

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115508.D
 Acq On : 11 Jul 2019 21:35
 Operator : HP/JU
 Sample : K3751-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Manual Integrations
 APPROVED

mohammad
 7/12/2019 10:37:35 PM

Quant Time: Jul 12 05:48:20 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	138895	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	550586	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	281698	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	581652	20.00	ng	0.00
76) Chrysene-d12	14.06	240	434917	20.00	ng	-0.01
87) Perylene-d12	15.53	264	431672	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1016507	113.07	ng	0.00
7) Phenol-d6	6.52	99	1342574	117.43	ng	0.00
23) Nitrobenzene-d5	7.46	82	833731	89.47	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	417276	133.97	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1484941	92.50	ng	0.00
79) Terphenyl-d14	13.00	244	1825085	85.92	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	135945	30.830	ng	99
3) Pyridine	3.49	79	166990	13.696	ng	98
4) n-Nitrosodimethylamine	3.42	42	145241	29.375	ng	100
6) Aniline	6.56	93	343912	21.316	ng	99
8) 2-Chlorophenol	6.68	128	369372	36.388	ng	97
9) Benzaldehyde	6.44	77	198691	28.239	ng	99
10) Phenol	6.53	94	478950	35.012	ng	99
11) bis(2-Chloroethyl)ether	6.63	93	344189	33.917	ng	98
12) 1,3-Dichlorobenzene	6.84	146	393685	35.400	ng	98
13) 1,4-Dichlorobenzene	6.91	146	399935	35.902	ng	99
14) 1,2-Dichlorobenzene	7.07	146	376396	36.495	ng	98
15) Benzyl Alcohol	7.03	79	330999	36.078	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	455545	32.104	ng	99
17) 2-Methylphenol	7.14	107	316835	36.433	ng	100
18) Hexachloroethane	7.41	117	143597	34.603	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	256165	33.118	ng	96
20) 3+4-Methylphenols	7.29	107	387274	37.701	ng	97
22) Acetophenone	7.30	105	505220	38.294	ng	# 99
24) Nitrobenzene	7.47	77	397978	37.815	ng	99
25) Isophorone	7.71	82	720263	35.659	ng	98
26) 2-Nitrophenol	7.79	139	203066	46.933	ng	94
27) 2,4-Dimethylphenol	7.83	122	330361	40.042	ng	97
28) bis(2-Chloroethoxy)methane	7.92	93	441582	35.453	ng	99
29) 2,4-Dichlorophenol	8.03	162	326011	39.673	ng	99
30) 1,2,4-Trichlorobenzene	8.12	180	351890	38.465	ng	98
31) Naphthalene	8.20	128	1067798	39.045	ng	100
32) Benzoic acid	7.91	122	91108	19.292	ng	98
33) 4-Chloroaniline	8.24	127	173240	14.198	ng	97
34) Hexachlorobutadiene	8.32	225	194636	37.516	ng	100
35) Caprolactam	8.60	113	118751m	44.370	ng	
36) 4-Chloro-3-methylphenol	8.72	107	346720	39.890	ng	97
37) 2-Methylnaphthalene	8.89	142	722119	39.505	ng	99
38) 1-Methylnaphthalene	8.99	142	676568	38.792	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	323489	39.917	ng	99

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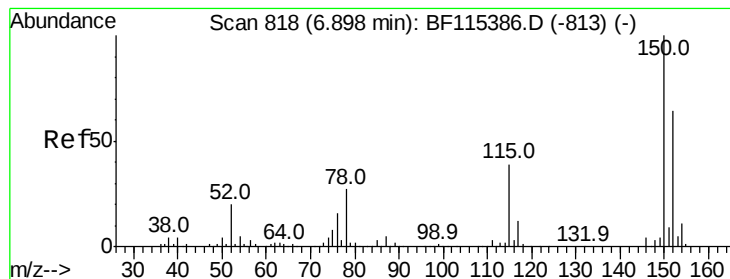
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	351553	74.845	ng	99
43) 2,4,6-Trichlorophenol	9.17	196	235302	39.882	ng	96
44) 2,4,5-Trichlorophenol	9.20	196	251813	41.160	ng	96
46) 1,1'-Biphenyl	9.36	154	890177	40.196	ng	98
47) 2-Chloronaphthalene	9.38	162	709630	38.771	ng	99
48) 2-Nitroaniline	9.47	65	213668	39.734	ng	99
49) Acenaphthylene	9.80	152	1087423	39.241	ng	98
50) Dimethylphthalate	9.65	163	1081987	51.174	ng	100
51) 2,6-Dinitrotoluene	9.71	165	193772	42.257	ng	99
52) Acenaphthene	9.97	154	732405	41.995	ng	99
53) 3-Nitroaniline	9.87	138	156872	29.455	ng	96
54) 2,4-Dinitrophenol	9.98	184	139392	71.614	ng	88
55) Dibenzofuran	10.14	168	989143	40.262	ng	99
56) 4-Nitrophenol	10.04	139	359420	87.227	ng	95
57) 2,4-Dinitrotoluene	10.12	165	260449	44.692	ng	89
58) Fluorene	10.48	166	736824	38.046	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.26	232	218228	41.292	ng	100
60) Diethylphthalate	10.36	149	803043	38.587	ng	100
61) 4-Chlorophenyl-phenylether	10.47	204	372734	39.433	ng	94
62) 4-Nitroaniline	10.49	138	219908	42.066	ng	99
63) Azobenzene	10.63	77	790853	36.865	ng	98
65) 4,6-Dinitro-2-methylphenol	10.52	198	127743	46.216	ng	99
66) n-Nitrosodiphenylamine	10.59	169	690212	37.661	ng	99
67) 4-Bromophenyl-phenylether	10.96	248	240983	36.923	ng	98
68) Hexachlorobenzene	11.03	284	272718	37.238	ng	97
69) Atrazine	11.12	200	235299	41.486	ng	100
70) Pentachlorophenol	11.22	266	327249	73.321	ng	99
71) Phenanthrene	11.45	178	1169527	38.232	ng	99
72) Anthracene	11.50	178	1225684	39.957	ng	99
73) Carbazole	11.65	167	1115967	39.766	ng	99
74) Di-n-butylphthalate	11.98	149	1277799	37.676	ng	100
75) Fluoranthene	12.63	202	1293470	40.158	ng	97
77) Benzidine	12.75	184	173860	10.251	ng	97
78) Pyrene	12.86	202	1329700	39.316	ng	99
80) Butylbenzylphthalate	13.47	149	567046	38.373	ng	98
81) Benzo(a)anthracene	14.05	228	1083752	38.891	ng	98
82) 3,3'-Dichlorobenzidine	14.00	252	310603	30.718	ng	97
83) Chrysene	14.09	228	1111729	38.828	ng	99
84) Bis(2-ethylhexyl)phthalate	14.04	149	737587	40.305	ng	99
85) Di-n-octyl phthalate	14.65	149	1261478	38.721	ng	99
86) Indeno(1,2,3-cd)pyrene	17.03	276	1135166	48.920	ng	100
88) Benzo(b)fluoranthene	15.10	252	1022362	36.376	ng	99
89) Benzo(k)fluoranthene	15.13	252	1002589	40.111	ng	99
90) Benzo(a)pyrene	15.47	252	968748	39.963	ng	99
91) Dibenzo(a,h)anthracene	17.04	278	936084	45.189	ng	99
92) Benzo(g,h,i)perylene	17.47	276	958561	48.889	ng	99

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



#1

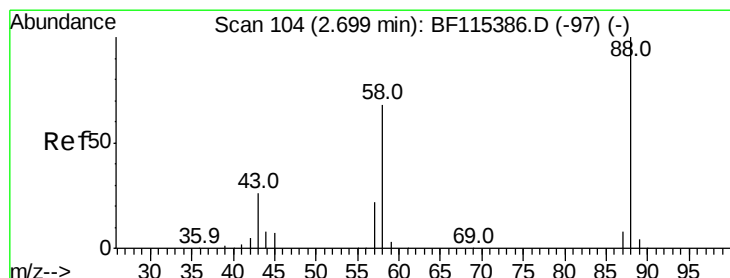
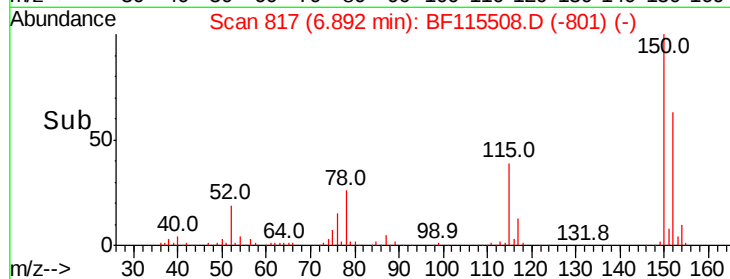
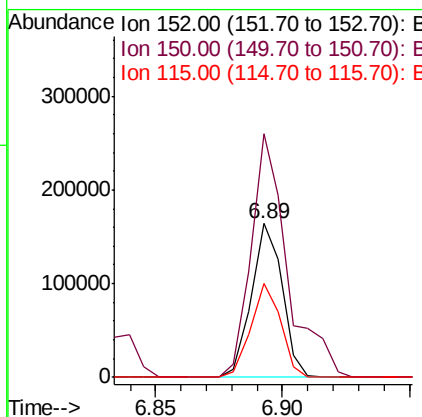
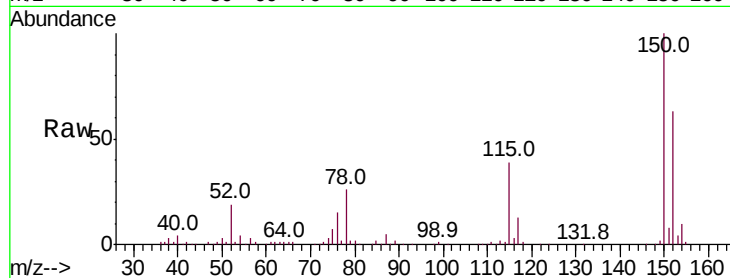
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	127.4	191.2
115	61.4	46.2	69.4

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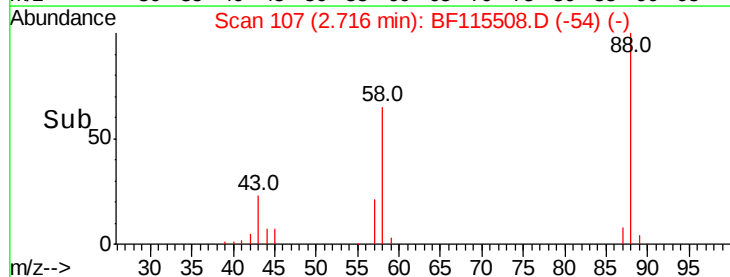
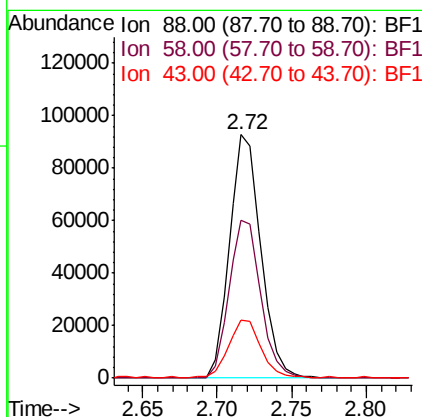
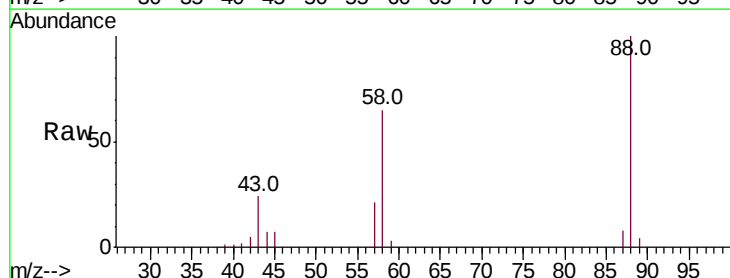
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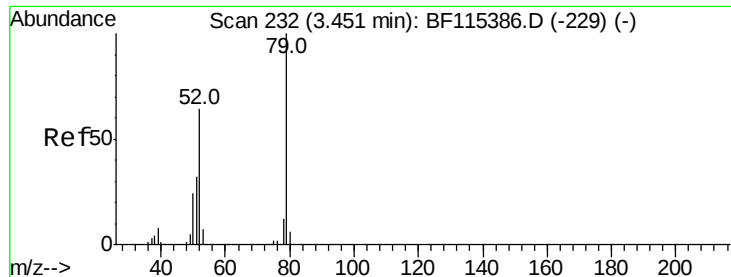


#2

1,4-Dioxane
Concen: 30.830 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.4	52.5	78.7
43	25.3	19.0	28.6





#3

Pvridine

Concen: 13.696 ng

RT: 3.49 min Scan# 239

Delta R.T. 0.03 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

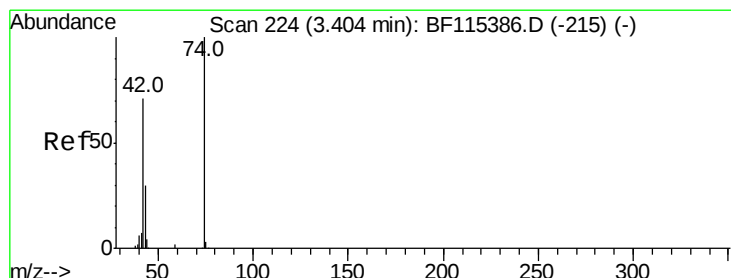
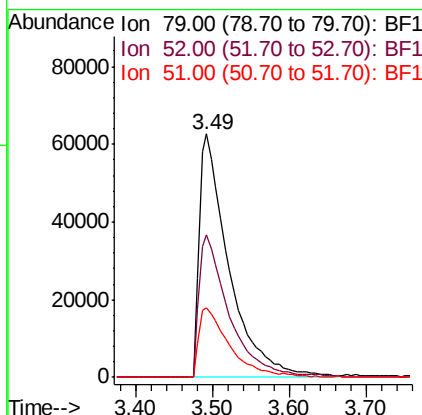
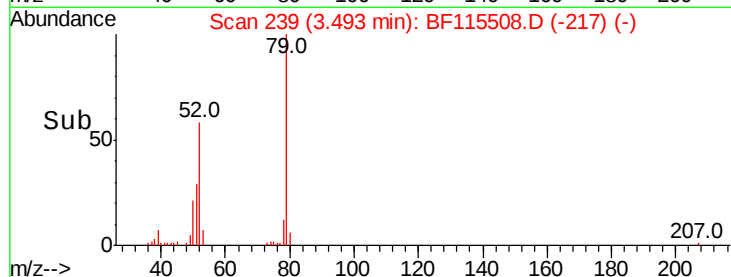
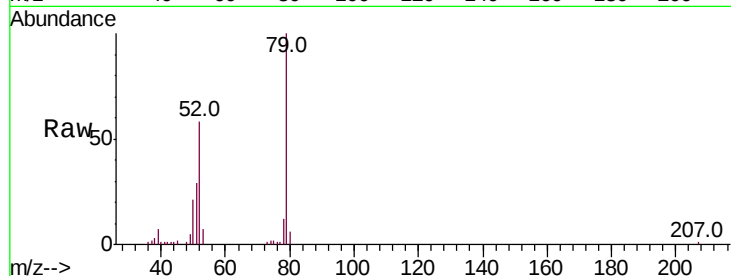
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:	79	Resp:	166990
Ion Ratio	Lower	Upper	
79	100		
52	58.3	48.2	72.2
51	28.8	23.2	34.8

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 29.375 ng

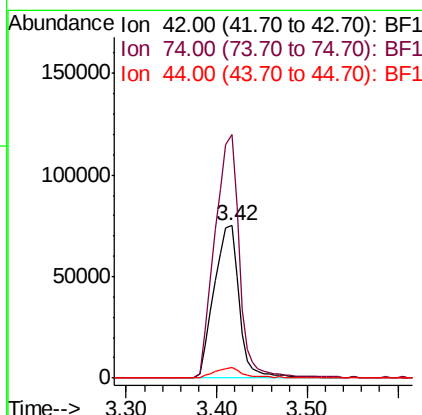
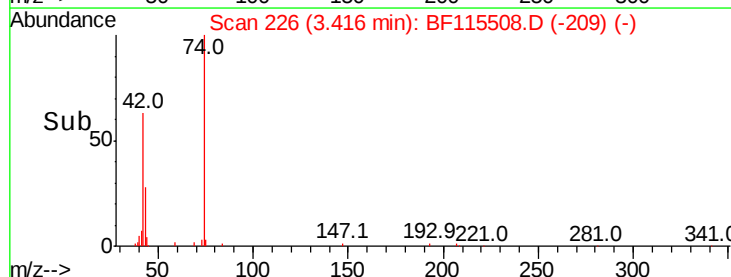
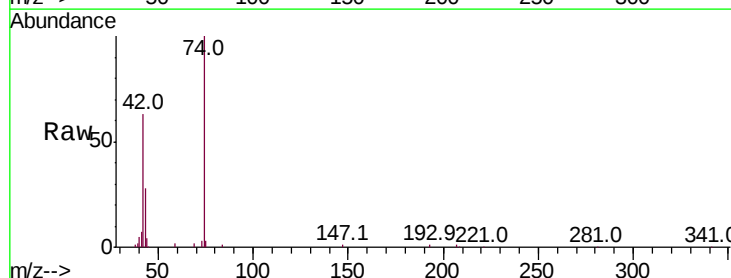
RT: 3.42 min Scan# 226

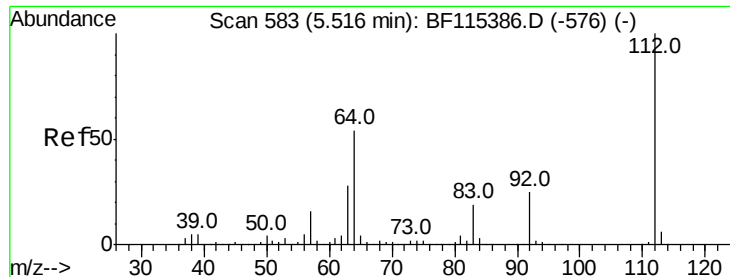
Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion:	42	Resp:	145241
Ion Ratio	Lower	Upper	
42	100		
74	160.0	128.5	192.7
44	6.9	5.3	7.9





#5

2-Fluorophenol

Concen: 113.073 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:112 Resp: 1016507

Ion Ratio Lower Upper

112 100

64 57.2 44.2 66.2

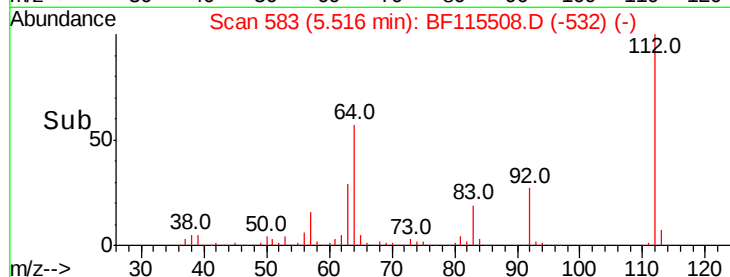
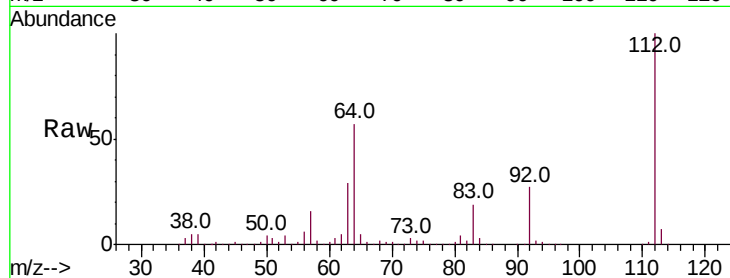
63 28.9 22.1 33.1

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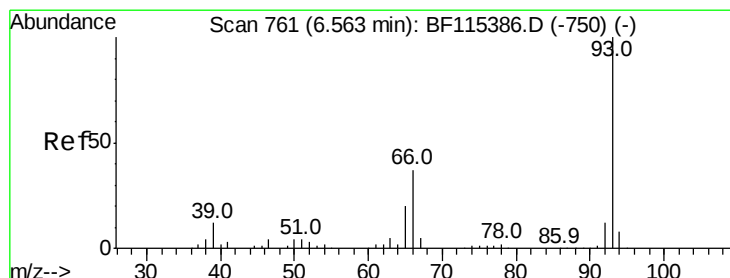
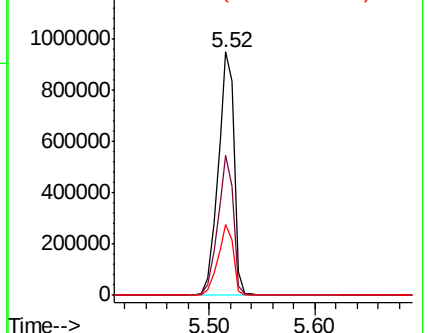
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 21.316 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

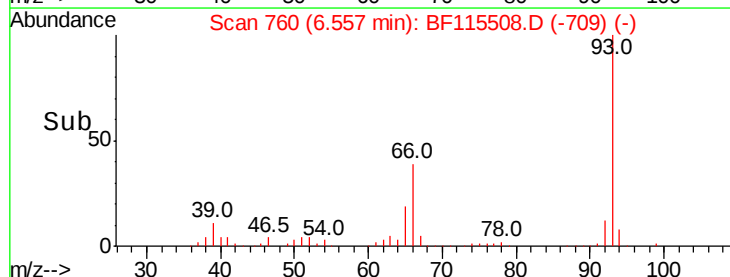
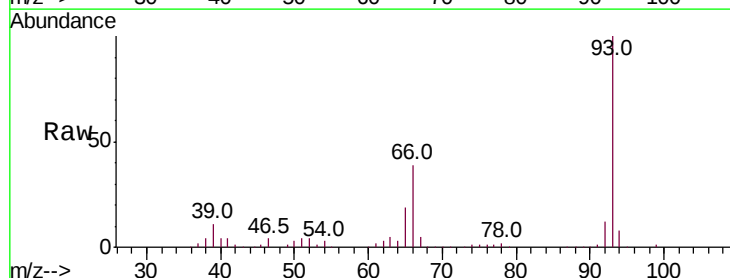
Tgt Ion: 93 Resp: 343912

Ion Ratio Lower Upper

93 100

66 38.6 31.3 46.9

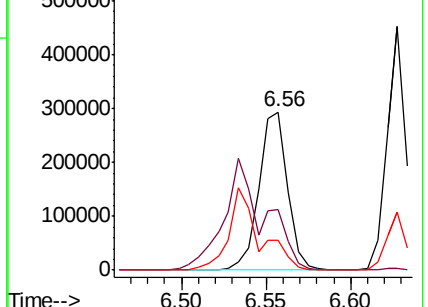
65 18.9 15.9 23.9

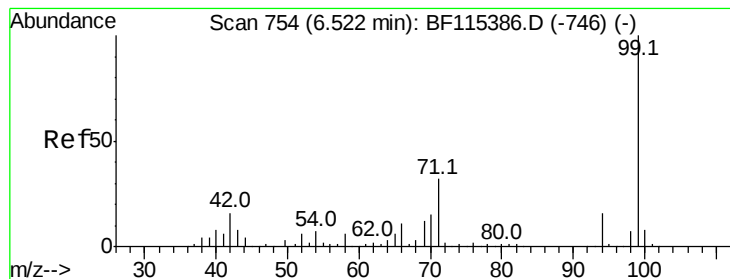


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.428 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion: 99 Resp: 1342574

Ion Ratio Lower Upper

99 100

42 15.8 12.8 19.2

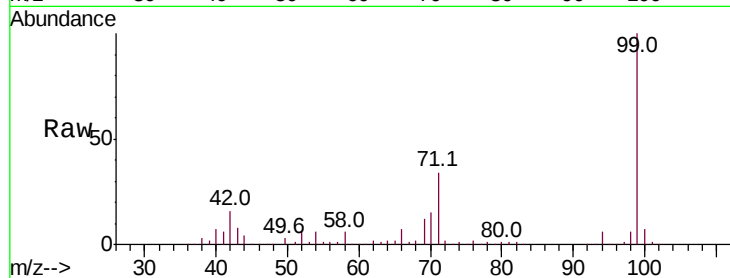
71 33.8 26.5 39.7

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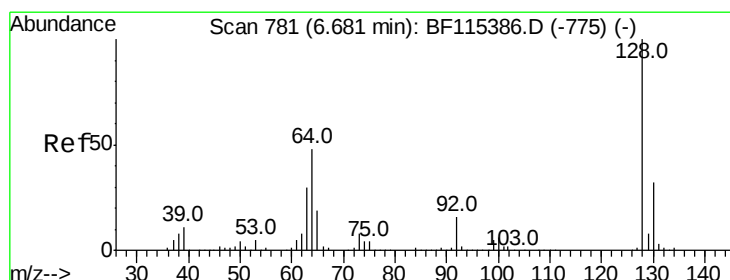
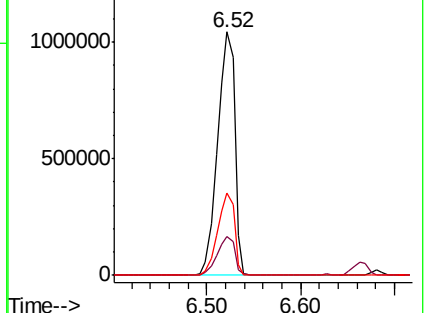
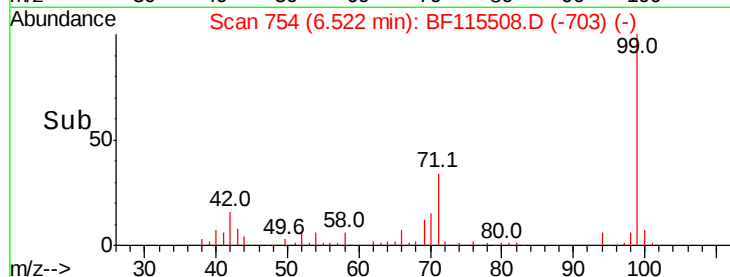
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 36.388 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

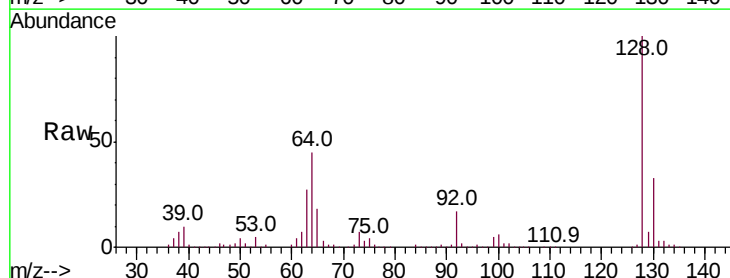
Tgt Ion:128 Resp: 369372

Ion Ratio Lower Upper

128 100

130 33.4 11.8 51.8

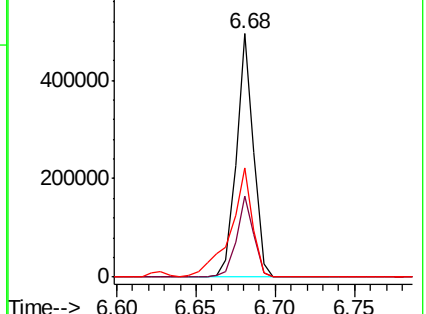
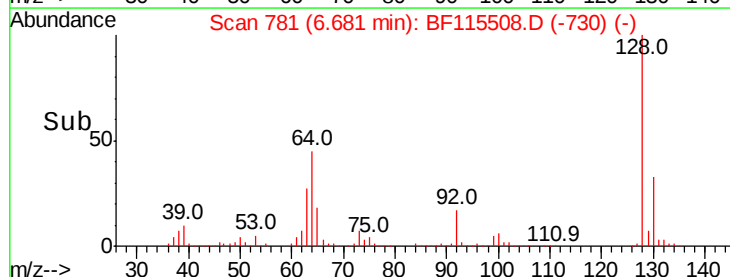
64 44.9 27.0 67.0

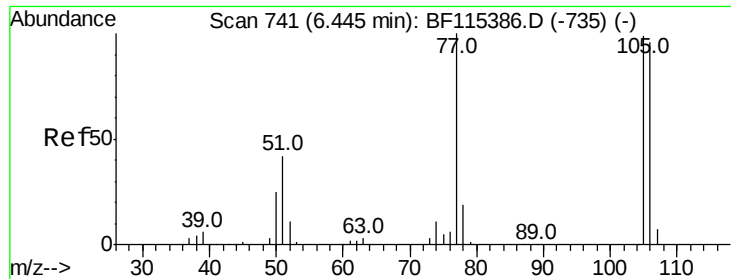


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





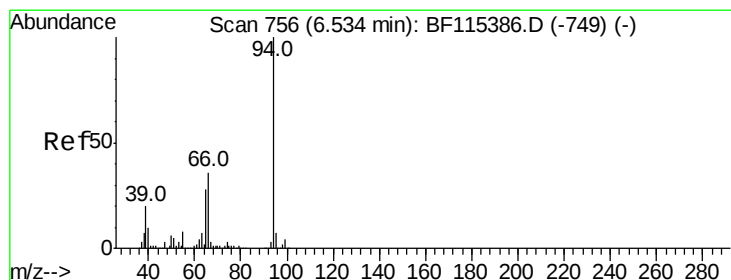
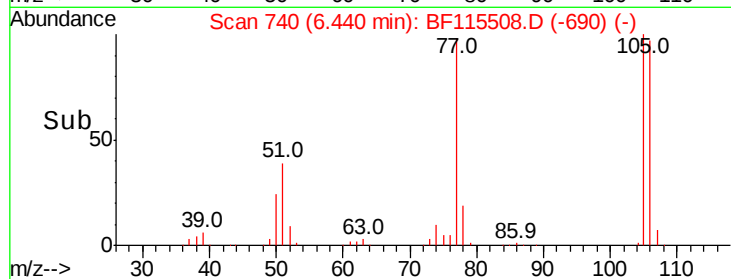
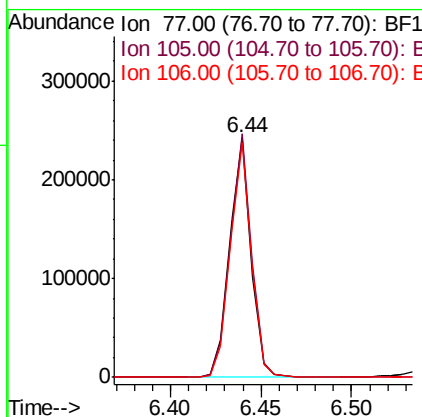
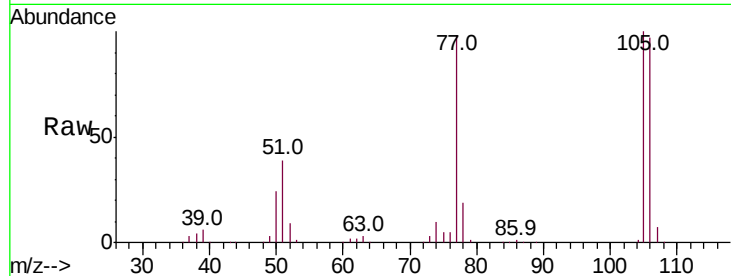
#9
Benzaldehyde
Concen: 28.239 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.7	82.9	122.9
106	98.2	77.8	117.8

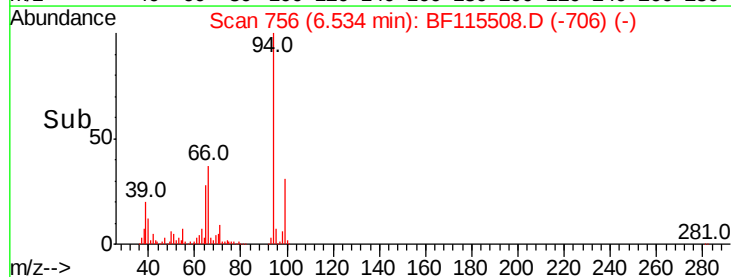
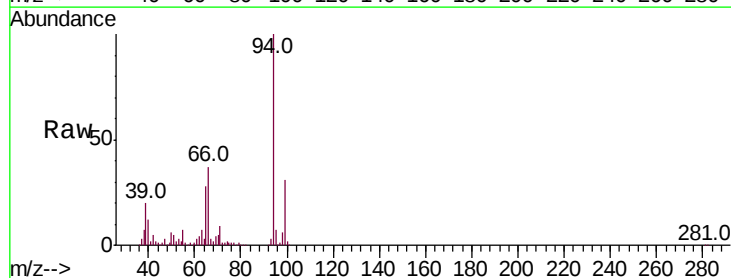
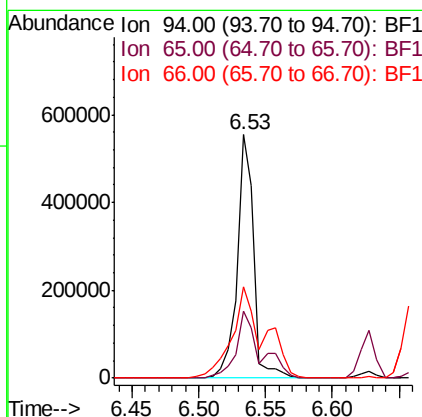
Manual Integrations
APPROVED

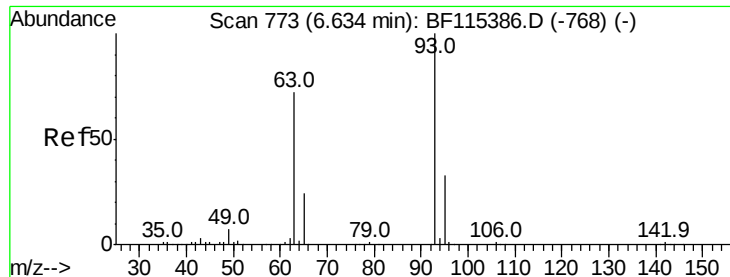
mohammad
7/12/2019 10:37:35 PM



#10
Phenol
Concen: 35.012 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.7	7.2	47.2
66	37.4	16.9	56.9





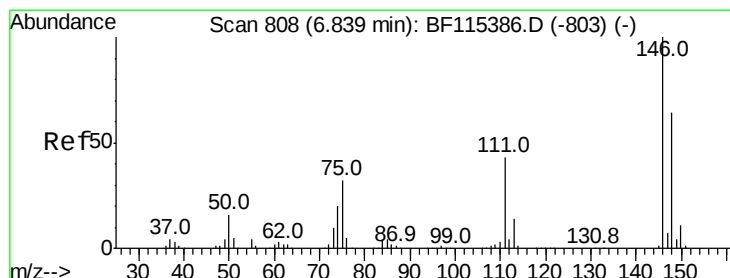
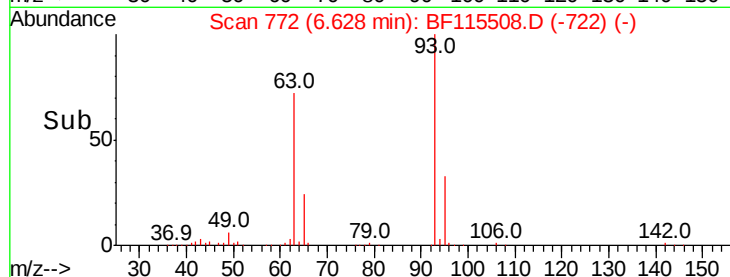
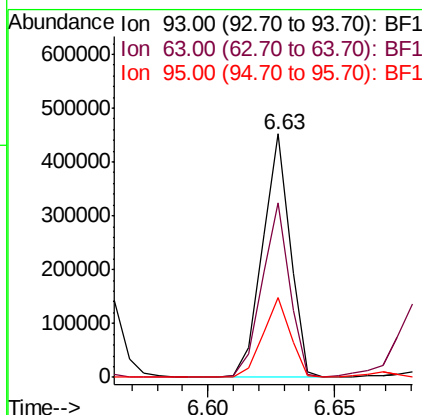
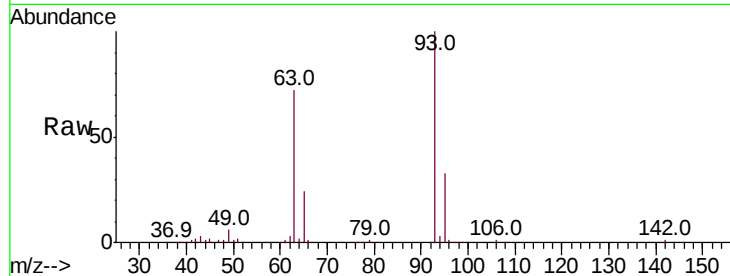
#11
bis(2-Chloroethyl)ether
Concen: 33.917 ng
RT: 6.63 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	344189		
63	71.9	50.0	90.0	
95	32.8	12.6	52.6	

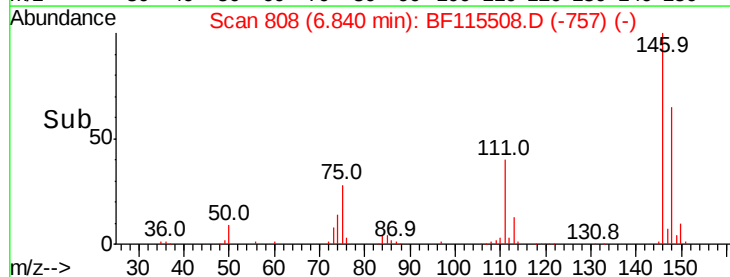
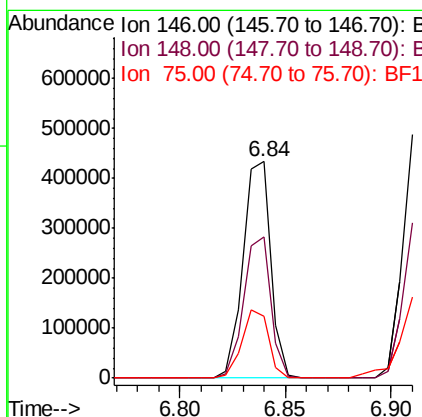
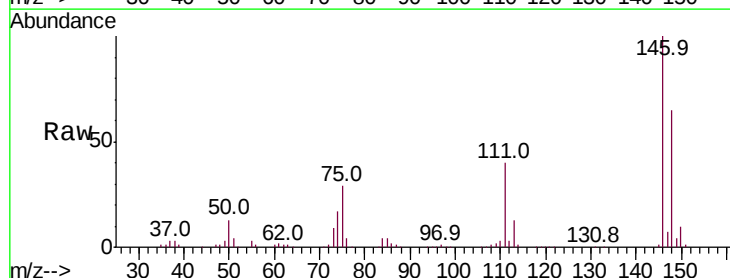
Manual Integrations
APPROVED

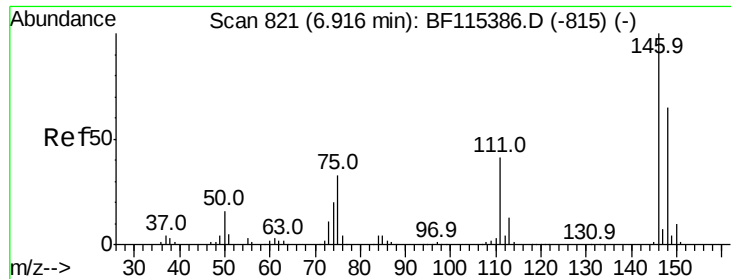
mohammad
7/12/2019 10:37:35 PM



#12
1,3-Dichlorobenzene
Concen: 35.400 ng
RT: 6.84 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	393685		
148	65.1	52.3	78.5	
75	28.7	24.8	37.2	





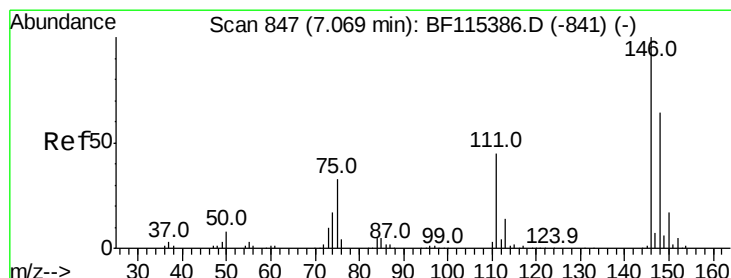
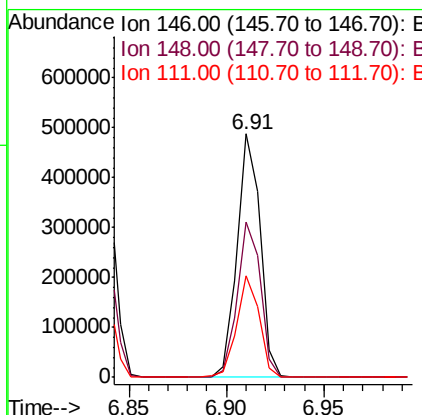
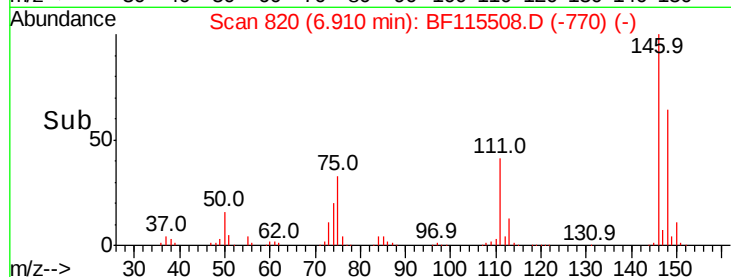
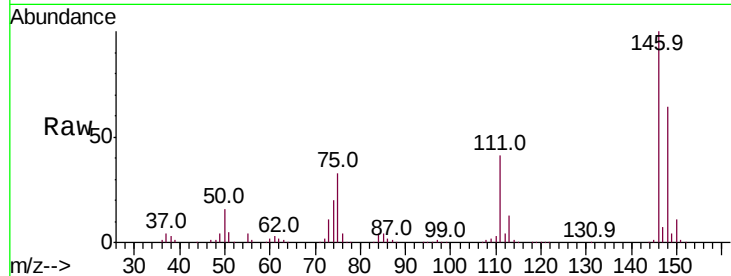
#13
 1,4-Dichlorobenzene
 Concen: 35.902 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.3	76.9
111	41.5	32.1	48.1

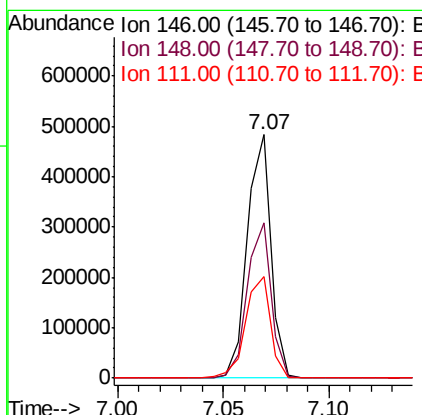
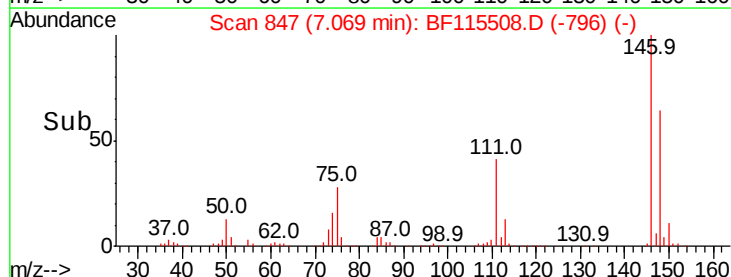
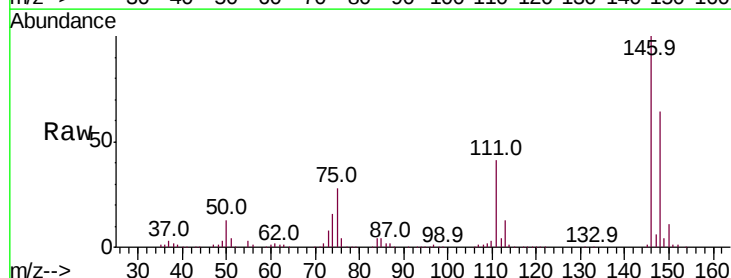
Manual Integrations
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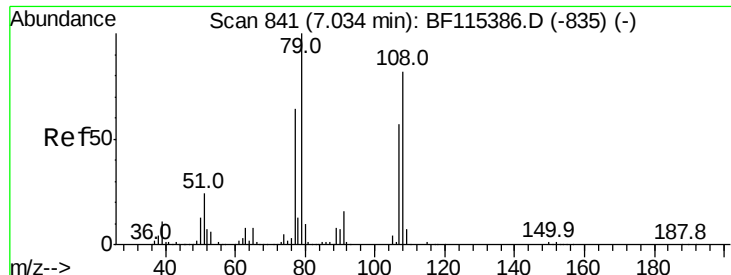
mohammad
 7/12/2019 10:37:35 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.495 ng
 RT: 7.07 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
111	41.5	35.4	53.2





#15

Benzyl Alcohol

Concen: 36.078 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

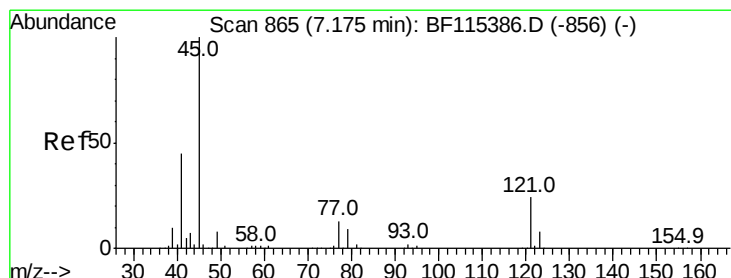
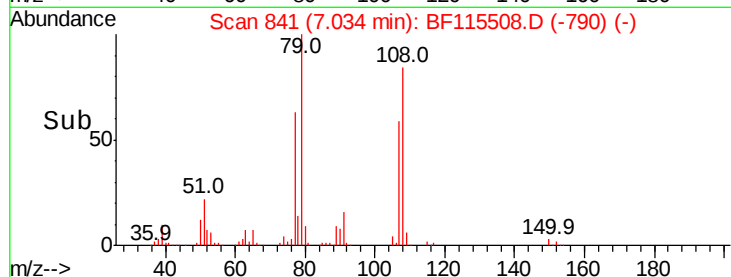
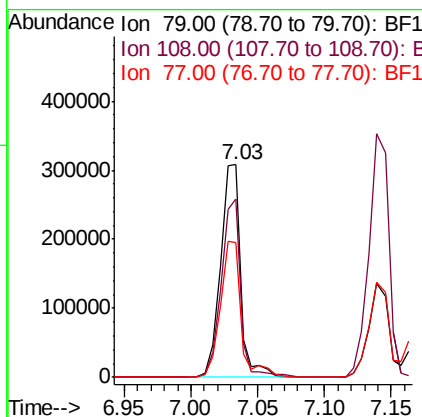
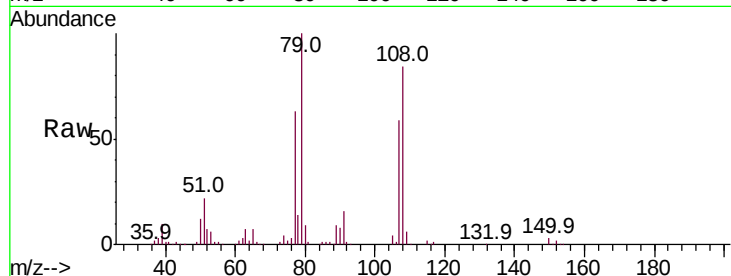
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:	79	Resp:	330999
Ion Ratio	Lower	Upper	
79	100		
108	84.2	65.3	97.9
77	63.5	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 32.104 ng

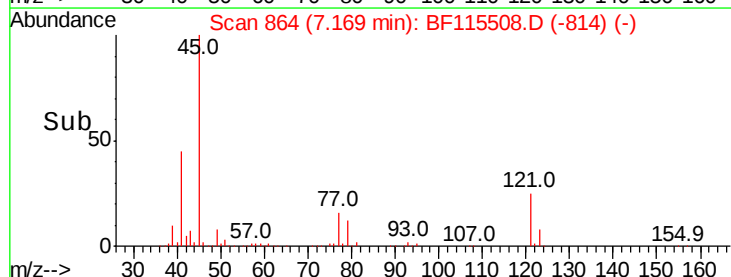
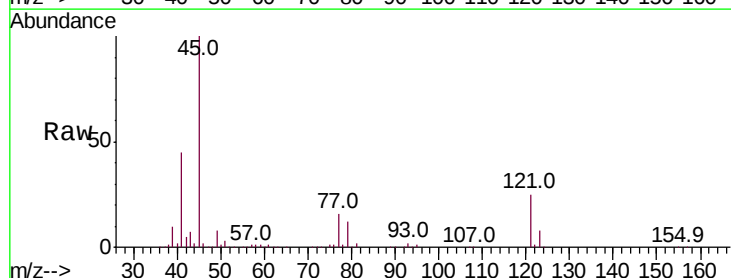
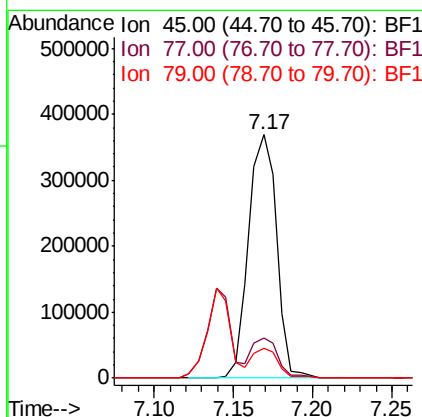
RT: 7.17 min Scan# 864

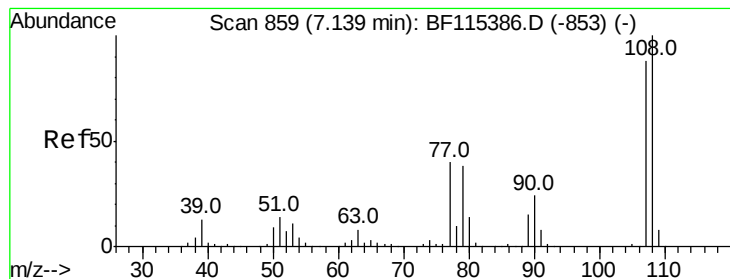
Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion:	45	Resp:	455545
Ion Ratio	Lower	Upper	
45	100		
77	16.3	0.0	36.4
79	12.4	0.0	33.4





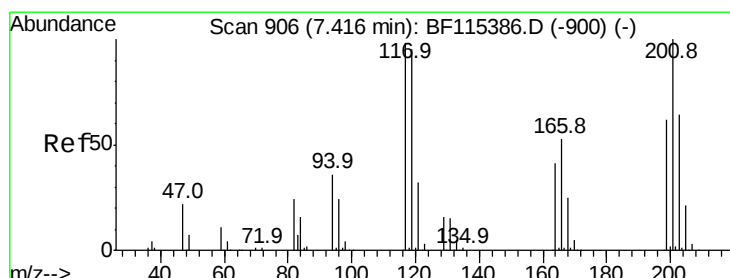
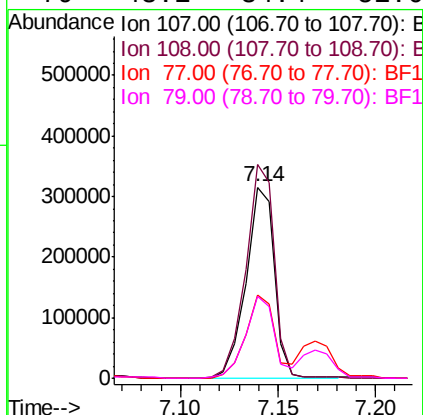
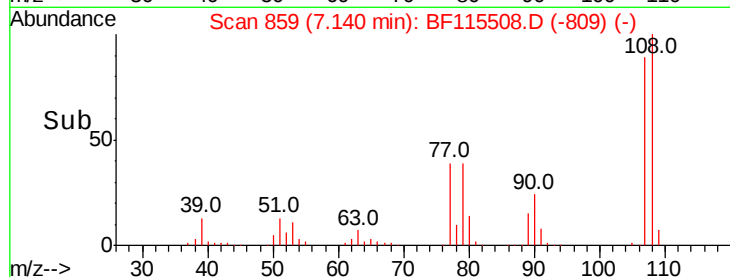
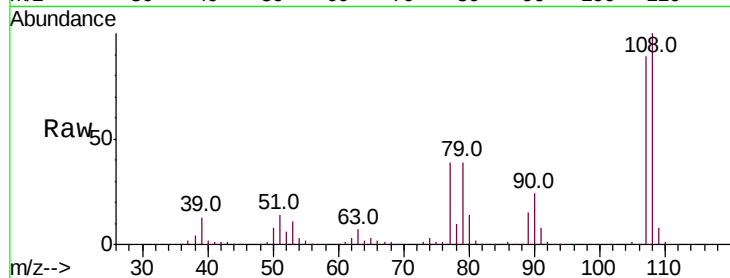
#17
2-Methylphenol
Concen: 36.433 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.9	90.0	135.0	
77	43.5	35.0	52.4	
79	43.1	34.4	51.6	

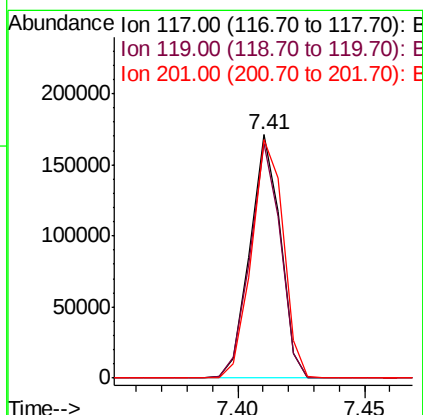
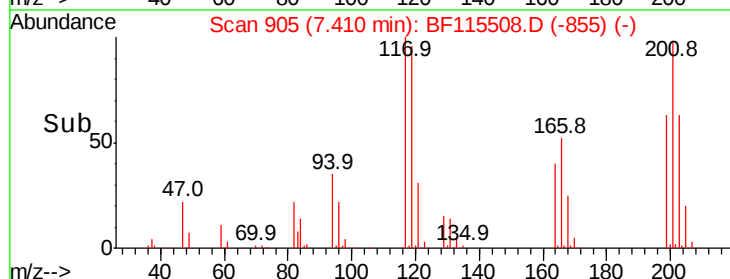
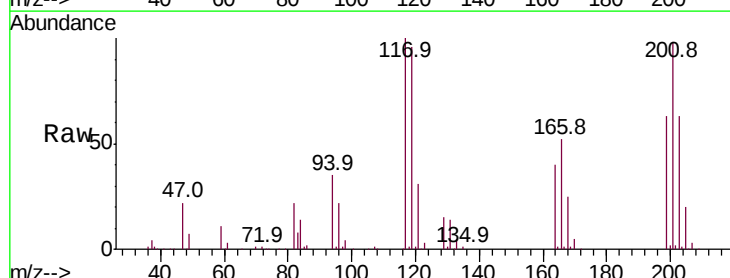
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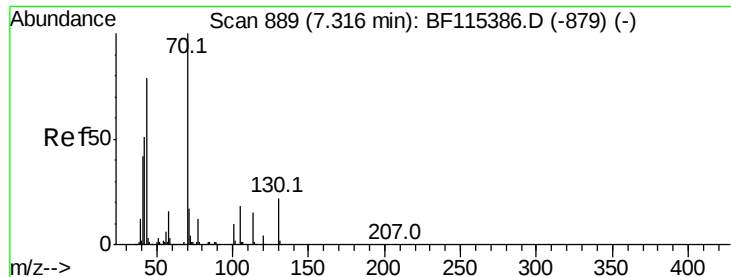
mohammad
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#18
Hexachloroethane
Concen: 34.603 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.5	76.8	115.2	
201	98.1	85.8	128.6	





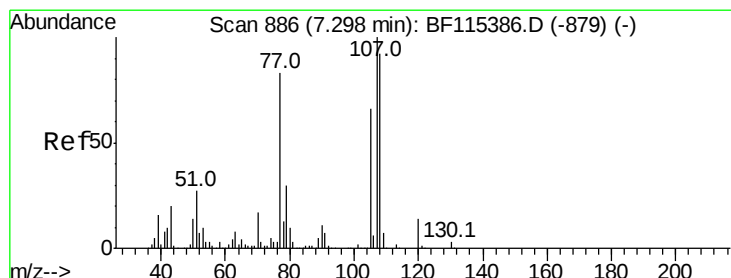
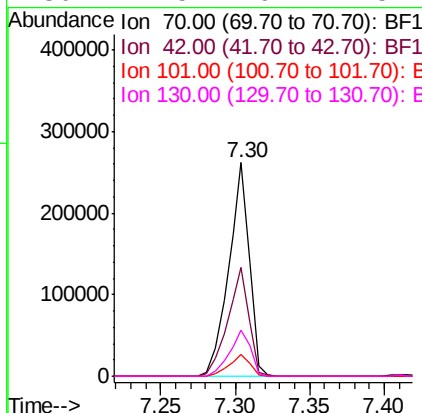
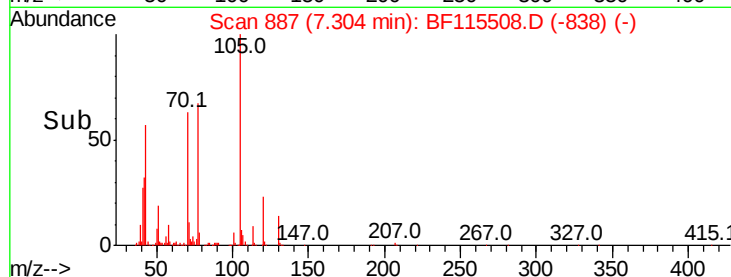
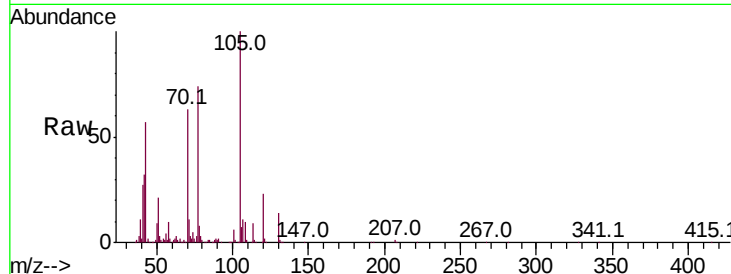
#19
n-Nitroso-di-n-propylamine
Concen: 33.118 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	51.2	38.5	57.7		
101	10.0	8.0	12.0		
130	21.5	19.1	28.7		

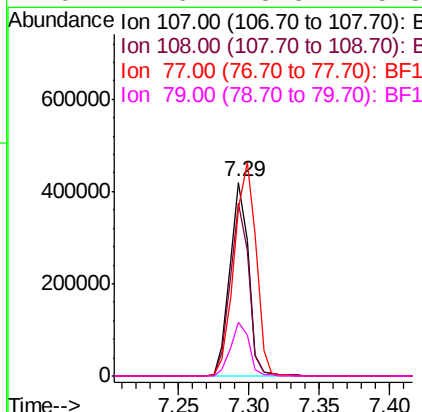
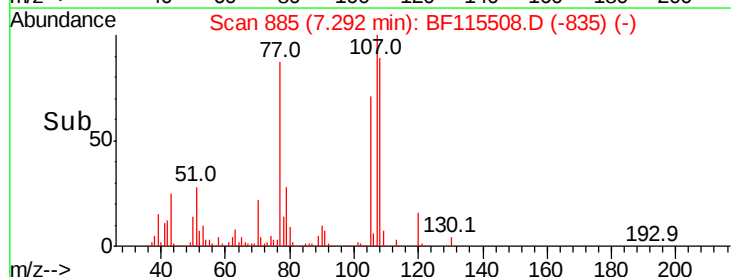
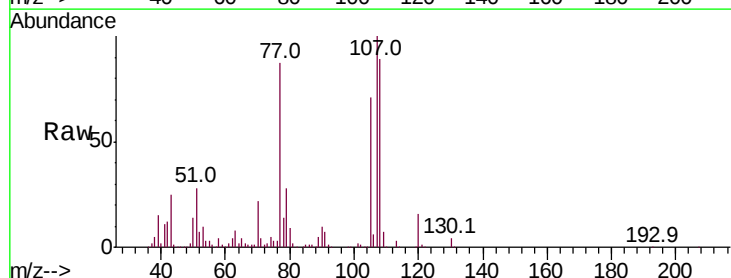
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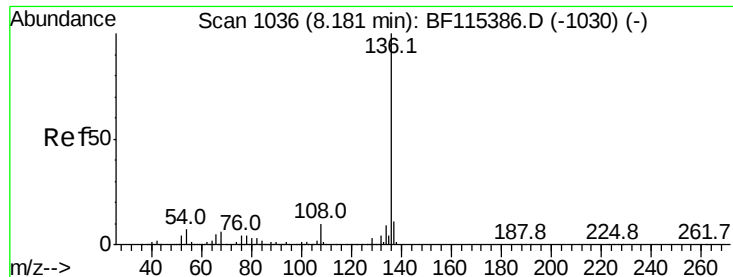
mohammad
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#20
3+4-Methylphenols
Concen: 37.701 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.3	70.5	110.5		
77	86.9	63.0	103.0		
79	27.6	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: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

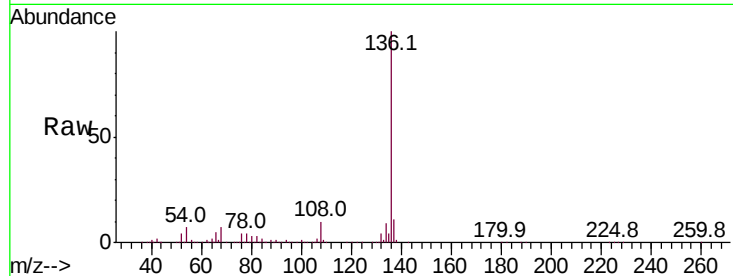
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.8	13.2	
54	7.2	5.4	8.0	
68	6.6	4.8	7.2	

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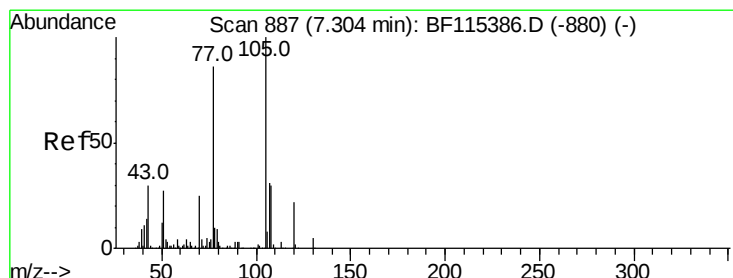
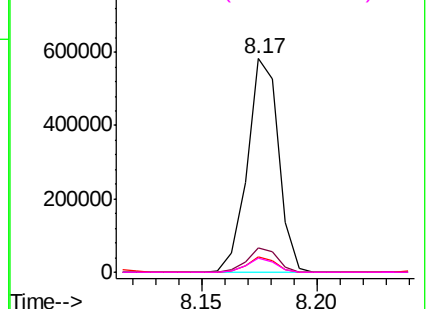
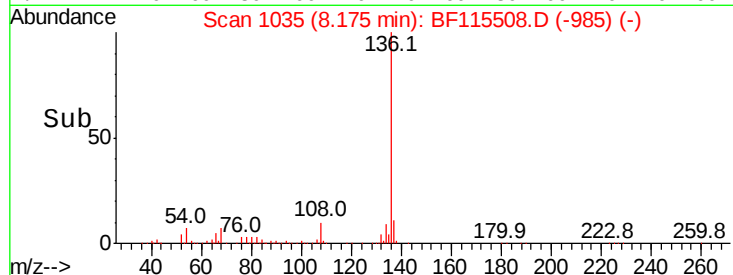
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 38.294 ng

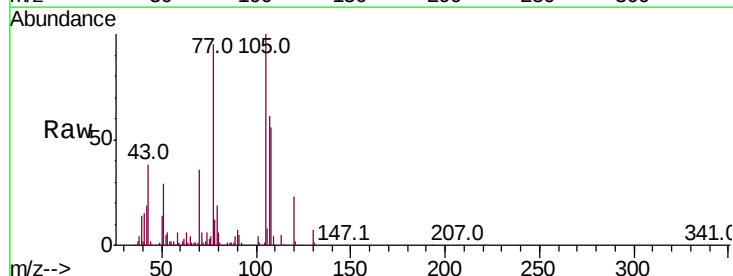
RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.0	3.5	5.3#	
51	28.8	22.6	33.8	
120	22.6	17.9	26.9	



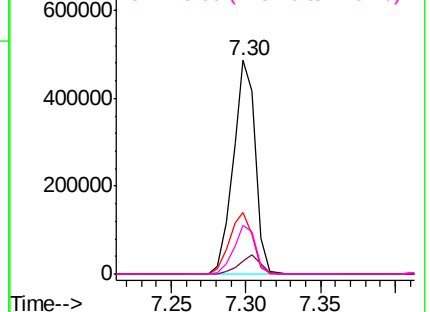
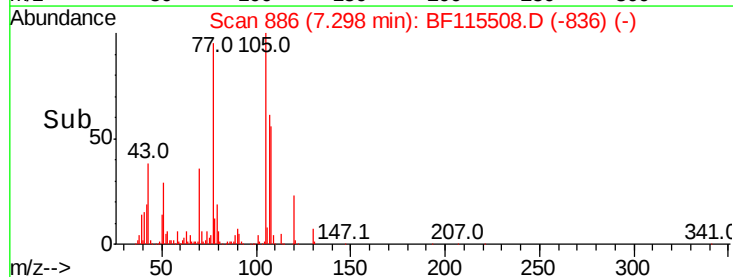
Abundance

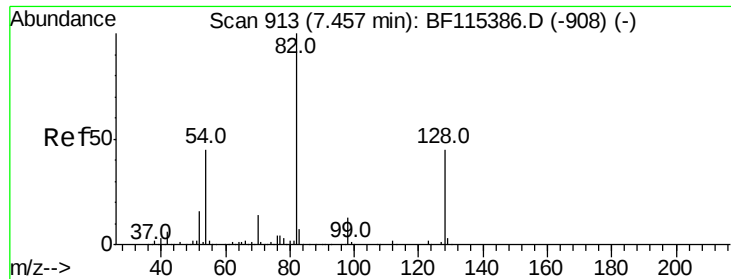
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





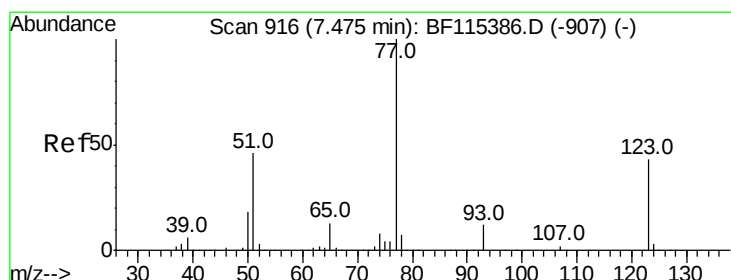
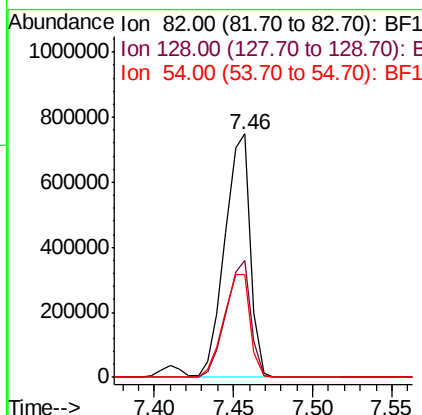
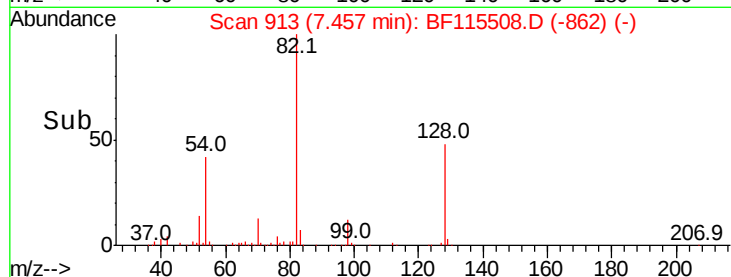
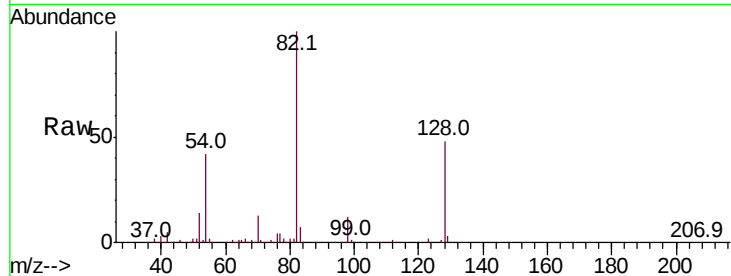
#23
Nitrobenzene-d5
Concen: 89.467 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.7	55.1
54	42.4	35.6	53.4

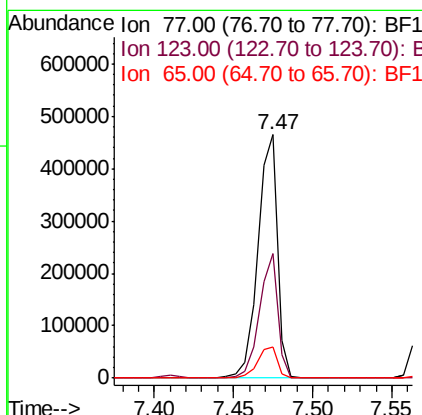
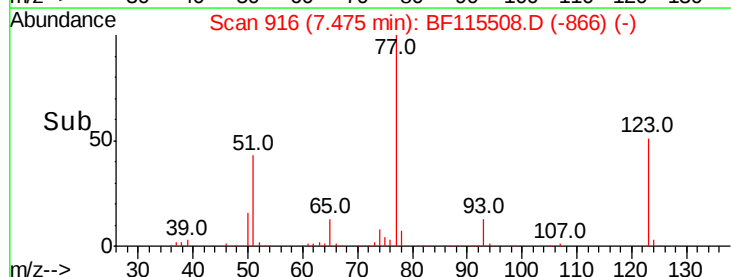
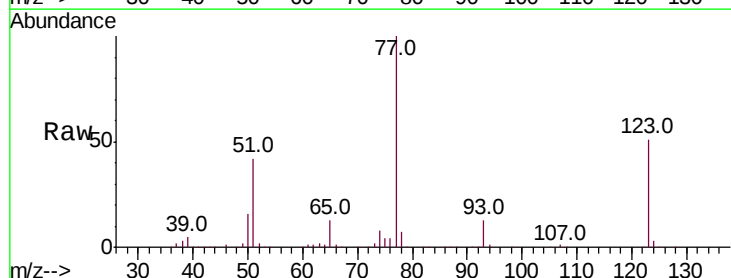
Manual Integrations
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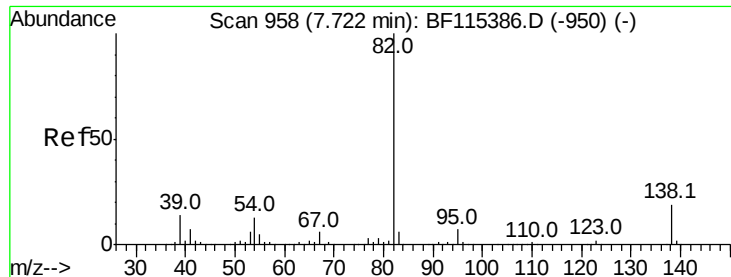
mohammad
7/12/2019 10:37:35 PM



#24
Nitrobenzene
Concen: 37.815 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.0	40.4	60.6
65	13.0	10.4	15.6





#25

Isophorone

Concen: 35.659 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

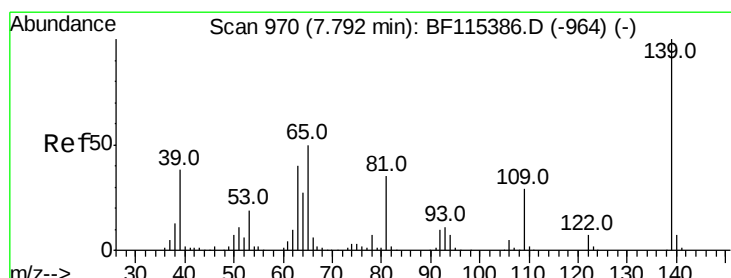
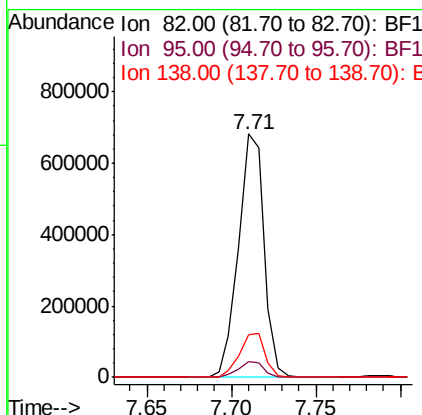
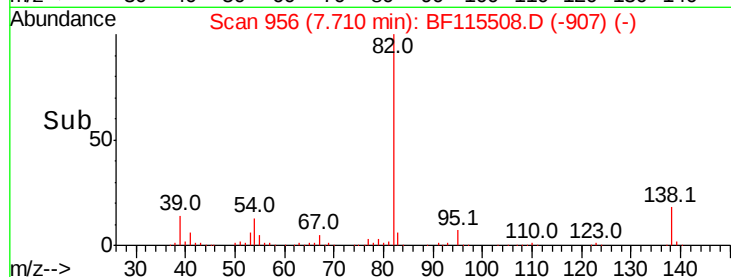
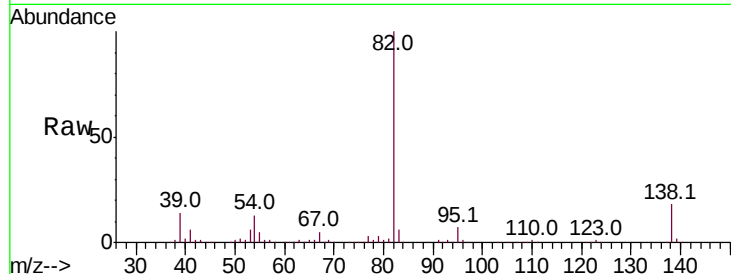
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:	82	Resp:	720263
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.4	8.2
138	17.8	15.1	22.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 46.933 ng

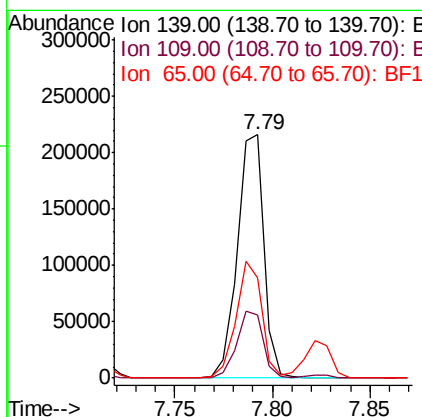
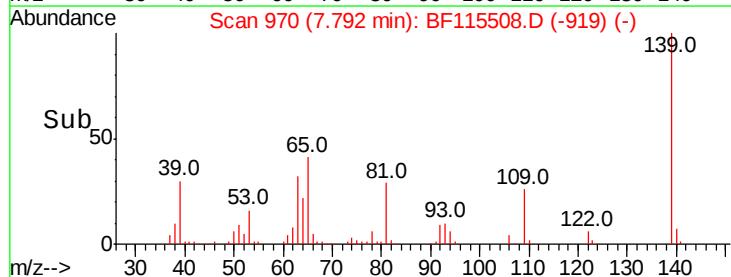
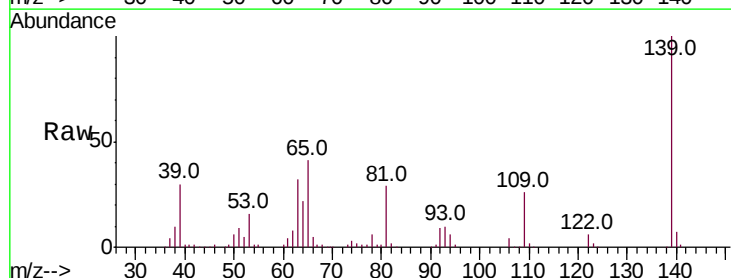
RT: 7.79 min Scan# 970

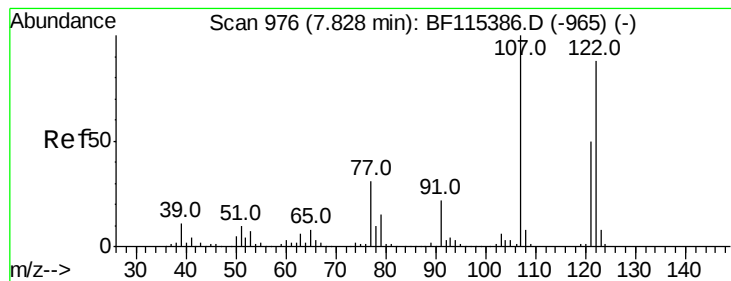
Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion:	139	Resp:	203066
Ion Ratio	Lower	Upper	
139	100		
109	26.1	22.2	33.4
65	41.3	37.5	56.3





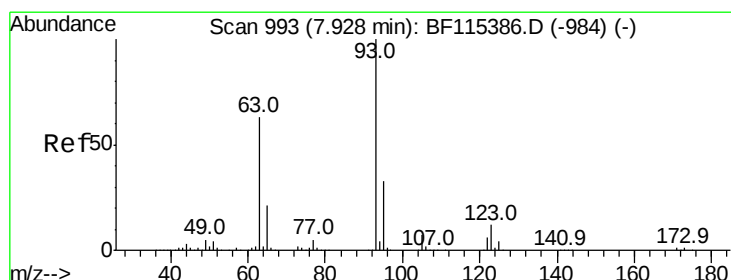
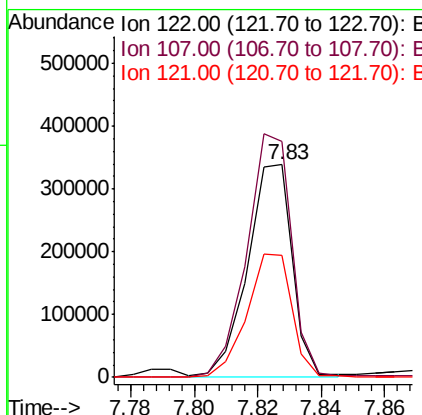
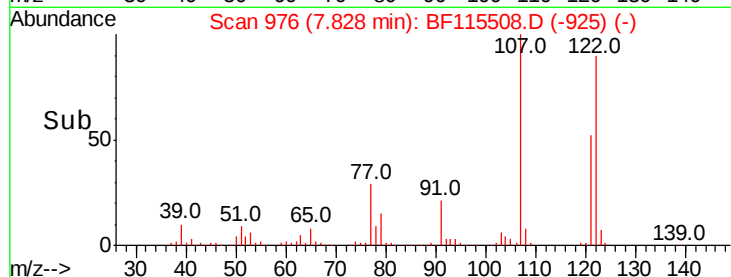
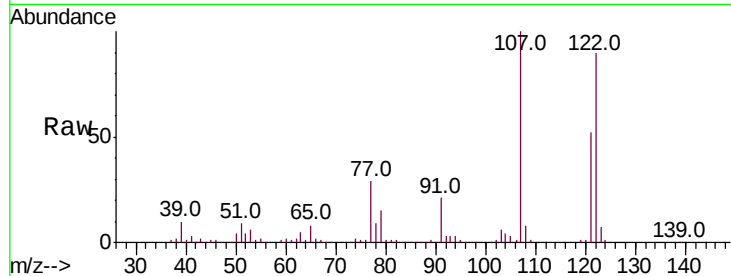
#27
2,4-Dimethylphenol
Concen: 40.042 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.1	91.7	137.5
121	57.7	47.7	71.5

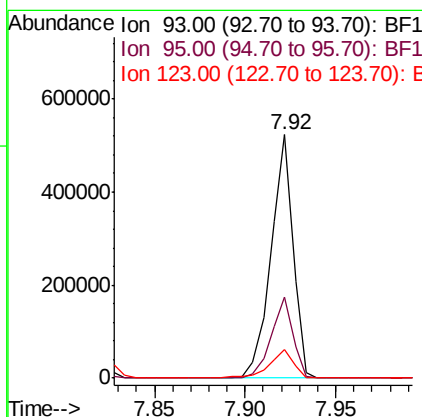
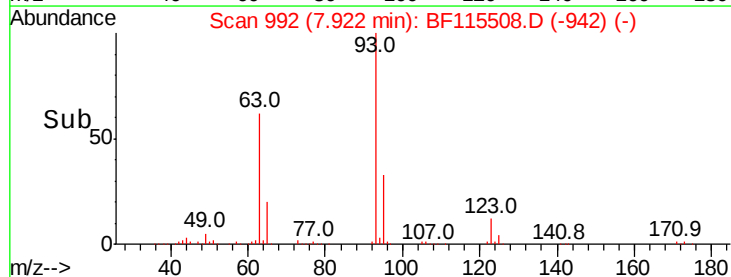
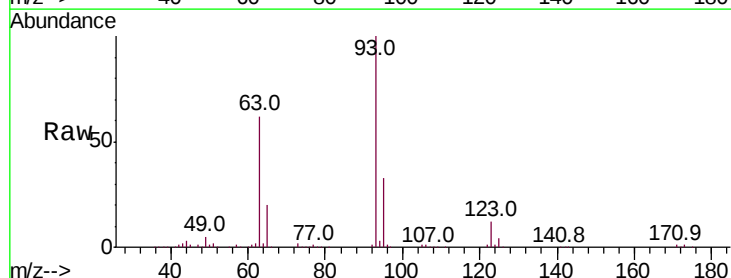
Manual Integrations
APPROVED

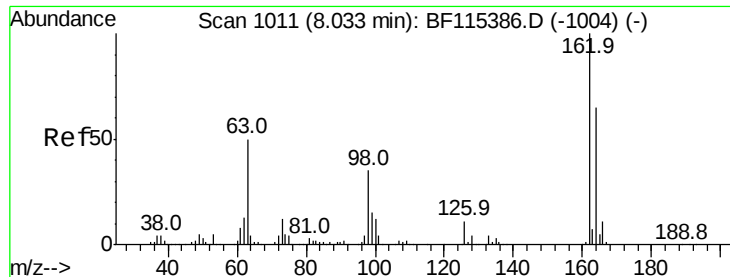
mohammad
7/12/2019 10:37:35 PM



#28
bis(2-Chloroethoxy)methane
Concen: 35.453 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	39.8
123	11.8	10.4	15.6





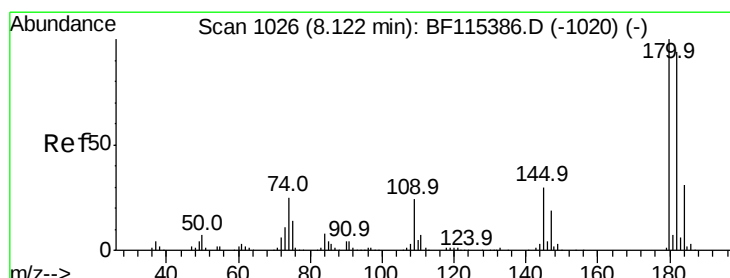
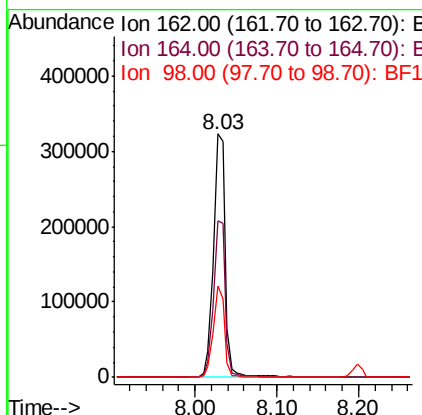
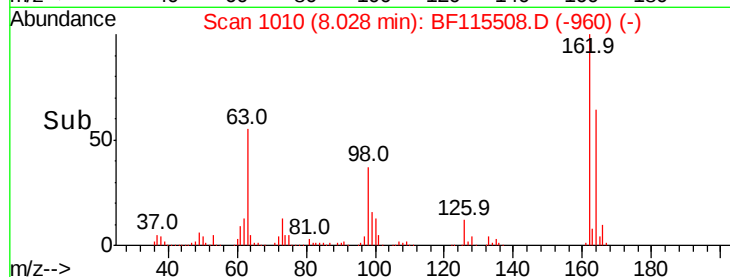
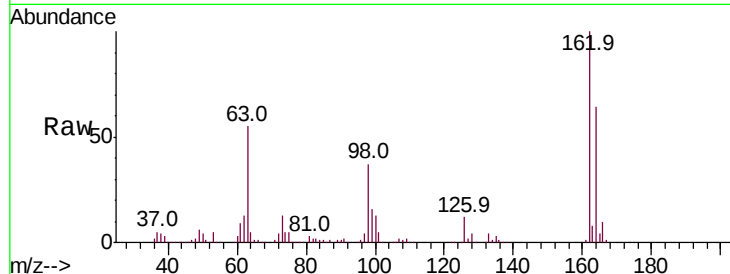
#29
 2,4-Dichlorophenol
 Concen: 39.673 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	326011		
164	64.4	45.2	85.2	
98	37.5	17.0	57.0	

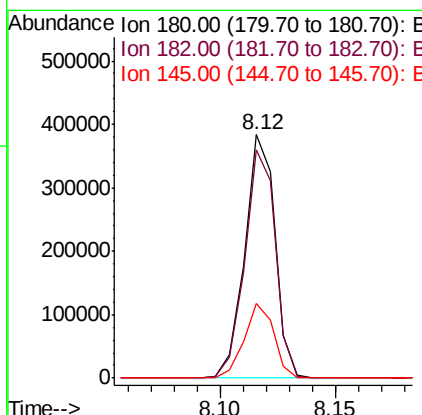
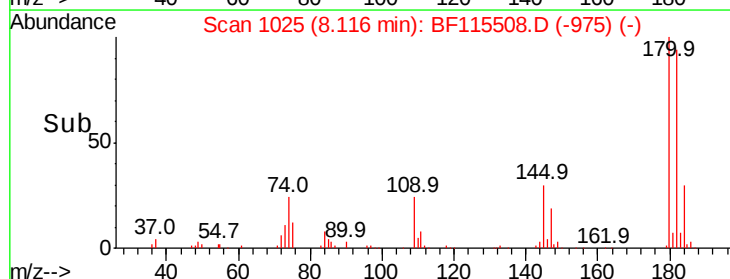
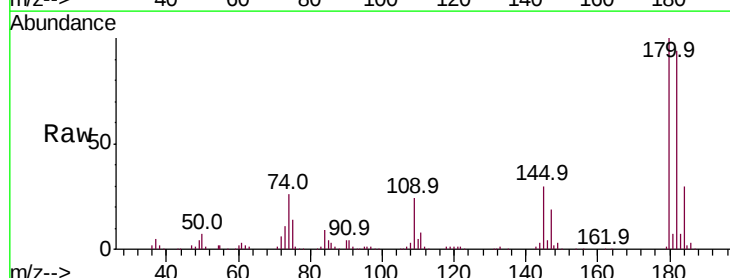
Manual Integrations
 APPROVED

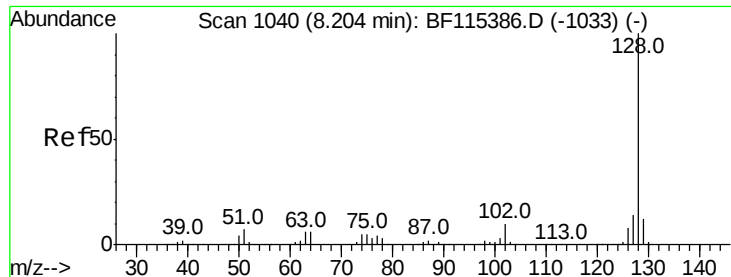
mohammad
 7/12/2019 10:37:35 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.465 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	351890		
182	93.8	77.1	115.7	
145	30.4	23.9	35.9	





#31

Naphthalene

Concen: 39.045 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:128 Resp: 1067798

Ion Ratio Lower Upper

128 100

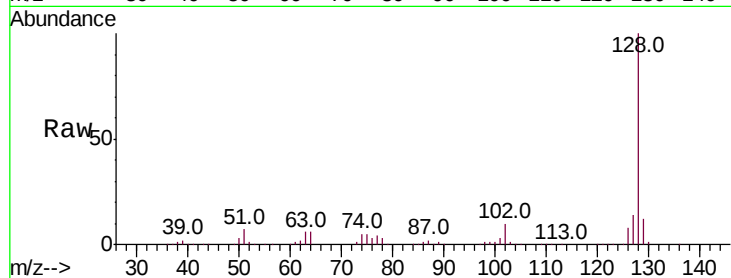
129 11.7 9.3 13.9

127 13.8 11.1 16.7

Manual Integrations
APPROVED

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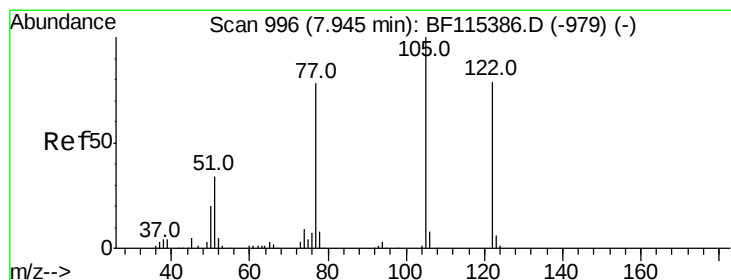
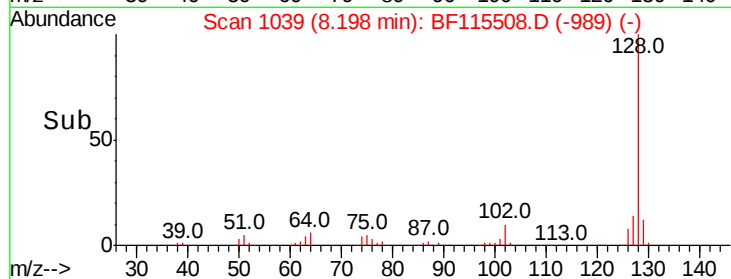
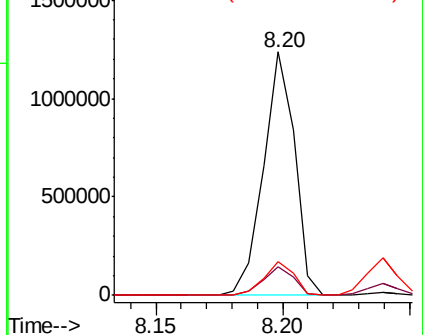
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 19.292 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.04 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

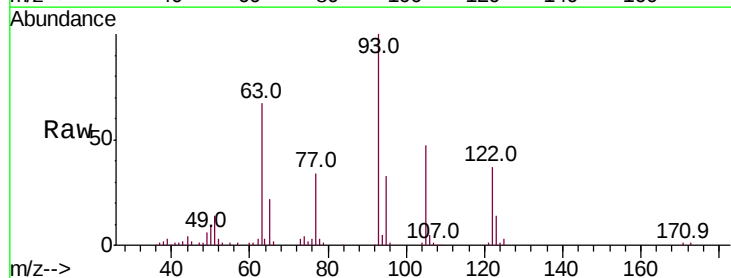
Tgt Ion:122 Resp: 91108

Ion Ratio Lower Upper

122 100

105 125.2 101.6 141.6

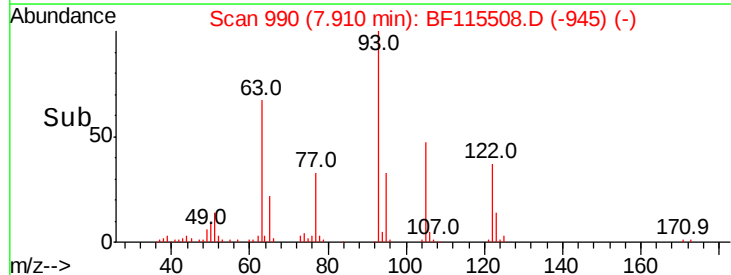
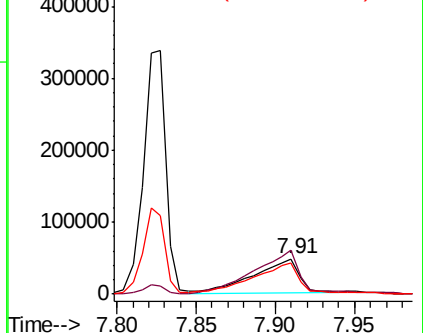
77 89.9 69.1 109.1

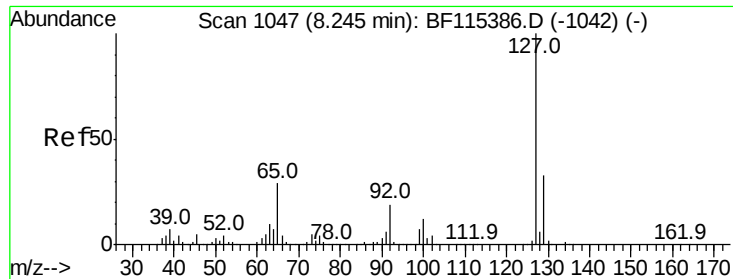


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





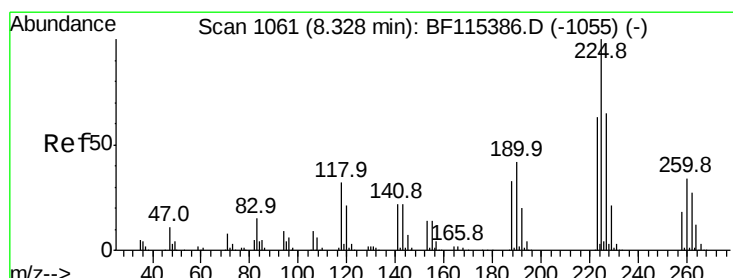
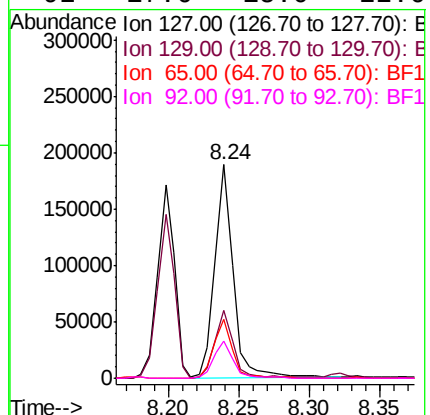
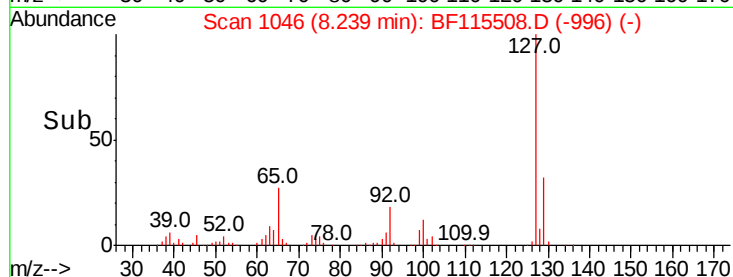
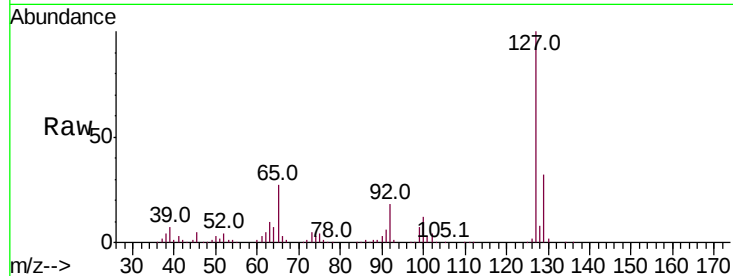
#33
4-Chloroaniline
Concen: 14.198 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.1	39.1
65	27.3	23.2	34.8
92	17.6	15.0	22.6

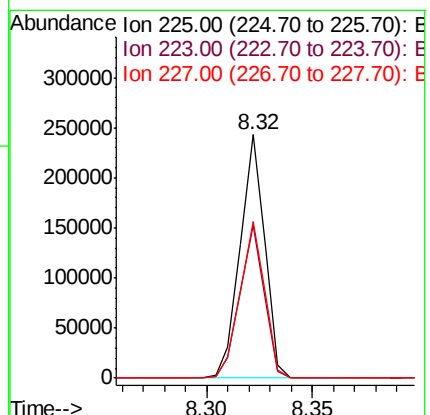
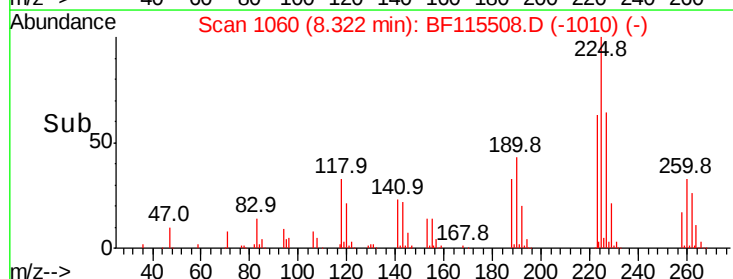
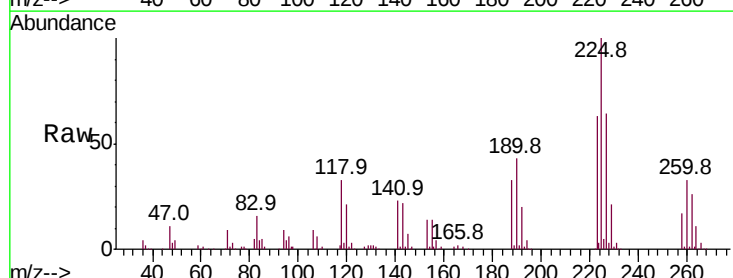
Manual Integrations
APPROVED

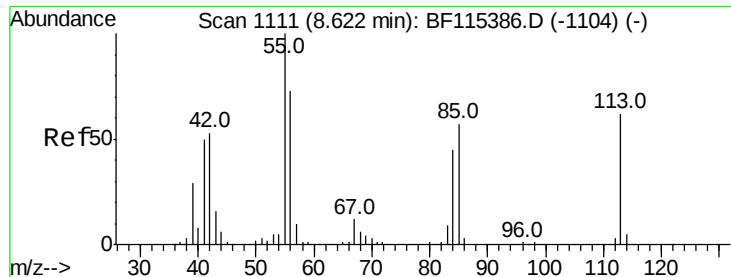
mohammad
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#34
Hexachlorobutadiene
Concen: 37.516 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.5	51.4	77.2





#35

Caprolactam

Concen: 44.370 ng/mL

RT: 8.60 min Scan# 1107

Delta R.T. -0.02 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

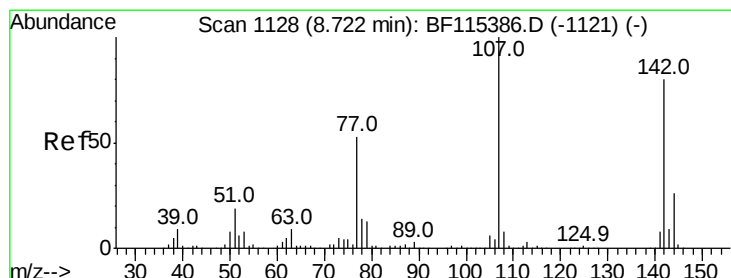
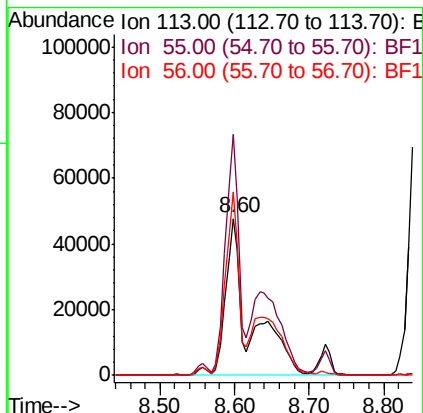
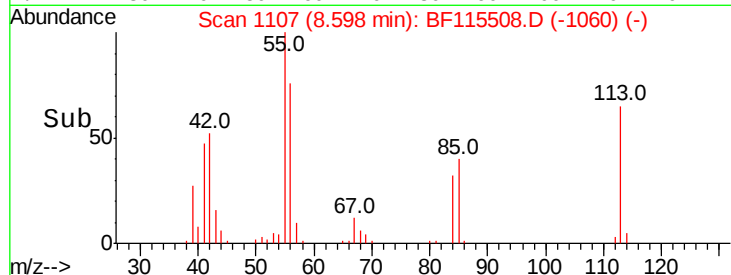
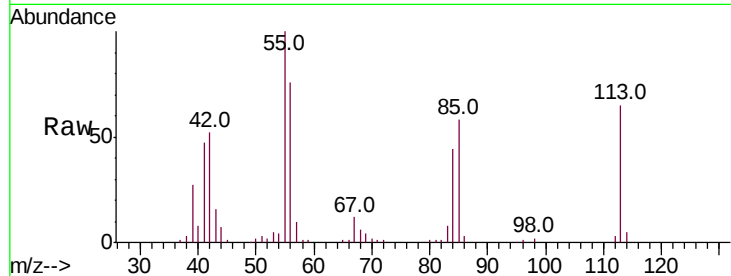
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:	113	Resp:	118751
Ion Ratio	Lower	Upper	
113	100		
55	153.6	138.1	178.1
56	116.8	95.7	135.7

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 39.890 ng/mL

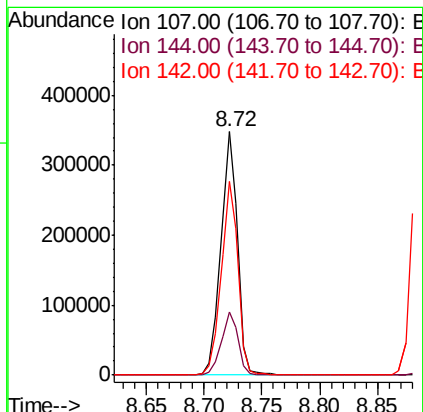
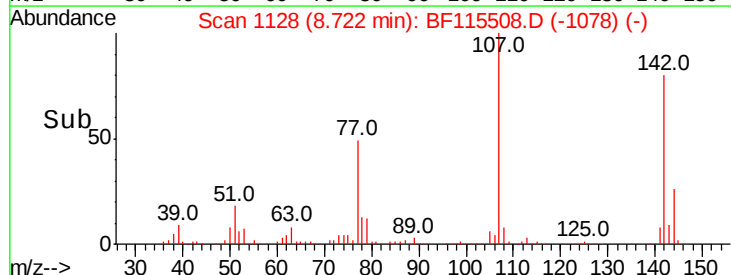
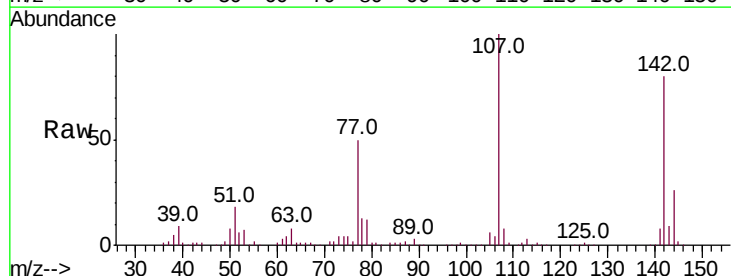
RT: 8.72 min Scan# 1128

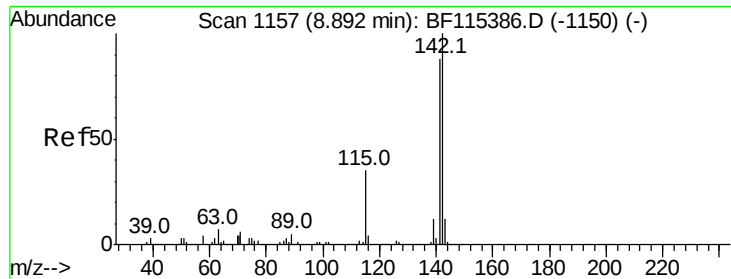
Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion:	107	Resp:	346720
Ion Ratio	Lower	Upper	
107	100		
144	25.9	21.5	32.3
142	79.5	66.2	99.2





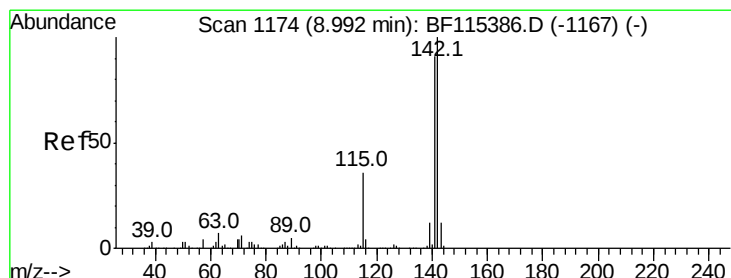
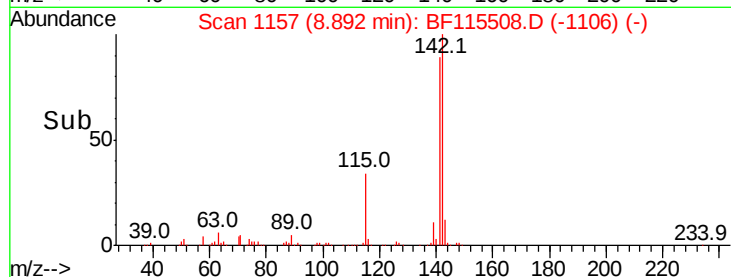
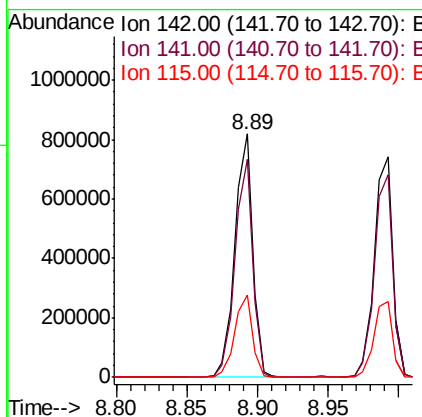
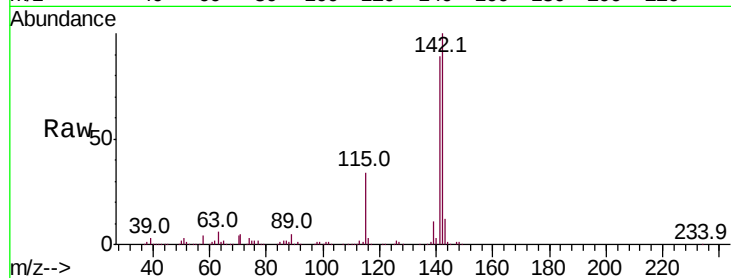
#37
2-Methylnaphthalene
Concen: 39.505 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.1	108.1
115	33.7	27.6	41.4

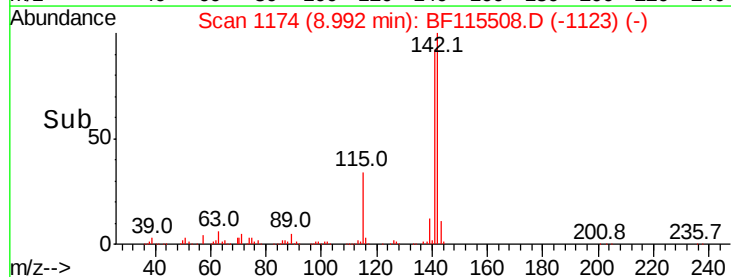
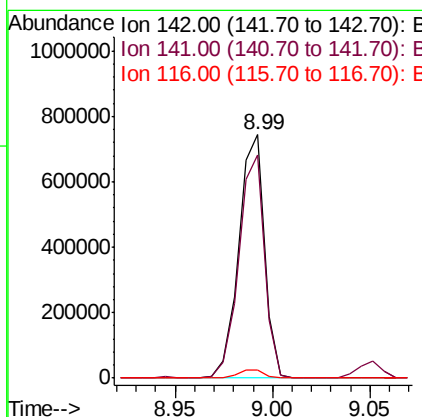
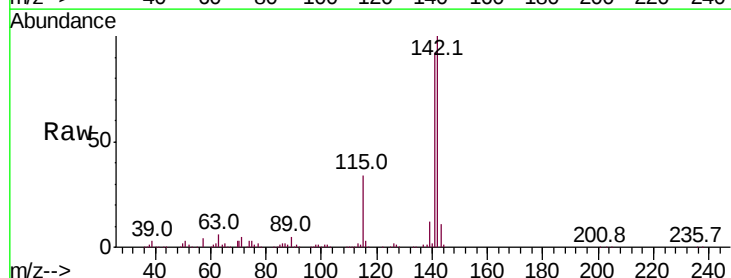
Manual Integrations
APPROVED

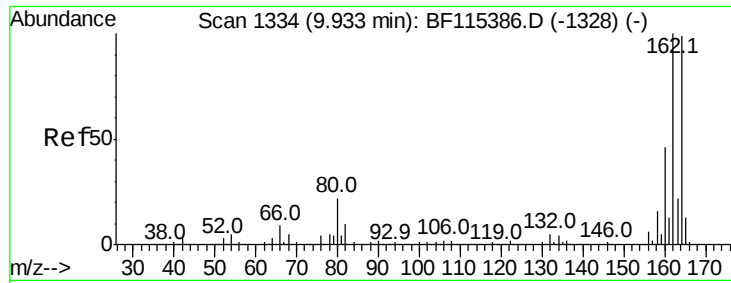
mohammad
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#38
1-Methylnaphthalene
Concen: 38.792 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.3	111.5
116	3.3	3.1	4.7





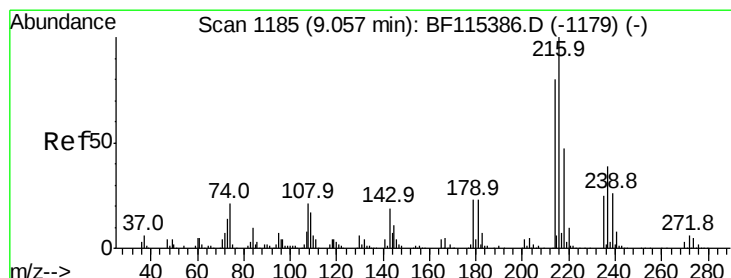
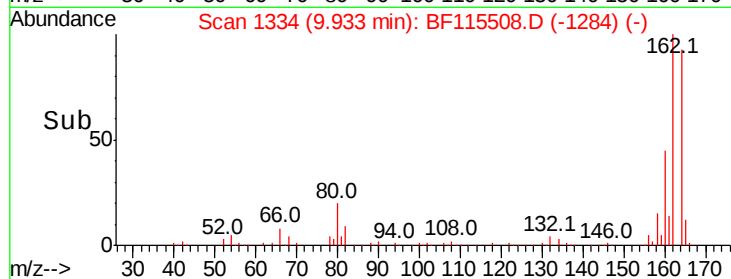
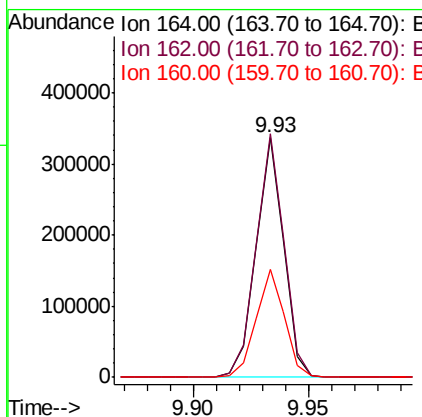
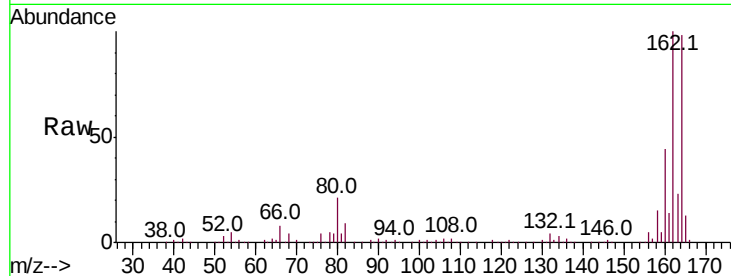
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.3	123.5
160	45.2	37.2	55.8

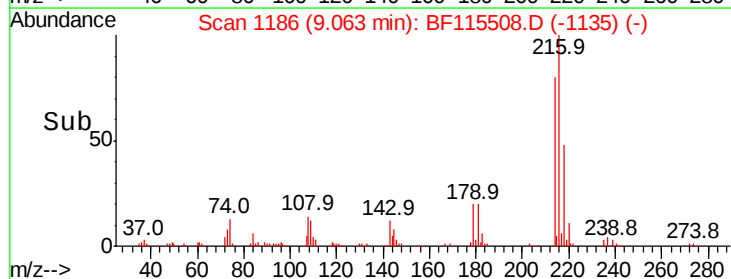
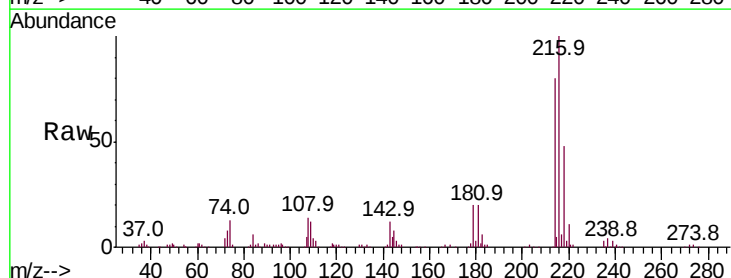
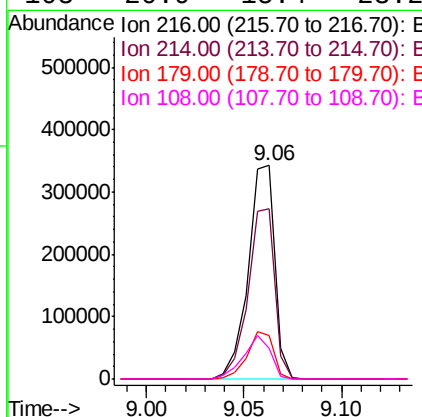
Manual Integrations
APPROVED

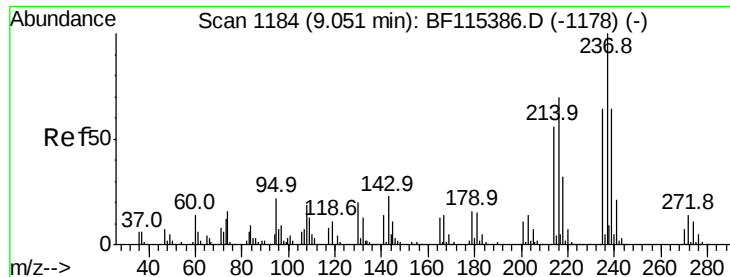
mohammad
7/12/2019 10:37:35 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.917 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.0	94.6
179	21.8	17.4	26.0
108	20.9	15.4	23.2





#41

Hexachlorocyclopentadiene

Concen: 74.845 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

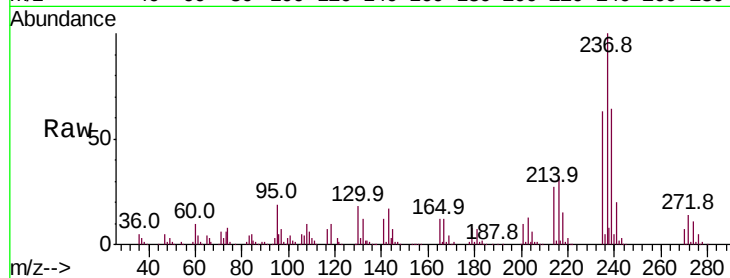
ClientSampleId :

MANHOLE-TEST-PITMS

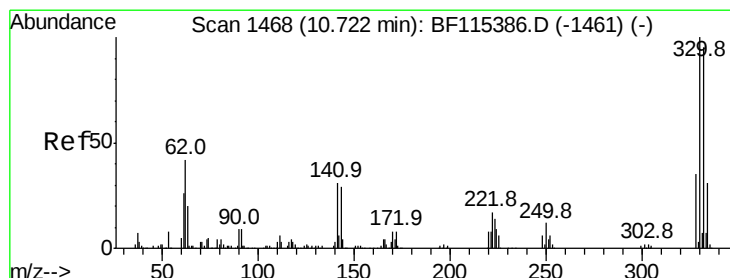
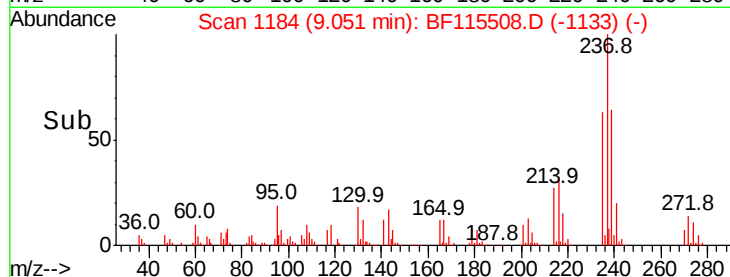
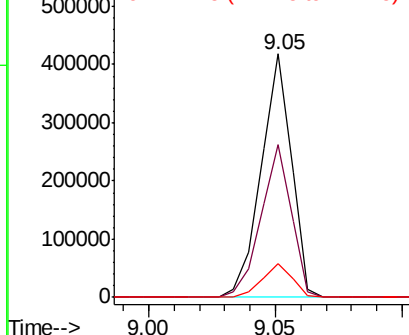
Tot Ion:	237	Resp:	351553
Ion Ratio	Lower	Upper	
237	100		
235	62.7	43.4	83.4
272	13.8	0.0	33.6

Manual Integrations
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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: 133.972 ng

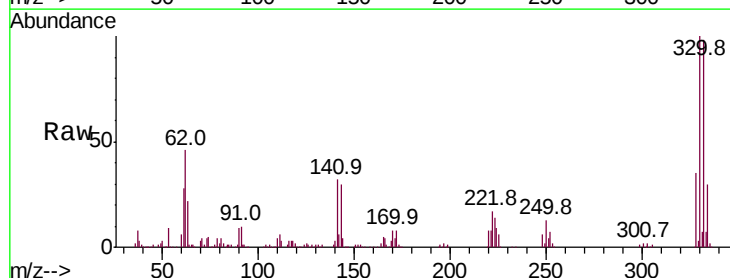
RT: 10.72 min Scan# 1468

Delta R.T. -0.01 min

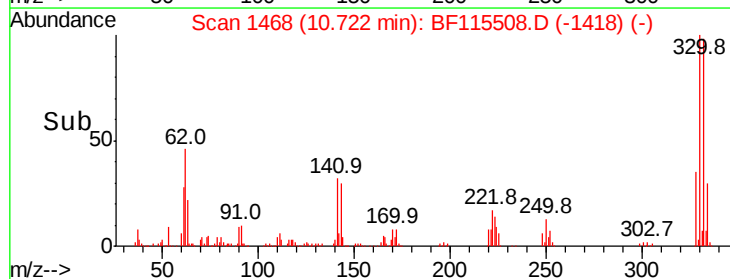
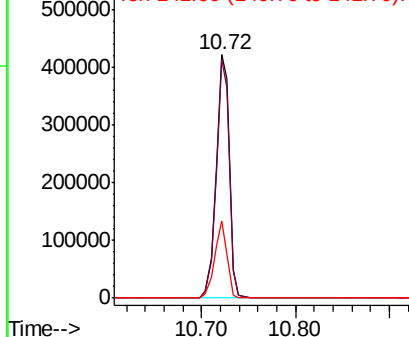
Lab File: BF115508.D

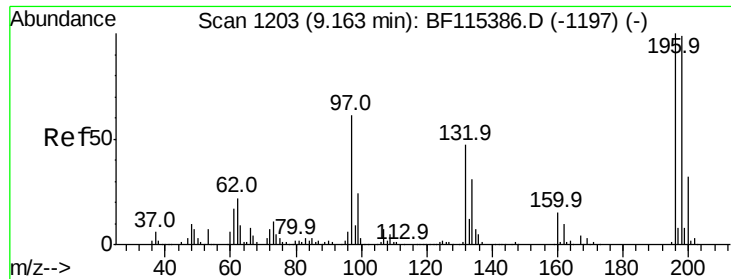
Acq: 11 Jul 2019 21:35

Tgt Ion:	330	Resp:	417276
Ion Ratio	Lower	Upper	
330	100		
332	96.6	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





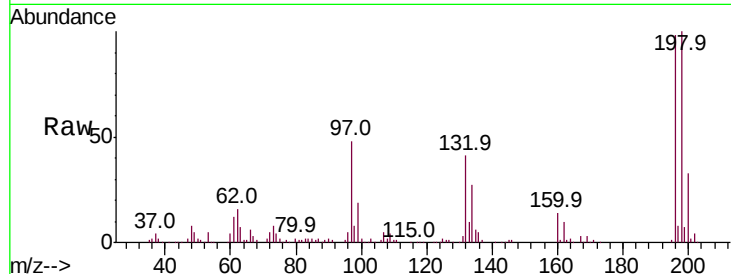
#43
 2,4,6-Trichlorophenol
 Concen: 39.882 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	235302		
198	101.8	78.2	117.4	
200	33.4	25.0	37.6	

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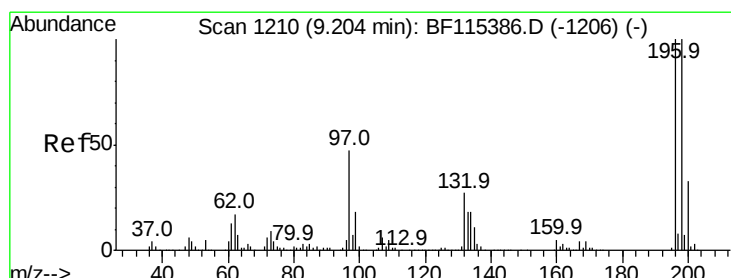
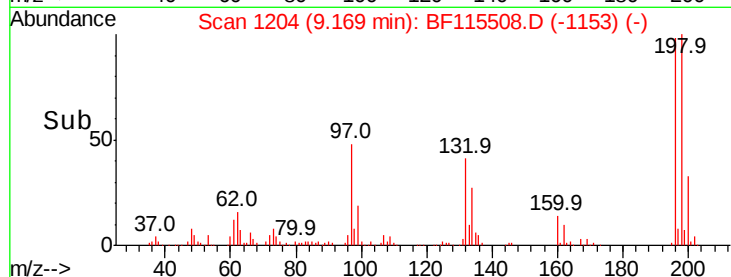
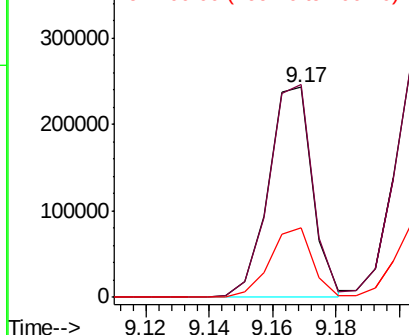


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 41.160 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	251813		
198	100.5	80.6	120.8	
97	49.8	34.0	51.0	
132	29.6	21.4	32.2	

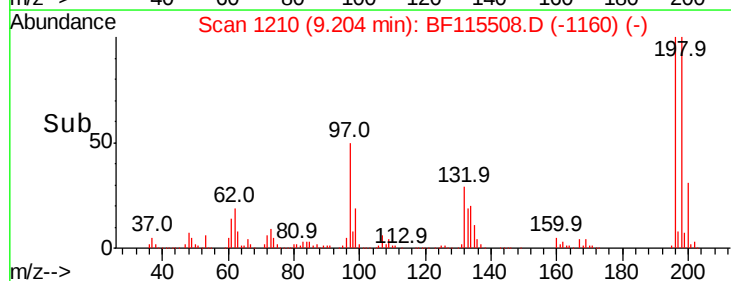
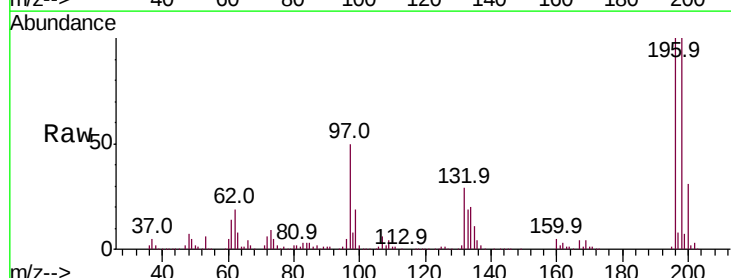
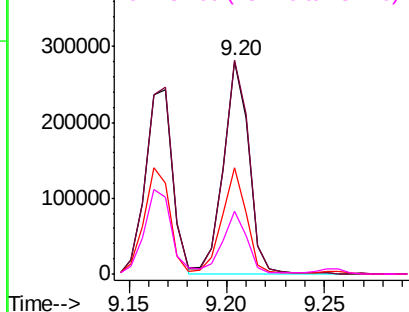
Abundance

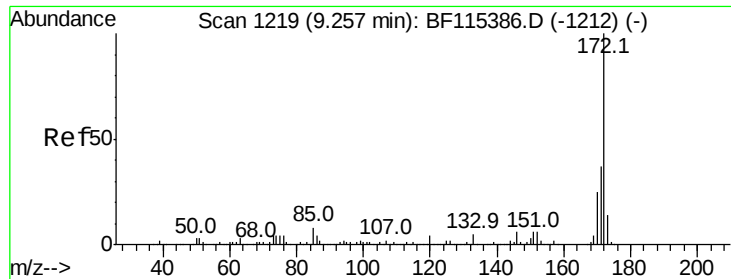
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





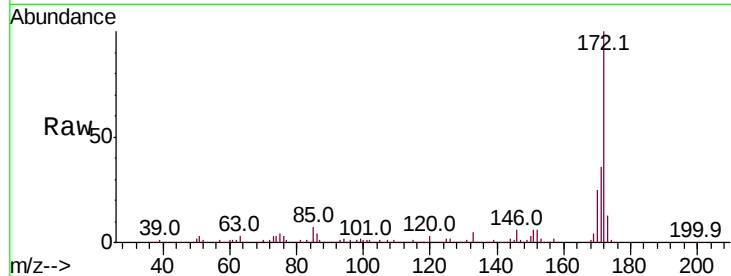
#45
2-Fluorobiphenyl
Concen: 92.500 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.8
170	24.8	20.0	30.0

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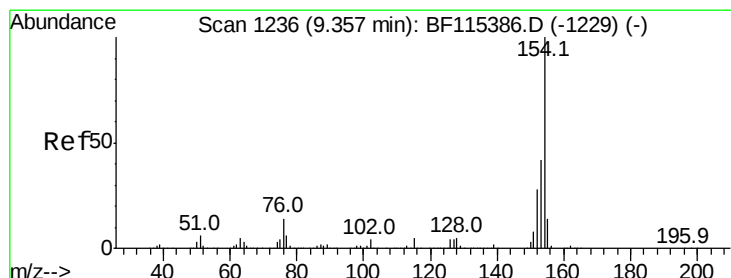
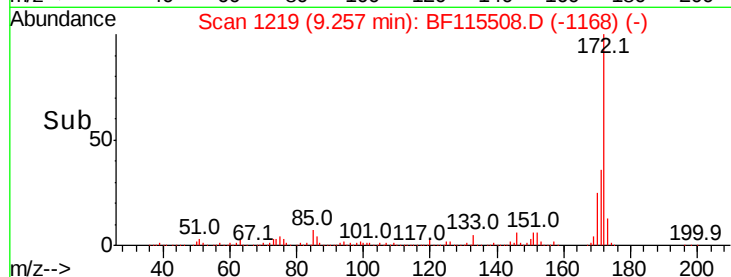
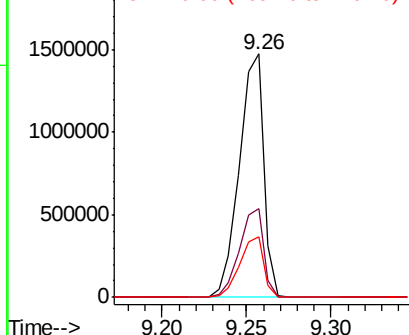


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 40.196 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

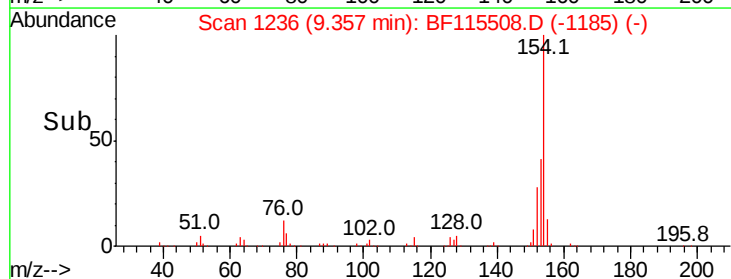
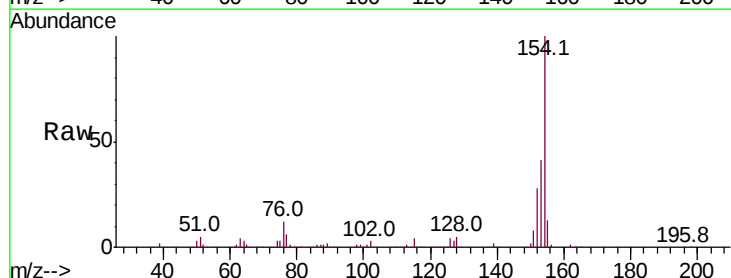
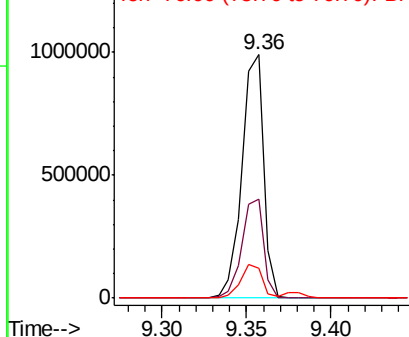
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.5	61.5
76	12.3	0.0	34.6

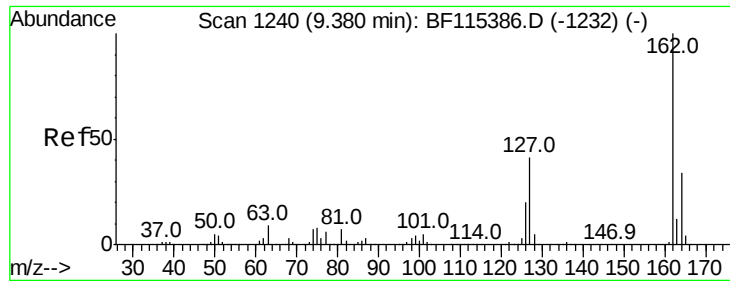
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





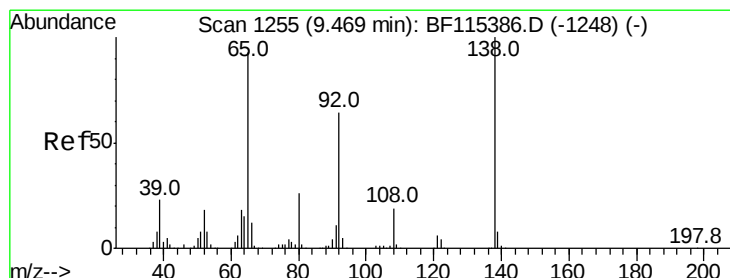
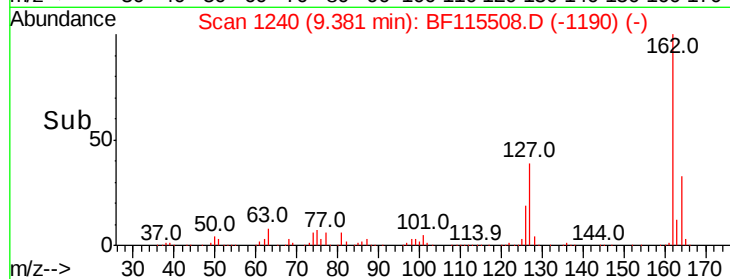
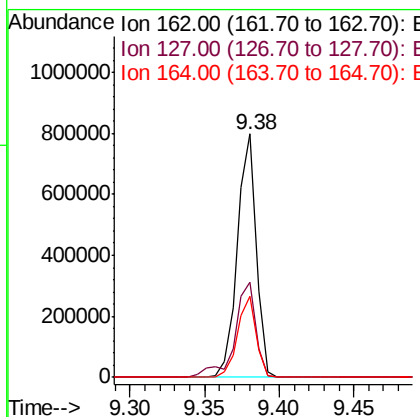
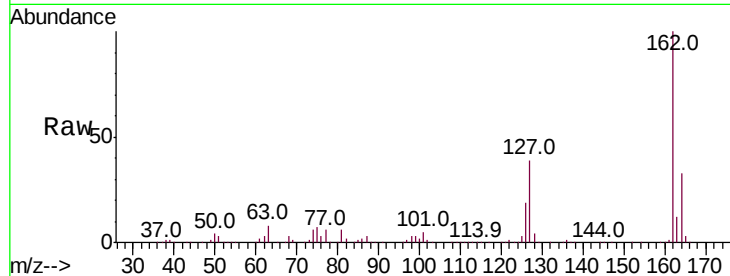
#47
 2-Chloronaphthalene
 Concen: 38.771 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	709630		
127	39.0		31.4	47.0
164	33.1		27.2	40.8

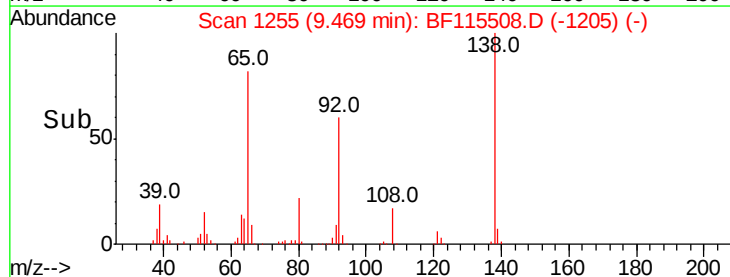
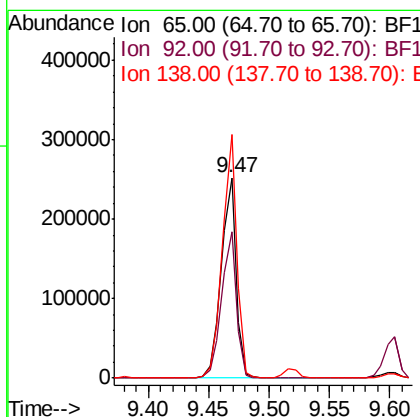
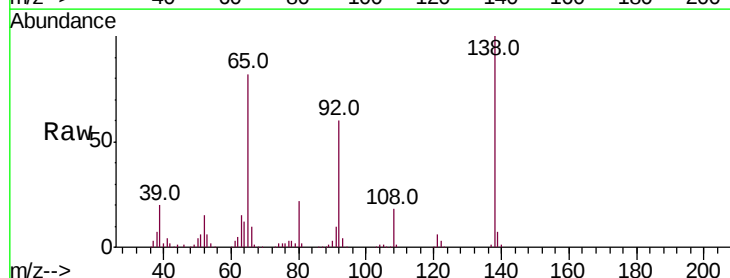
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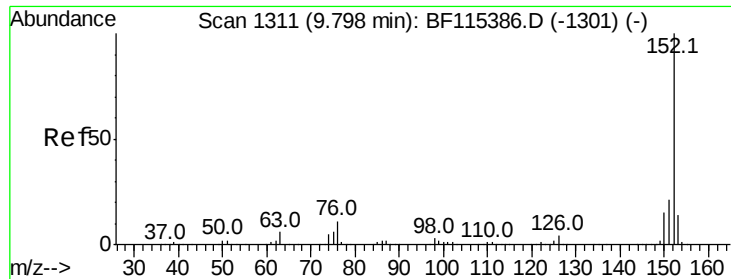
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#48
 2-Nitroaniline
 Concen: 39.734 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	213668		
92	73.0		59.0	88.4
138	121.6		98.3	147.5





#49

Acenaphthylene

Concen: 39.241 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:152 Resp: 1087423

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

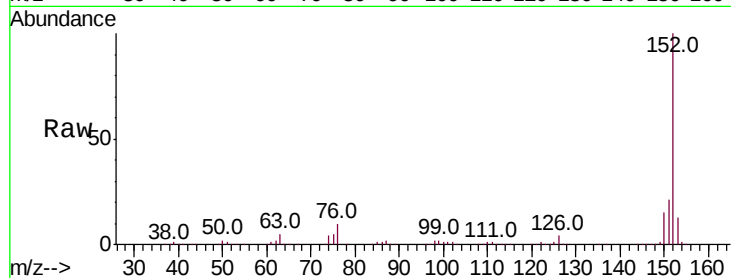
153 13.5 11.8 17.6

Manual Integrations

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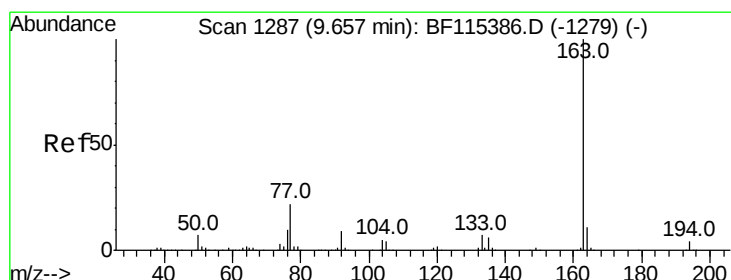
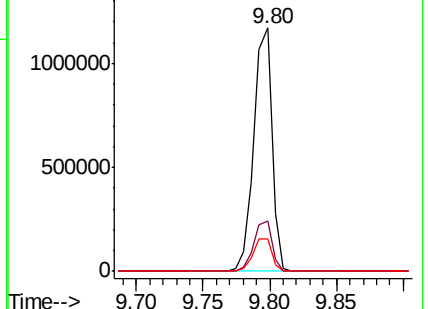
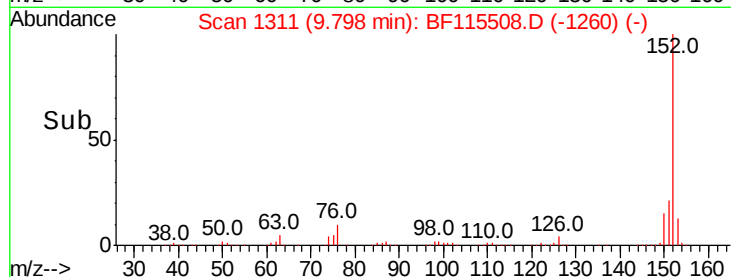
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 51.174 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

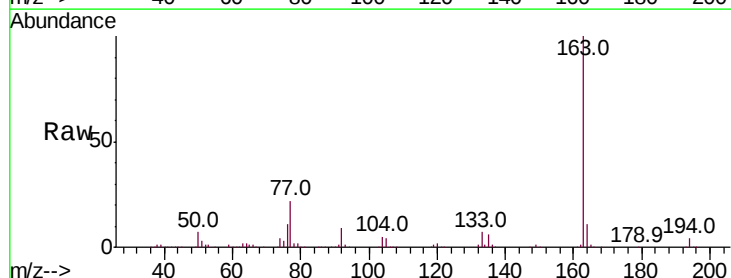
Tgt Ion:163 Resp: 1081987

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

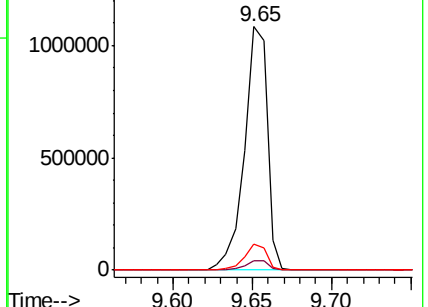
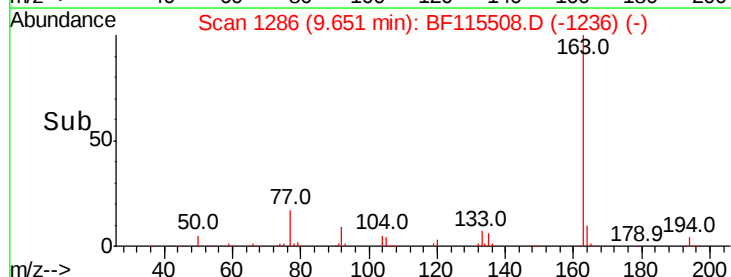
164 10.7 8.6 13.0

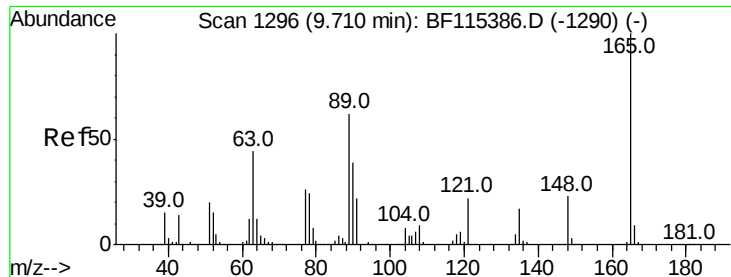


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





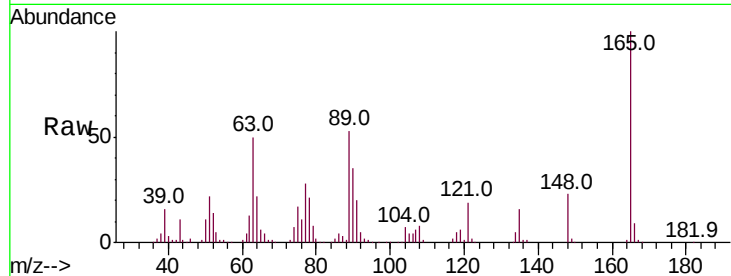
#51
2,6-Dinitrotoluene
Concen: 42.257 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

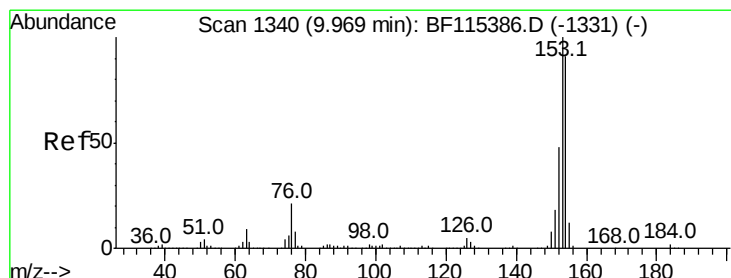
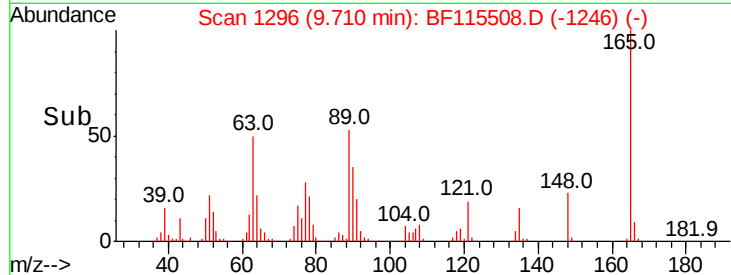
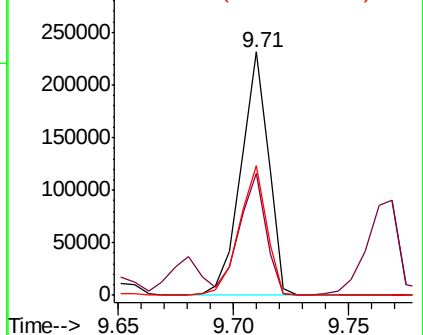
Tot Ion	Ratio	Lower	Upper
165	100		
63	50.0	39.7	59.5
89	53.2	42.8	64.2

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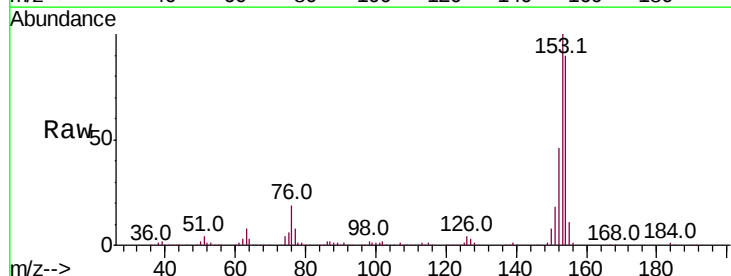


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

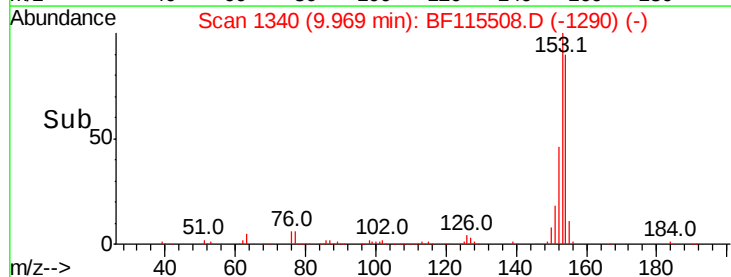
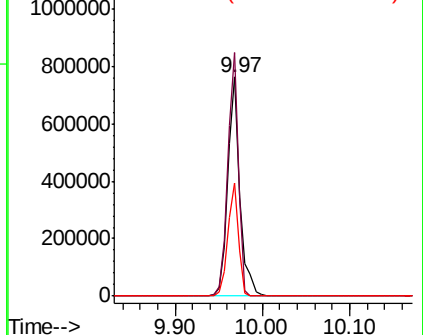


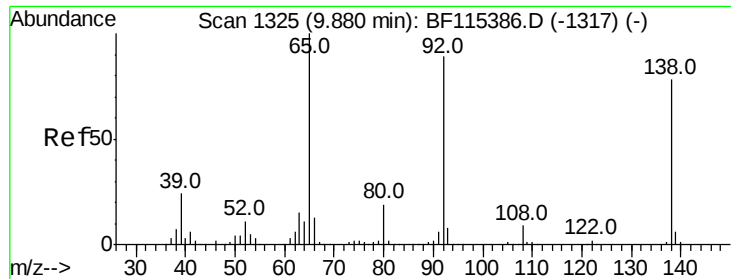
#52
Acenaphthene
Concen: 41.995 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.8	134.8
152	51.4	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





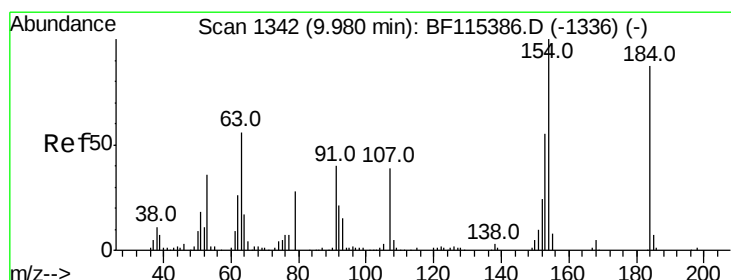
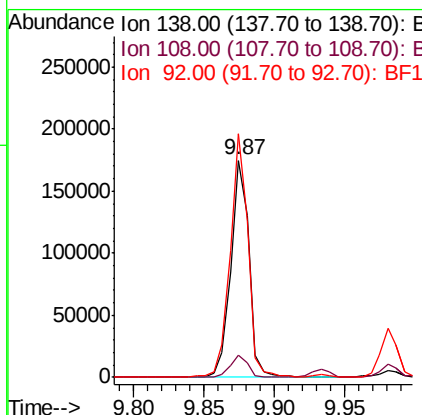
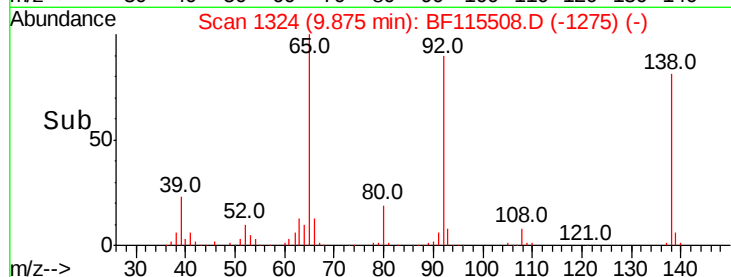
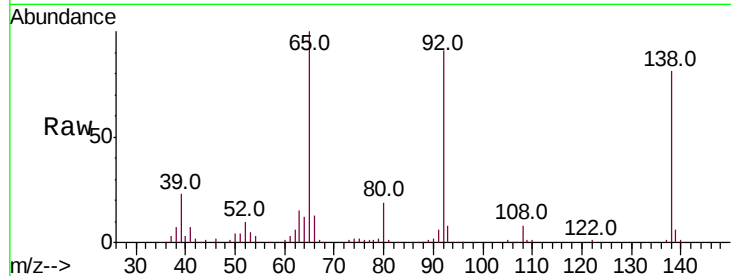
#53
3-Nitroaniline
Concen: 29.455 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.5	12.7
92	112.0	86.1	129.1

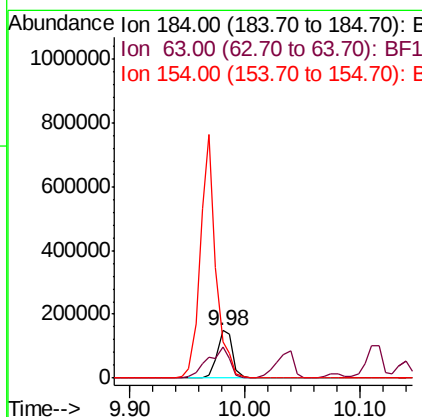
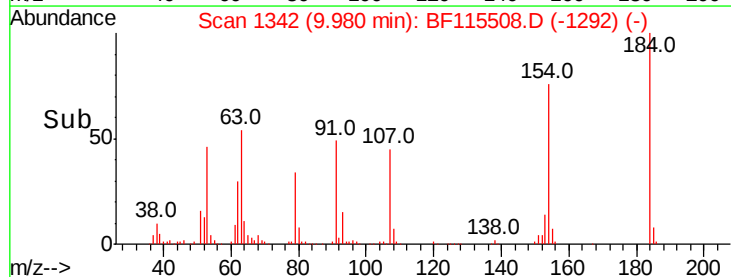
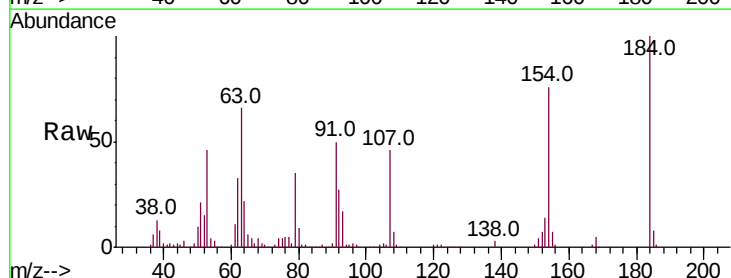
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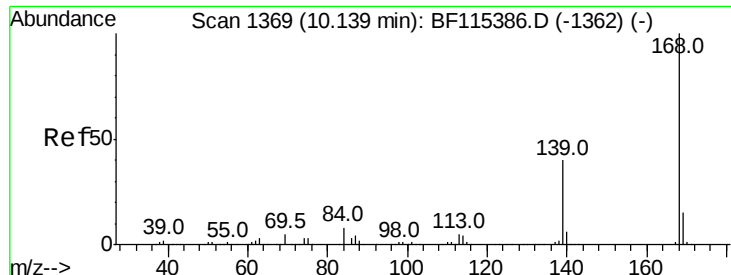
mohammad
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#54
2,4-Dinitrophenol
Concen: 71.614 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.5	45.8	68.6
154	76.4	52.8	79.2





#55

Dibenzenofuran

Concen: 40.262 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

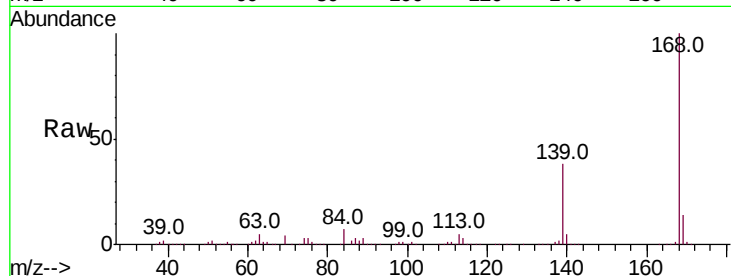
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	989143		
139	37.8	30.6	46.0	
169	14.0	11.0	16.6	

Manual Integrations
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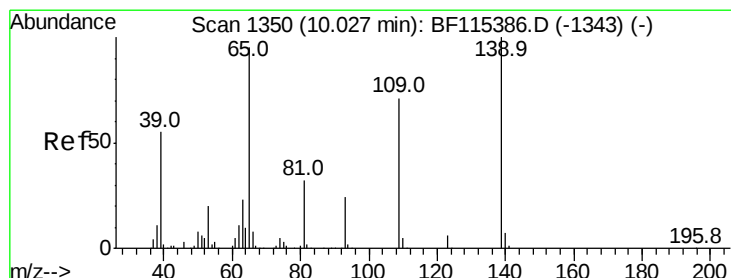
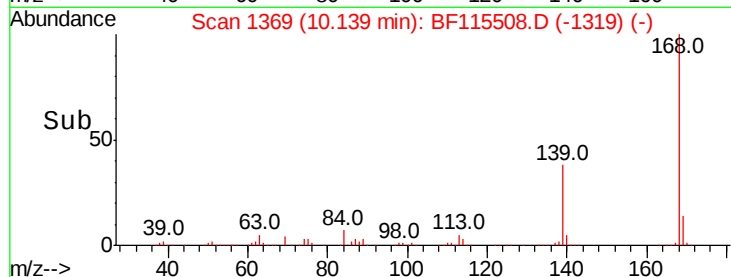
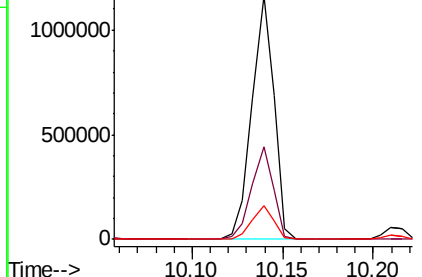
mohammad
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 87.227 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BF115508.D

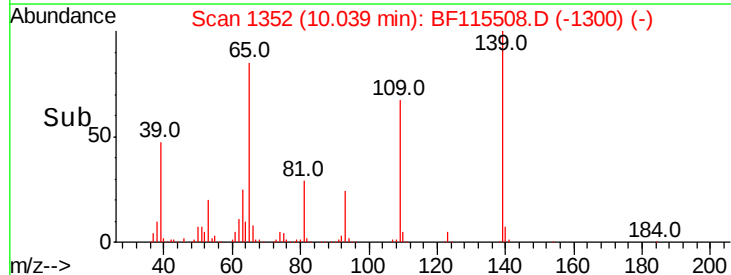
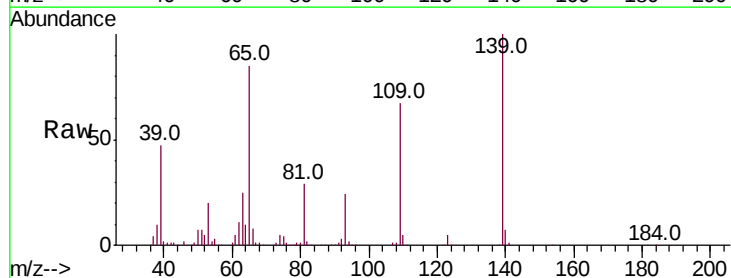
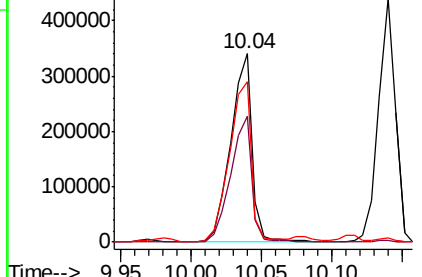
Acq: 11 Jul 2019 21:35

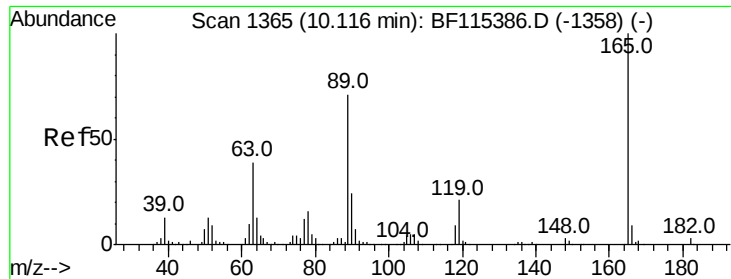
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	359420		
109	66.7	46.4	86.4	
65	85.5	73.4	113.4	

Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





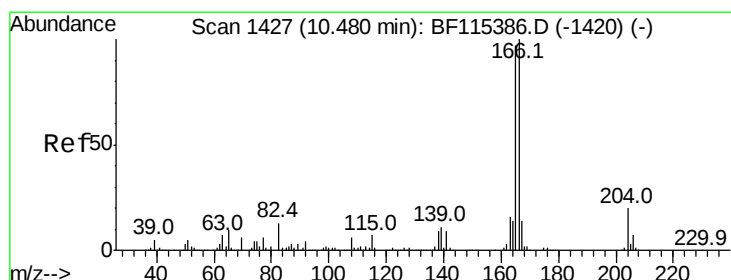
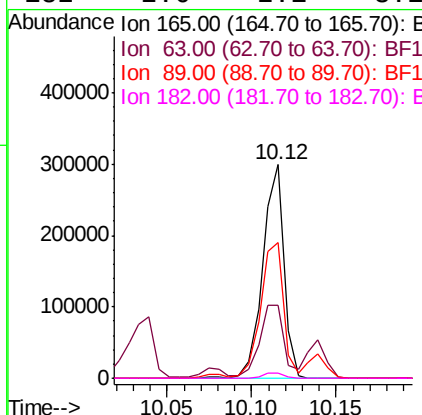
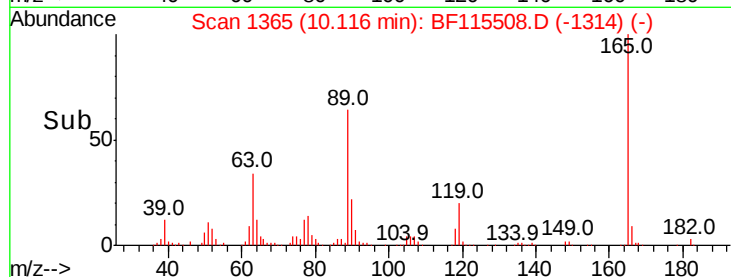
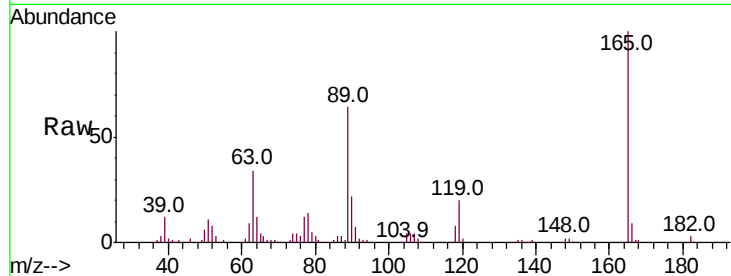
#57
 2,4-Dinitrotoluene
 Concen: 44.692 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	34.2	33.0	49.4
89	63.7	58.5	87.7
182	2.6	2.1	3.1

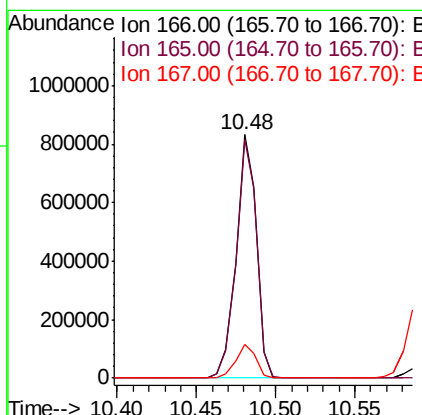
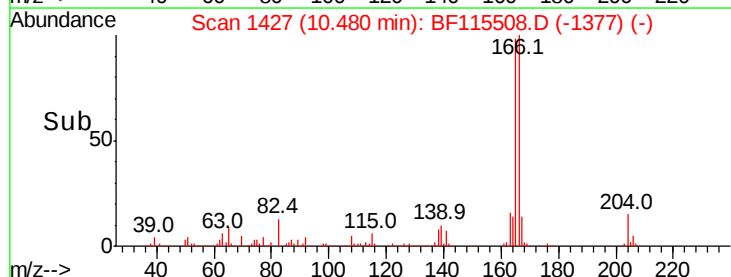
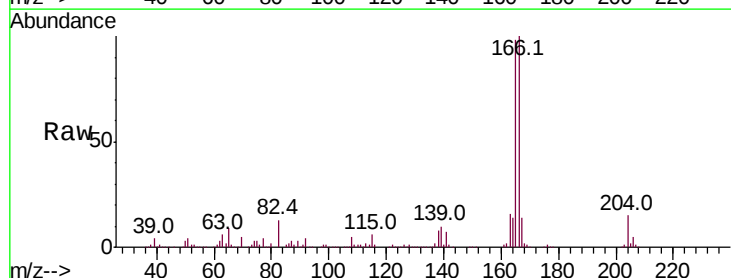
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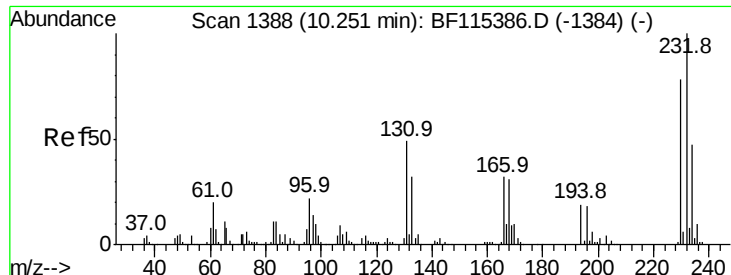
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#58
 Fluorene
 Concen: 38.046 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.7	118.1
167	13.7	10.8	16.2





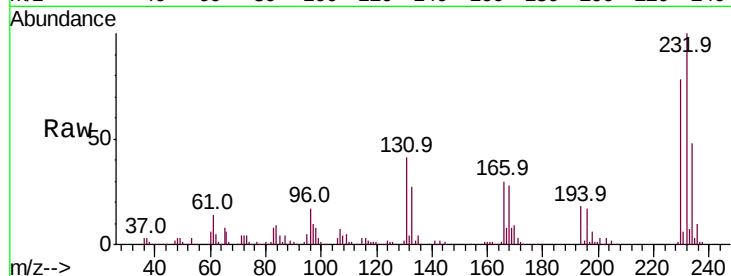
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.292 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

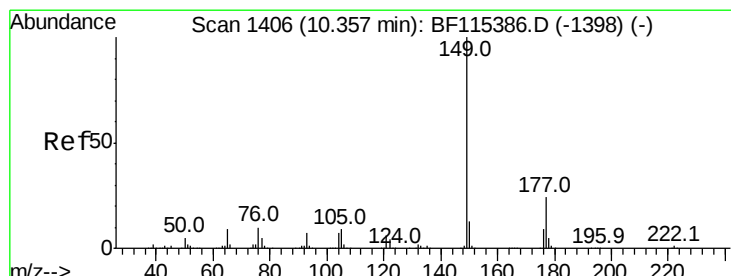
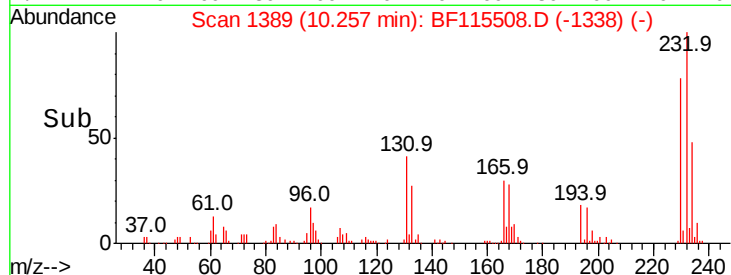
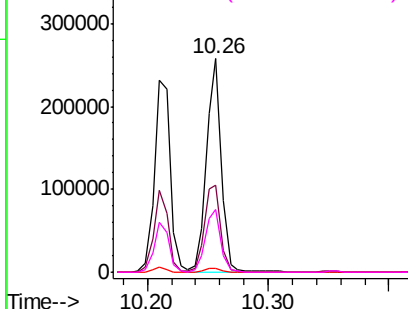
Tot Ion	Ratio	Resp	Lower	Upper
232	100	218228		
131	44.2		35.4	53.0
130	2.1		1.7	2.5
166	30.5		24.8	37.2

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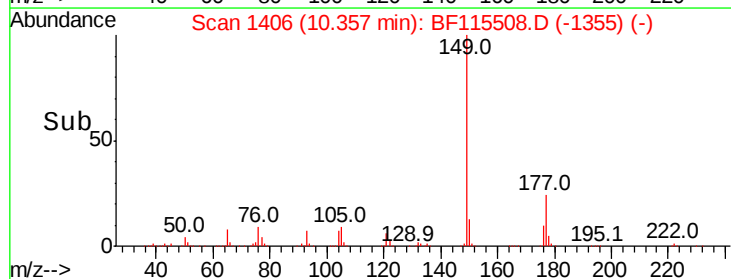
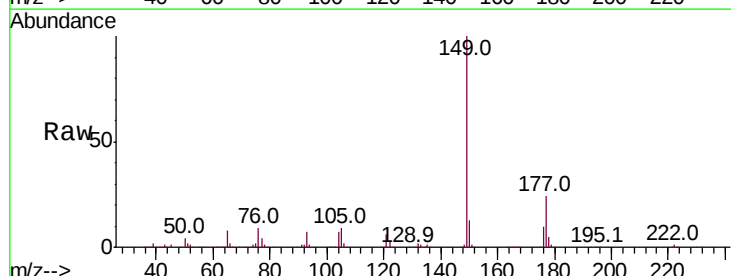
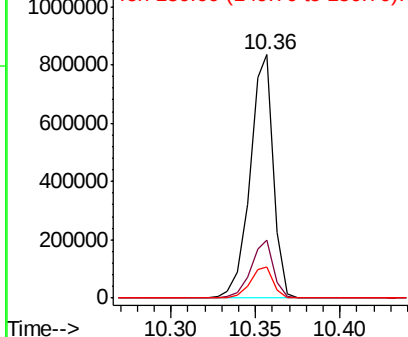
Abundance Ion 232.00 (231.70 to 232.70): E
 400000
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

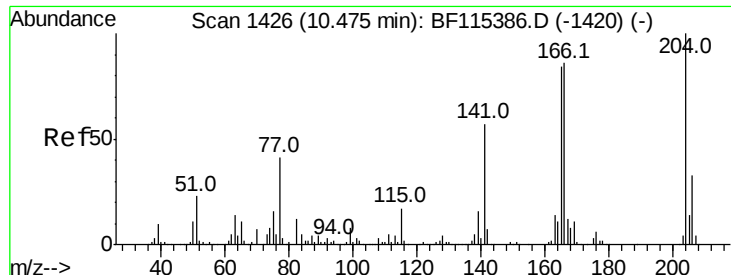


#60
 Diethylphthalate
 Concen: 38.587 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. 0.00 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	803043		
177	23.8		19.0	28.4
150	12.7		10.4	15.6

Abundance Ion 149.00 (148.70 to 149.70): E
 1000000
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





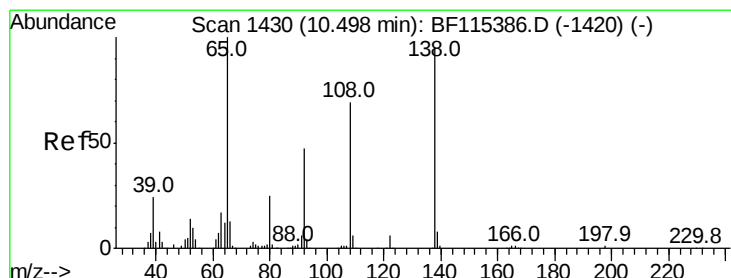
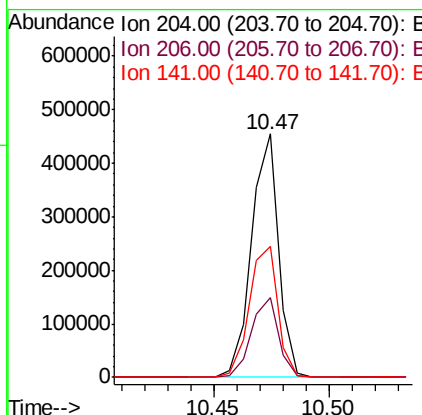
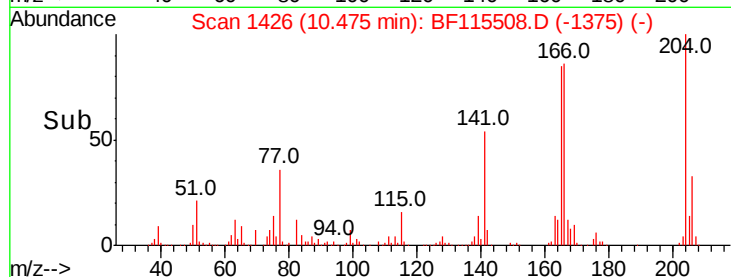
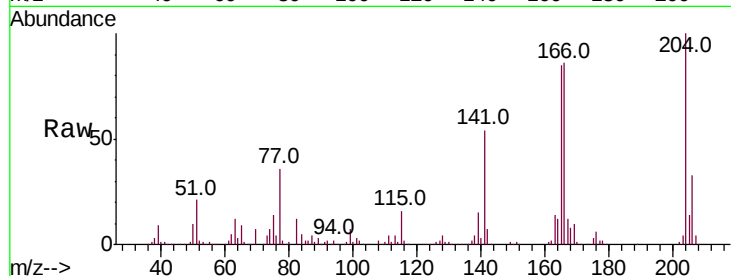
#61
4-Chlorophenyl-phenylether
Concen: 39.433 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.8	40.2
141	53.7	47.9	71.9

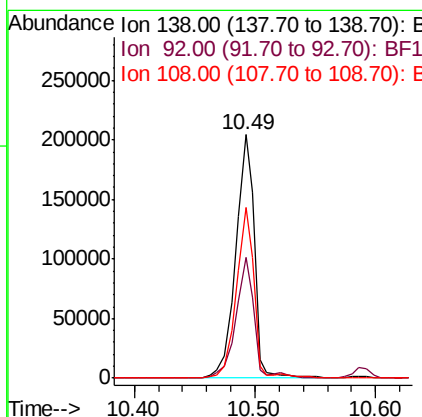
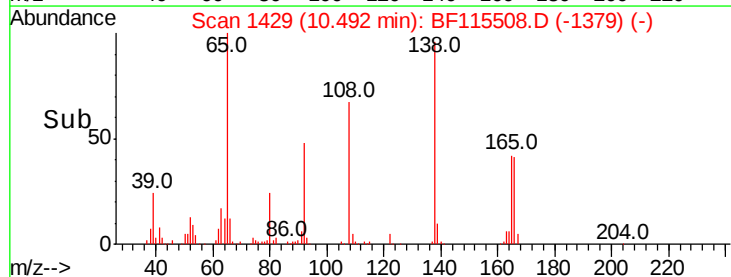
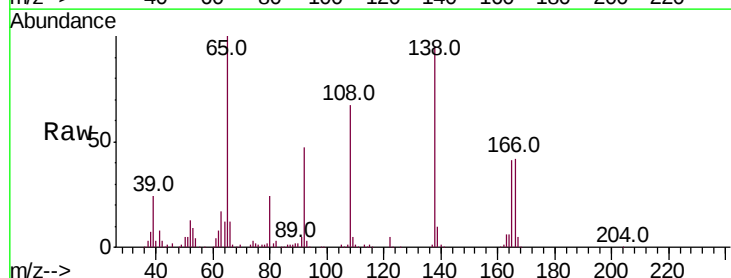
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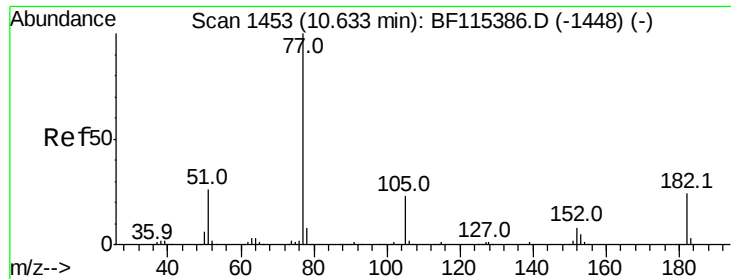
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#62
4-Nitroaniline
Concen: 42.066 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.6	29.9	69.9
108	70.1	49.0	89.0





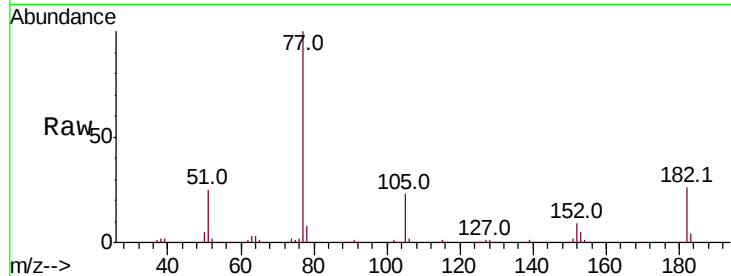
#63
Azobenzene
Concen: 36.865 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

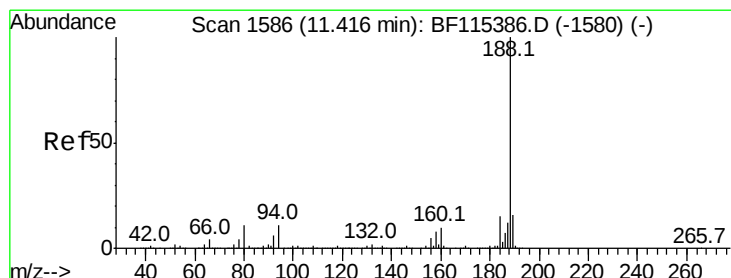
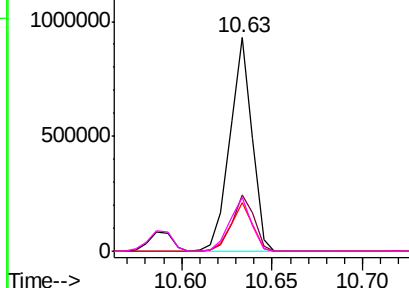
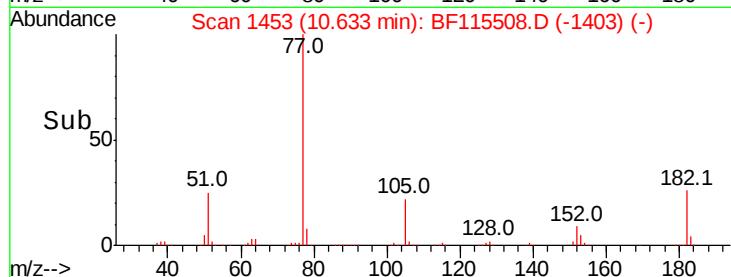
Tot Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.7	47.7
105	23.1	3.6	43.6
51	25.4	4.8	44.8

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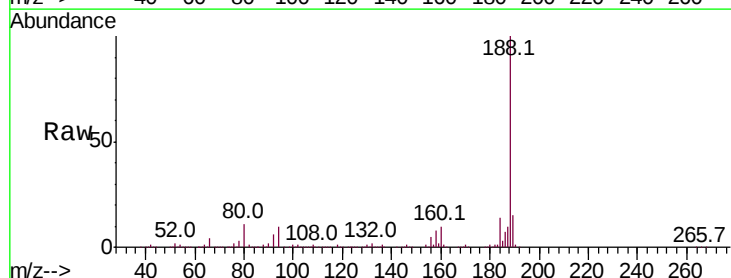


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

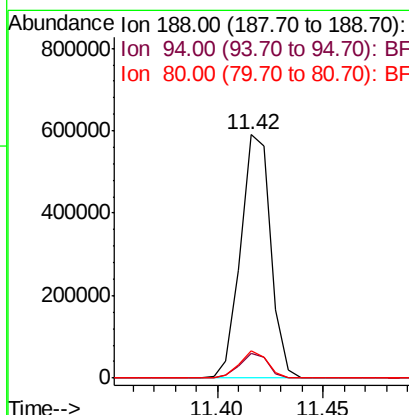
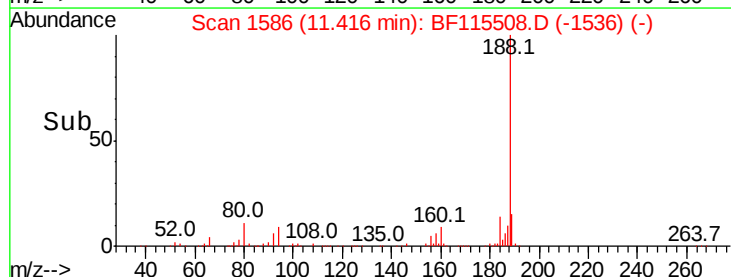


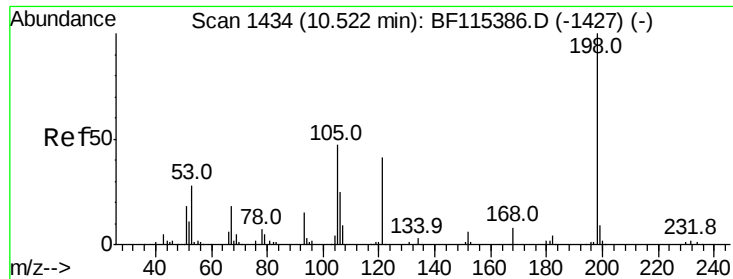
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.8
80	11.3	8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 46.216 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

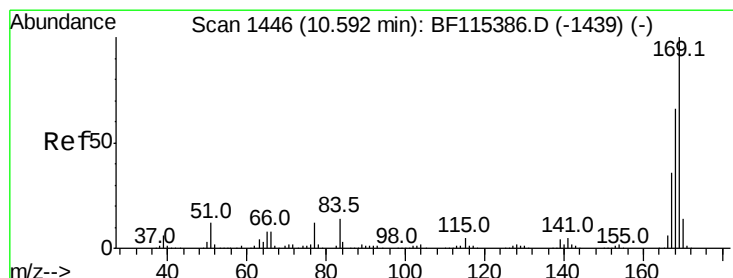
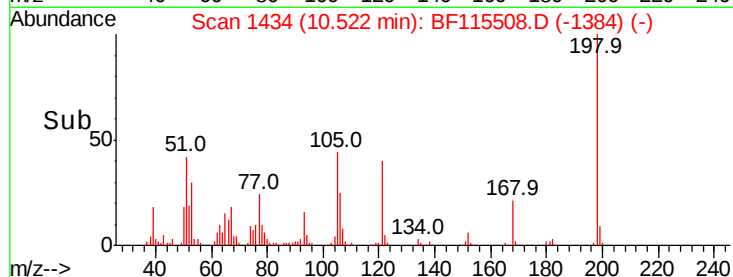
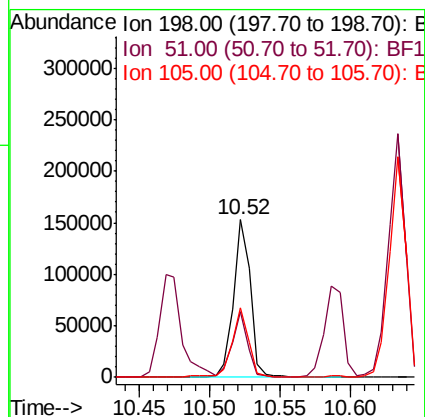
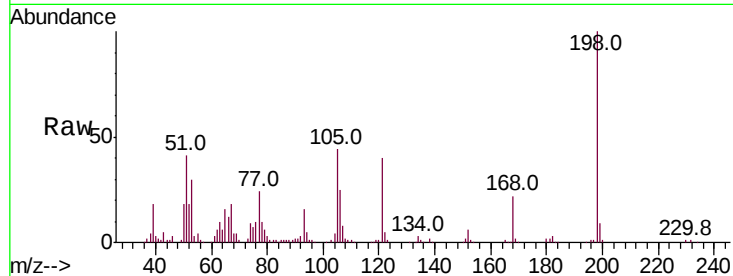
ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:	198	Resp:	127743
Ion Ratio	Lower	Upper	
198	100		
51	41.5	20.7	60.7
105	44.3	25.3	65.3

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#66

n-Nitrosodiphenylamine

Concen: 37.661 ng

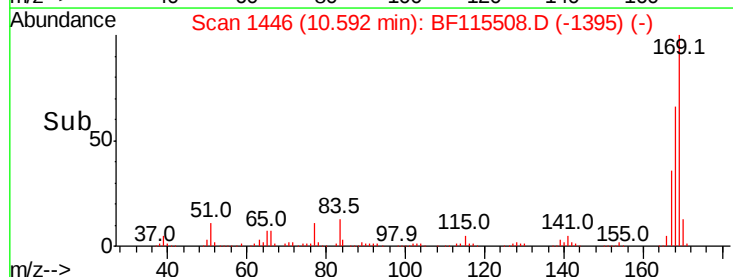
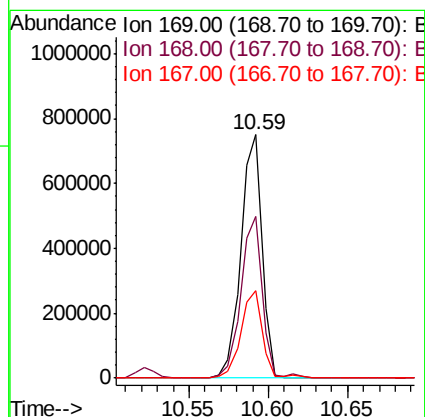
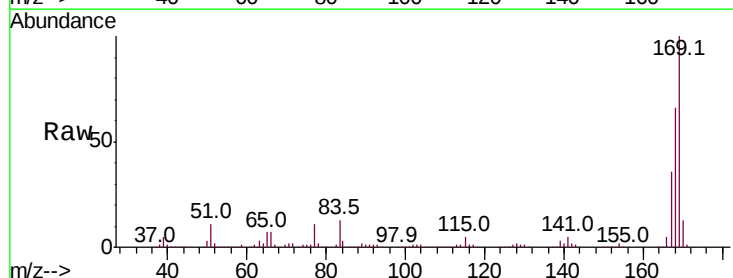
RT: 10.59 min Scan# 1446

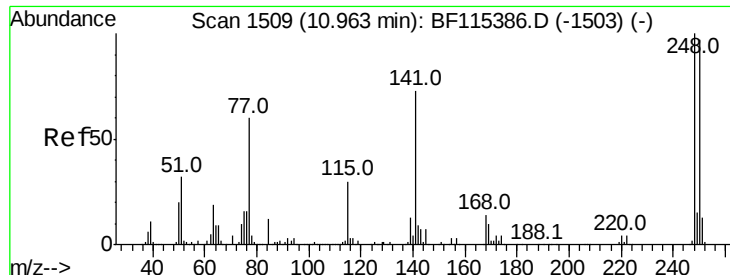
Delta R.T. 0.00 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion:	169	Resp:	690212
Ion Ratio	Lower	Upper	
169	100		
168	66.3	53.2	79.8
167	36.0	29.4	44.2





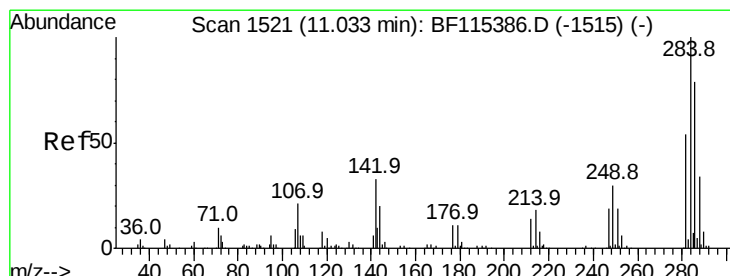
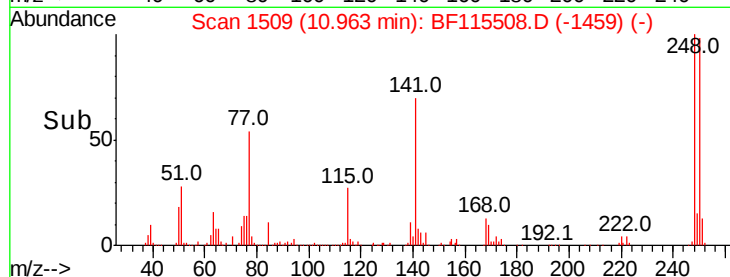
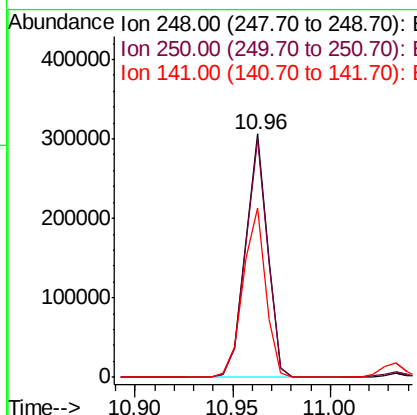
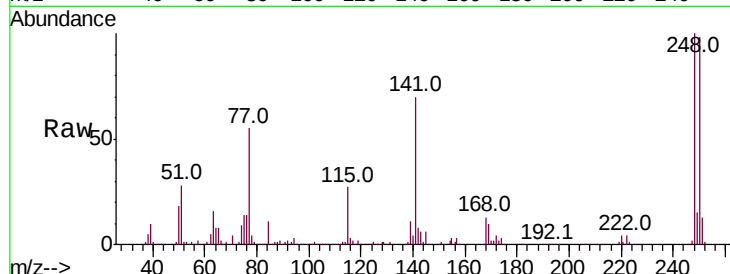
#67
4-Bromophenyl-phenylether
Concen: 36.923 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.3	117.5
141	69.7	52.2	78.2

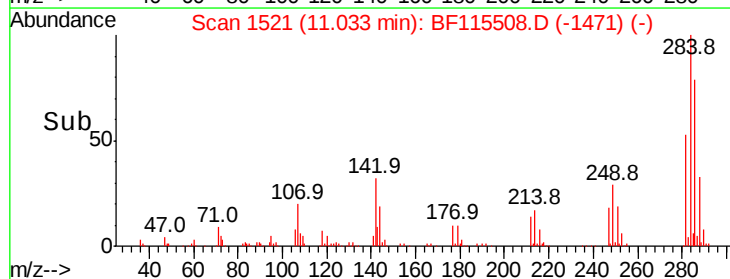
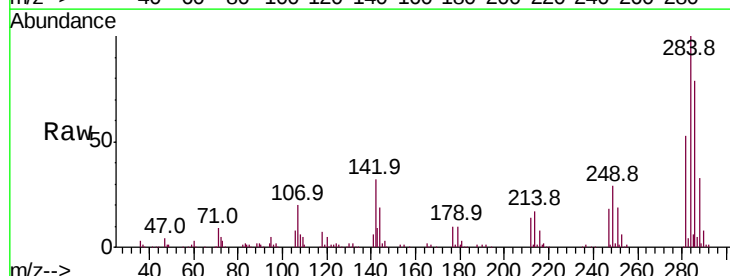
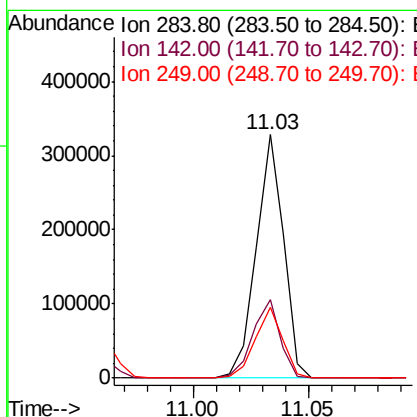
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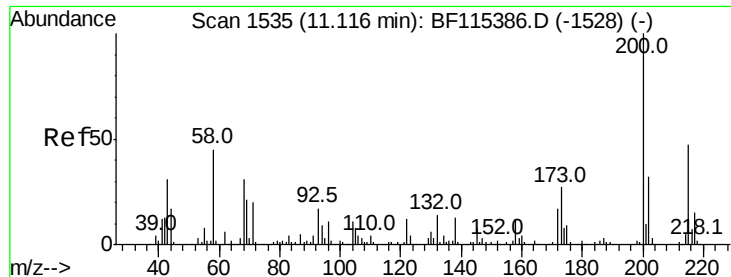
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#68
Hexachlorobenzene
Concen: 37.238 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.3	23.9	35.9
249	29.2	23.6	35.4





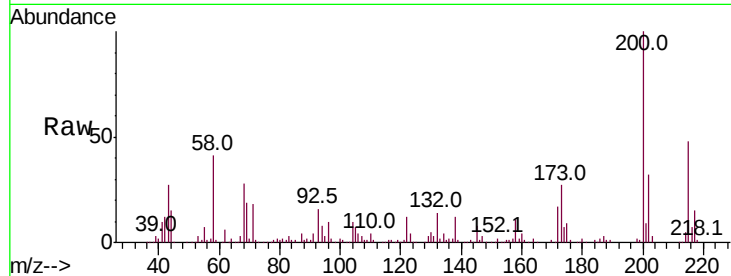
#69
Atrazine
Concen: 41.486 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.2	7.0	47.0
215	47.6	27.8	67.8

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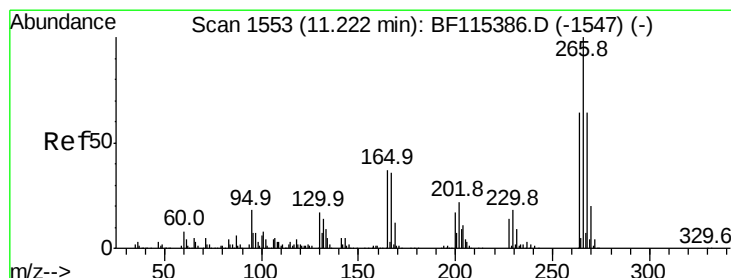
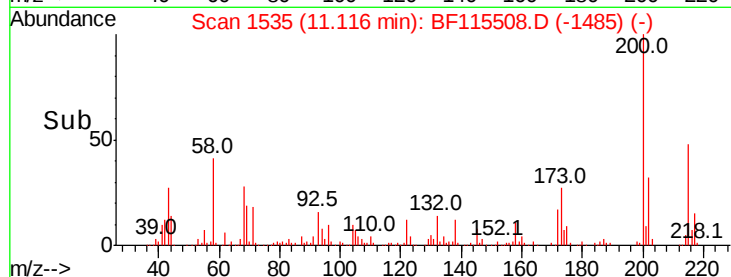
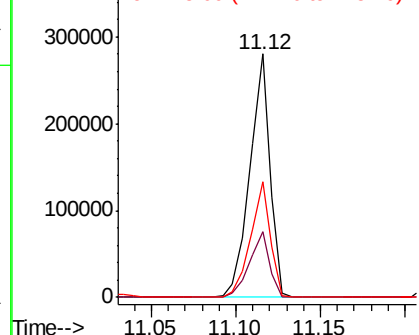


Abundance

Ion 200.00 (199.70 to 200.70): E

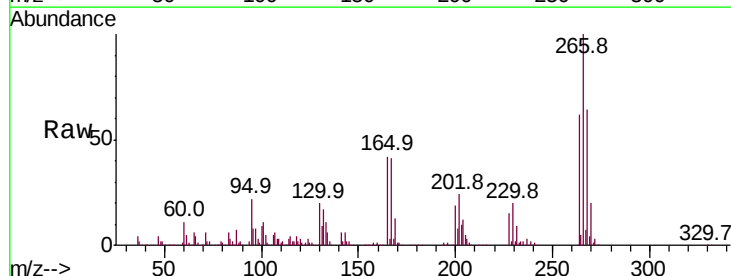
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 73.321 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.6	51.2	76.8
264	62.3	50.6	75.8

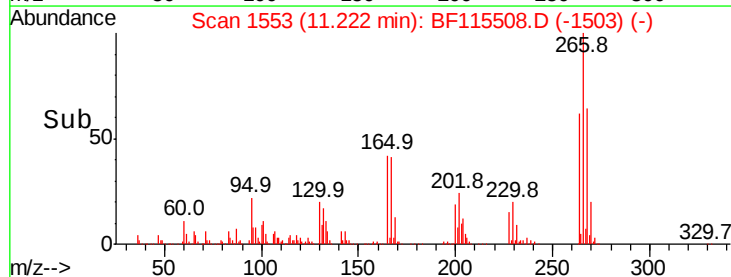
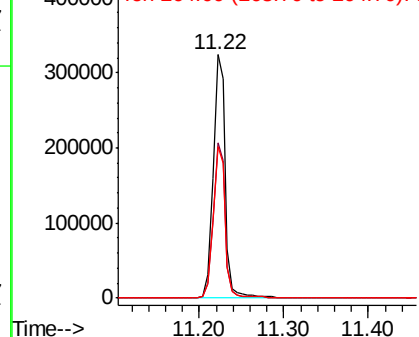


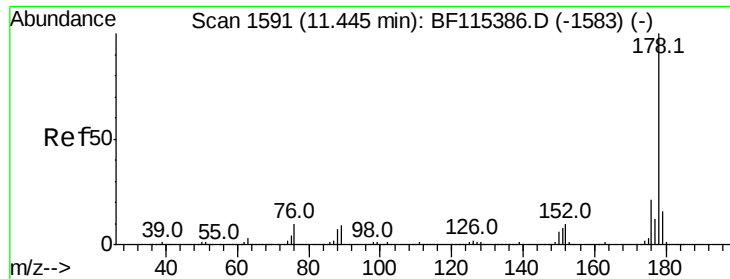
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





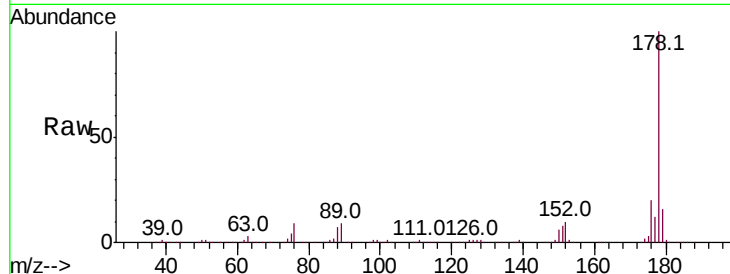
#71
Phenanthrene
Concen: 38.232 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

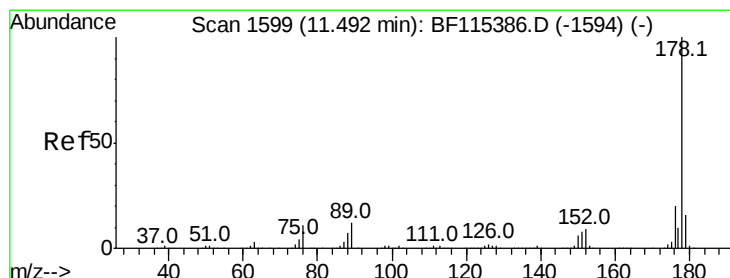
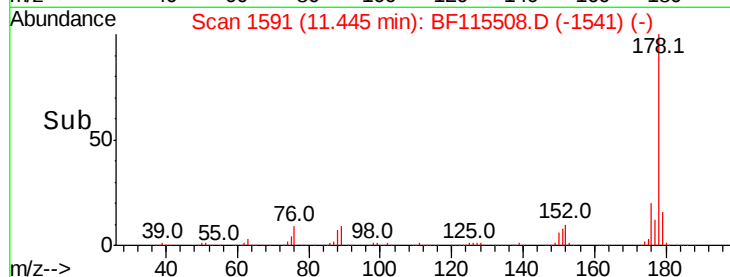
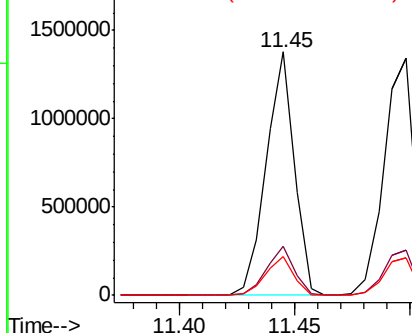
Tot Ion:178 Resp: 1169527
Ion Ratio Lower Upper
178 100
176 20.2 16.6 24.8
179 16.0 12.7 19.1

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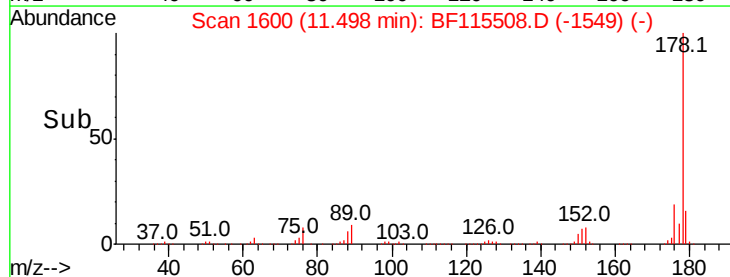
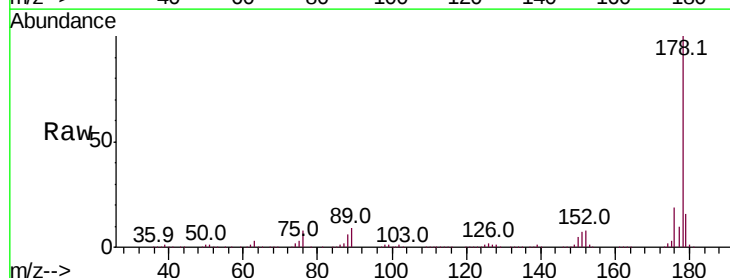
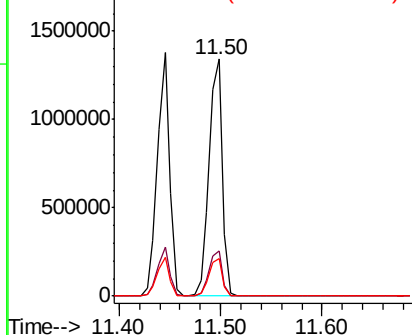
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

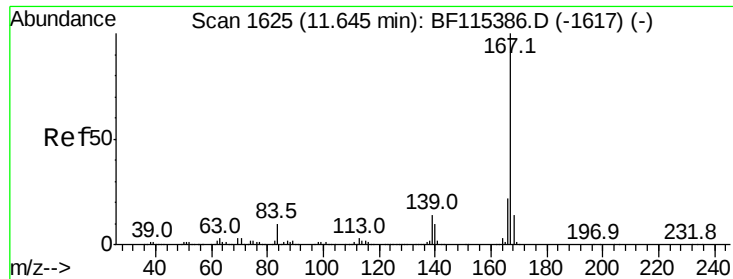


#72
Anthracene
Concen: 39.957 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion:178 Resp: 1225684
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 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





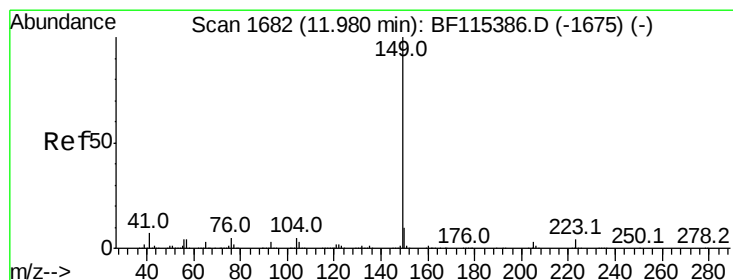
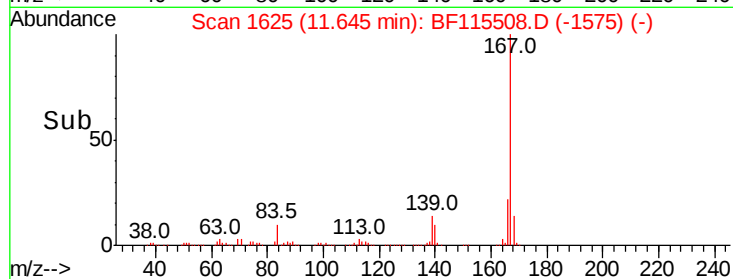
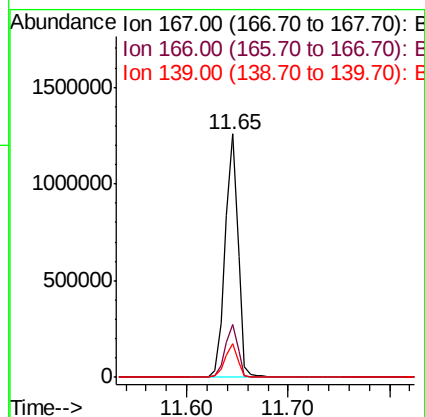
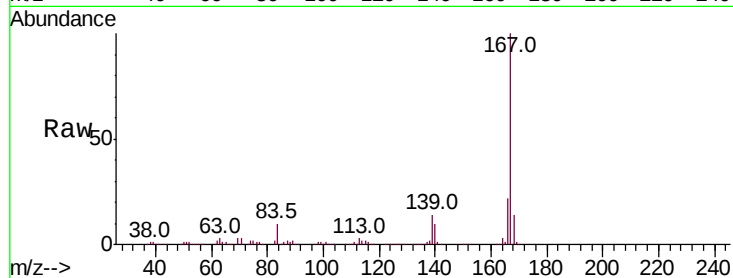
#73
 Carbazole
 Concen: 39.766 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	13.8	10.9	16.3

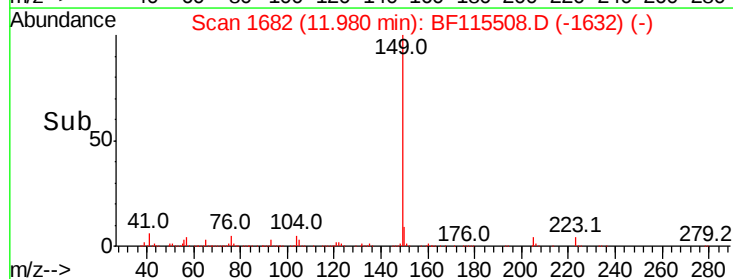
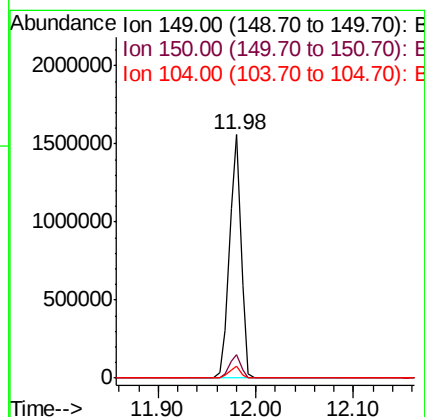
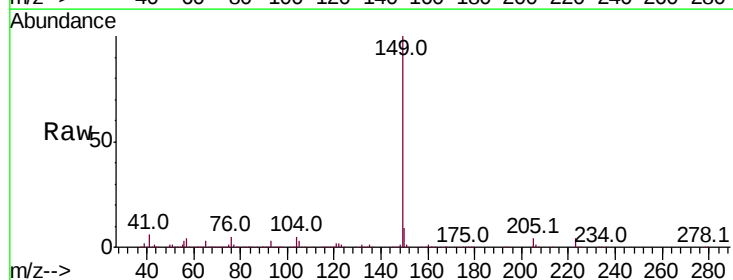
Manual Integrations
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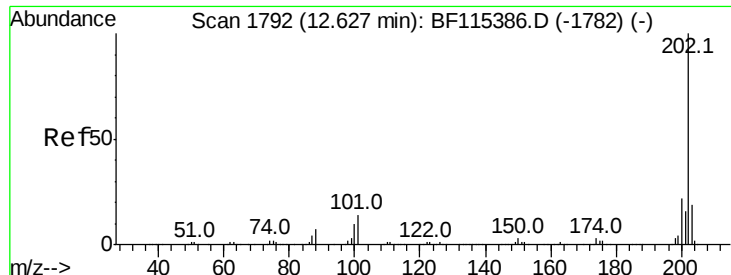
mohammad
 7/12/2019 10:37:35 PM



#74
 Di-n-butylphthalate
 Concen: 37.676 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.0	3.9	5.9





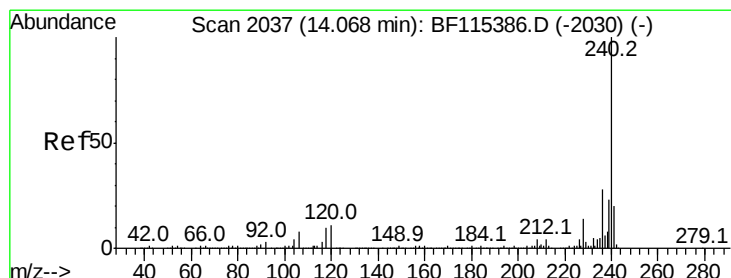
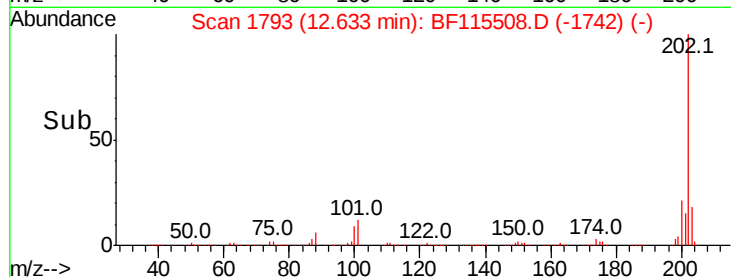
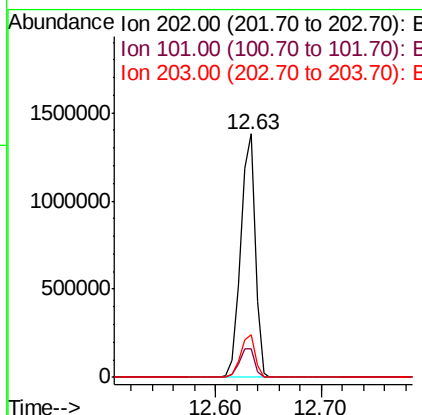
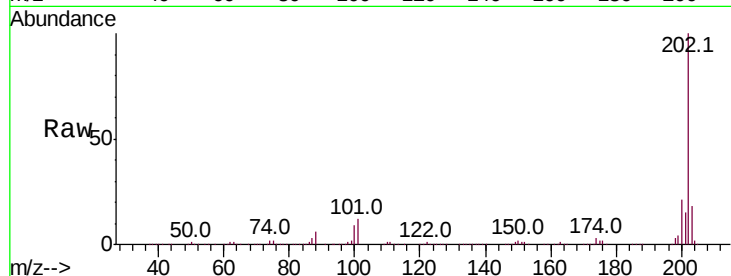
#75
Fluoranthene
 Concen: 40.158 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.9
203	17.8	0.0	38.4

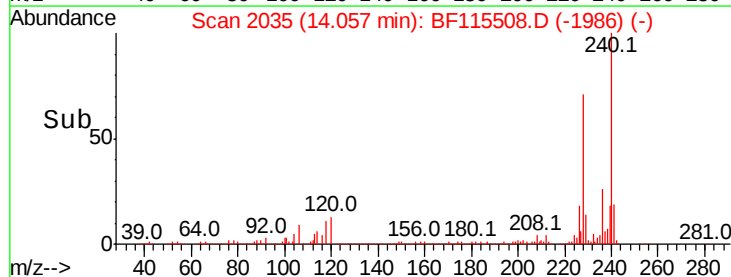
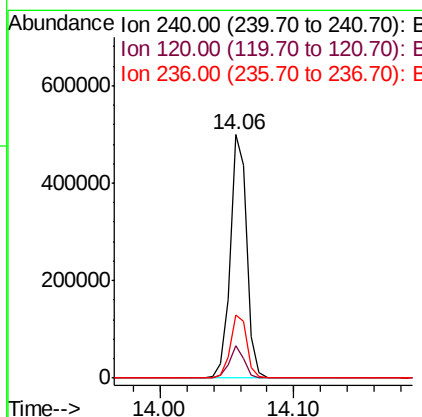
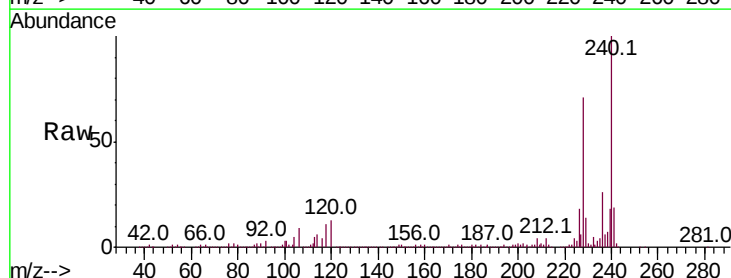
Manual Integrations
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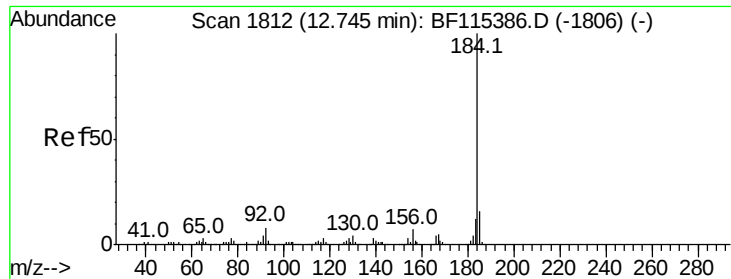
mohammad
 7/12/2019 10:37:35 PM



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.2	15.4
236	26.2	21.1	31.7





#77

Benzidine

Concen: 10.251 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

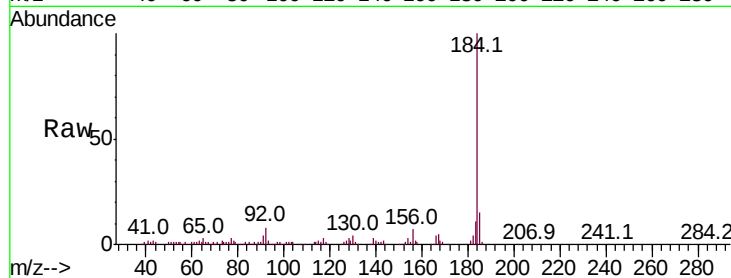
ClientSampleId :

MANHOLE-TEST-PITMS

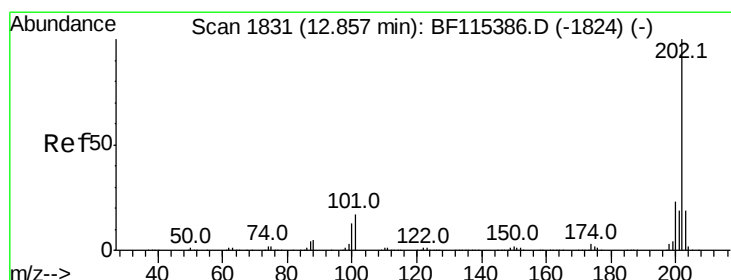
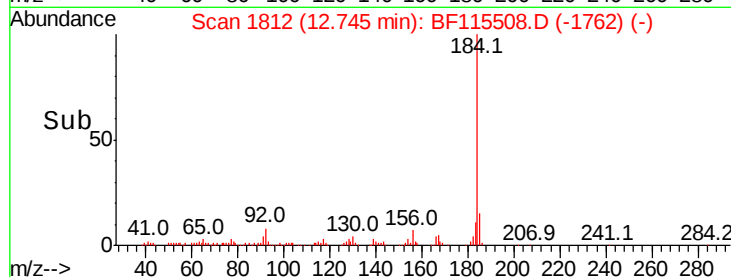
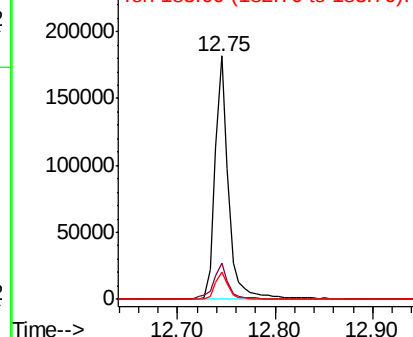
Tot Ion:	184	Resp:	173860
Ion Ratio	Lower	Upper	
184	100		
185	14.7	13.0	19.6
183	11.2	9.7	14.5

Manual Integrations
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 39.316 ng

RT: 12.86 min Scan# 1832

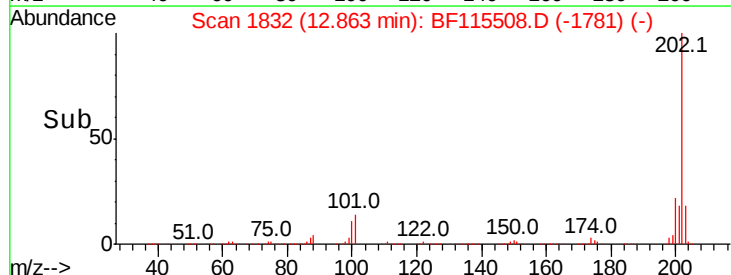
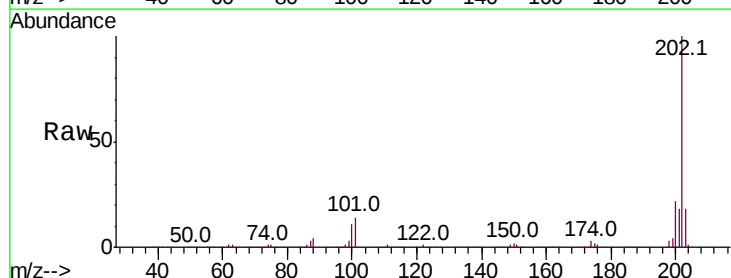
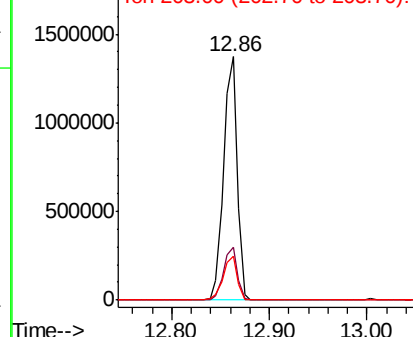
Delta R.T. 0.00 min

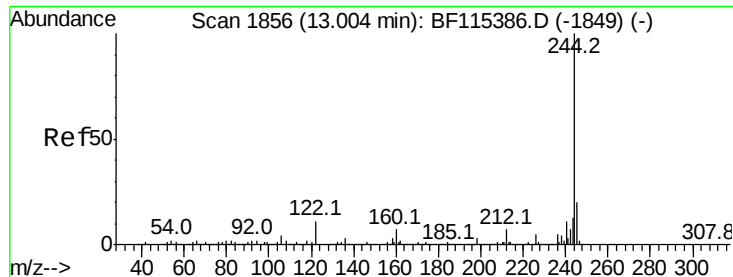
Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Tgt Ion:	202	Resp:	1329700
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.6	26.4
203	18.0	14.7	22.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





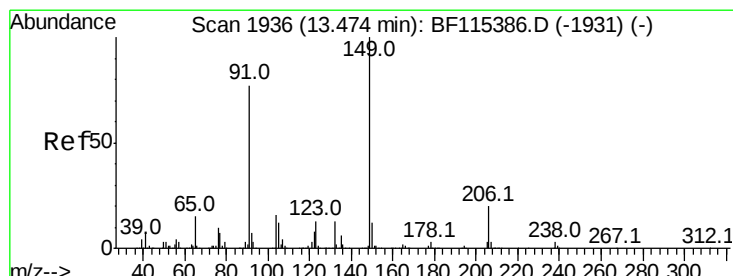
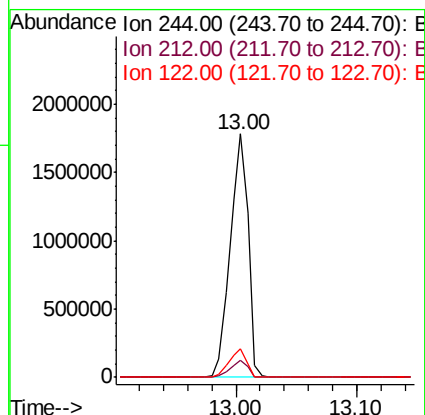
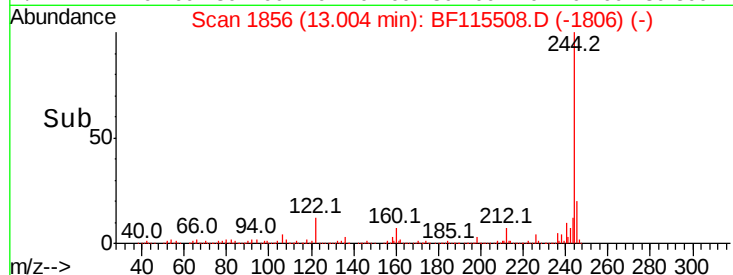
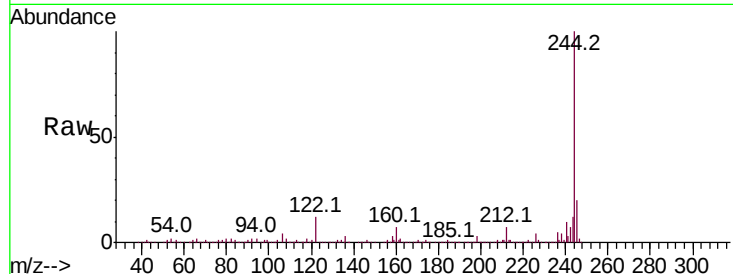
#79
 Terphenyl-d14
 Concen: 85.921 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.5	9.1	13.7

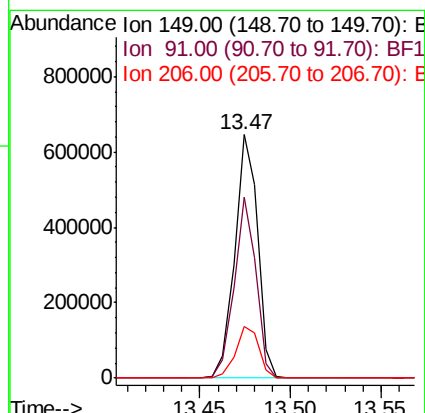
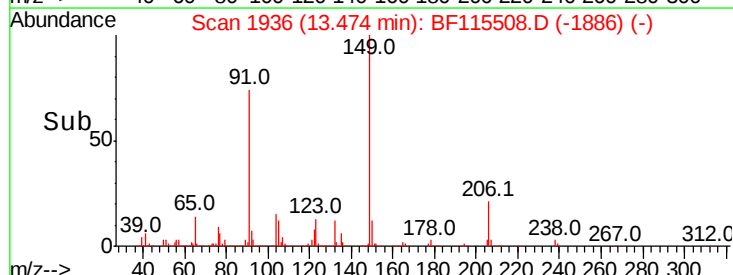
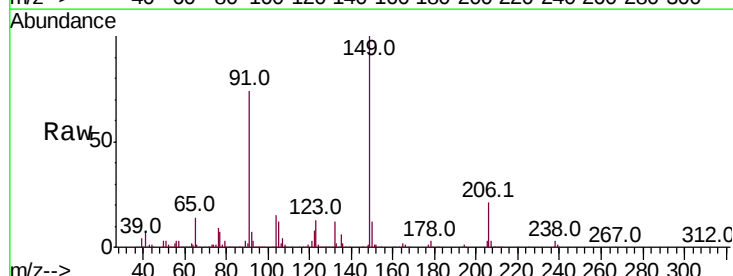
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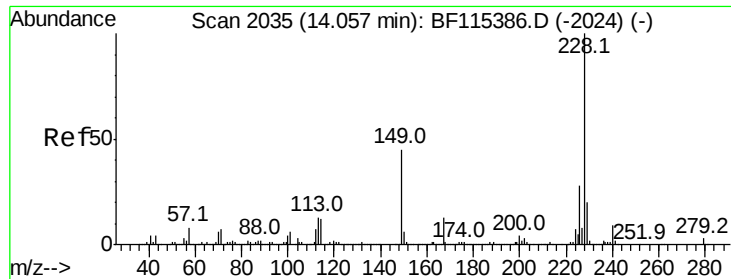
mohammad
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#80
 Butylbenzylphthalate
 Concen: 38.373 ng
 RT: 13.47 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BF115508.D
 Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.1	57.8	86.6
206	21.0	16.9	25.3





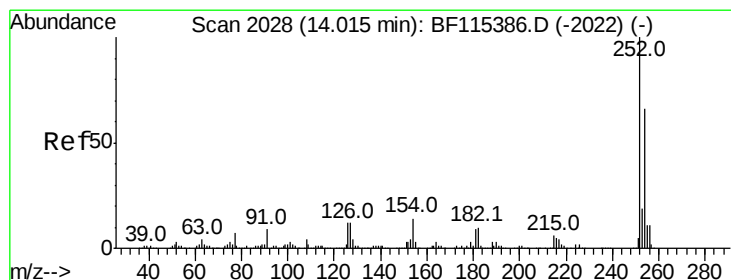
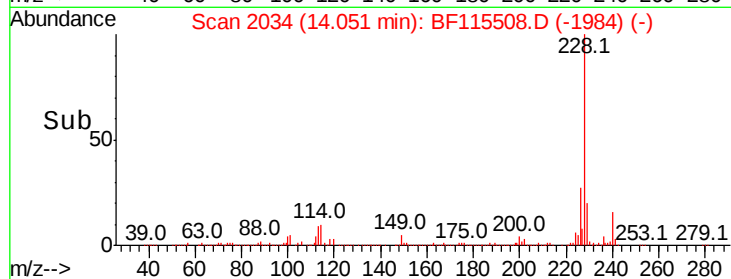
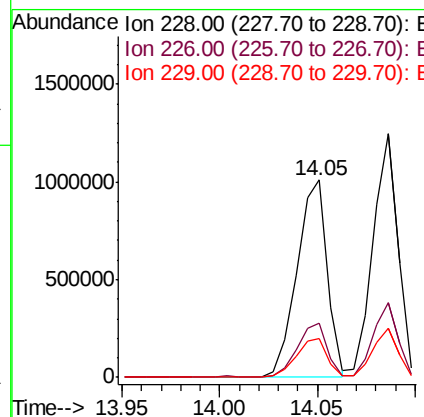
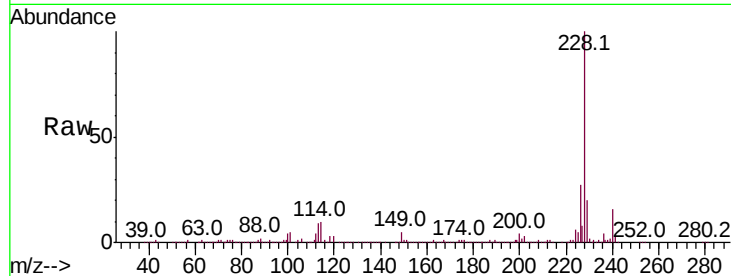
#81
Benzo(a)anthracene
Concen: 38.891 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion:228 Resp: 1083752
Ion Ratio Lower Upper
228 100
226 27.4 22.6 34.0
229 19.8 16.4 24.6

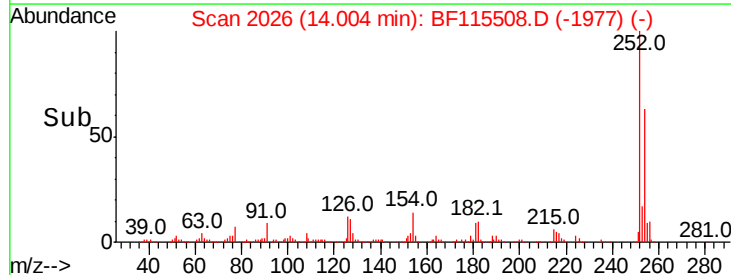
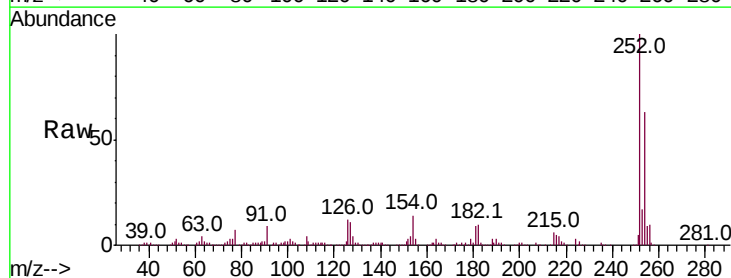
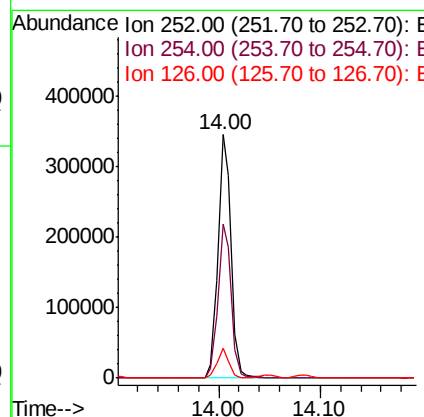
Manual Integrations
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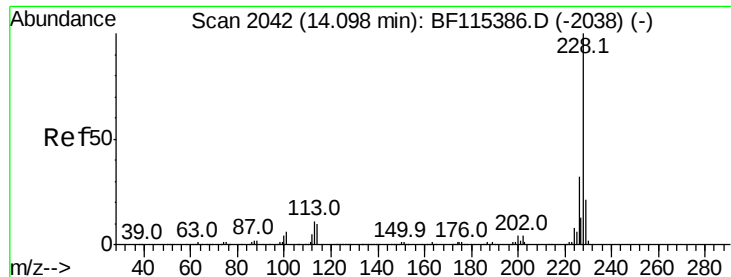
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 30.718 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion:252 Resp: 310603
Ion Ratio Lower Upper
252 100
254 63.0 52.9 79.3
126 12.4 10.0 15.0





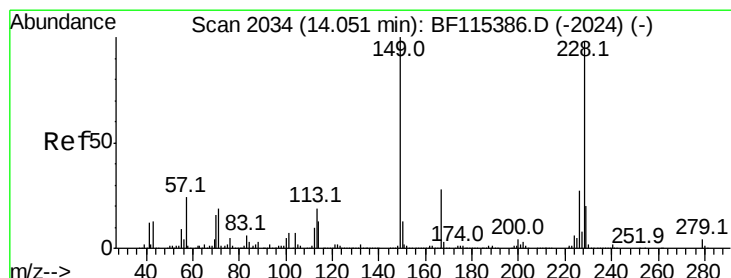
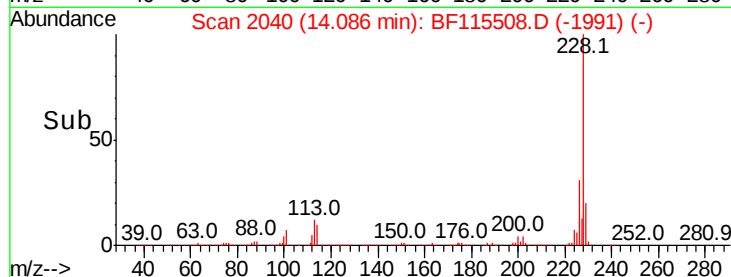
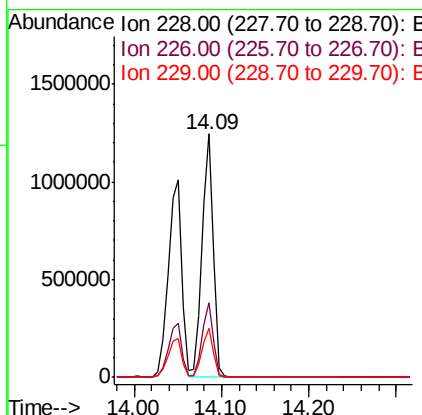
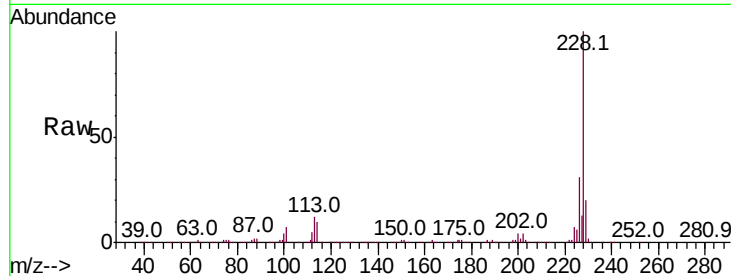
#83
Chrysene
Concen: 38.828 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion:228 Resp: 1111729
Ion Ratio Lower Upper
228 100
226 30.9 25.1 37.7
229 20.0 16.1 24.1

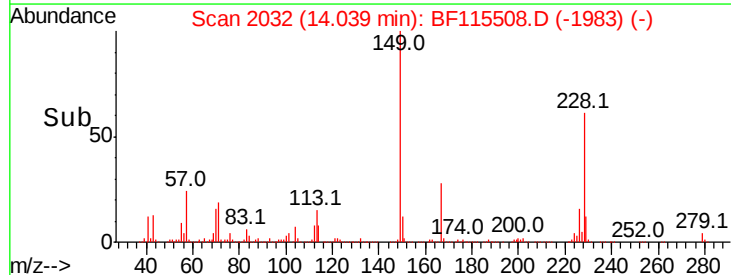
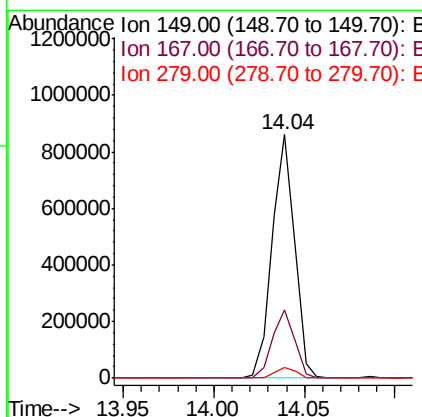
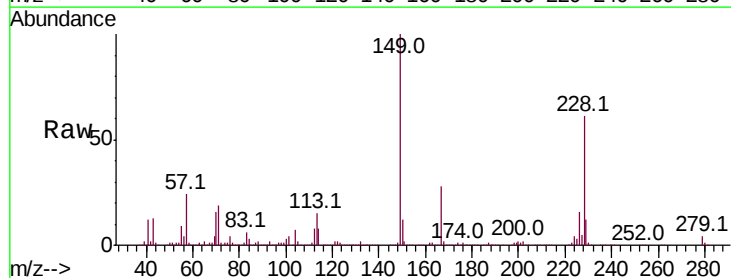
Manual Integrations
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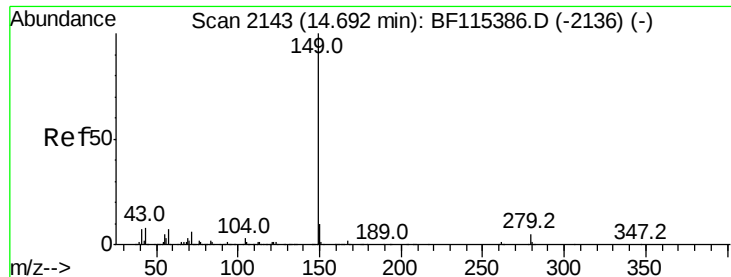
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.305 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion:149 Resp: 737587
Ion Ratio Lower Upper
149 100
167 28.0 22.6 34.0
279 4.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 38.721 ng

RT: 14.65 min Scan# 2136

Delta R.T. -0.03 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMS

Tot Ion:149 Resp: 1261478

Ion Ratio Lower Upper

149 100

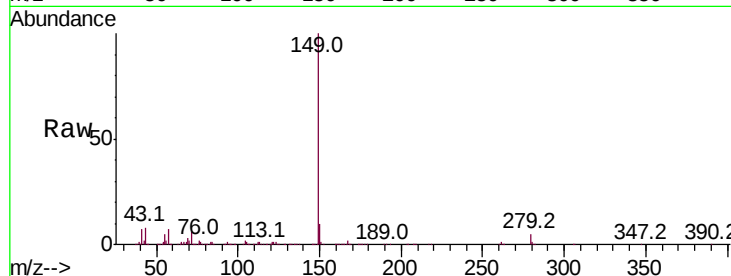
167 1.6 1.3 1.9

43 8.5 7.0 10.6

Manual Integrations
APPROVED

mohammad

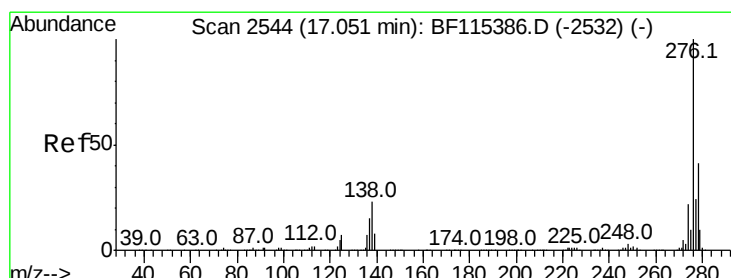
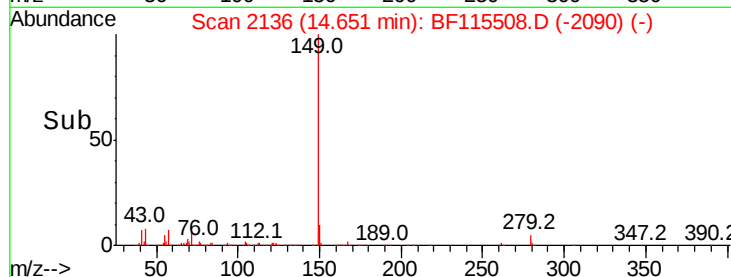
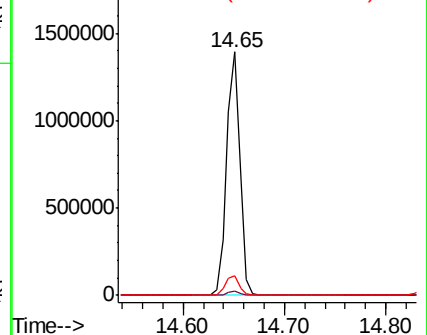
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 48.920 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.03 min

Lab File: BF115508.D

Acq: 11 Jul 2019 21:35

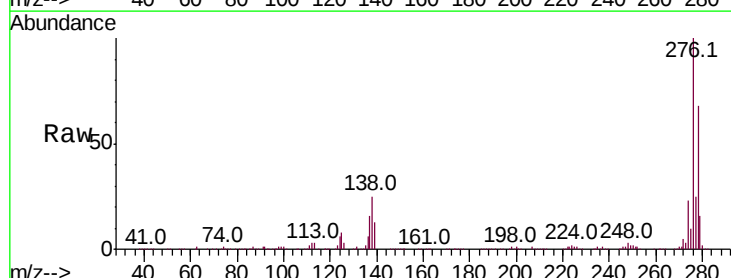
Tgt Ion:276 Resp: 1135166

Ion Ratio Lower Upper

276 100

138 25.5 20.6 31.0

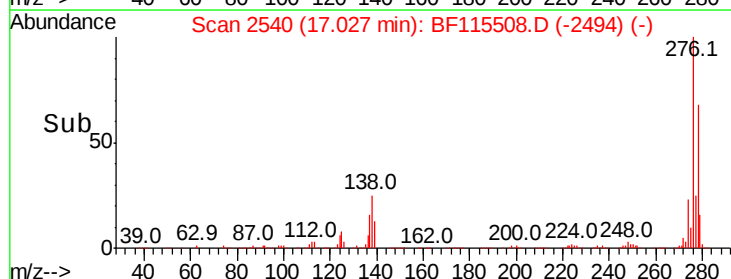
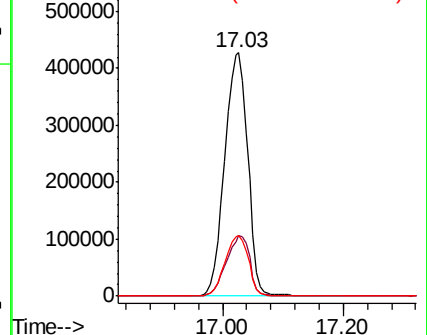
277 25.3 20.2 30.2

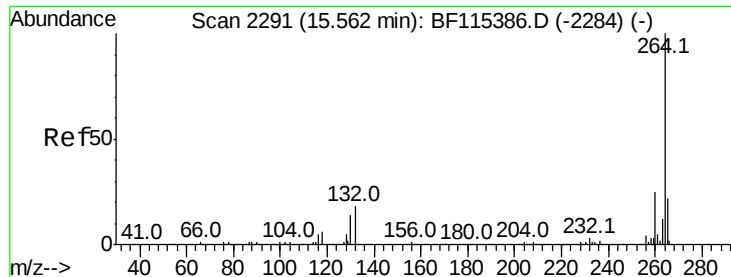


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





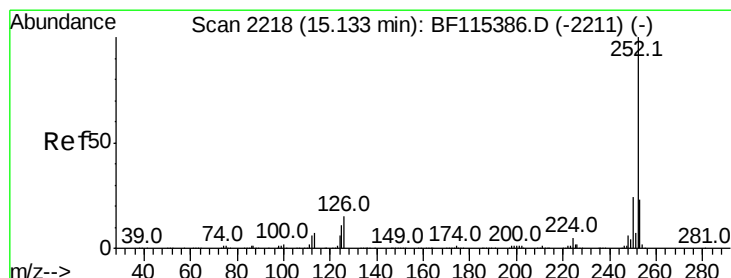
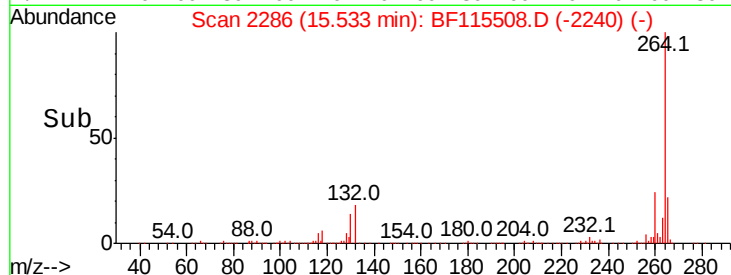
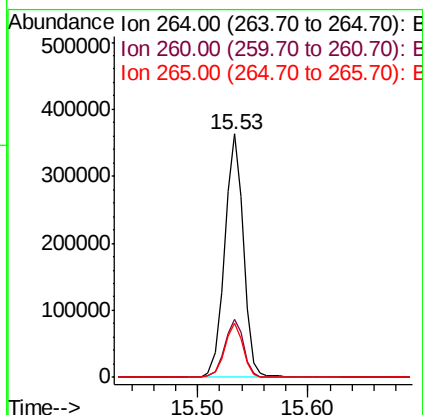
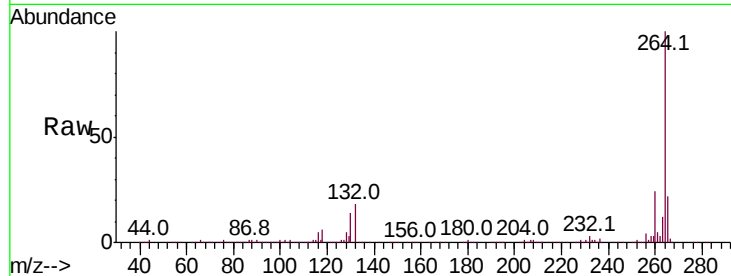
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.03 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.1	30.1
265	22.1	17.8	26.6

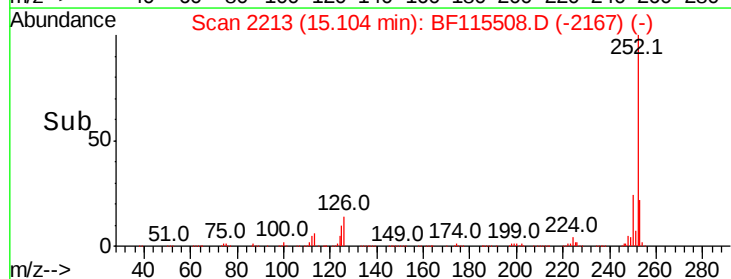
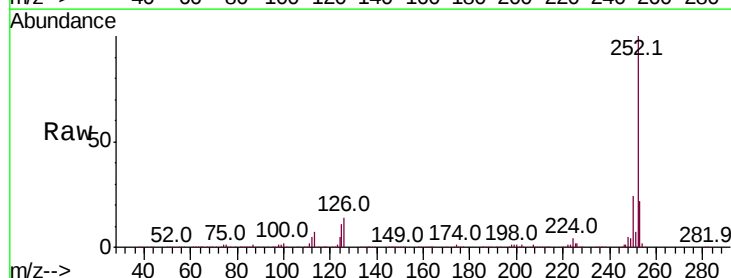
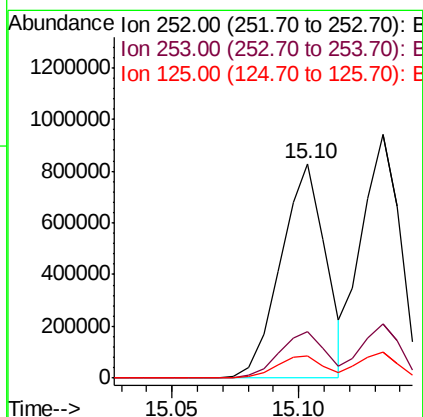
Manual Integrations
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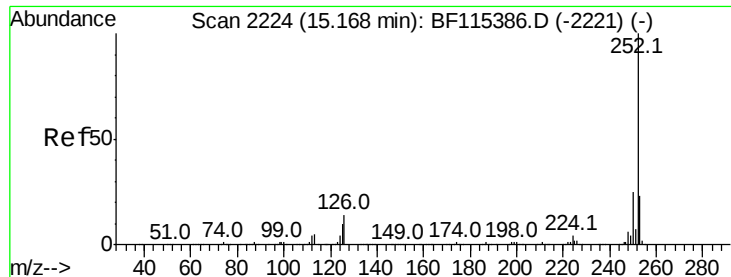
mohammad
7/12/2019 10:37:35 PM



#88
Benzo(b)fluoranthene
Concen: 36.376 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	10.6	8.5	12.7





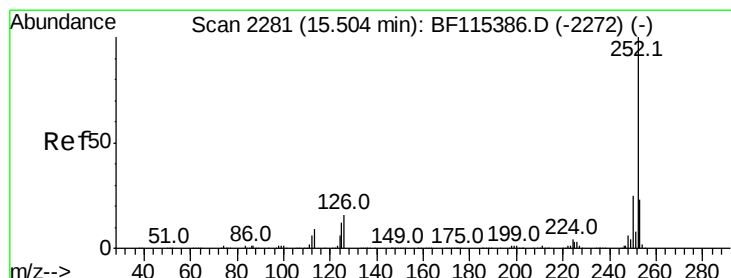
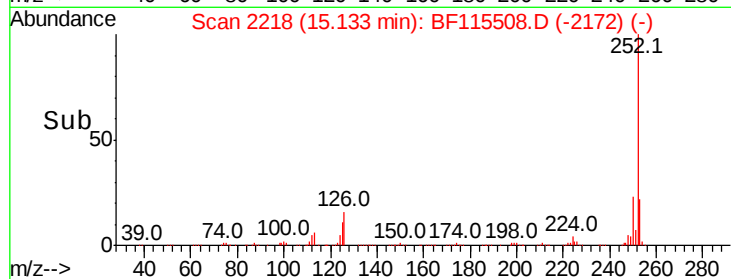
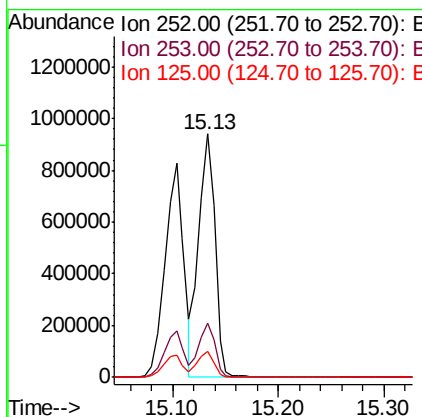
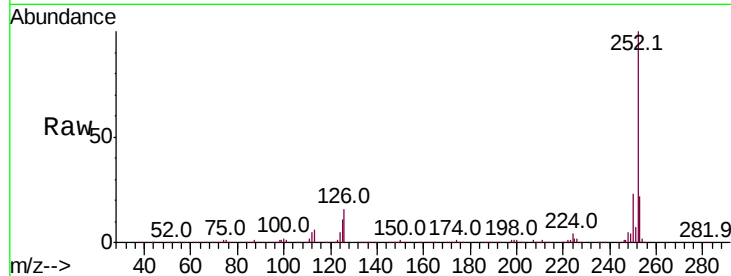
#89
Benzo(k)fluoranthene
Concen: 40.111 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

Tot Ion:252 Resp: 1002589
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 10.6 8.6 13.0

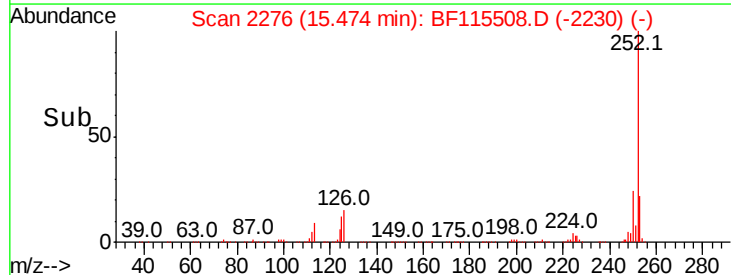
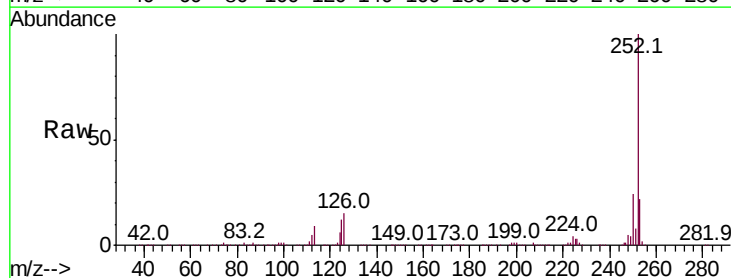
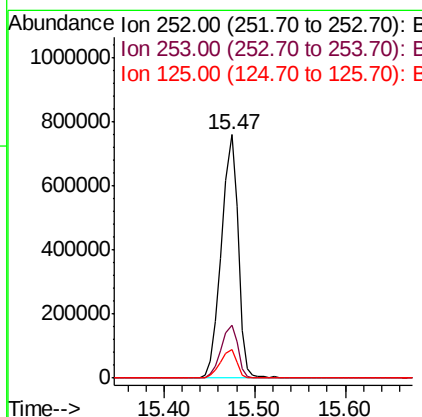
Manual Integrations
APPROVED

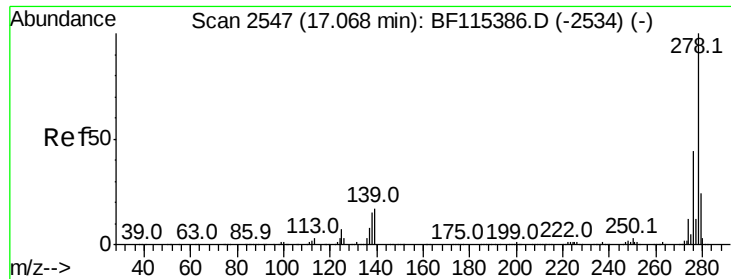
mohammad
7/12/2019 10:37:35 PM



#90
Benzo(a)pyrene
Concen: 39.963 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.03 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion:252 Resp: 968748
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.6 9.7 14.5





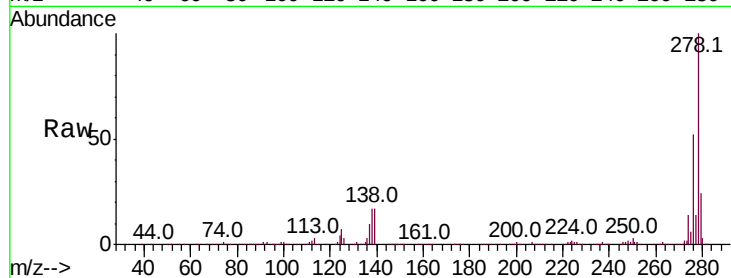
#91
Dibenzo(a,h)anthracene
Concen: 45.189 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.04 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMS

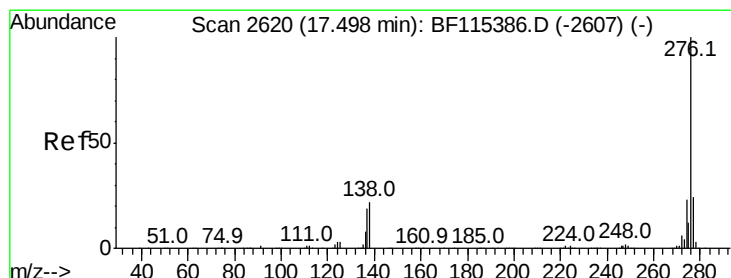
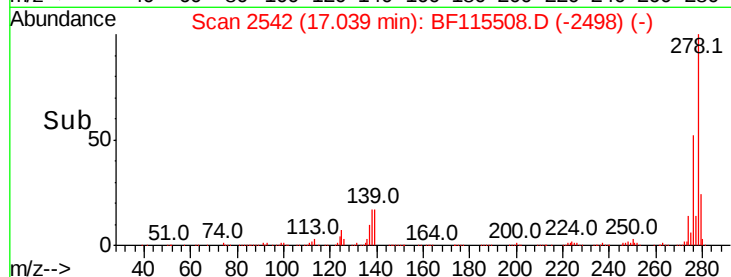
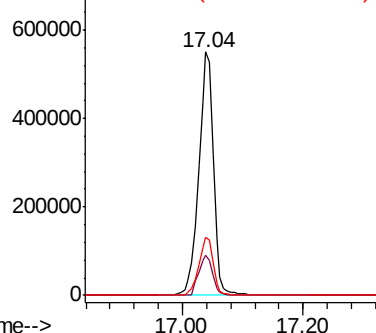
Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.0	19.6
279	24.1	19.4	29.2

Manual Integrations
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mohammad
7/12/2019 10:37:35 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 48.889 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF115508.D
Acq: 11 Jul 2019 21:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.8	17.8	26.8

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

