

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115509.D
 Acq On : 11 Jul 2019 22:01
 Operator : HP/JU
 Sample : K3751-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Manual Integrations
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mohammad
 7/12/2019 10:37:38 PM

Quant Time: Jul 12 05:50:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	156902	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	627083	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	320983	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	654969	20.00	ng	0.00
76) Chrysene-d12	14.06	240	450363	20.00	ng	-0.01
87) Perylene-d12	15.53	264	468224	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1110303	109.33	ng	0.00
7) Phenol-d6	6.53	99	1483879	114.89	ng	0.00
23) Nitrobenzene-d5	7.46	82	941215	88.68	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	463185	130.51	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1657678	90.62	ng	0.00
79) Terphenyl-d14	13.00	244	1951871	88.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	147477	29.607	ng	99
3) Pyridine	3.49	79	178949	12.992	ng	99
4) n-Nitrosodimethylamine	3.41	42	161208	28.862	ng	100
6) Aniline	6.56	93	402697	22.095	ng	97
8) 2-Chlorophenol	6.68	128	417422	36.402	ng	99
9) Benzaldehyde	6.44	77	222653	27.951	ng	99
10) Phenol	6.54	94	533599	34.531	ng	99
11) bis(2-Chloroethyl)ether	6.63	93	390018	34.022	ng	97
12) 1,3-Dichlorobenzene	6.84	146	438160	34.877	ng	98
13) 1,4-Dichlorobenzene	6.91	146	448234	35.620	ng	99
14) 1,2-Dichlorobenzene	7.07	146	416456	35.745	ng	97
15) Benzyl Alcohol	7.03	79	372079	35.901	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	515520	32.161	ng	99
17) 2-Methylphenol	7.15	107	357840	36.426	ng	99
18) Hexachloroethane	7.41	117	161712	34.496	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	291047	33.309	ng	95
20) 3+4-Methylphenols	7.29	107	432022	37.230	ng	98
22) Acetophenone	7.30	105	570459	37.964	ng	# 93
24) Nitrobenzene	7.47	77	448436	37.412	ng	98
25) Isophorone	7.72	82	819042	35.603	ng	99
26) 2-Nitrophenol	7.79	139	232337	47.147	ng	98
27) 2,4-Dimethylphenol	7.83	122	371225	39.506	ng	100
28) bis(2-Chloroethoxy)methane	7.92	93	503055	35.462	ng	98
29) 2,4-Dichlorophenol	8.03	162	368654	39.389	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	393297	37.747	ng	99
31) Naphthalene	8.20	128	1196838	38.425	ng	100
32) Benzoic acid	7.92	122	117237	21.012	ng	98
33) 4-Chloroaniline	8.24	127	196775	14.159	ng	99
34) Hexachlorobutadiene	8.32	225	221783	37.534	ng	98
35) Caprolactam	8.60	113	134671m	44.180	ng	
36) 4-Chloro-3-methylphenol	8.72	107	393164	39.715	ng	97
37) 2-Methylnaphthalene	8.89	142	809877	38.901	ng	99
38) 1-Methylnaphthalene	8.99	142	764571	38.490	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	367579	39.806	ng	99

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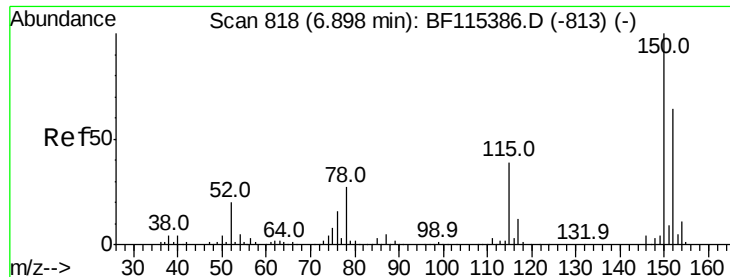
Manual Integrations
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	395668	73.928	nq	98
43) 2,4,6-Trichlorophenol	9.17	196	273694	40.712	nq	99
44) 2,4,5-Trichlorophenol	9.20	196	288697	41.414	nq	94
46) 1,1'-Biphenyl	9.36	154	1007581	39.929	nq	98
47) 2-Chloronaphthalene	9.38	162	793379	38.042	nq	98
48) 2-Nitroaniline	9.47	65	247056	40.320	nq	93
49) Acenaphthylene	9.80	152	1231895	39.014	nq	98
50) Dimethylphthalate	9.66	163	1226049	50.890	nq	99
51) 2,6-Dinitrotoluene	9.71	165	219940	42.094	nq	94
52) Acenaphthene	9.97	154	820969	41.312	nq	99
53) 3-Nitroaniline	9.88	138	169184	27.879	nq	96
54) 2,4-Dinitrophenol	9.99	184	161603	72.695	nq	91
55) Dibenzofuran	10.14	168	1110920	39.685	nq	99
56) 4-Nitrophenol	10.04	139	409928	87.308	nq	98
57) 2,4-Dinitrotoluene	10.12	165	295792	44.545	nq	94
58) Fluorene	10.49	166	826678	37.461	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	252381	41.910	nq	99
60) Diethylphthalate	10.36	149	914965	38.584	nq	100
61) 4-Chlorophenyl-phenylether	10.47	204	422279	39.207	nq	97
62) 4-Nitroaniline	10.50	138	245333	41.185	nq	98
63) Azobenzene	10.63	77	894693	36.601	nq	97
65) 4,6-Dinitro-2-methylphenol	10.53	198	150420	47.971	nq	85
66) n-Nitrosodiphenylamine	10.59	169	787747	38.172	nq	100
67) 4-Bromophenyl-phenylether	10.96	248	278923	37.953	nq	94
68) Hexachlorobenzene	11.03	284	309631	37.546	nq	95
69) Atrazine	11.12	200	266771	41.770	nq	99
70) Pentachlorophenol	11.23	266	360590	71.747	nq	99
71) Phenanthrene	11.45	178	1311927	38.086	nq	99
72) Anthracene	11.50	178	1350889	39.109	nq	99
73) Carbazole	11.64	167	1219406	38.588	nq	99
74) Di-n-butylphthalate	11.98	149	1422544	37.248	nq	99
75) Fluoranthene	12.63	202	1393356	38.417	nq	98
77) Benzidine	12.74	184	190882	10.869	nq	97
78) Pyrene	12.86	202	1414864	40.399	nq	99
80) Butylbenzylphthalate	13.47	149	626031	40.912	nq	98
81) Benzo(a)anthracene	14.05	228	1121945	38.880	nq	98
82) 3,3'-Dichlorobenzidine	14.00	252	321251	30.681	nq	97
83) Chrysene	14.09	228	1156542	39.008	nq	99
84) Bis(2-ethylhexyl)phthalate	14.04	149	788750	41.622	nq	100
85) Di-n-octyl phthalate	14.65	149	1335229	39.580	nq	99
86) Indeno(1,2,3-cd)pyrene	17.03	276	1274673	53.621	nq	99
88) Benzo(b)fluoranthene	15.10	252	1050906	34.472	nq	100
89) Benzo(k)fluoranthene	15.13	252	1057534	39.006	nq	99
90) Benzo(a)pyrene	15.47	252	1036627	39.424	nq	99
91) Dibenzo(a,h)anthracene	17.04	278	1055966	46.997	nq	99
92) Benzo(g,h,i)perylene	17.48	276	1083393	50.942	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

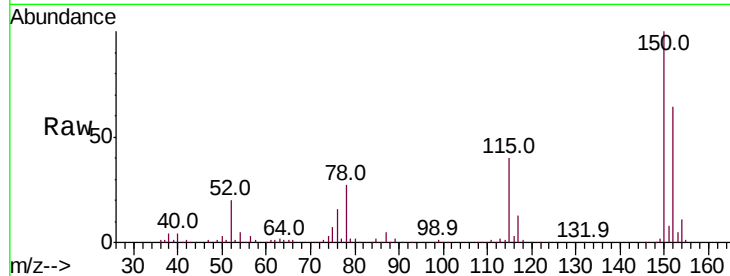
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

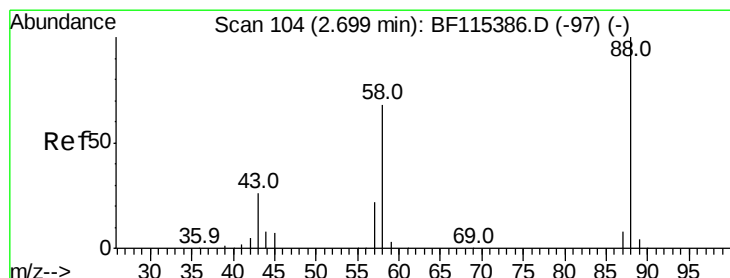
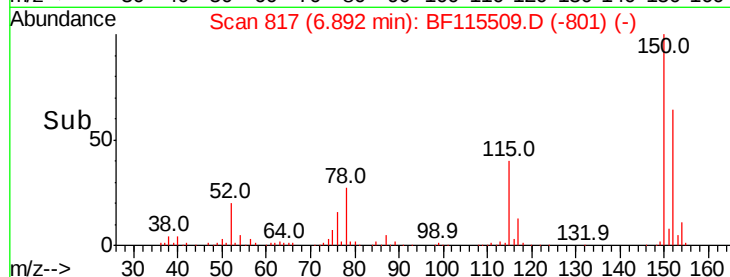
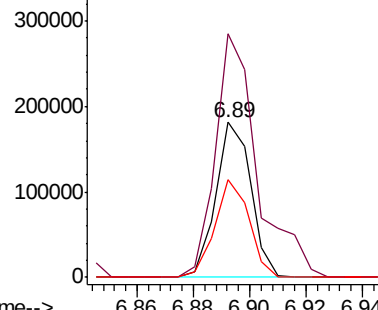
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.4	191.2
115	62.6	46.2	69.4

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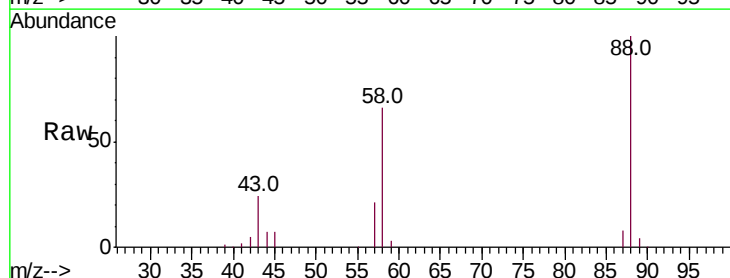
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



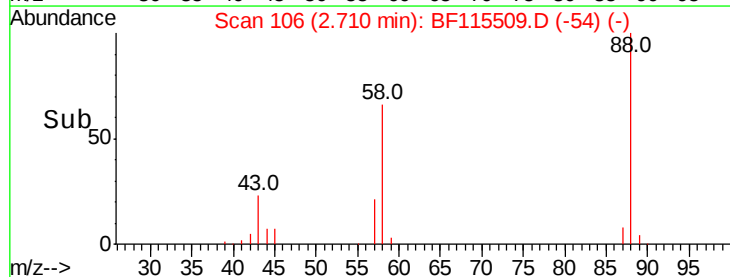
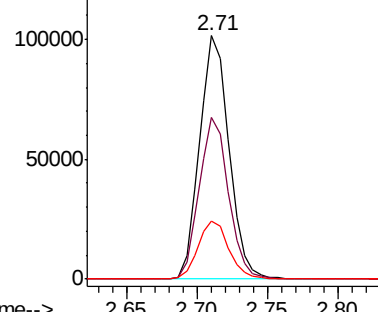
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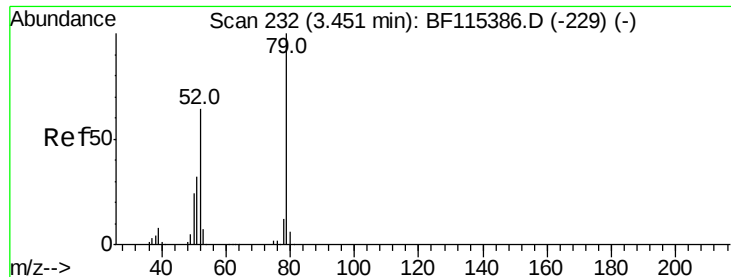
1,4-Dioxane
Concen: 29.607 ng
RT: 2.71 min Scan# 106
Delta R.T. 0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.1	52.5	78.7
43	25.2	19.0	28.6



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





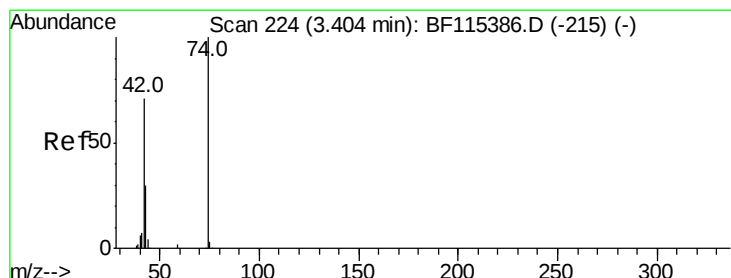
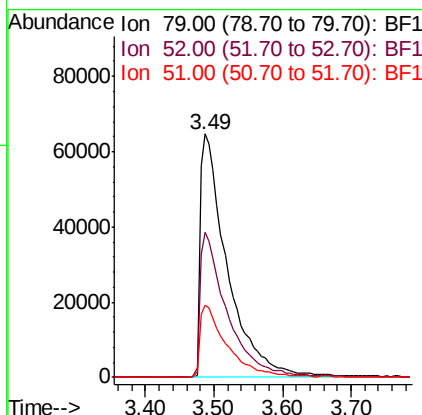
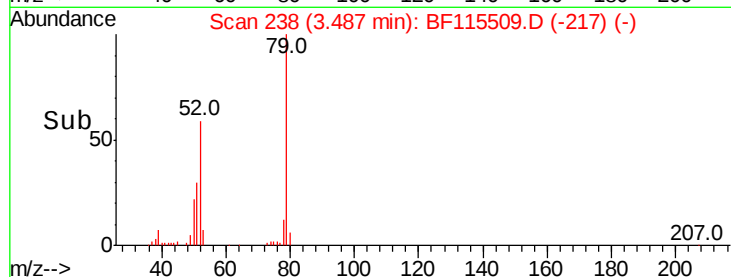
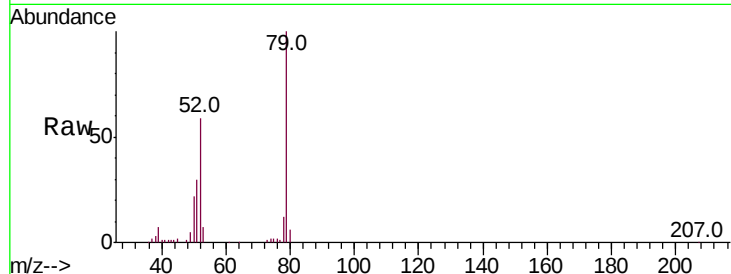
#3
Pvridine
Concen: 12.992 ng
RT: 3.49 min Scan# 238
Delta R.T. 0.02 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion: 79 Resp: 178949
Ion Ratio Lower Upper
79 100
52 59.4 48.2 72.2
51 29.5 23.2 34.8

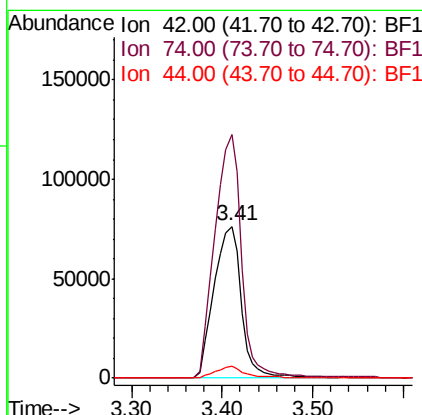
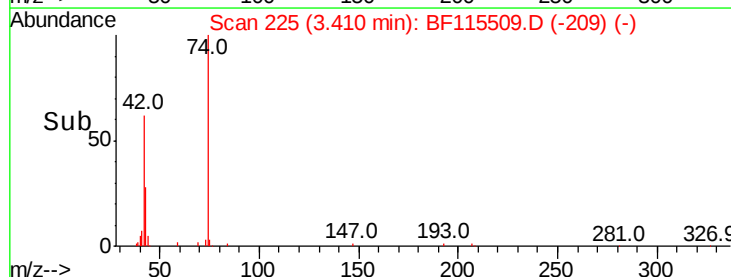
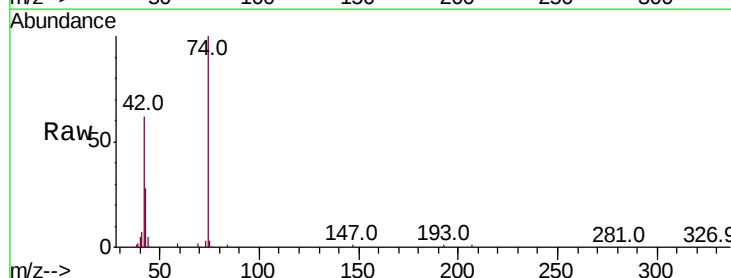
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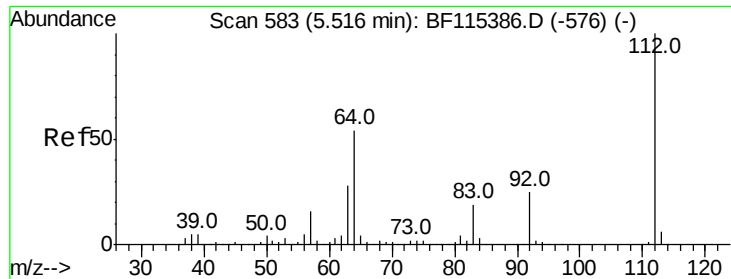
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#4
n-Nitrosodimethylamine
Concen: 28.862 ng
RT: 3.41 min Scan# 225
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion: 42 Resp: 161208
Ion Ratio Lower Upper
42 100
74 160.5 128.5 192.7
44 7.5 5.3 7.9





#5

2-Fluorophenol

Concen: 109.333 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion: 112 Resp: 1110303

Ion Ratio Lower Upper

112 100

64 54.7 44.2 66.2

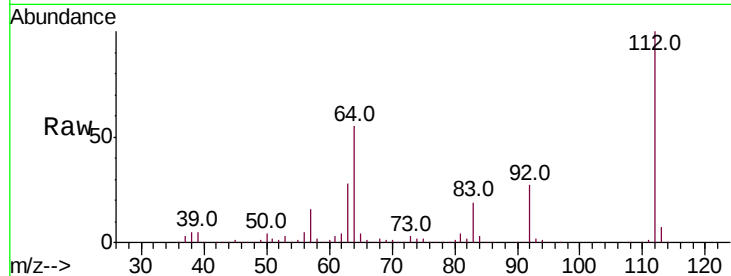
63 27.9 22.1 33.1

Manual Integrations

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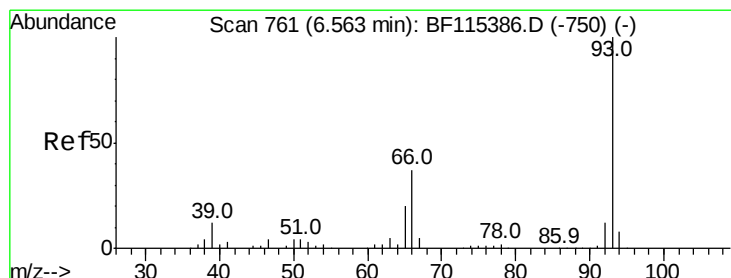
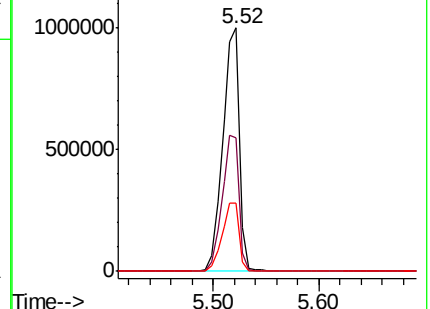
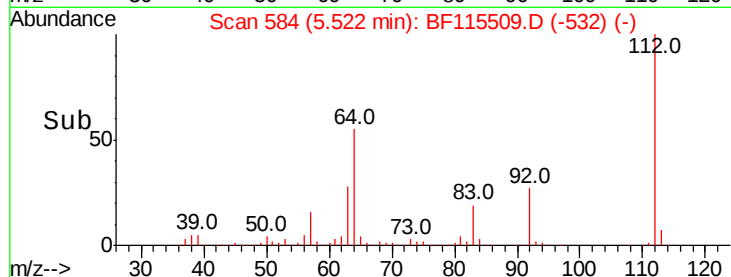
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.095 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

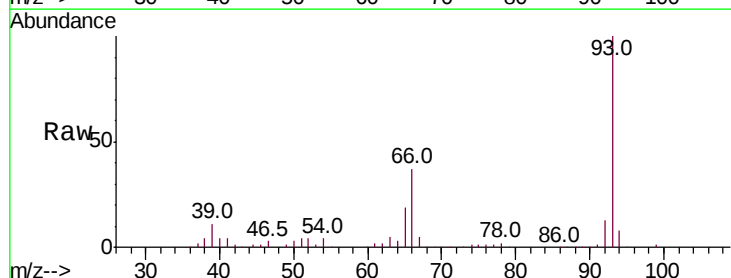
Tgt Ion: 93 Resp: 402697

Ion Ratio Lower Upper

93 100

66 37.1 31.3 46.9

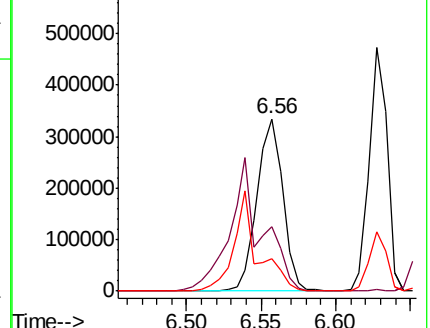
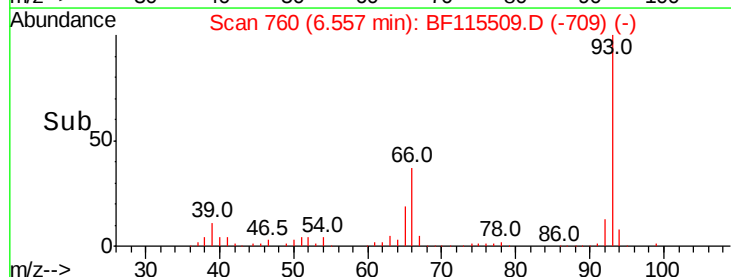
65 18.9 15.9 23.9

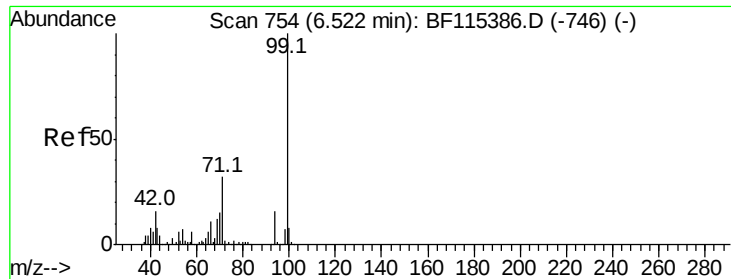


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.892 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion: 99 Resp: 1483879

Ion Ratio Lower Upper

99 100

42 15.8 12.8 19.2

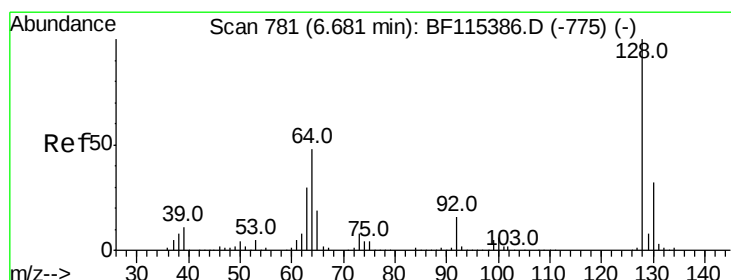
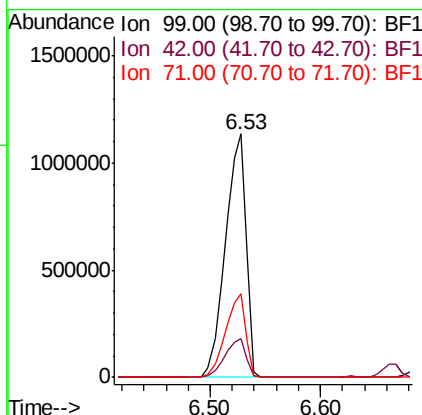
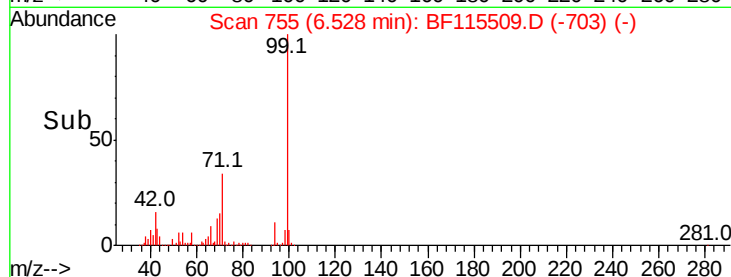
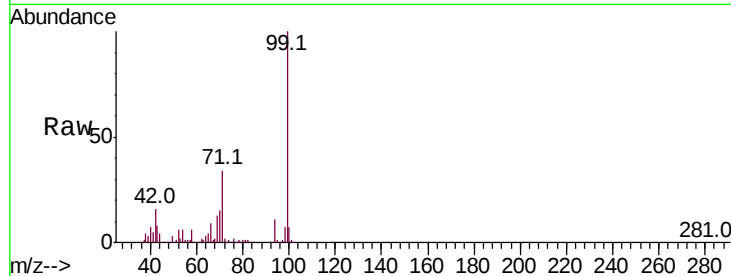
71 34.1 26.5 39.7

Manual Integrations

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#8

2-Chlorophenol

Concen: 36.402 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

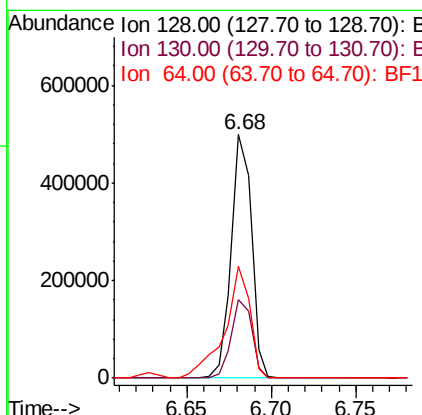
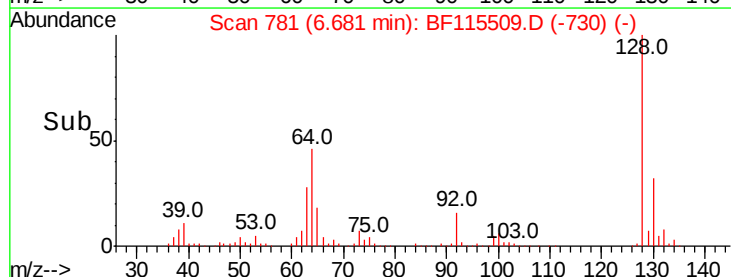
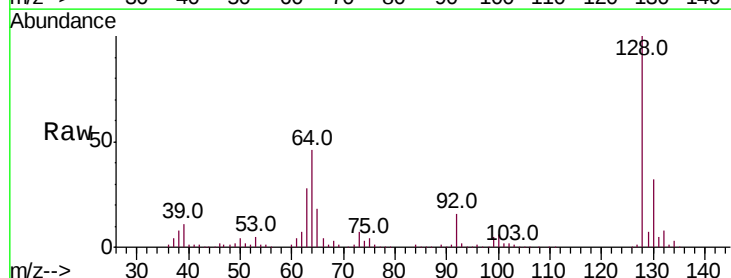
Tgt Ion: 128 Resp: 417422

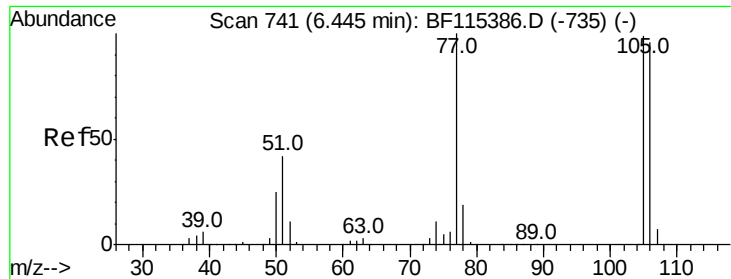
Ion Ratio Lower Upper

128 100

130 32.5 11.8 51.8

64 45.9 27.0 67.0





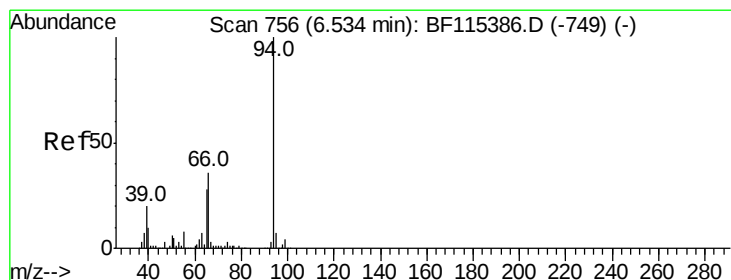
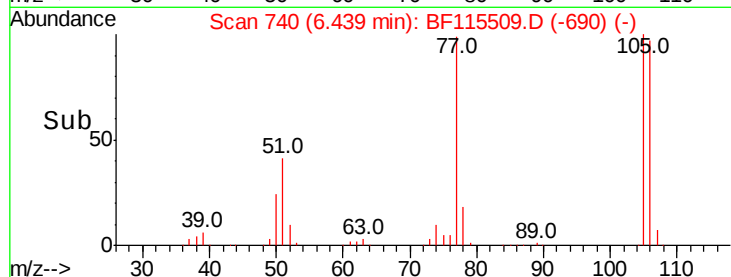
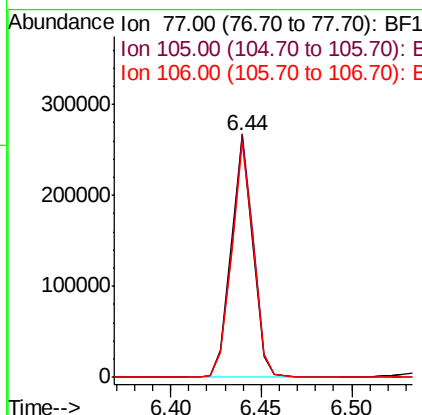
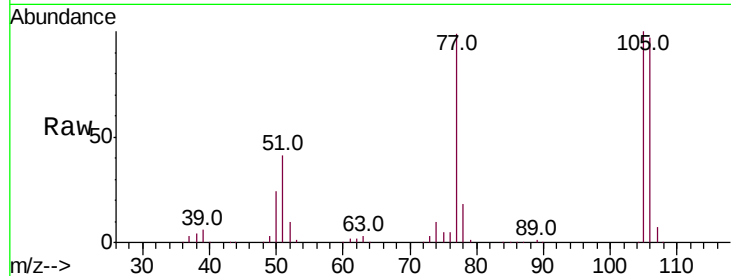
#9
Benzaldehyde
Concen: 27.951 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion: 77 Resp: 222653
Ion Ratio Lower Upper
77 100
105 100.7 82.9 122.9
106 97.2 77.8 117.8

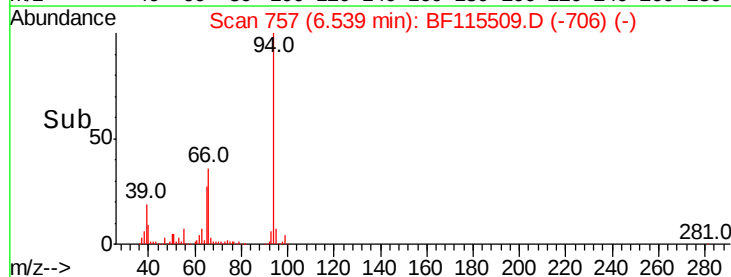
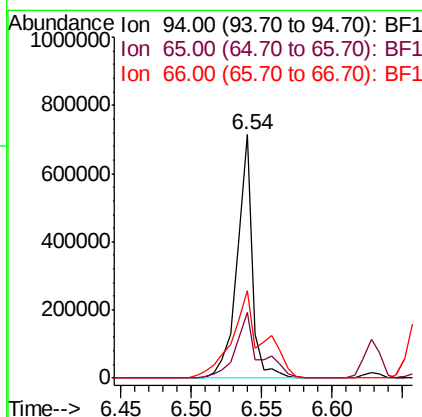
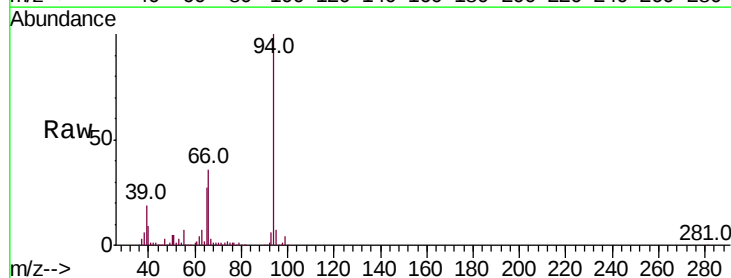
Manual Integrations
APPROVED

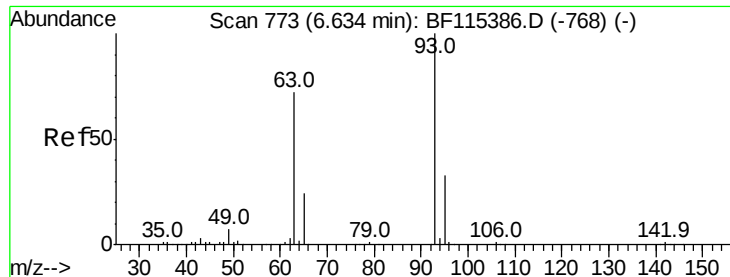
mohammad
7/12/2019 10:37:38 PM



#10
Phenol
Concen: 34.531 ng
RT: 6.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion: 94 Resp: 533599
Ion Ratio Lower Upper
94 100
65 27.1 7.2 47.2
66 36.1 16.9 56.9





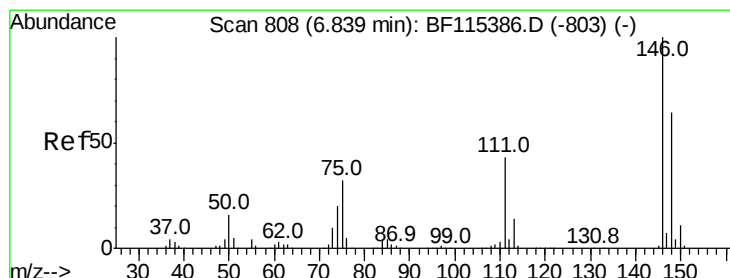
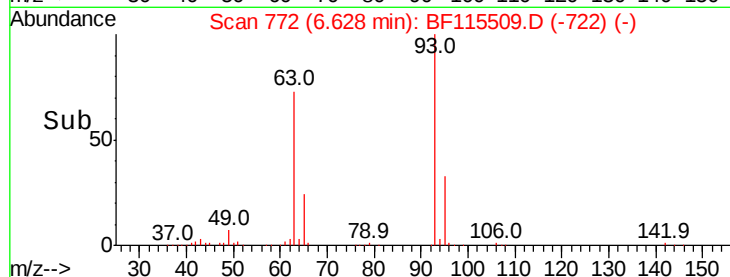
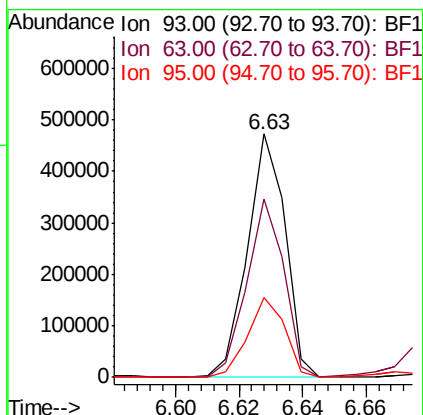
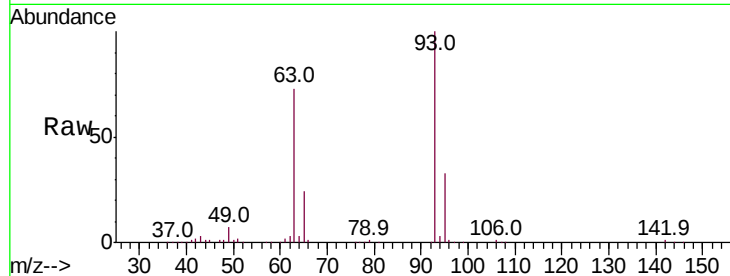
#11
bis(2-Chloroethyl)ether
Concen: 34.022 ng
RT: 6.63 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	390018		
63	73.0		50.0	90.0
95	33.0		12.6	52.6

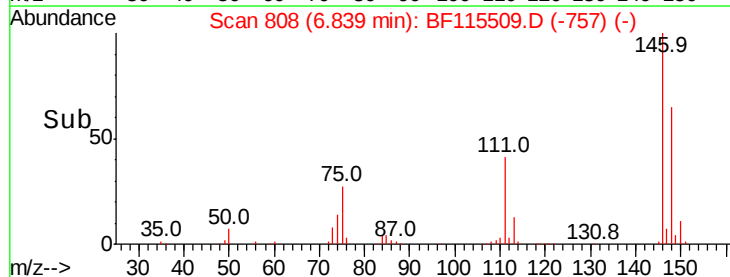
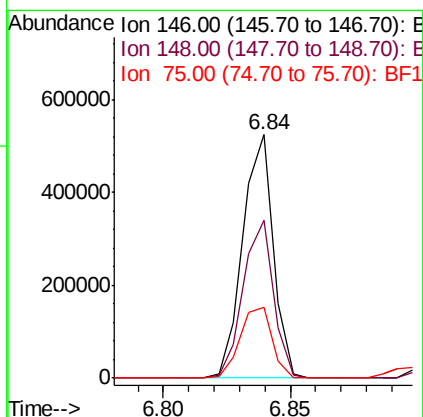
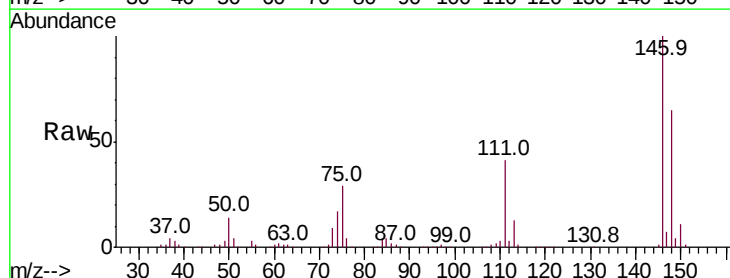
Manual Integrations
APPROVED

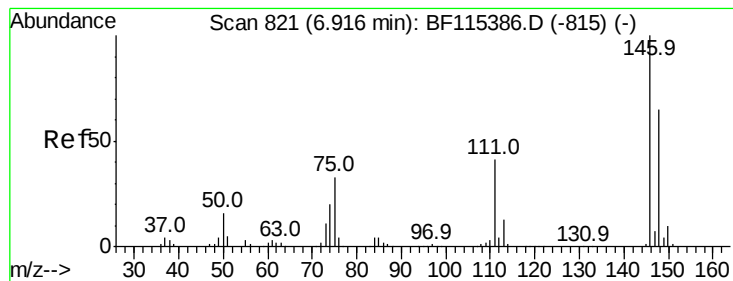
mohammad
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#12
1,3-Dichlorobenzene
Concen: 34.877 ng
RT: 6.84 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	438160		
148	64.9		52.3	78.5
75	28.9		24.8	37.2





#13

1,4-Dichlorobenzene

Concen: 35.620 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

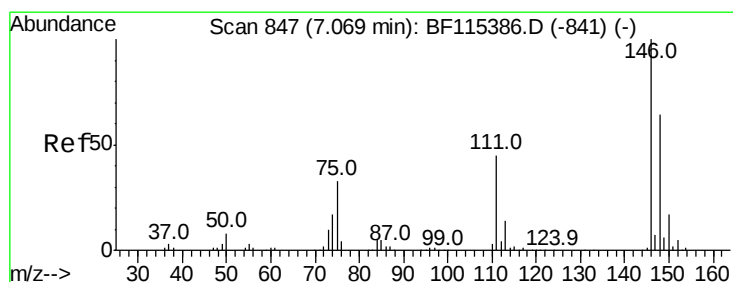
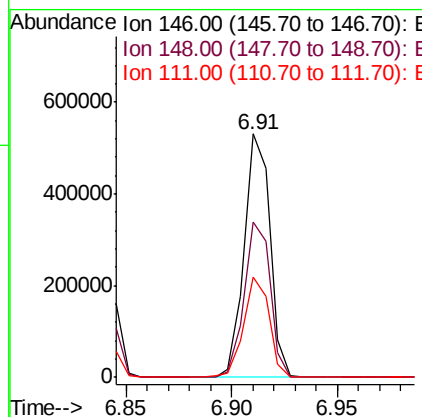
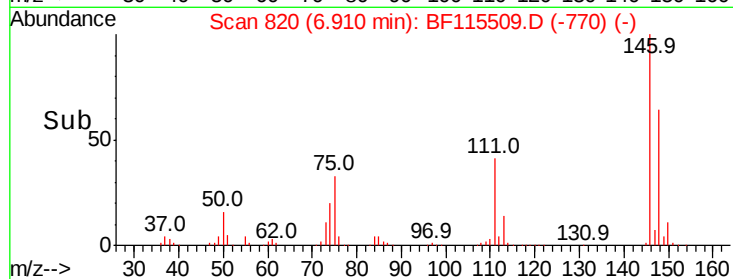
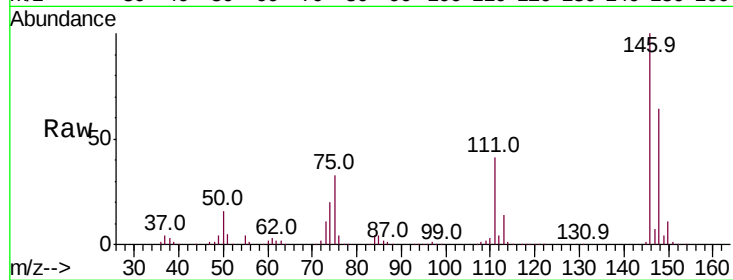
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
111	41.4	32.1	48.1

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 35.745 ng

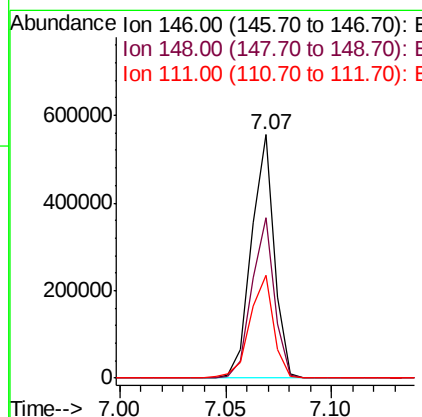
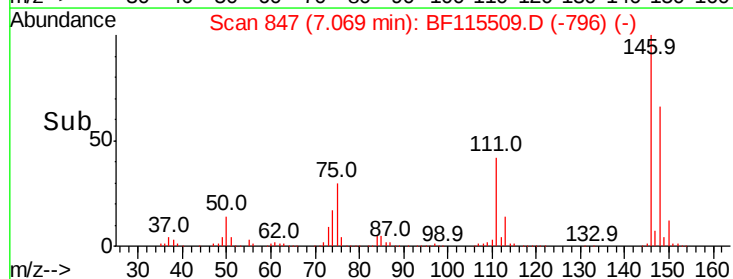
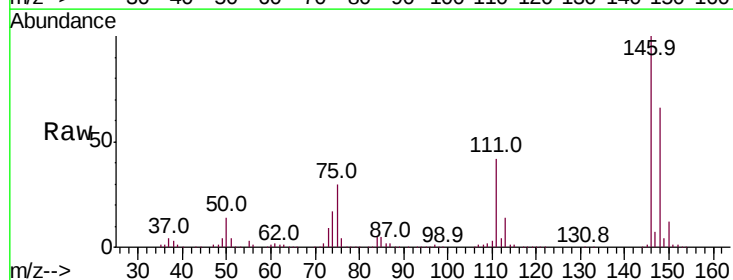
RT: 7.07 min Scan# 847

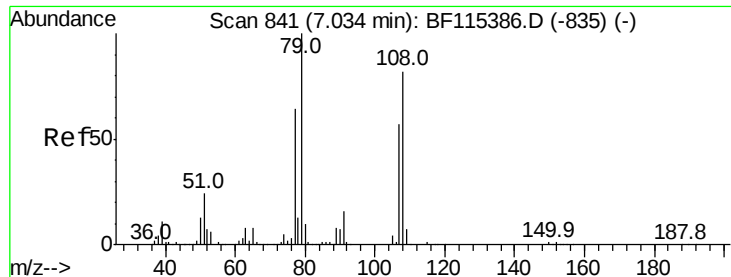
Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.6	75.8
111	42.1	35.4	53.2





#15

Benzyl Alcohol

Concen: 35.901 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

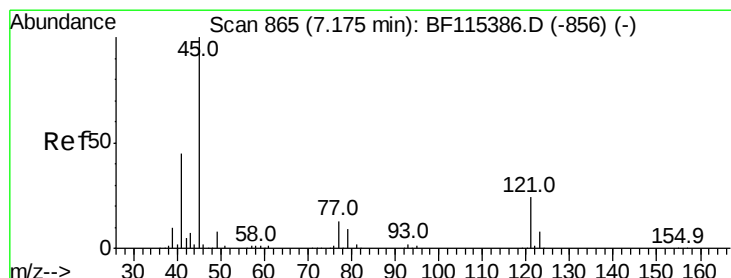
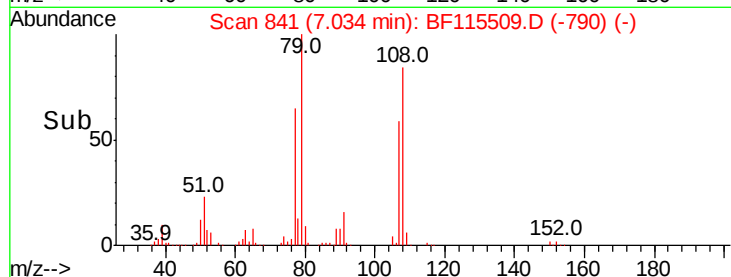
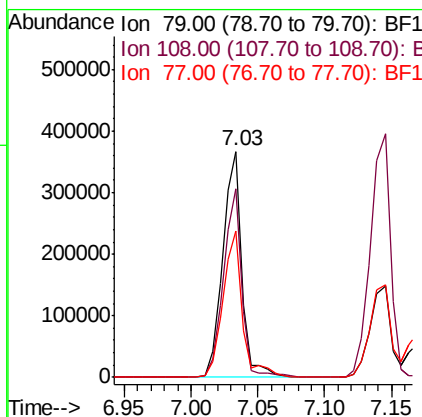
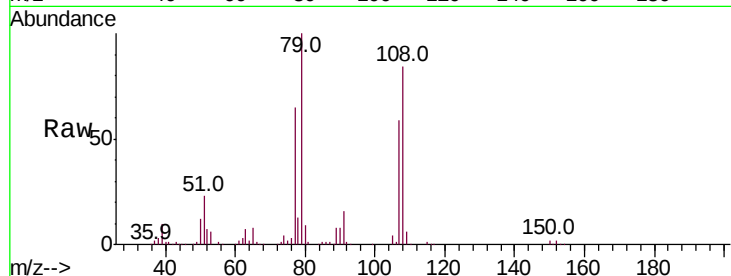
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion	79	108	77
Resp:	372079	372079	372079
Ion	Ratio	Lower	Upper
79	100		
108	83.6	65.3	97.9
77	64.5	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 32.161 ng

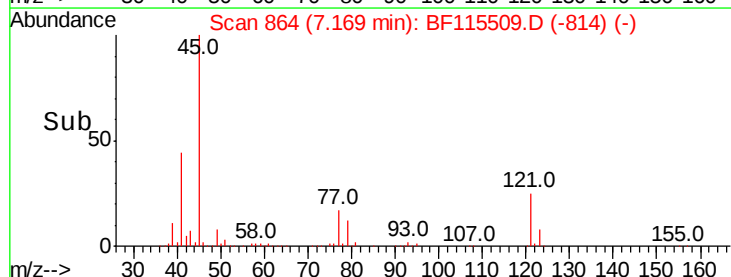
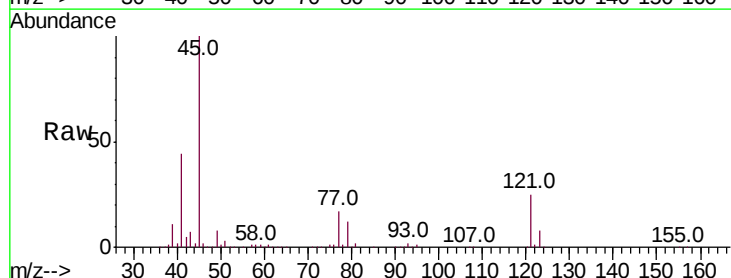
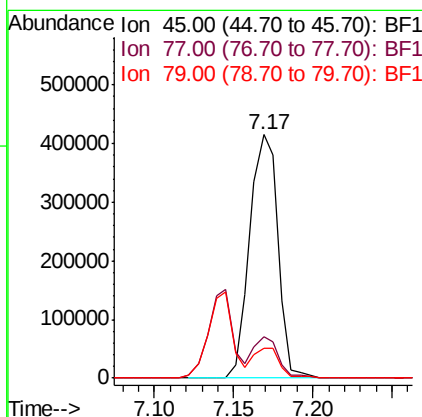
RT: 7.17 min Scan# 864

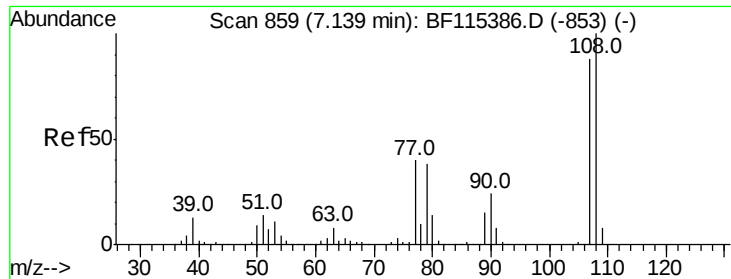
Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion	45	77	79
Resp:	515520	515520	515520
Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.4
79	12.5	0.0	33.4





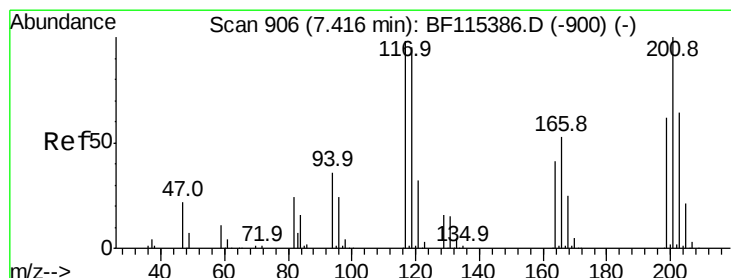
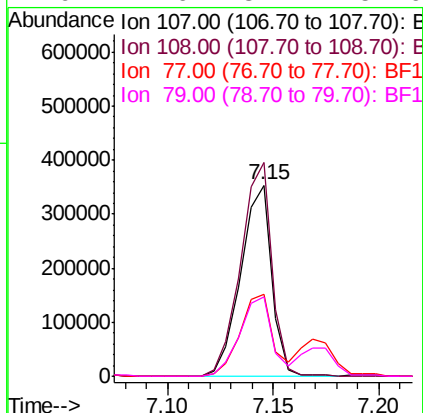
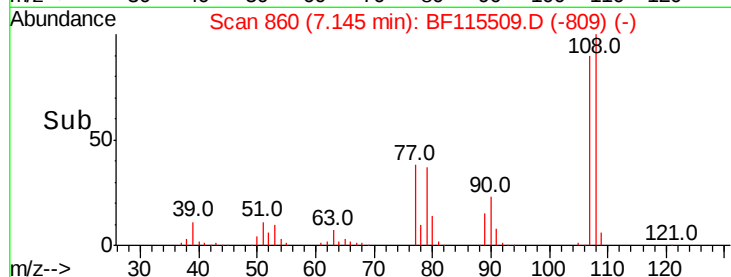
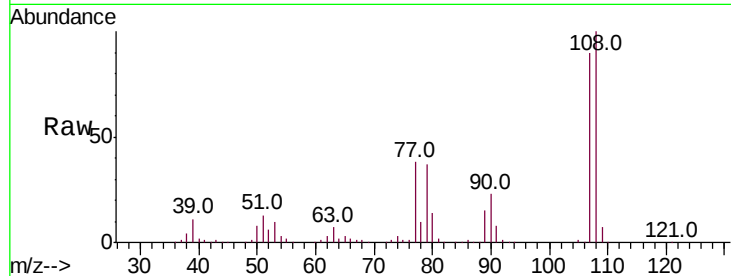
#17
2-Methylphenol
Concen: 36.426 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:	107	Resp:	357840
Ion Ratio	Lower	Upper	
107	100		
108	111.6	90.0	135.0
77	42.7	35.0	52.4
79	41.6	34.4	51.6

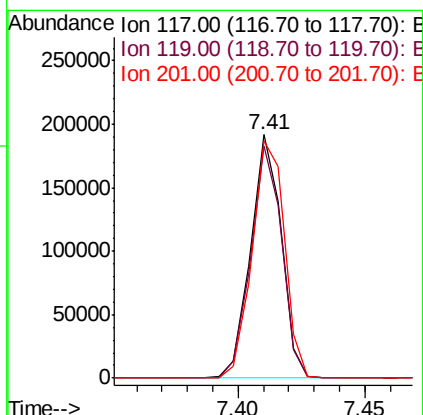
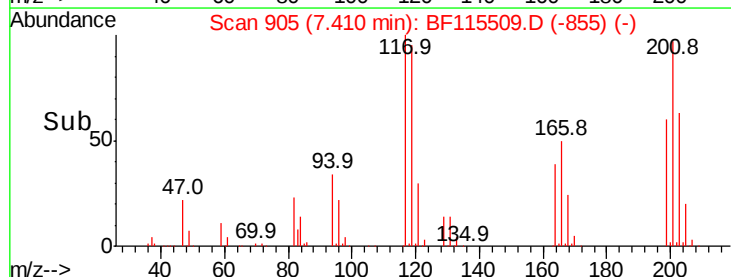
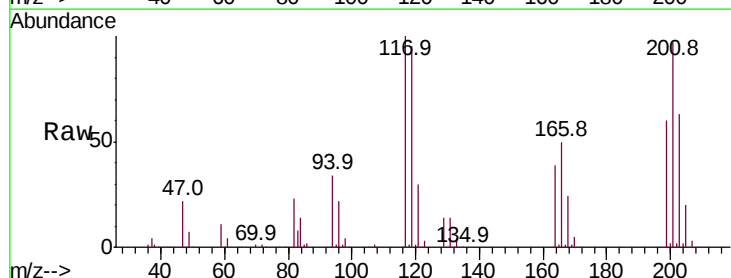
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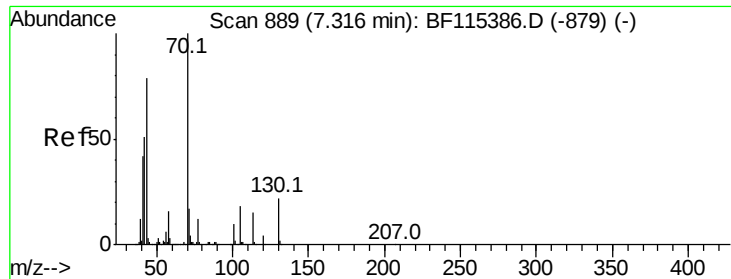
mohammad
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#18
Hexachloroethane
Concen: 34.496 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:	117	Resp:	161712
Ion Ratio	Lower	Upper	
117	100		
119	95.2	76.8	115.2
201	97.2	85.8	128.6





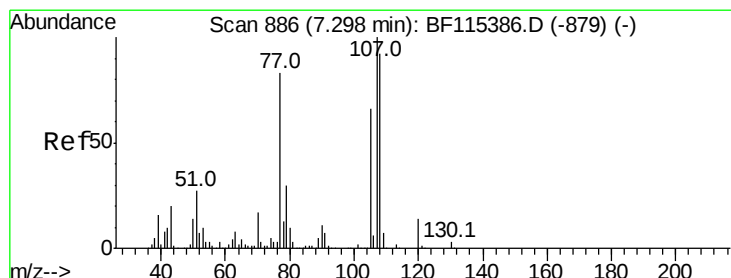
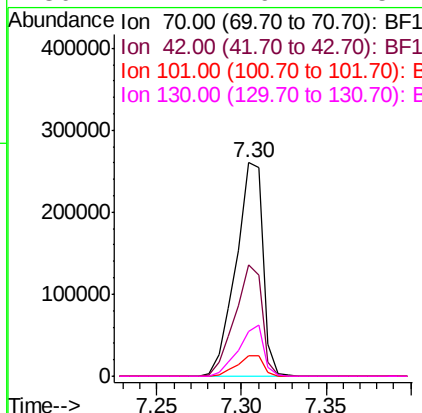
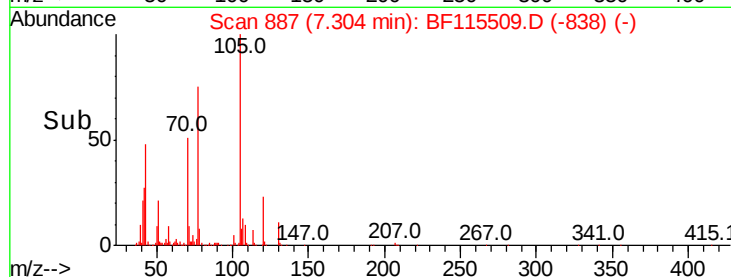
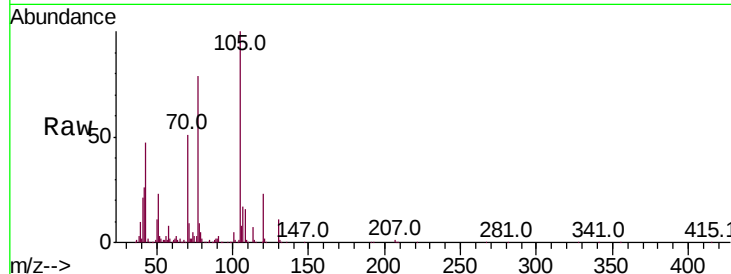
#19
n-Nitroso-di-n-propylamine
Concen: 33.309 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	52.3	38.5	57.7		
101	9.7	8.0	12.0		
130	21.2	19.1	28.7		

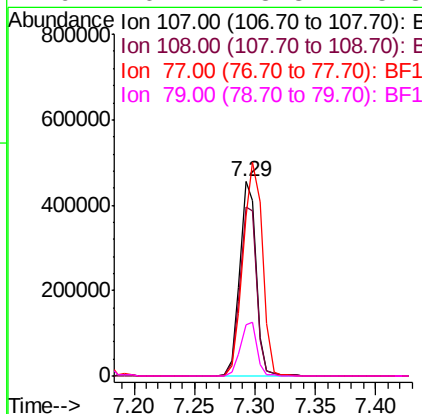
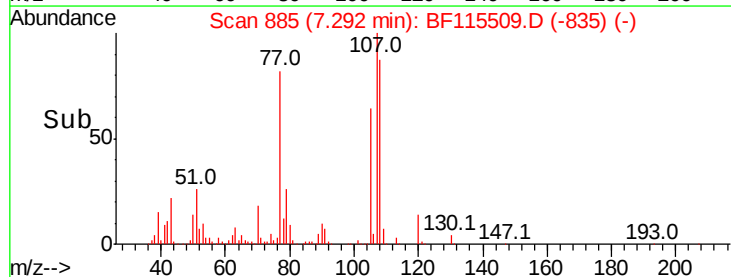
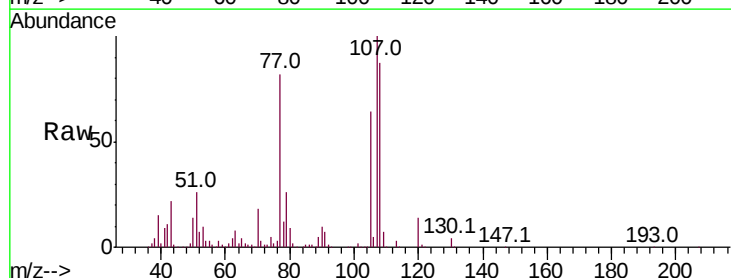
Manual Integrations
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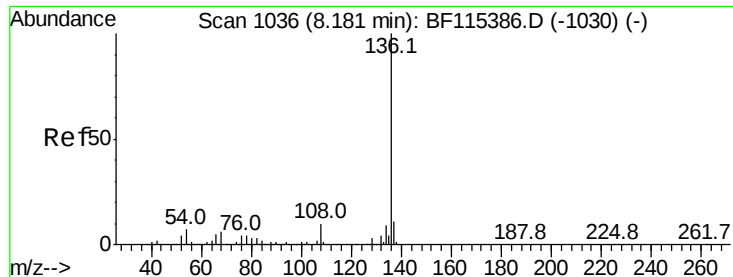
mohammad
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#20
3+4-Methylphenols
Concen: 37.230 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.3	70.5	110.5		
77	82.4	63.0	103.0		
79	26.4	8.3	48.3		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

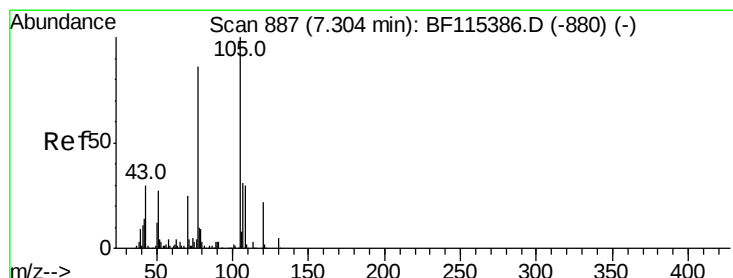
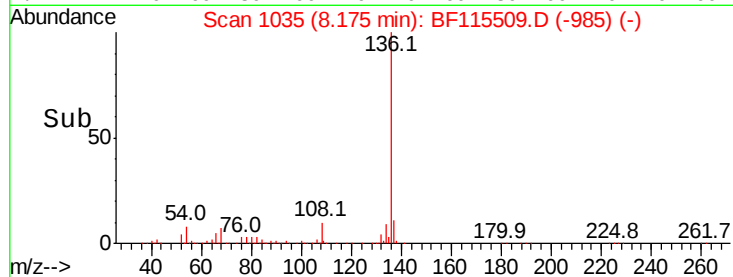
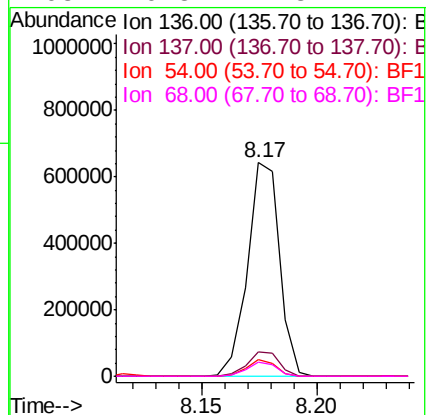
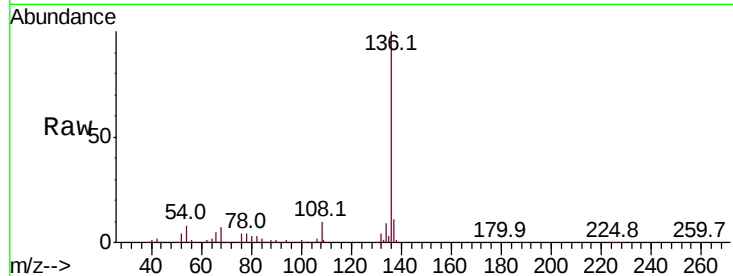
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	627083		
137	11.1		8.8	13.2
54	7.6		5.4	8.0
68	6.8		4.8	7.2

Manual Integrations
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#22

Acetophenone

Concen: 37.964 ng

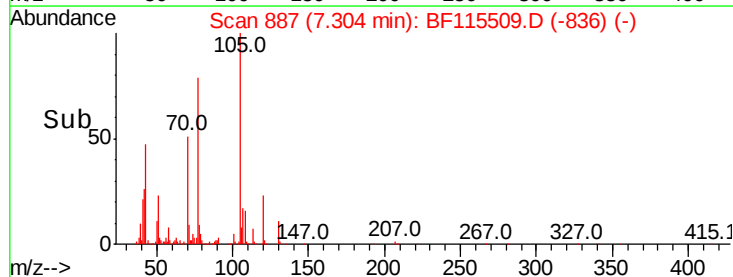
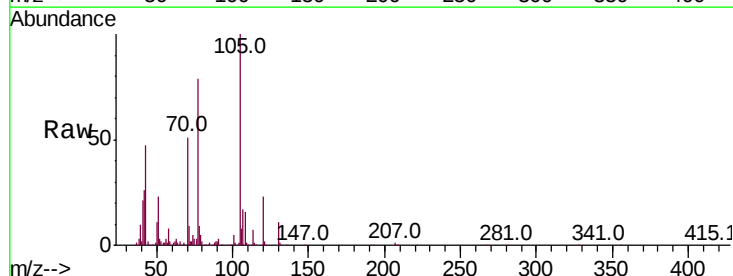
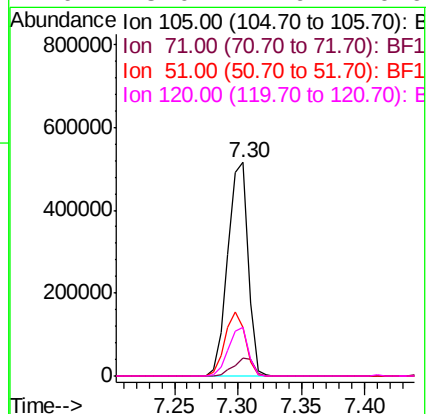
RT: 7.30 min Scan# 887

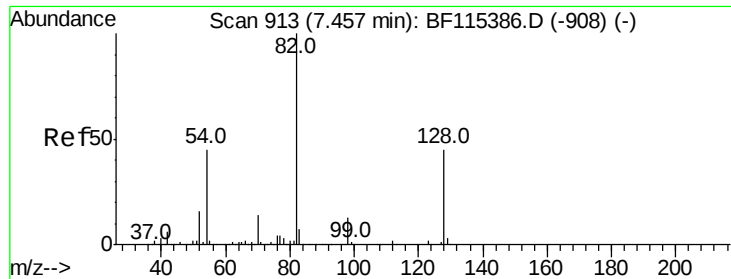
Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	570459		
71	8.5		3.5	5.3#
51	23.0		22.6	33.8
120	23.0		17.9	26.9





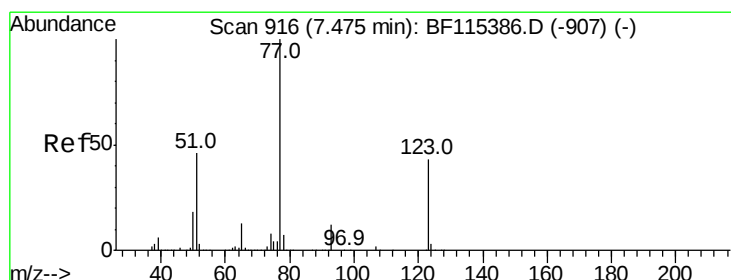
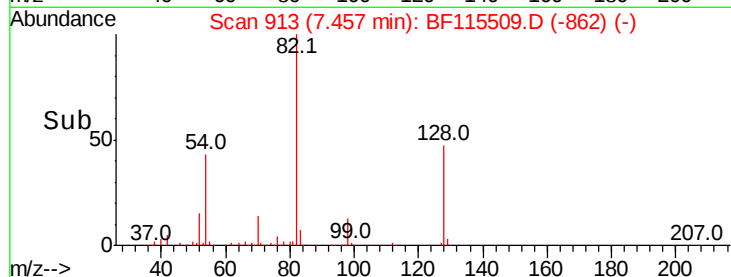
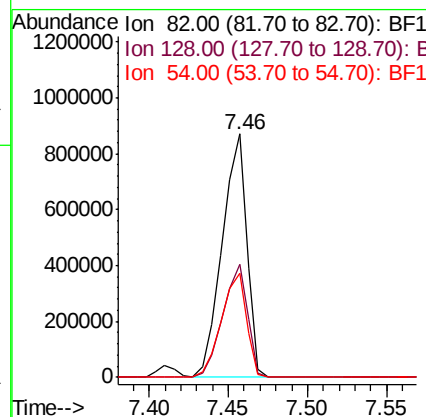
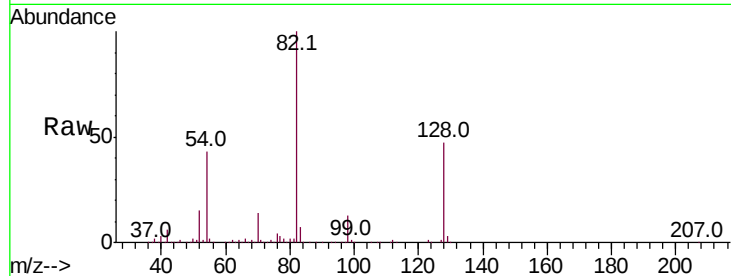
#23
Nitrobenzene-d5
Concen: 88.680 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.7	55.1
54	43.0	35.6	53.4

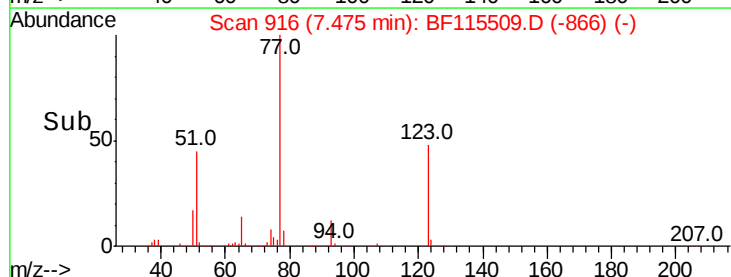
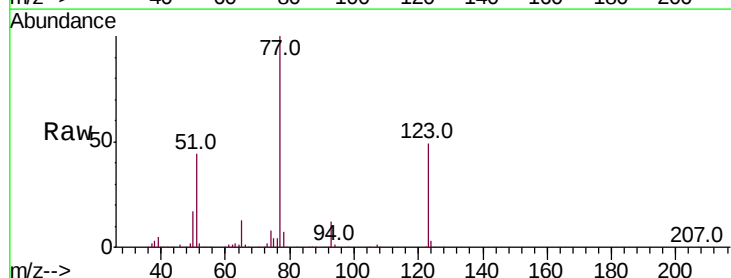
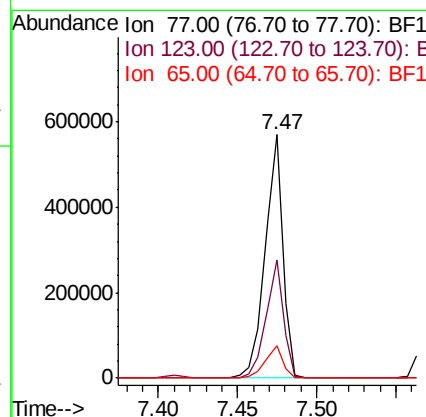
Manual Integrations
APPROVED

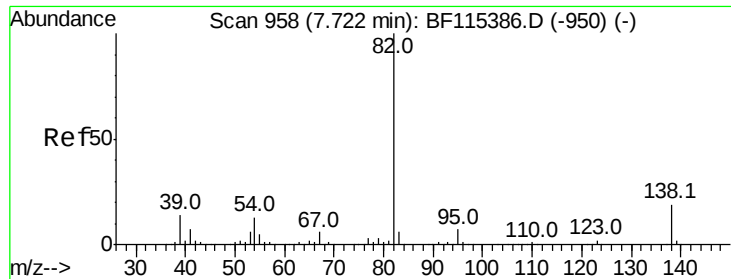
mohammad
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#24
Nitrobenzene
Concen: 37.412 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.7	40.4	60.6
65	13.2	10.4	15.6





#25

Isophorone

Concen: 35.603 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

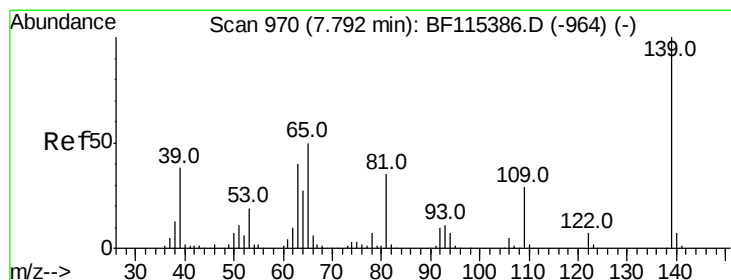
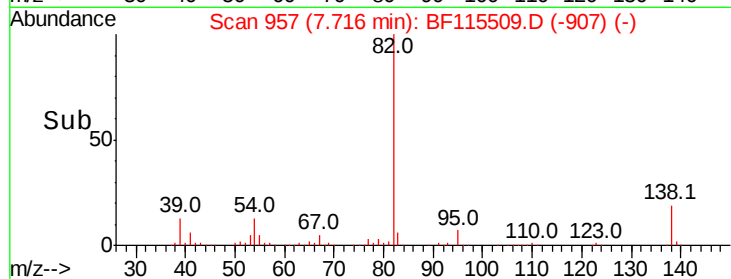
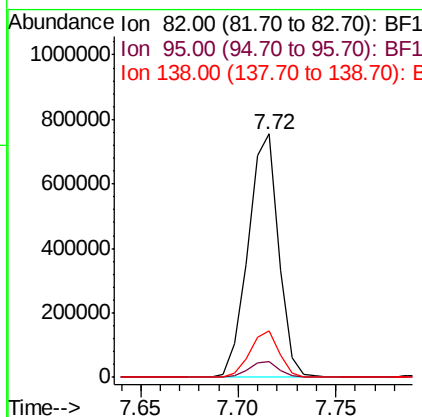
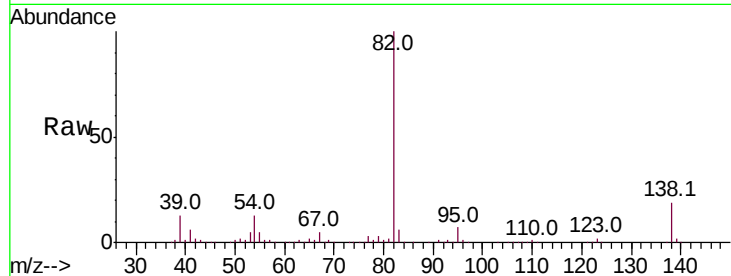
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:	82	Resp:	819042
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.4	8.2
138	19.2	15.1	22.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 47.147 ng

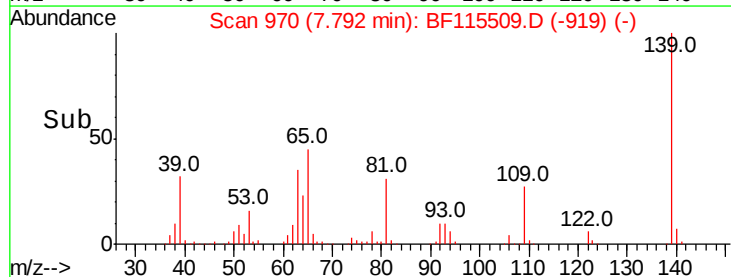
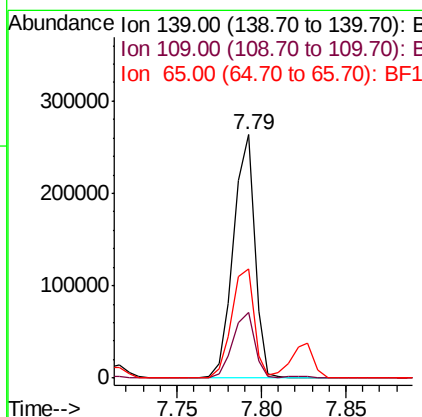
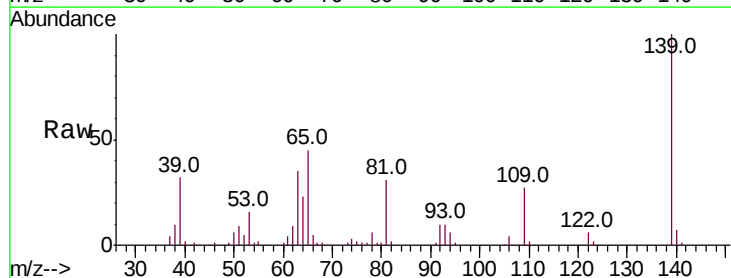
RT: 7.79 min Scan# 970

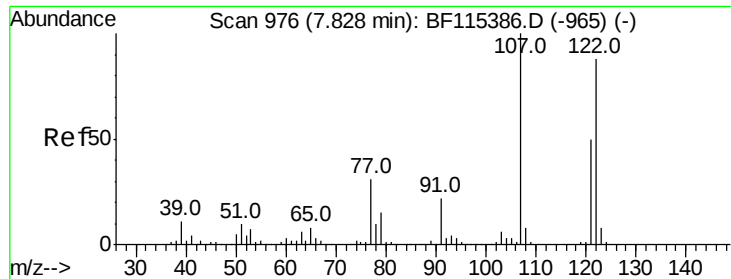
Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:	139	Resp:	232337
Ion Ratio	Lower	Upper	
139	100		
109	27.1	22.2	33.4
65	44.8	37.5	56.3





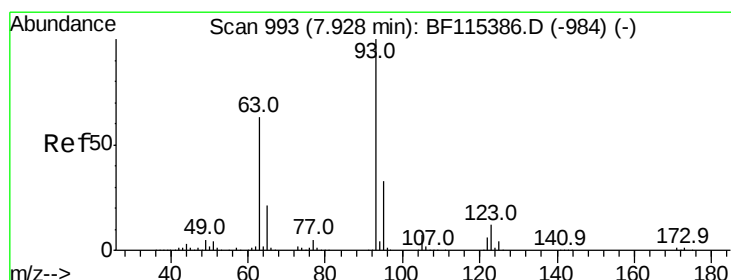
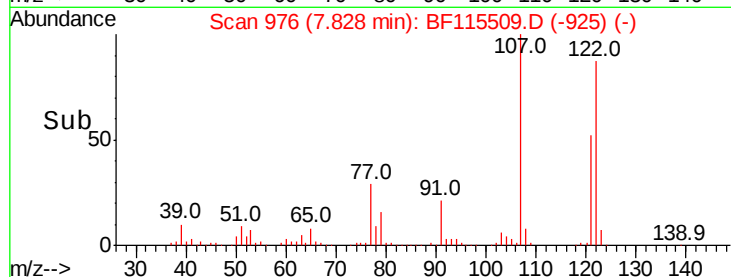
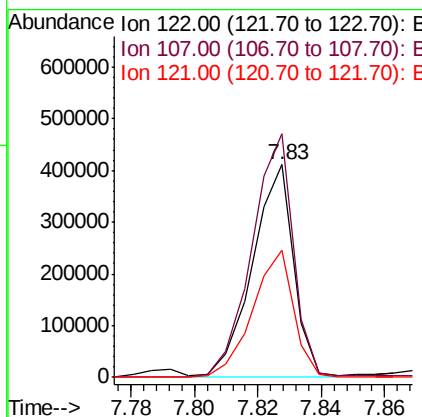
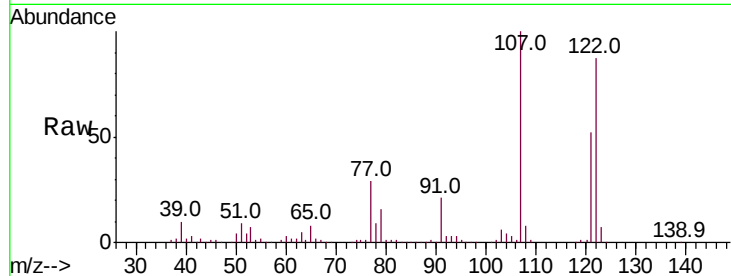
#27
2,4-Dimethylphenol
Concen: 39.506 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.6	91.7	137.5
121	59.9	47.7	71.5

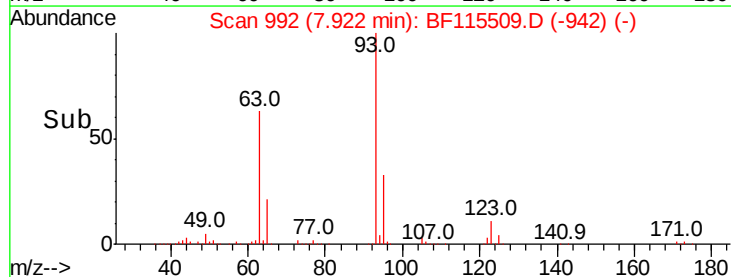
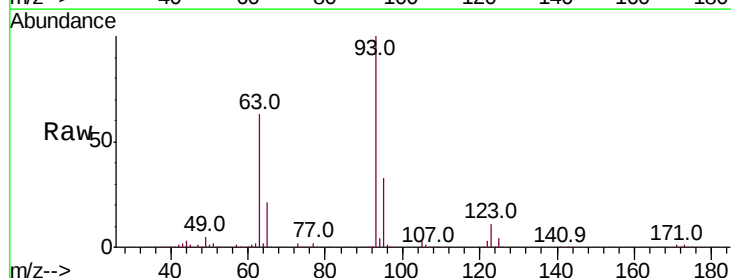
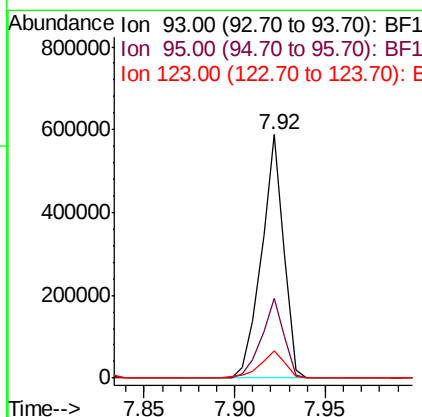
Manual Integrations
APPROVED

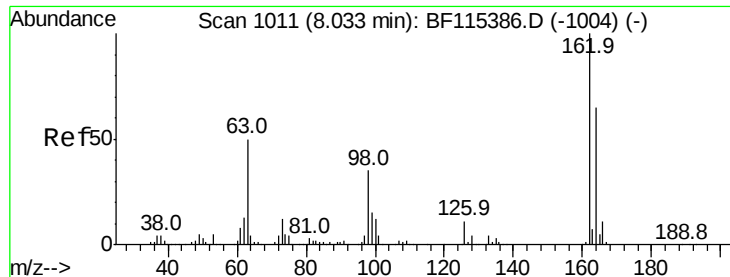
mohammad
7/12/2019 10:37:38 PM



#28
bis(2-Chloroethoxy)methane
Concen: 35.462 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	39.8
123	11.4	10.4	15.6





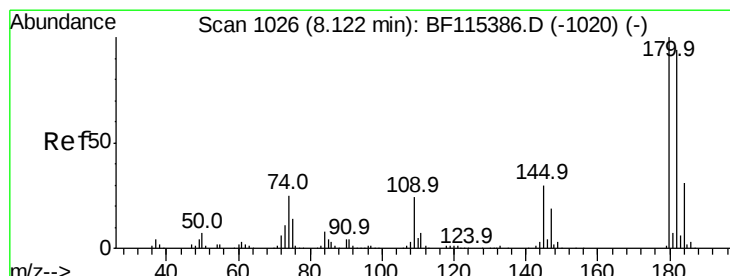
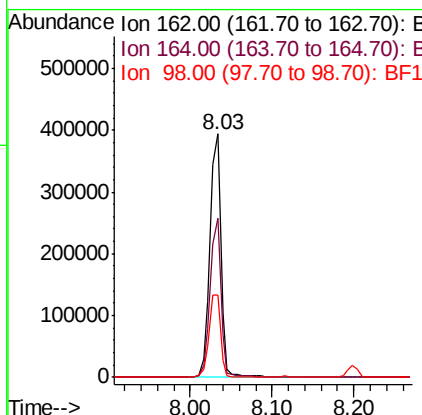
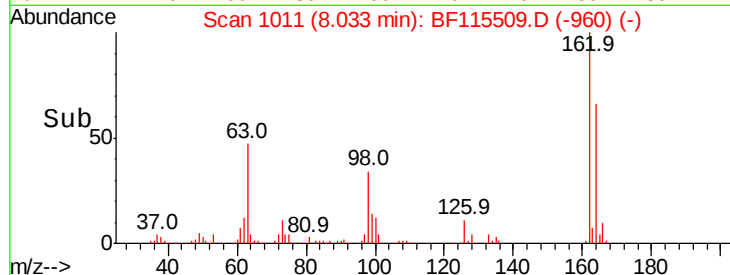
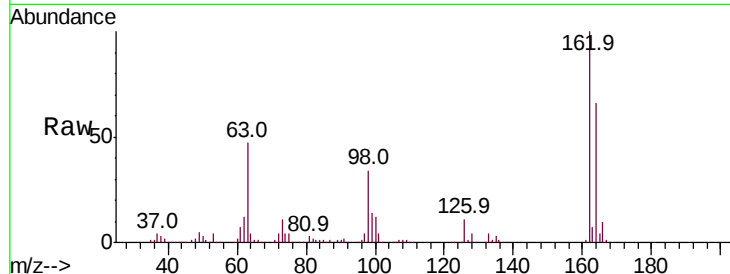
#29
 2,4-Dichlorophenol
 Concen: 39.389 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Tot Ion:	162	Resp:	368654
Ion Ratio	Lower	Upper	
162	100		
164	65.6	45.2	85.2
98	34.0	17.0	57.0

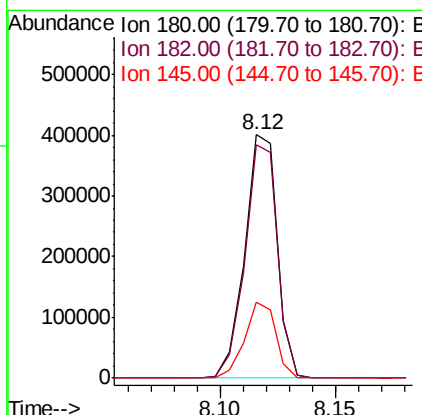
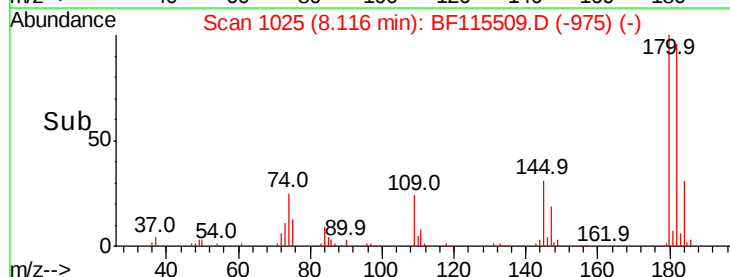
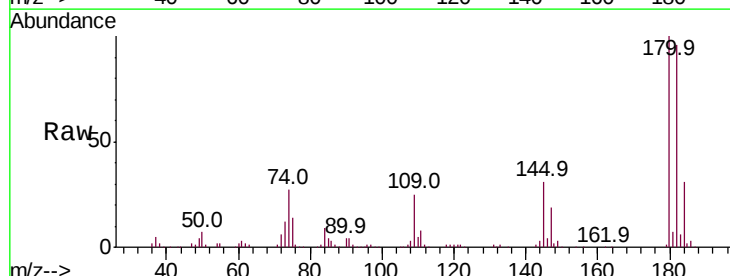
Manual Integrations
 APPROVED

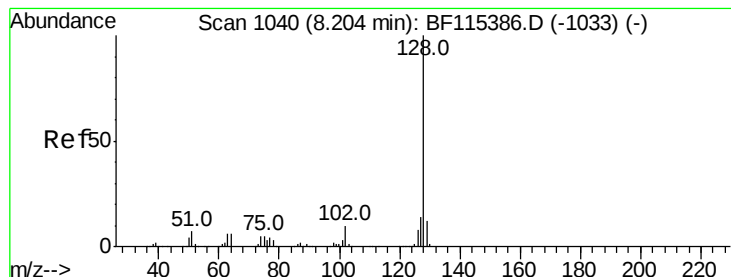
mohammad
 7/12/2019 10:37:38 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 37.747 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion:	180	Resp:	393297
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.1	115.7
145	31.1	23.9	35.9





#31

Naphthalene

Concen: 38.425 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:128 Resp: 1196838

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

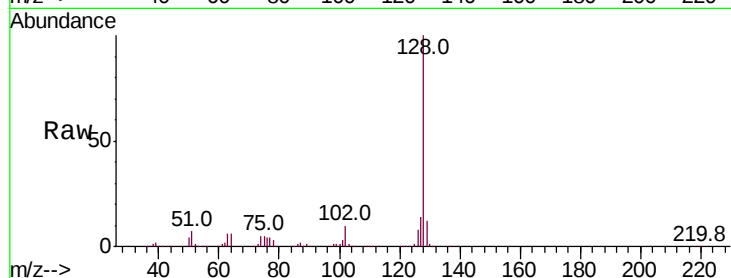
127 14.0 11.1 16.7

Manual Integrations

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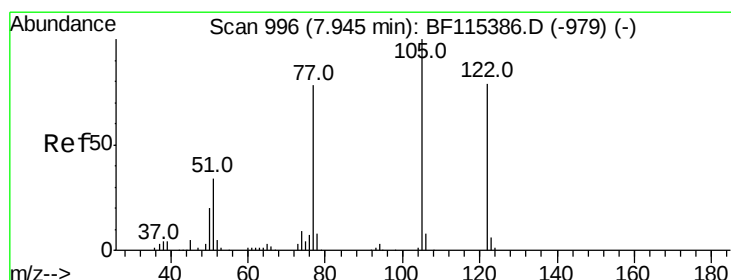
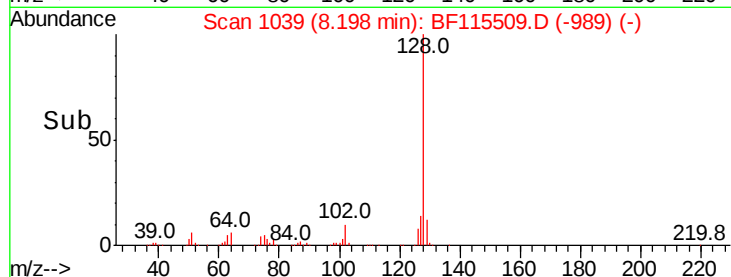
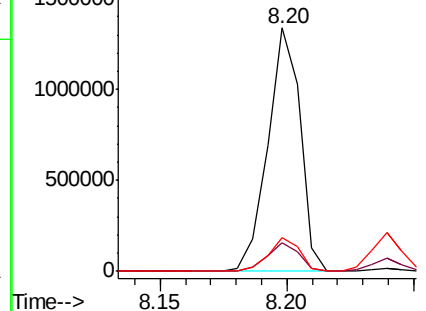
7/12/2019 10:37:38 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 21.012 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

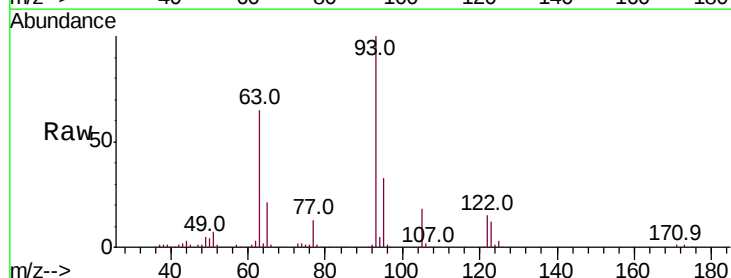
Tgt Ion:122 Resp: 117237

Ion Ratio Lower Upper

122 100

105 123.3 101.6 141.6

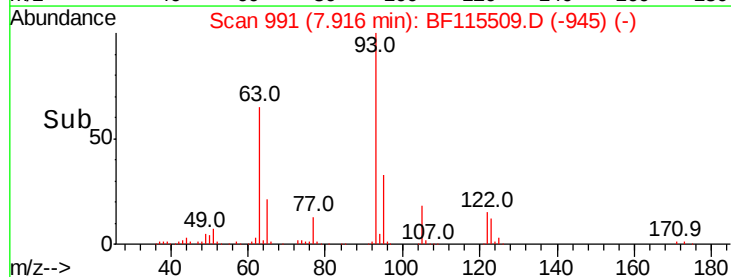
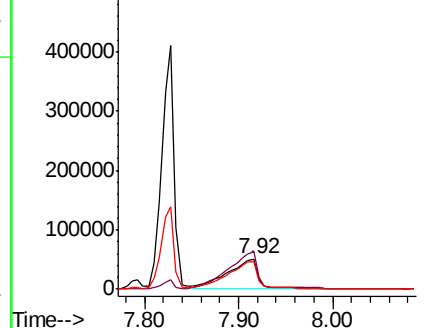
77 90.7 69.1 109.1

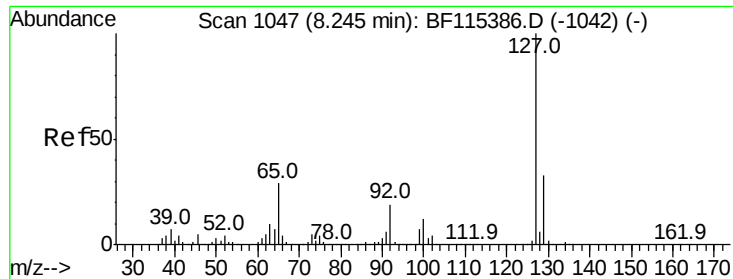


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





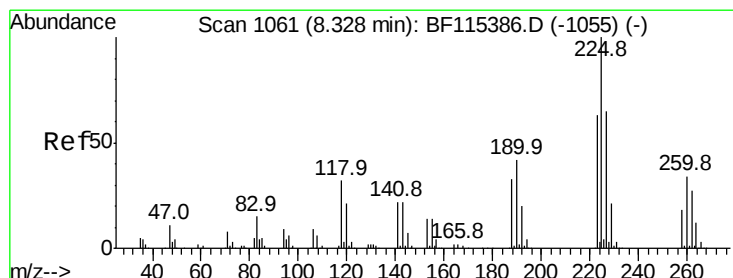
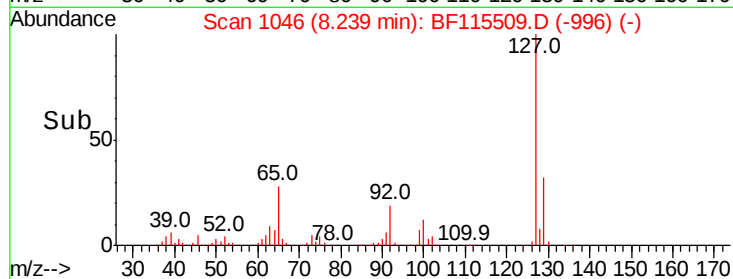
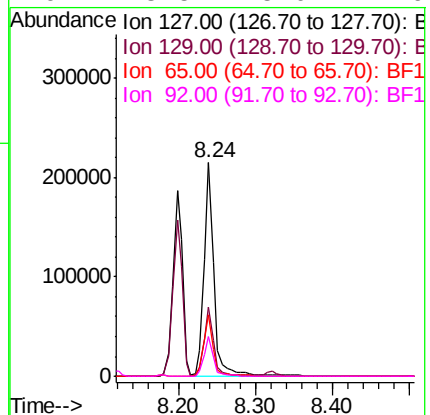
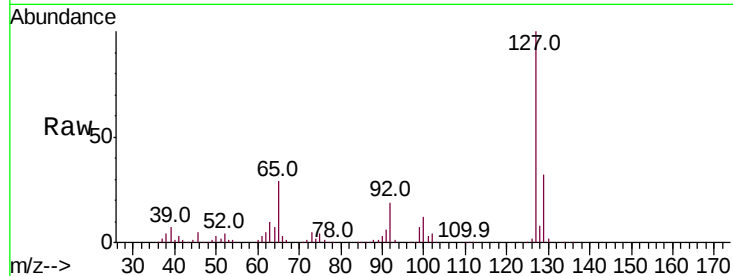
#33
4-Chloroaniline
Concen: 14.159 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	196775		
129	32.2	26.1	39.1	
65	28.6	23.2	34.8	
92	18.5	15.0	22.6	

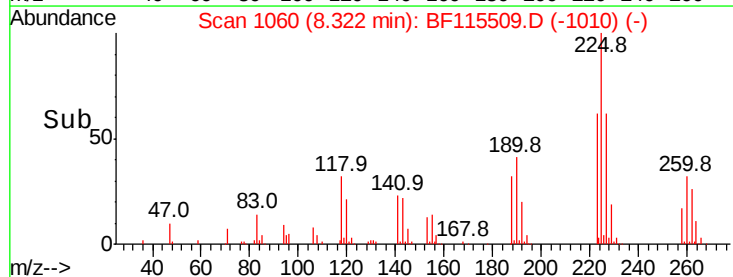
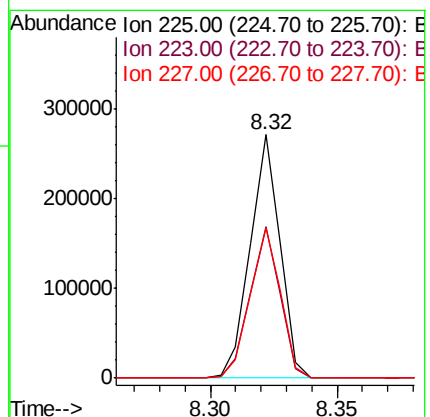
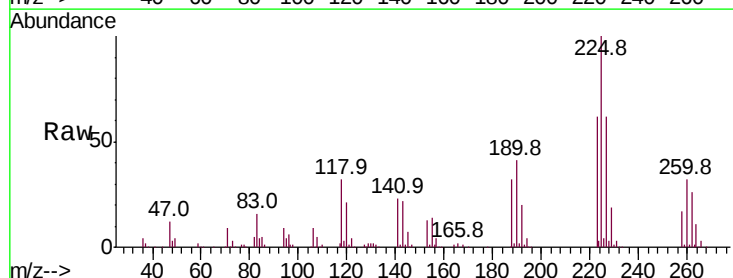
Manual Integrations
APPROVED

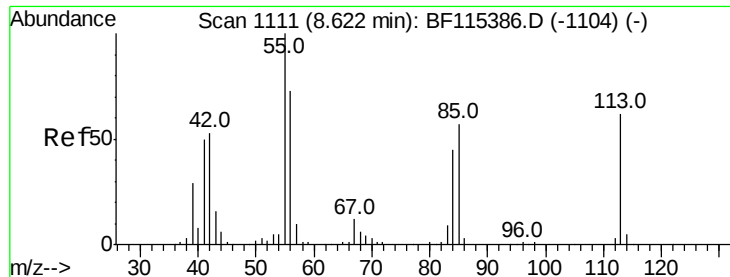
mohammad
7/12/2019 10:37:38 PM



#34
Hexachlorobutadiene
Concen: 37.534 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	221783		
223	62.3	50.6	76.0	
227	61.8	51.4	77.2	





#35

Caprolactam

Concen: 44.180 ng/mL

RT: 8.60 min Scan# 1108

Delta R.T. -0.02 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleID :

MANHOLE-TEST-PITMSD

Tot Ion:113 Resp: 134671

Ion Ratio Lower Upper

113 100

55 153.9 138.1 178.1

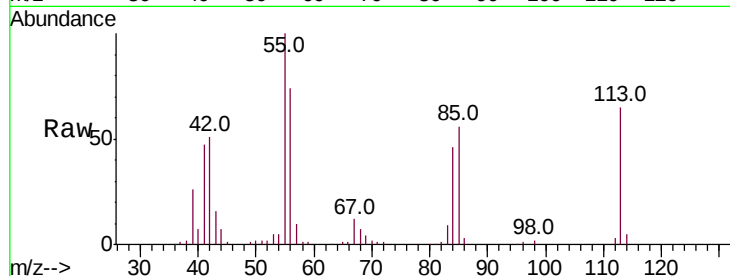
56 113.9 95.7 135.7

Manual Integrations

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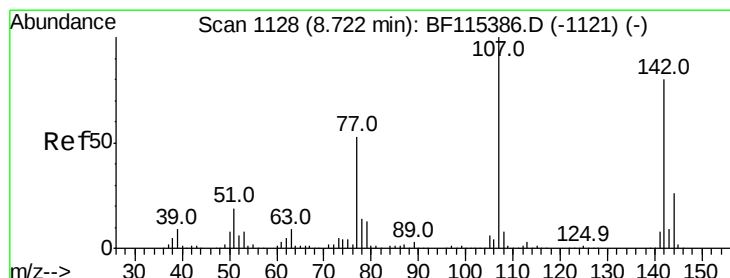
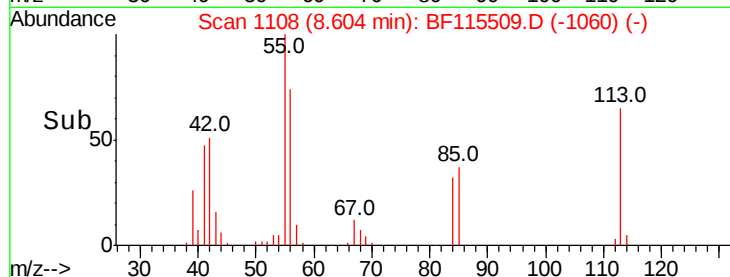
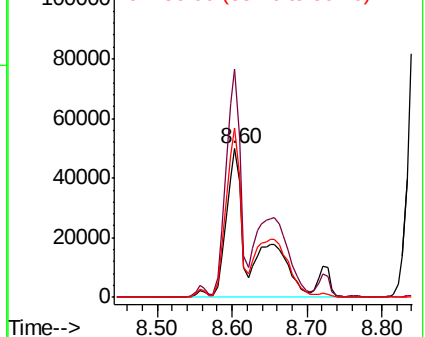
7/12/2019 10:37:38 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 39.715 ng/mL

RT: 8.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

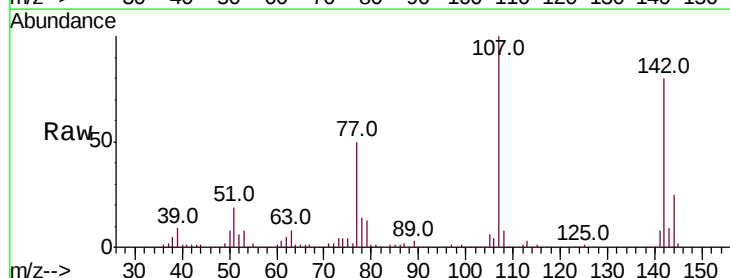
Tgt Ion:107 Resp: 393164

Ion Ratio Lower Upper

107 100

144 25.5 21.5 32.3

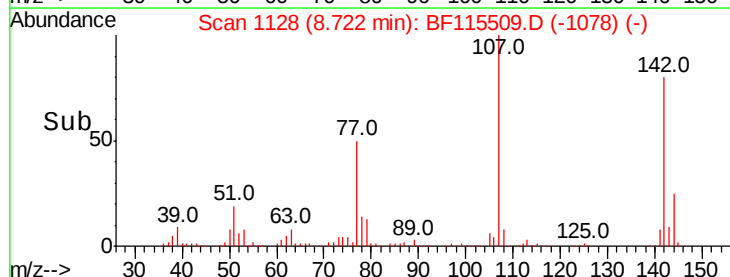
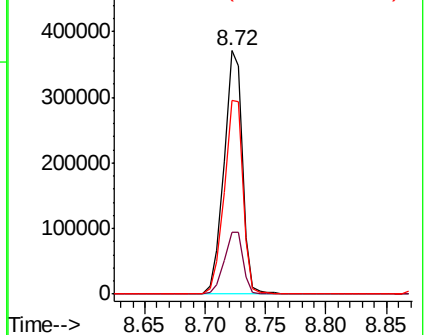
142 79.6 66.2 99.2

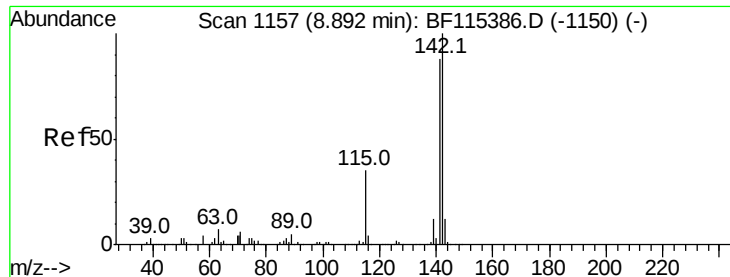


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





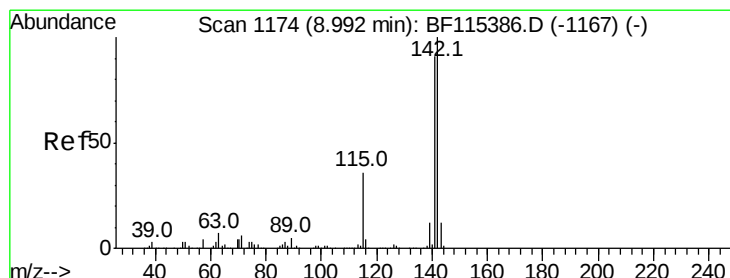
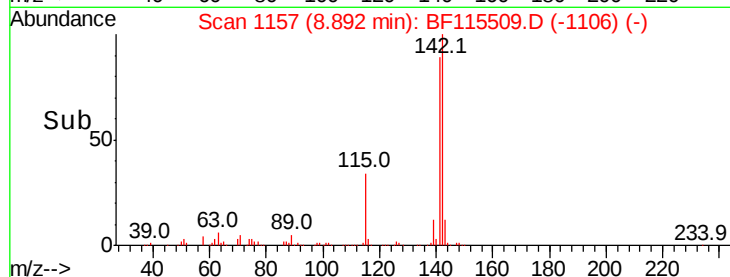
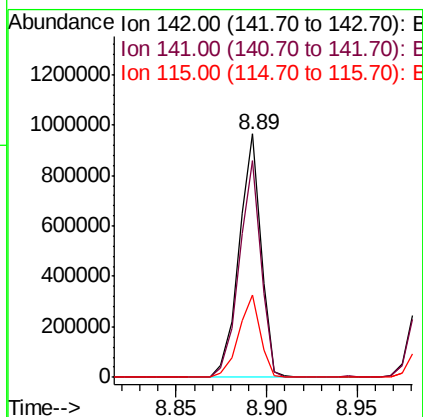
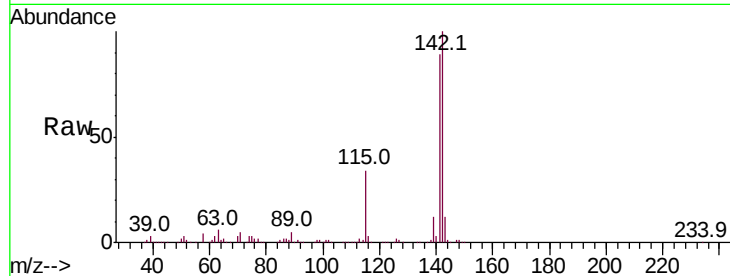
#37
2-Methylnaphthalene
Concen: 38.901 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.1	108.1
115	34.0	27.6	41.4

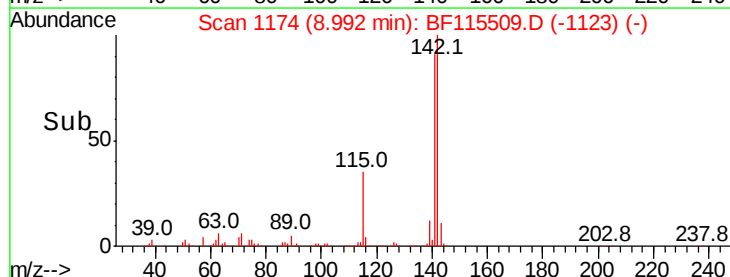
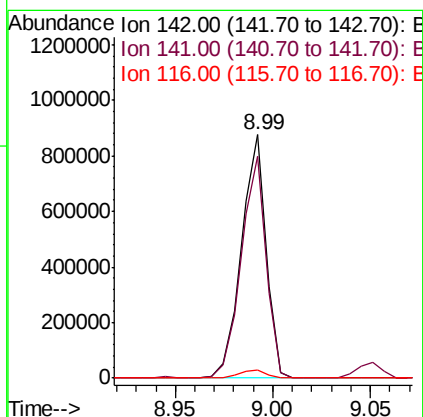
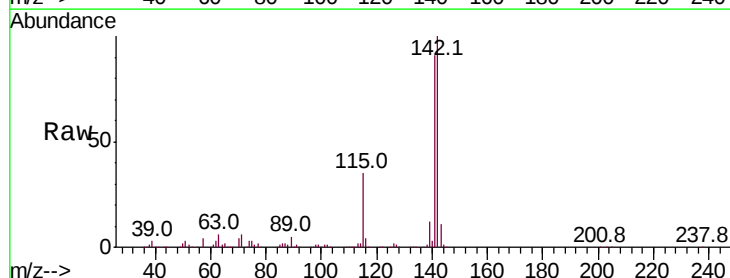
Manual Integrations
APPROVED

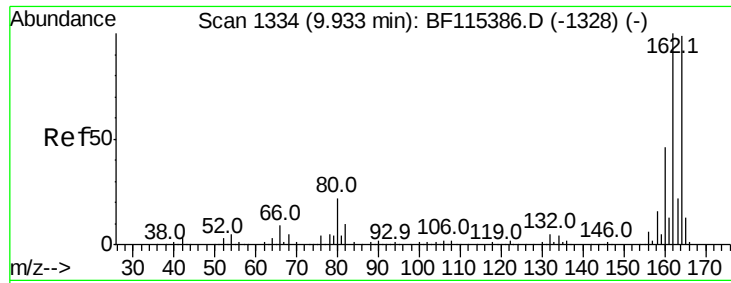
mohammad
7/12/2019 10:37:38 PM



#38
1-Methylnaphthalene
Concen: 38.490 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.3	111.5
116	3.6	3.1	4.7





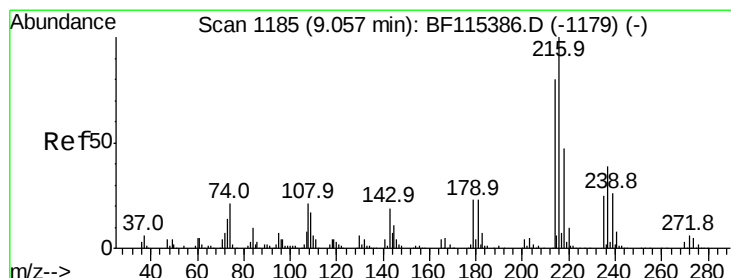
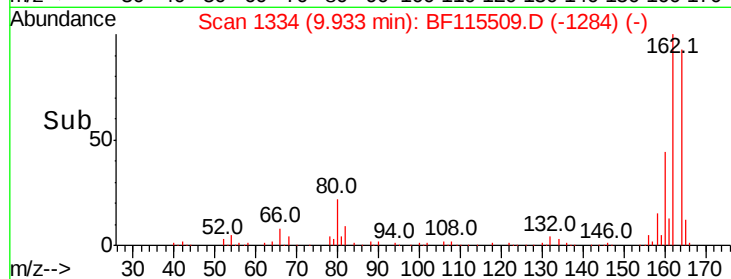
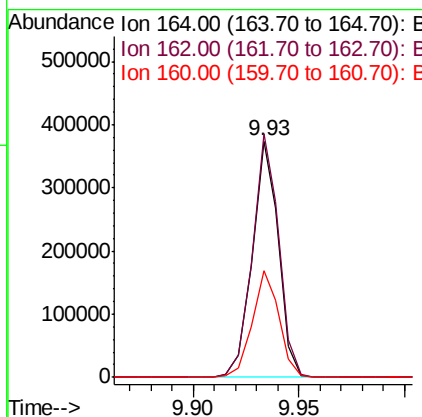
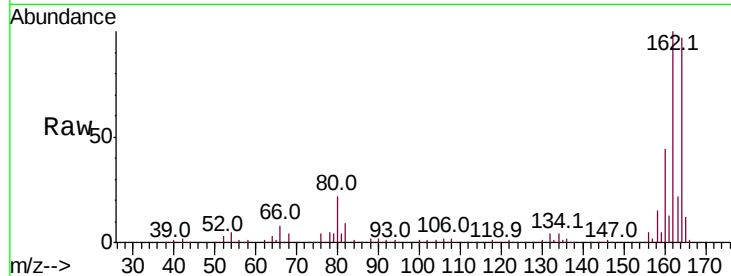
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.3	123.5
160	45.4	37.2	55.8

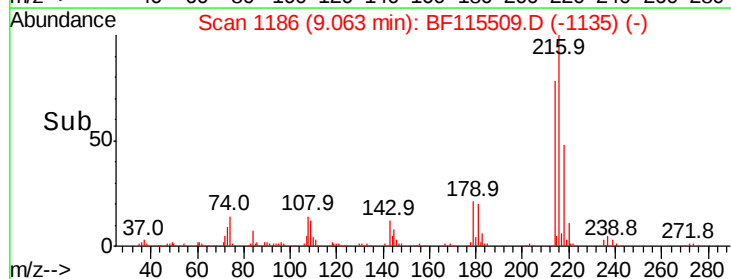
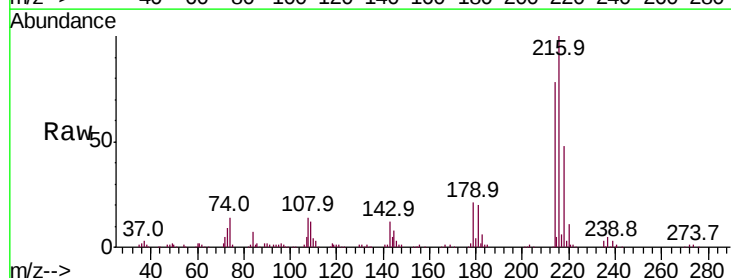
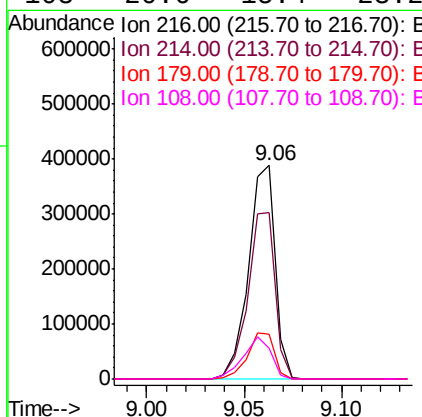
Manual Integrations
APPROVED

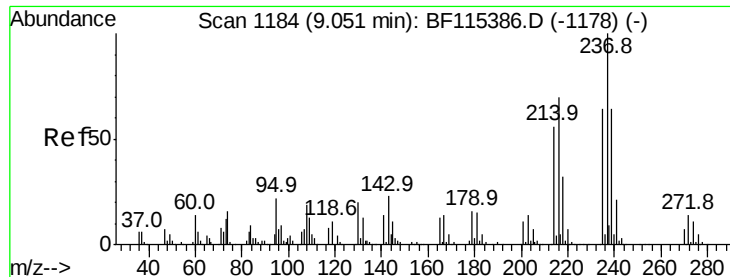
mohammad
7/12/2019 10:37:38 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.806 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.0	94.6
179	21.8	17.4	26.0
108	20.6	15.4	23.2





#41

Hexachlorocyclopentadiene

Concen: 73.928 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

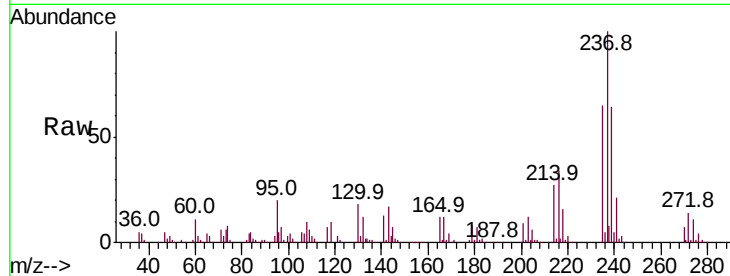
ClientSampleId :

MANHOLE-TEST-PITMSD

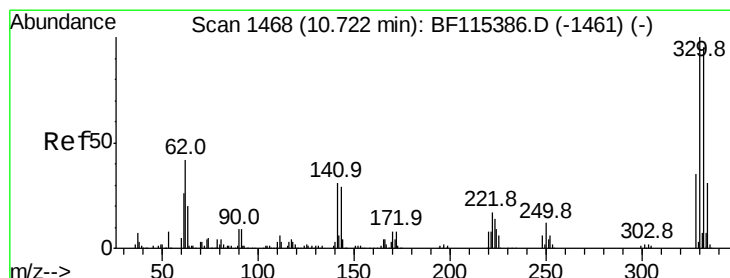
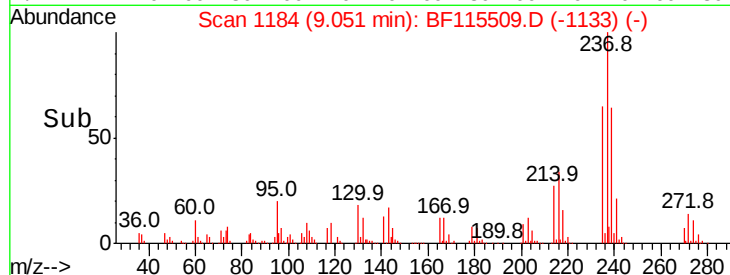
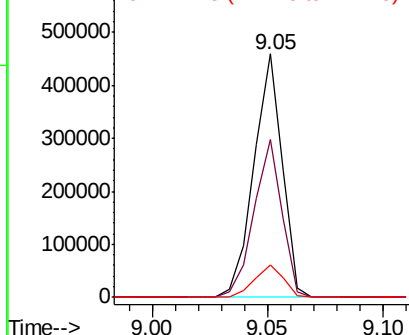
Tot Ion:	237	Resp:	395668
Ion Ratio	Lower	Upper	
237	100		
235	65.0	43.4	83.4
272	13.6	0.0	33.6

Manual Integrations
APPROVED

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 130.511 ng

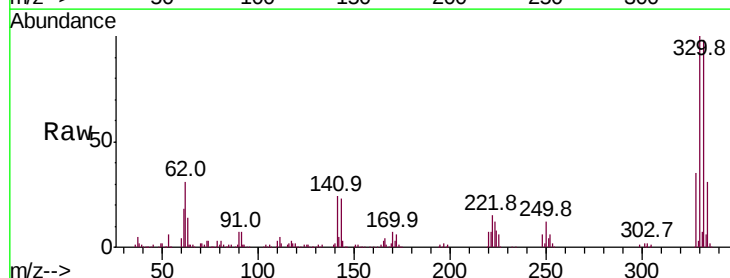
RT: 10.73 min Scan# 1469

Delta R.T. 0.00 min

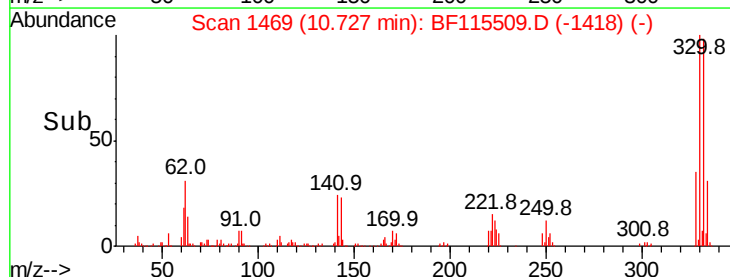
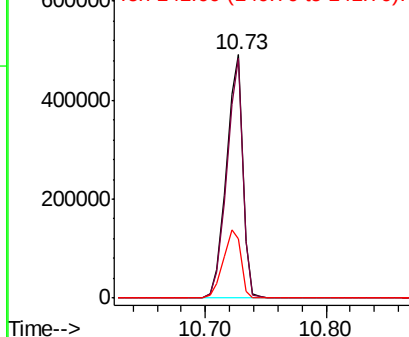
Lab File: BF115509.D

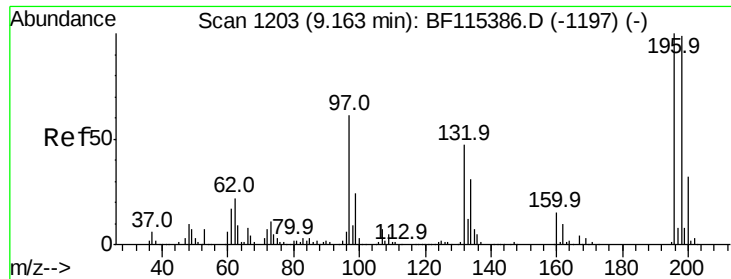
Acq: 11 Jul 2019 22:01

Tgt Ion:	330	Resp:	463185
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.4	116.0
141	30.0	24.7	37.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





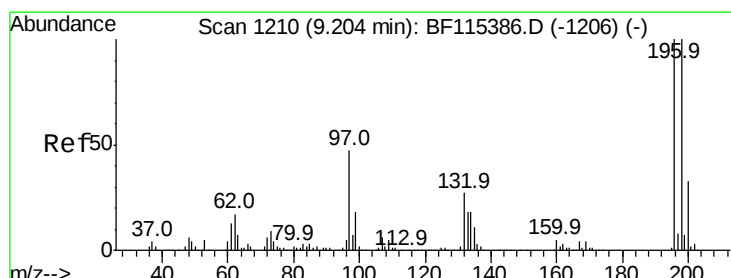
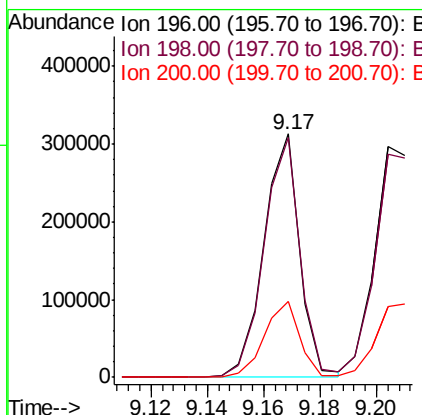
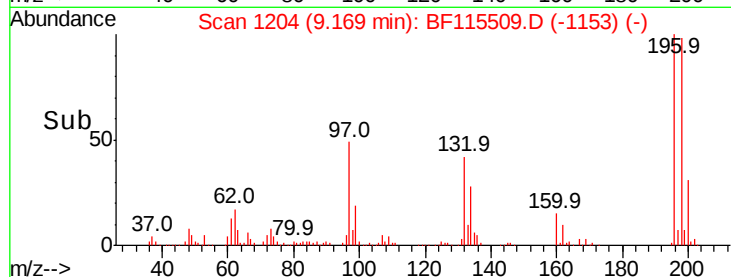
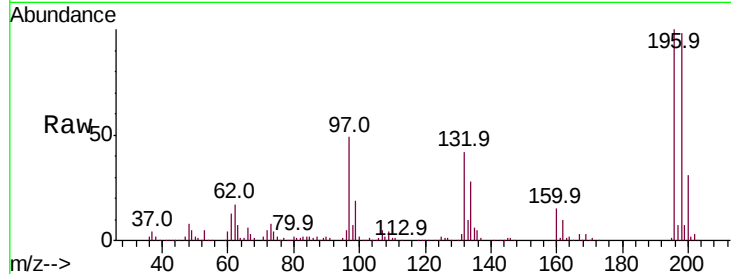
#43
 2,4,6-Trichlorophenol
 Concen: 40.712 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	273694		
198	98.5	78.2	117.4	
200	31.4	25.0	37.6	

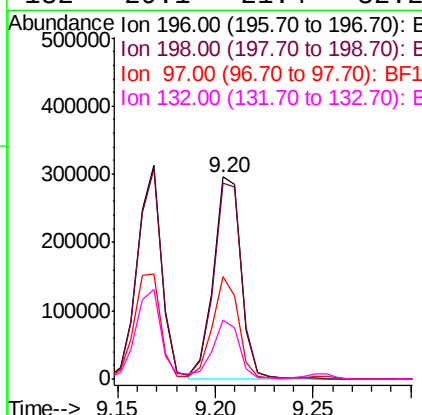
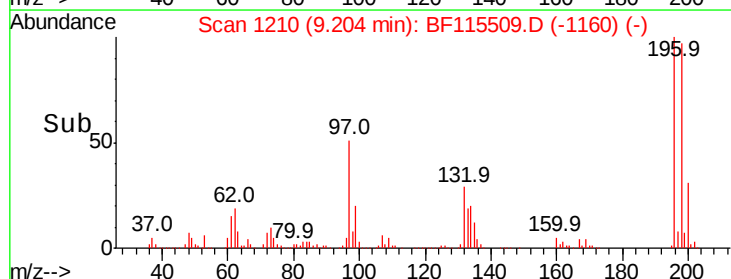
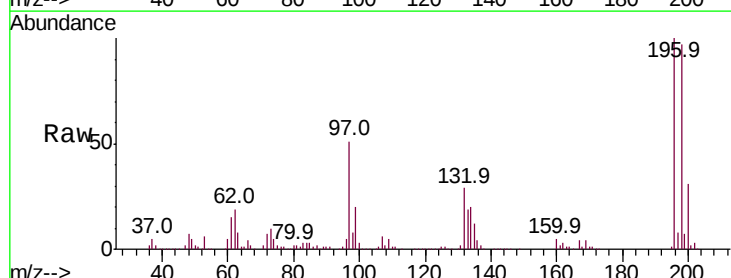
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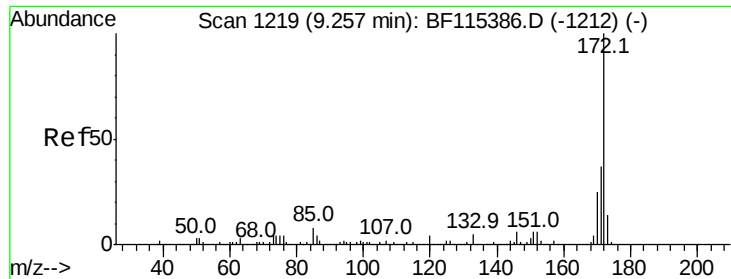
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#44
 2,4,5-Trichlorophenol
 Concen: 41.414 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	288697		
198	97.1	80.6	120.8	
97	51.0	34.0	51.0	
132	29.1	21.4	32.2	





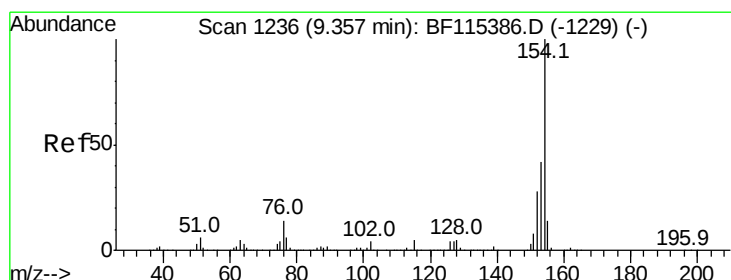
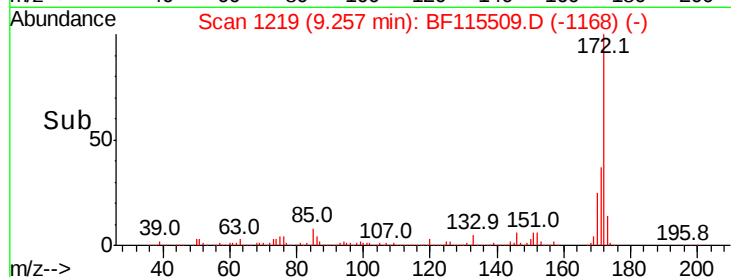
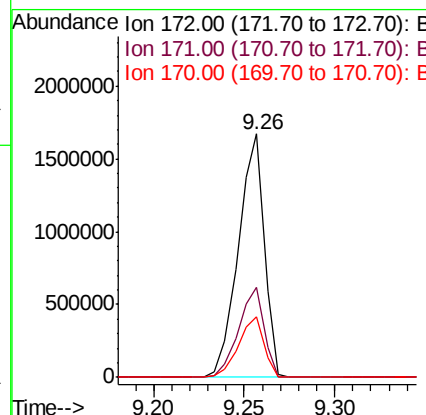
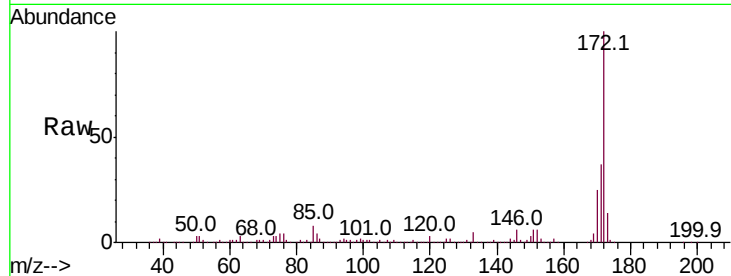
#45
2-Fluorobiphenyl
Concen: 90.622 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.8
170	24.8	20.0	30.0

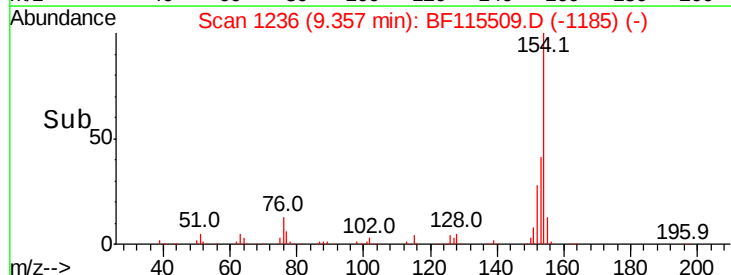
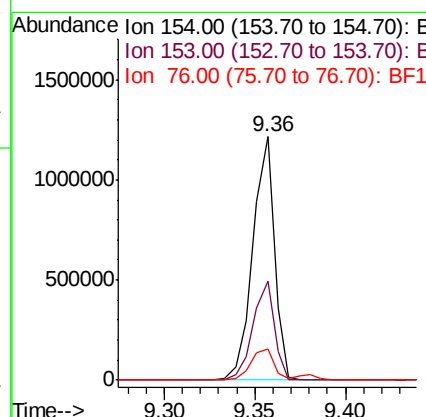
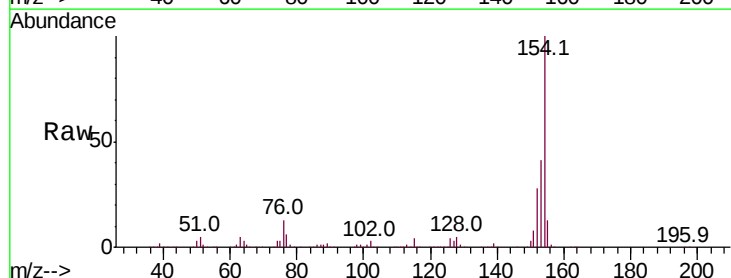
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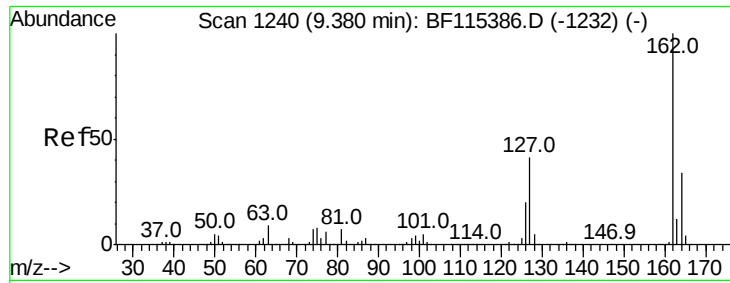
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#46
1,1'-Biphenyl
Concen: 39.929 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.5	61.5
76	12.8	0.0	34.6





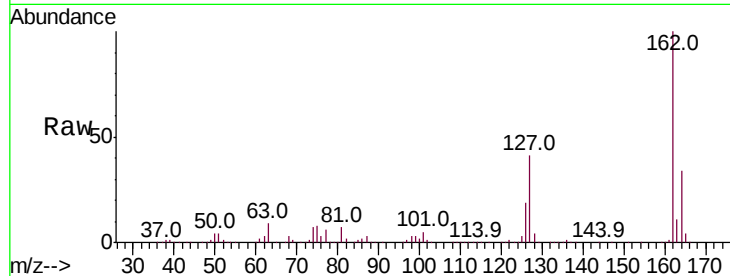
#47
 2-Chloronaphthalene
 Concen: 38.042 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

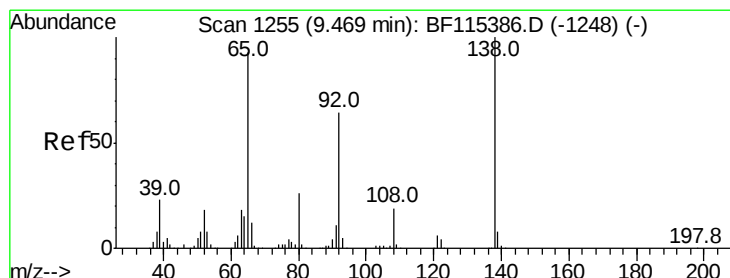
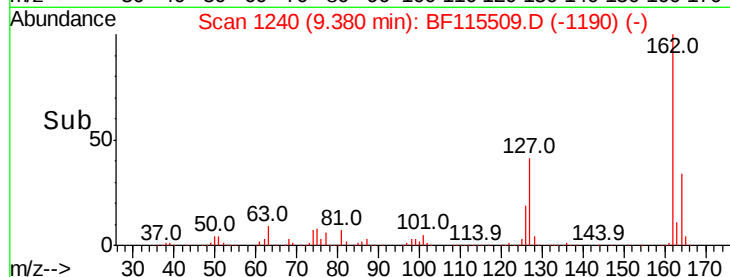
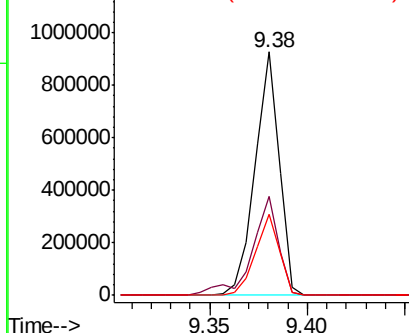
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.4	47.0
164	33.5	27.2	40.8

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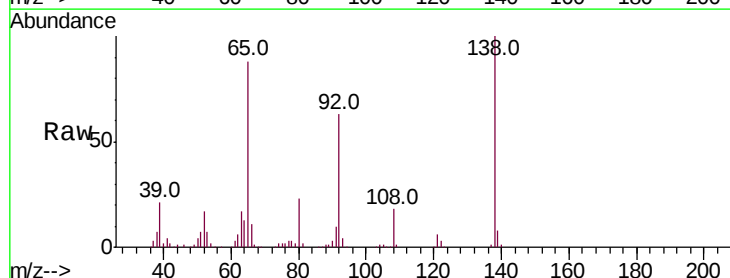


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

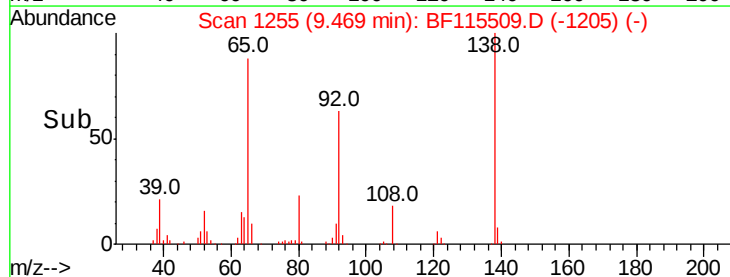
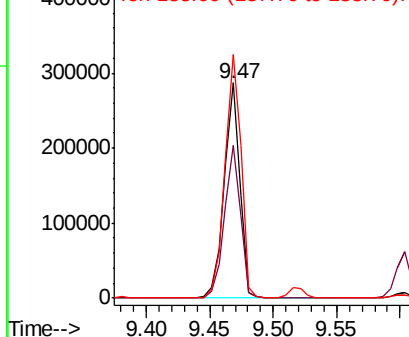


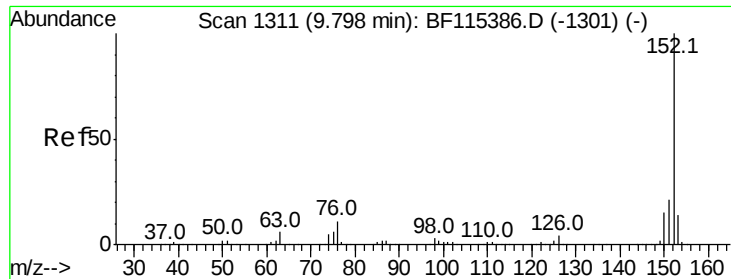
#48
 2-Nitroaniline
 Concen: 40.320 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.9	59.0	88.4
138	113.2	98.3	147.5



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 39.014 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

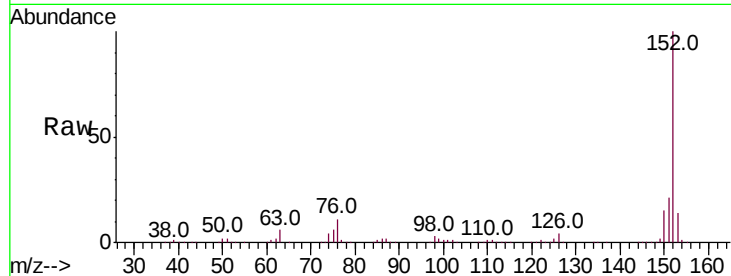
ClientSampleId :

MANHOLE-TEST-PITMSD

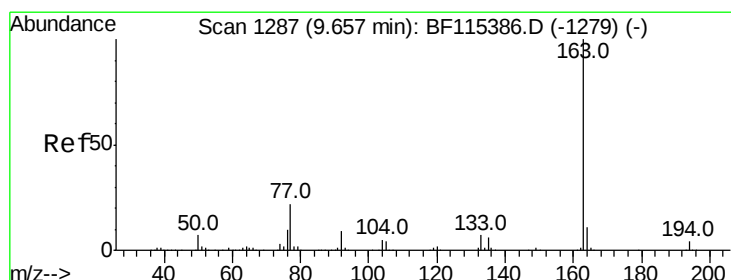
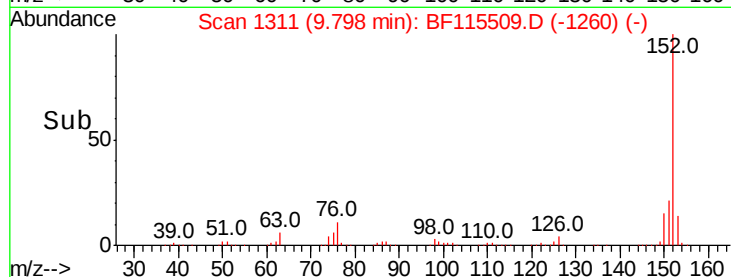
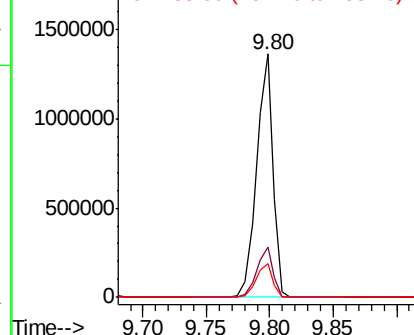
Tot Ion:	152	Resp:	1231895
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.1	25.7
153	13.9	11.8	17.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.890 ng

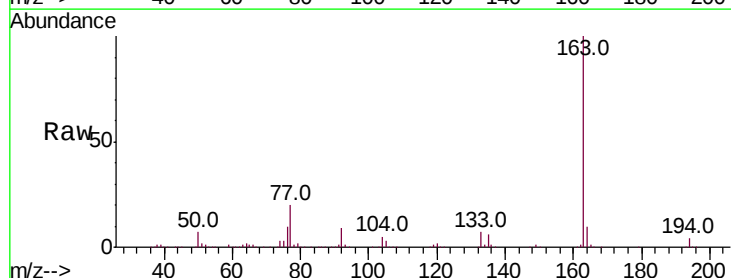
RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

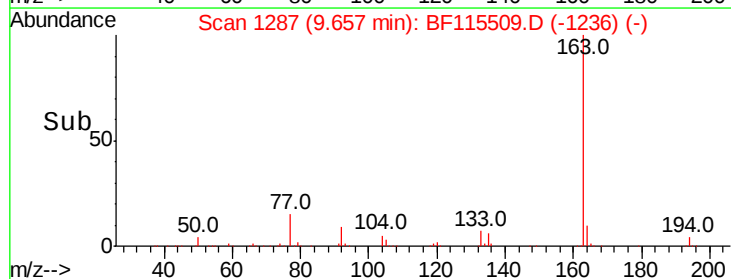
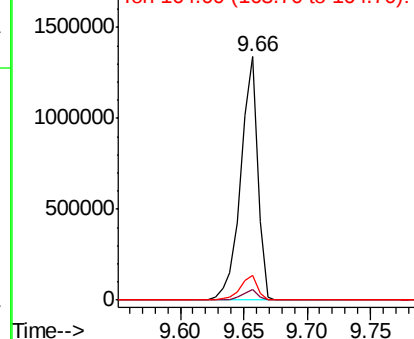
Lab File: BF115509.D

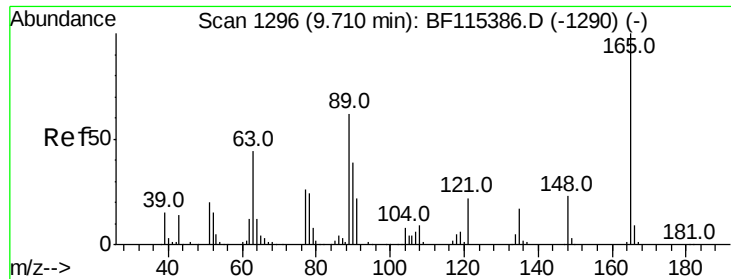
Acq: 11 Jul 2019 22:01

Tgt Ion:	163	Resp:	1226049
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.1	4.7
164	10.4	8.6	13.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 42.094 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

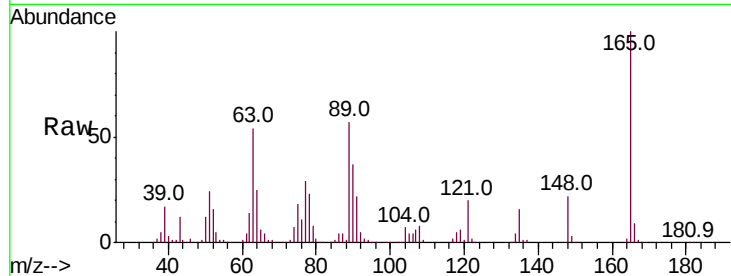
ClientSampleId :

MANHOLE-TEST-PITMSD

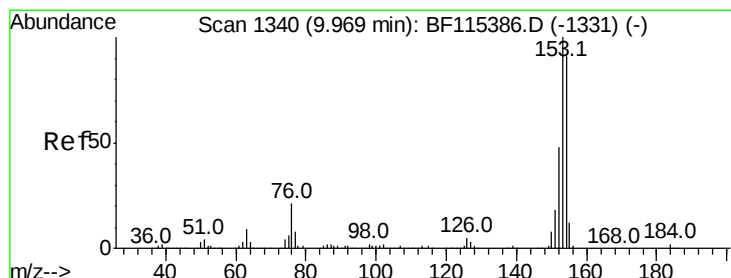
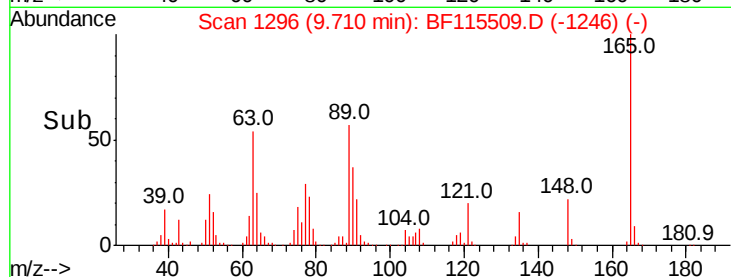
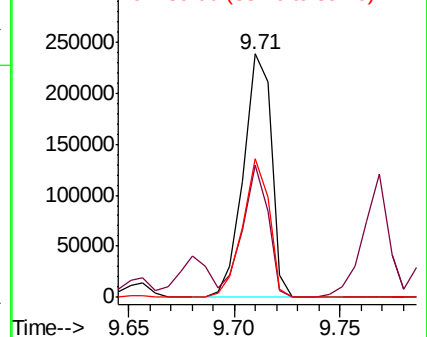
Tot Ion:	165	Resp:	219940
Ion Ratio	Lower	Upper	
165	100		
63	54.3	39.7	59.5
89	56.8	42.8	64.2

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 41.312 ng

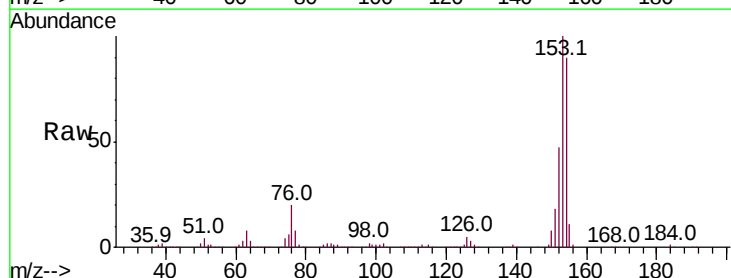
RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

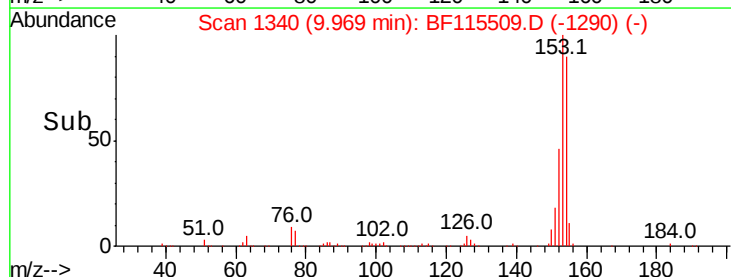
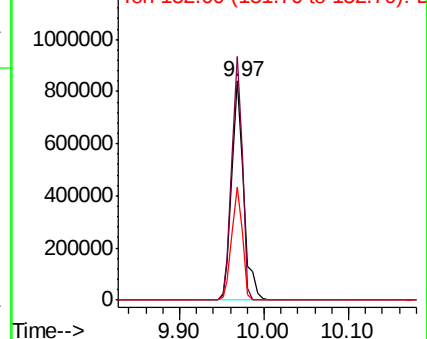
Lab File: BF115509.D

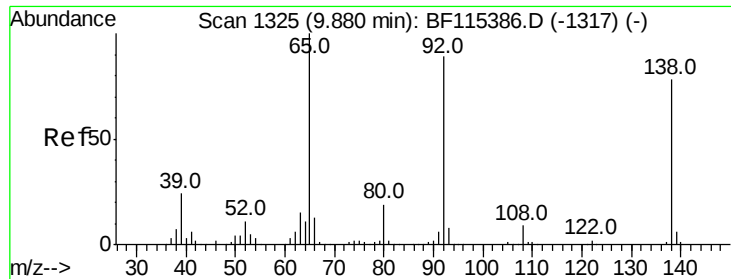
Acq: 11 Jul 2019 22:01

Tgt Ion:	154	Resp:	820969
Ion Ratio	Lower	Upper	
154	100		
153	111.2	89.8	134.8
152	51.8	41.4	62.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





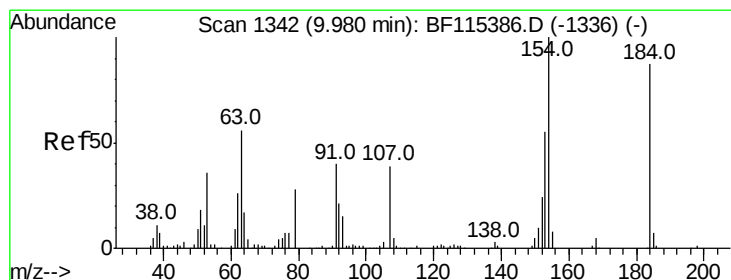
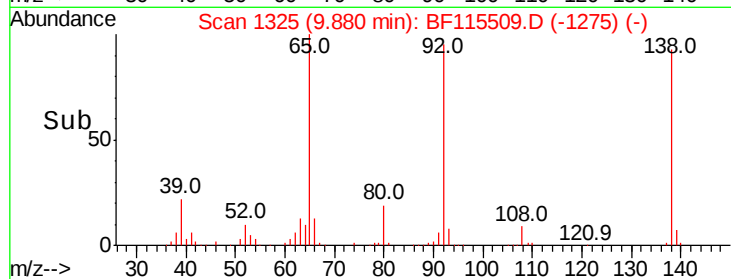
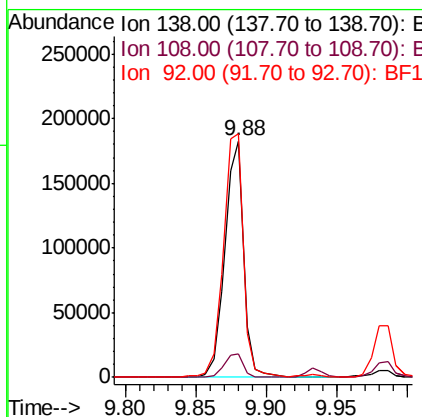
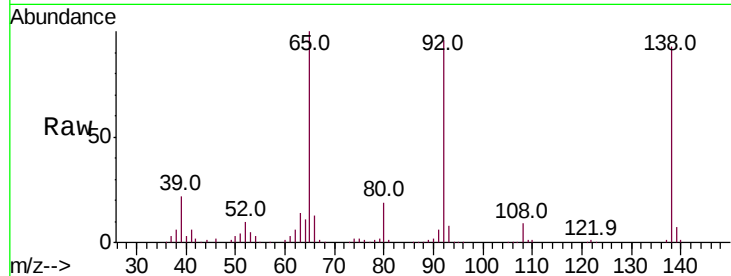
#53
3-Nitroaniline
Concen: 27.879 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.5	12.7
92	103.2	86.1	129.1

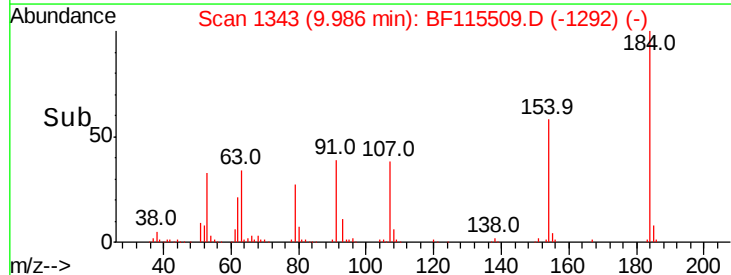
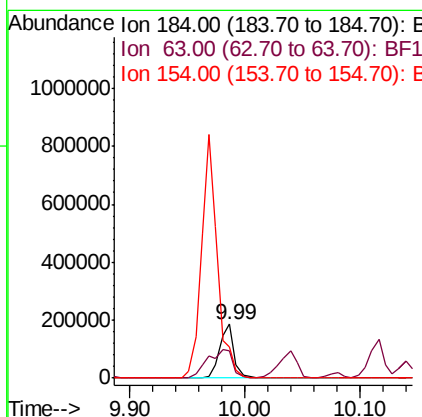
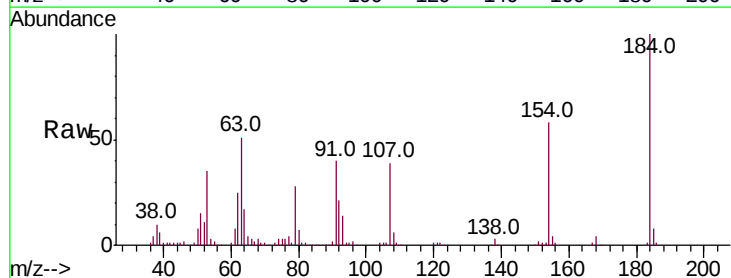
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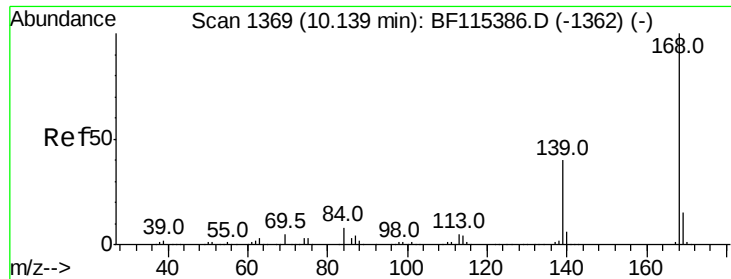
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#54
2,4-Dinitrophenol
Concen: 72.695 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	50.9	45.8	68.6
154	58.2	52.8	79.2





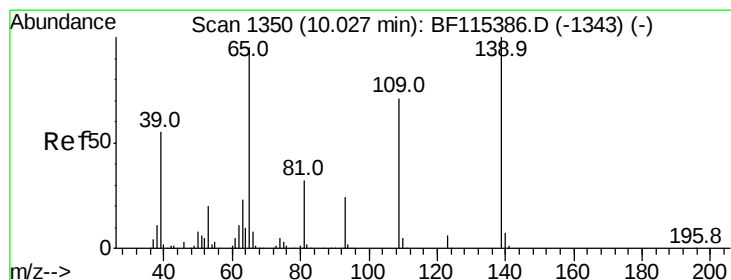
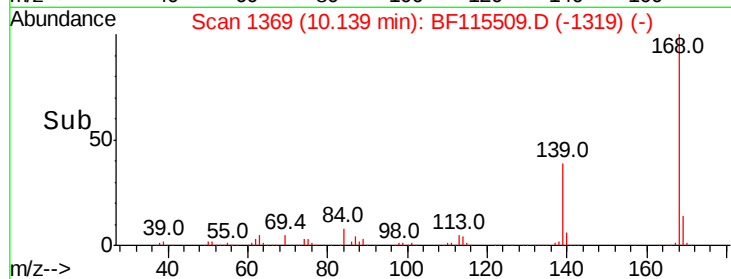
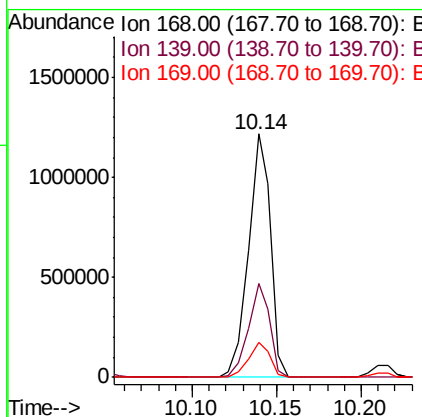
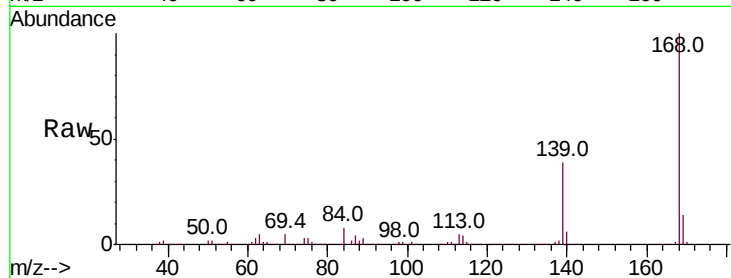
#55
Dibenzenofuran
Concen: 39.685 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:168 Resp: 1110920
Ion Ratio Lower Upper
168 100
139 38.7 30.6 46.0
169 14.3 11.0 16.6

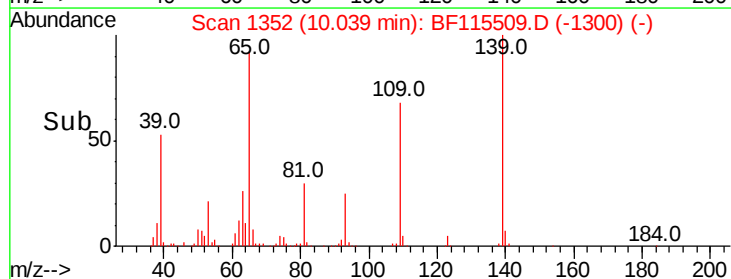
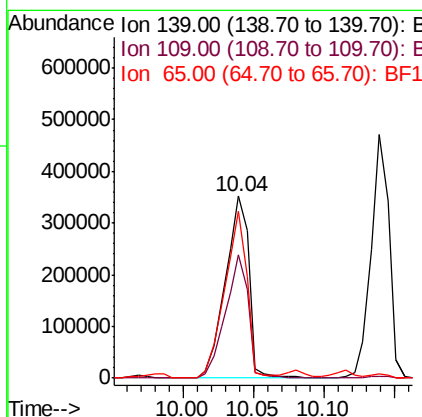
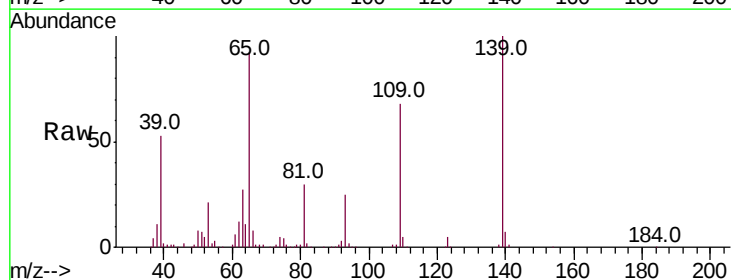
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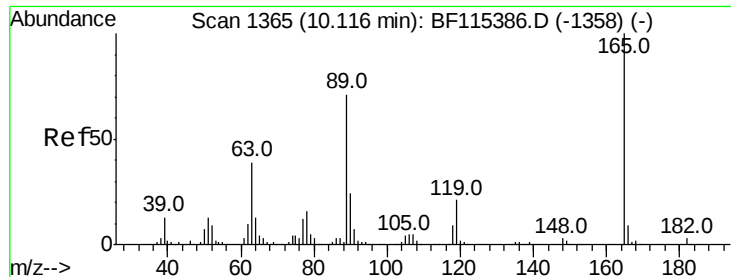
mohammad
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#56
4-Nitrophenol
Concen: 87.308 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:139 Resp: 409928
Ion Ratio Lower Upper
139 100
109 67.6 46.4 86.4
65 91.7 73.4 113.4





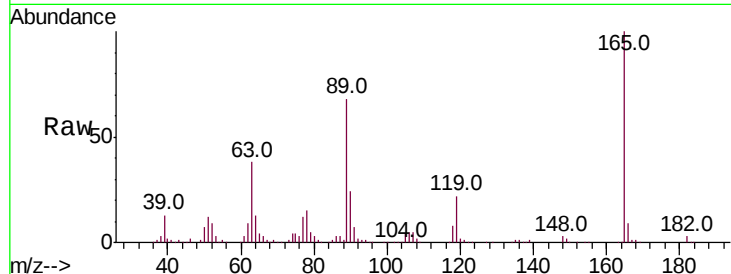
#57
2,4-Dinitrotoluene
Concen: 44.545 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	295792		
63	37.9	33.0	49.4	
89	67.6	58.5	87.7	
182	2.8	2.1	3.1	

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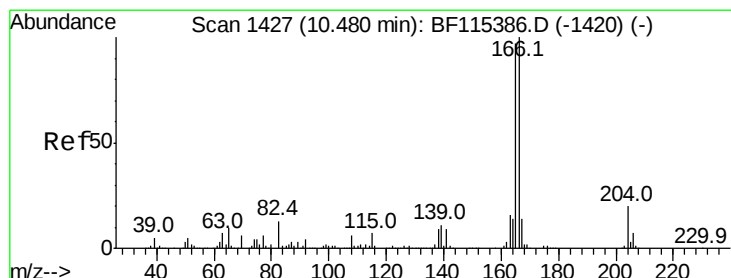
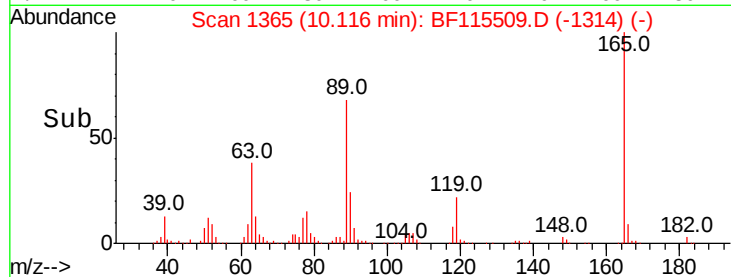
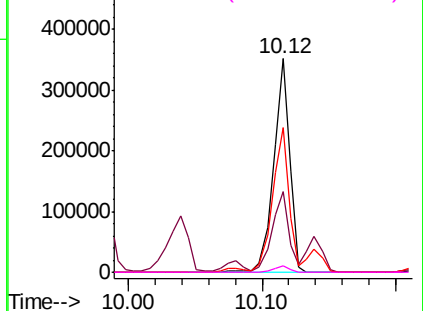
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 37.461 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

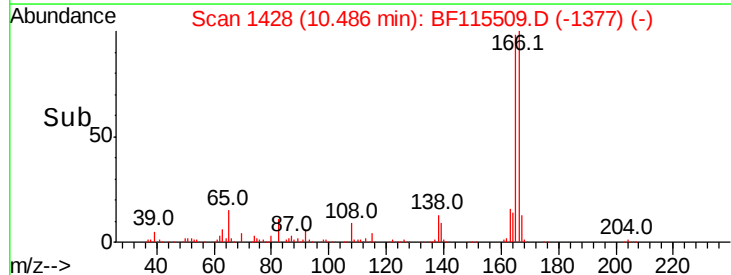
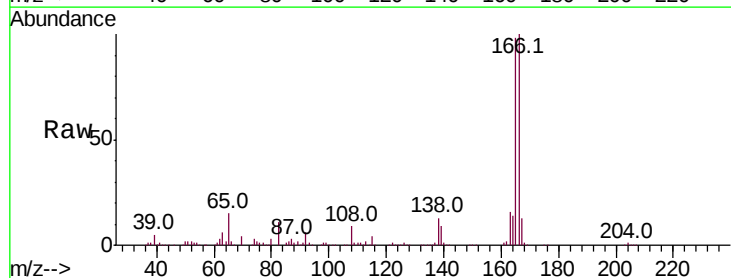
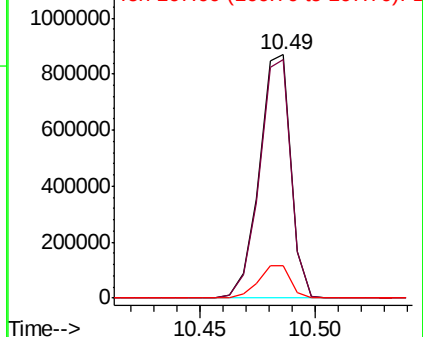
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	826678		
165	97.8	78.7	118.1	
167	13.4	10.8	16.2	

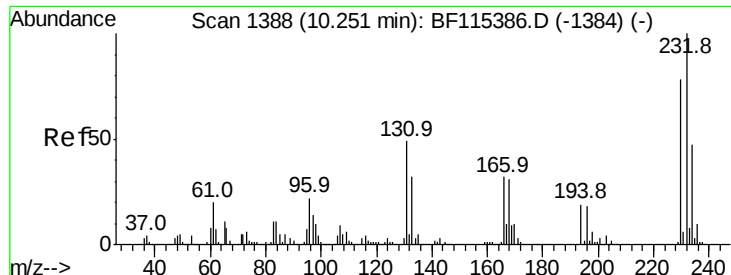
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.910 ng

RT: 10.26 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:232 Resp: 252381

Ion Ratio Lower Upper

232 100

131 44.2 35.4 53.0

130 2.1 1.7 2.5

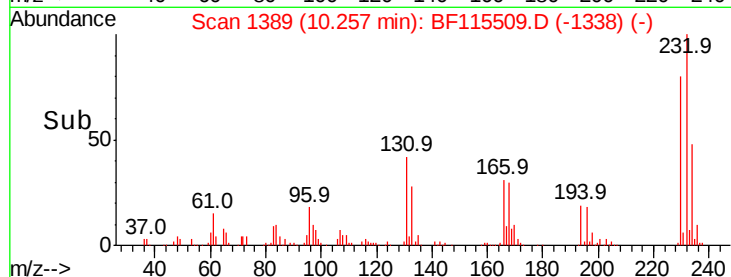
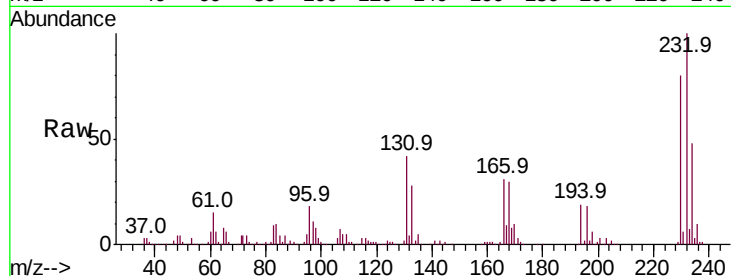
166 30.3 24.8 37.2

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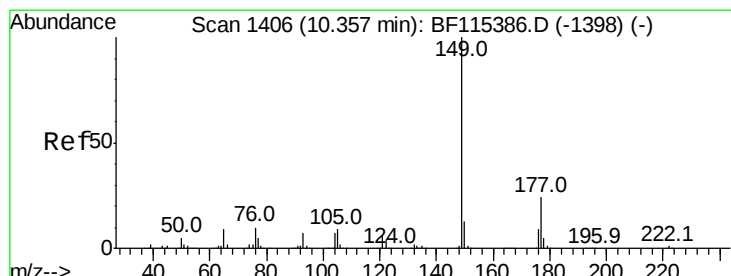
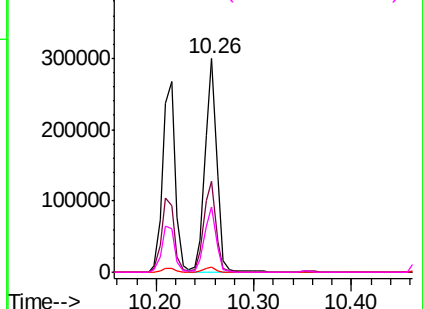


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 38.584 ng

RT: 10.36 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

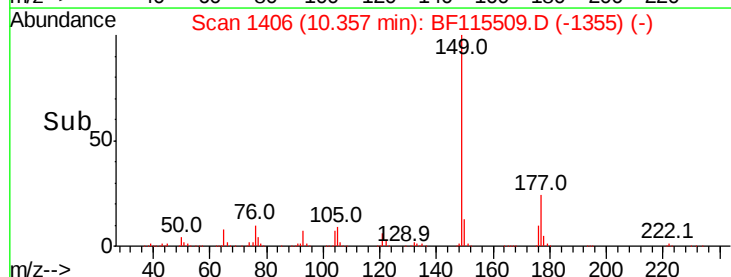
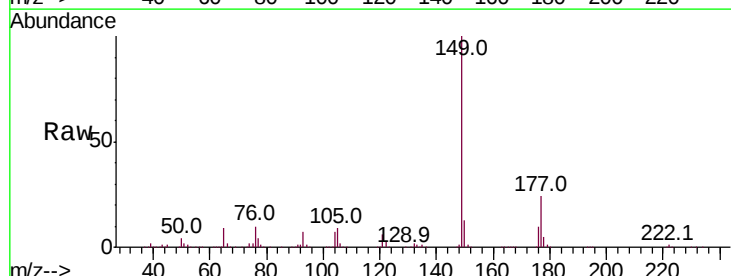
Tgt Ion:149 Resp: 914965

Ion Ratio Lower Upper

149 100

177 23.7 19.0 28.4

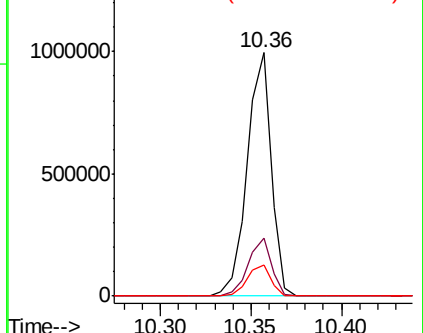
150 12.5 10.4 15.6

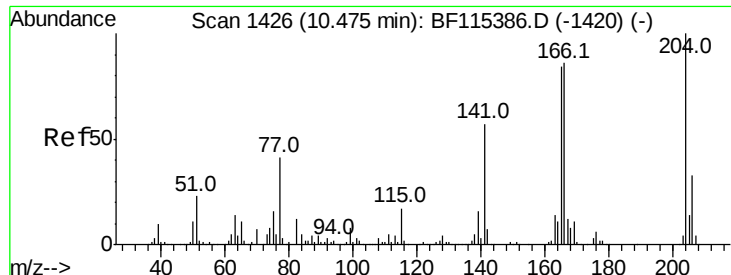


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





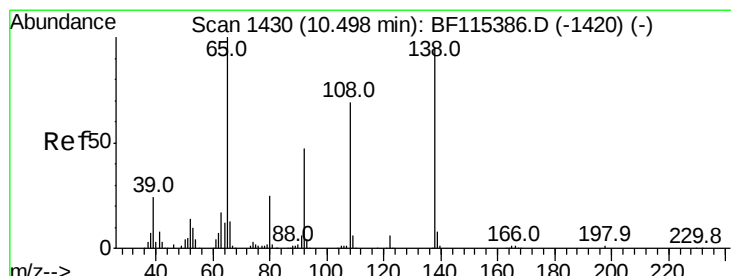
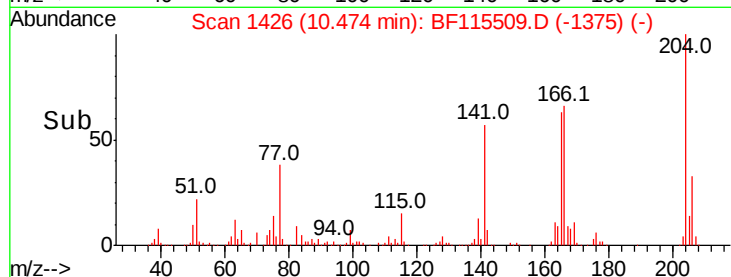
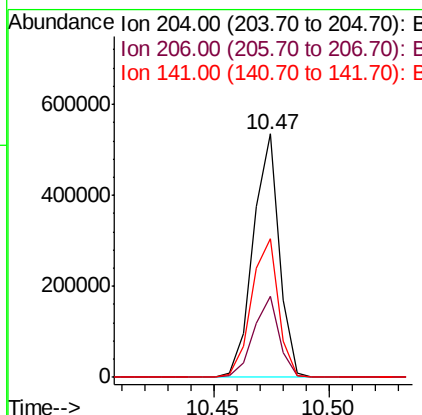
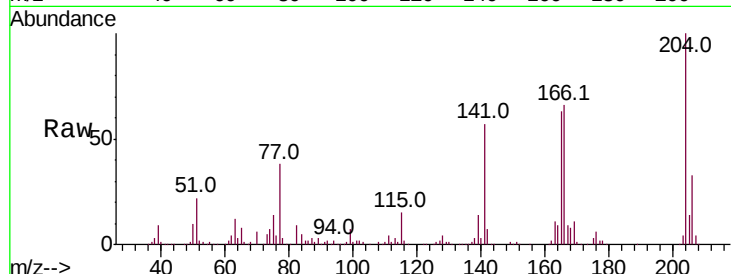
#61
4-Chlorophenyl-phenylether
Concen: 39.207 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	56.9	47.9	71.9

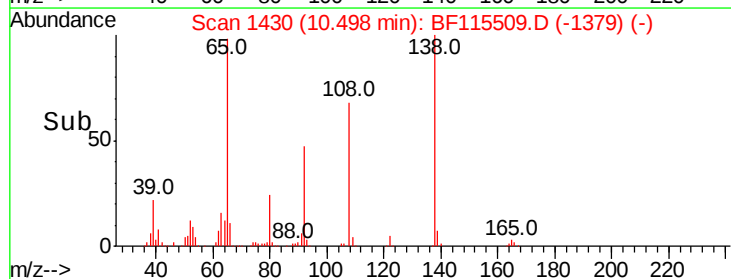
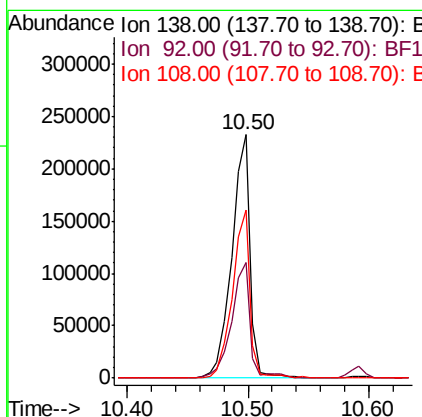
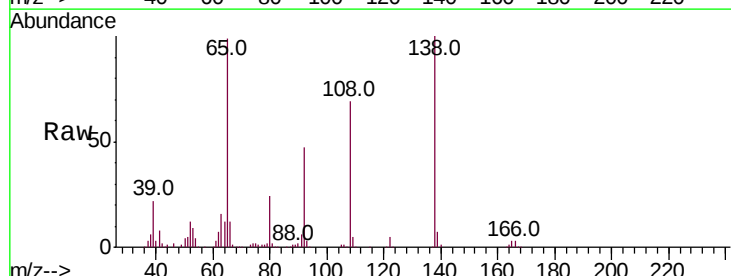
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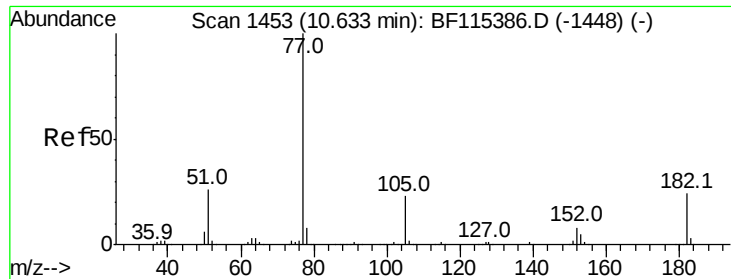
mohammad
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#62
4-Nitroaniline
Concen: 41.185 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.3	29.9	69.9
108	68.8	49.0	89.0





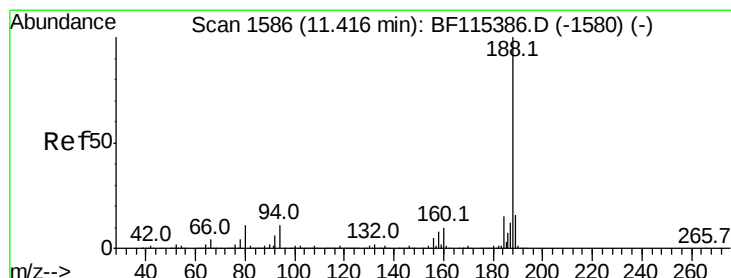
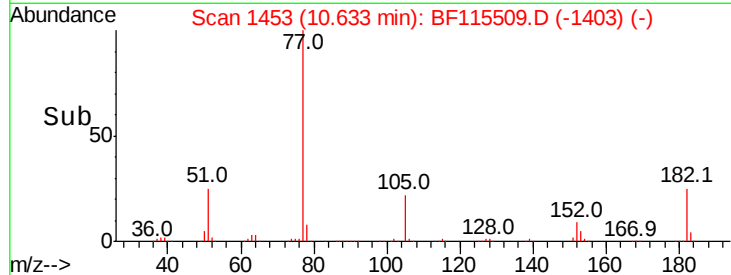
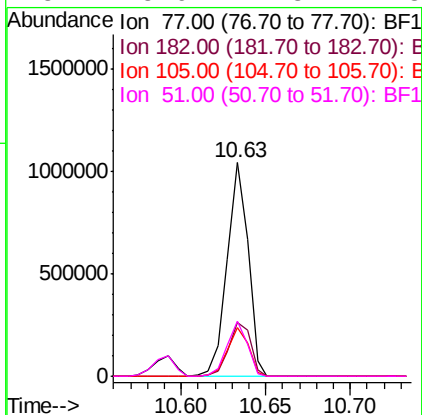
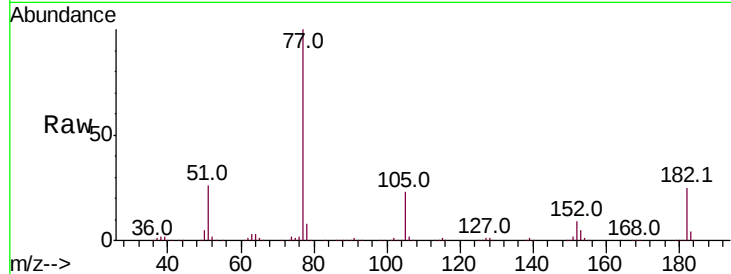
#63
Azobenzene
Concen: 36.601 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	25.2	7.7	47.7	
105	22.9	3.6	43.6	
51	25.6	4.8	44.8	

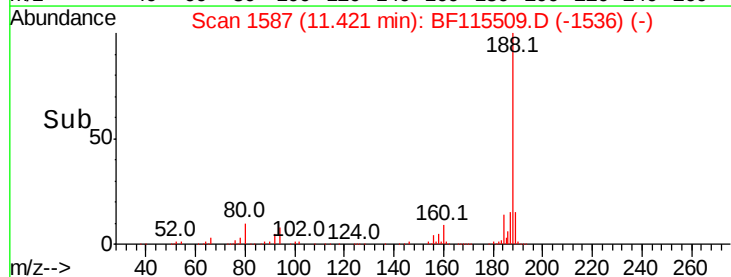
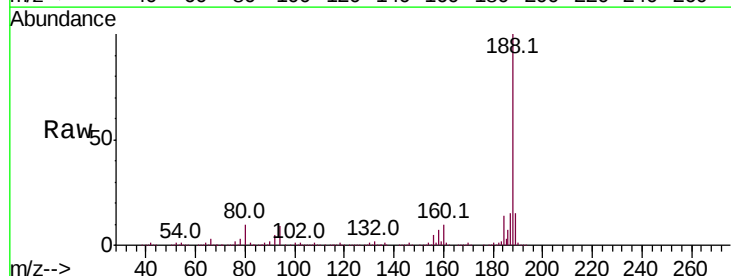
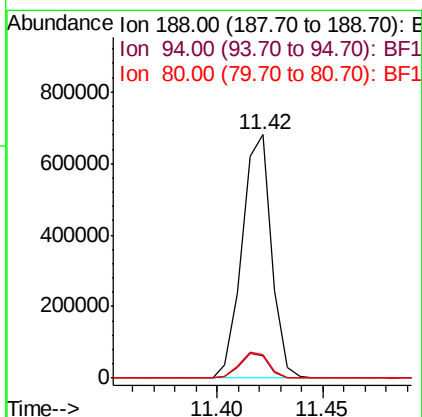
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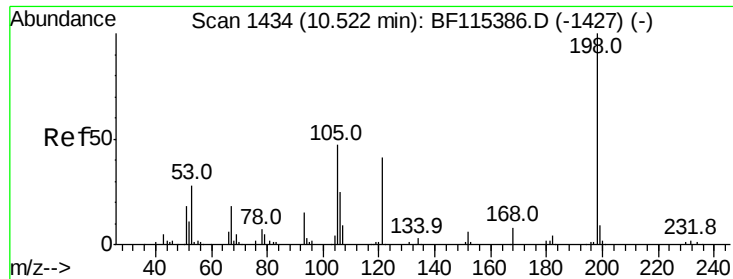
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.3	7.8	11.8	
80	9.7	8.4	12.6	





#65

4,6-Dinitro-2-methylphenol

Concen: 47.971 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:198 Resp: 150420

Ion Ratio Lower Upper

198 100

51 28.7 20.7 60.7

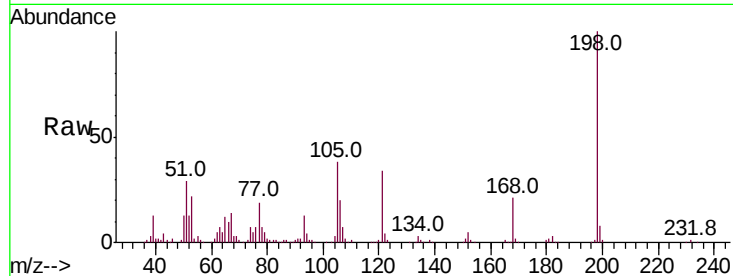
105 37.8 25.3 65.3

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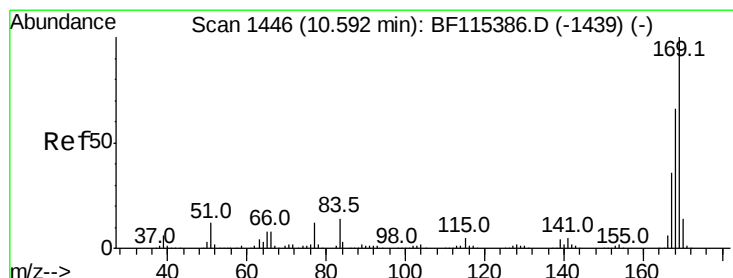
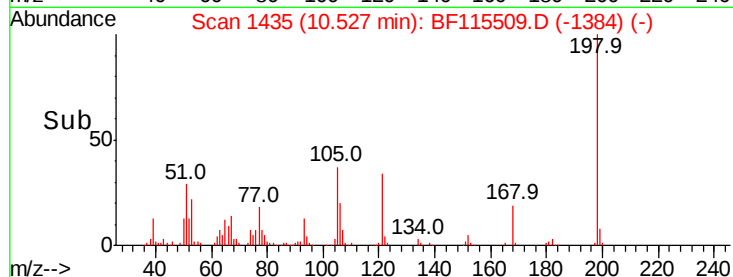
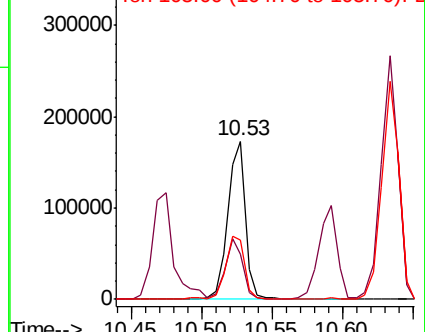
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 38.172 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

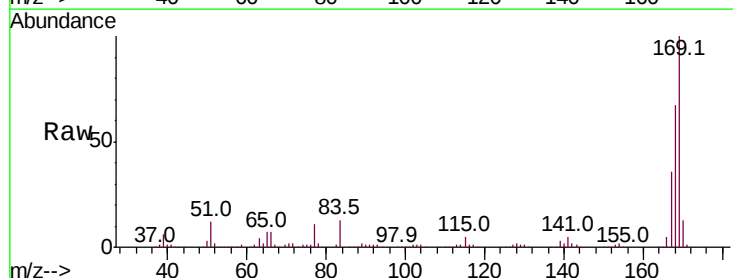
Tgt Ion:169 Resp: 787747

Ion Ratio Lower Upper

169 100

168 66.7 53.2 79.8

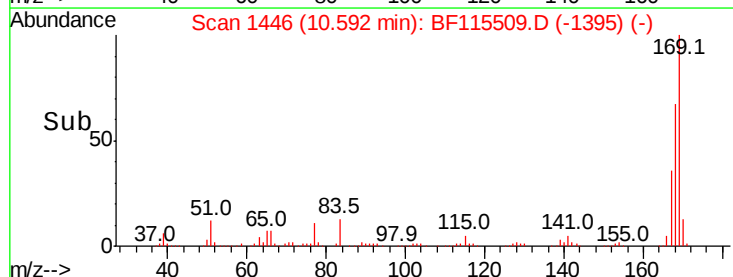
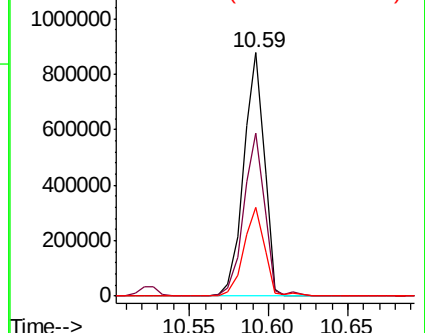
167 36.3 29.4 44.2

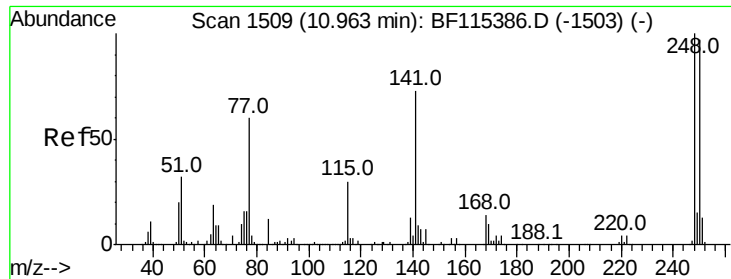


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 37.953 ng

RT: 10.96 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

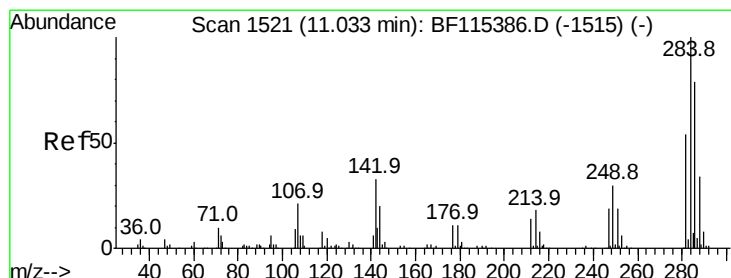
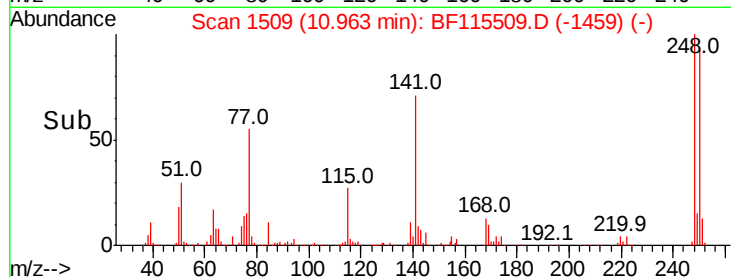
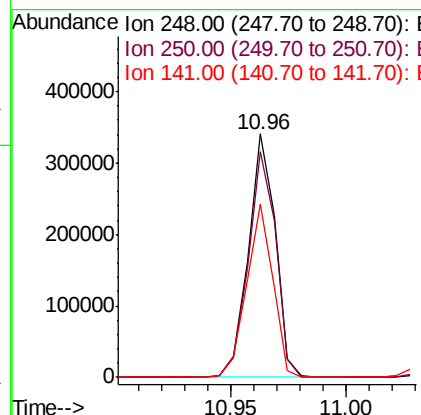
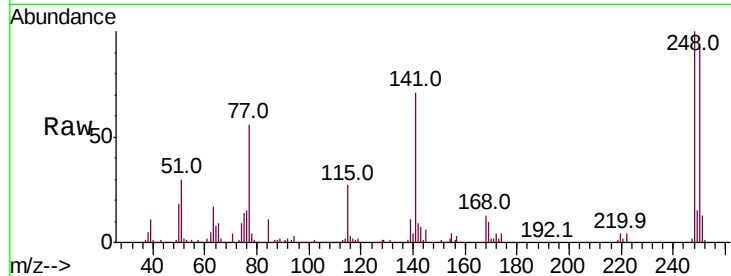
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:	248	Resp:	278923
Ion Ratio	Lower	Upper	
248	100		
250	92.8	78.3	117.5
141	71.0	52.2	78.2

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#68

Hexachlorobenzene

Concen: 37.546 ng

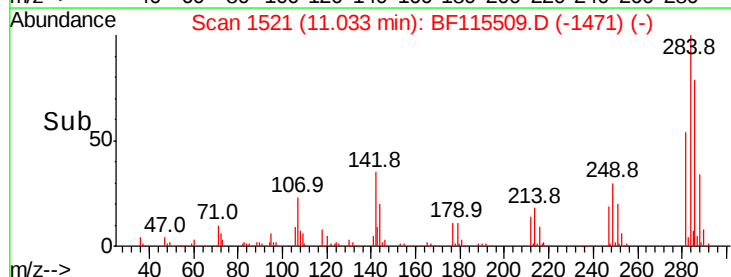
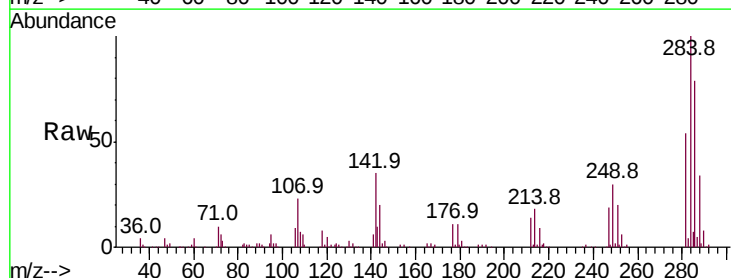
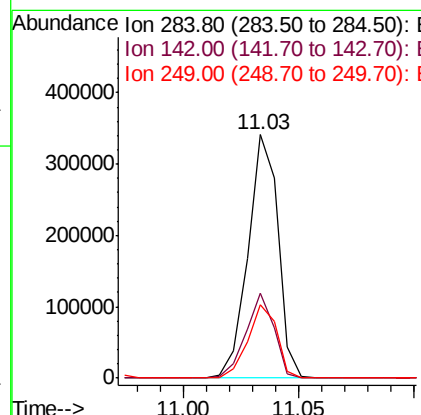
RT: 11.03 min Scan# 1521

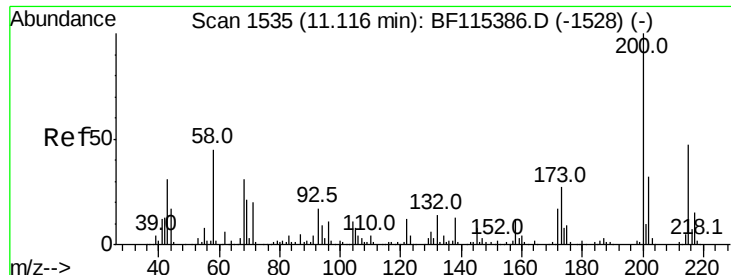
Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:	284	Resp:	309631
Ion Ratio	Lower	Upper	
284	100		
142	34.7	23.9	35.9
249	30.3	23.6	35.4





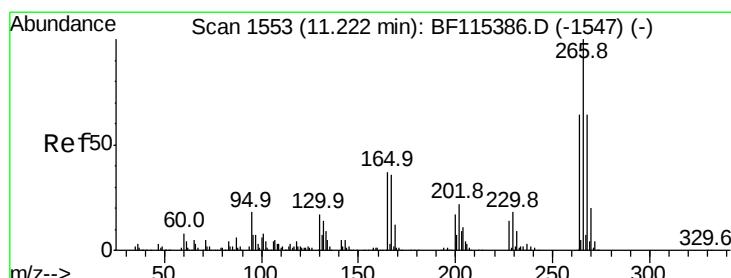
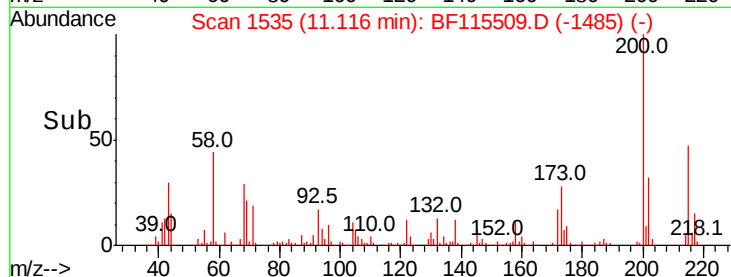
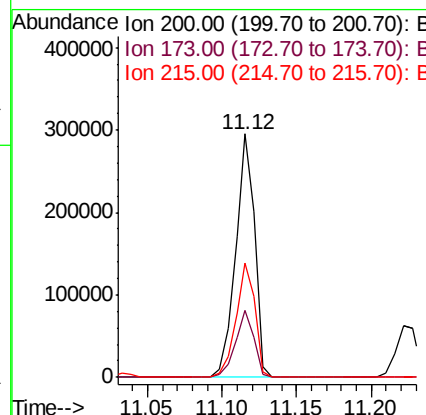
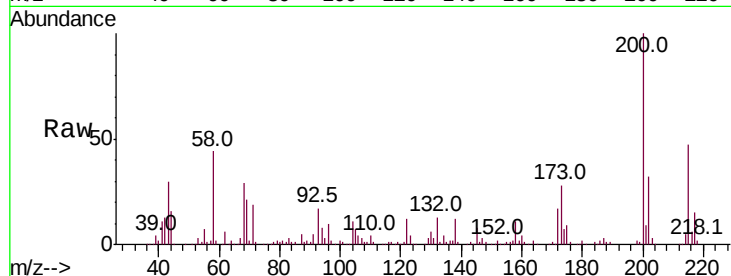
#69
Atrazine
Concen: 41.770 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	47.2	27.8	67.8

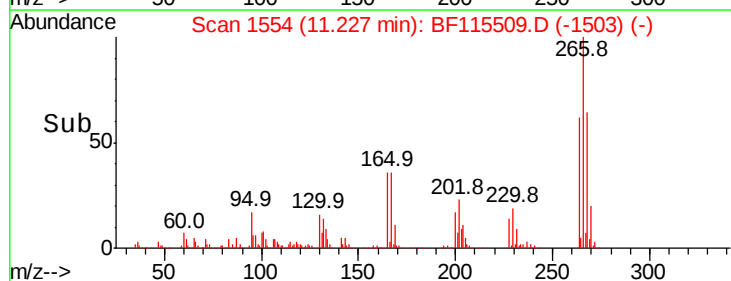
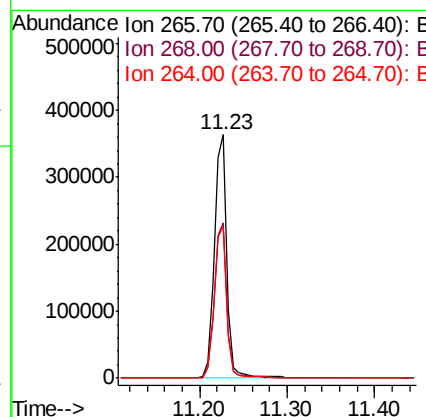
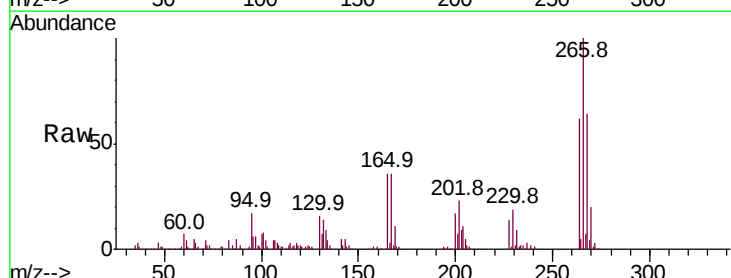
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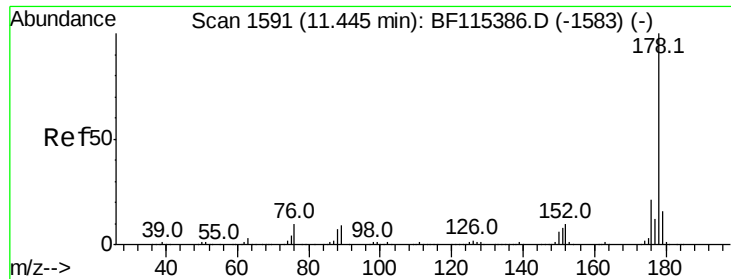
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#70
Pentachlorophenol
Concen: 71.747 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.2	76.8
264	62.3	50.6	75.8





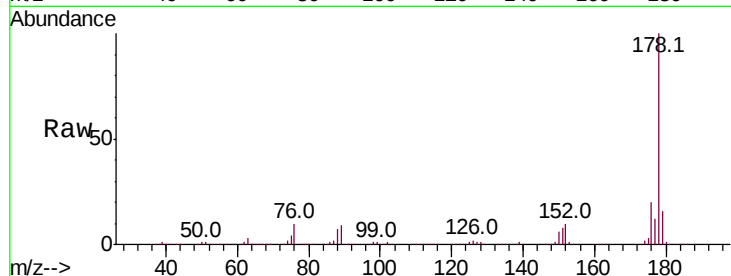
#71
Phenanthrene
Concen: 38.086 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

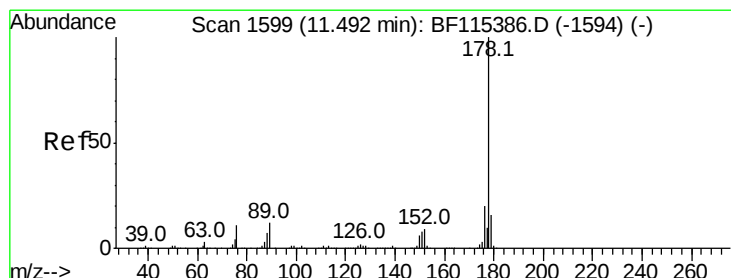
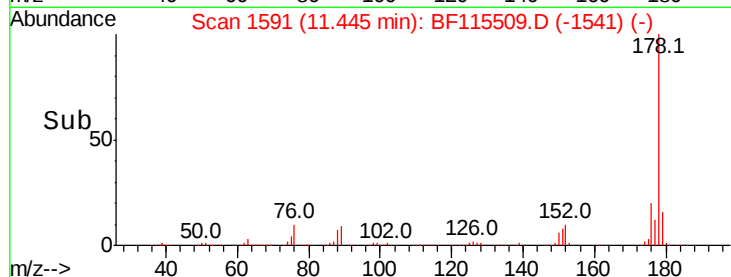
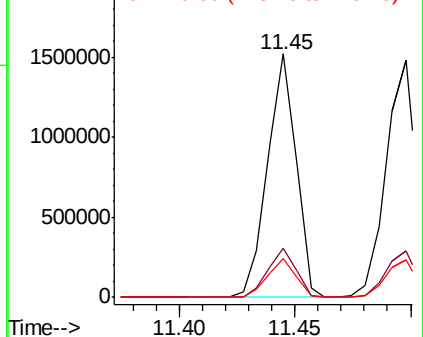
Tot Ion:178 Resp: 1311927
Ion Ratio Lower Upper
178 100
176 20.1 16.6 24.8
179 15.7 12.7 19.1

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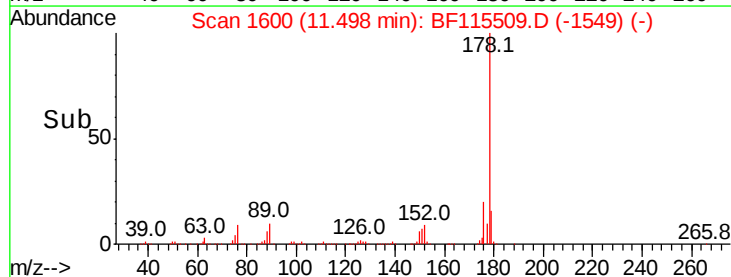
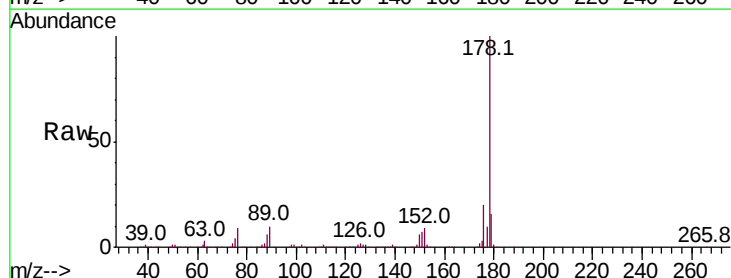
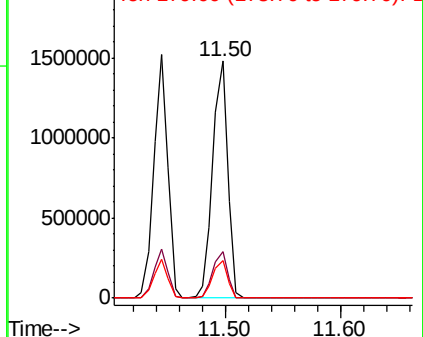
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

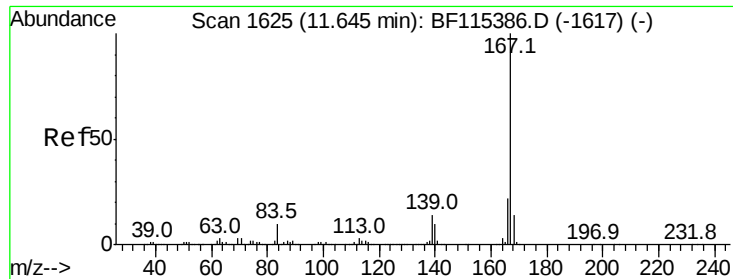


#72
Anthracene
Concen: 39.109 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:178 Resp: 1350889
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.8 13.0 19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





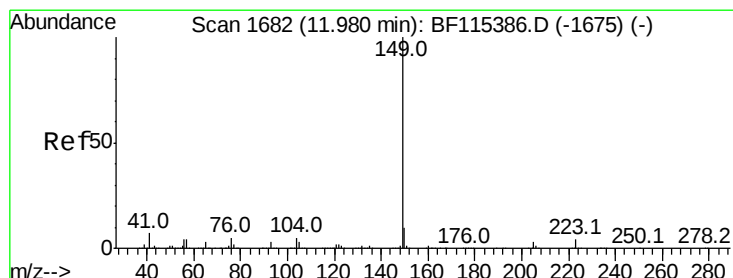
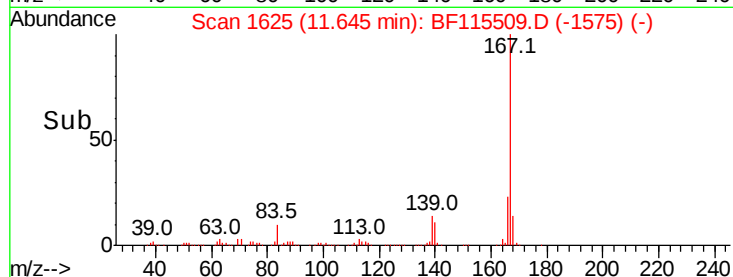
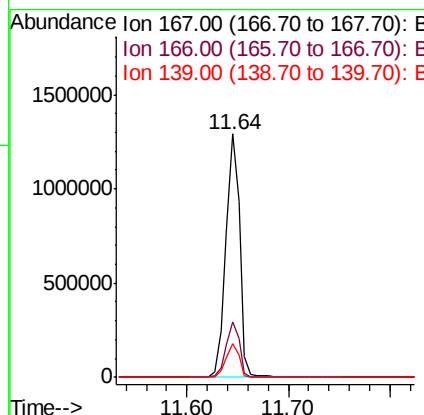
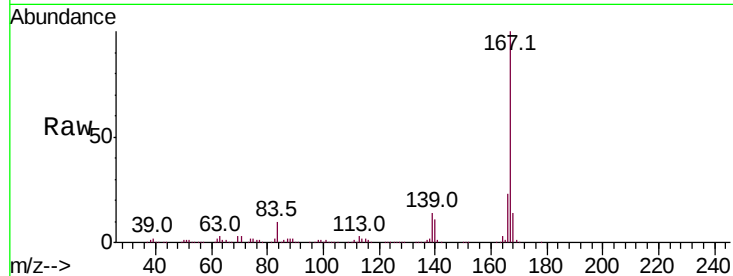
#73
 Carbazole
 Concen: 38.588 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.8
139	13.7	10.9	16.3

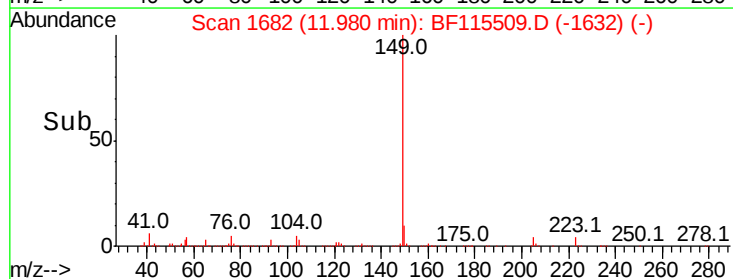
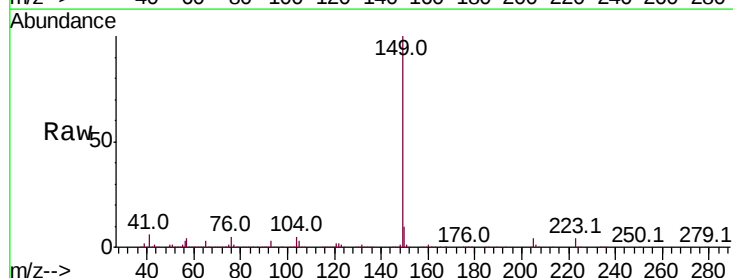
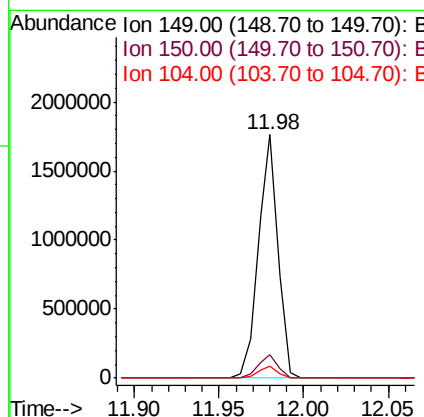
Manual Integrations
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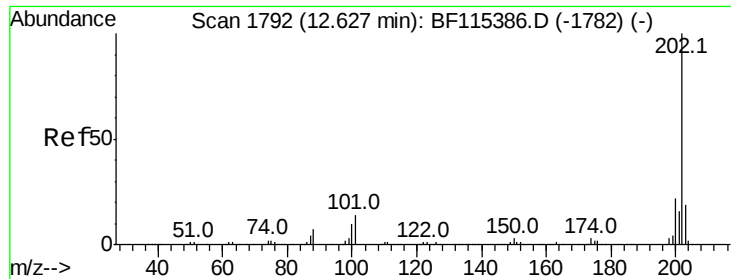
mohammad
 7/12/2019 10:37:38 PM



#74
 Di-n-butylphthalate
 Concen: 37.248 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.6	11.4
104	5.1	3.9	5.9





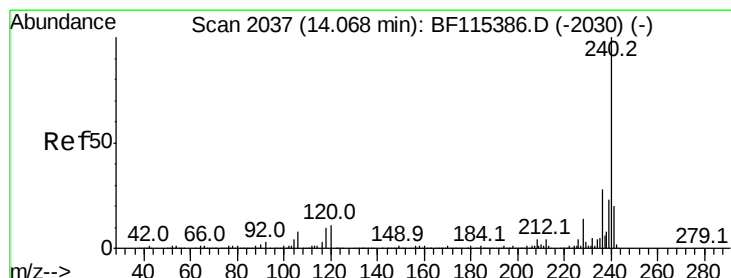
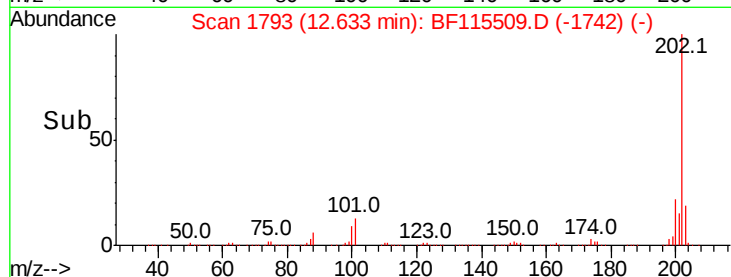
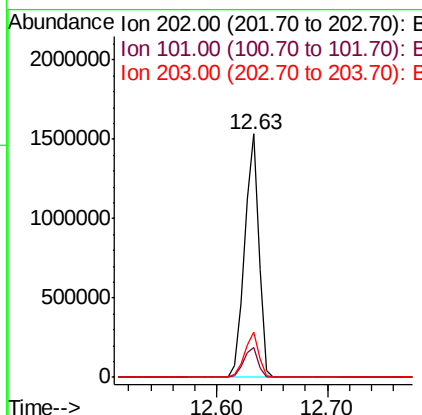
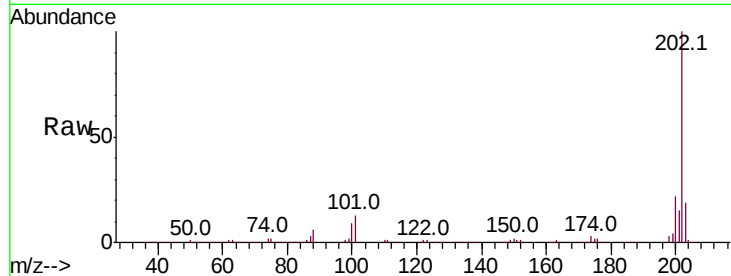
#75
Fluoranthene
Concen: 38.417 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.9
203	18.6	0.0	38.4

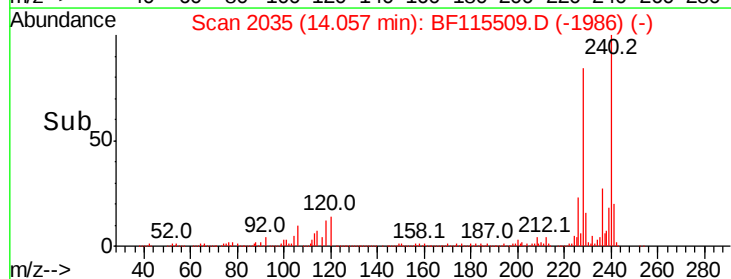
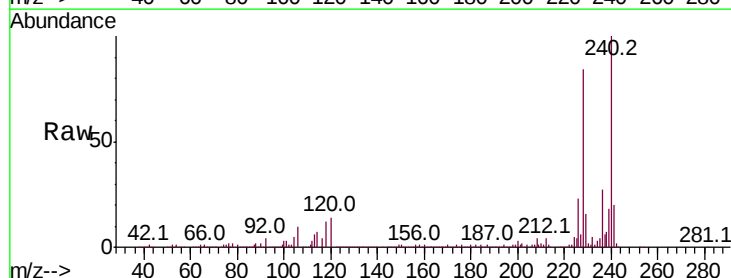
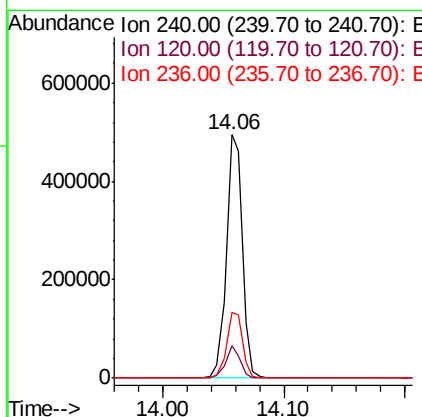
Manual Integrations
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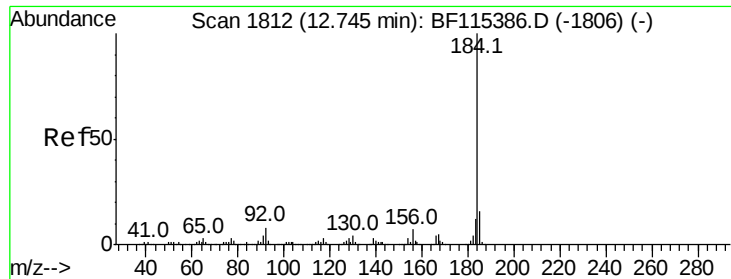
mohammad
7/12/2019 10:37:38 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.2	15.4
236	27.2	21.1	31.7





#77

Benzidine

Concen: 10.869 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

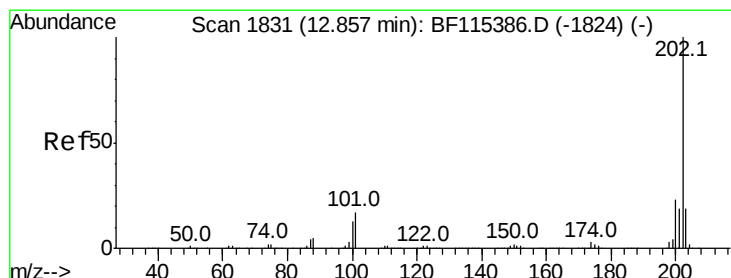
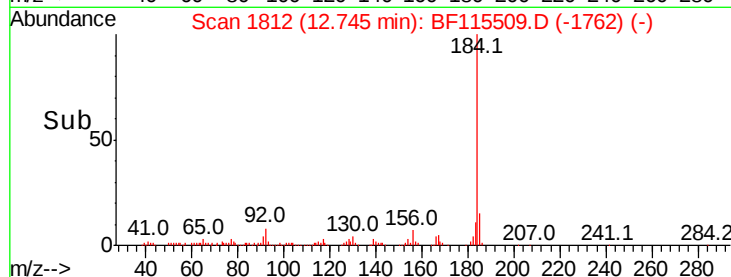
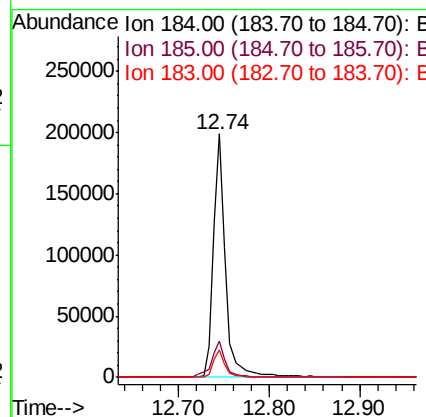
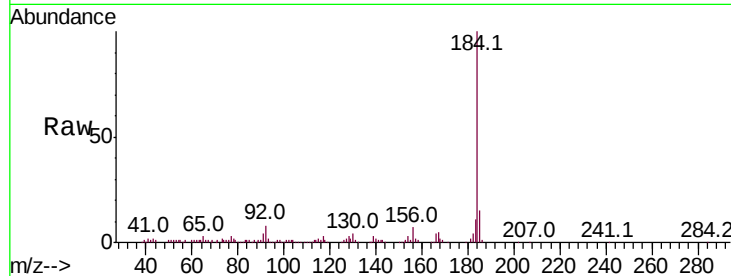
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:	184	Resp:	190882
Ion	Ratio	Lower	Upper
184	100		
185	14.8	13.0	19.6
183	11.3	9.7	14.5

Manual Integrations
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#78

Pyrene

Concen: 40.399 ng

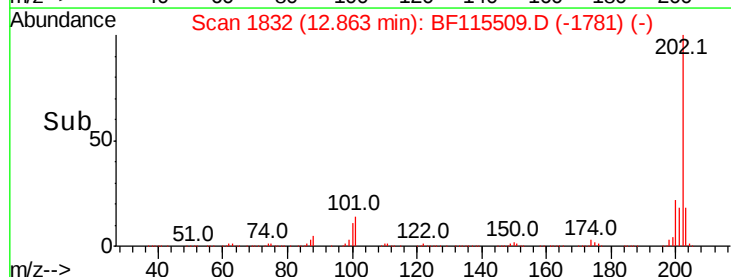
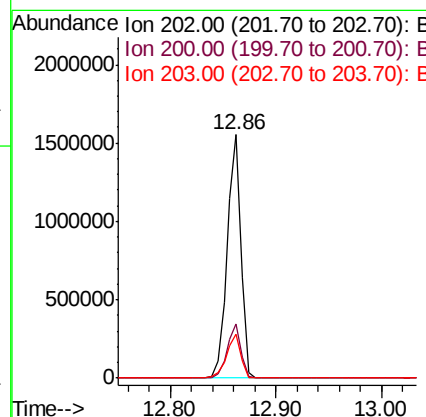
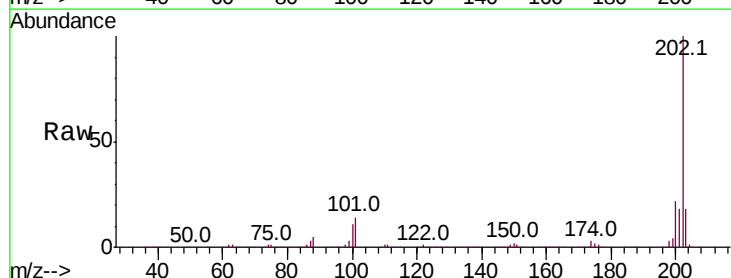
RT: 12.86 min Scan# 1832

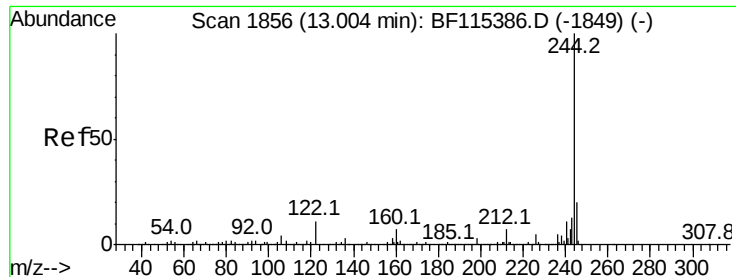
Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:	202	Resp:	1414864
Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	17.9	14.7	22.1





#79

Terphenyl-d14

Concen: 88.739 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:244 Resp: 1951871

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

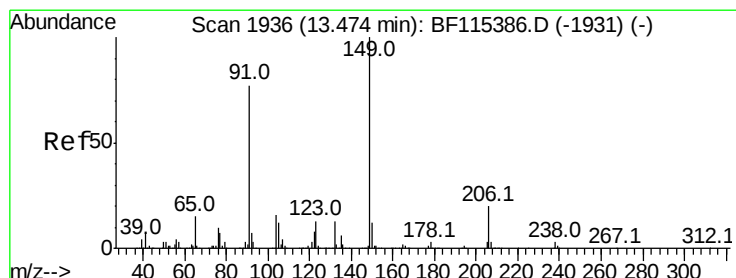
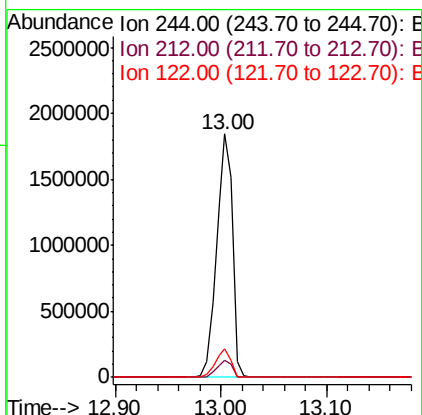
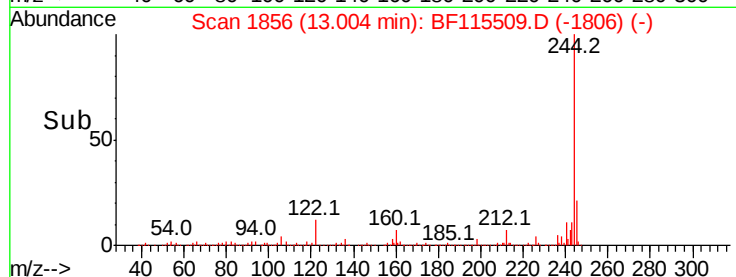
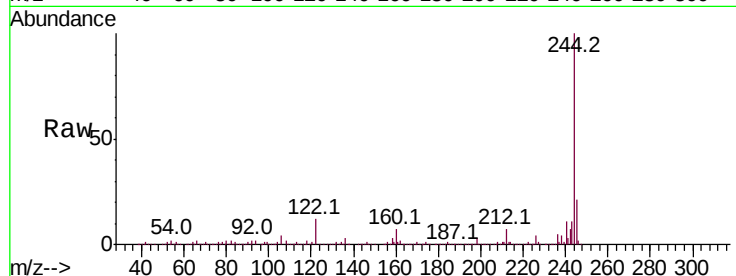
122 11.8 9.1 13.7

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#80

Butylbenzylphthalate

Concen: 40.912 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

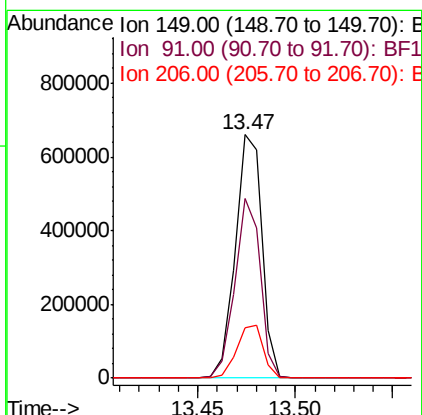
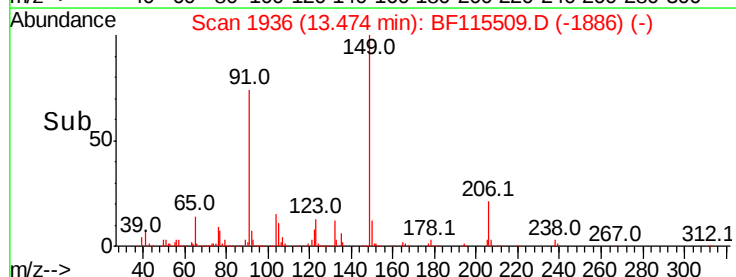
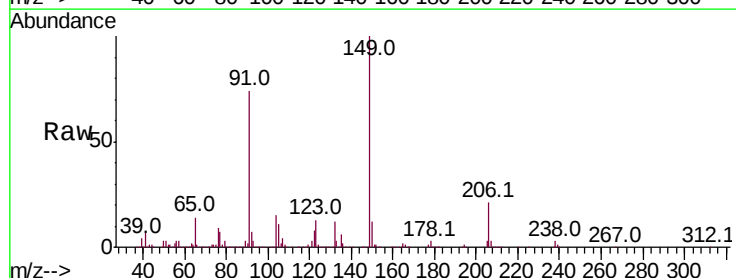
Tgt Ion:149 Resp: 626031

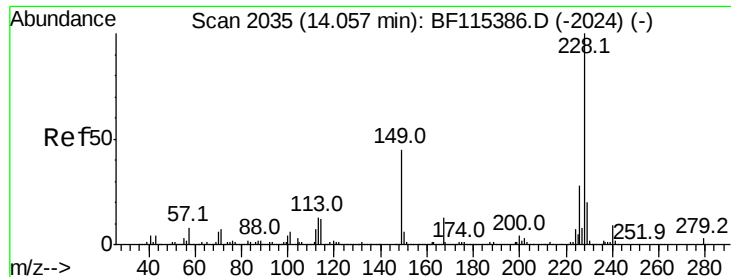
Ion Ratio Lower Upper

149 100

91 73.6 57.8 86.6

206 20.6 16.9 25.3





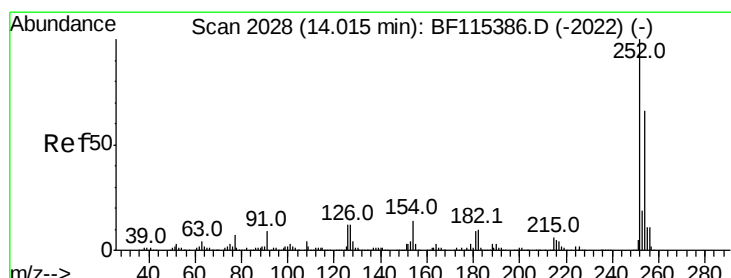
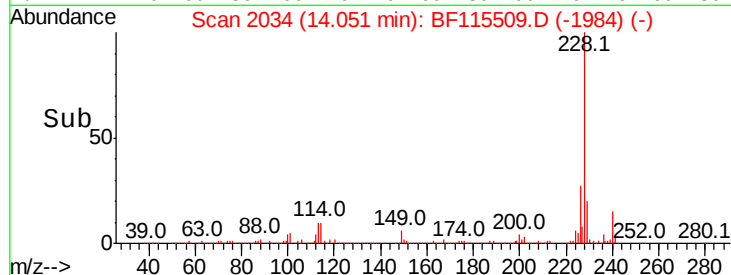
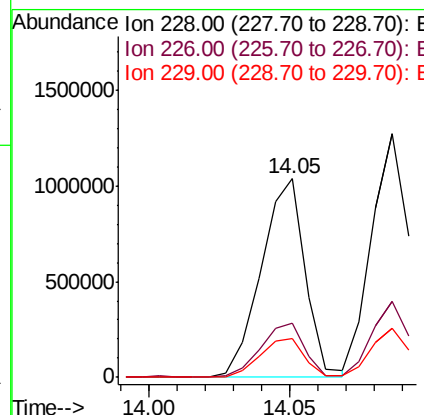
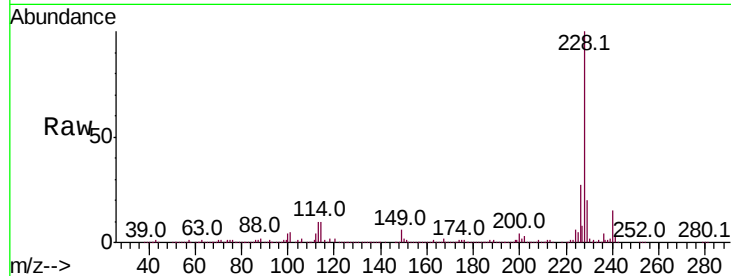
#81
Benzo(a)anthracene
Concen: 38.880 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	34.0
229	19.8	16.4	24.6

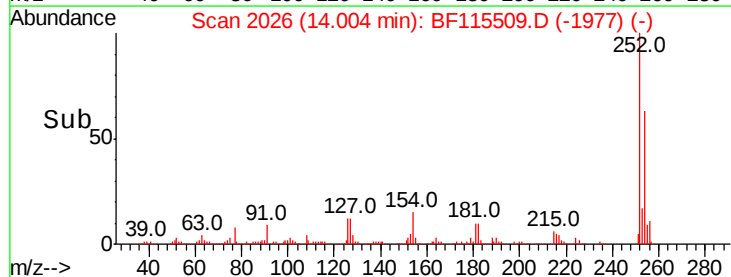
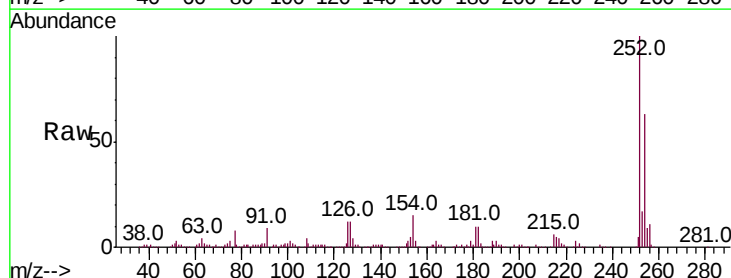
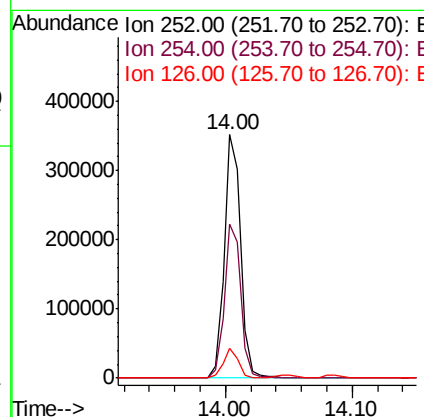
Manual Integrations
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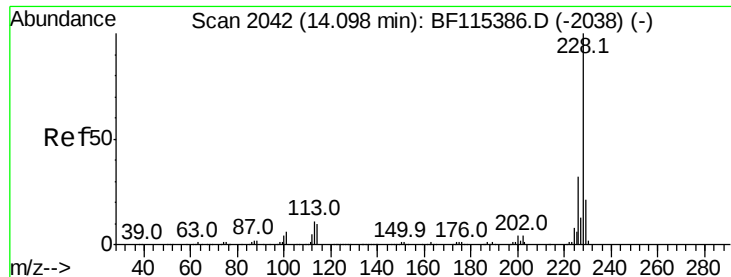
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 30.681 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.0	52.9	79.3
126	12.3	10.0	15.0





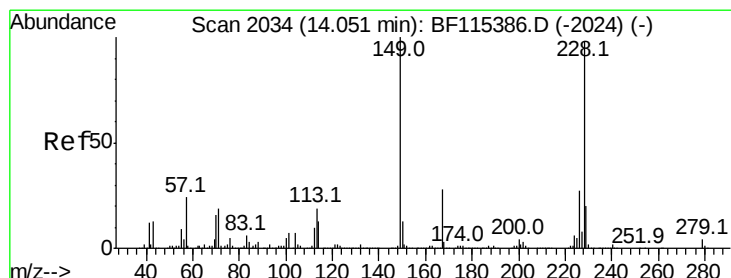
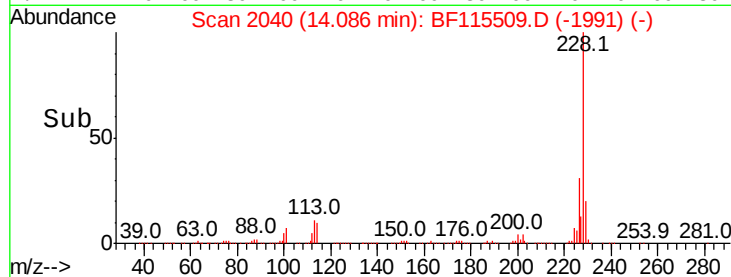
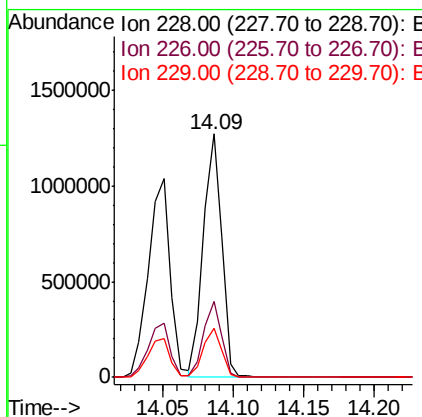
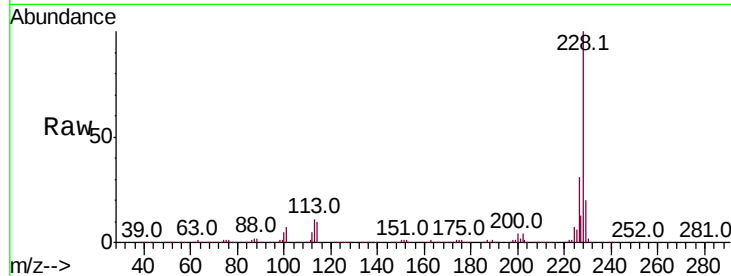
#83
 Chrysene
 Concen: 39.008 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.1	37.7
229	20.2	16.1	24.1

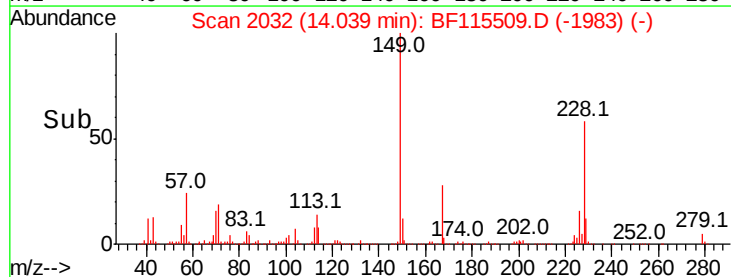
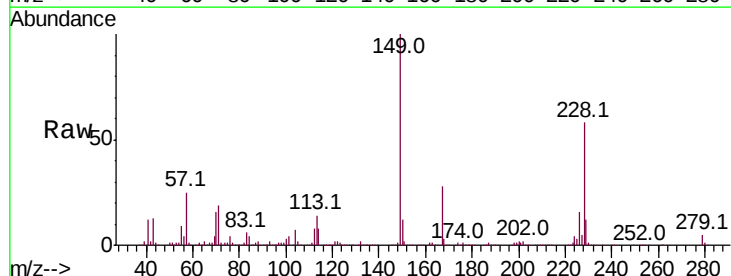
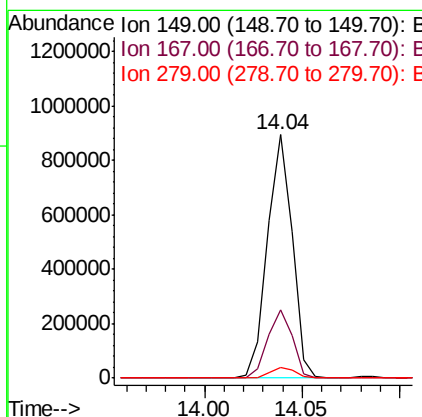
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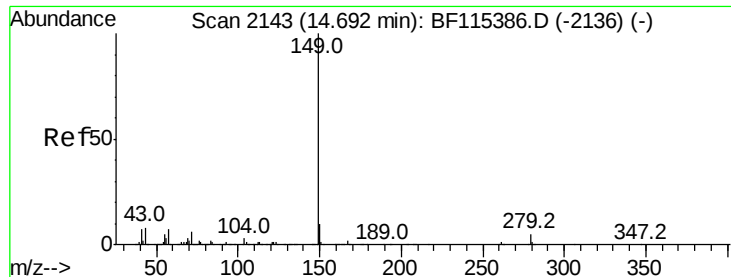
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.622 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.6	34.0
279	4.5	3.8	5.6





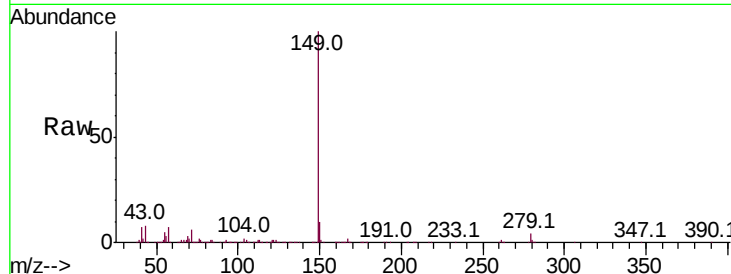
#85
Di-n-octyl phthalate
Concen: 39.580 ng
RT: 14.65 min Scan# 2136
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

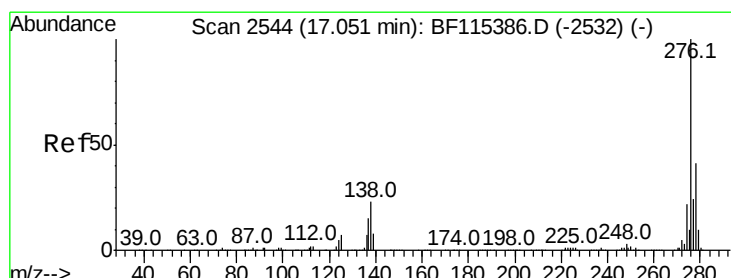
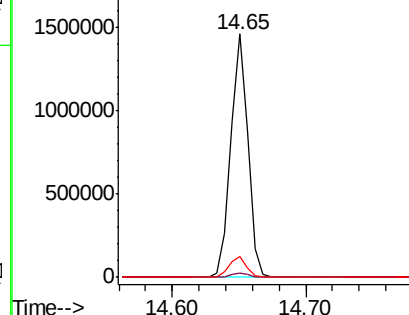
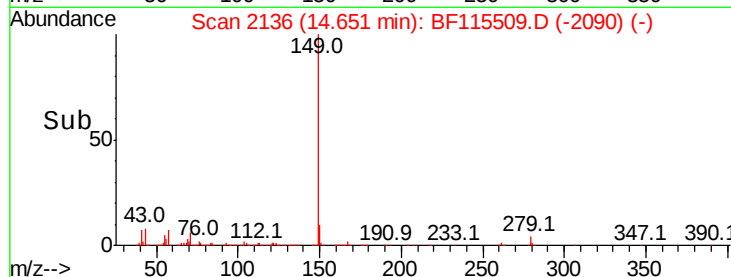
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	7.0	10.6

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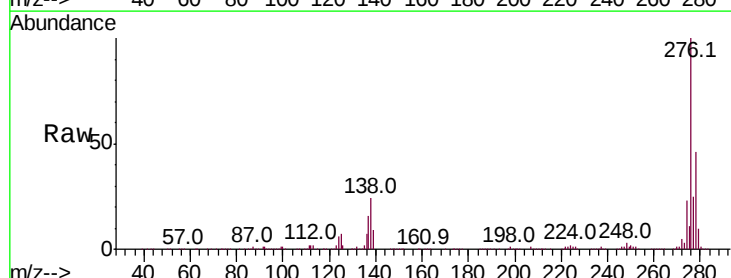


Abundance Ion 149.00 (148.70 to 149.70): E
2000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

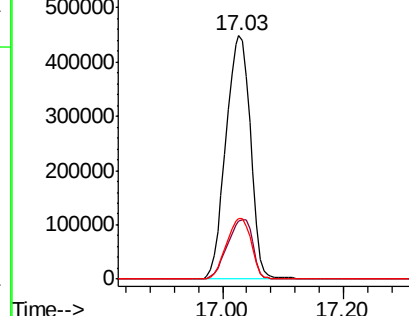
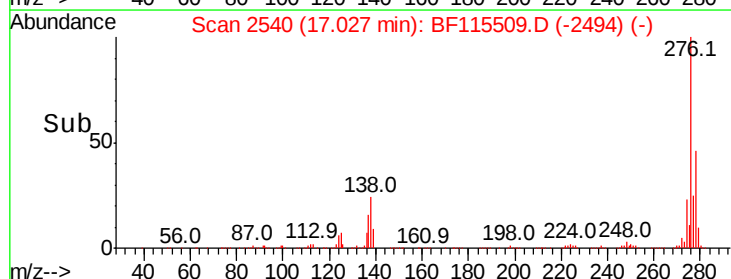


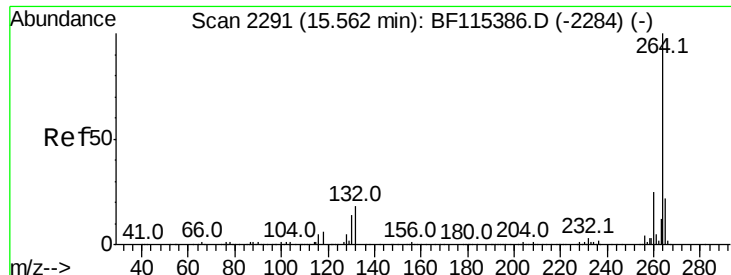
#86
Indeno(1,2,3-cd)pyrene
Concen: 53.621 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.6	31.0
277	25.4	20.2	30.2



Abundance Ion 276.00 (275.70 to 276.70): E
600000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.03 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

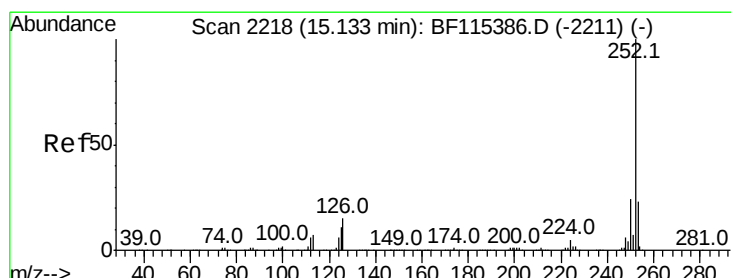
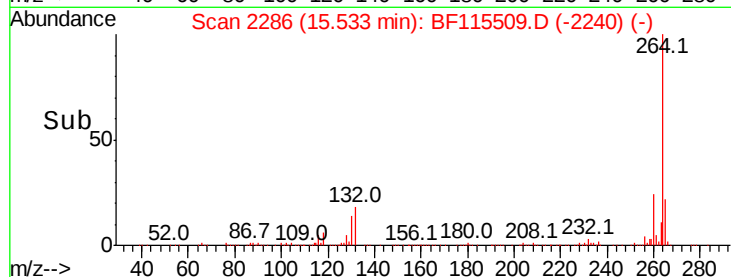
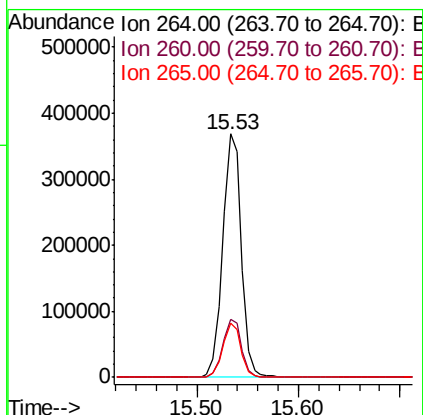
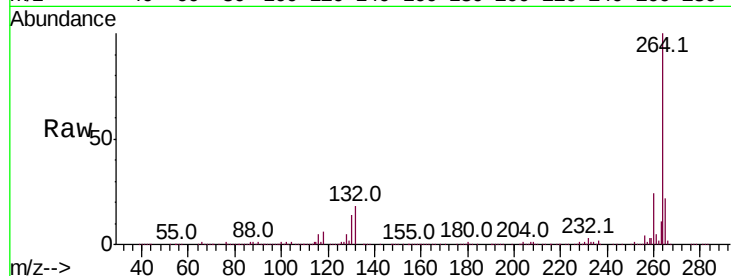
ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:	264	Resp:	468224
Ion Ratio	Lower	Upper	
264	100		
260	24.1	20.1	30.1
265	22.1	17.8	26.6

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#88

Benzo(b)fluoranthene

Concen: 34.472 ng

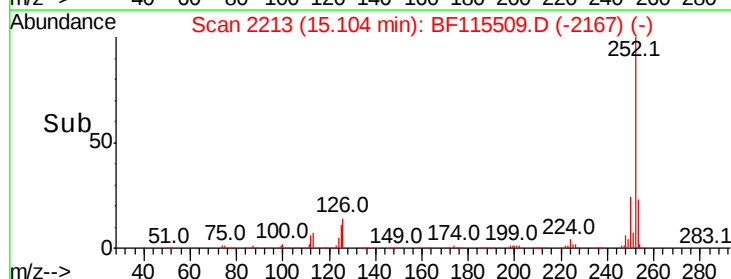
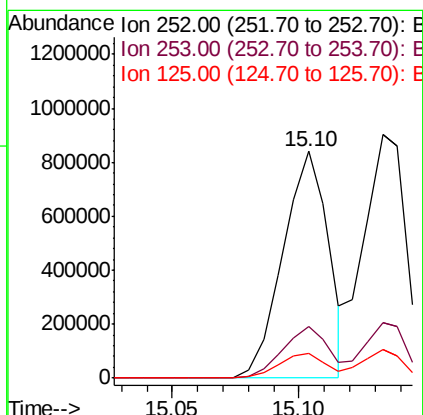
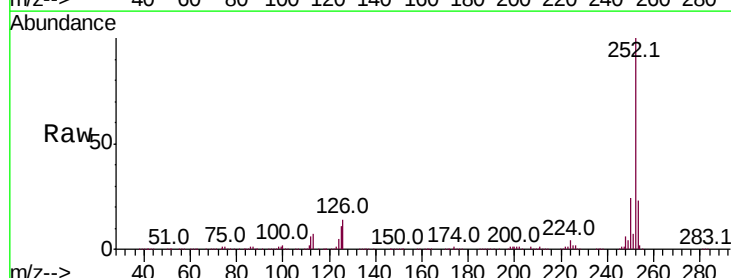
RT: 15.10 min Scan# 2213

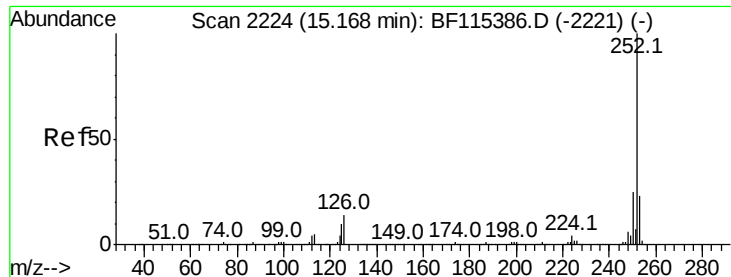
Delta R.T. -0.03 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:	252	Resp:	1050906
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	11.1	8.5	12.7





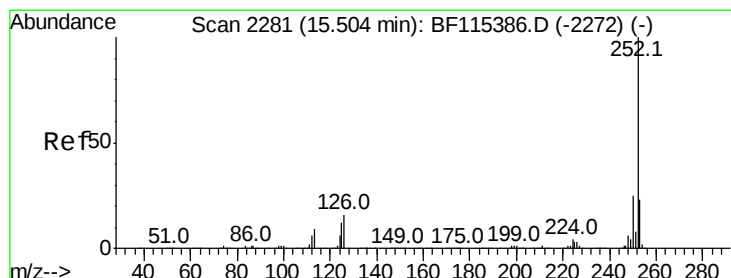
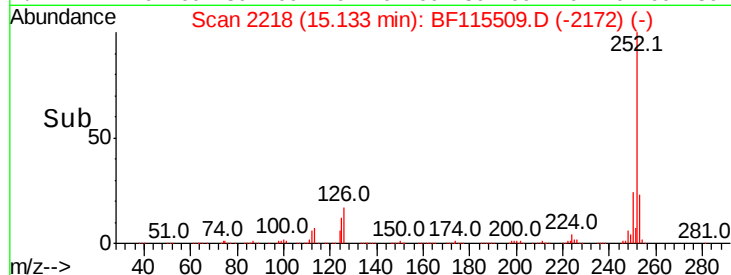
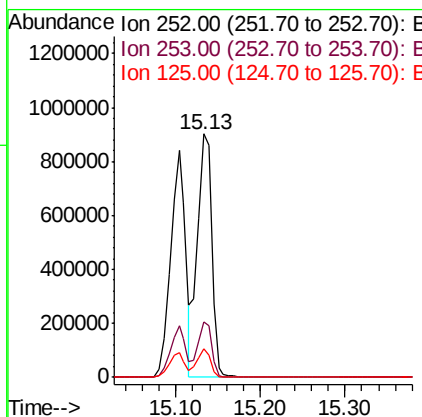
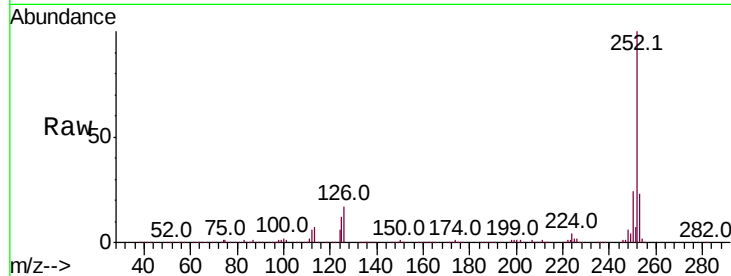
#89
Benzo(k)fluoranthene
Concen: 39.006 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:252 Resp: 1057534
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.6 8.6 13.0

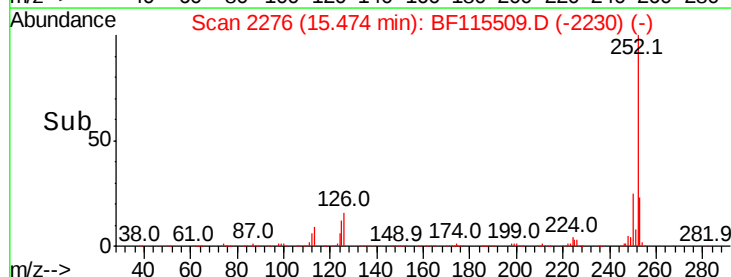
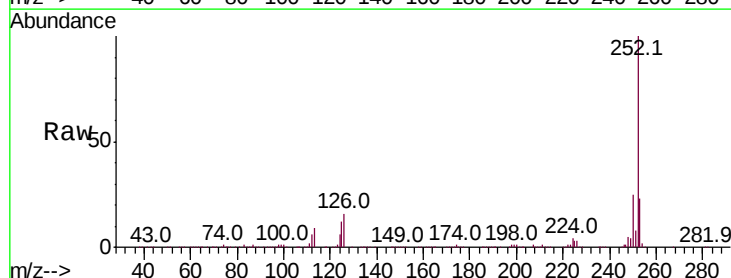
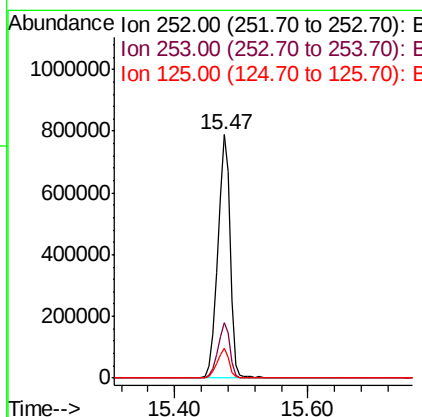
Manual Integrations
APPROVED

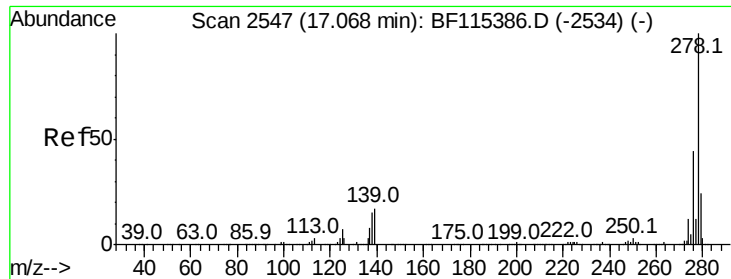
mohammad
7/12/2019 10:37:38 PM



#90
Benzo(a)pyrene
Concen: 39.424 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:252 Resp: 1036627
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 12.2 9.7 14.5





#91
Dibenzo(a,h)anthracene
Concen: 46.997 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.04 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

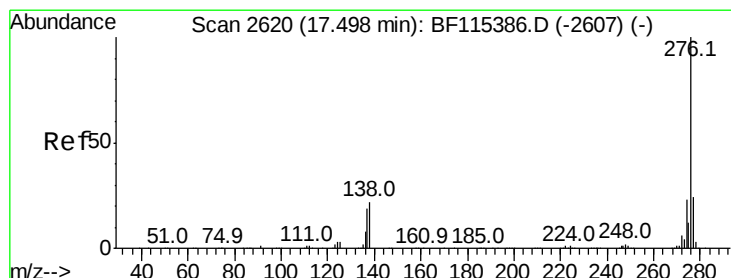
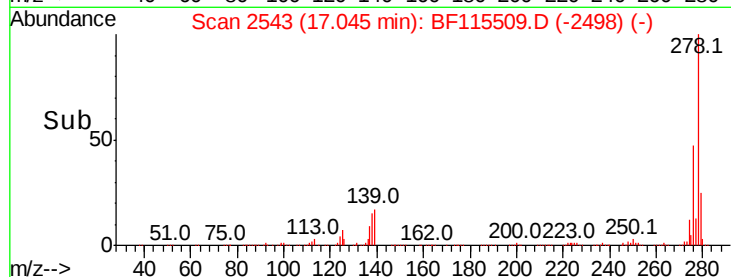
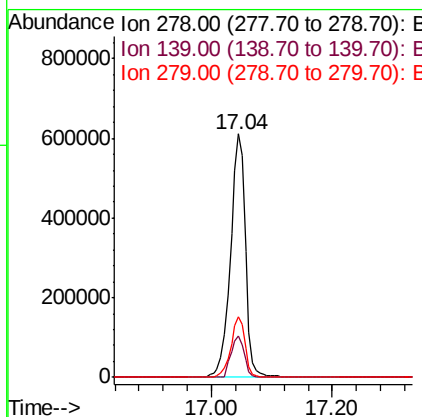
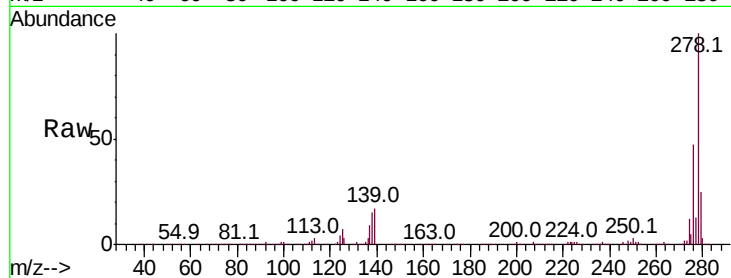
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:278 Resp: 1055966

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.0	19.6
279	24.8	19.4	29.2

Manual Integrations
APPROVED

mohammad
7/12/2019 10:37:38 PM



#92
Benzo(g,h,i)perylene
Concen: 50.942 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:276 Resp: 1083393

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	22.5	17.8	26.8

