

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

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Quant Time: Jul 12 03:15:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	147477	29.607	ng	99
3) Pyridine	3.49	79	178949	12.992	ng	99
4) n-Nitrosodimethylamine	3.41	42	161208	28.862	ng	100
6) Aniline	6.56	93	402697	22.095	ng	97
8) 2-Chlorophenol	6.68	128	417422	36.402	ng	99
9) Benzaldehyde	6.44	77	222653	27.951	ng	99
10) Phenol	6.54	94	533599	34.531	ng	99
11) bis(2-Chloroethyl)ether	6.63	93	390018	34.022	ng	97
12) 1,3-Dichlorobenzene	6.84	146	438160	34.877	ng	98
13) 1,4-Dichlorobenzene	6.91	146	448234	35.620	ng	99
14) 1,2-Dichlorobenzene	7.07	146	416456	35.745	ng	97
15) Benzyl Alcohol	7.03	79	372079	35.901	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	515520	32.161	ng	99
17) 2-Methylphenol	7.15	107	357840	36.426	ng	99
18) Hexachloroethane	7.41	117	161712	34.496	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	291047	33.309	ng	95
20) 3+4-Methylphenols	7.29	107	432022	37.230	ng	98
22) Acetophenone	7.30	105	570459	37.964	ng	# 93
24) Nitrobenzene	7.47	77	448436	37.412	ng	98
25) Isophorone	7.72	82	819042	35.603	ng	99
26) 2-Nitrophenol	7.79	139	232337	47.147	ng	98
27) 2,4-Dimethylphenol	7.83	122	371225	39.506	ng	100
28) bis(2-Chloroethoxy)methane	7.92	93	503055	35.462	ng	98
29) 2,4-Dichlorophenol	8.03	162	368654	39.389	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	393297	37.747	ng	99
31) Naphthalene	8.20	128	1196838	38.425	ng	100
32) Benzoic acid	7.92	122	117237	21.012	ng	98
33) 4-Chloroaniline	8.24	127	196775	14.159	ng	99
34) Hexachlorobutadiene	8.32	225	221783	37.534	ng	98
35) Caprolactam	8.60	113	66499	21.815	ng	97
36) 4-Chloro-3-methylphenol	8.72	107	393164	39.715	ng	97
37) 2-Methylnaphthalene	8.89	142	809877	38.901	ng	99
38) 1-Methylnaphthalene	8.99	142	764571	38.490	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	367579	39.806	ng	99

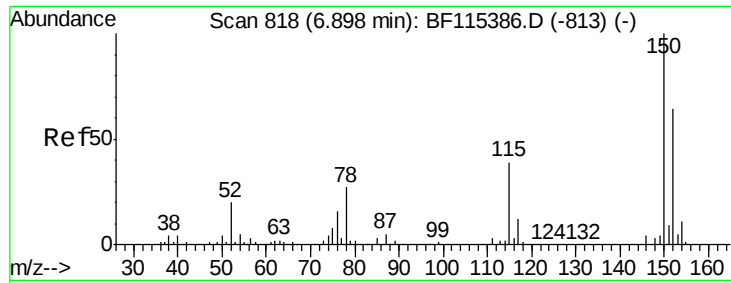
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	395668	73.928	ng	98
43) 2,4,6-Trichlorophenol	9.17	196	273694	40.712	ng	99
44) 2,4,5-Trichlorophenol	9.20	196	288697	41.414	ng	94
46) 1,1'-Biphenyl	9.36	154	1007581	39.929	ng	98
47) 2-Chloronaphthalene	9.38	162	793379	38.042	ng	98
48) 2-Nitroaniline	9.47	65	247056	40.320	ng	93
49) Acenaphthylene	9.80	152	1231895	39.014	ng	98
50) Dimethylphthalate	9.66	163	1226049	50.890	ng	99
51) 2,6-Dinitrotoluene	9.71	165	219940	42.094	ng	94
52) Acenaphthene	9.97	154	820969	41.312	ng	99
53) 3-Nitroaniline	9.88	138	169184	27.879	ng	96
54) 2,4-Dinitrophenol	9.99	184	161603	72.695	ng	91
55) Dibenzofuran	10.14	168	1110920	39.685	ng	99
56) 4-Nitrophenol	10.04	139	409928	87.308	ng	98
57) 2,4-Dinitrotoluene	10.12	165	295792	44.545	ng	94
58) Fluorene	10.49	166	826678	37.461	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	252381	41.910	ng	99
60) Diethylphthalate	10.36	149	914965	38.584	ng	100
61) 4-Chlorophenyl-phenylether	10.47	204	422279	39.207	ng	97
62) 4-Nitroaniline	10.50	138	245333	41.185	ng	98
63) Azobenzene	10.63	77	894693	36.601	ng	97
65) 4,6-Dinitro-2-methylphenol	10.53	198	150420	47.971	ng	85
66) n-Nitrosodiphenylamine	10.59	169	787747	38.172	ng	100
67) 4-Bromophenyl-phenylether	10.96	248	278923	37.953	ng	94
68) Hexachlorobenzene	11.03	284	309631	37.546	ng	95
69) Atrazine	11.12	200	266771	41.770	ng	99
70) Pentachlorophenol	11.23	266	360590	71.747	ng	99
71) Phenanthrene	11.45	178	1311927	38.086	ng	99
72) Anthracene	11.50	178	1350889	39.109	ng	99
73) Carbazole	11.64	167	1219406	38.588	ng	99
74) Di-n-butylphthalate	11.98	149	1422544	37.248	ng	99
75) Fluoranthene	12.63	202	1393356	38.417	ng	98
77) Benzidine	12.74	184	190882	10.869	ng	97
78) Pyrene	12.86	202	1414864	40.399	ng	99
80) Butylbenzylphthalate	13.47	149	626031	40.912	ng	98
81) Benzo(a)anthracene	14.05	228	1121945	38.880	ng	98
82) 3,3'-Dichlorobenzidine	14.00	252	321251	30.681	ng	97
83) Chrysene	14.09	228	1156542	39.008	ng	99
84) Bis(2-ethylhexyl)phthalate	14.04	149	788750	41.622	ng	100
85) Di-n-octyl phthalate	14.65	149	1335229	39.580	ng	99
86) Indeno(1,2,3-cd)pyrene	17.03	276	1274673	53.621	ng	99
88) Benzo(b)fluoranthene	15.10	252	1050906	34.472	ng	100
89) Benzo(k)fluoranthene	15.13	252	1057534	39.006	ng	99
90) Benzo(a)pyrene	15.47	252	1036627	39.424	ng	99
91) Dibenzo(a,h)anthracene	17.04	278	1055966	46.997	ng	99
92) Benzo(g,h,i)perylene	17.48	276	1083393	50.942	ng	99

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

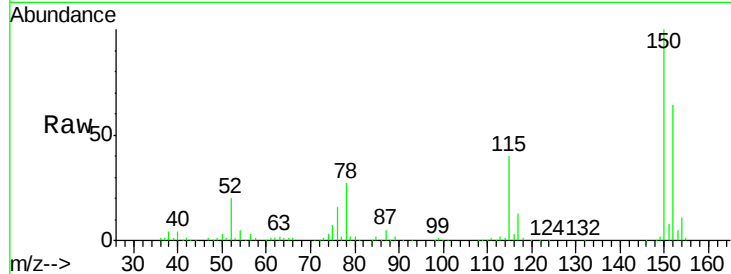


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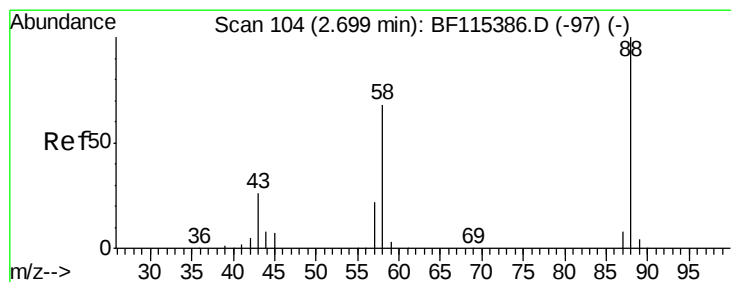
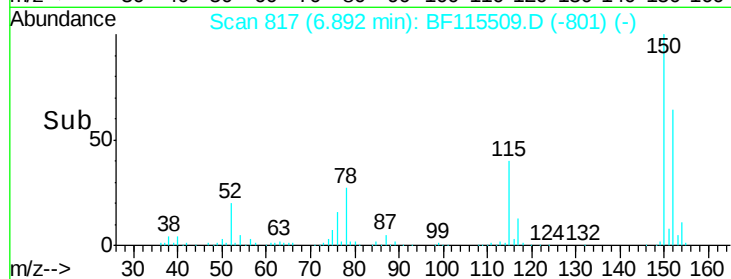
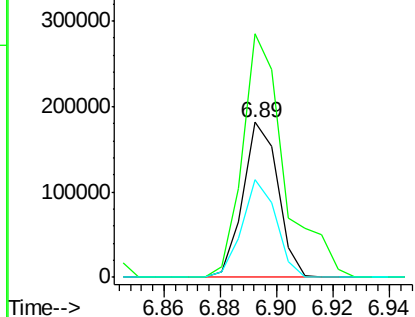
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:152 Resp: 156902
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.2
115 62.6 46.2 69.4



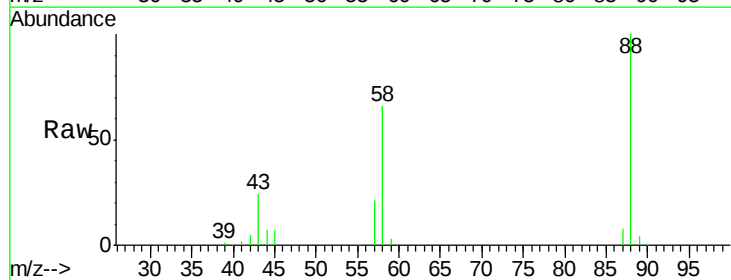
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



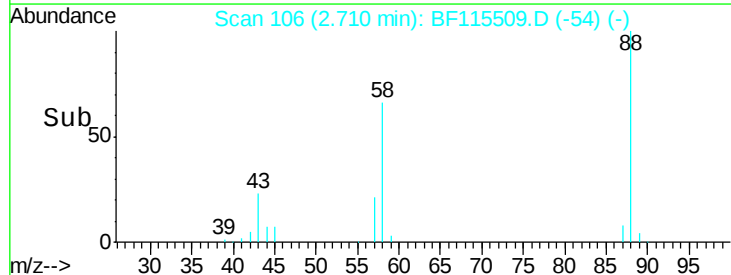
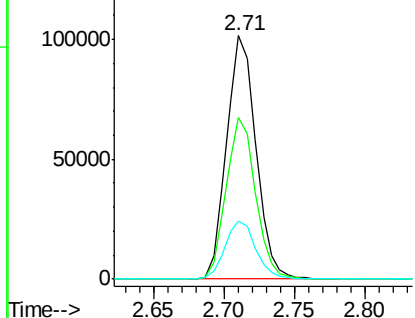
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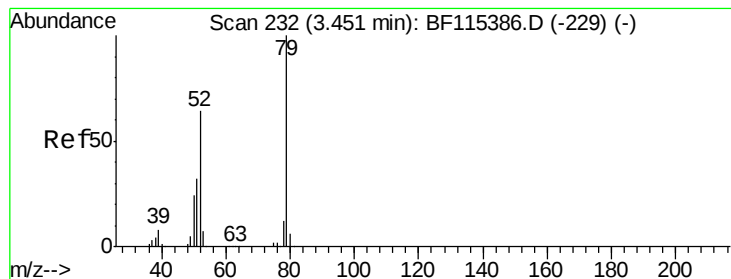
1,4-Dioxane
Concen: 29.607 ng
RT: 2.71 min Scan# 106
Delta R.T. 0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion: 88 Resp: 147477
Ion Ratio Lower Upper
88 100
58 66.1 52.5 78.7
43 25.2 19.0 28.6



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





#3

Pvridine

Concen: 12.992 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.02 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

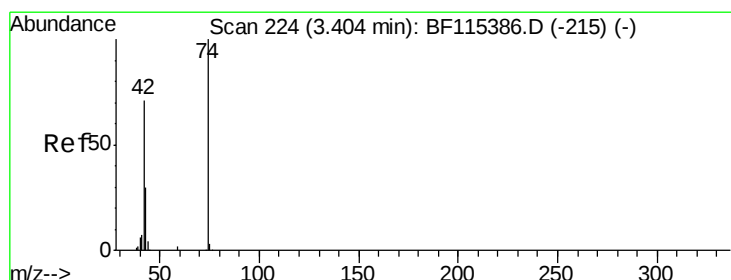
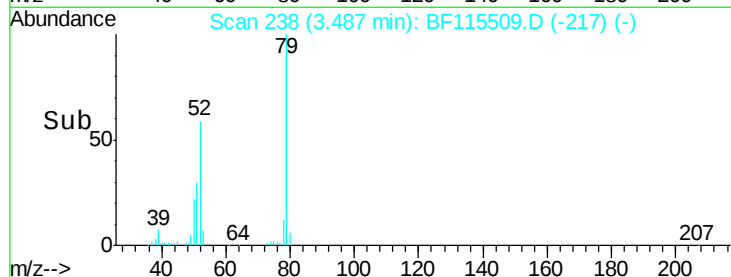
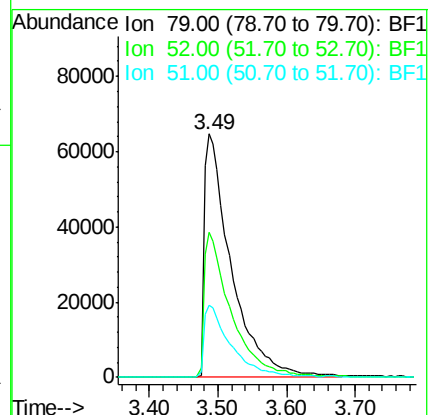
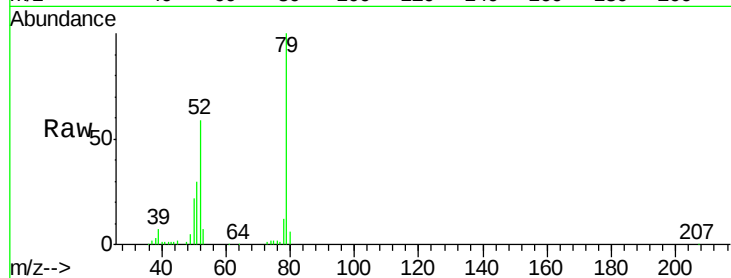
Tot Ion: 79 Resp: 178949

Ion Ratio Lower Upper

79 100

52 59.4 48.2 72.2

51 29.5 23.2 34.8



#4

n-Nitrosodimethylamine

Concen: 28.862 ng

RT: 3.41 min Scan# 225

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

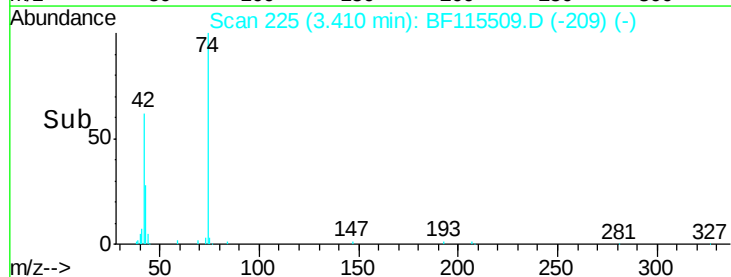
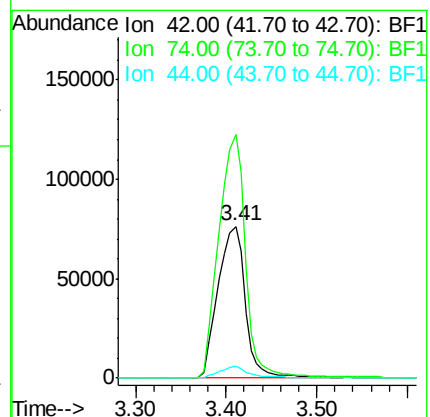
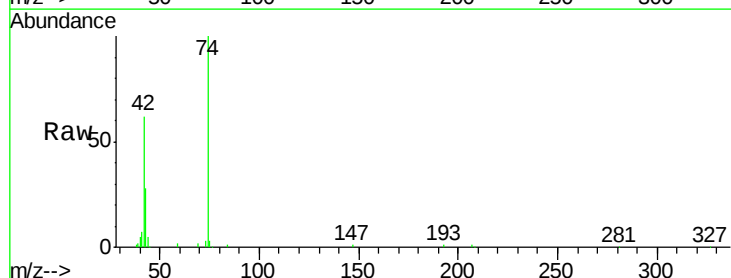
Tgt Ion: 42 Resp: 161208

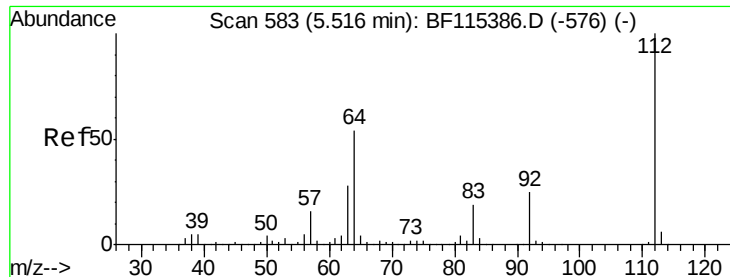
Ion Ratio Lower Upper

42 100

74 160.5 128.5 192.7

44 7.5 5.3 7.9





#5

2-Fluorophenol

Concen: 109.333 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

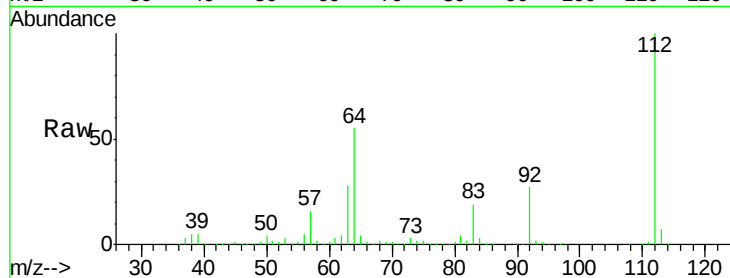
Tot Ion:112 Resp: 1110303

Ion Ratio Lower Upper

112 100

64 54.7 44.2 66.2

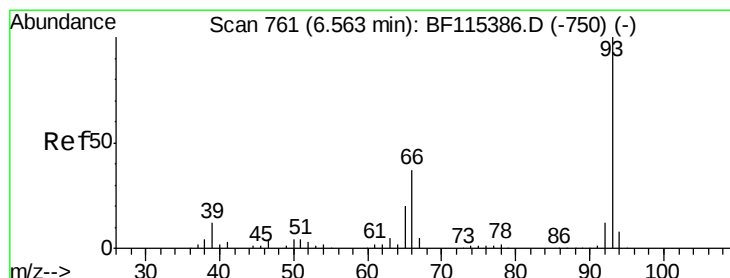
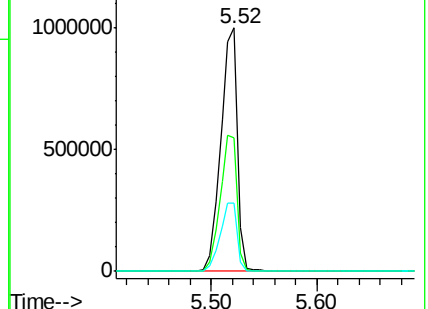
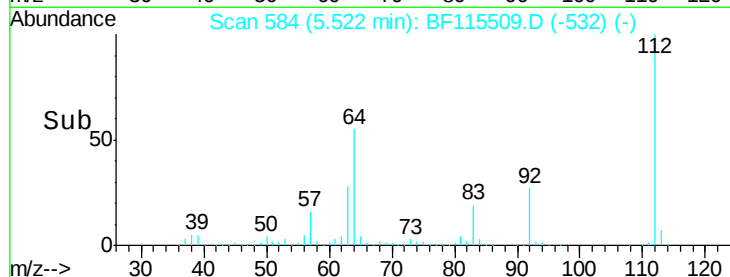
63 27.9 22.1 33.1



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: 22.095 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

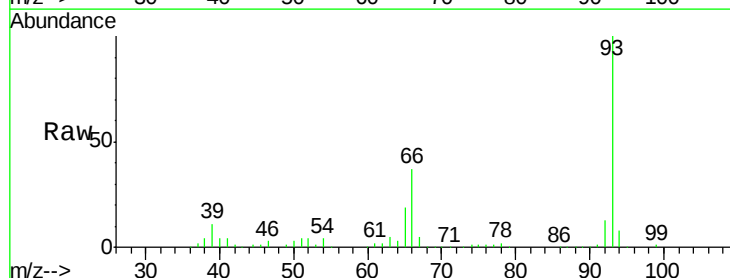
Tgt Ion: 93 Resp: 402697

Ion Ratio Lower Upper

93 100

66 37.1 31.3 46.9

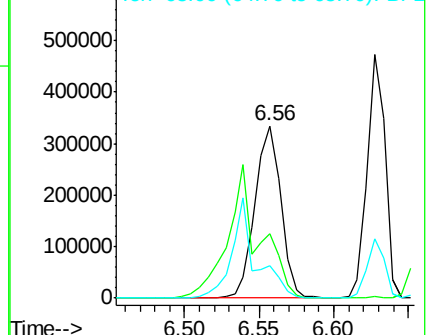
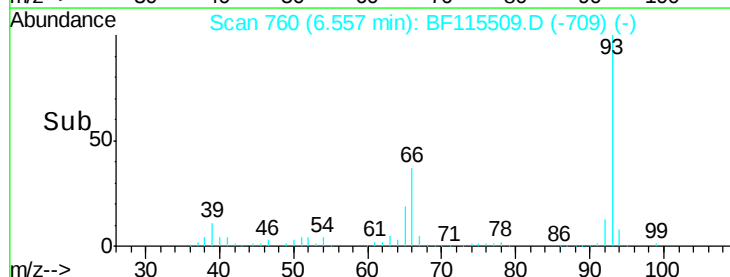
65 18.9 15.9 23.9

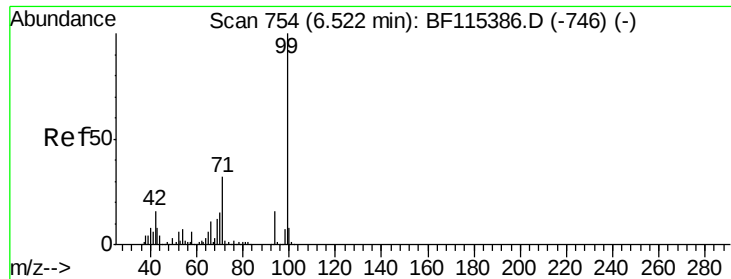


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.892 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

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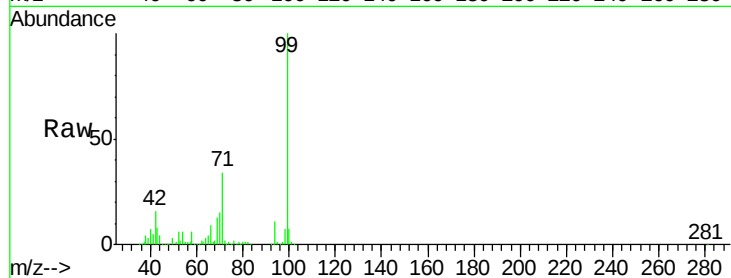
Tot Ion: 99 Resp: 1483879

Ion Ratio Lower Upper

99 100

42 15.8 12.8 19.2

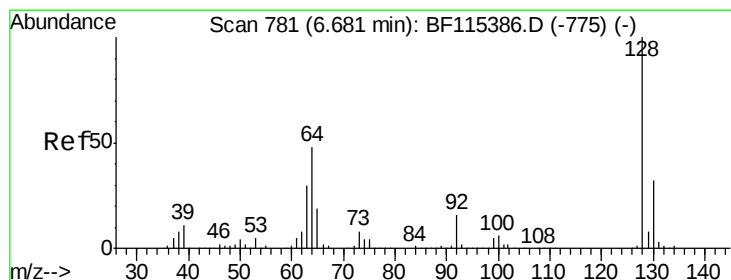
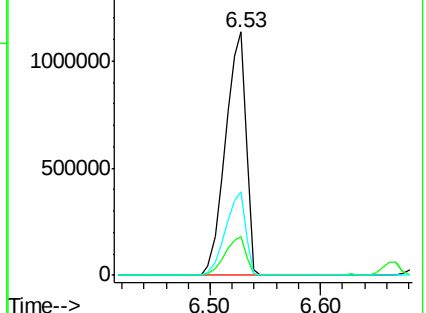
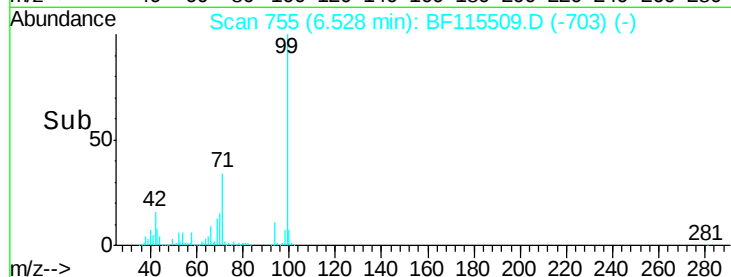
71 34.1 26.5 39.7



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: 36.402 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

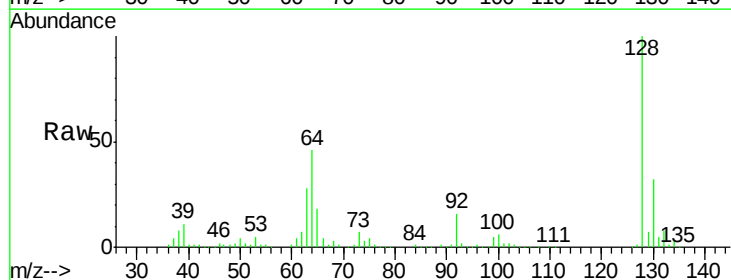
Tgt Ion: 128 Resp: 417422

Ion Ratio Lower Upper

128 100

130 32.5 11.8 51.8

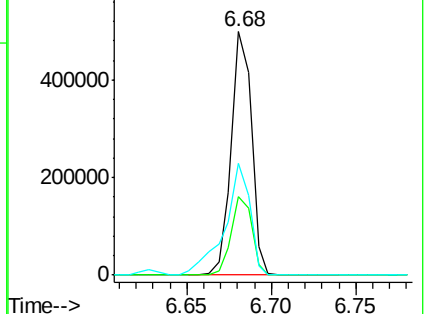
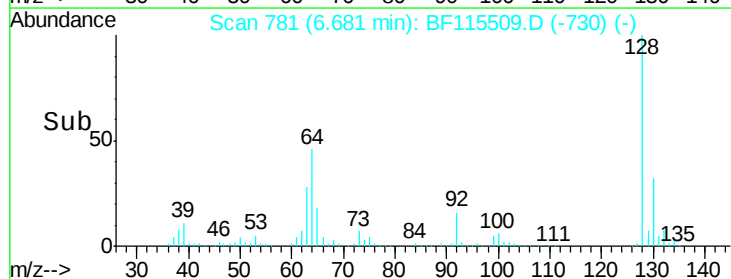
64 45.9 27.0 67.0



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: 27.951 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

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MANHOLE-TEST-PITMSD

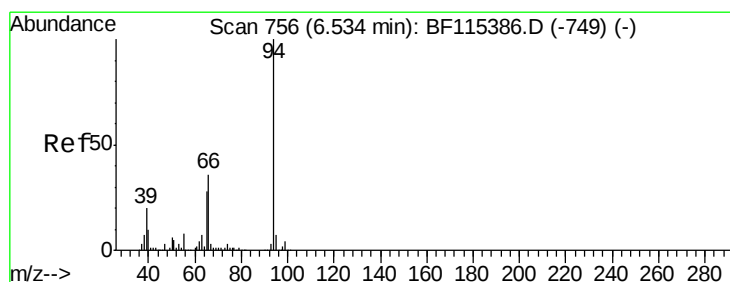
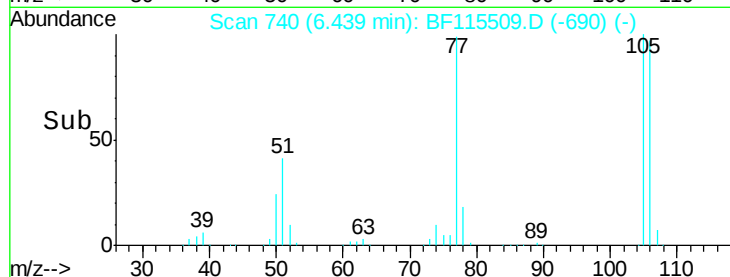
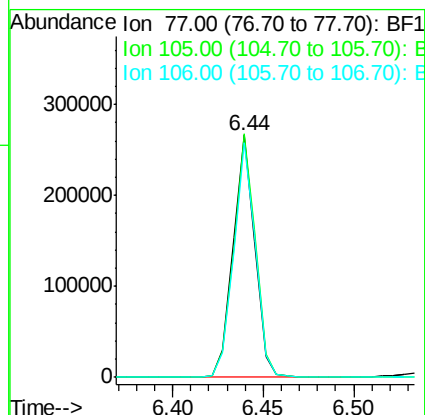
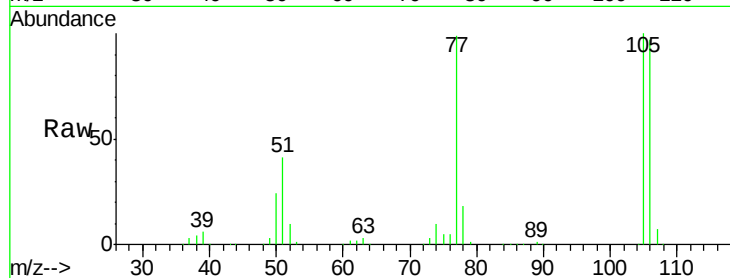
Tot Ion: 77 Resp: 222653

Ion Ratio Lower Upper

77 100

105 100.7 82.9 122.9

106 97.2 77.8 117.8



#10

Phenol

Concen: 34.531 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

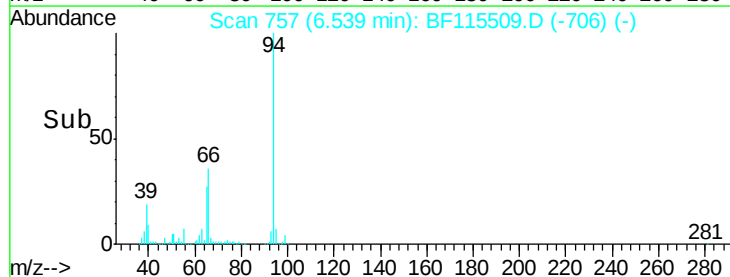
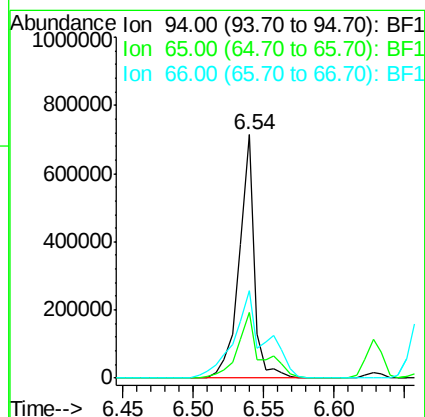
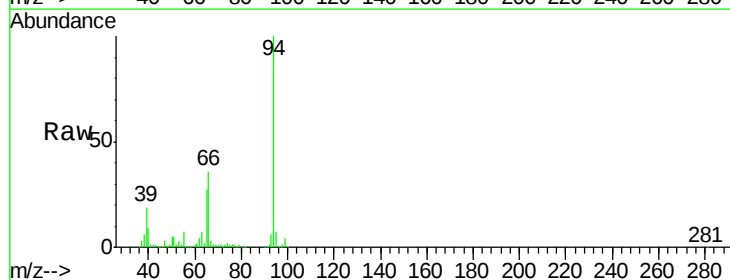
Tgt Ion: 94 Resp: 533599

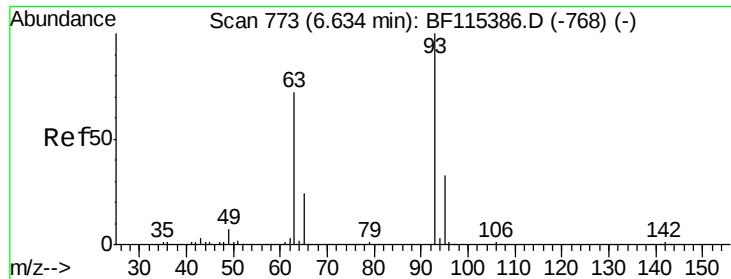
Ion Ratio Lower Upper

94 100

65 27.1 7.2 47.2

66 36.1 16.9 56.9





#11

bis(2-Chloroethyl)ether

Concen: 34.022 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

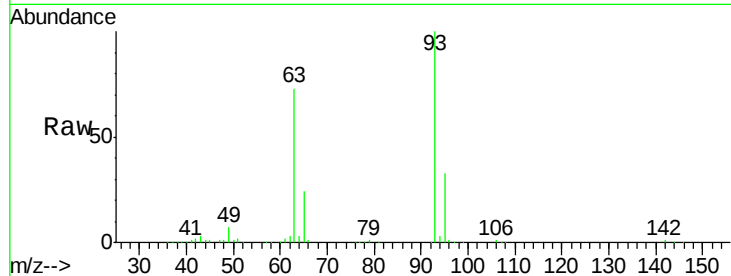
Tot Ion: 93 Resp: 390018

Ion Ratio Lower Upper

93 100

63 73.0 50.0 90.0

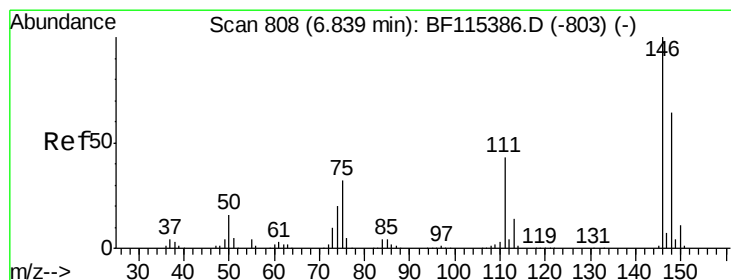
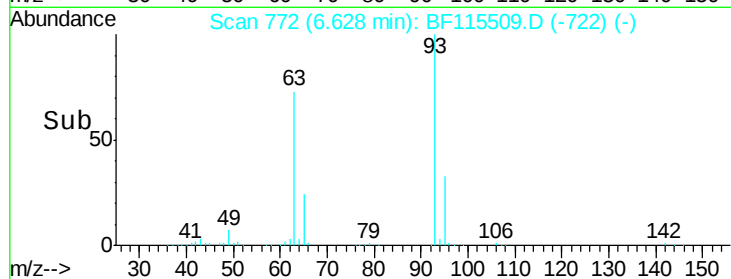
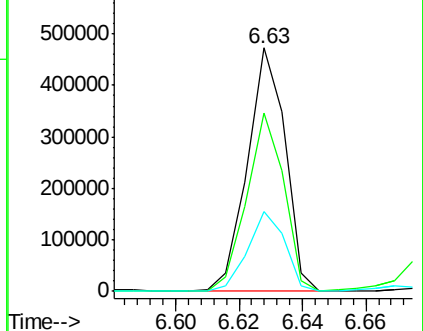
95 33.0 12.6 52.6



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 34.877 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

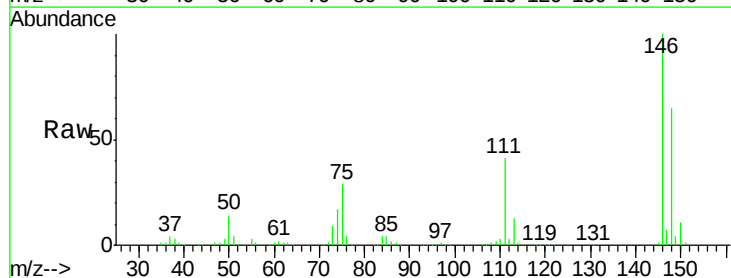
Tgt Ion: 146 Resp: 438160

Ion Ratio Lower Upper

146 100

148 64.9 52.3 78.5

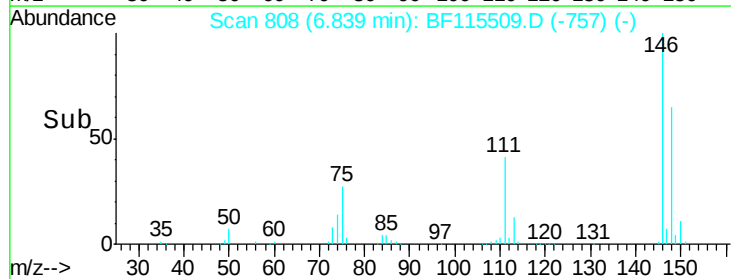
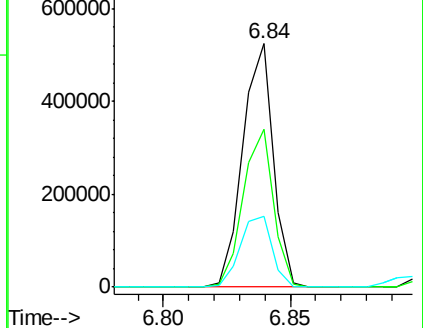
75 28.9 24.8 37.2

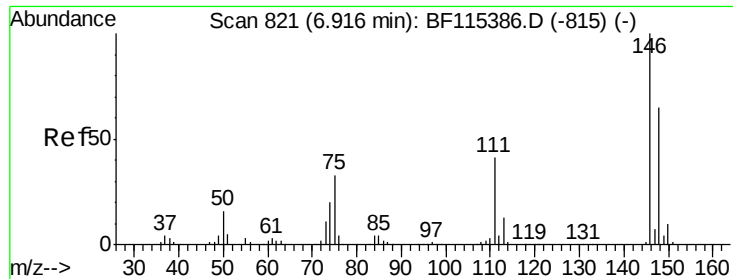


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

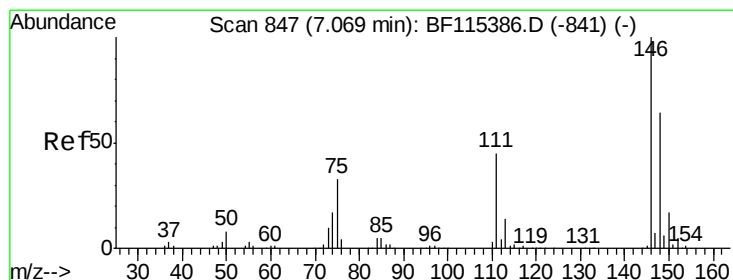
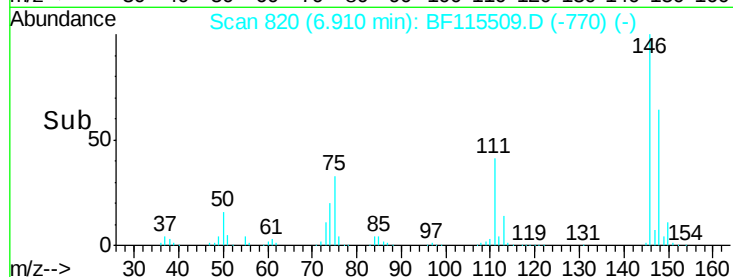
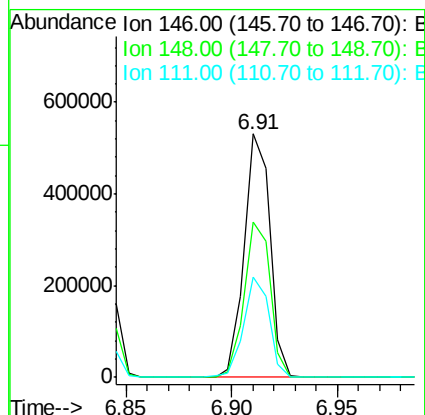
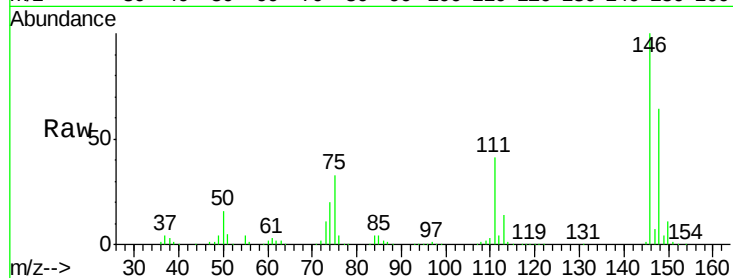




#13
 1,4-Dichlorobenzene
 Concen: 35.620 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

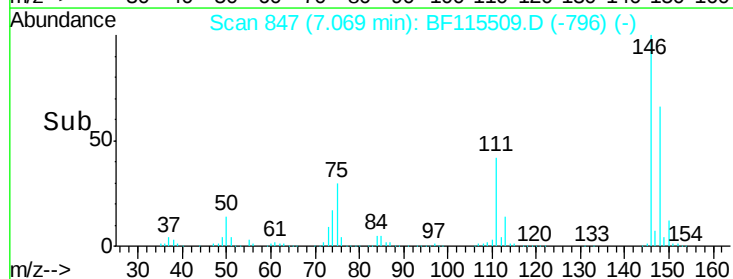
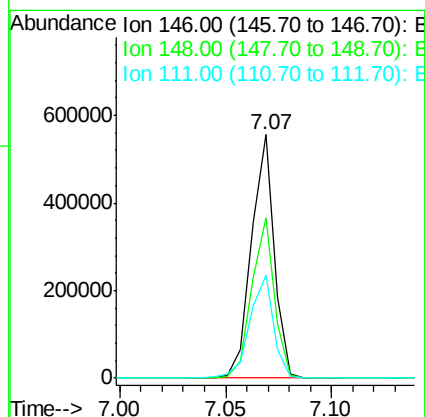
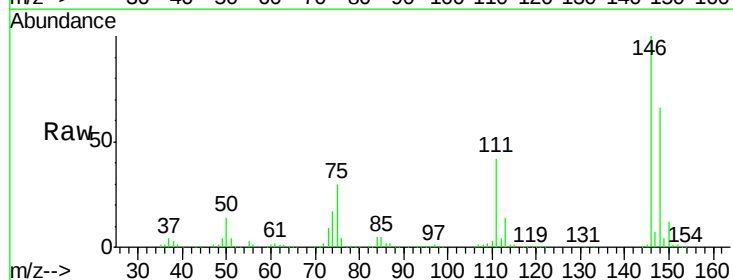
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

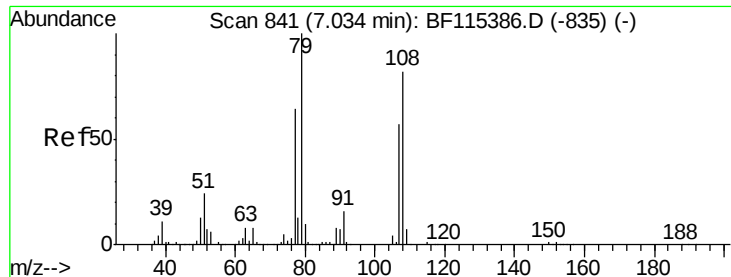
Tot Ion:146 Resp: 448234
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.3 76.9
 111 41.4 32.1 48.1



#14
 1,2-Dichlorobenzene
 Concen: 35.745 ng
 RT: 7.07 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion:146 Resp: 416456
 Ion Ratio Lower Upper
 146 100
 148 65.9 50.6 75.8
 111 42.1 35.4 53.2





#15

Benzyl Alcohol

Concen: 35.901 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

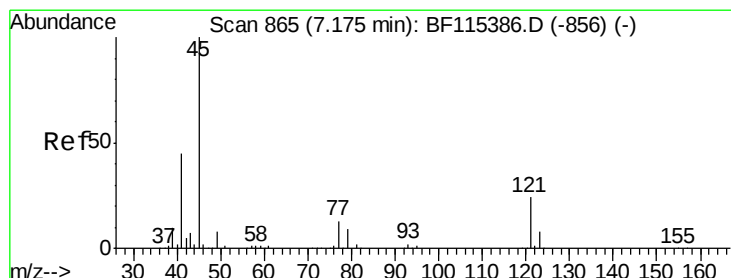
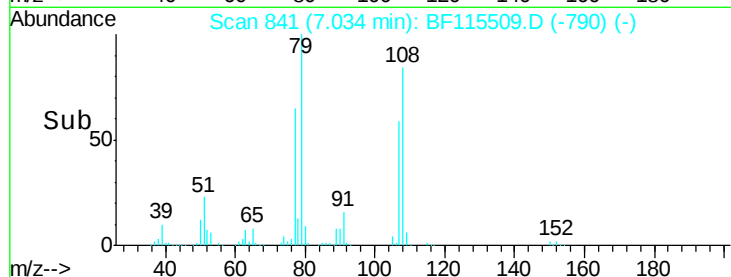
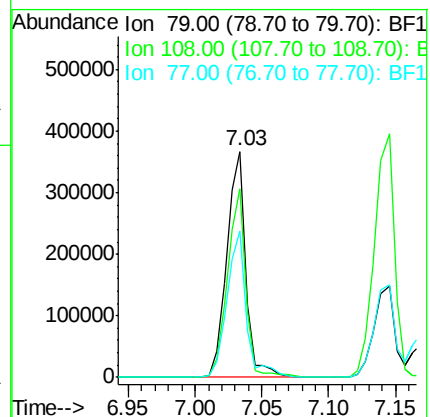
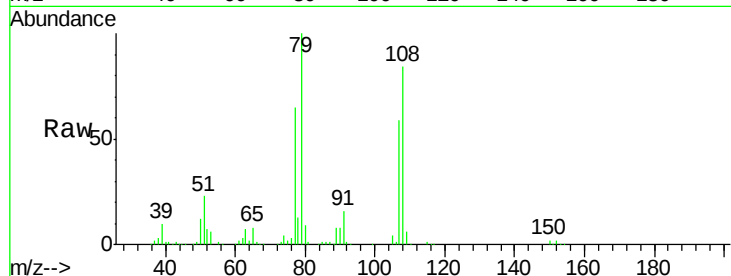
Tot Ion: 79 Resp: 372079

Ion Ratio Lower Upper

79 100

108 83.6 65.3 97.9

77 64.5 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.161 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

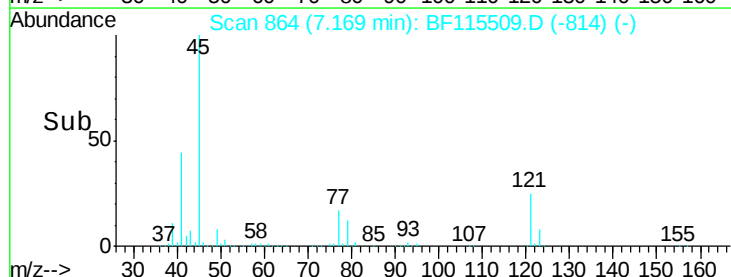
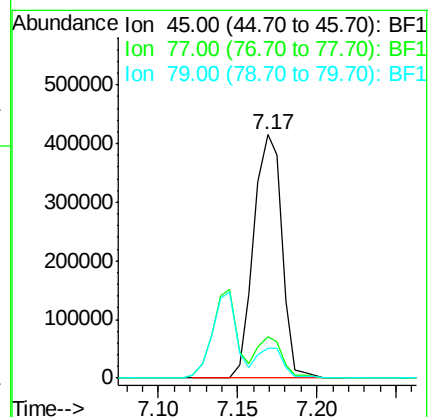
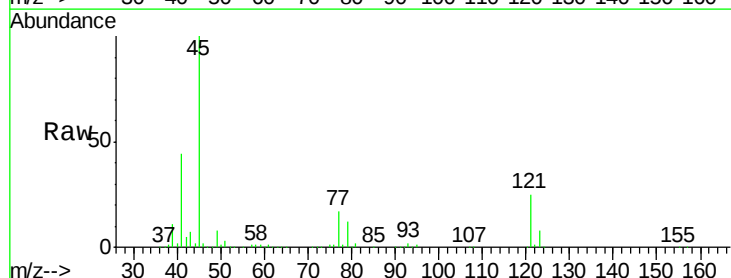
Tgt Ion: 45 Resp: 515520

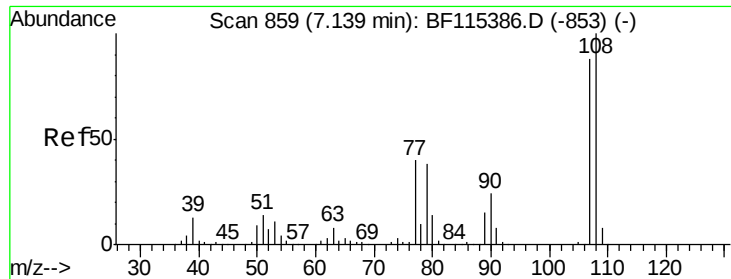
Ion Ratio Lower Upper

45 100

77 16.7 0.0 36.4

79 12.5 0.0 33.4

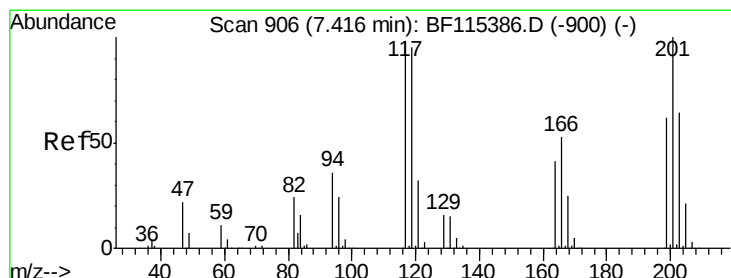
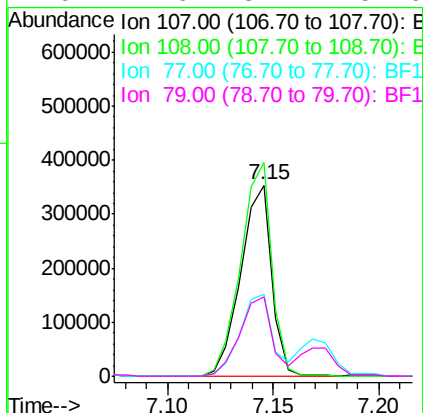
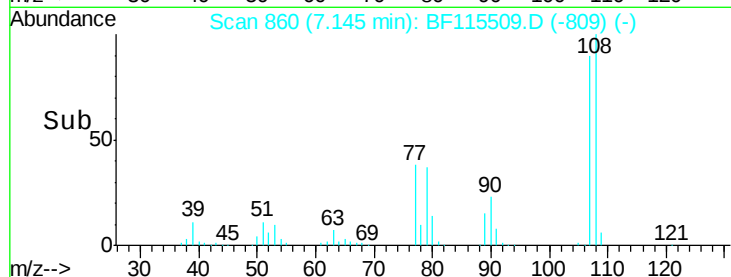
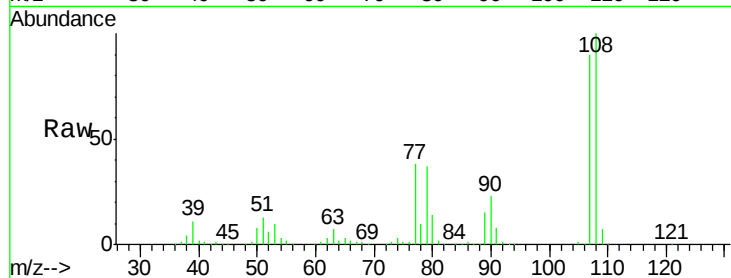




#17
2-Methylphenol
Concen: 36.426 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

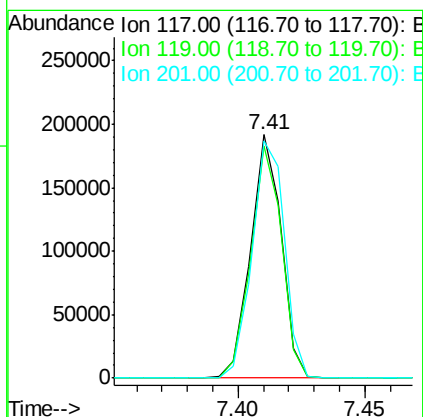
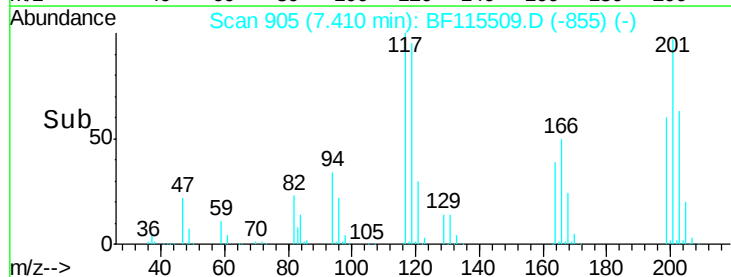
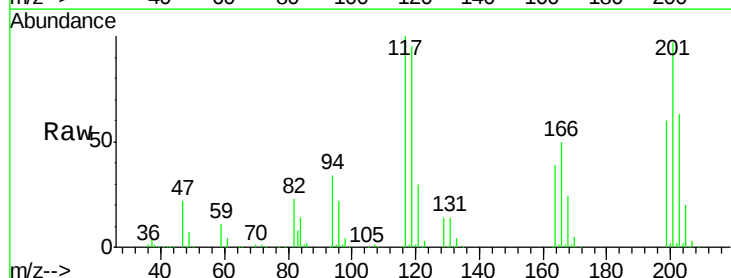
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

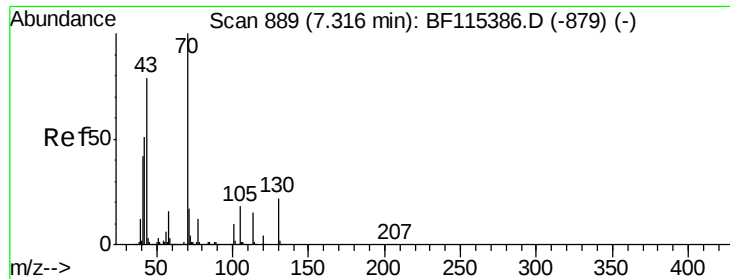
Tot Ion:107 Resp: 357840
Ion Ratio Lower Upper
107 100
108 111.6 90.0 135.0
77 42.7 35.0 52.4
79 41.6 34.4 51.6



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

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

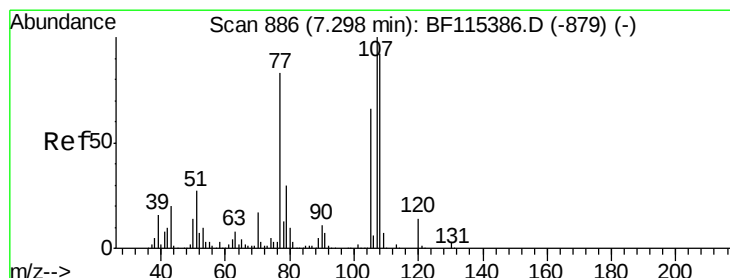
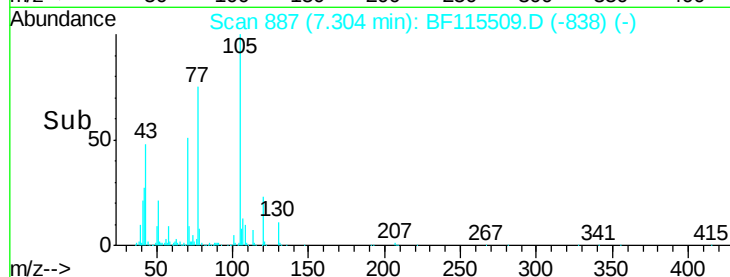
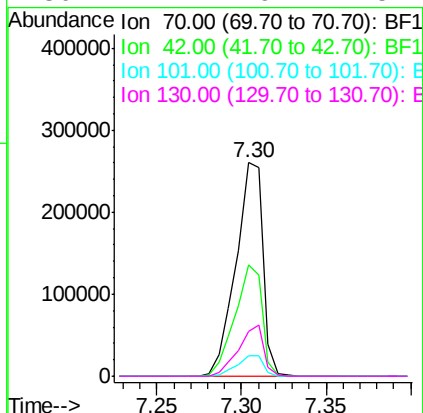
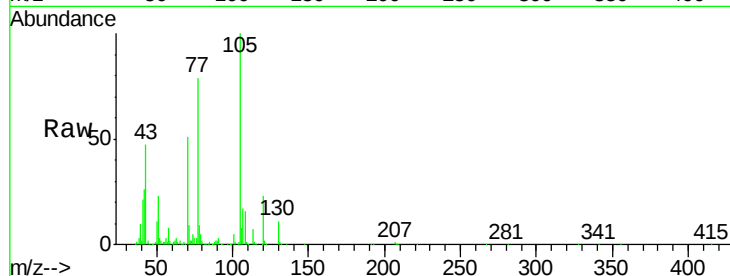




#19
n-Nitroso-di-n-propylamine
Concen: 33.309 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

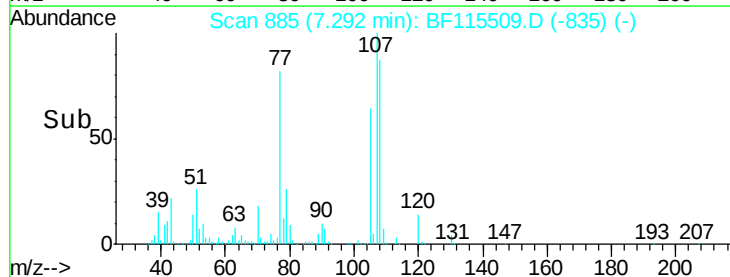
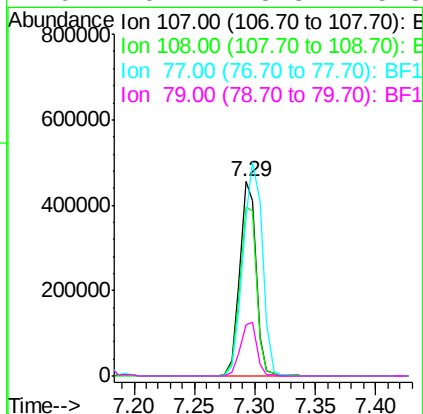
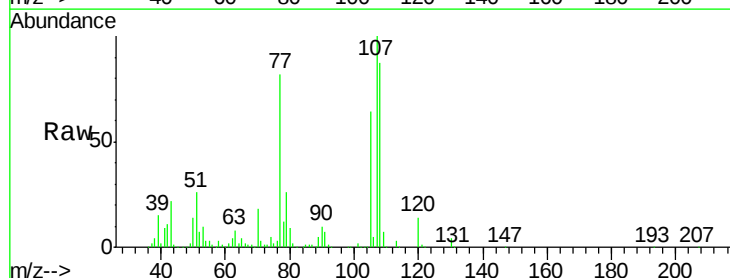
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

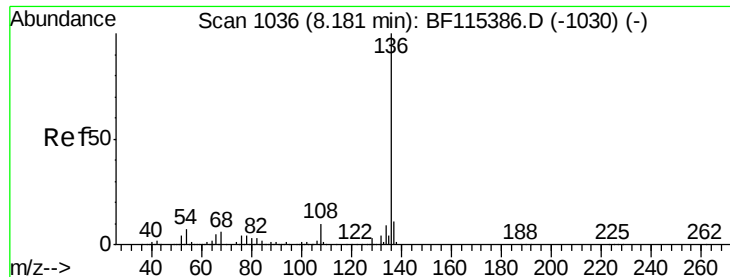
Tot Ion: 70 Resp: 291047
Ion Ratio Lower Upper
70 100
42 52.3 38.5 57.7
101 9.7 8.0 12.0
130 21.2 19.1 28.7



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

Tgt Ion: 107 Resp: 432022
Ion Ratio Lower Upper
107 100
108 87.3 70.5 110.5
77 82.4 63.0 103.0
79 26.4 8.3 48.3

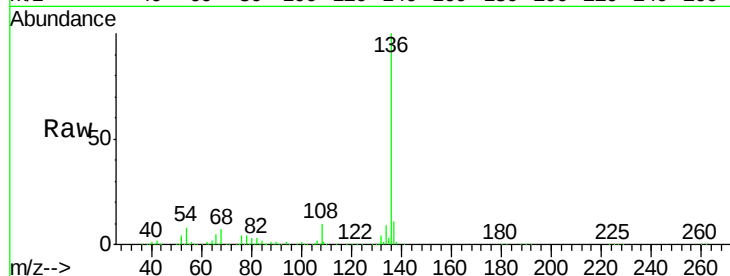




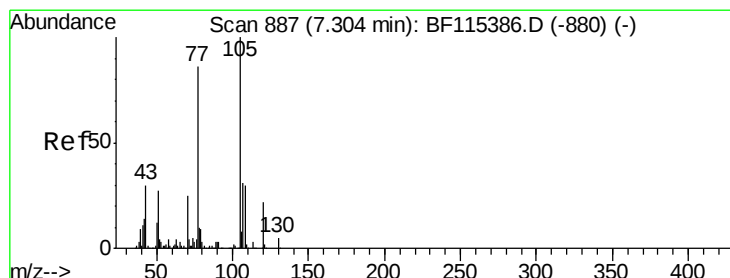
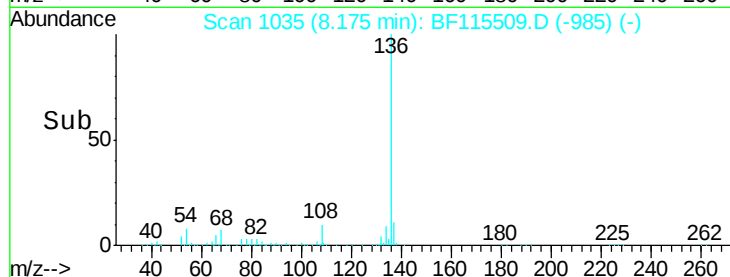
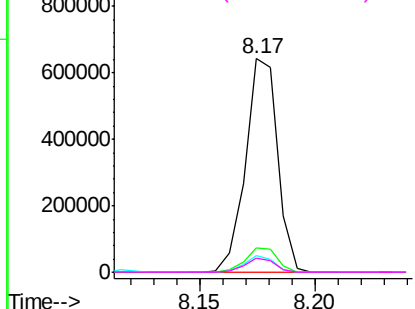
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

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

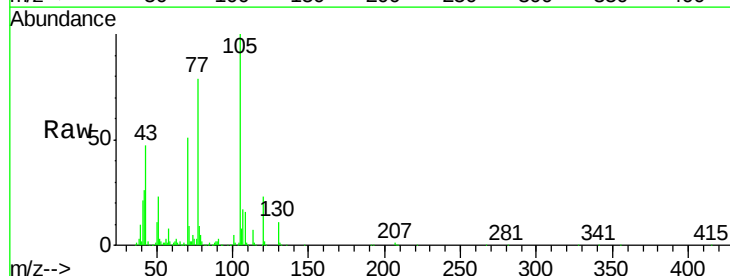


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

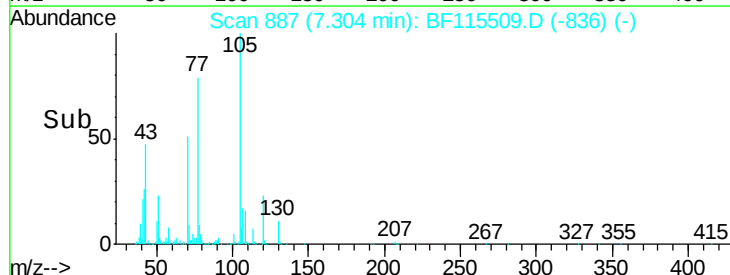
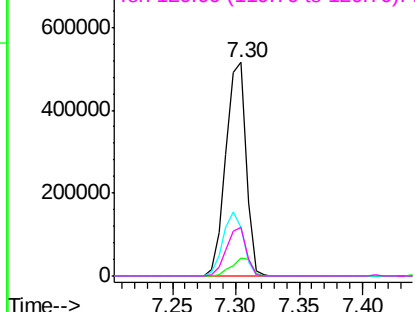


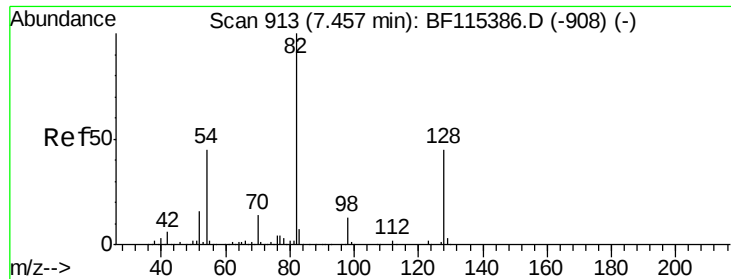
#22
Acetophenone
Concen: 37.964 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

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

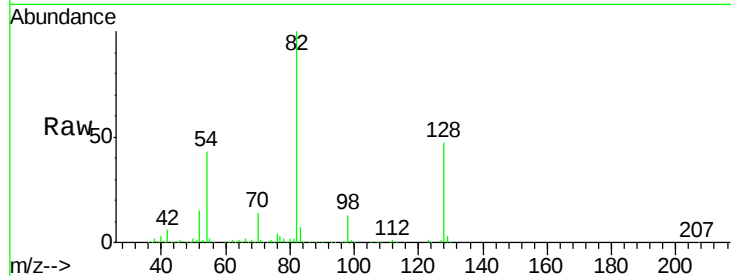




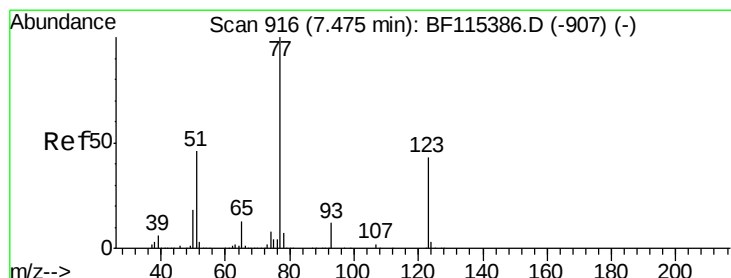
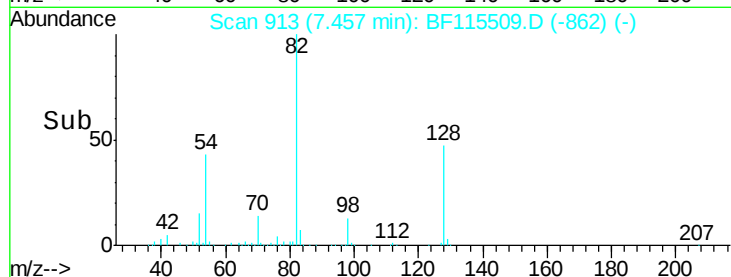
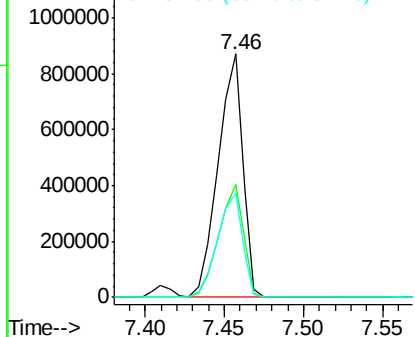
#23
 Nitrobenzene-d5
 Concen: 88.680 ng
 RT: 7.46 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

Tot Ion	82	Resp	941215
Ion Ratio	100	Lower	Upper
128	46.6	36.7	55.1
54	43.0	35.6	53.4

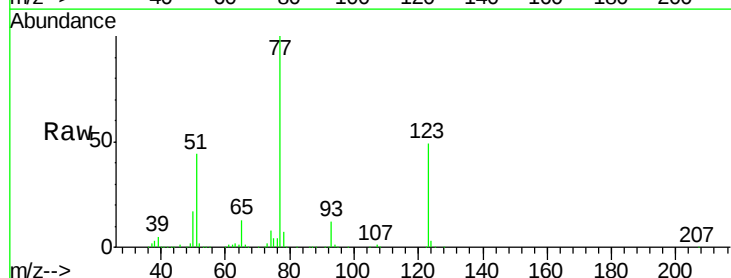


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

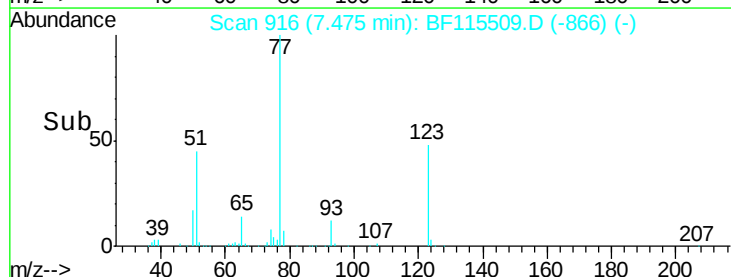
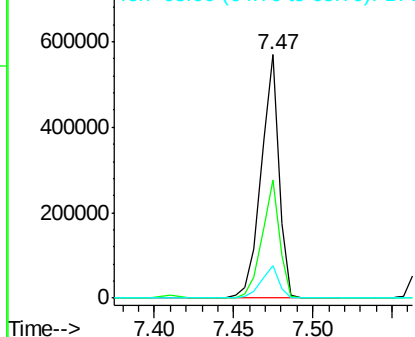


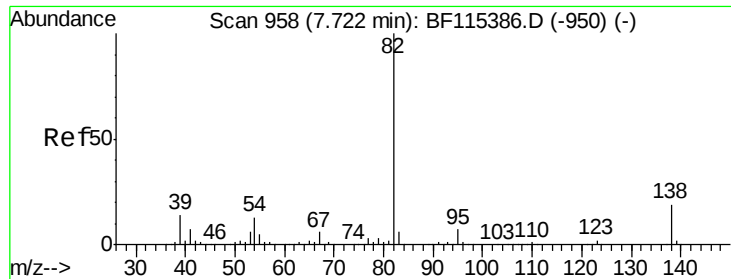
#24
 Nitrobenzene
 Concen: 37.412 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Tgt Ion	77	Resp	448436
Ion Ratio	100	Lower	Upper
123	48.7	40.4	60.6
65	13.2	10.4	15.6



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

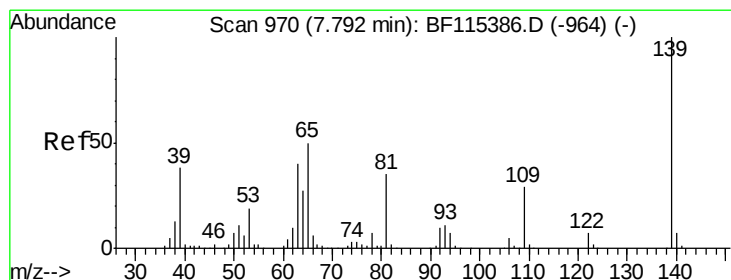
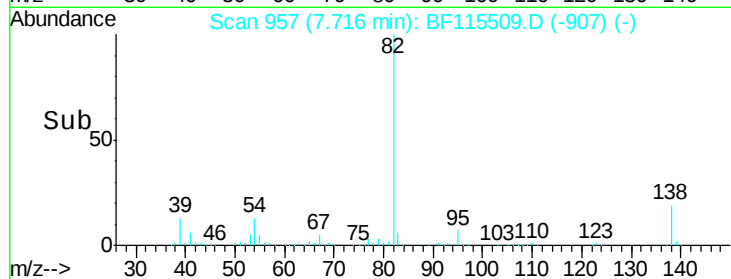
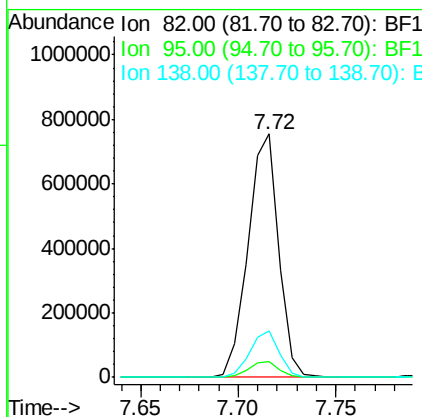
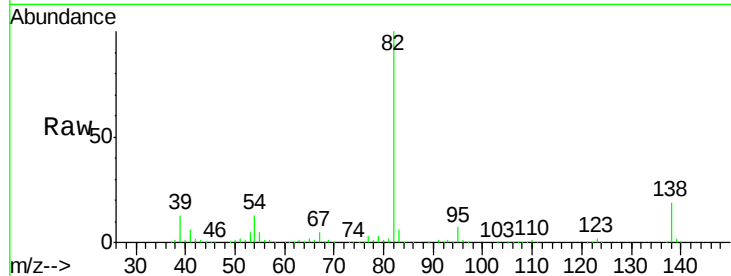




#25
Isophorone
Concen: 35.603 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

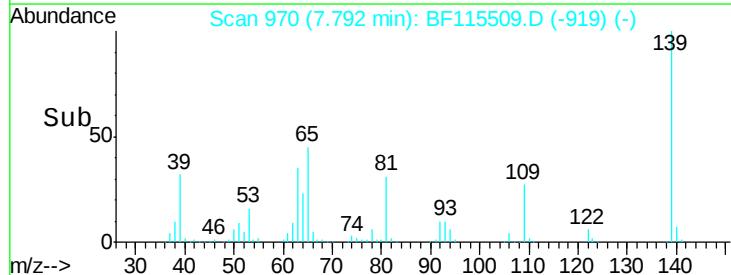
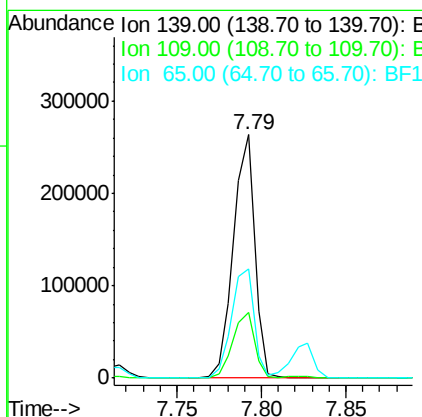
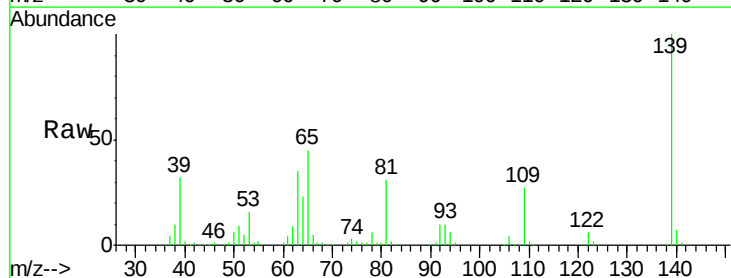
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

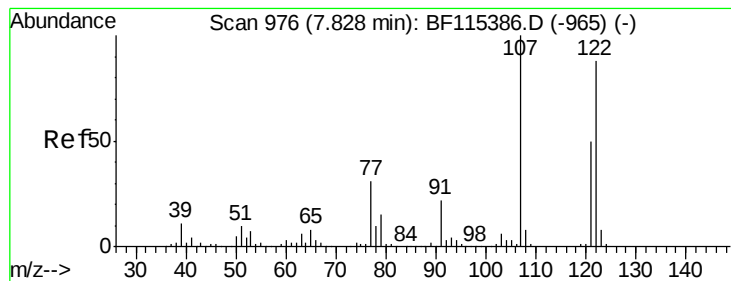
Tot Ion: 82 Resp: 819042
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.2
138 19.2 15.1 22.7



#26
2-Nitrophenol
Concen: 47.147 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

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





#27

2,4-Dimethylphenol

Concen: 39.506 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

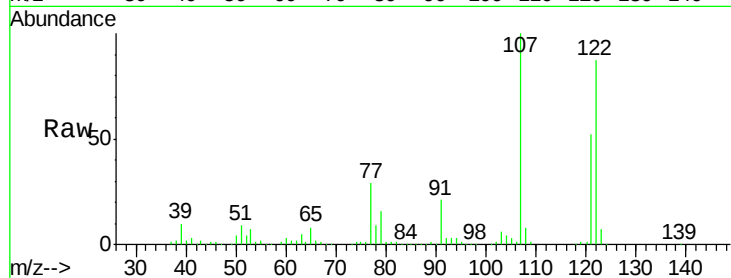
Tot Ion:122 Resp: 371225

Ion Ratio Lower Upper

122 100

107 114.6 91.7 137.5

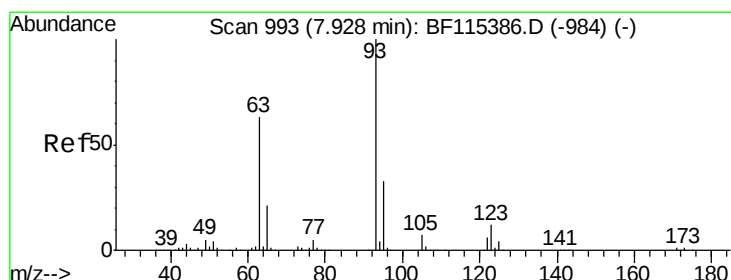
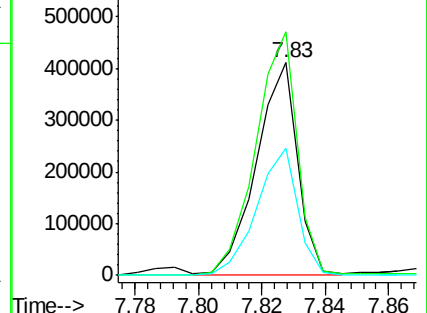
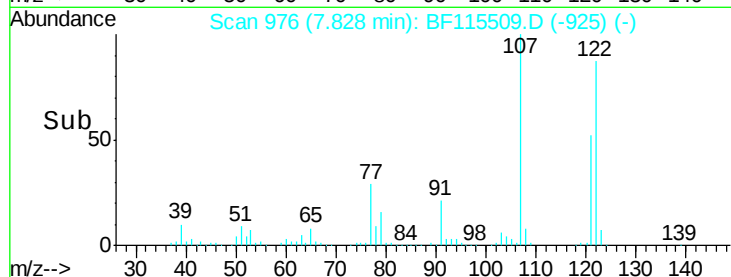
121 59.9 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 35.462 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

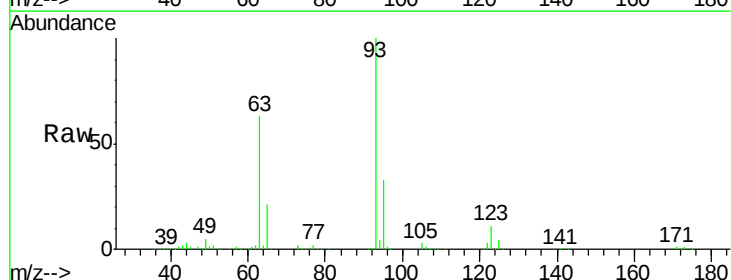
Tgt Ion: 93 Resp: 503055

Ion Ratio Lower Upper

93 100

95 32.7 26.6 39.8

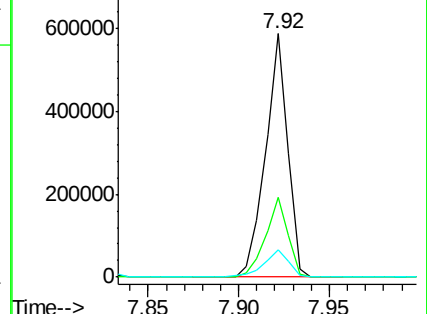
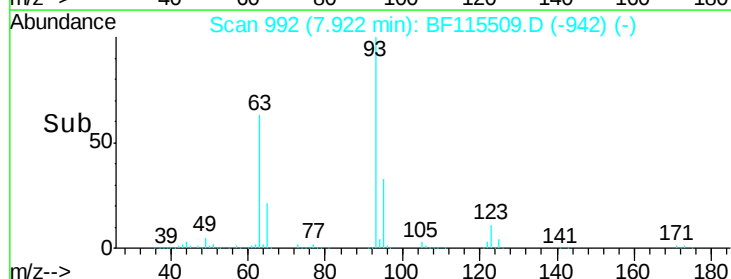
123 11.4 10.4 15.6

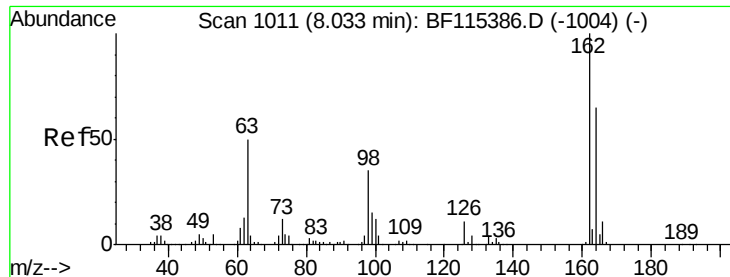


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 39.389 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

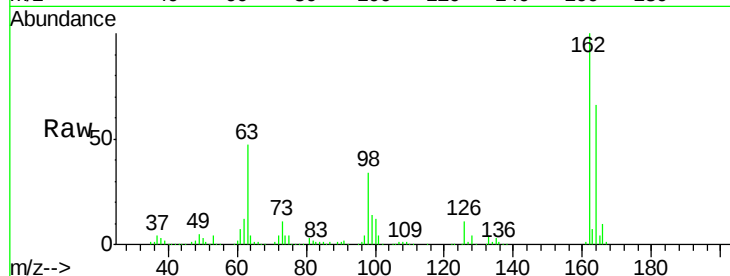
Tot Ion:162 Resp: 368654

Ion Ratio Lower Upper

162 100

164 65.6 45.2 85.2

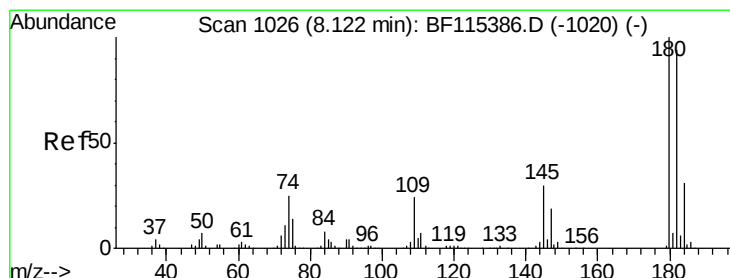
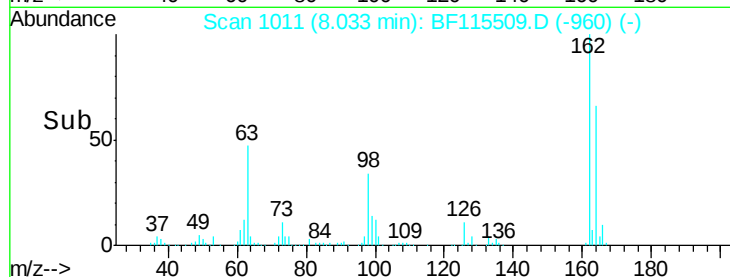
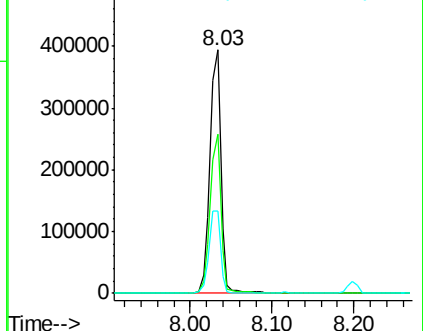
98 34.0 17.0 57.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 37.747 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

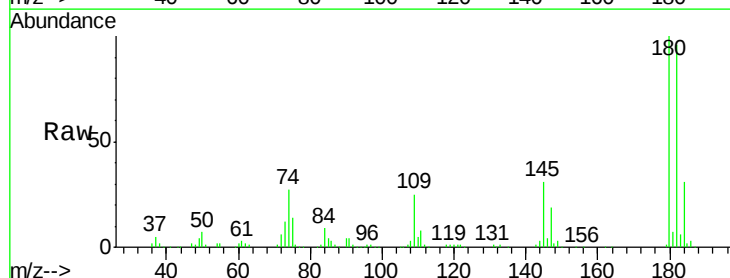
Tgt Ion:180 Resp: 393297

Ion Ratio Lower Upper

180 100

182 95.8 77.1 115.7

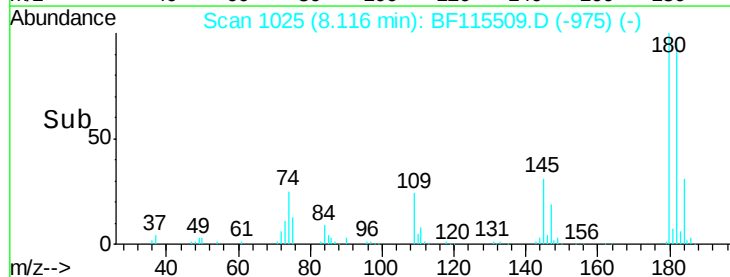
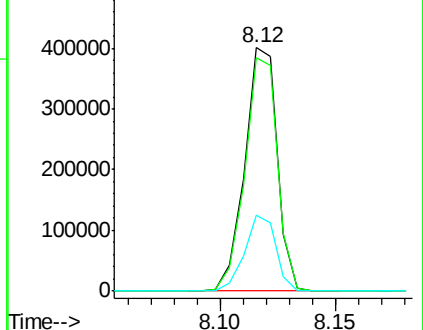
145 31.1 23.9 35.9

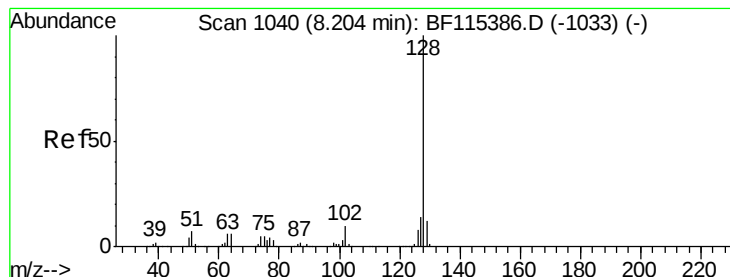


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.425 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

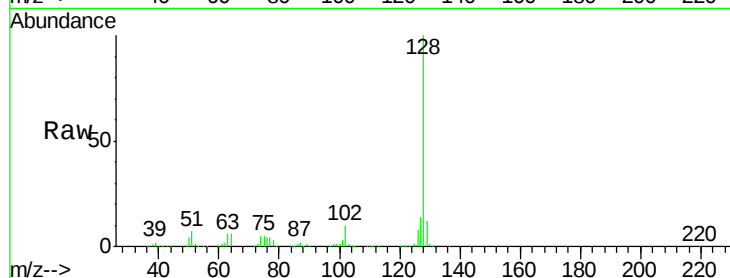
Tot Ion:128 Resp: 1196838

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

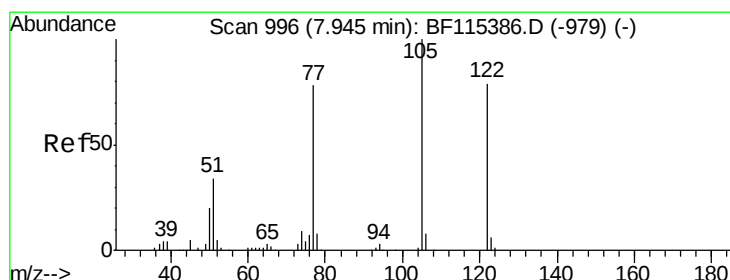
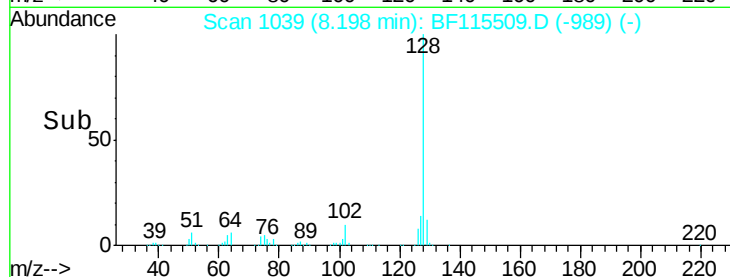
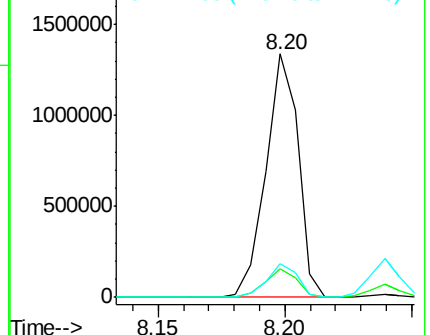
127 14.0 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 21.012 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

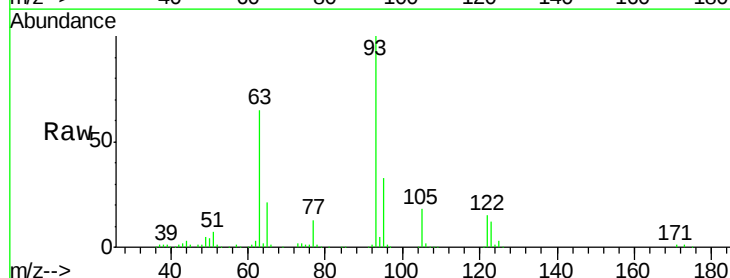
Tgt Ion:122 Resp: 117237

Ion Ratio Lower Upper

122 100

105 123.3 101.6 141.6

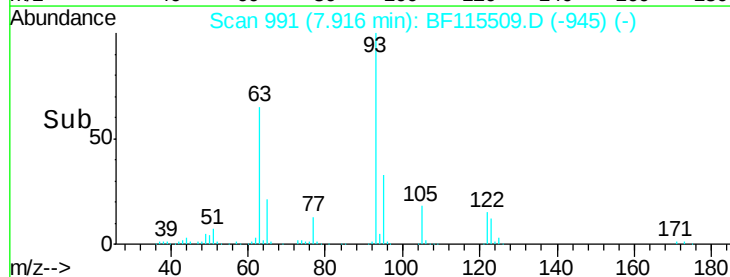
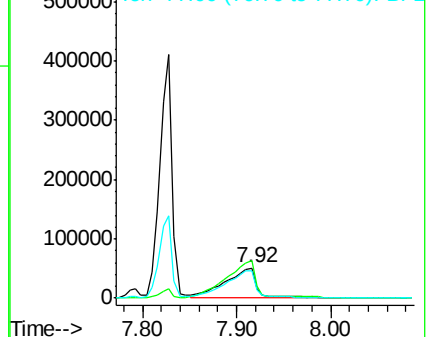
77 90.7 69.1 109.1

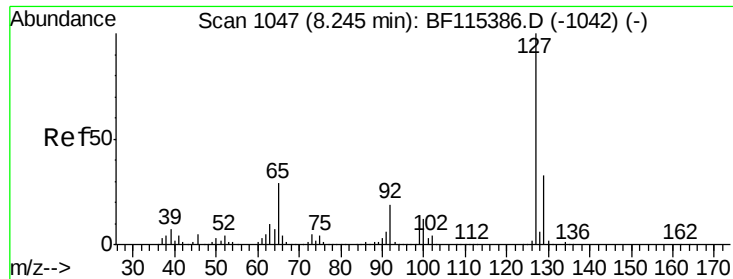


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

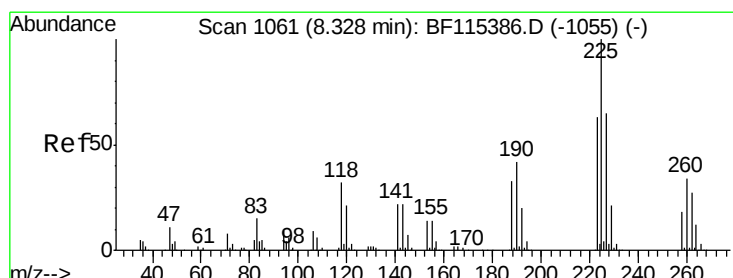
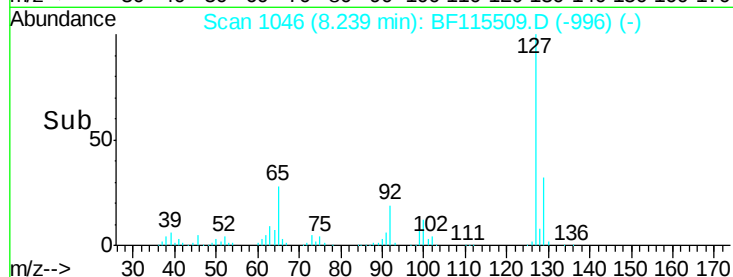
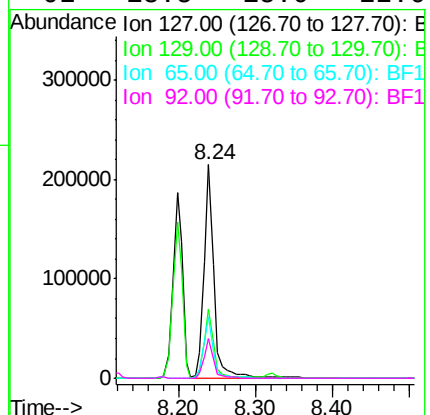
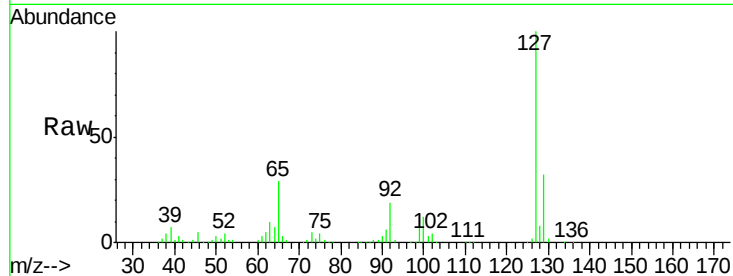




#33
4-Chloroaniline
Concen: 14.159 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

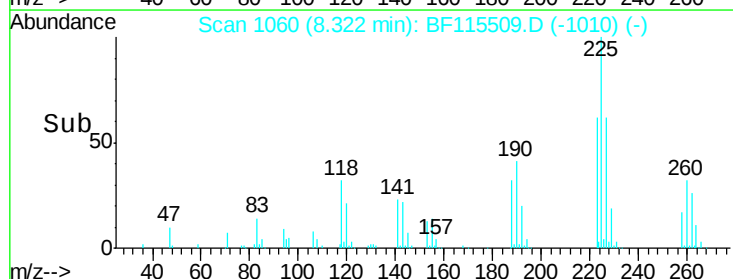
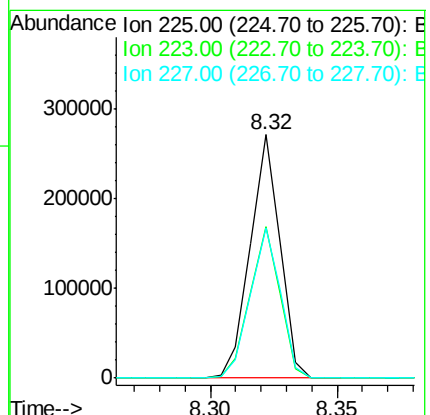
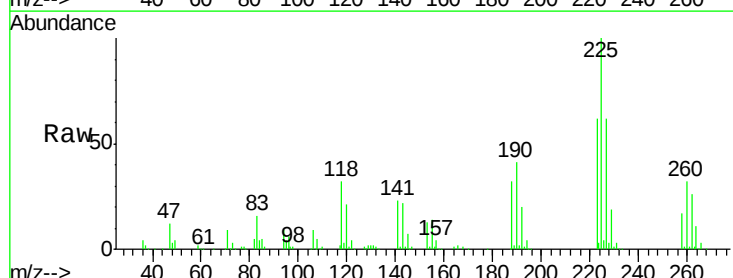
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

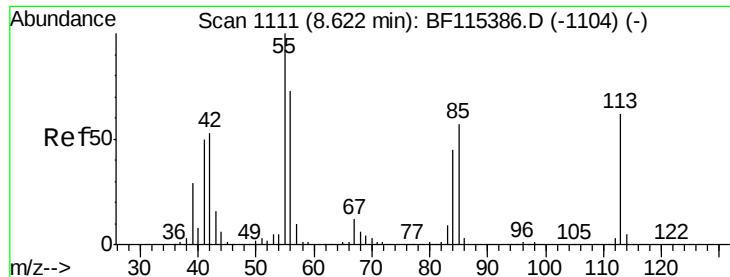
Tot Ion:	127	Resp:	196775
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	28.6	23.2	34.8
92	18.5	15.0	22.6



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

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

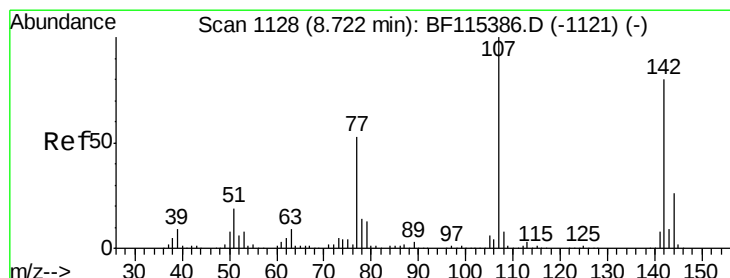
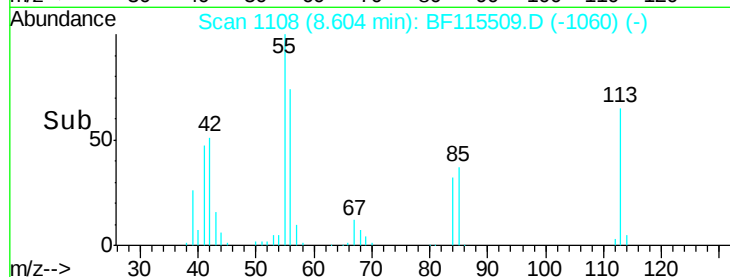
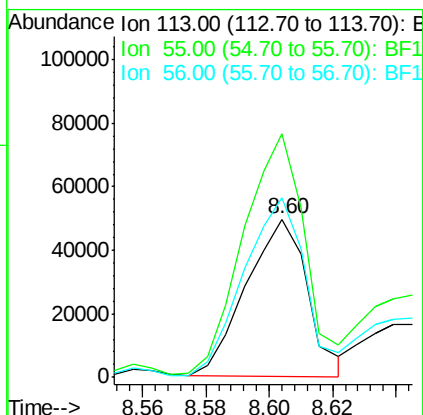
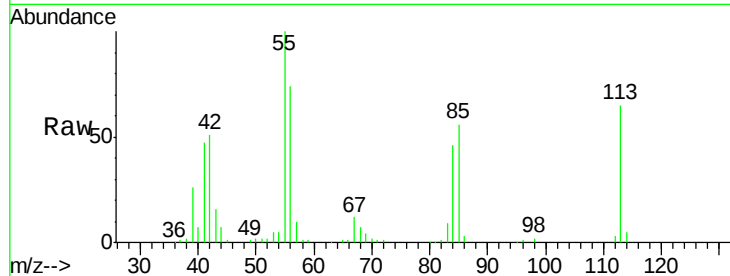




#35
Caprolactam
Concen: 21.815 ng
RT: 8.60 min Scan# 1108
Delta R.T. -0.02 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

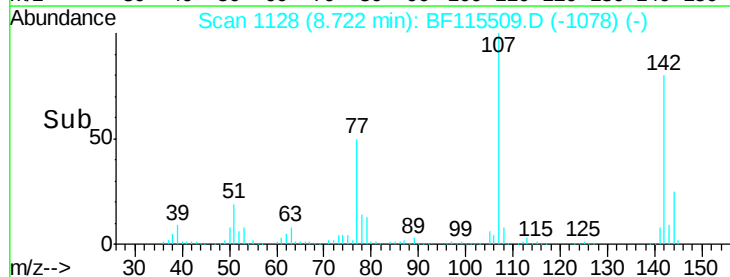
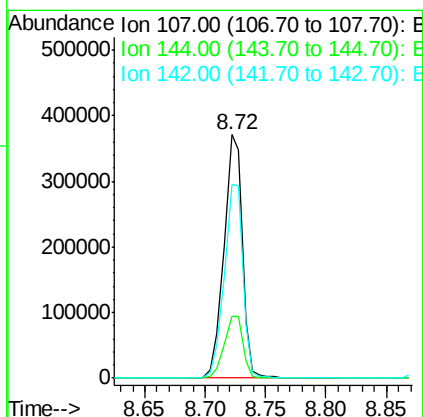
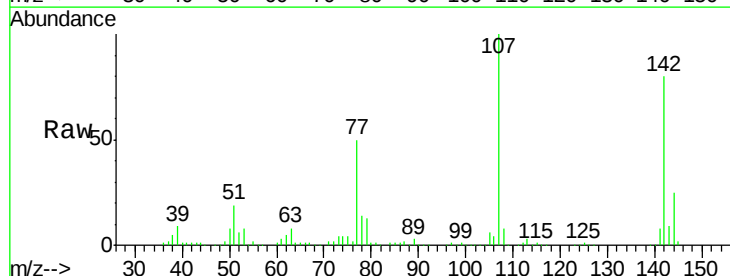
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

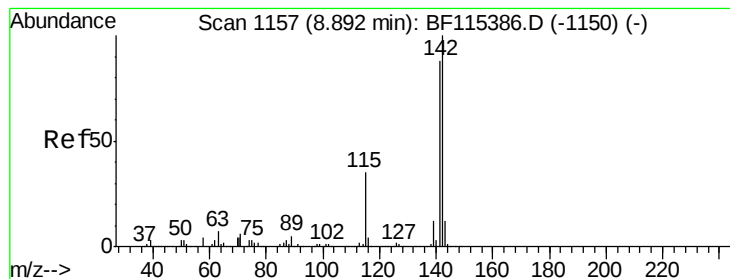
Tot Ion:113 Resp: 66499
Ion Ratio Lower Upper
113 100
55 153.9 138.1 178.1
56 113.9 95.7 135.7



#36
4-Chloro-3-methylphenol
Concen: 39.715 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:107 Resp: 393164
Ion Ratio Lower Upper
107 100
144 25.5 21.5 32.3
142 79.6 66.2 99.2





#37

2-Methylnaphthalene

Concen: 38.901 ng

RT: 8.89 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

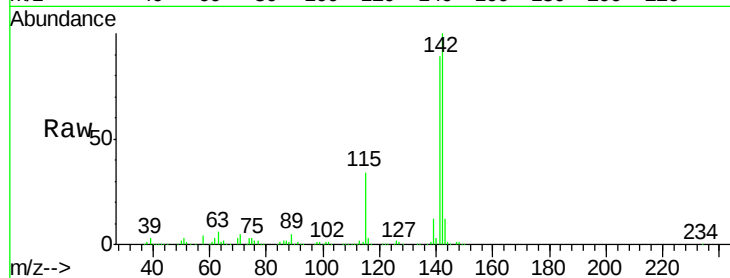
Tot Ion:142 Resp: 809877

Ion Ratio Lower Upper

142 100

141 88.9 72.1 108.1

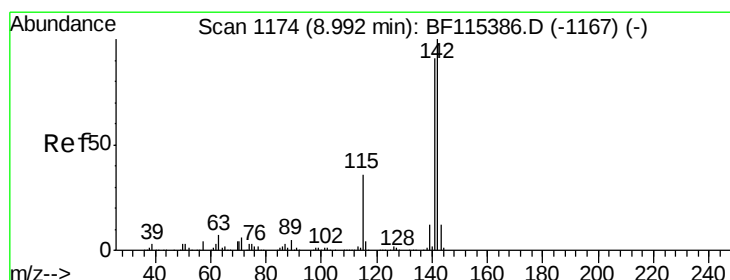
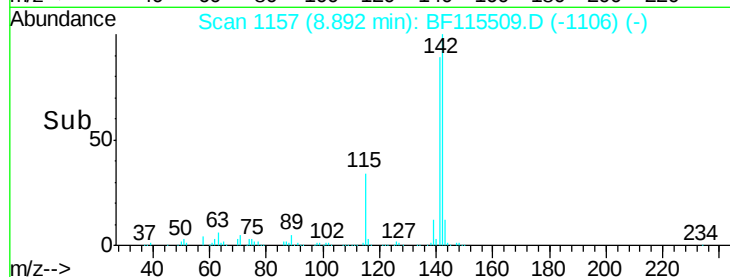
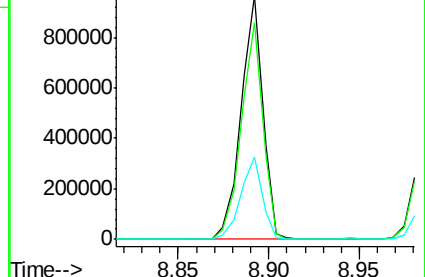
115 34.0 27.6 41.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 38.490 ng

RT: 8.99 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

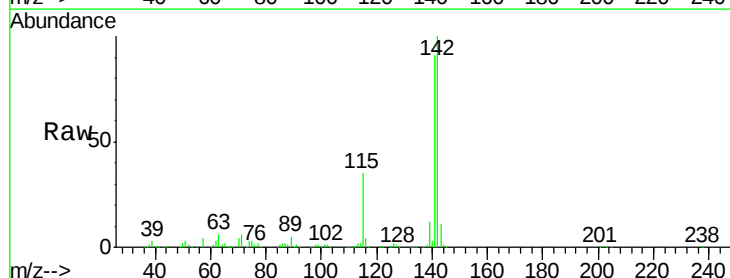
Tgt Ion:142 Resp: 764571

Ion Ratio Lower Upper

142 100

141 91.1 74.3 111.5

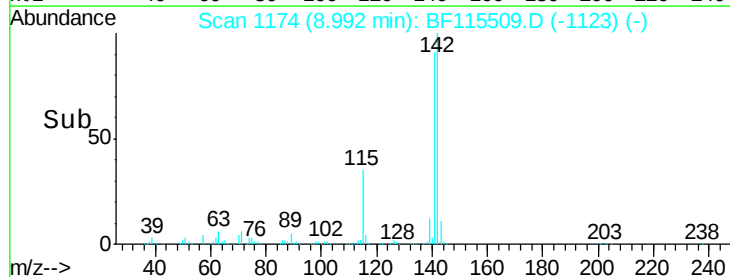
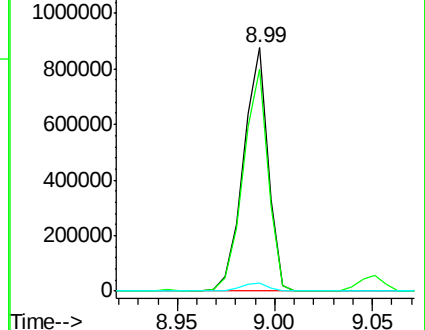
116 3.6 3.1 4.7

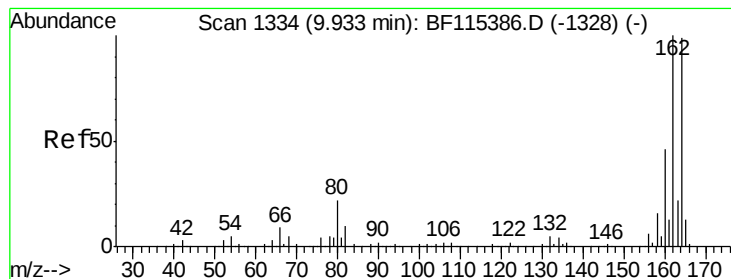


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

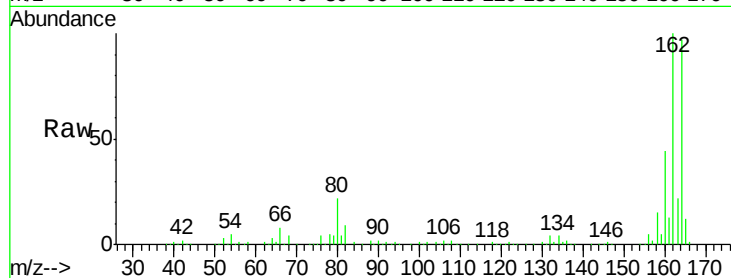
Tot Ion:164 Resp: 320983

Ion Ratio Lower Upper

164 100

162 103.0 82.3 123.5

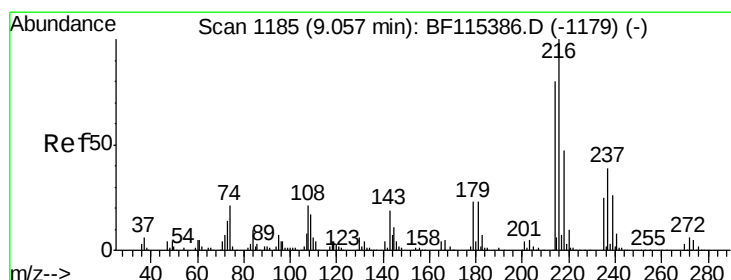
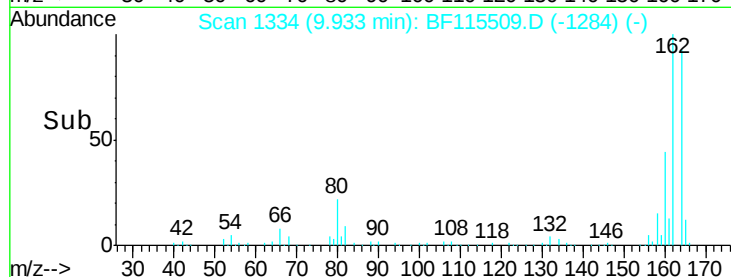
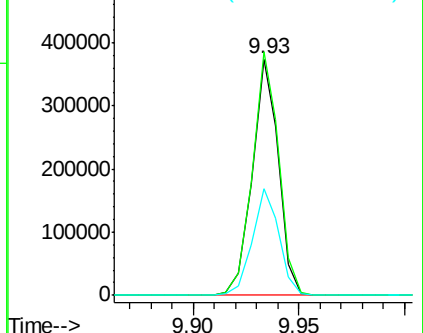
160 45.4 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.806 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:216 Resp: 367579

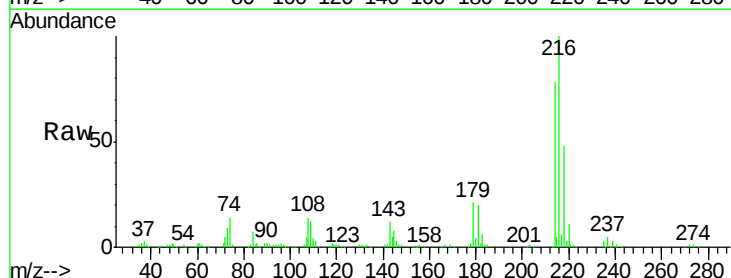
Ion Ratio Lower Upper

216 100

214 79.4 63.0 94.6

179 21.8 17.4 26.0

108 20.6 15.4 23.2

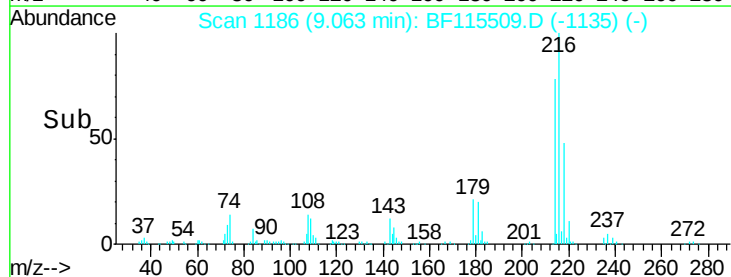
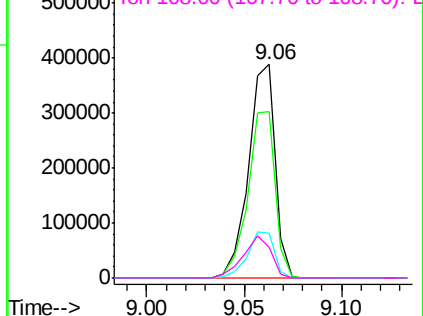


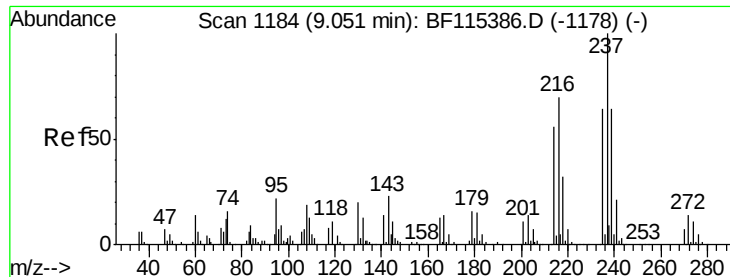
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 73.928 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

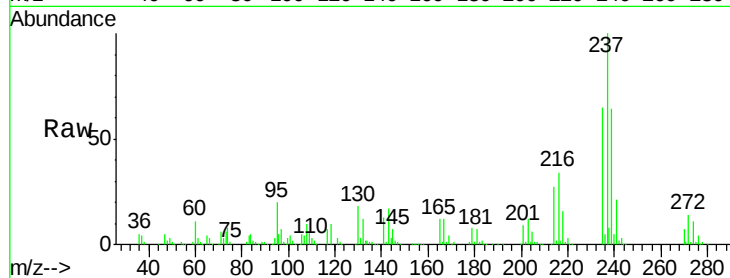
Tot Ion:237 Resp: 395668

Ion Ratio Lower Upper

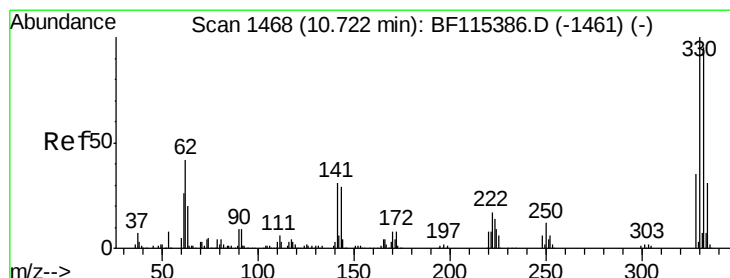
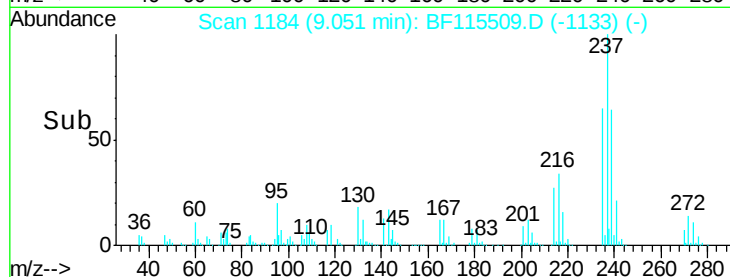
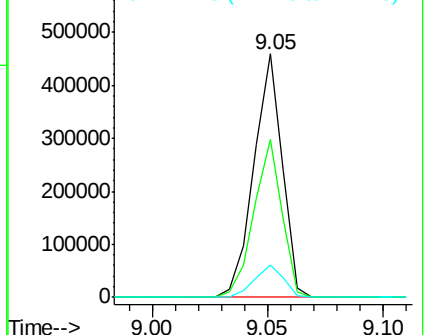
237 100

235 65.0 43.4 83.4

272 13.6 0.0 33.6



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



#42

2,4,6-Tribromophenol

Concen: 130.511 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

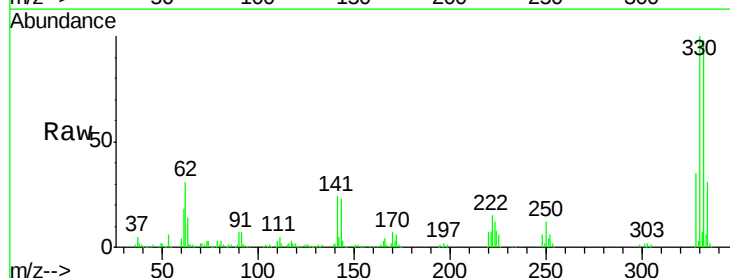
Tgt Ion:330 Resp: 463185

Ion Ratio Lower Upper

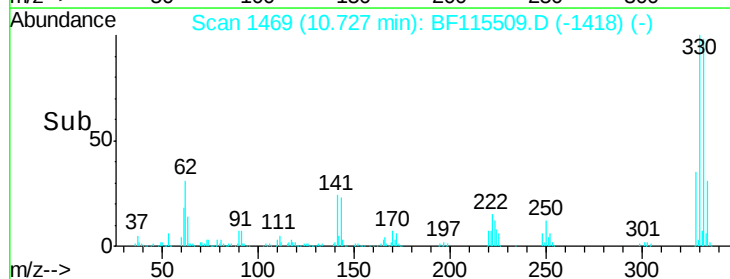
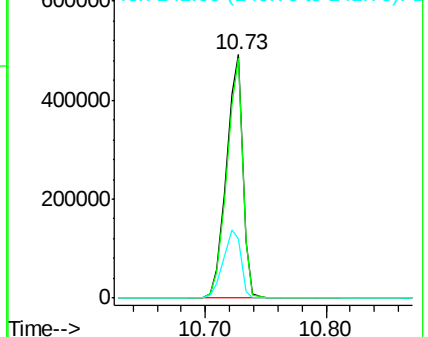
330 100

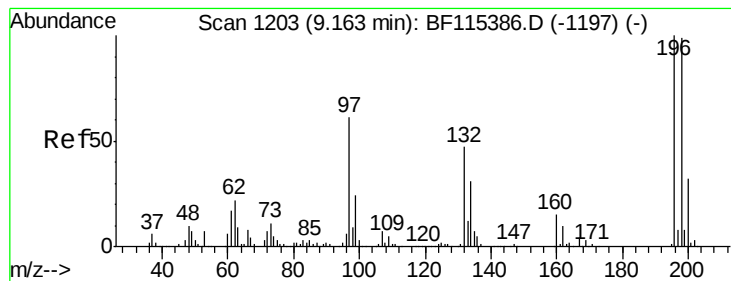
332 96.2 77.4 116.0

141 30.0 24.7 37.1



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





#43

2,4,6-Trichlorophenol

Concen: 40.712 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

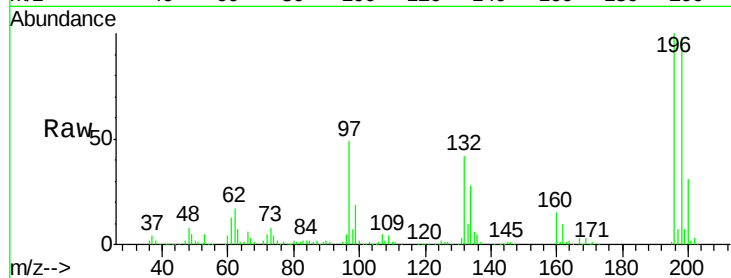
Tot Ion:196 Resp: 273694

Ion Ratio Lower Upper

196 100

198 98.5 78.2 117.4

200 31.4 25.0 37.6

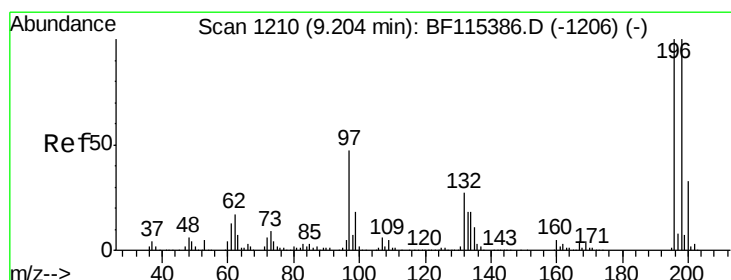
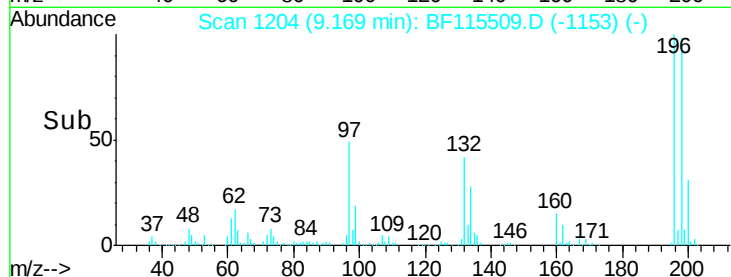
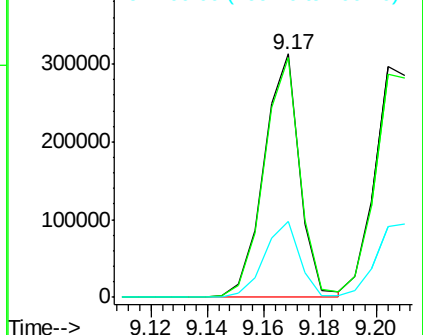


Abundance

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: 41.414 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:196 Resp: 288697

Ion Ratio Lower Upper

196 100

198 97.1 80.6 120.8

97 51.0 34.0 51.0

132 29.1 21.4 32.2

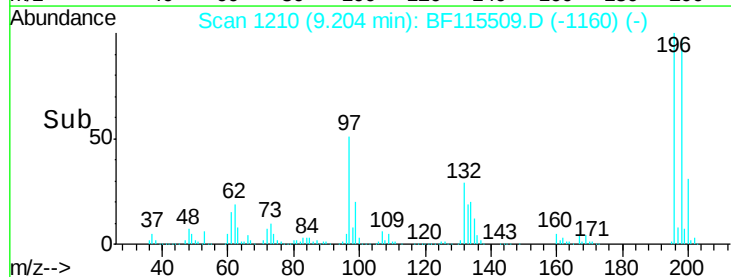
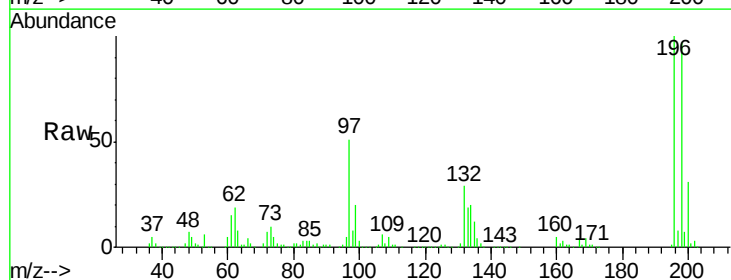
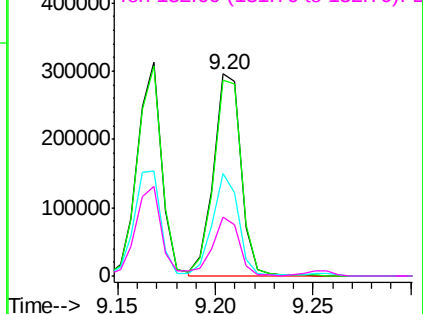
Abundance

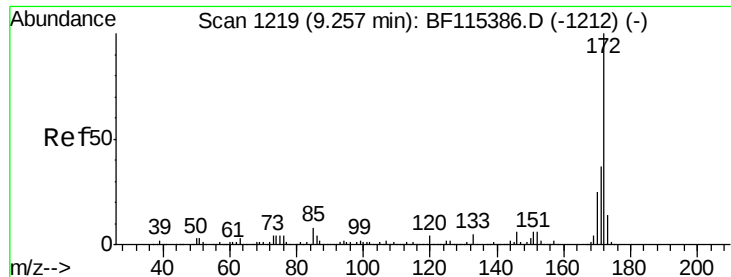
Ion 196.00 (195.70 to 196.70): E

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

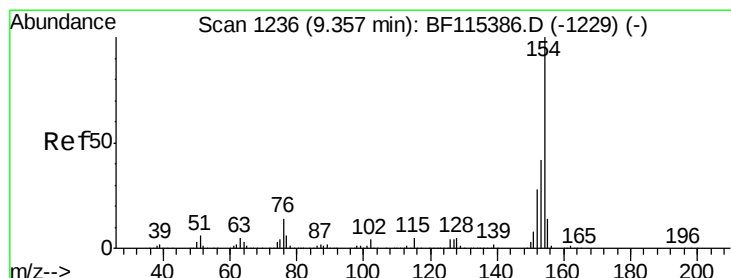
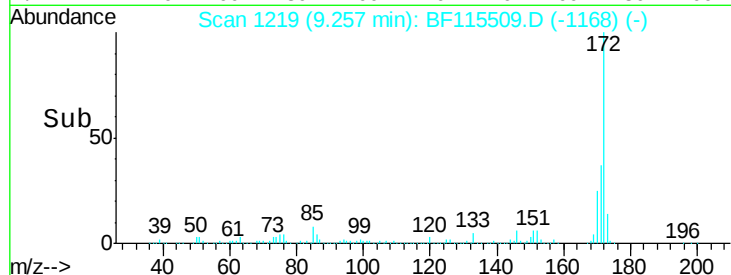
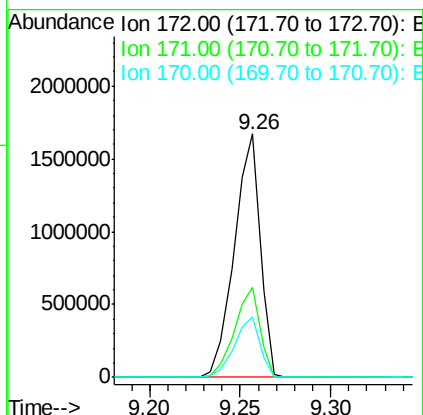
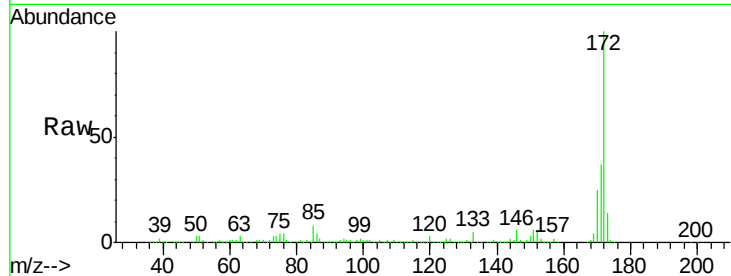




#45
 2-Fluorobiphenyl
 Concen: 90.622 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

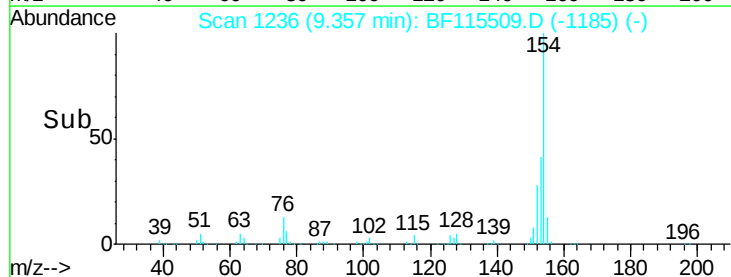
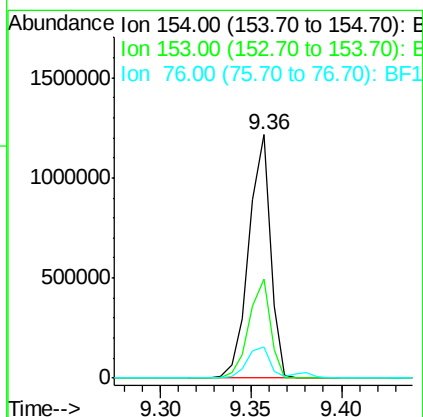
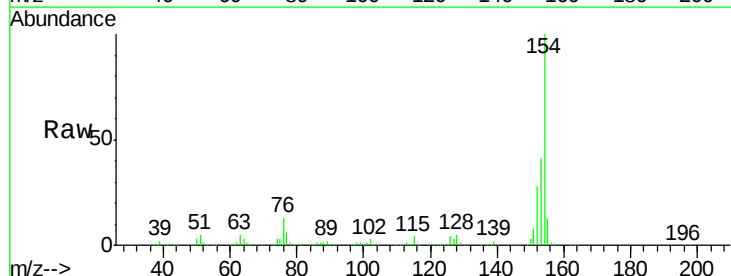
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

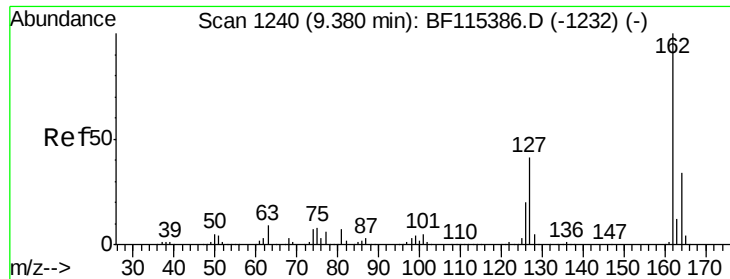
Tot Ion:172 Resp: 1657678
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.8
 170 24.8 20.0 30.0



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

Tgt Ion:154 Resp: 1007581
 Ion Ratio Lower Upper
 154 100
 153 40.9 21.5 61.5
 76 12.8 0.0 34.6

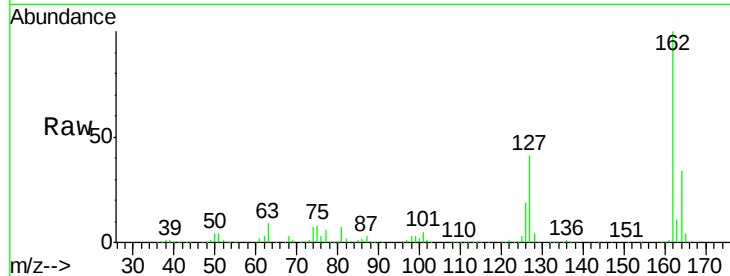




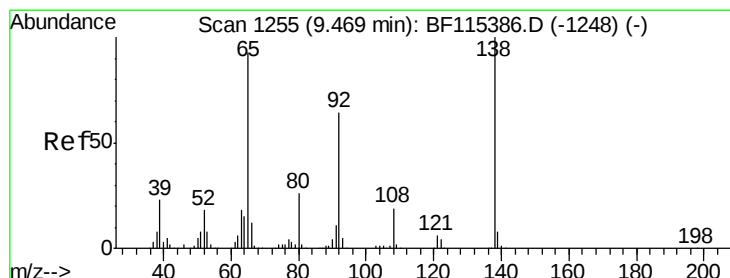
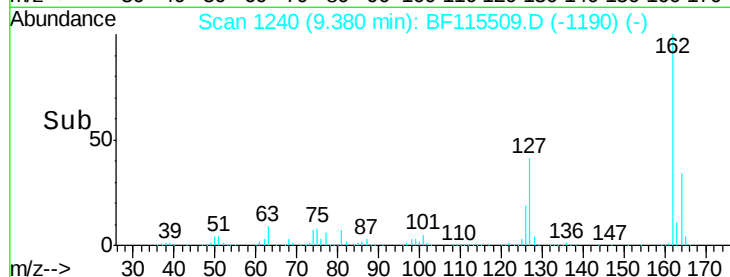
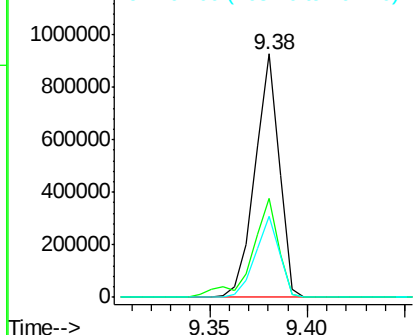
#47
2-Chloronaphthalene
Concen: 38.042 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:162 Resp: 793379
Ion Ratio Lower Upper
162 100
127 40.5 31.4 47.0
164 33.5 27.2 40.8

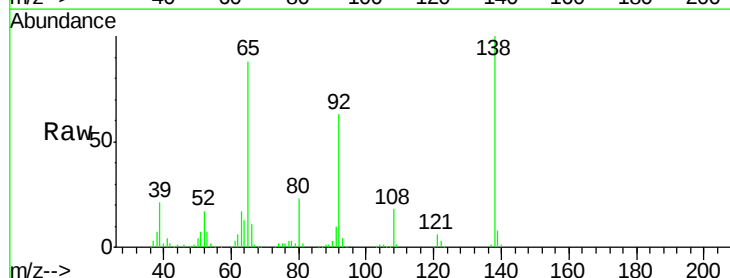


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

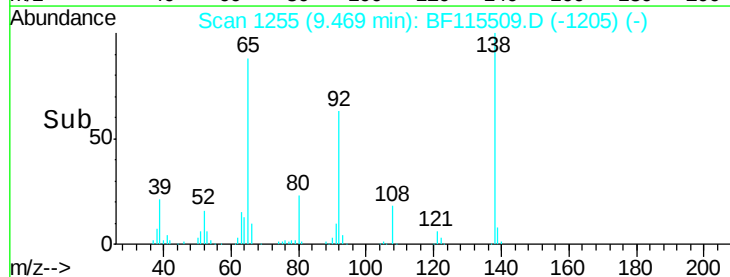
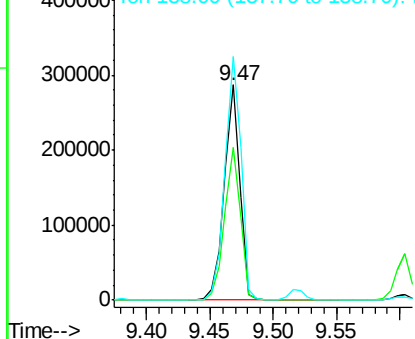


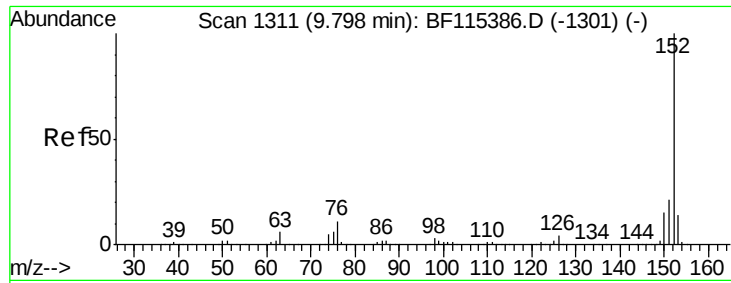
#48
2-Nitroaniline
Concen: 40.320 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion: 65 Resp: 247056
Ion Ratio Lower Upper
65 100
92 70.9 59.0 88.4
138 113.2 98.3 147.5



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





#49

Acenaphthylene

Concen: 39.014 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

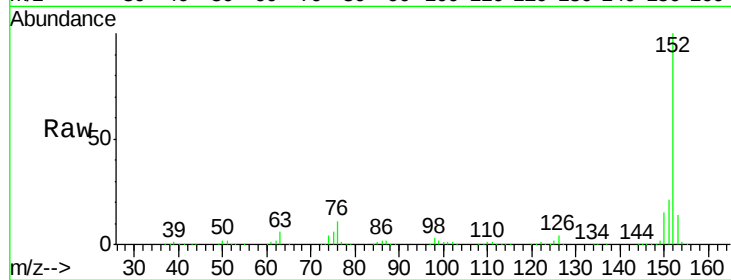
BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion:152 Resp: 1231895

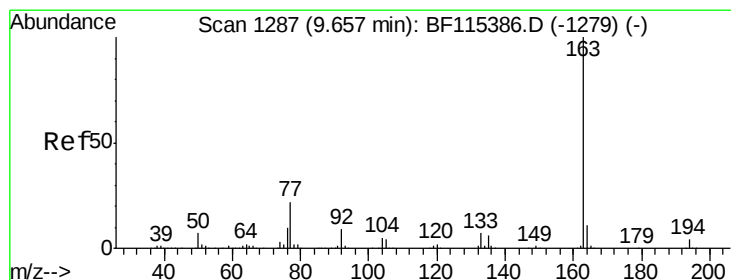
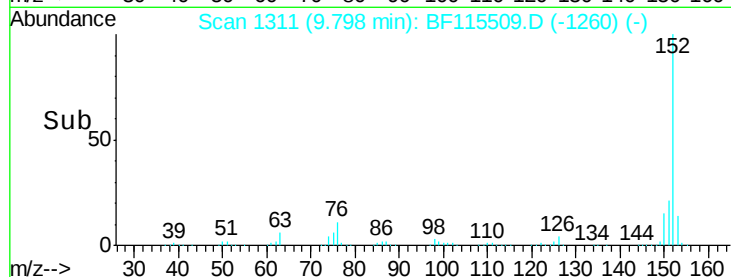
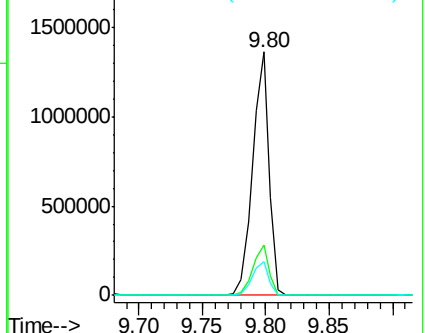
Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.1	25.7
153	13.9	11.8	17.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.890 ng

RT: 9.66 min Scan# 1287

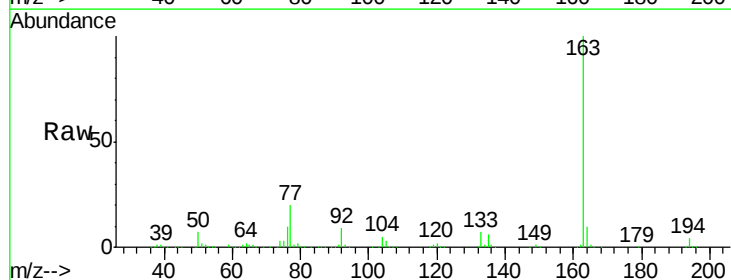
Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Tgt Ion:163 Resp: 1226049

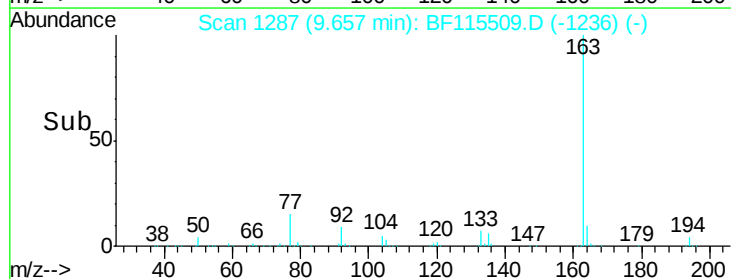
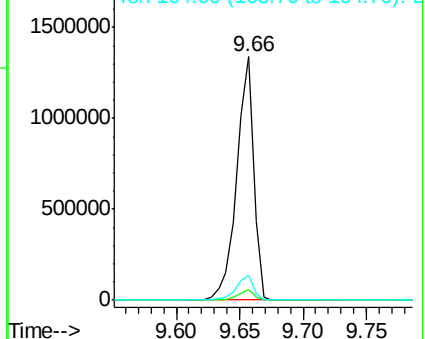
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	10.4	8.6	13.0

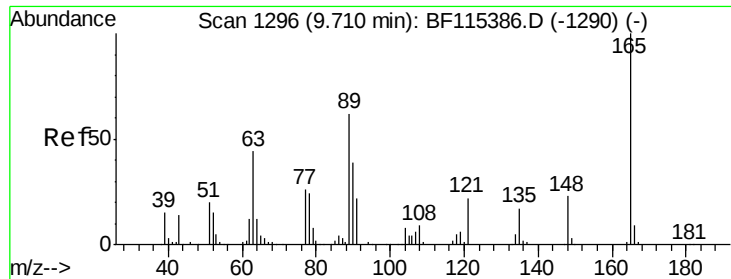


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

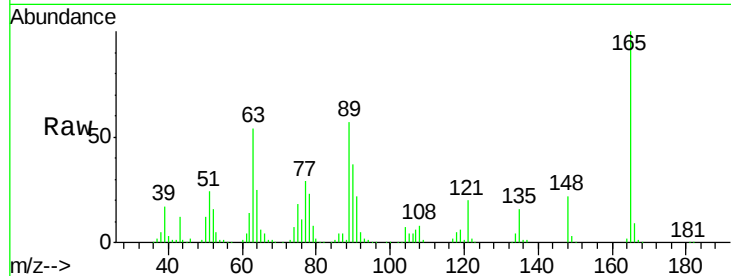




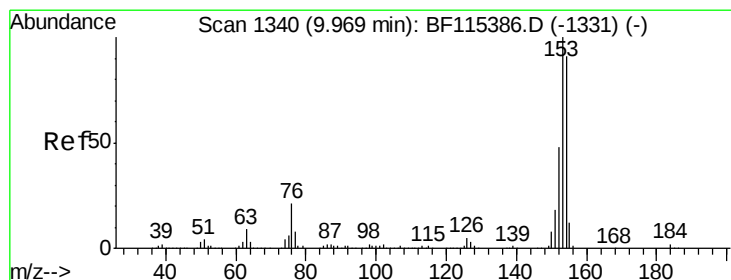
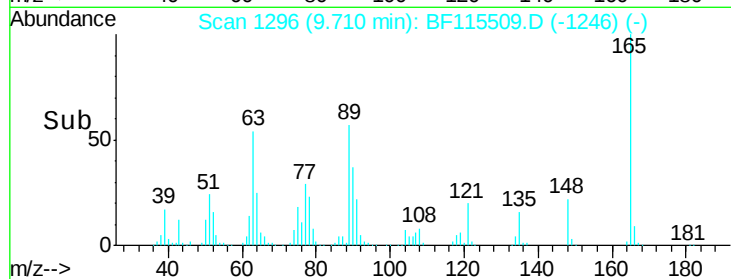
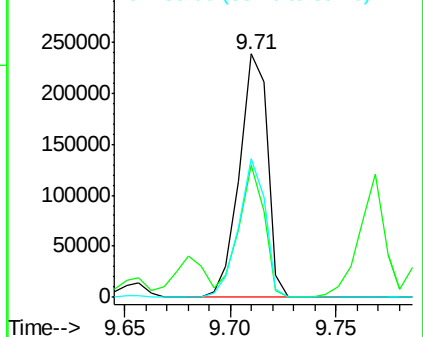
#51
 2,6-Dinitrotoluene
 Concen: 42.094 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

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

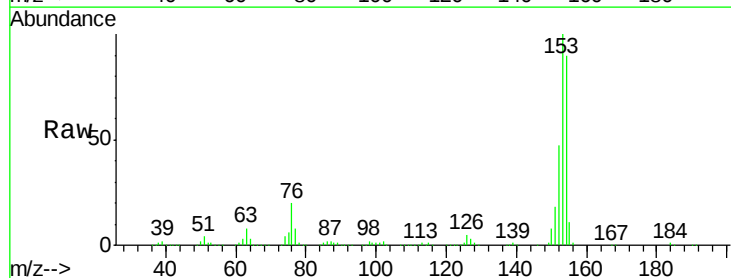


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

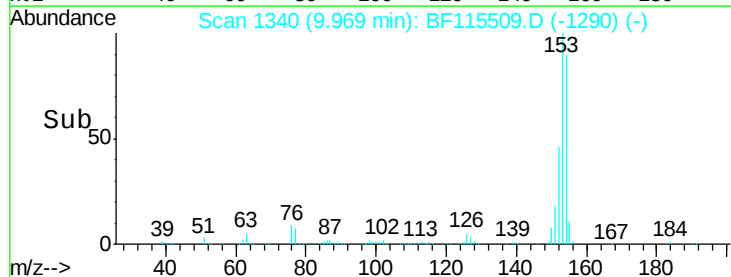
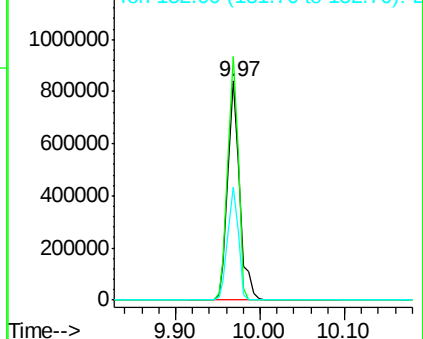


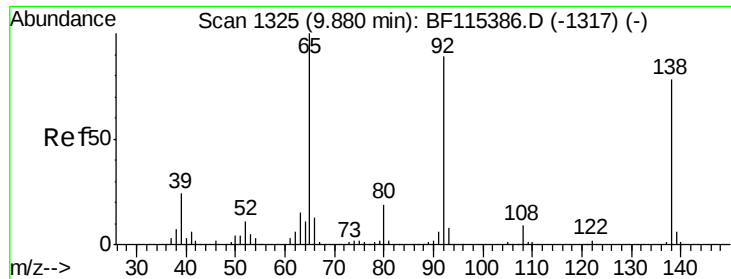
#52
 Acenaphthene
 Concen: 41.312 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

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



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

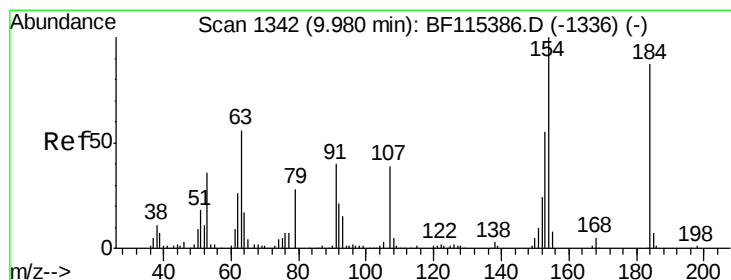
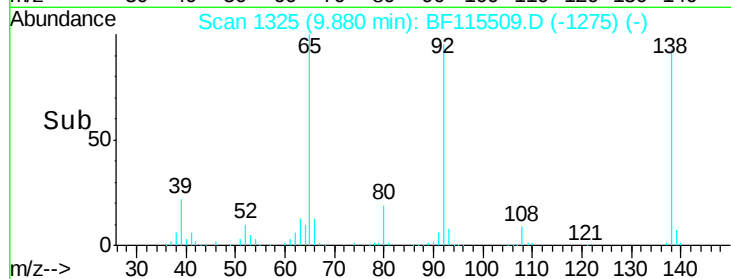
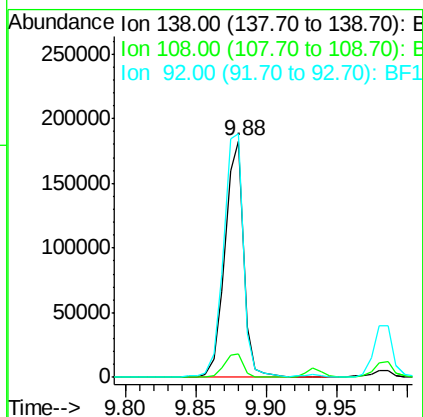
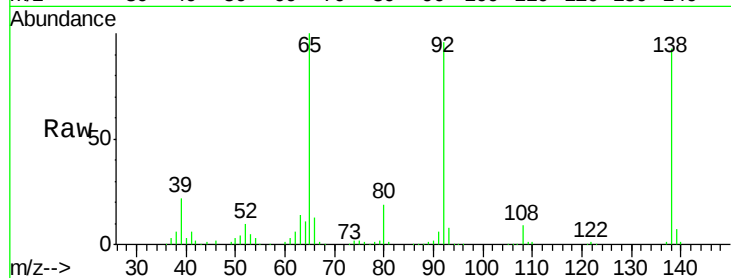




#53
3-Nitroaniline
Concen: 27.879 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

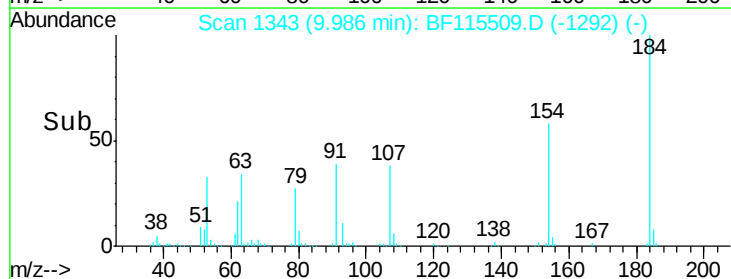
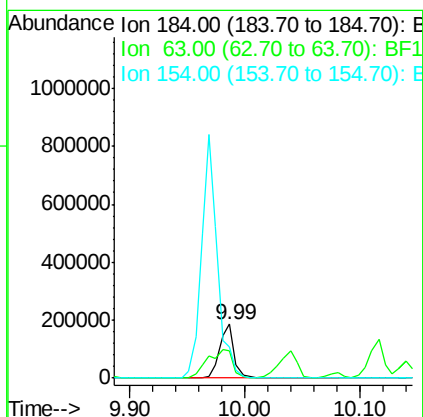
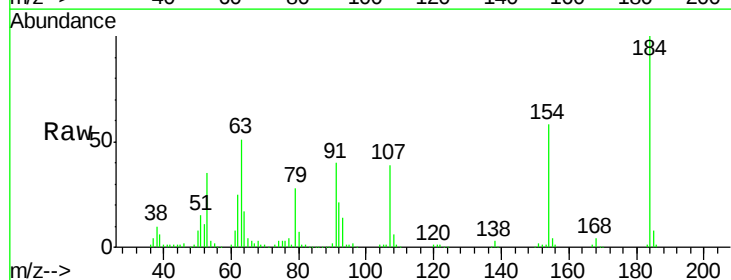
Instrument :
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ClientSampleId :
MANHOLE-TEST-PITMSD

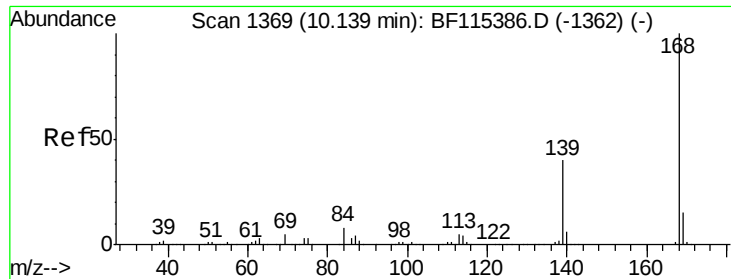
Tot Ion:138 Resp: 169184
Ion Ratio Lower Upper
138 100
108 10.0 8.5 12.7
92 103.2 86.1 129.1



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

Tgt Ion:184 Resp: 161603
Ion Ratio Lower Upper
184 100
63 50.9 45.8 68.6
154 58.2 52.8 79.2

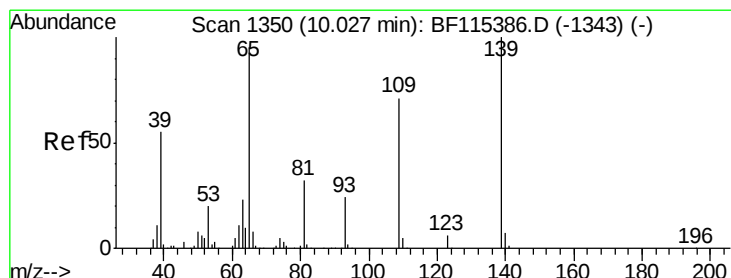
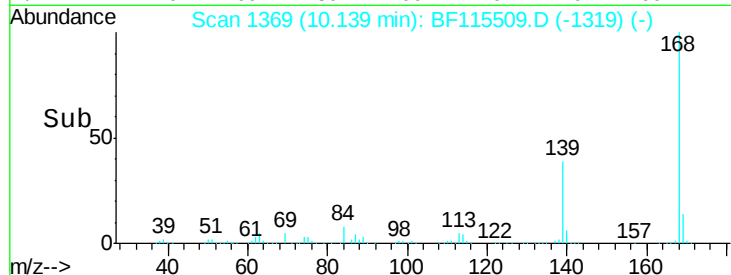
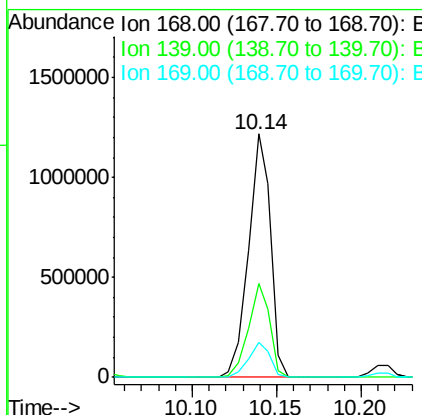
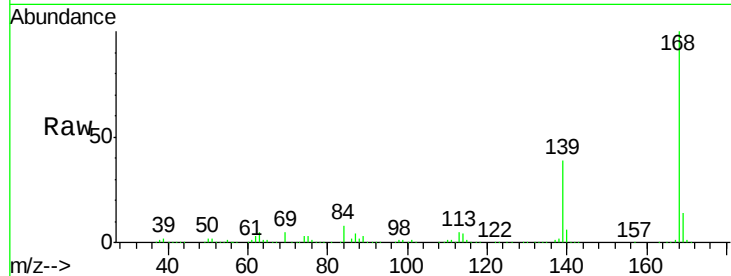




#55
Dibenzenofuran
Concen: 39.685 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

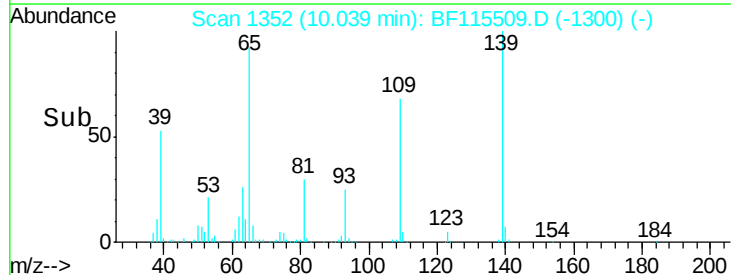
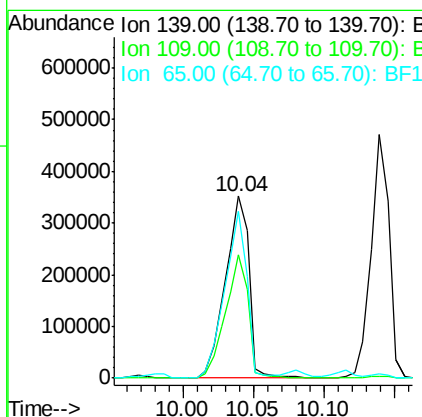
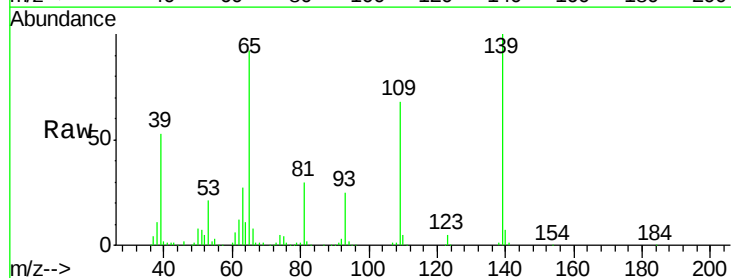
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

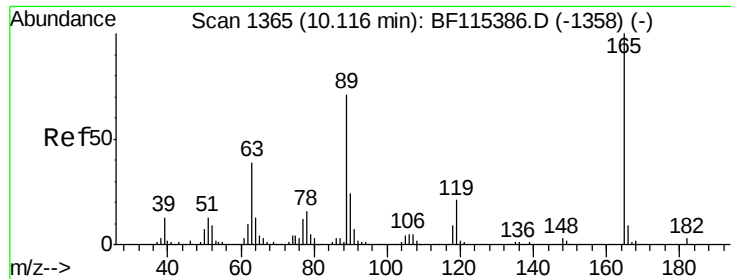
Tot Ion:168 Resp: 1110920
Ion Ratio Lower Upper
168 100
139 38.7 30.6 46.0
169 14.3 11.0 16.6



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

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

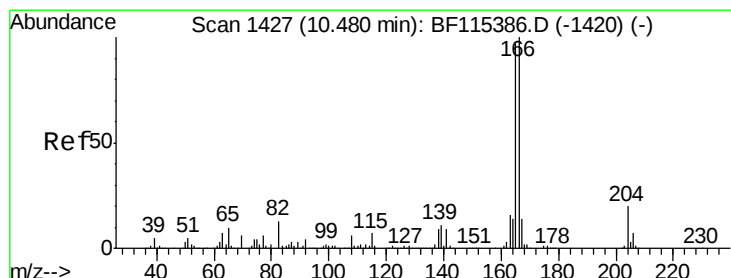
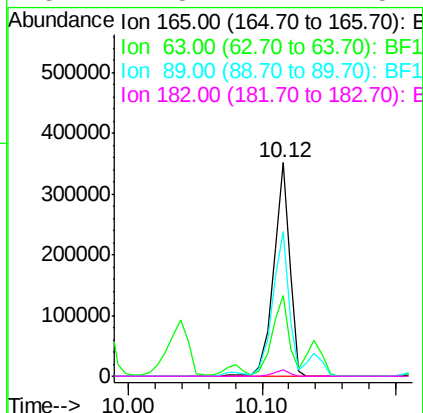
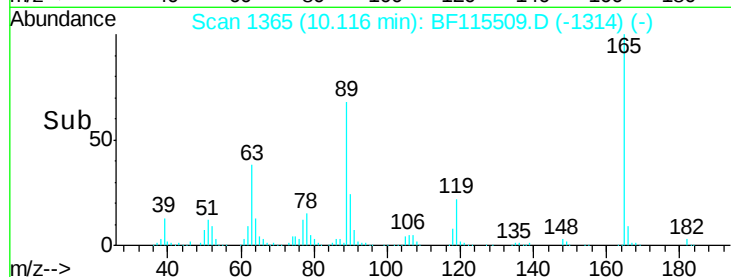
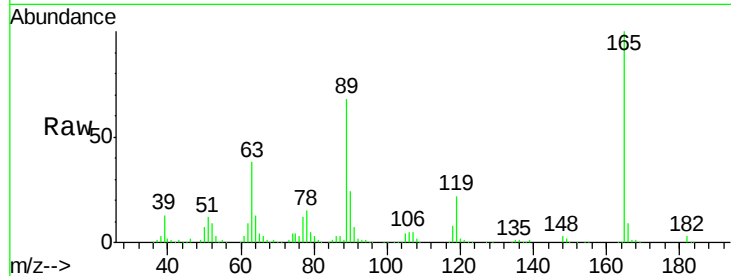




#57
2,4-Dinitrotoluene
Concen: 44.545 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

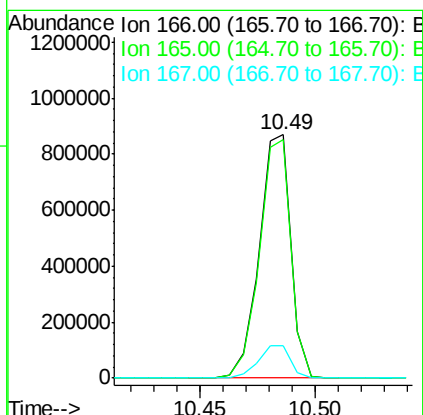
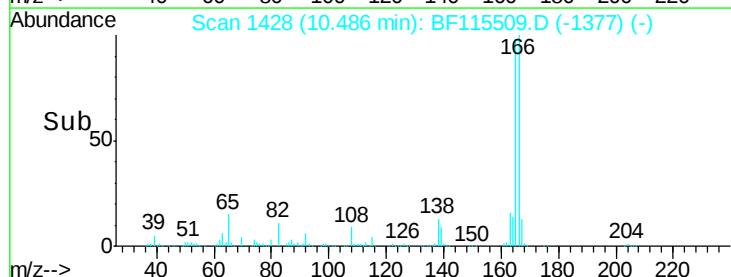
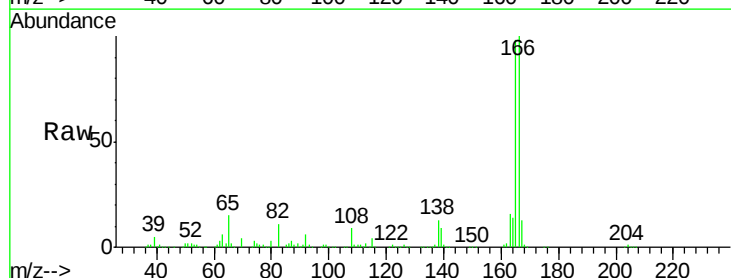
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

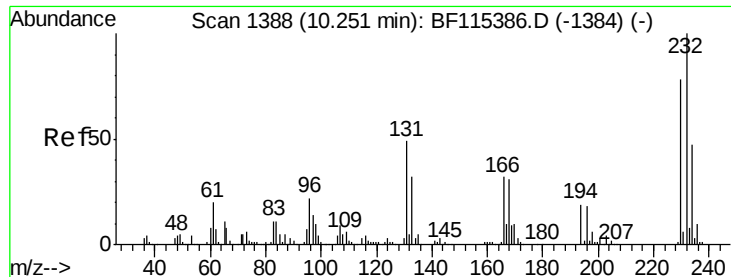
Tot Ion:165	Resp:	295792
Ion Ratio	Lower	Upper
165	100	
63	37.9	33.0 49.4
89	67.6	58.5 87.7
182	2.8	2.1 3.1



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

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

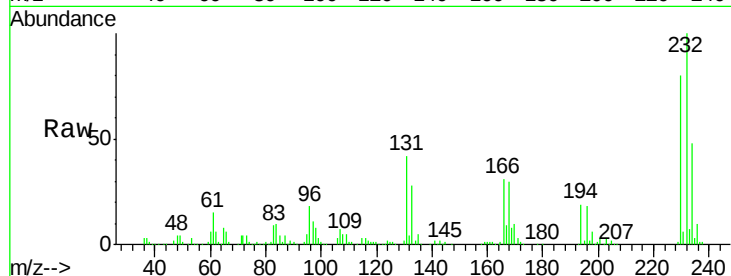




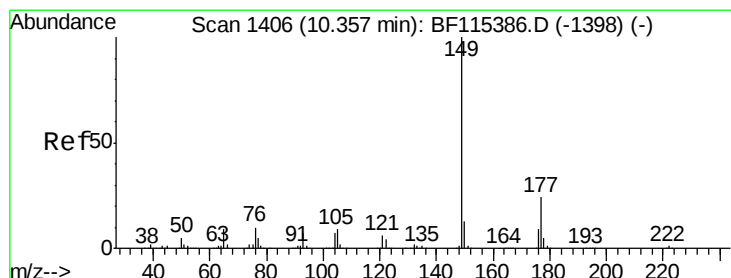
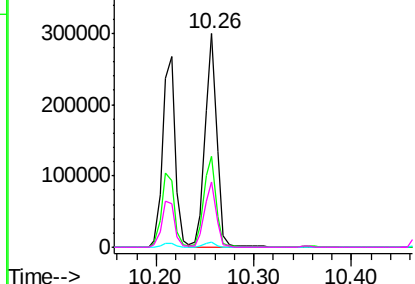
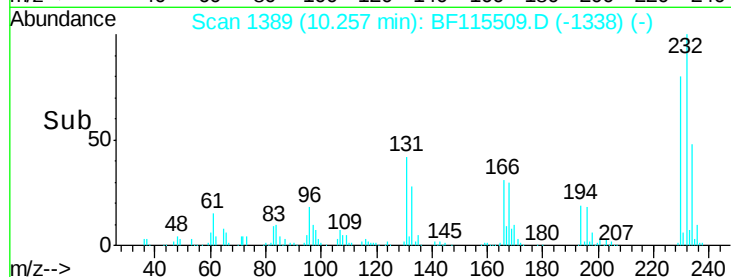
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.910 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:232 Resp: 252381
Ion Ratio Lower Upper
232 100
131 44.2 35.4 53.0
130 2.1 1.7 2.5
166 30.3 24.8 37.2

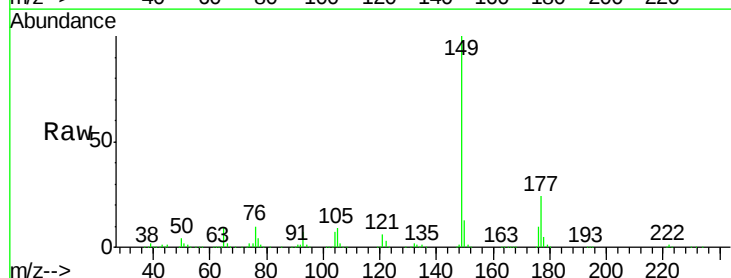


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

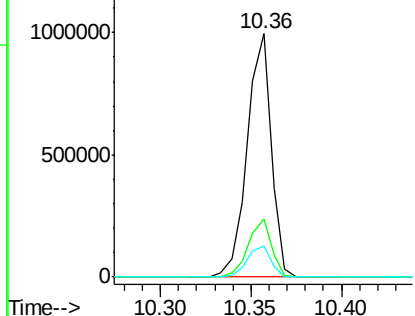
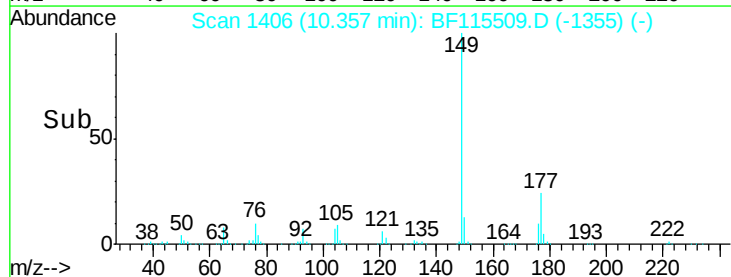


#60
Diethylphthalate
Concen: 38.584 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:149 Resp: 914965
Ion Ratio Lower Upper
149 100
177 23.7 19.0 28.4
150 12.5 10.4 15.6



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

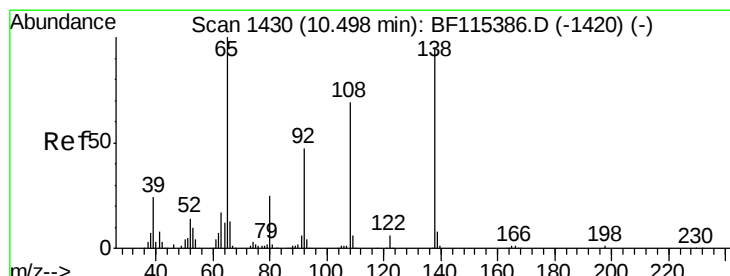
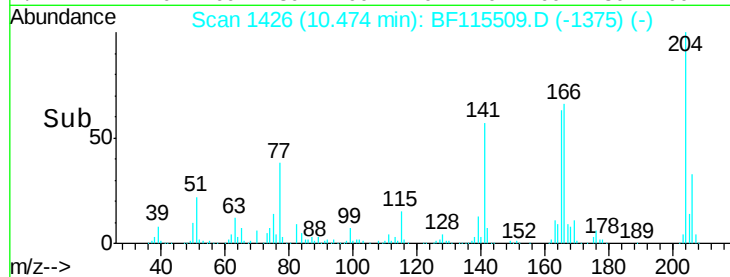
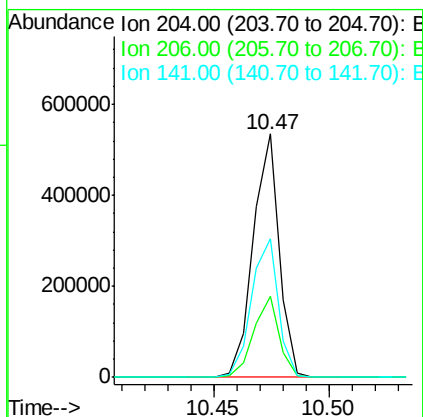
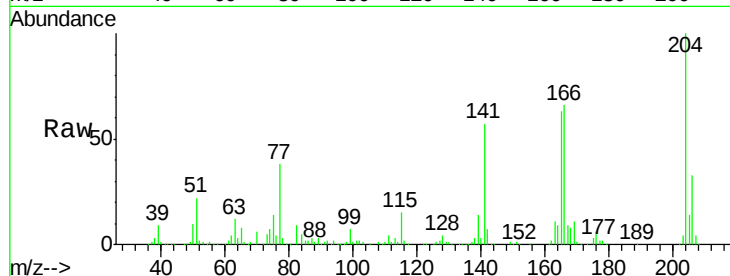




#61
 4-Chlorophenyl-phenylether
 Concen: 39.207 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

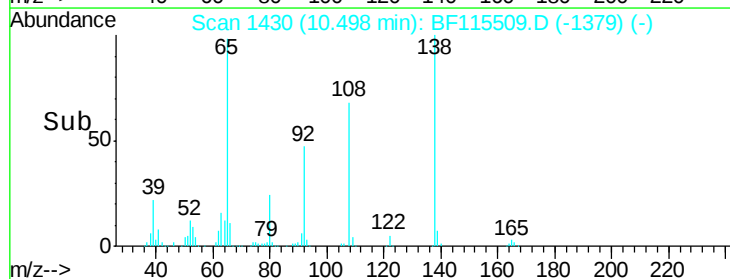
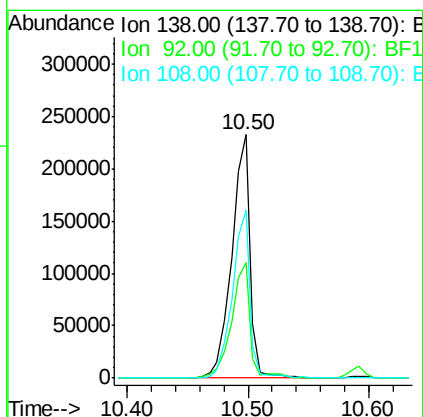
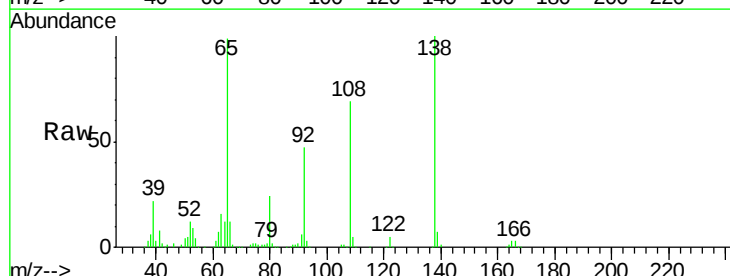
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

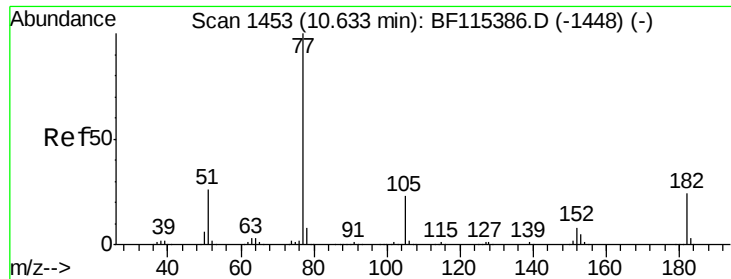
Tot Ion:204 Resp: 422279
 Ion Ratio Lower Upper
 204 100
 206 33.1 26.8 40.2
 141 56.9 47.9 71.9



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

Tgt Ion:138 Resp: 245333
 Ion Ratio Lower Upper
 138 100
 92 47.3 29.9 69.9
 108 68.8 49.0 89.0





#63

Azobenzene

Concen: 36.601 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

Tot Ion: 77 Resp: 894693

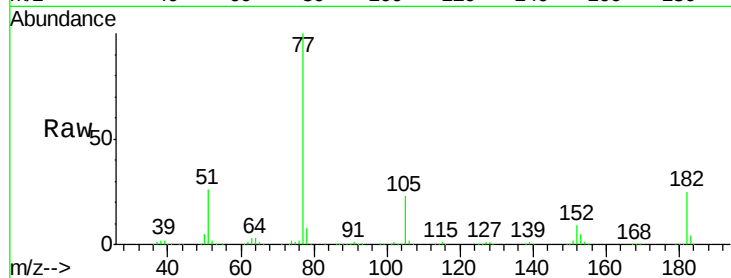
Ion Ratio Lower Upper

77 100

182 25.2 7.7 47.7

105 22.9 3.6 43.6

51 25.6 4.8 44.8

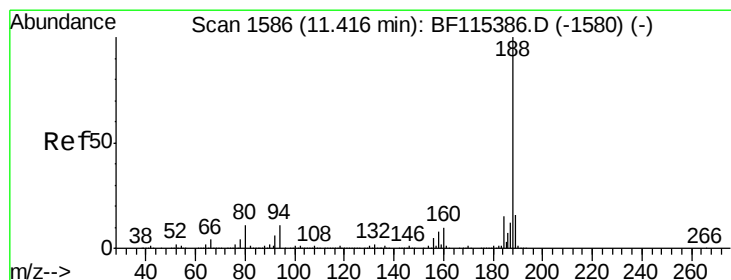
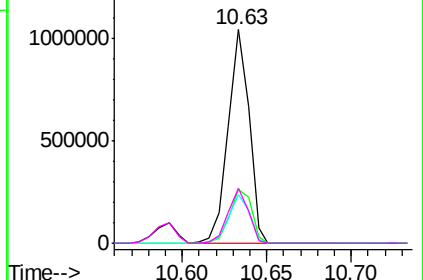
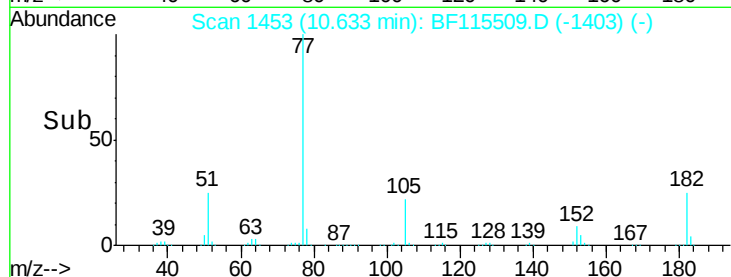


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

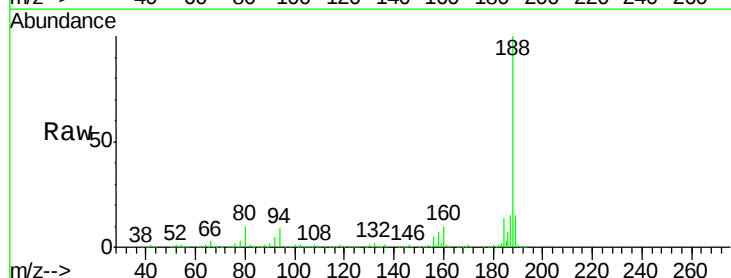
Tgt Ion: 188 Resp: 654969

Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.8

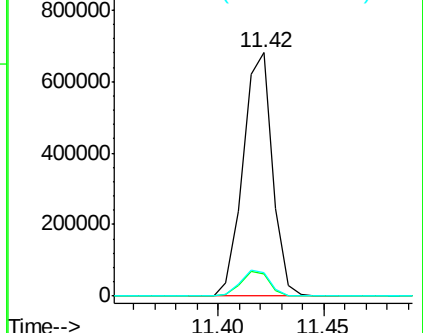
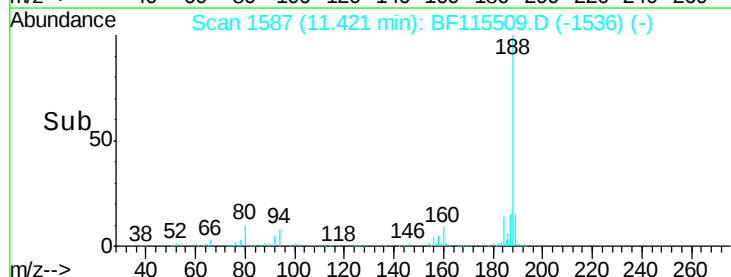
80 9.7 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

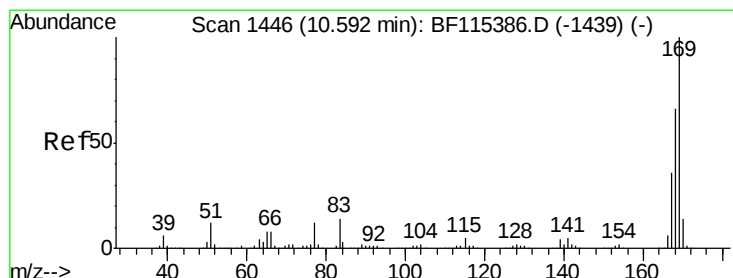
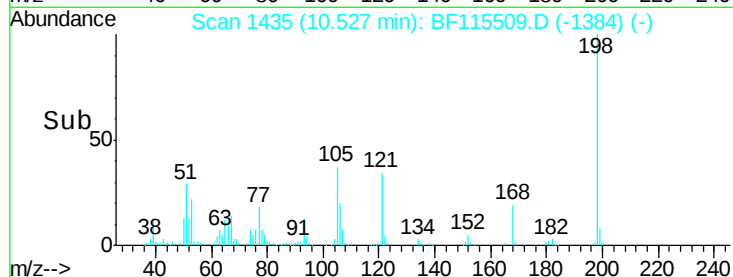
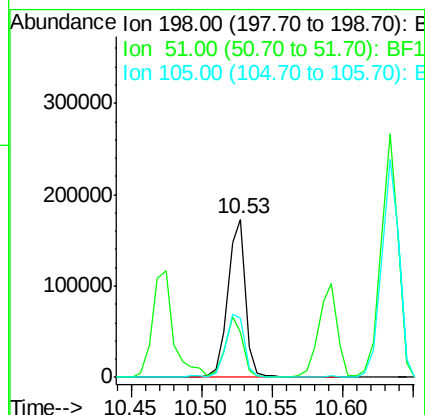
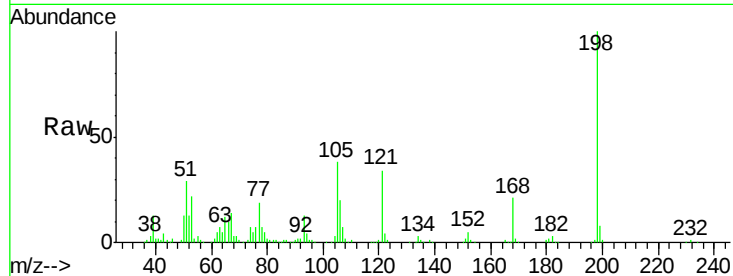




#65
4,6-Dinitro-2-methylphenol
Concen: 47.971 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

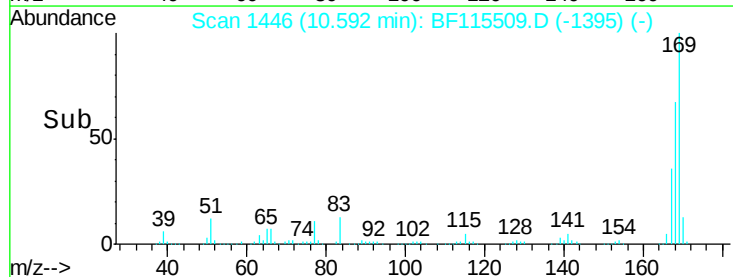
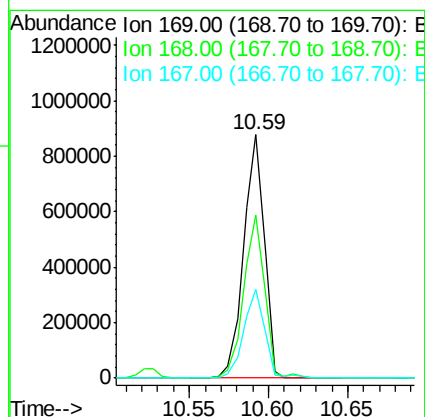
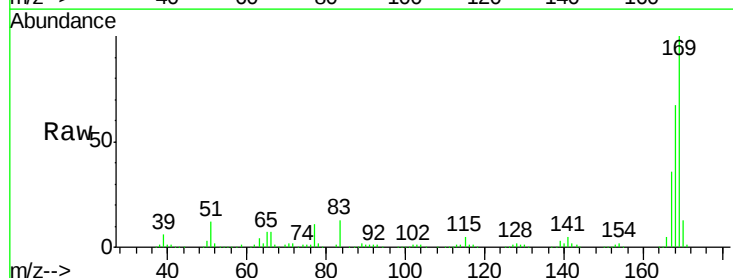
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:198 Resp: 150420
Ion Ratio Lower Upper
198 100
51 28.7 20.7 60.7
105 37.8 25.3 65.3



#66
n-Nitrosodiphenylamine
Concen: 38.172 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Tgt Ion:169 Resp: 787747
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.3 29.4 44.2

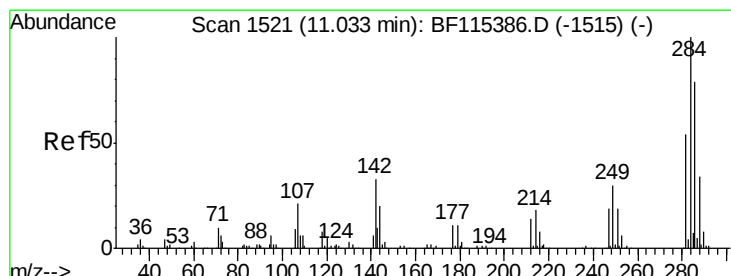
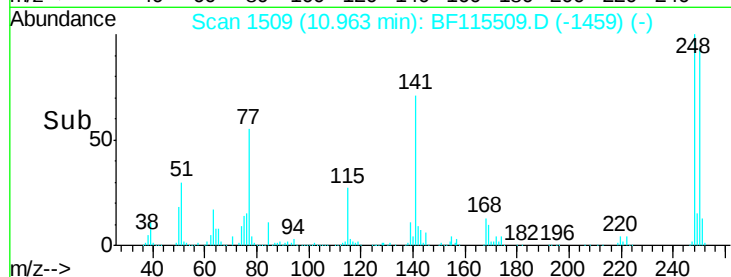
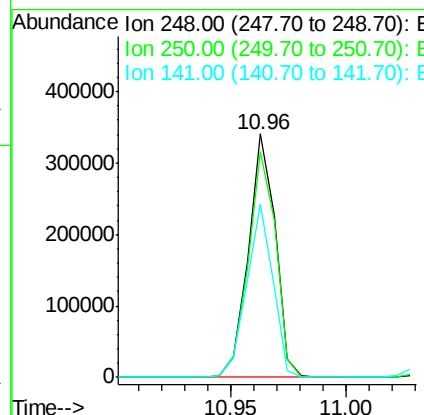
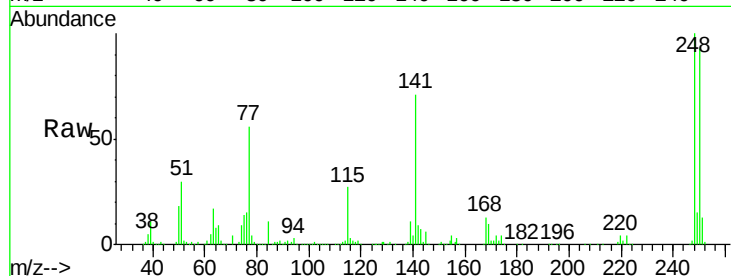




#67
4-Bromophenyl-phenylether
Concen: 37.953 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

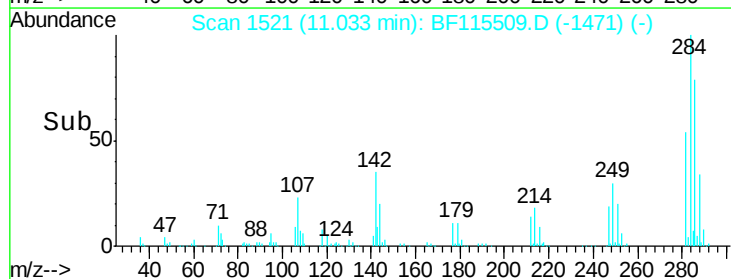
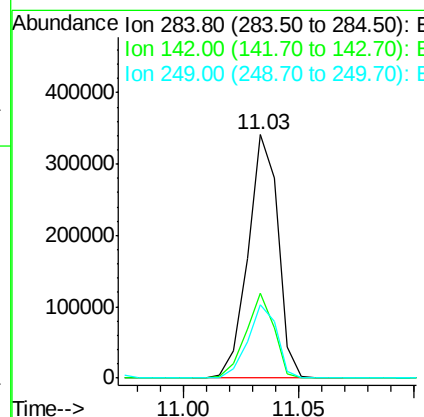
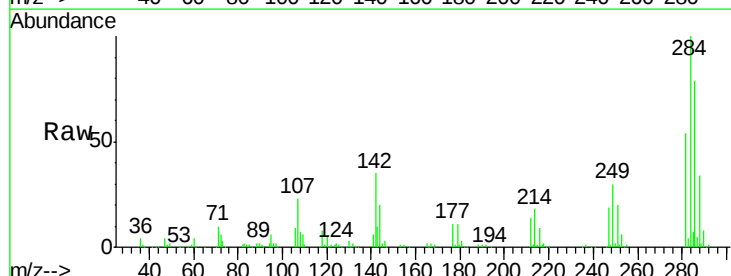
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

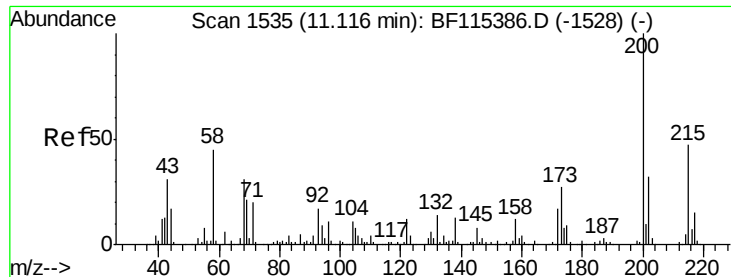
Tot Ion:248 Resp: 278923
Ion Ratio Lower Upper
248 100
250 92.8 78.3 117.5
141 71.0 52.2 78.2



#68
Hexachlorobenzene
Concen: 37.546 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

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

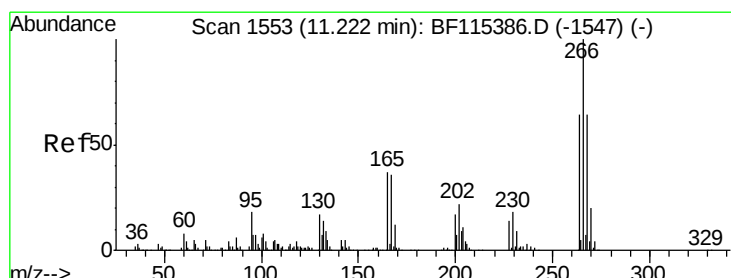
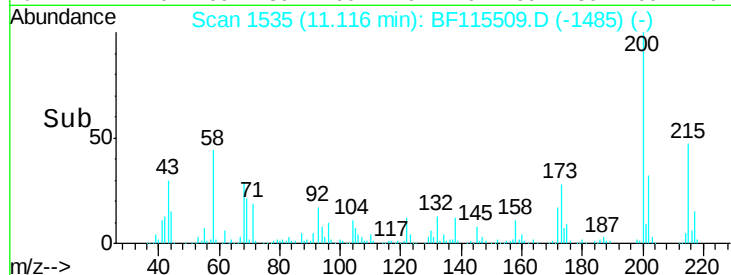
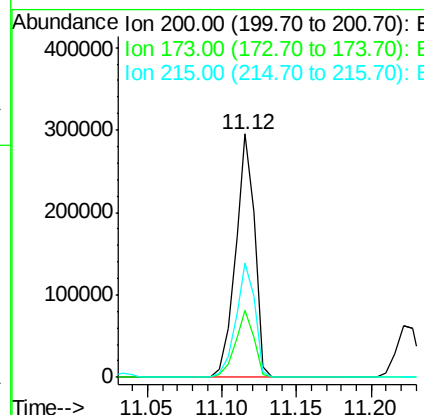
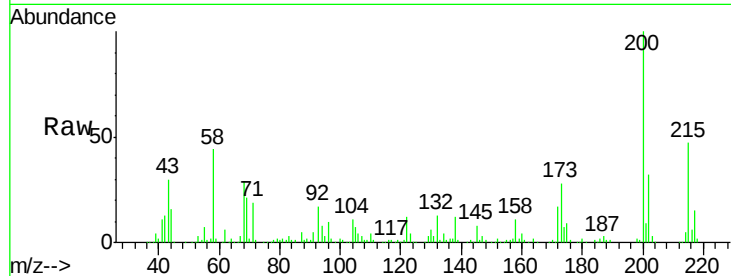




#69
Atrazine
Concen: 41.770 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

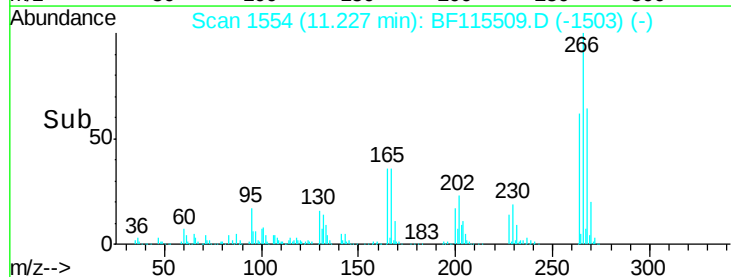
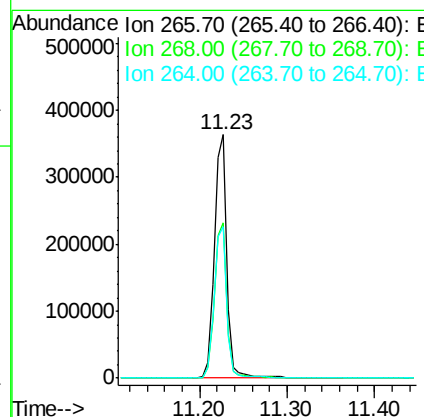
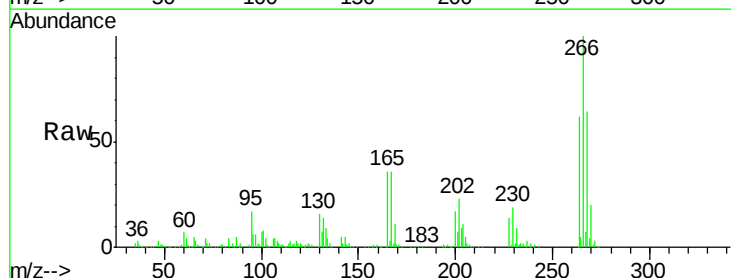
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

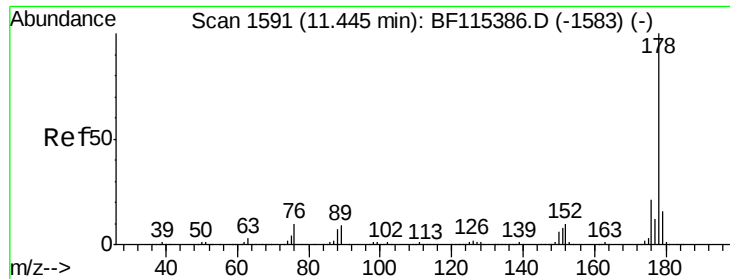
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	47.2	27.8	67.8



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

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

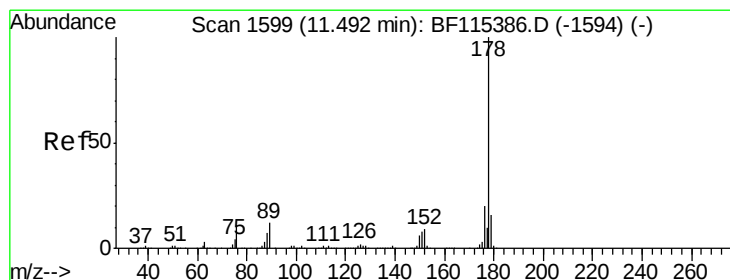
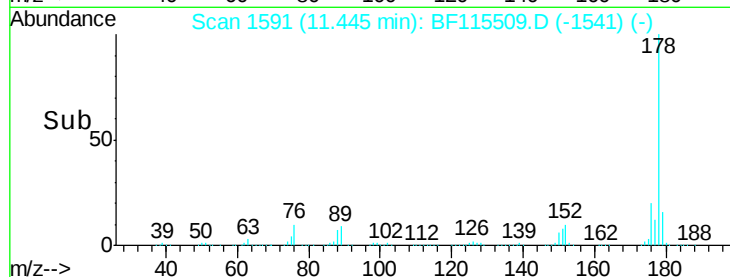
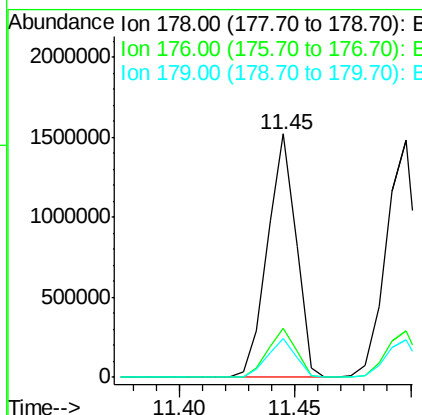
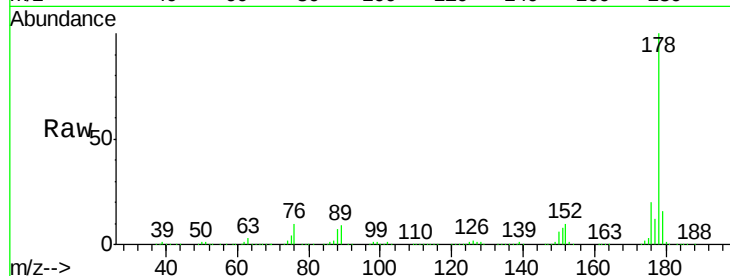




#71
 Phenanthrene
 Concen: 38.086 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF115509.D
 Acq: 11 Jul 2019 22:01

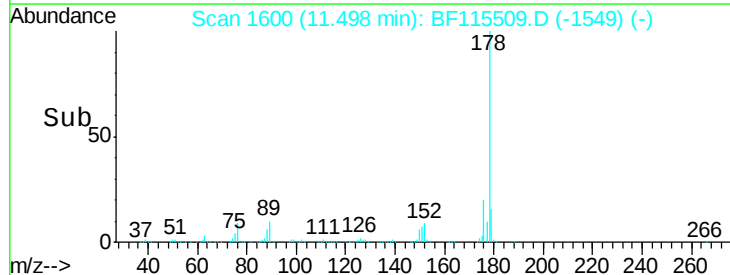
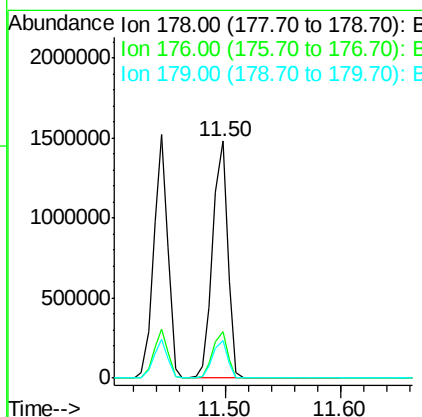
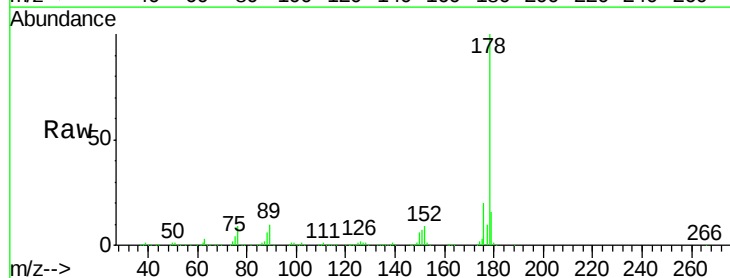
Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PITMSD

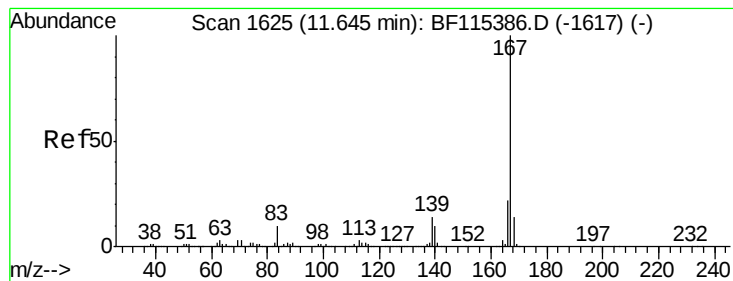
Tot Ion:178 Resp: 1311927
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.6 24.8
 179 15.7 12.7 19.1



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

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





#73

Carbazole

Concen: 38.588 ng

RT: 11.64 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

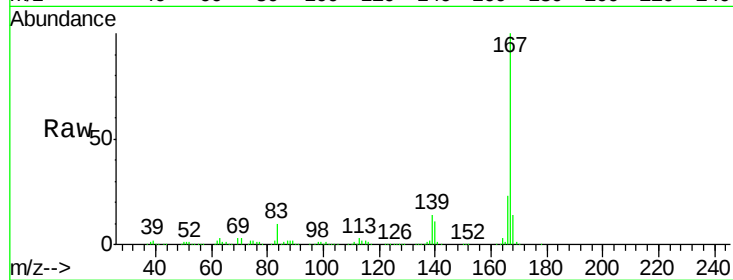
Tot Ion:167 Resp: 1219406

Ion Ratio Lower Upper

167 100

166 22.7 17.8 26.8

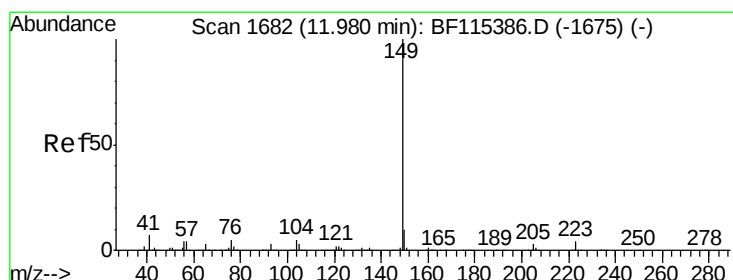
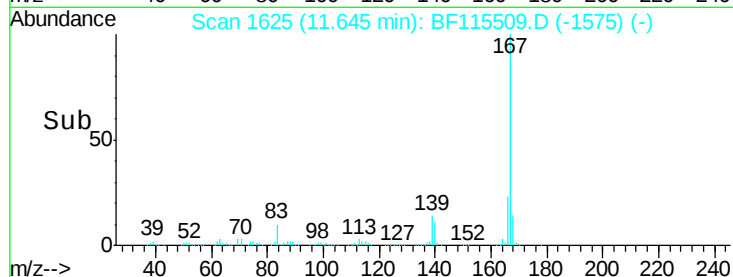
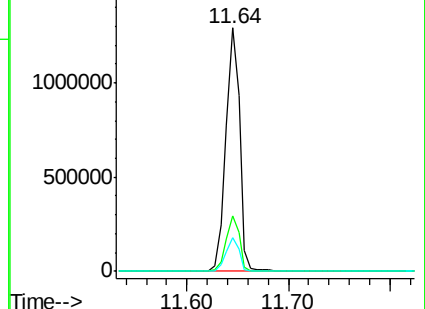
139 13.7 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 37.248 ng

RT: 11.98 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

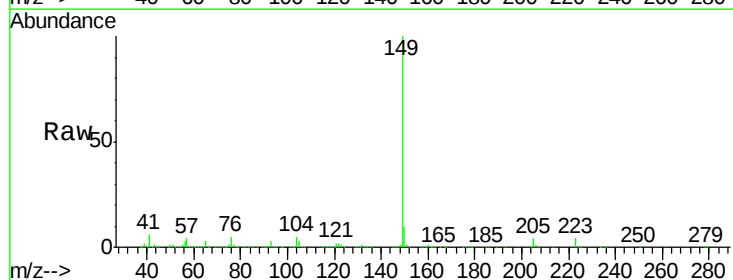
Tgt Ion:149 Resp: 1422544

Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

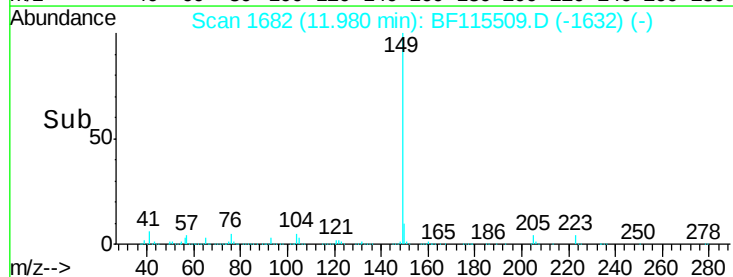
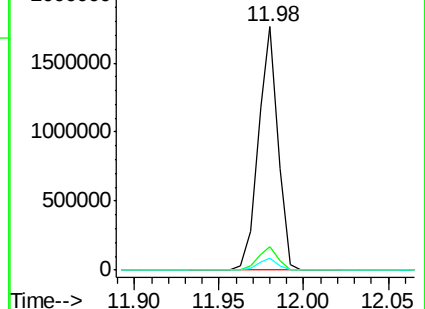
104 5.1 3.9 5.9

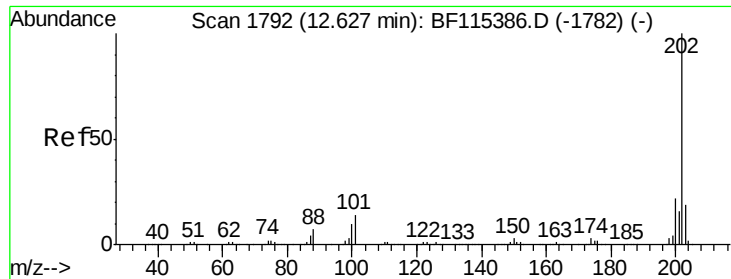


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

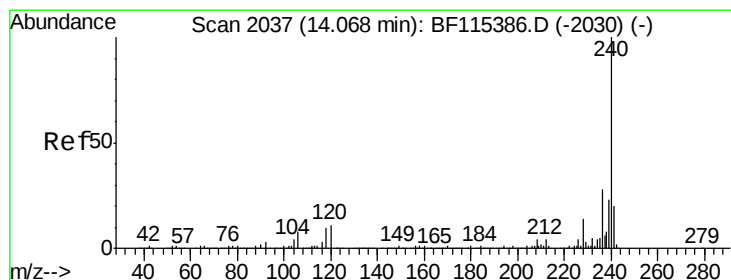
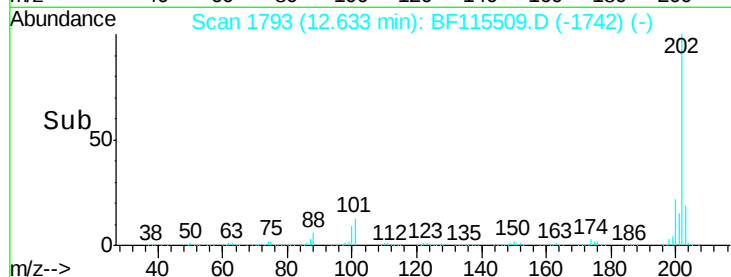
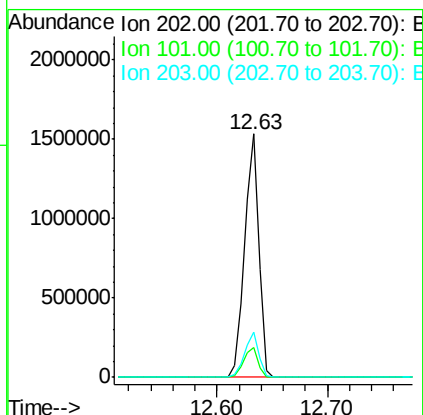
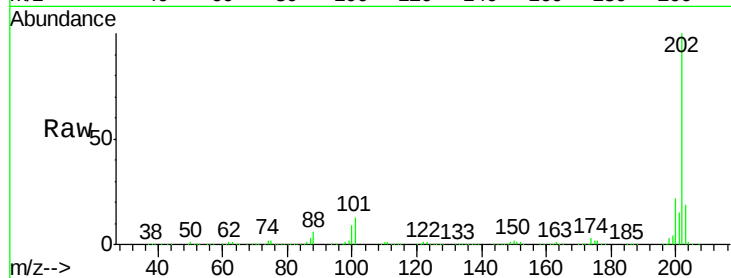




#75
Fluoranthene
Concen: 38.417 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.00 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

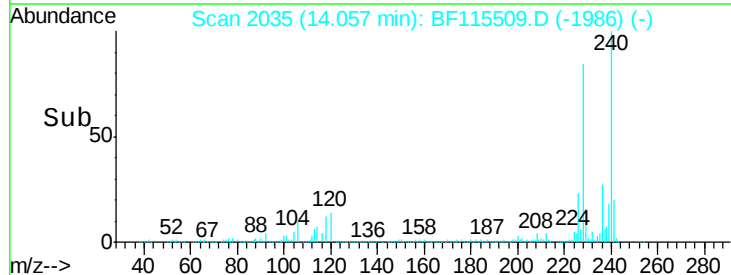
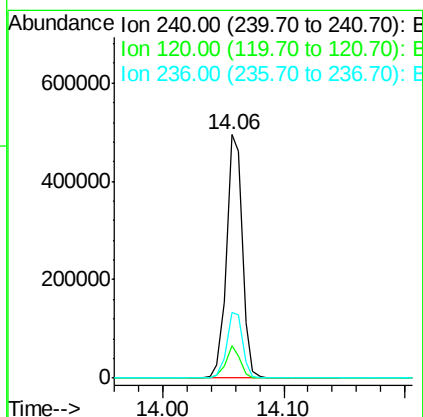
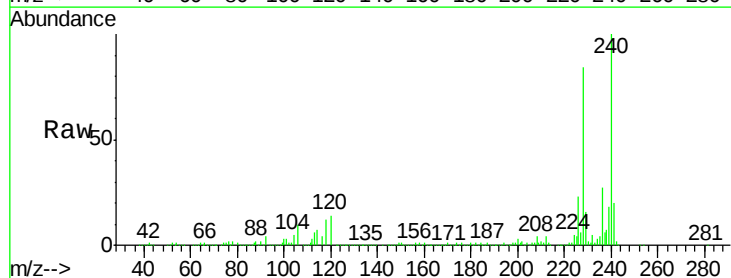
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

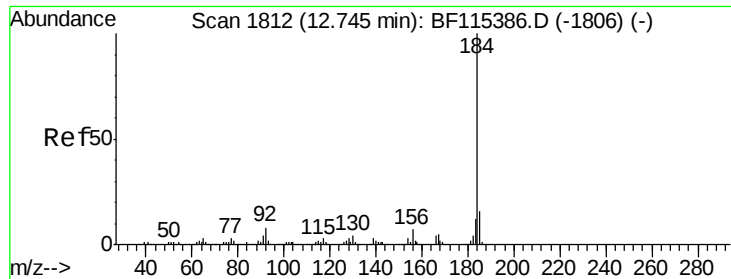
Tot Ion:202 Resp: 1393356
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.9
203 18.6 0.0 38.4



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

Tgt Ion:240 Resp: 450363
Ion Ratio Lower Upper
240 100
120 13.5 10.2 15.4
236 27.2 21.1 31.7





#77

Benzidine

Concen: 10.869 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

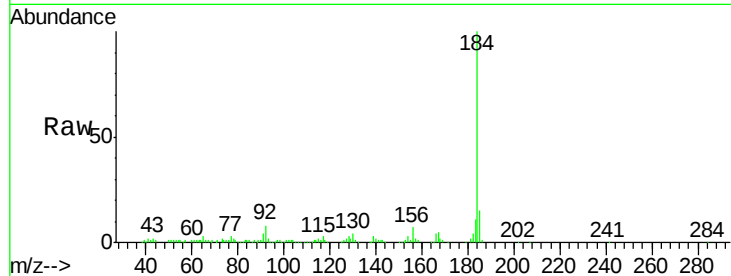
Tot Ion:184 Resp: 190882

Ion Ratio Lower Upper

184 100

185 14.8 13.0 19.6

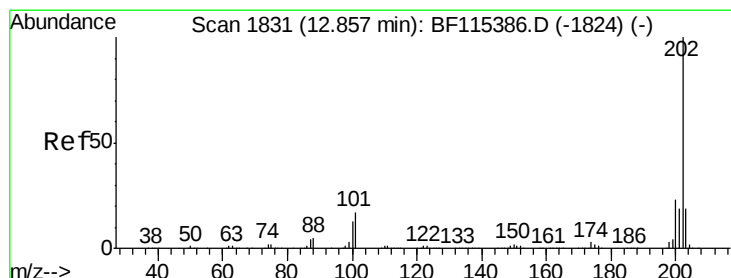
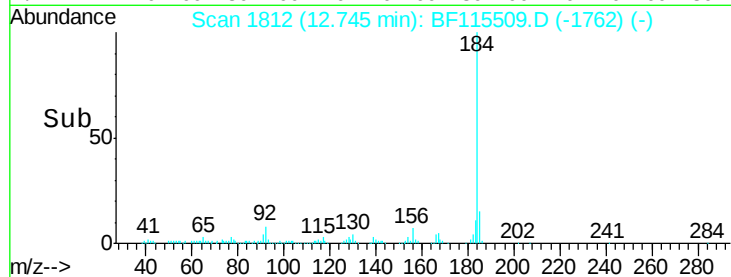
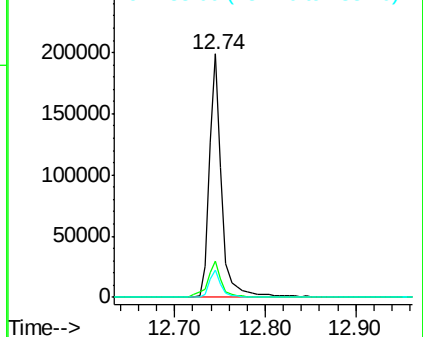
183 11.3 9.7 14.5



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: 40.399 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

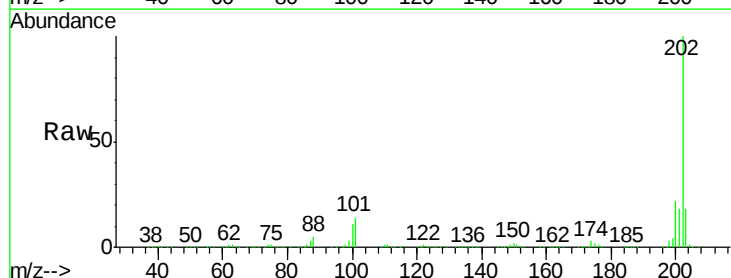
Tgt Ion:202 Resp: 1414864

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

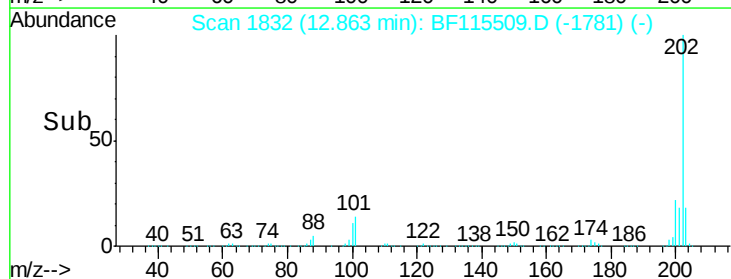
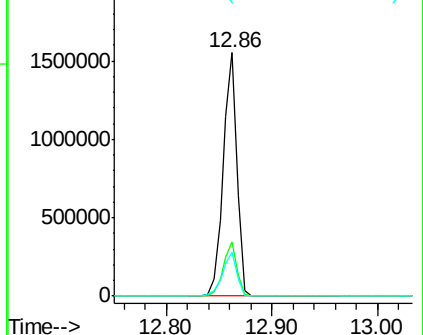
203 17.9 14.7 22.1

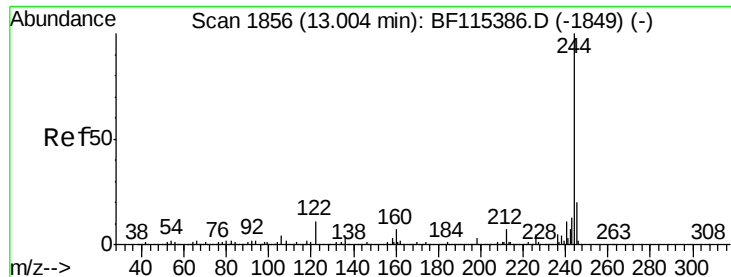


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 88.739 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

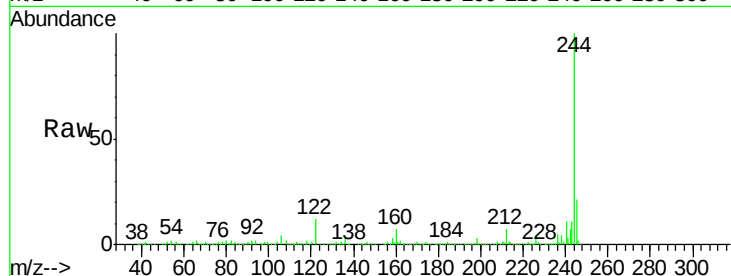
Tot Ion:244 Resp: 1951871

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

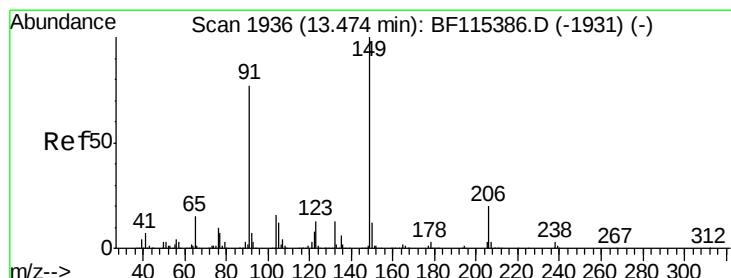
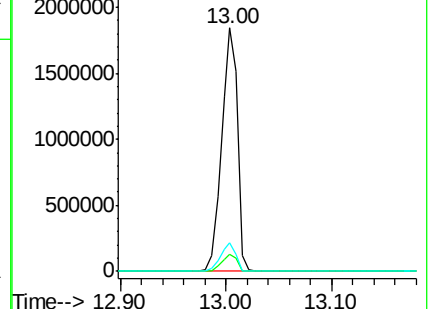
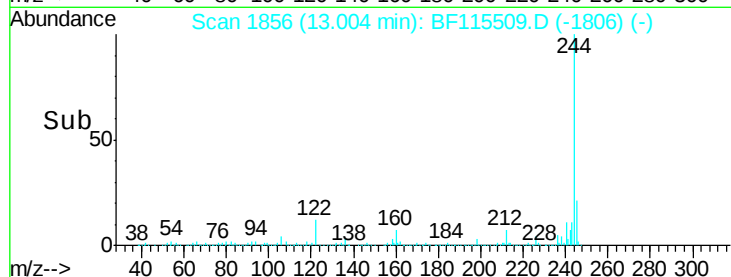
122 11.8 9.1 13.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.912 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

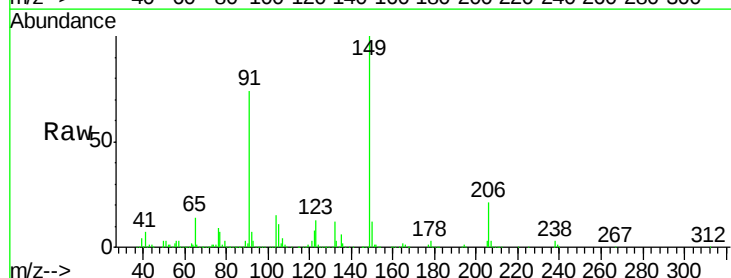
Tgt Ion:149 Resp: 626031

Ion Ratio Lower Upper

149 100

91 73.6 57.8 86.6

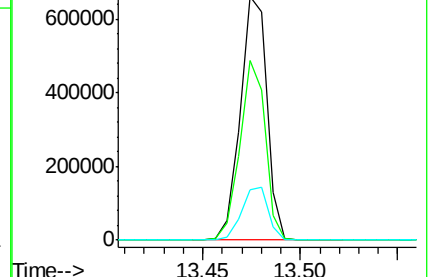
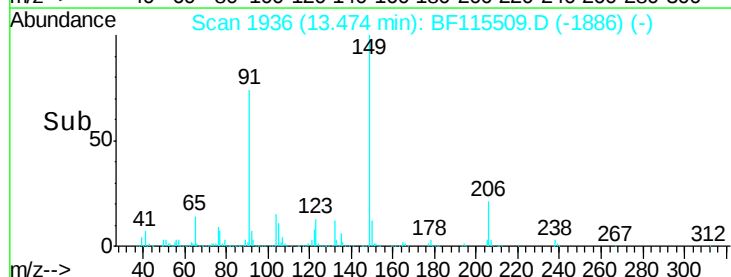
206 20.6 16.9 25.3

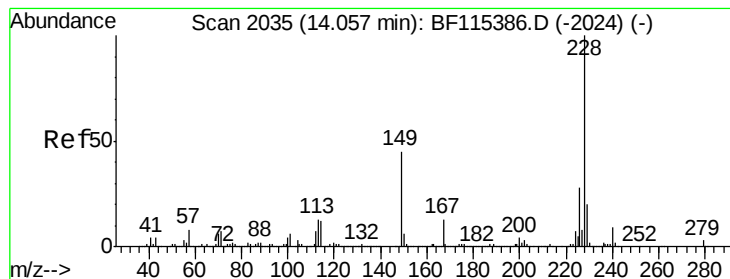


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 38.880 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

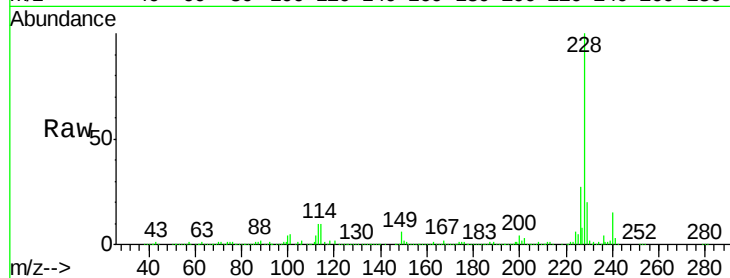
Tot Ion:228 Resp: 1121945

Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

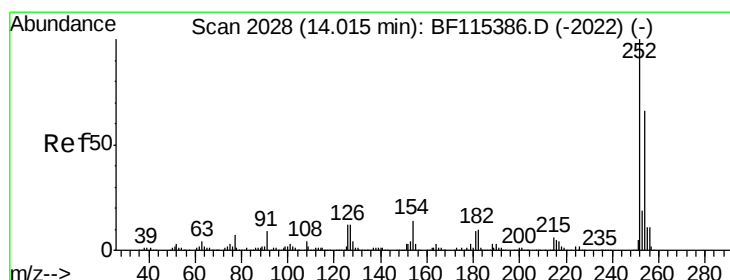
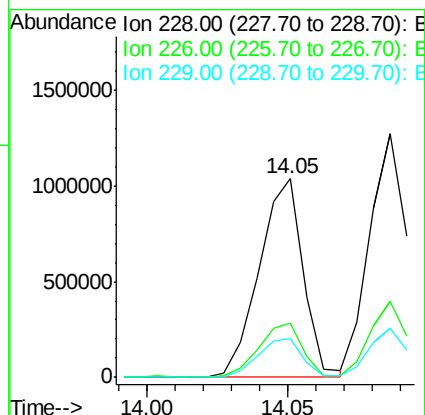
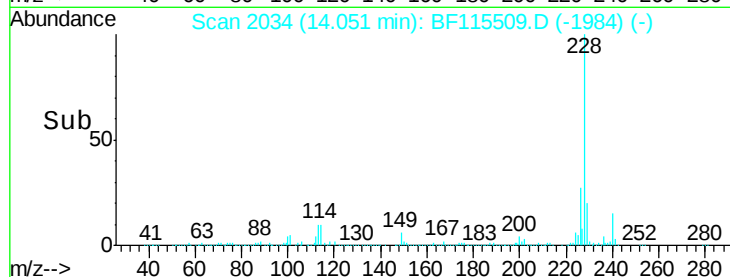
229 19.8 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 30.681 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

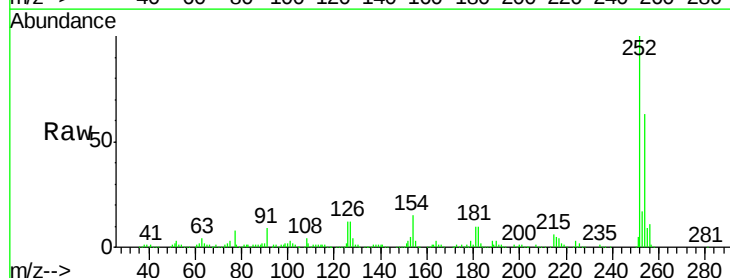
Tgt Ion:252 Resp: 321251

Ion Ratio Lower Upper

252 100

254 63.0 52.9 79.3

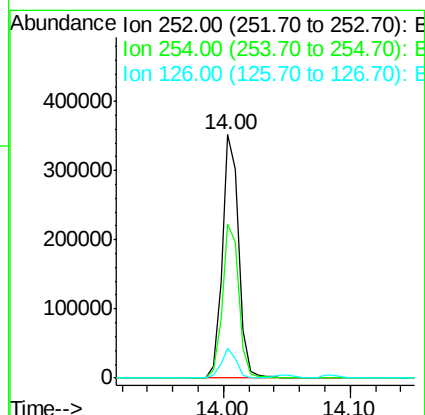
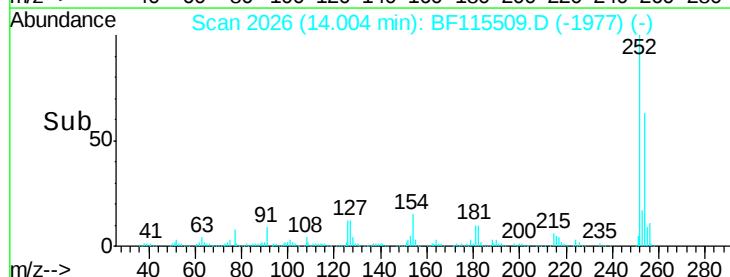
126 12.3 10.0 15.0

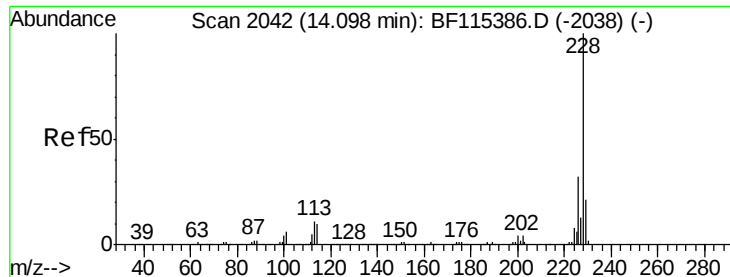


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

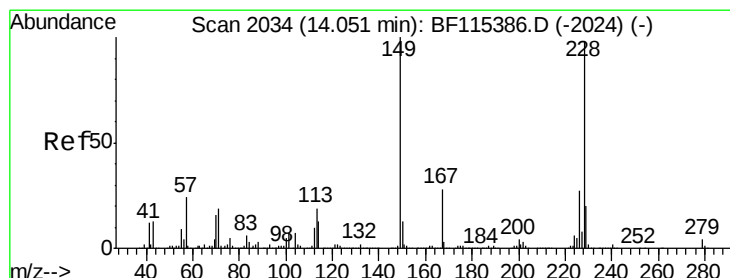
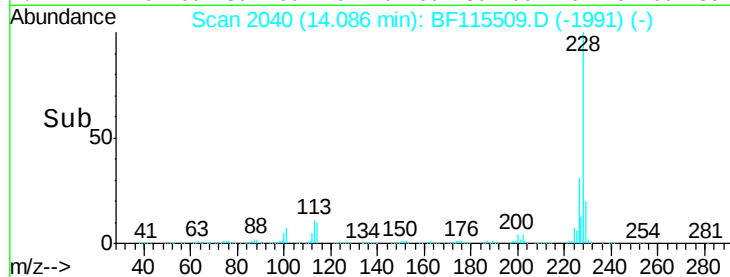
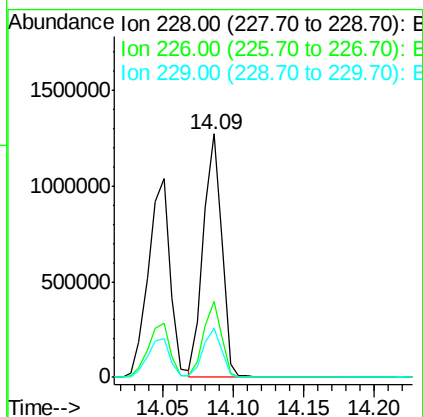
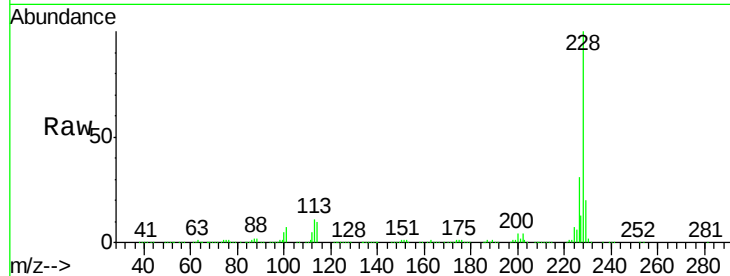




#83
Chrysene
Concen: 39.008 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

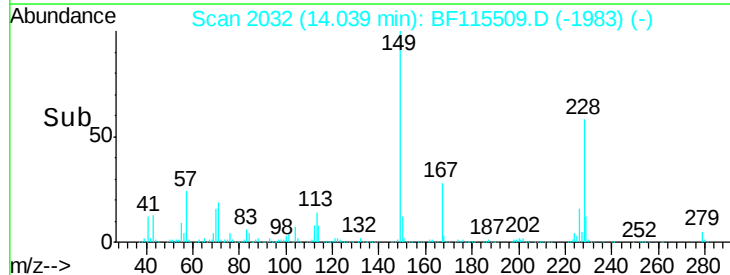
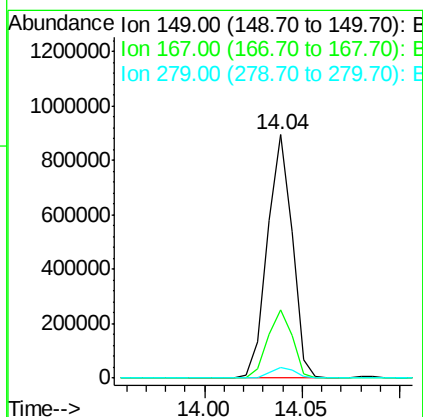
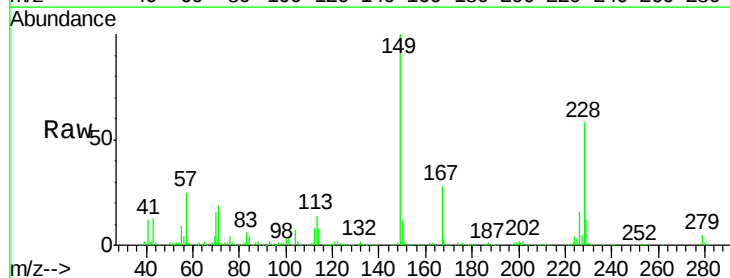
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

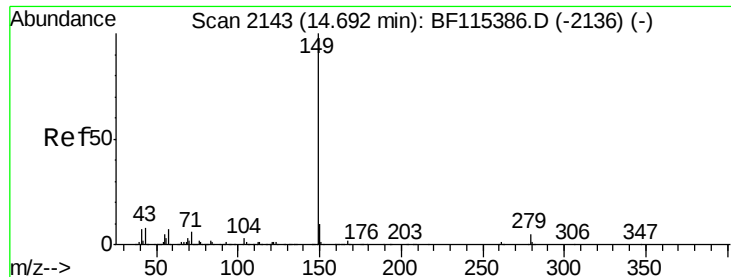
Tot Ion:228 Resp: 1156542
Ion Ratio Lower Upper
228 100
226 31.0 25.1 37.7
229 20.2 16.1 24.1



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

Tgt Ion:149 Resp: 788750
Ion Ratio Lower Upper
149 100
167 28.1 22.6 34.0
279 4.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 39.580 ng

RT: 14.65 min Scan# 2136

Delta R.T. -0.03 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PITMSD

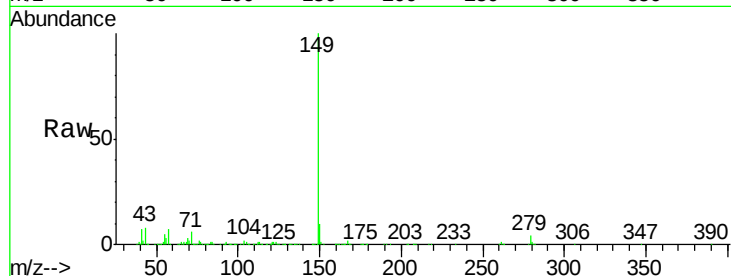
Tot Ion:149 Resp: 1335229

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

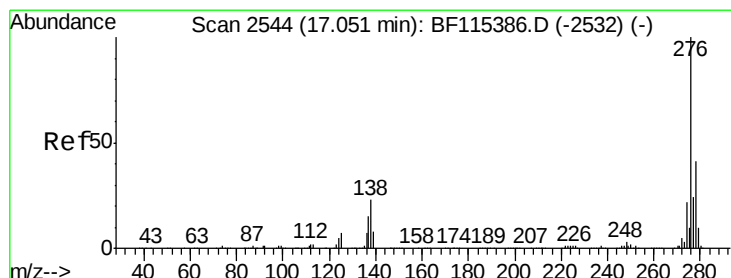
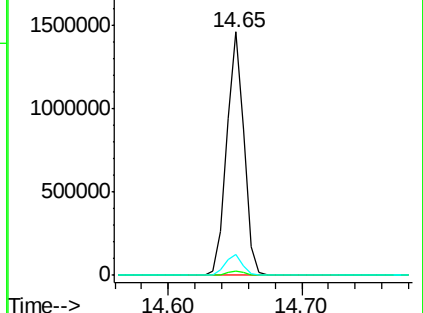
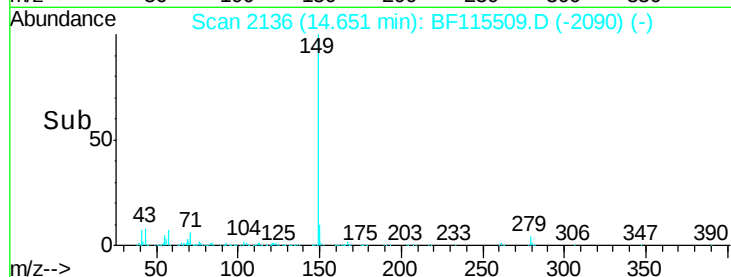
43 8.4 7.0 10.6



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: 53.621 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.03 min

Lab File: BF115509.D

Acq: 11 Jul 2019 22:01

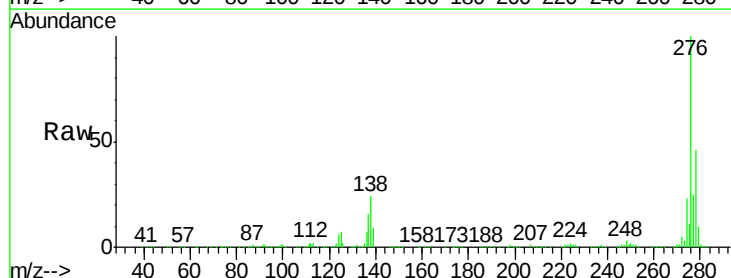
Tgt Ion:276 Resp: 1274673

Ion Ratio Lower Upper

276 100

138 25.5 20.6 31.0

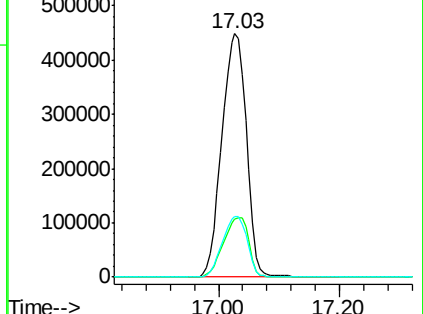
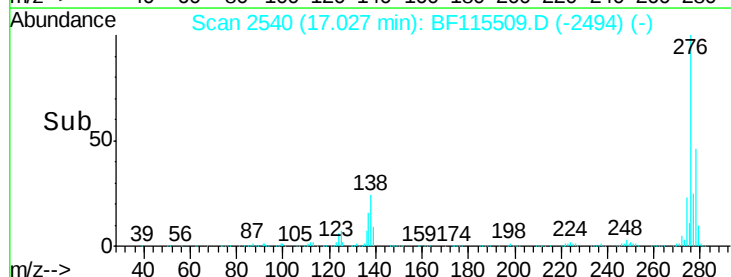
277 25.4 20.2 30.2

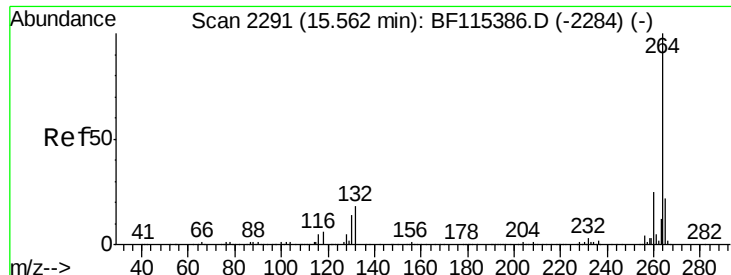


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

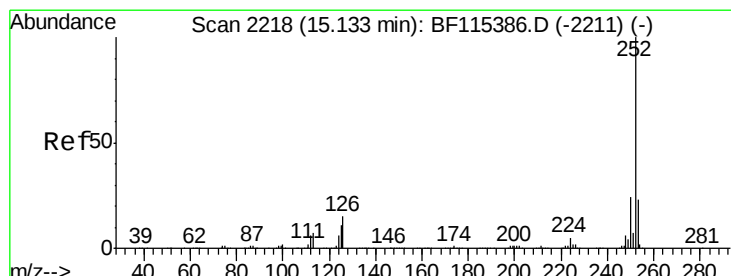
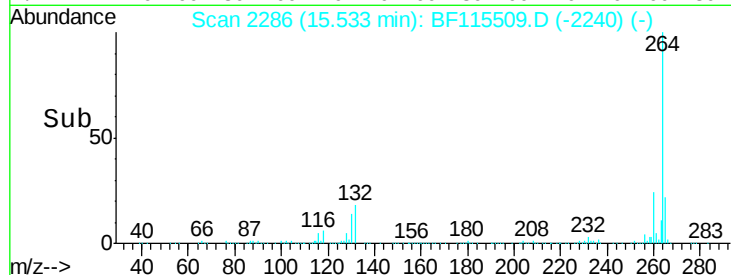
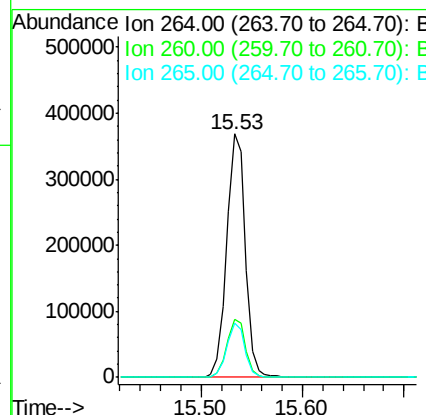
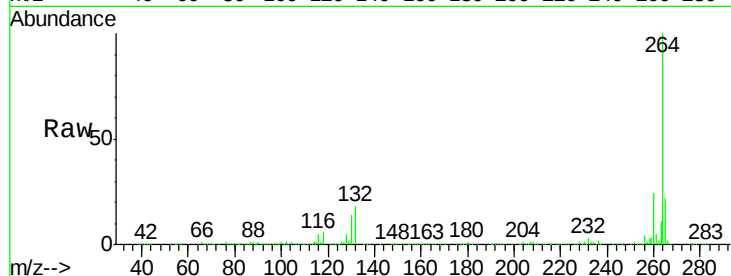




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

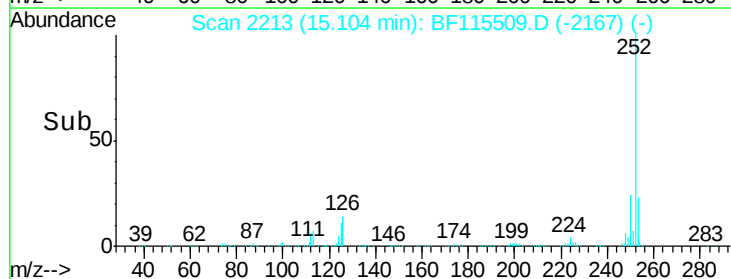
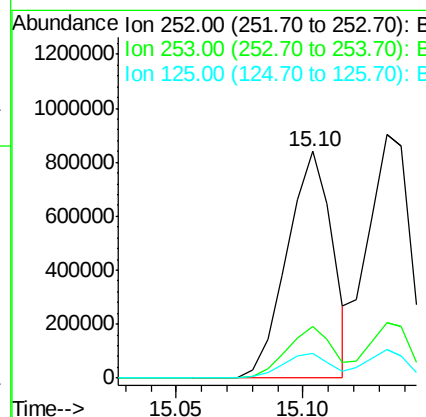
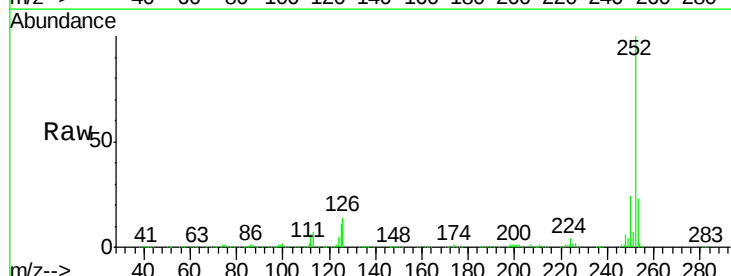
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

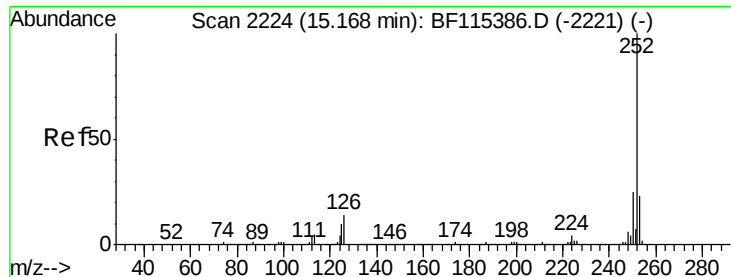
Tot Ion:264 Resp: 468224
Ion Ratio Lower Upper
264 100
260 24.1 20.1 30.1
265 22.1 17.8 26.6



#88
Benzo(b)fluoranthene
Concen: 34.472 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

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

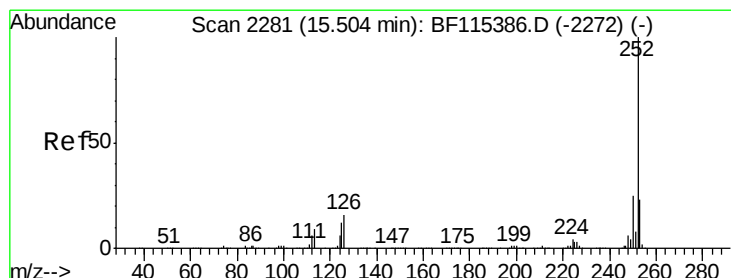
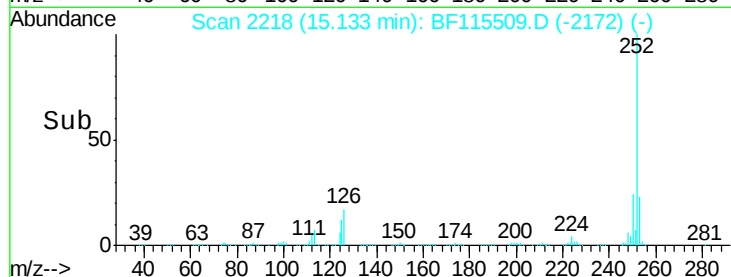
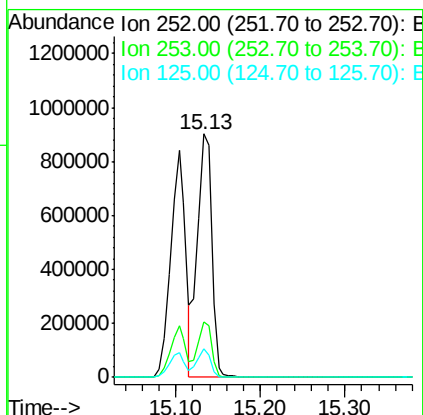
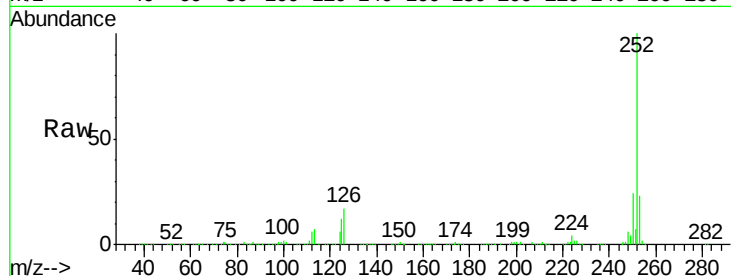




#89
Benzo(k)fluoranthene
Concen: 39.006 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

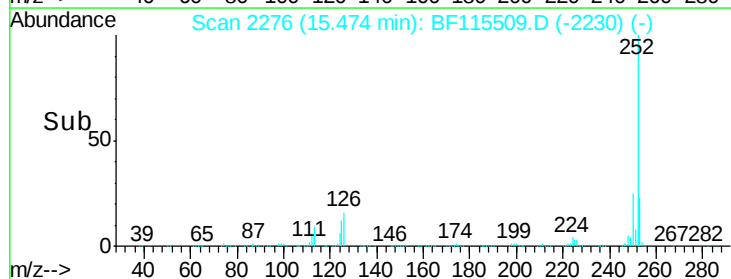
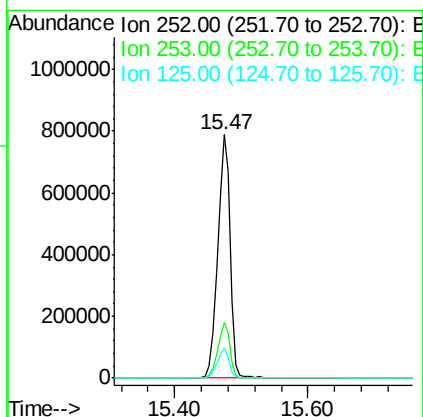
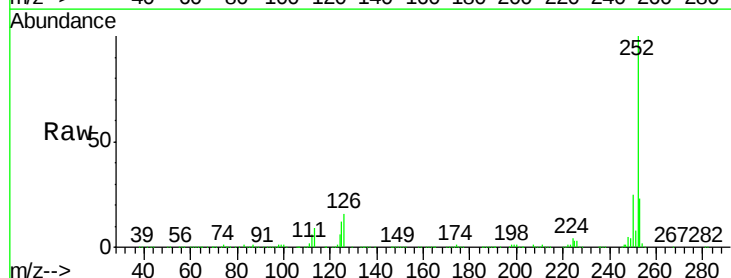
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

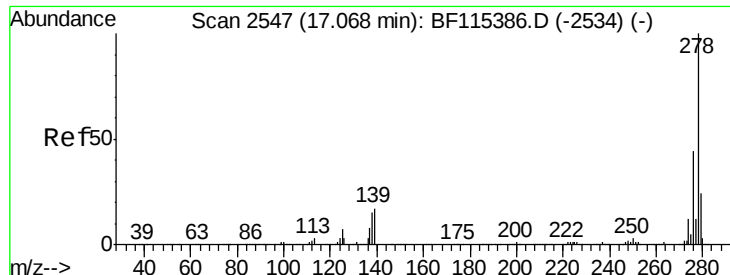
Tot Ion:252 Resp: 1057534
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.6 8.6 13.0



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

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

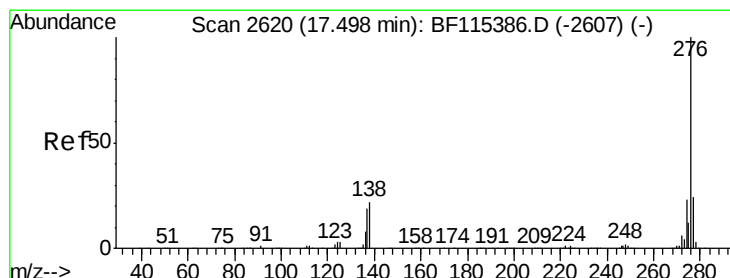
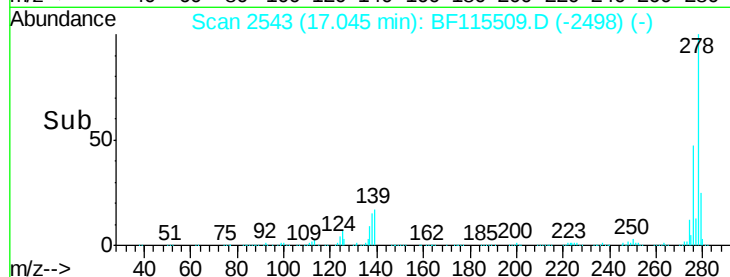
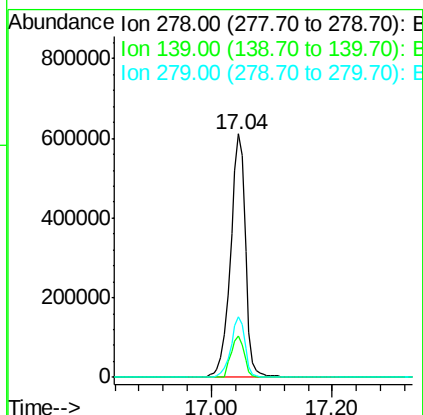
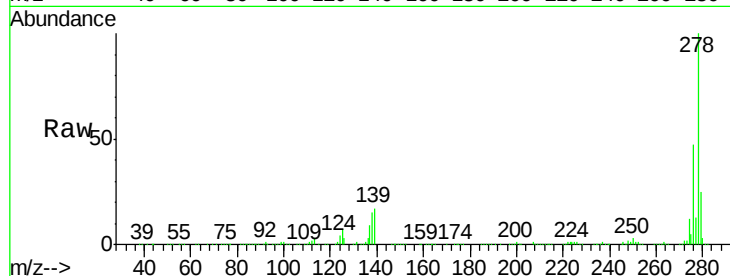




#91
Dibenzo(a,h)anthracene
Concen: 46.997 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.04 min
Lab File: BF115509.D
Acq: 11 Jul 2019 22:01

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PITMSD

Tot Ion:278 Resp: 1055966
Ion Ratio Lower Upper
278 100
139 16.9 13.0 19.6
279 24.8 19.4 29.2



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

Tgt Ion:276 Resp: 1083393
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 22.5 17.8 26.8

