

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103171.D
 Acq On : 22 Feb 2018 19:15
 Operator : SJ/JU
 Sample : J1396-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Quant Time: Feb 23 04:06:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	305556	40.00	ng	0.00
21) Naphthalene-d8	8.16	136	1225717	40.00	ng	0.00
38) Acenaphthene-d10	9.91	164	482749	40.00	ng	0.00
63) Phenanthrene-d10	11.40	188	657239	40.00	ng	0.00
75) Chrysene-d12	14.05	240	521808	40.00	ng	0.00
86) Perylene-d12	15.54	264	470373	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1205178	119.31	ng	0.02
7) Phenol-d6	6.51	99	1294781	104.75	ng	0.00
23) Nitrobenzene-d5	7.44	82	974166	90.78	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	236563	115.79	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1447561	91.94	ng	0.00
78) Terphenyl-d14	12.99	244	942549	86.84	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.39	79	135	0.009	ng	# 21
4) n-Nitrosodimethylamine	3.36	42	783	0.136	ng	# 1
6) Aniline	6.65	93	1747	0.098	ng	# 1
8) 2-Chlorophenol	6.66	128	647	0.062	ng	# 1
9) Benzaldehyde	6.65	77	26020	1.706	ng	81
10) Phenol	6.52	94	349	0.024	ng	# 1
11) bis(2-Chloroethyl)ether	6.65	93	1747	0.160	ng	# 1
12) 1,3-Dichlorobenzene	7.03	146	307	0.026	ng	# 1
13) 1,4-Dichlorobenzene	7.03	146	307	0.026	ng	# 1
14) 1,2-Dichlorobenzene	7.03	146	307	0.028	ng	# 1
15) Benzyl Alcohol	7.03	79	15629	1.678	ng	# 49
16) 2,2'-oxybis(1-Chloropropan	7.15	45	198	0.011	ng	70
18) Hexachloroethane	7.40	117	164	0.037	ng	# 1
22) Acetophenone	7.27	105	2258	0.158	ng	# 78
24) Nitrobenzene	7.44	77	2764	0.234	ng	# 34
27) 2,4-Dimethylphenol	7.94	122	118	0.014	ng	# 4
28) bis(2-Chloroethoxy)methane	8.16	93	143	0.012	ng	# 1
31) Naphthalene	8.17	128	11842	0.395	ng	97
33) 4-Chloroaniline	8.17	127	1868	0.144	ng	# 24
37) 2-Methylnaphthalene	8.97	142	2052	0.106	ng	96
45) 1,1'-Biphenyl	9.33	154	5222	0.258	ng	93
47) 2-Nitroaniline	9.23	65	2625	0.443	ng	# 1
48) Acenaphthylene	9.77	152	822	0.033	ng	# 60
51) Acenaphthene	9.95	154	310	0.022	ng	# 65
54) Dibenzofuran	10.12	168	637	0.032	ng	# 89
55) 4-Nitrophenol	10.12	139	273	0.085	ng	# 9
57) Fluorene	10.46	166	749	0.045	ng	# 78
59) Diethylphthalate	10.32	149	16649	0.899	ng	96
62) Azobenzene	10.61	77	108	0.006	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	7805	0.682	ng	# 37
70) Phenanthrene	11.42	178	2946	0.163	ng	# 92
71) Anthracene	11.47	178	603	0.033	ng	# 60
72) Carbazole	11.64	167	572	0.031	ng	# 59
73) Di-n-butylphthalate	11.95	149	3561	0.154	ng	# 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

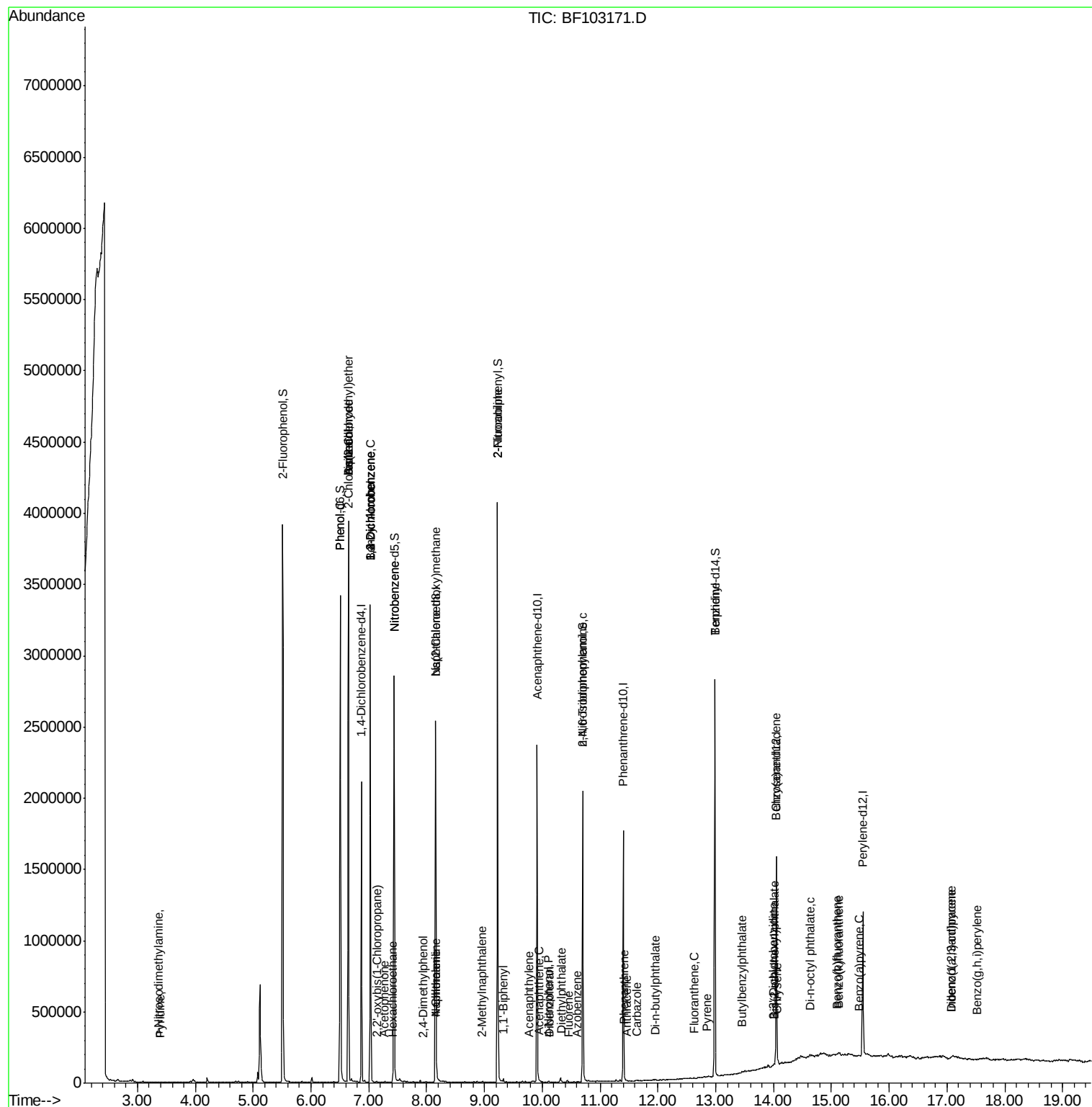
74) Fluoranthene	12.62	202	1121	0.062	nq	69
76) Benzidine	12.99	184	12236	1.254	nq	95
77) Pyrene	12.85	202	929	0.046	nq	# 53
79) Butylbenzylphthalate	13.46	149	1018	0.095	nq	# 85
80) Benzo(a)anthracene	14.04	228	4052	0.239	nq	# 75
81) 3,3'-Dichlorobenzidine	14.00	252	114	0.019	nq	# 27
82) Chrysene	14.07	228	3407	0.207	nq	# 80
83) Bis(2-ethylhexyl)phthalate	14.01	149	3491	0.241	nq	# 82
84) Di-n-octyl phthalate	14.63	149	5541	0.236	nq	# 76
85) Indeno(1,2,3-cd)pyrene	17.07	276	6647	0.511	nq	# 68
87) Benzo(b)fluoranthene	15.10	252	5931	0.384	nq	# 50
88) Benzo(k)fluoranthene	15.13	252	7098	0.487	nq	# 78
89) Benzo(a)pyrene	15.47	252	5691	0.412	nq	# 51
90) Dibenzo(a,h)anthracene	17.07	278	4221	0.396	nq	# 36
91) Benzo(a,h,i)perylene	17.52	276	5312	0.509	nq	# 81

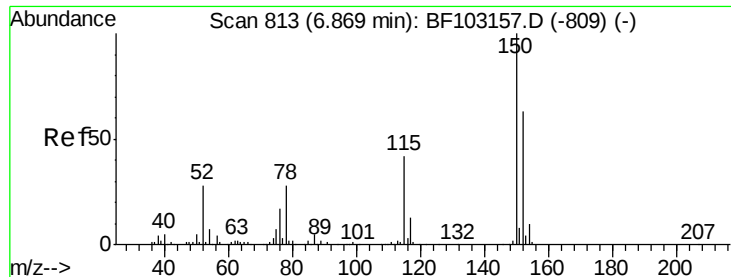
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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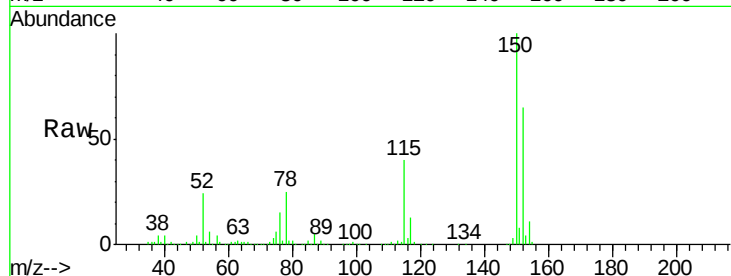


#1

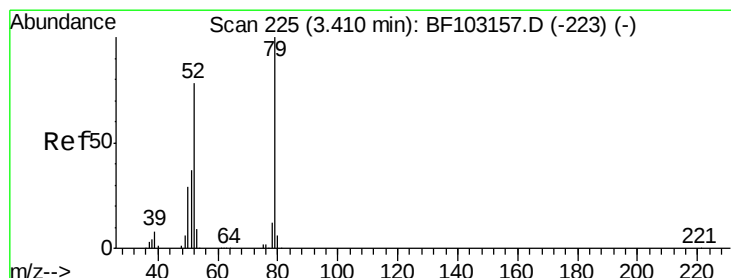
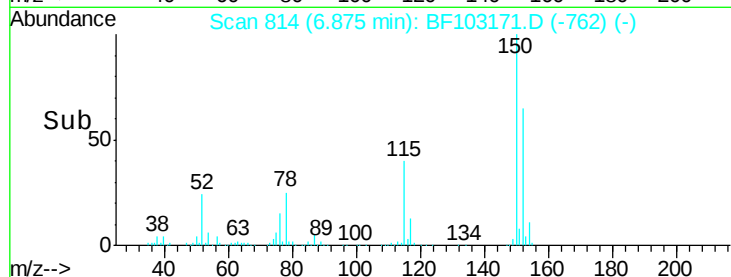
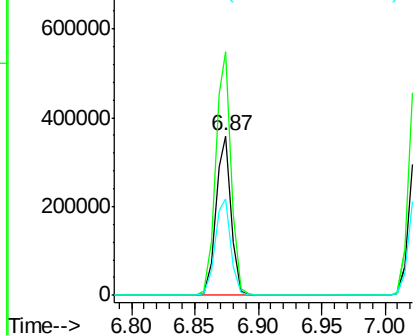
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion:152 Resp: 305556
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 60.7 50.1 75.1



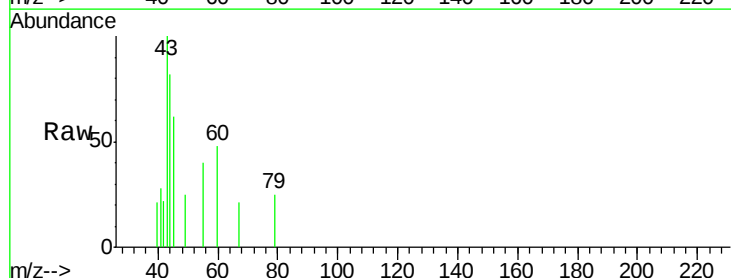
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



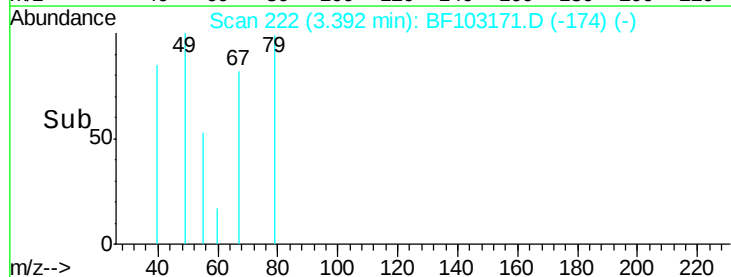
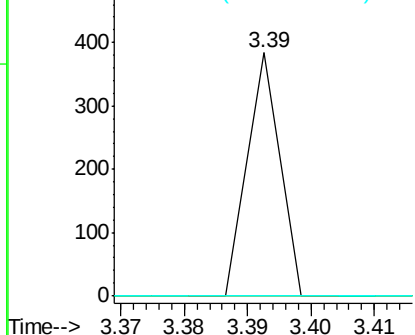
#3

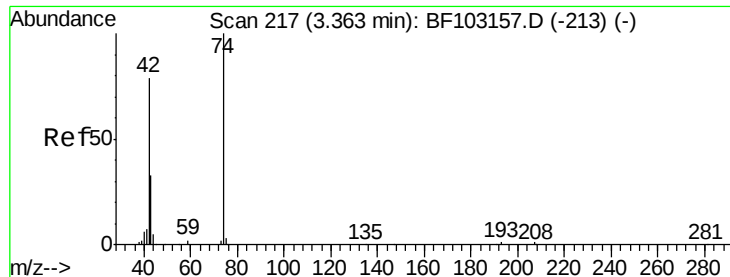
Pyridine
Concen: 0.009 ng
RT: 3.39 min Scan# 222
Delta R.T. -0.02 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion: 79 Resp: 135
Ion Ratio Lower Upper
79 100
52 0.0 59.8 89.6#
51 0.0 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



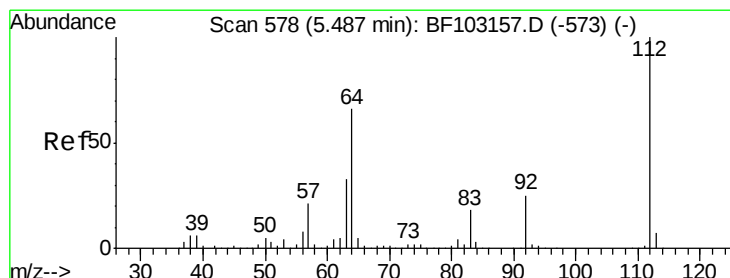
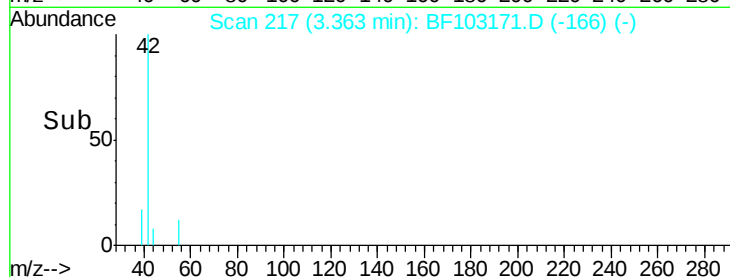
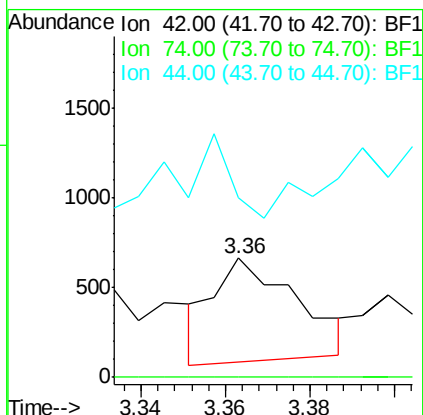
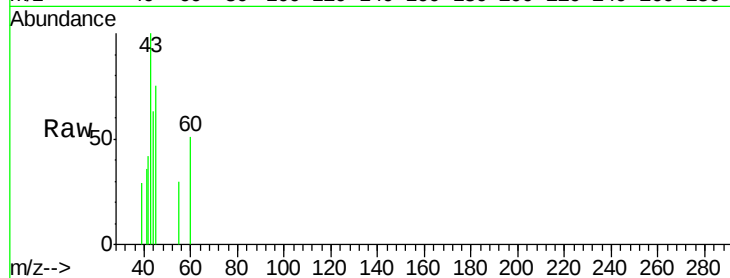


#4

n-Nitrosodimethylamine
 Concen: 0.136 ng
 RT: 3.36 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

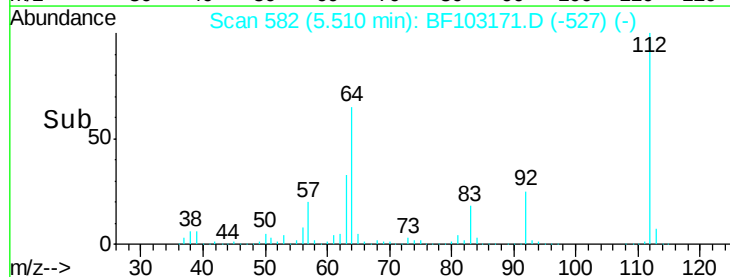
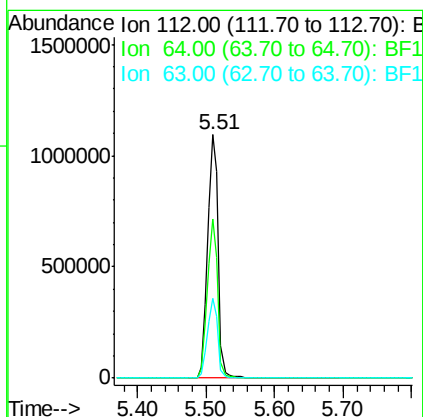
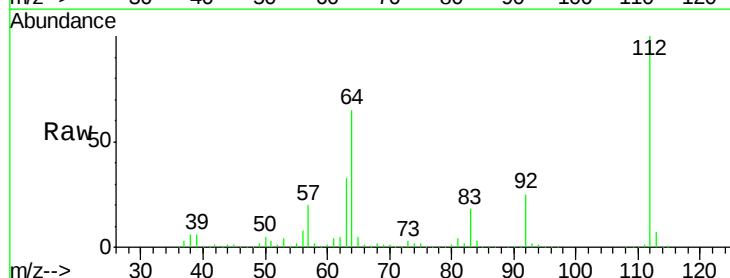
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	104.9	157.3#
44	150.6	6.9	10.3#

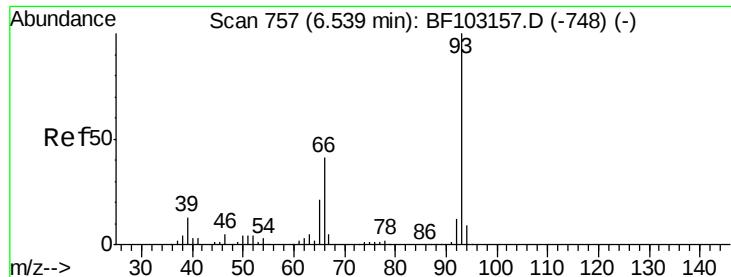


#5

2-Fluorophenol
 Concen: 119.307 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	33.0	23.7	35.5





#6

Aniline

Concen: 0.098 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.11 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

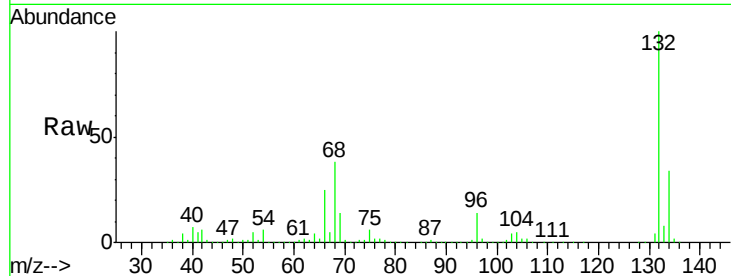
Tot Ion: 93 Resp: 1747

Ion Ratio Lower Upper

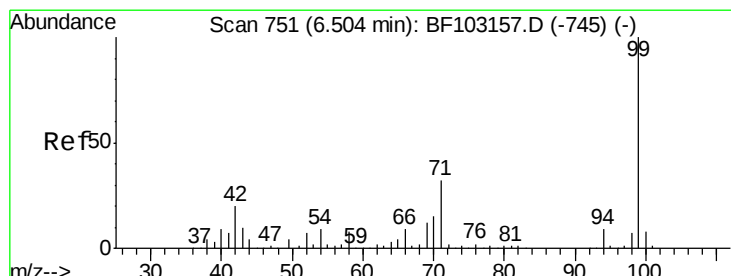
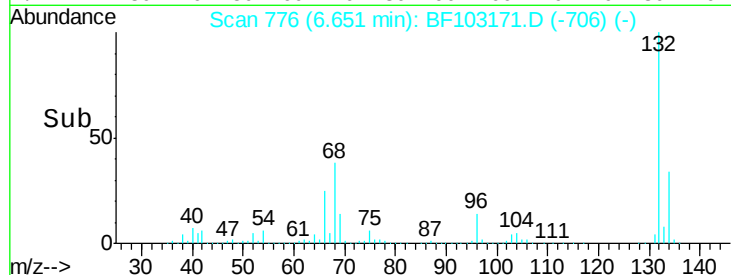
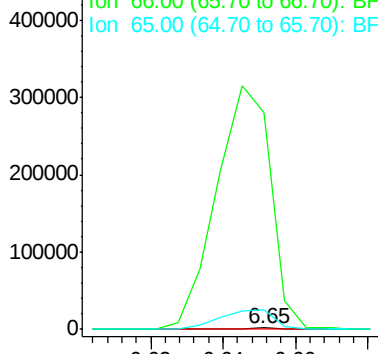
93 100

66 14503.6 32.2 48.2#

65 1280.2 16.4 24.6#



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: 104.750 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

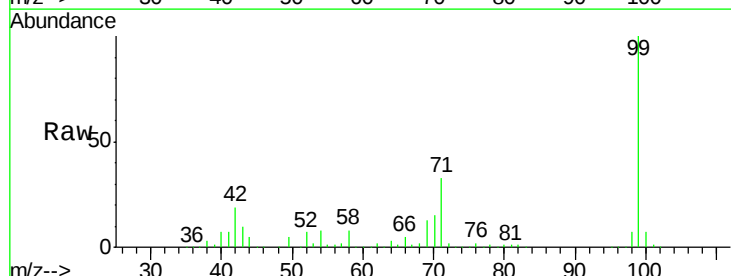
Tgt Ion: 99 Resp: 1294781

Ion Ratio Lower Upper

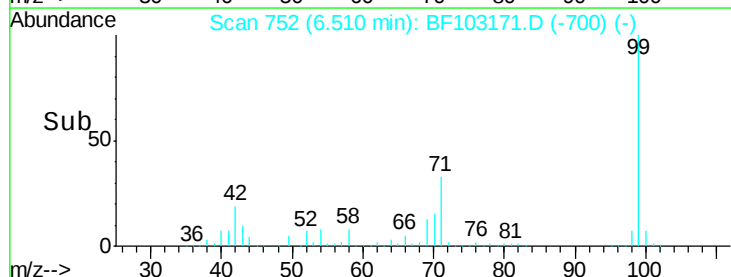
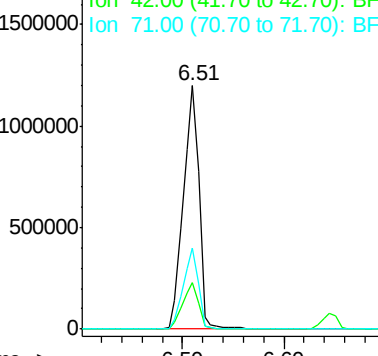
99 100

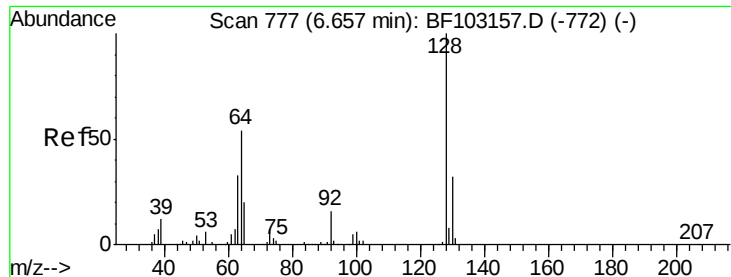
42 19.2 14.5 21.7

71 33.2 25.4 38.0



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: 0.062 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

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ClientSampleId :

HD-01-022118

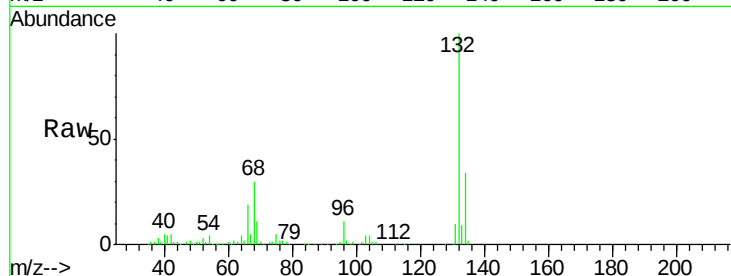
Tot Ion:128 Resp: 647

Ion Ratio Lower Upper

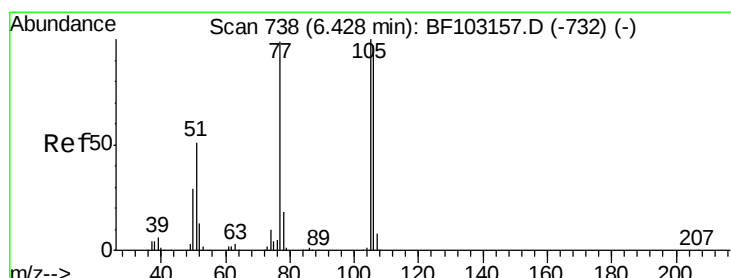
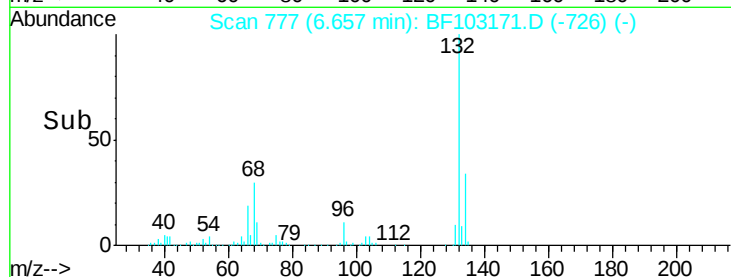
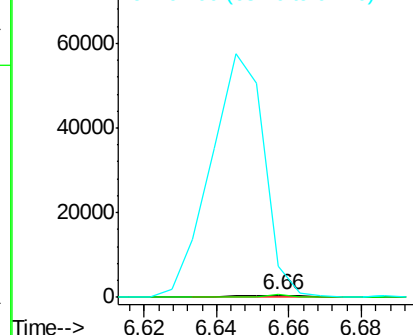
128 100

130 137.2 13.0 53.0#

64 1307.8 29.4 69.4#



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: 1.706 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.22 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

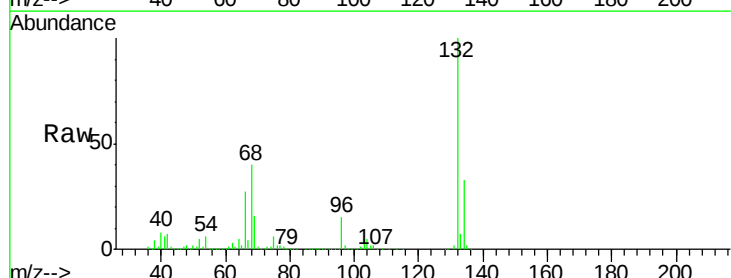
Tgt Ion: 77 Resp: 26020

Ion Ratio Lower Upper

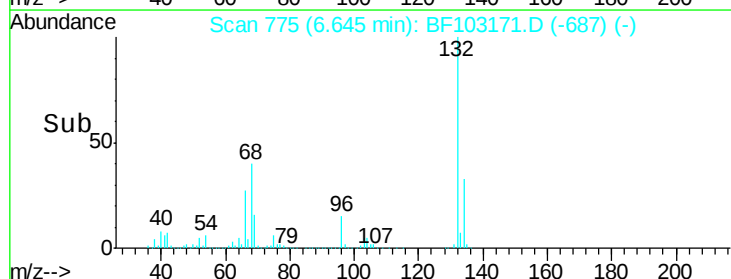
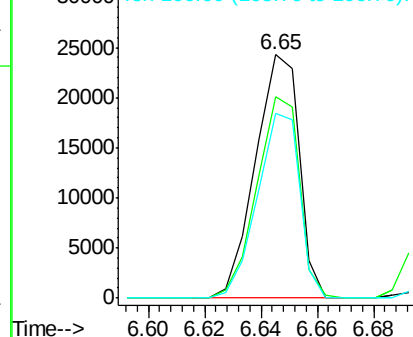
77 100

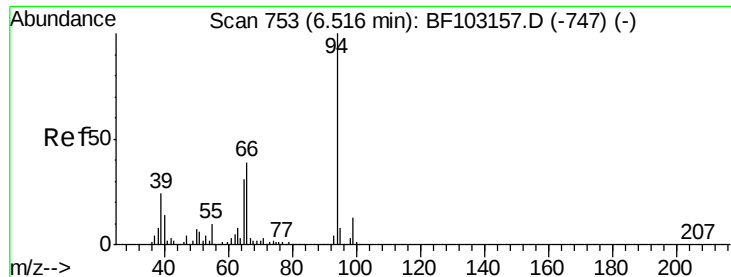
105 82.9 81.1 121.1

106 75.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

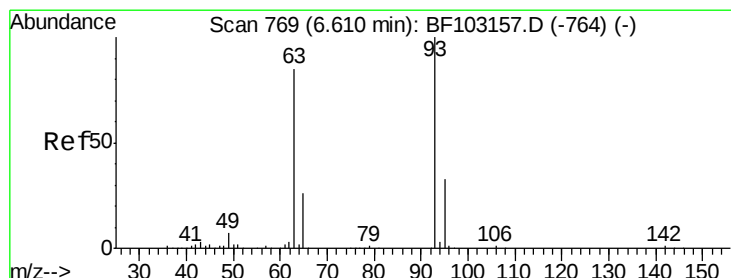
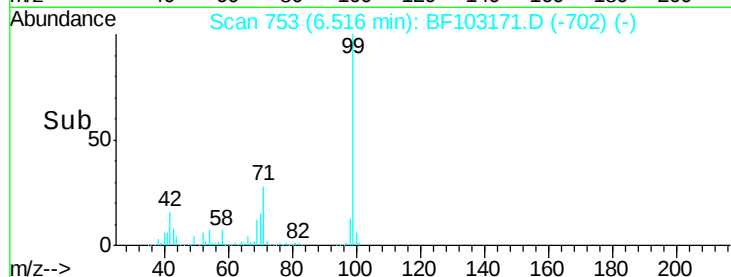
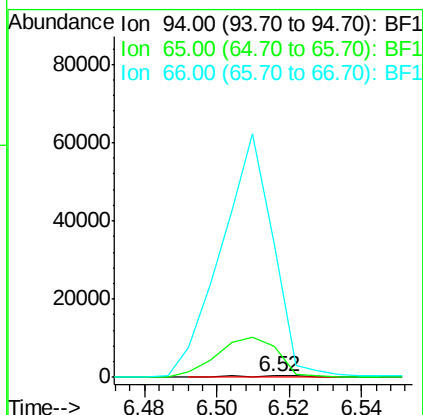
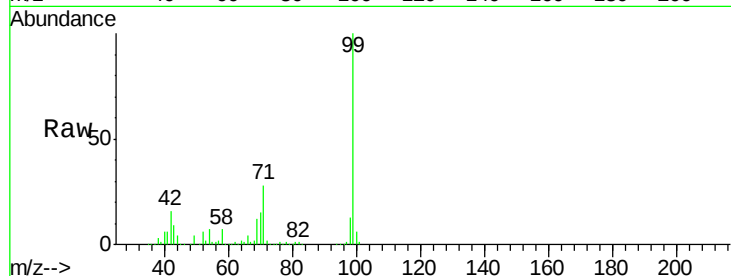




#10
Phenol
Concen: 0.024 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

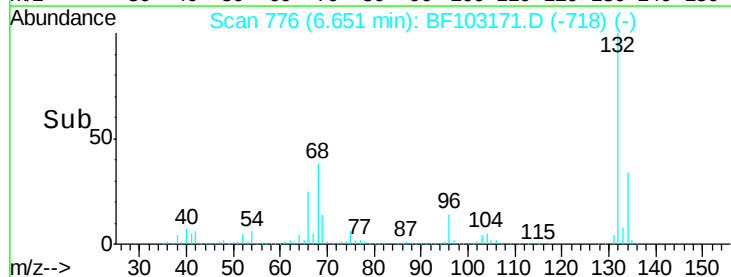
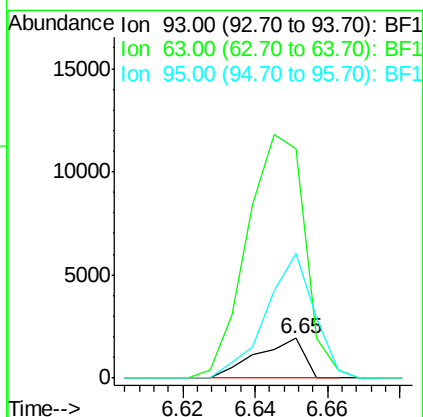
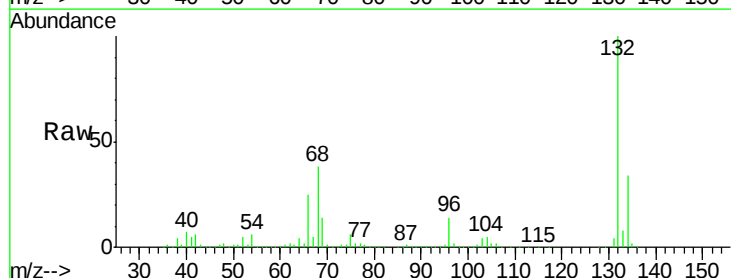
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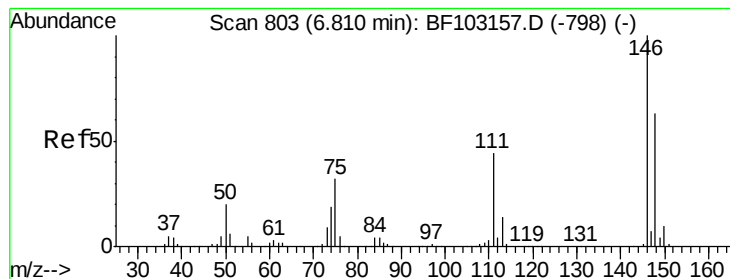
Tot Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
65 2315.9 7.9 47.9#
66 10016.5 16.2 56.2#



#11
bis(2-Chloroethyl)ether
Concen: 0.160 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.04 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion: 93 Resp: 1747
Ion Ratio Lower Upper
93 100
63 577.0 58.6 98.6#
95 314.0 11.8 51.8#





#12

1,3-Dichlorobenzene

Concen: 0.026 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.22 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

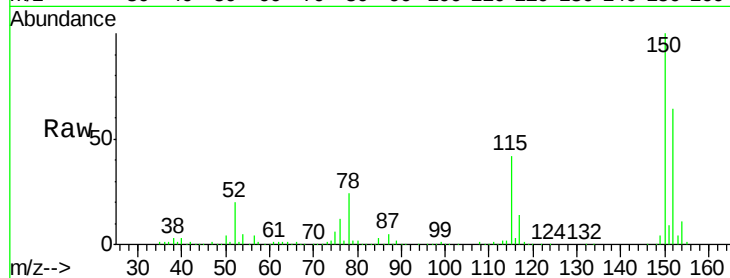
Tot Ion:146 Resp: 307

Ion Ratio Lower Upper

146 100

148 545.6 51.8 77.8#

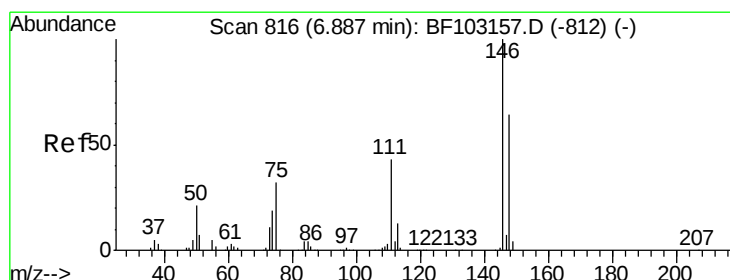
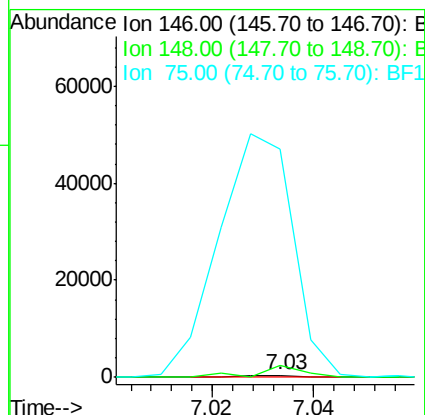
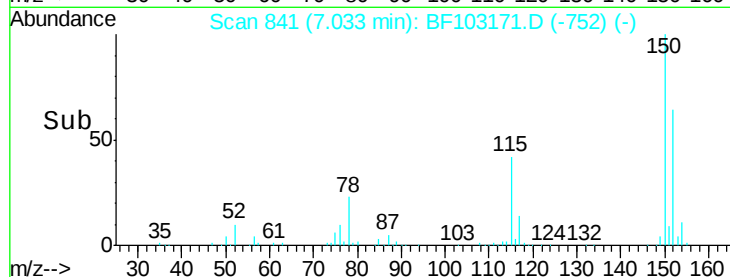
75 10629.3 24.2 36.4#



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: 0.026 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.15 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

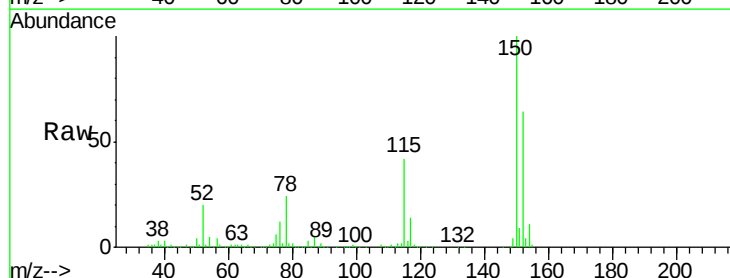
Tgt Ion:146 Resp: 307

Ion Ratio Lower Upper

146 100

148 545.6 50.8 76.2#

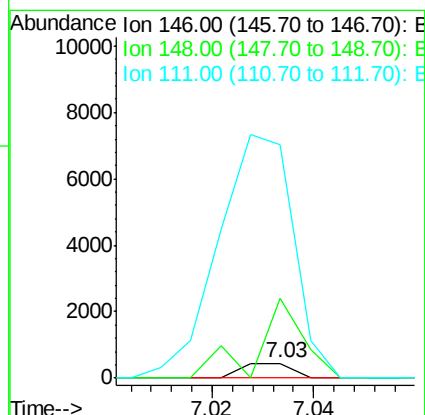
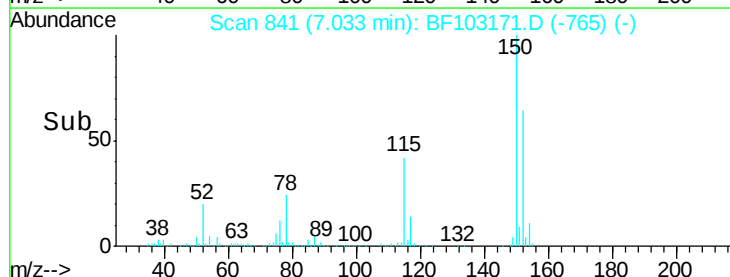
111 1588.3 34.2 51.2#

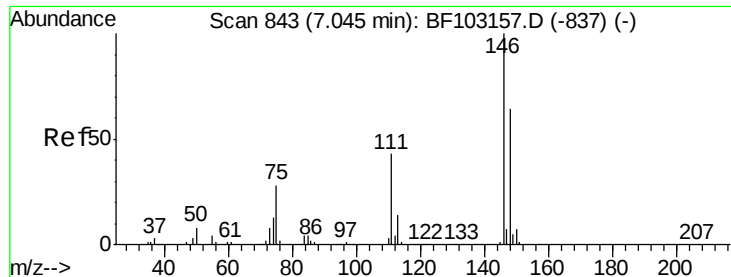


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.028 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

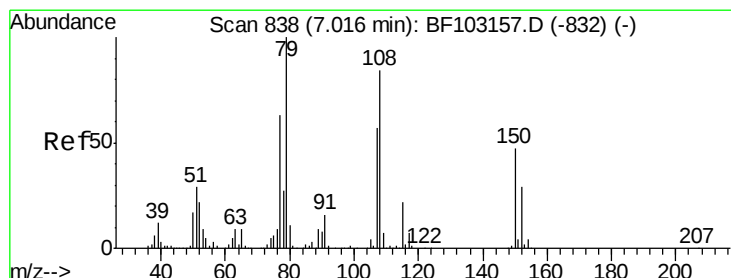
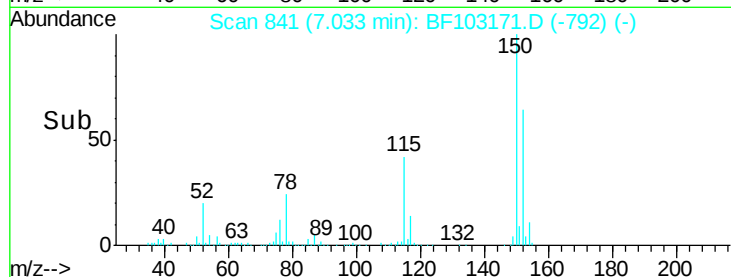
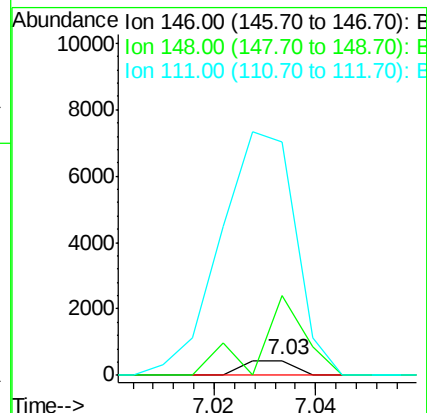
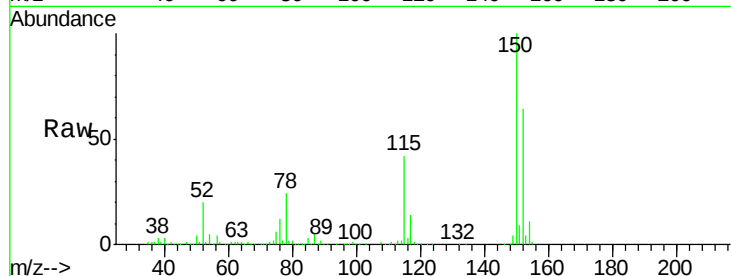
Tot Ion:146 Resp: 307

Ion Ratio Lower Upper

146 100

148 545.6 50.6 75.8#

111 1588.3 36.0 54.0#



#15

Benzyl Alcohol

Concen: 1.678 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

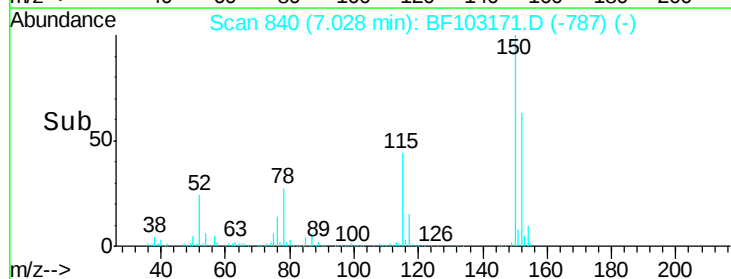
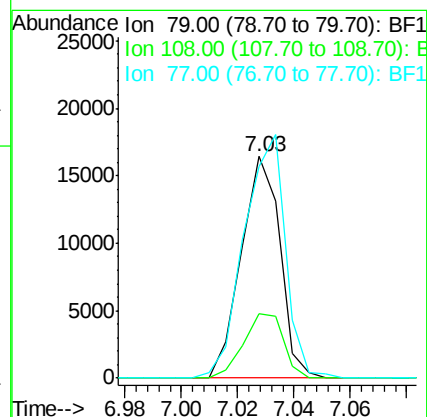
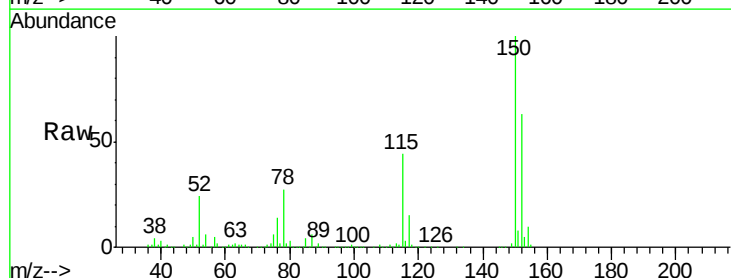
Tgt Ion: 79 Resp: 15629

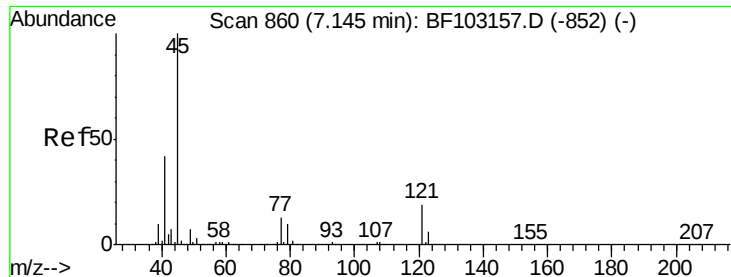
Ion Ratio Lower Upper

79 100

108 29.3 65.1 97.7#

77 95.8 50.6 75.8#

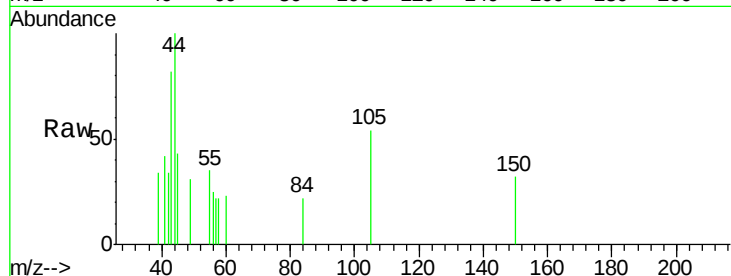




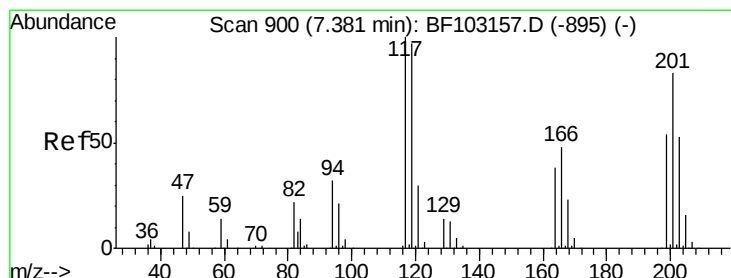
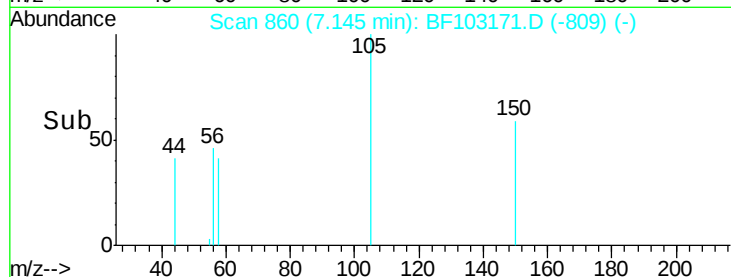
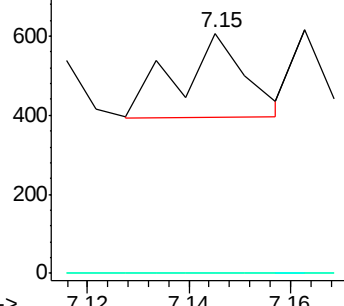
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.011 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion: 45 Resp: 198
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6

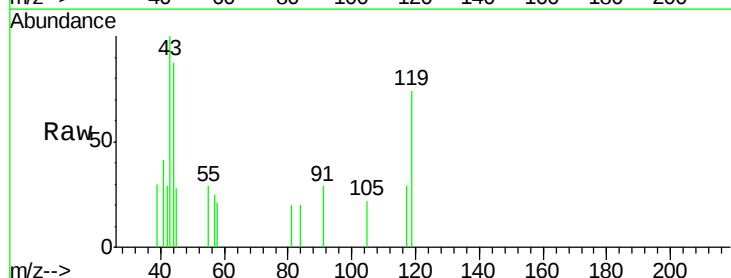


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

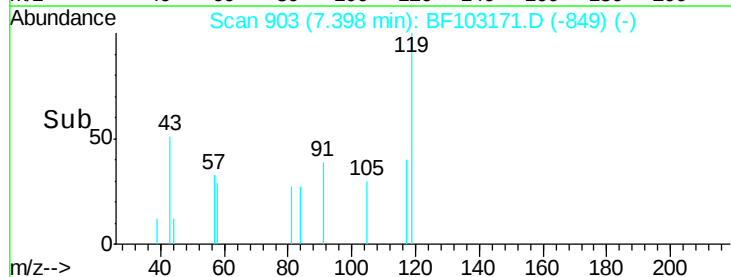
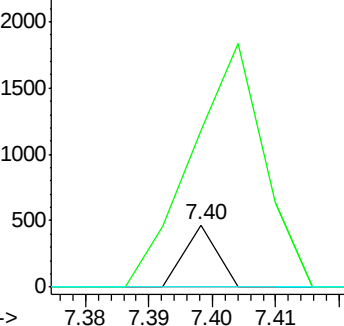


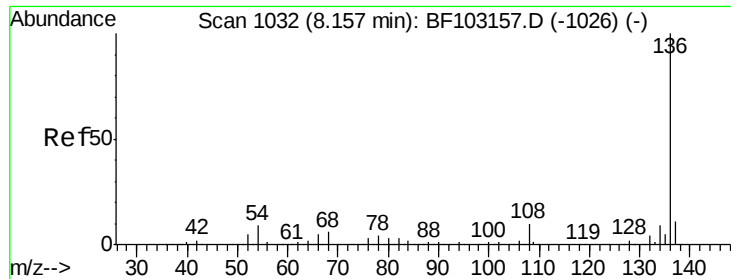
#18
Hexachloroethane
Concen: 0.037 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.02 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion: 117 Resp: 164
Ion Ratio Lower Upper
117 100
119 252.8 75.8 113.8#
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E



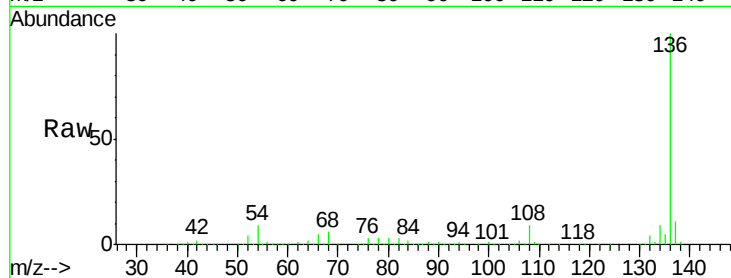


#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

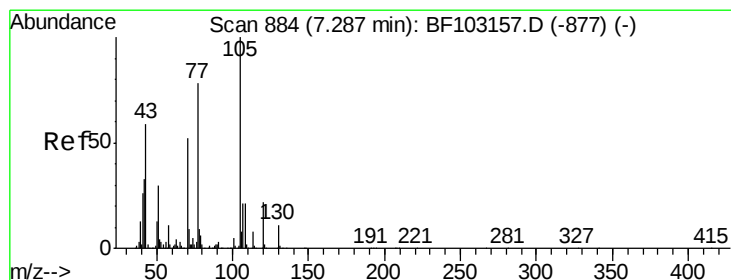
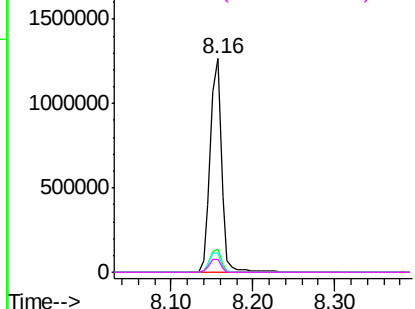
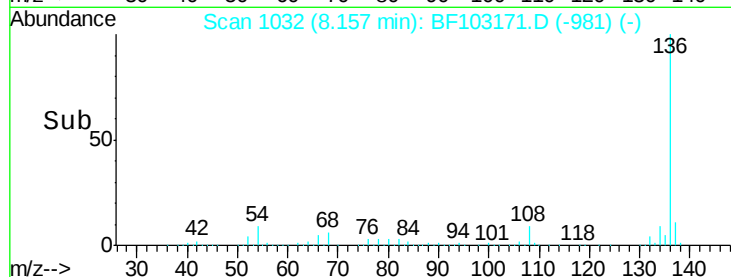
Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion:136 Resp: 1225717

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.2	6.6	9.8
68	6.1	5.0	7.4



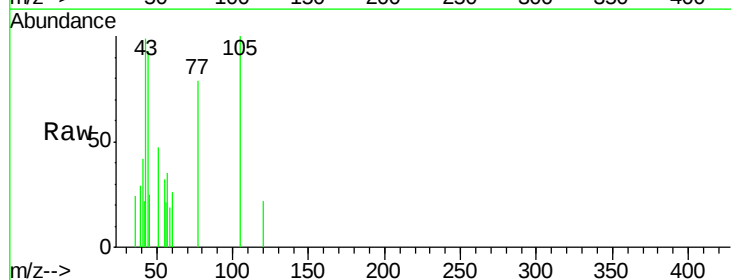
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



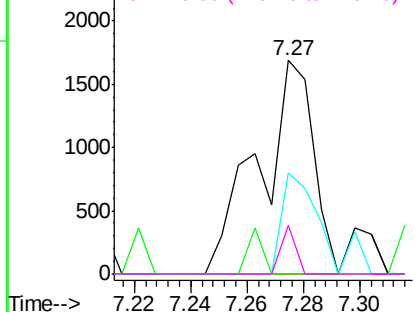
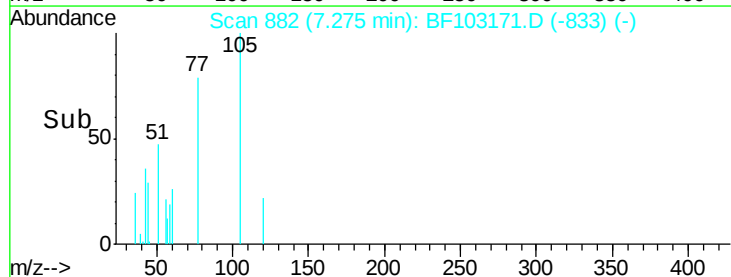
#22
Acetophenone
Concen: 0.158 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

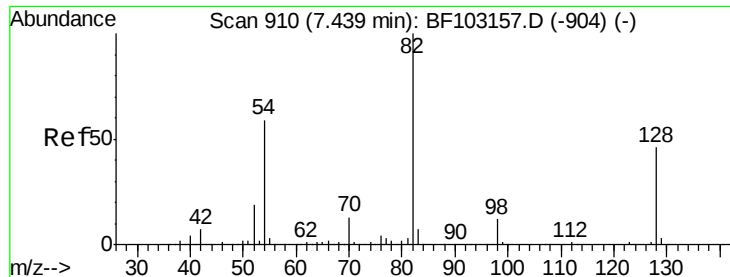
Tgt Ion:105 Resp: 2258

Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	47.2	22.3	33.5#
120	22.5	16.9	25.3



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

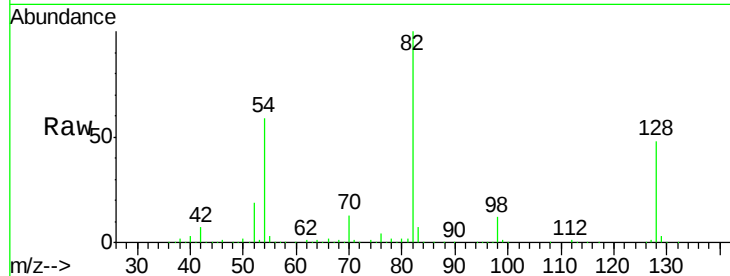




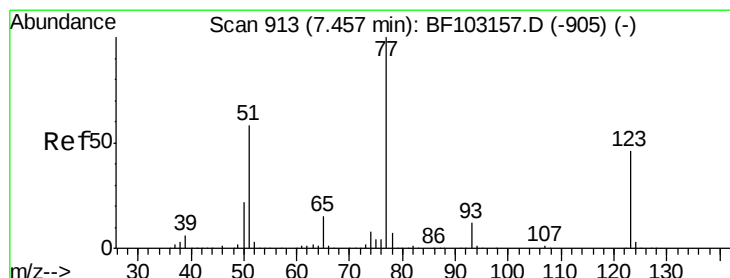
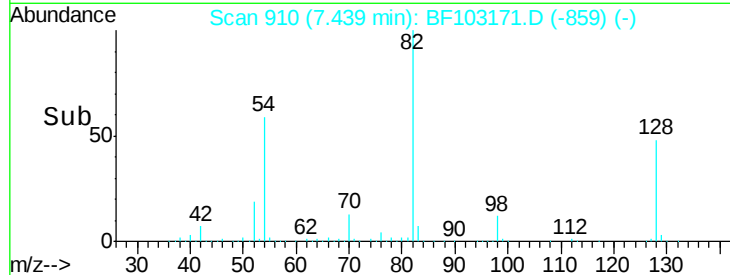
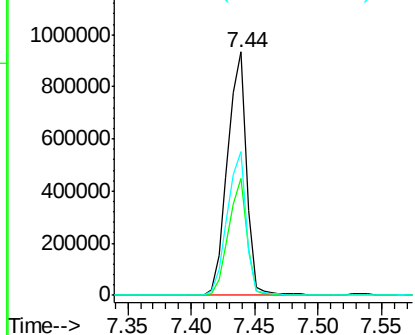
#23
Nitrobenzene-d5
Concen: 90.776 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion: 82 Resp: 974166
Ion Ratio Lower Upper
82 100
128 48.1 36.1 54.1
54 59.1 41.4 62.2

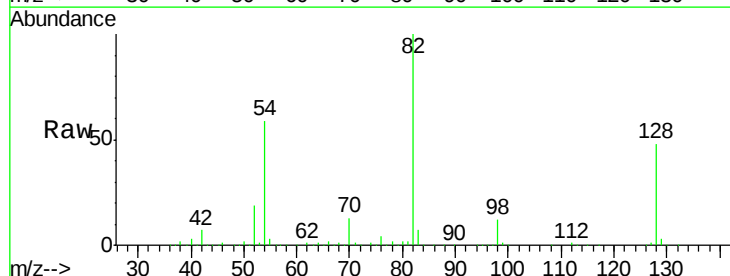


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

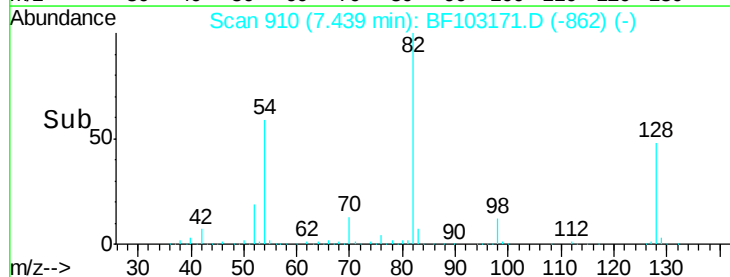
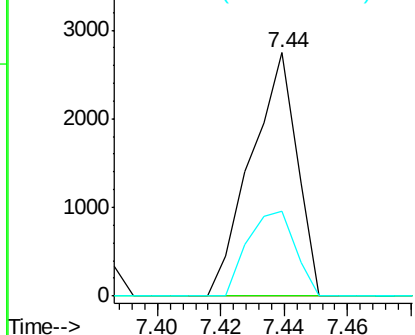


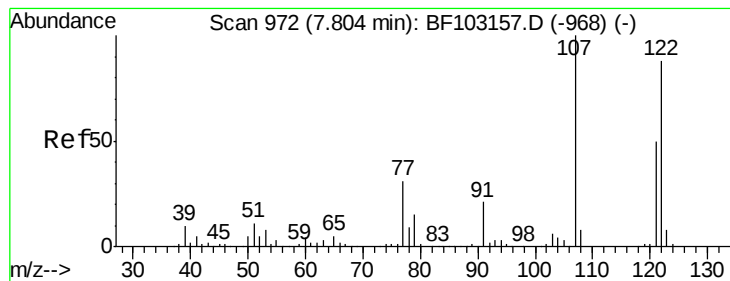
#24
Nitrobenzene
Concen: 0.234 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion: 77 Resp: 2764
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 34.6 11.0 16.4#



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





#27

2,4-Dimethylphenol

Concen: 0.014 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.14 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

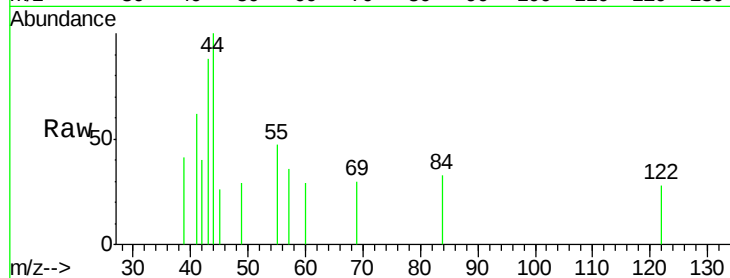
Tot Ion:122 Resp: 118

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

121 0.0 47.2 70.8#



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

7.94

400

300

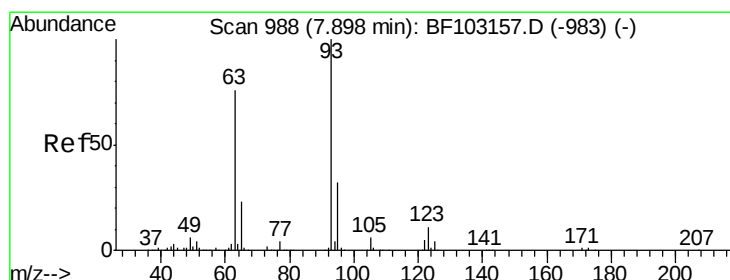
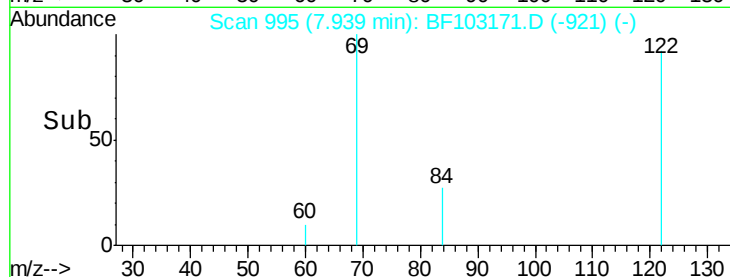
200

100

0

7.92 7.93 7.94 7.95

Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 0.012 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.26 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

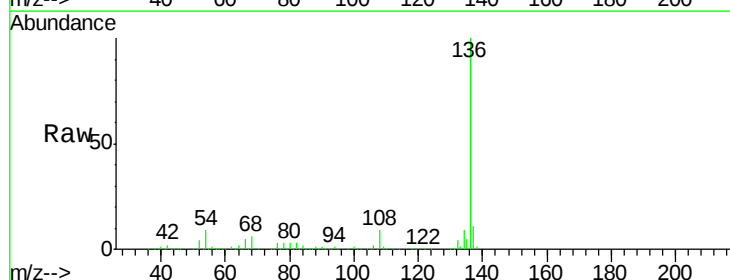
Tgt Ion: 93 Resp: 143

Ion Ratio Lower Upper

93 100

95 201.2 26.3 39.5#

123 0.0 9.8 14.6#



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

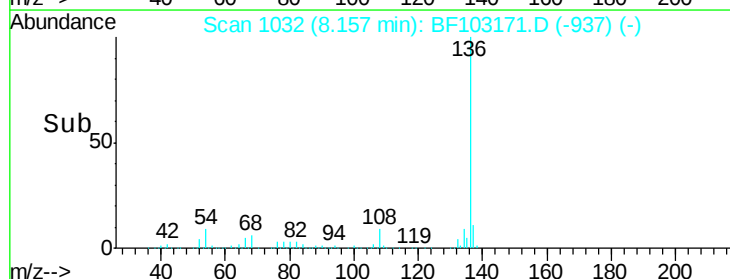
1000

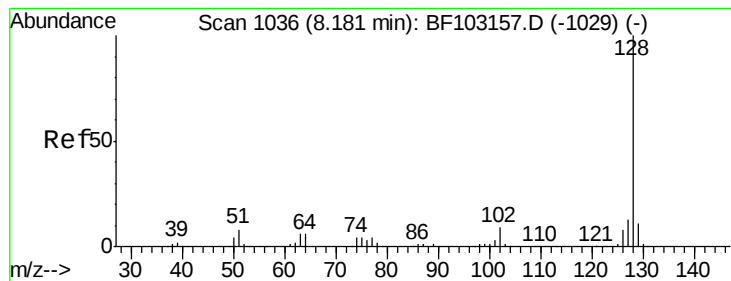
500

0

8.14 8.15 8.16 8.17

Time-->





#31

Naphthalene

Concen: 0.395 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

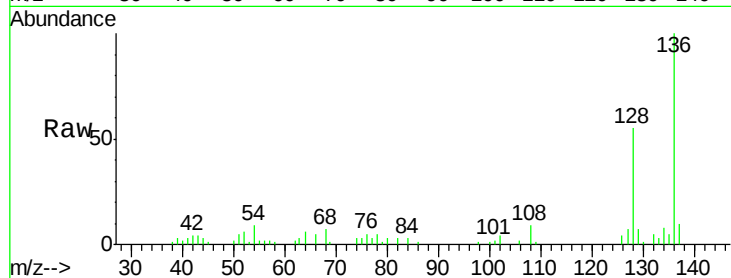
Tot Ion:128 Resp: 11842

Ion Ratio Lower Upper

128 100

129 13.0 8.8 13.2

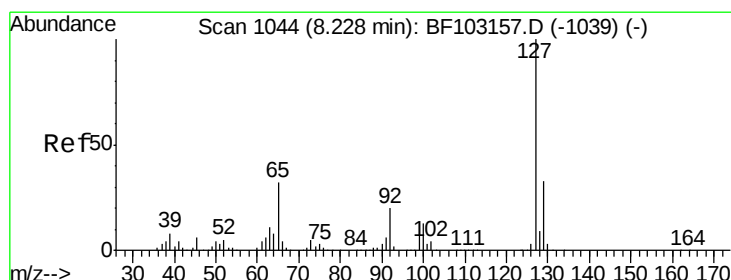
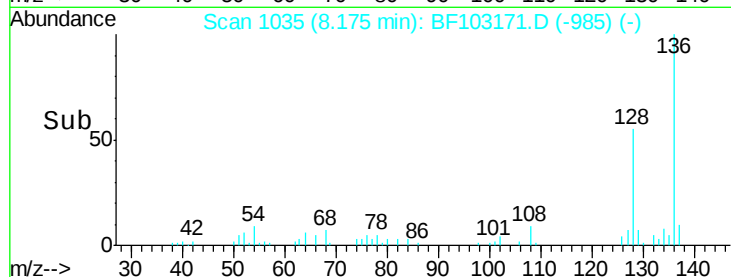
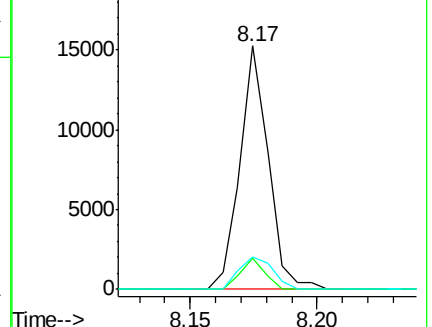
127 13.5 10.9 16.3



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



#33

4-Chloroaniline

Concen: 0.144 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Tgt Ion:127 Resp: 1868

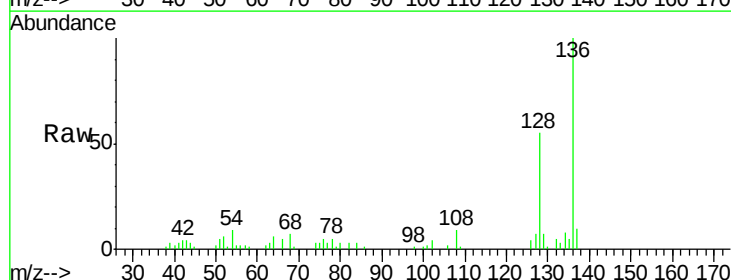
Ion Ratio Lower Upper

127 100

129 96.4 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

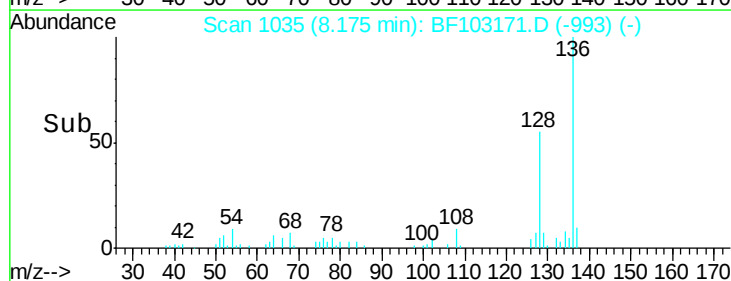
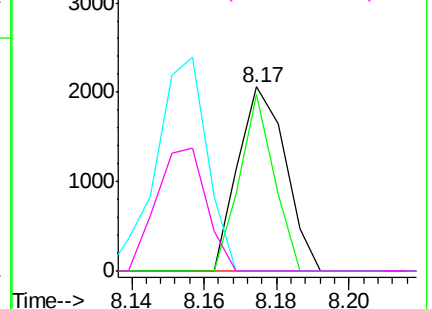


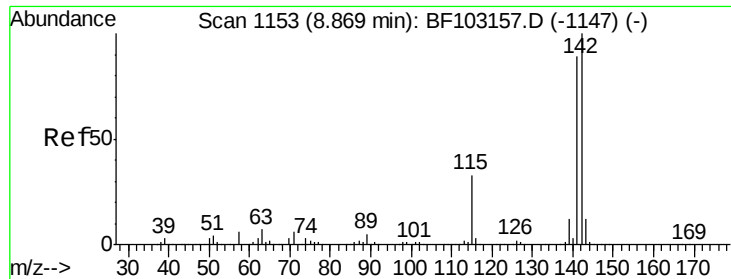
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

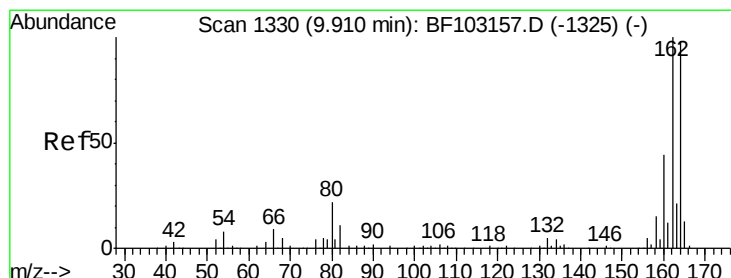
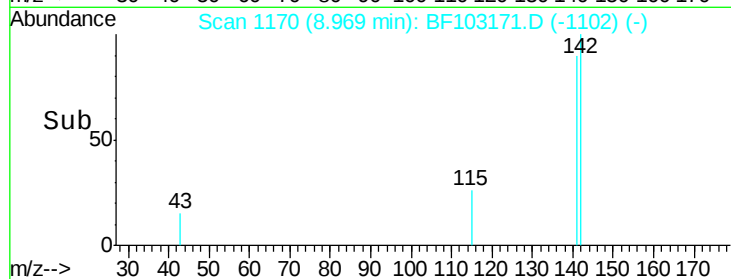
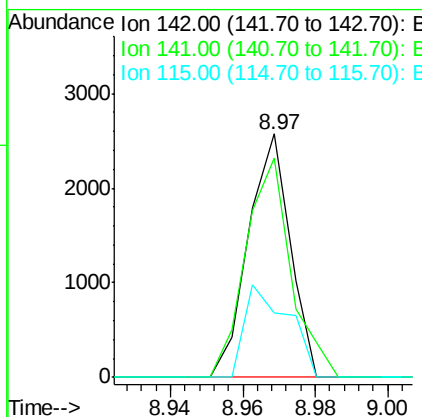
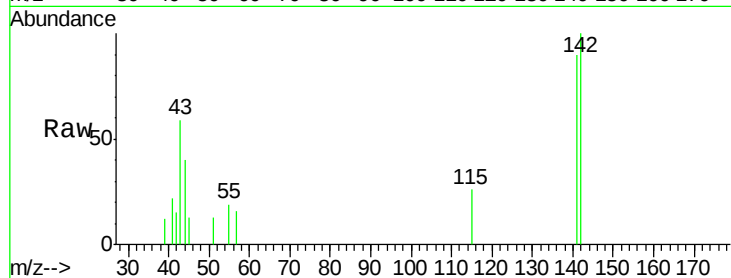




#37
 2-Methylnaphthalene
 Concen: 0.106 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.10 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

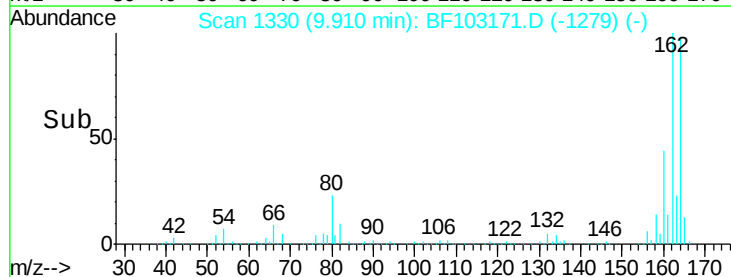
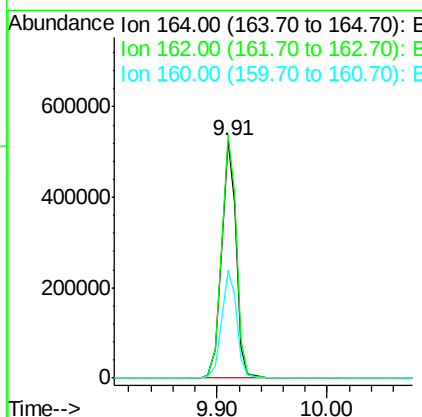
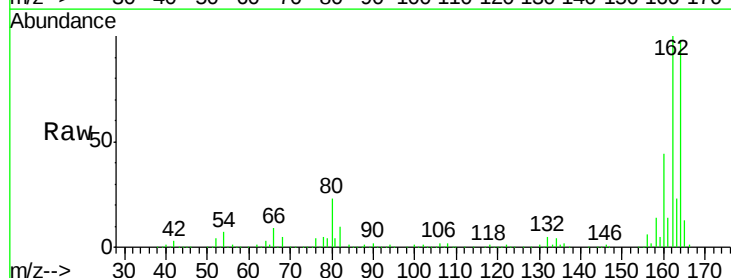
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

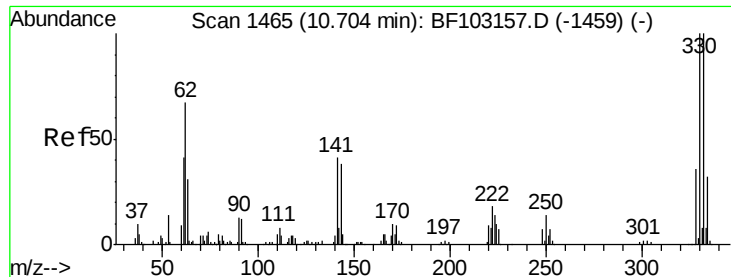
Tot Ion:142 Resp: 2052
 Ion Ratio Lower Upper
 142 100
 141 90.0 70.8 106.2
 115 26.4 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 40.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Tgt Ion:164 Resp: 482749
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 45.6 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 115.786 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

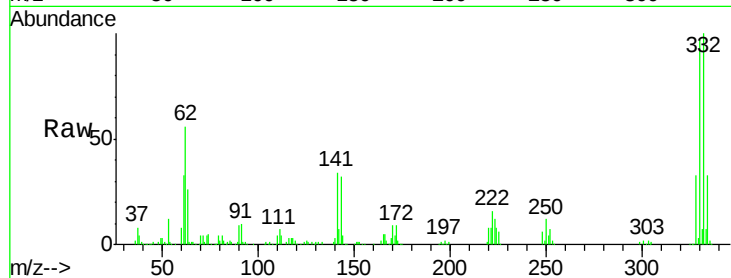
Tot Ion:330 Resp: 236563

Ion Ratio Lower Upper

330 100

332 101.7 77.0 115.6

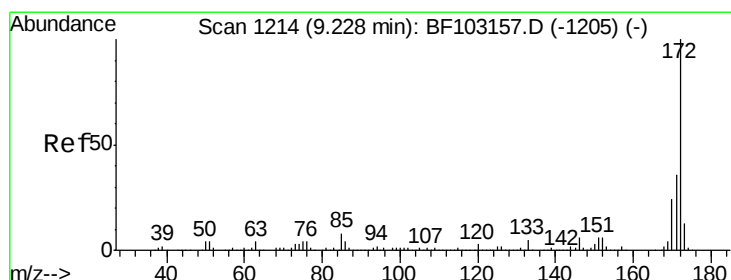
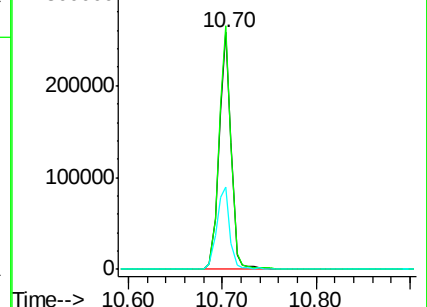
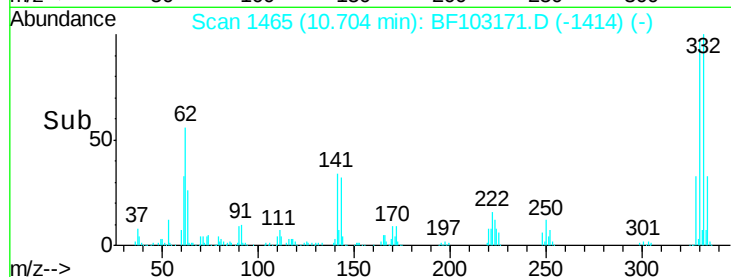
141 38.0 29.9 44.9



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



#44

2-Fluorobiphenyl

Concen: 91.944 ng

RT: 9.23 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

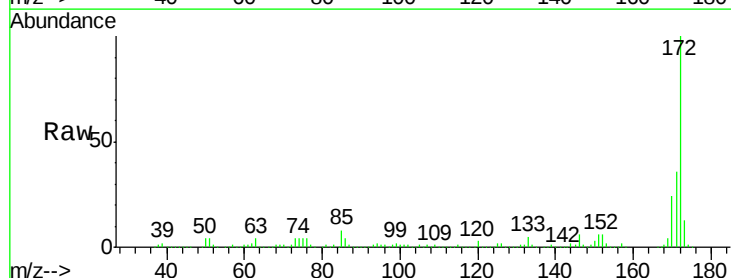
Tgt Ion:172 Resp: 1447561

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

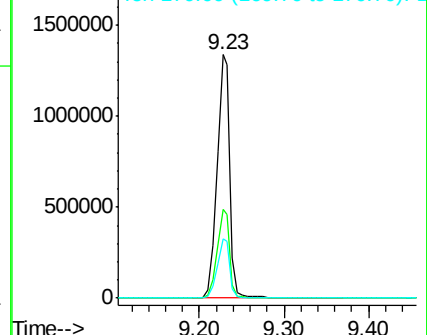
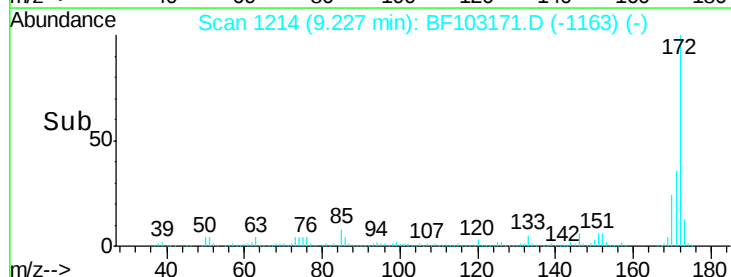
170 24.3 19.6 29.4

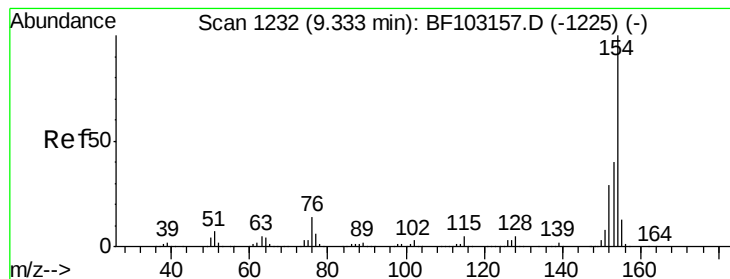


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.258 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

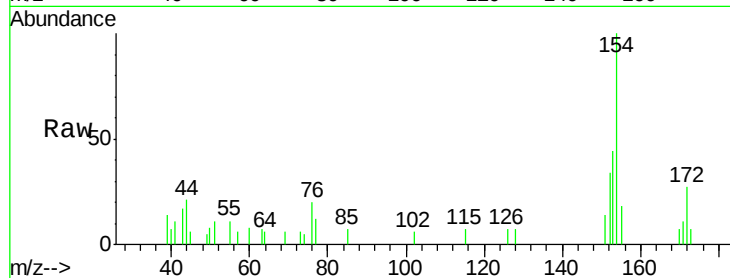
Tot Ion:154 Resp: 5222

Ion Ratio Lower Upper

154 100

153 43.8 21.3 61.3

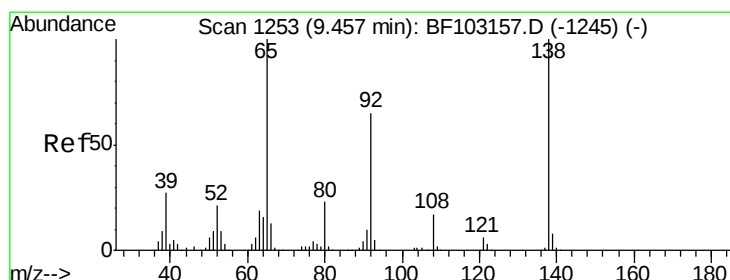
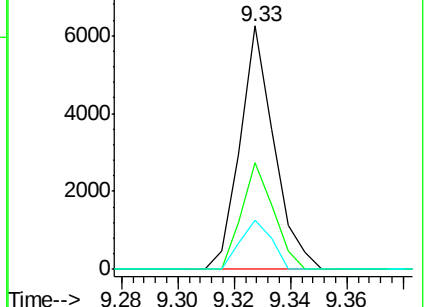
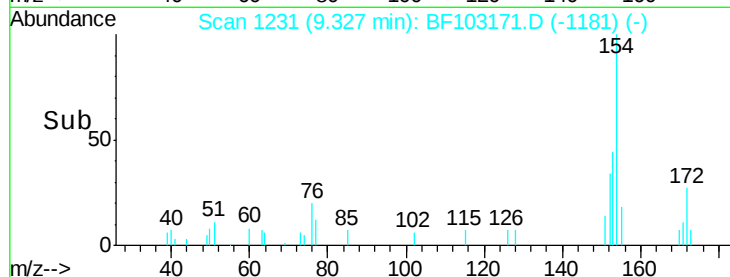
76 20.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47

2-Nitroaniline

Concen: 0.443 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.23 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

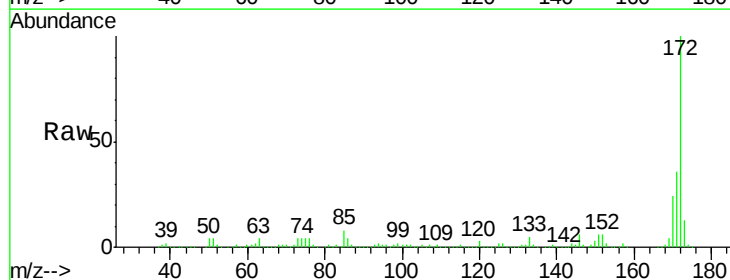
Tgt Ion: 65 Resp: 2625

Ion Ratio Lower Upper

65 100

92 194.1 55.8 83.6#

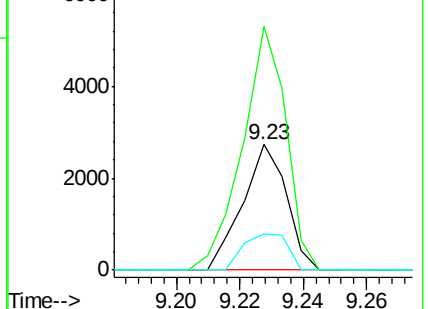
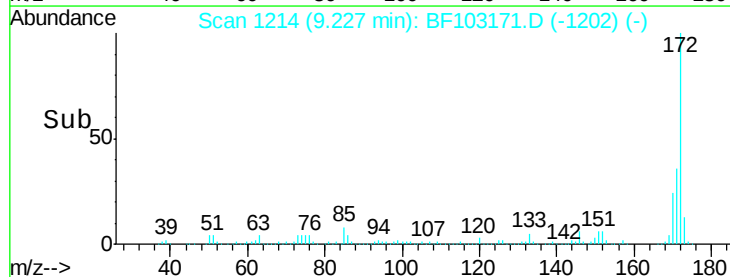
138 28.9 91.2 136.8#

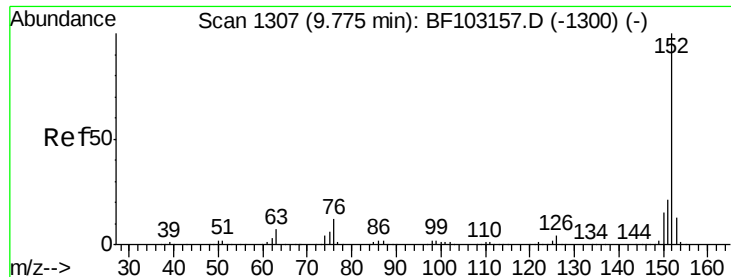


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.033 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

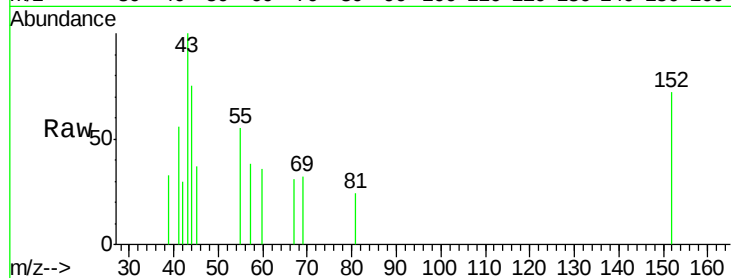
Tot Ion:152 Resp: 822

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

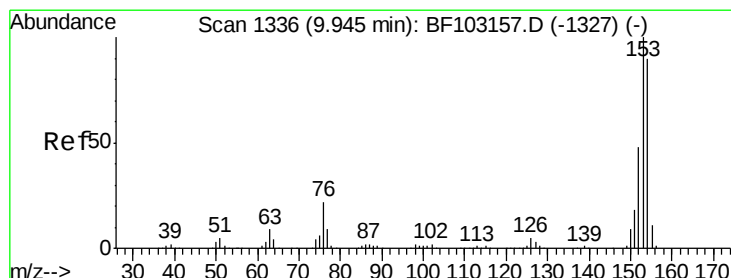
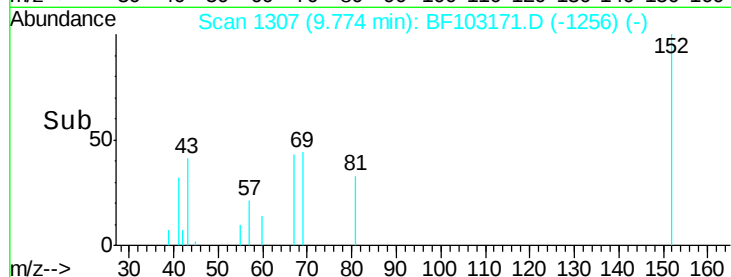
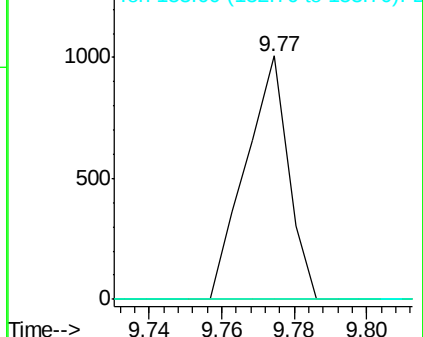
153 0.0 10.7 16.1#



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



#51

Acenaphthene

Concen: 0.022 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

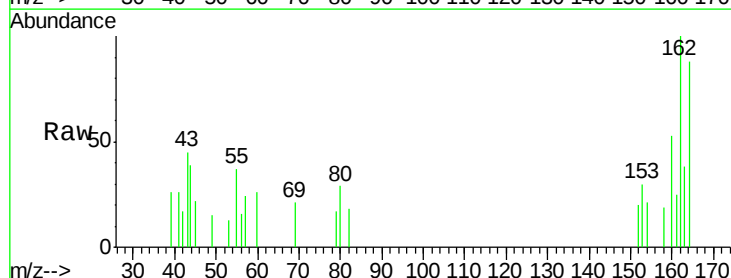
Tgt Ion:154 Resp: 310

Ion Ratio Lower Upper

154 100

153 141.2 91.2 136.8#

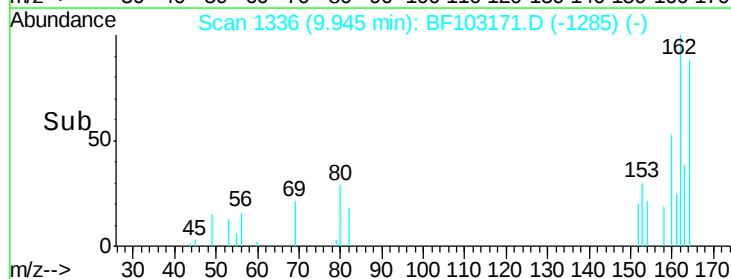
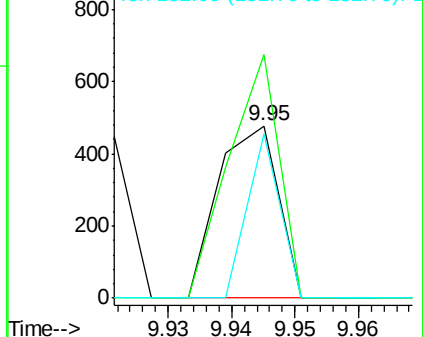
152 95.4 43.8 65.8#

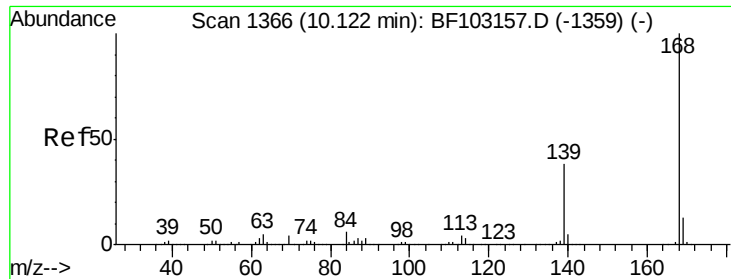


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 0.032 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

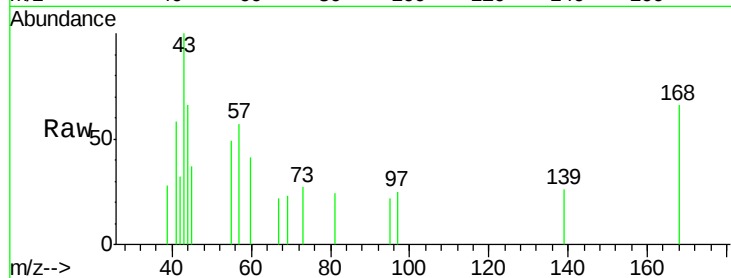
Tot Ion:168 Resp: 637

Ion Ratio Lower Upper

168 100

139 39.1 30.1 45.1

169 0.0 10.9 16.3#

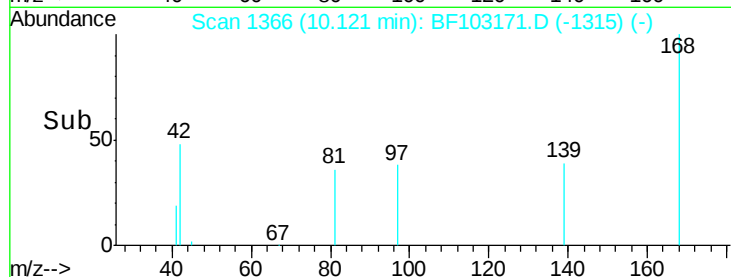


Abundance Ion 168.00 (167.70 to 168.70): E

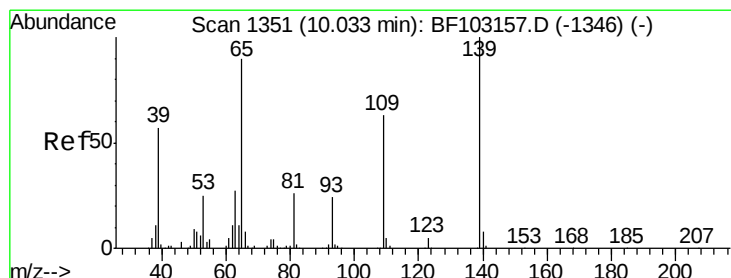
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->



Time-->



#55

4-Nitrophenol

Concen: 0.085 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.08 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

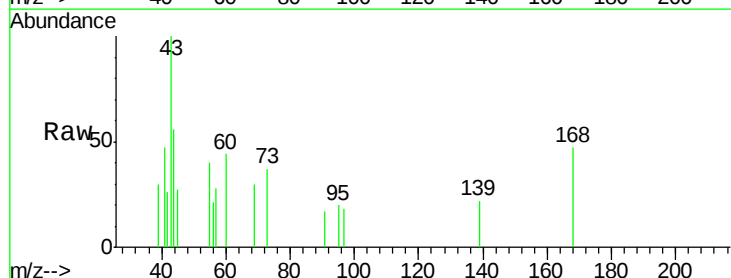
Tgt Ion:139 Resp: 273

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#

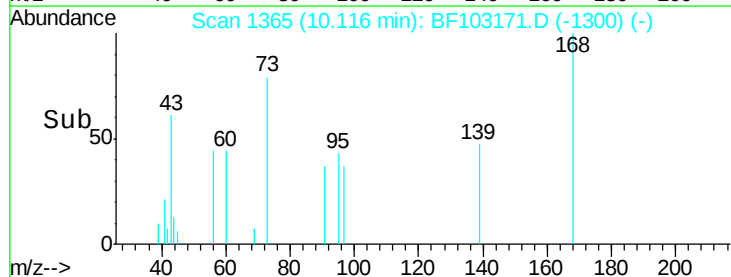


Abundance Ion 139.00 (138.70 to 139.70): E

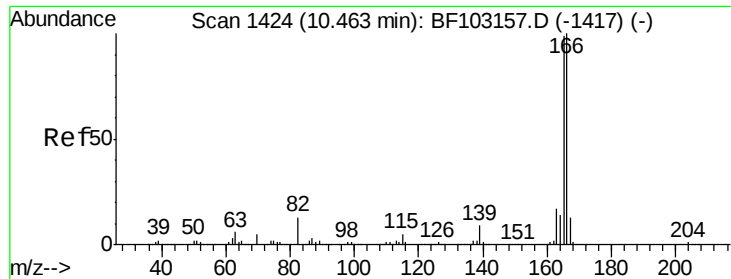
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->



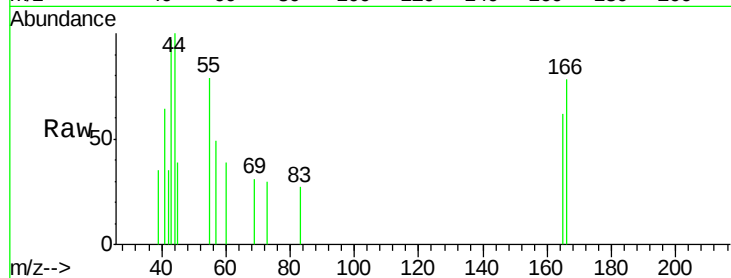
Time-->



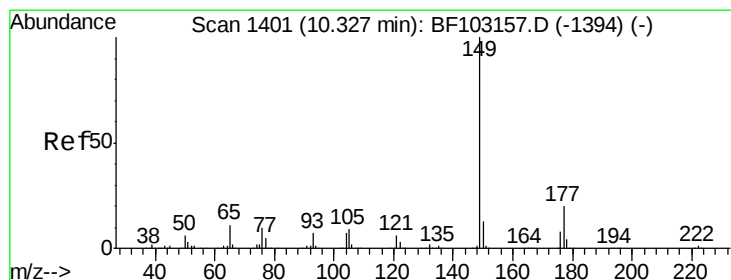
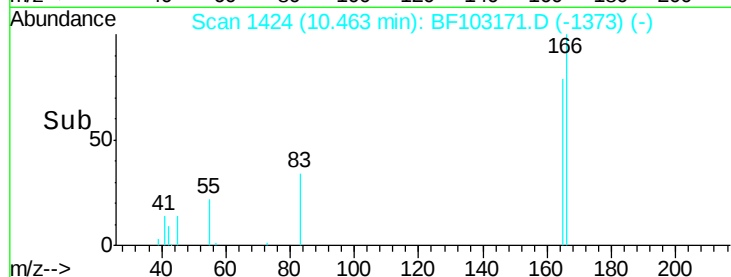
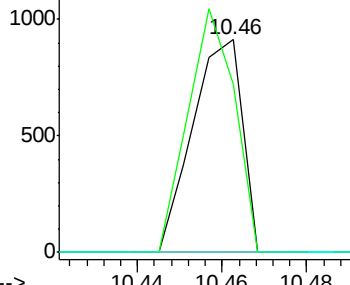
#57
 Fluorene
 Concen: 0.045 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion:166 Resp: 749
 Ion Ratio Lower Upper
 166 100
 165 79.4 79.8 119.8#
 167 0.0 10.6 16.0#

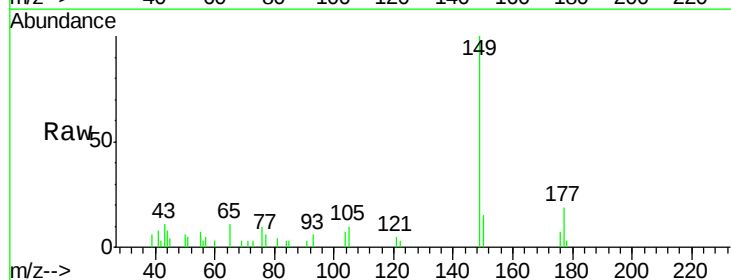


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

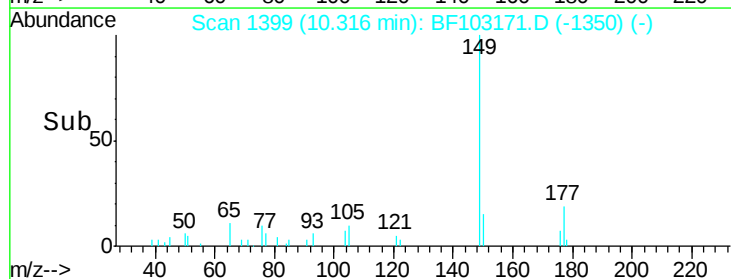
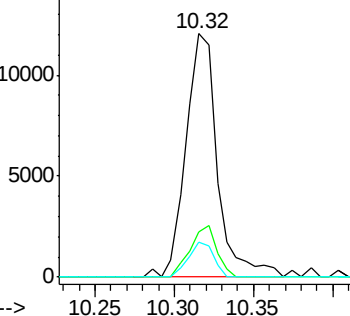


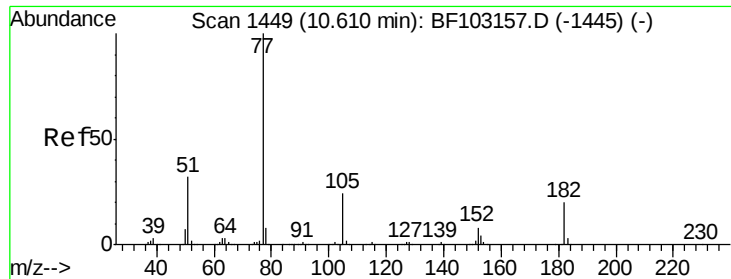
#59
 Diethylphthalate
 Concen: 0.899 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Tgt Ion:149 Resp: 16649
 Ion Ratio Lower Upper
 149 100
 177 18.6 16.1 24.1
 150 14.6 10.1 15.1



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





#62

Azobenzene

Concen: 0.006 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

Tot Ion: 77 Resp: 108

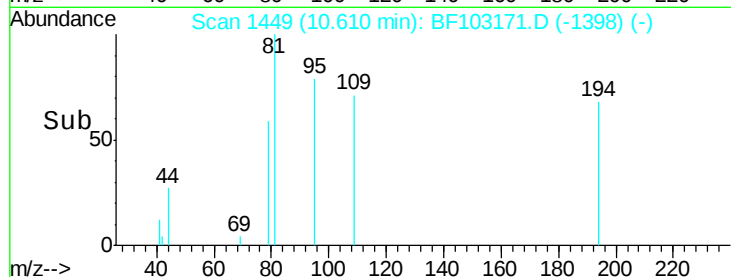
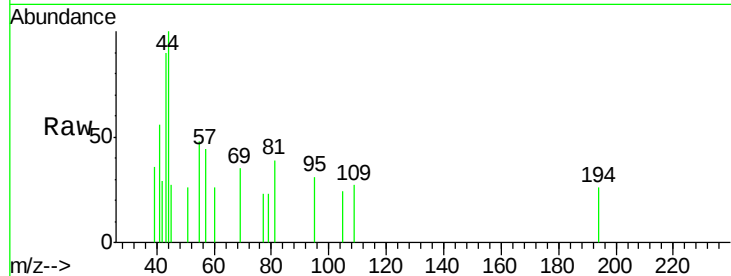
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 106.5 3.0 43.0#

51 115.6 9.9 49.9#

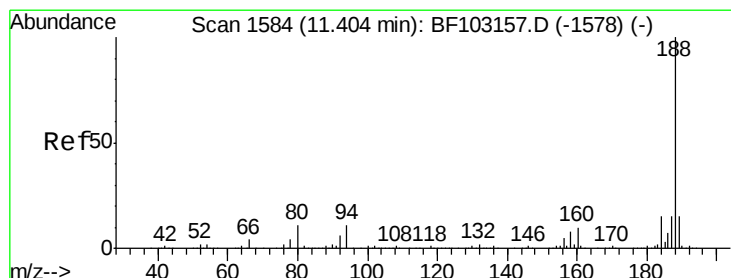
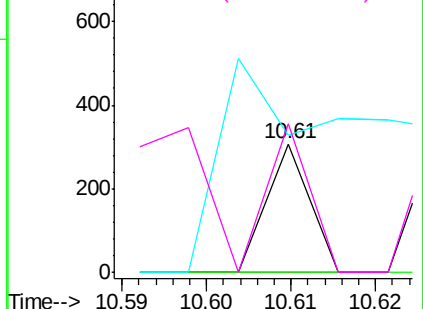


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#63

Phenanthrene-d10

Concen: 40.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

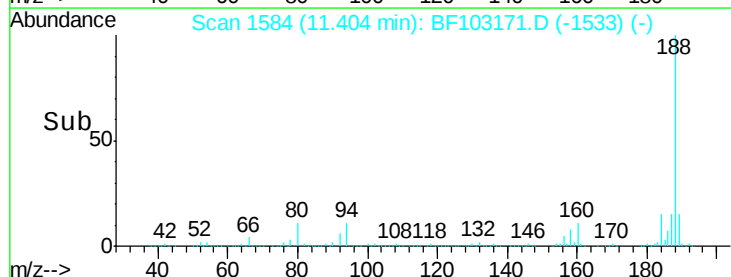
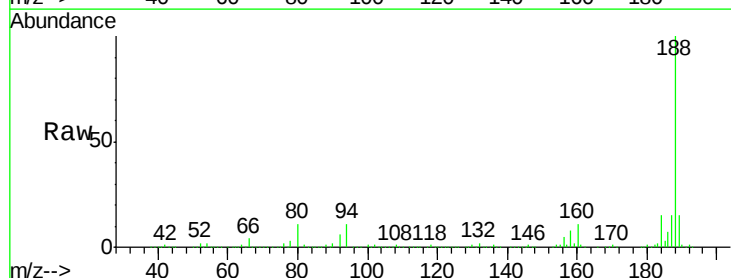
Tgt Ion: 188 Resp: 657239

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

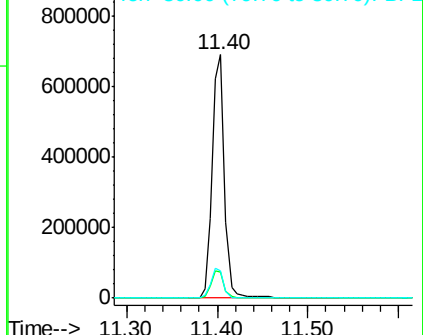
80 11.2 9.2 13.8

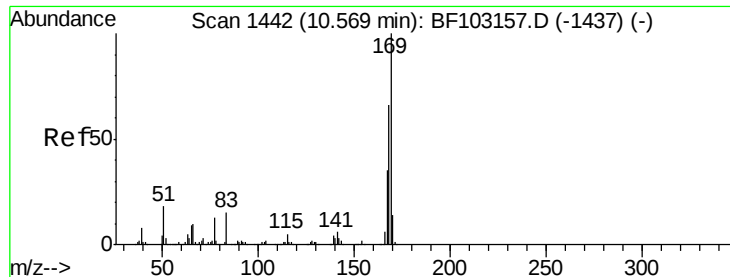


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

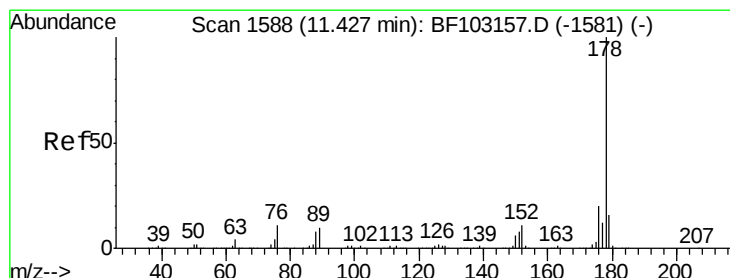
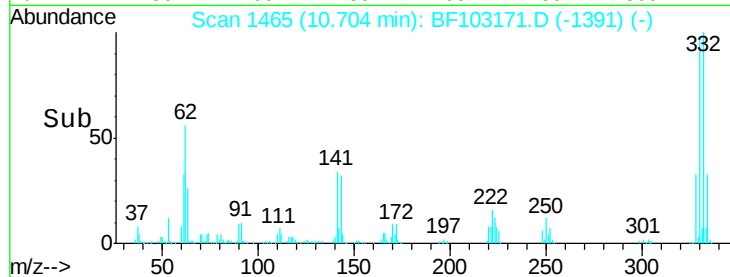
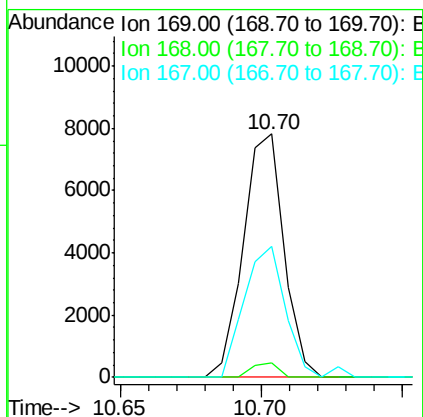
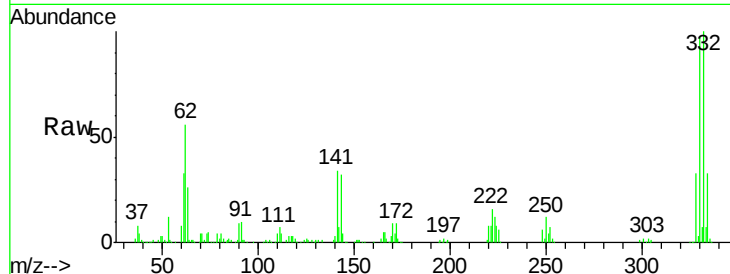




#65
 n-Nitrosodiphenylamine
 Concen: 0.682 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.14 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

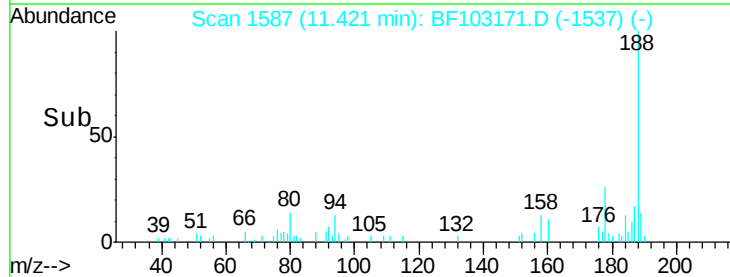
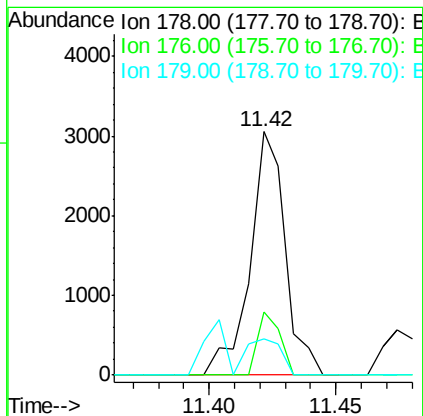
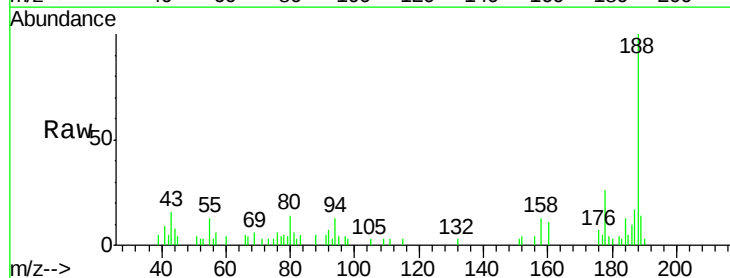
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

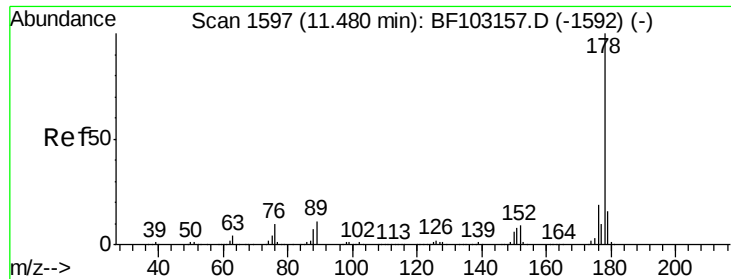
Tot Ion:169 Resp: 7805
 Ion Ratio Lower Upper
 169 100
 168 6.2 54.4 81.6#
 167 60.2 29.8 44.6#



#70
 Phenanthrene
 Concen: 0.163 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Tgt Ion:178 Resp: 2946
 Ion Ratio Lower Upper
 178 100
 176 25.8 15.8 23.8#
 179 15.1 13.0 19.6

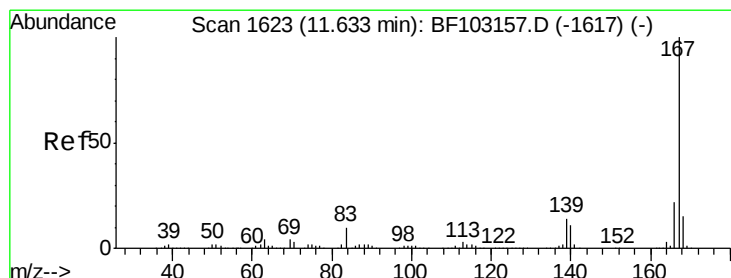
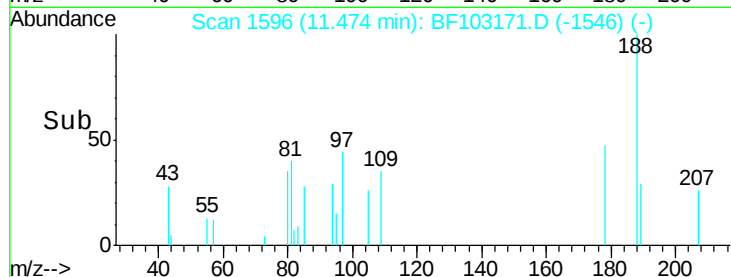
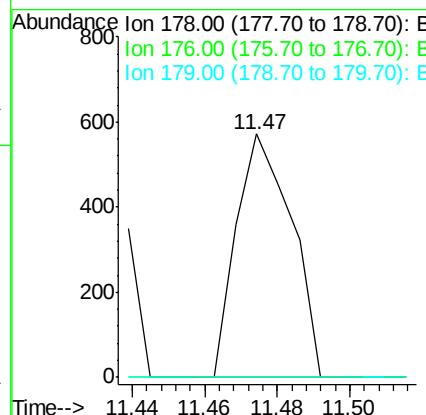
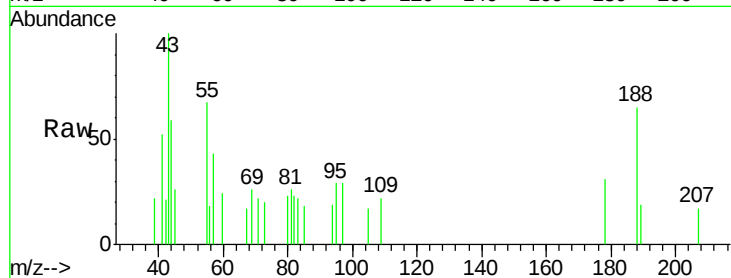




#71
 Anthracene
 Concen: 0.033 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

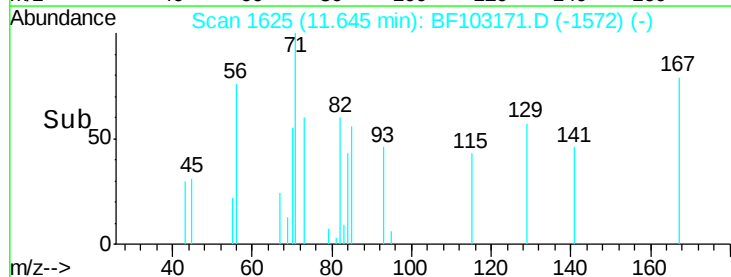
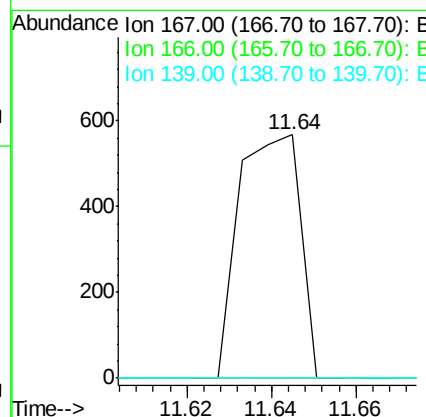
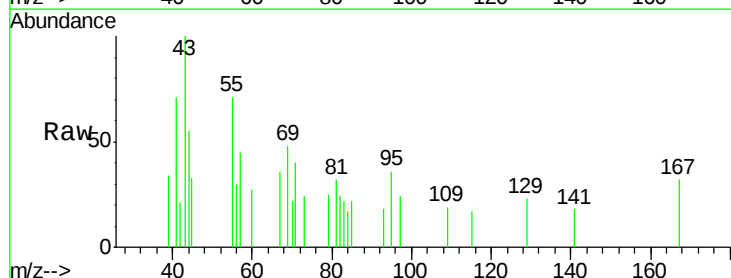
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

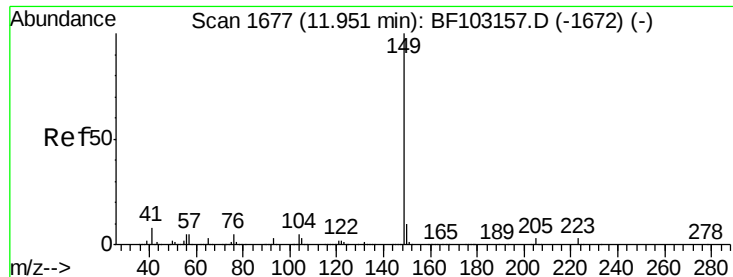
Tot Ion:178 Resp: 603
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.4 23.2#
 179 0.0 12.6 19.0#



#72
 Carbazole
 Concen: 0.031 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Tgt Ion:167 Resp: 572
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.6 26.4#
 139 0.0 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 0.154 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

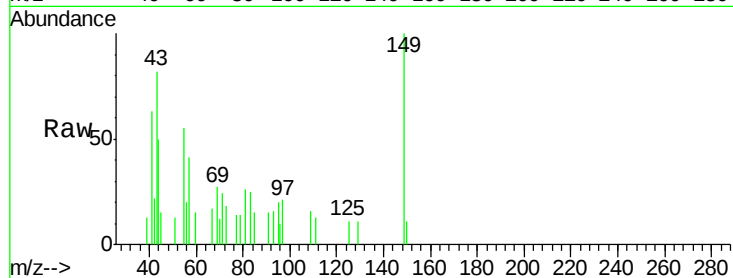
Tot Ion:149 Resp: 3561

Ion Ratio Lower Upper

149 100

150 11.4 7.8 11.6

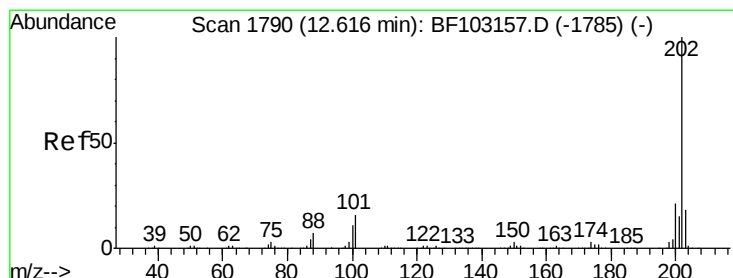
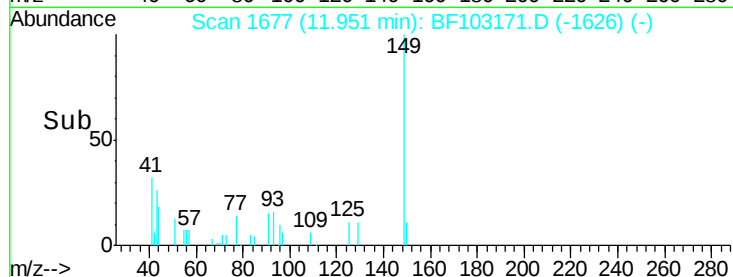
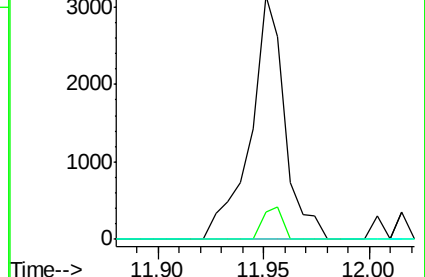
104 0.0 3.8 5.8#



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



#74

Fluoranthene

Concen: 0.062 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

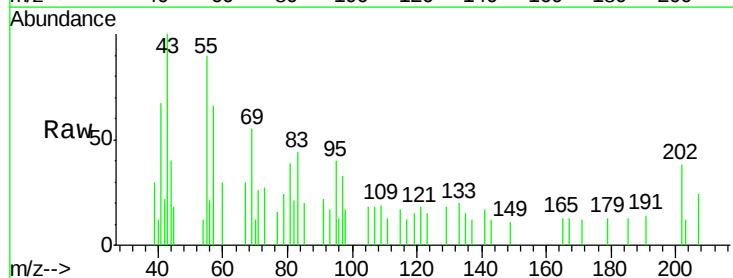
Tgt Ion:202 Resp: 1121

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.1

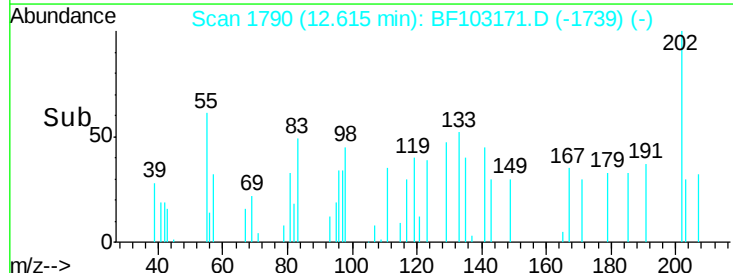
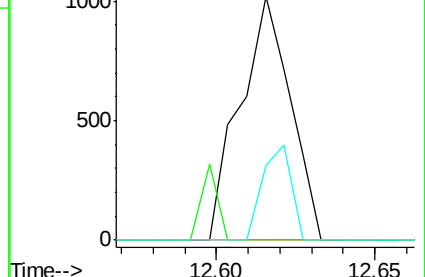
203 30.4 0.0 38.1

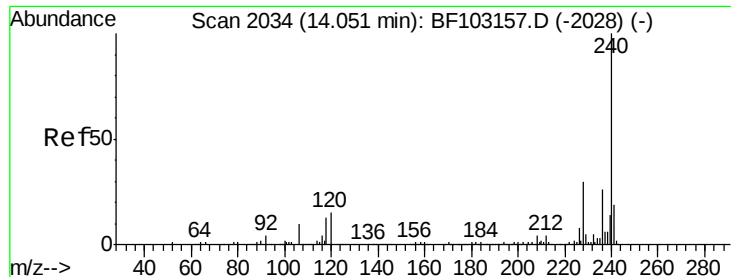


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

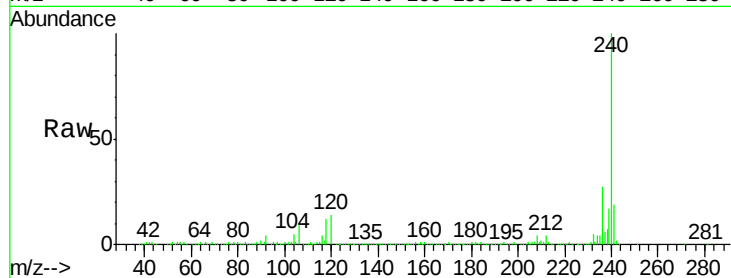
Tot Ion:240 Resp: 521808

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

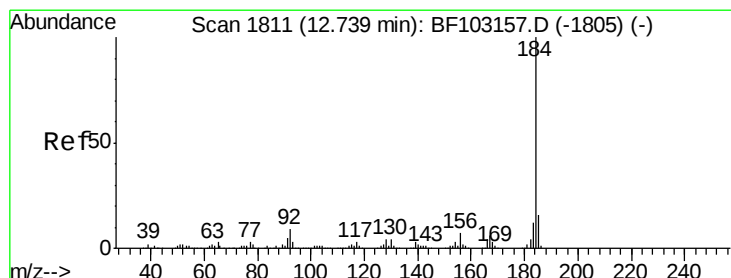
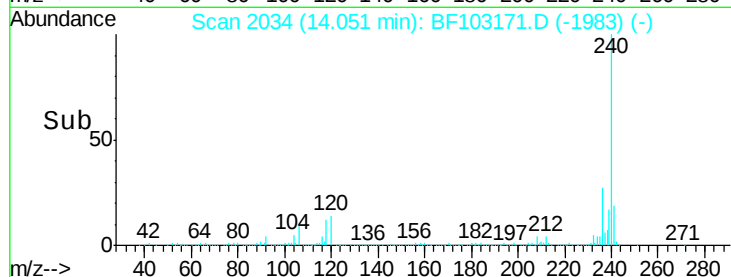
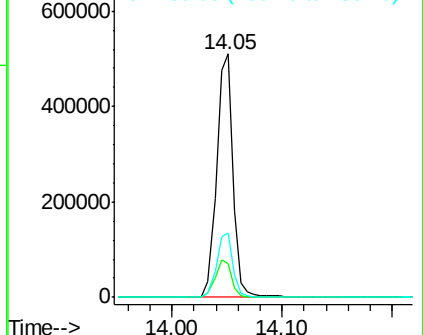
236 26.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.254 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.25 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

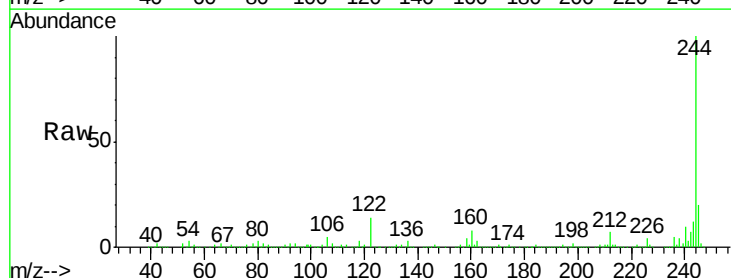
Tgt Ion:184 Resp: 12236

Ion Ratio Lower Upper

184 100

185 18.1 12.6 18.8

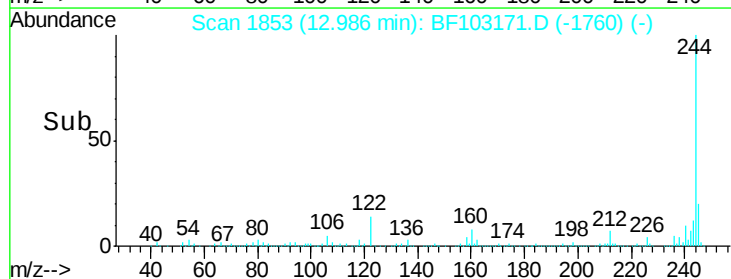
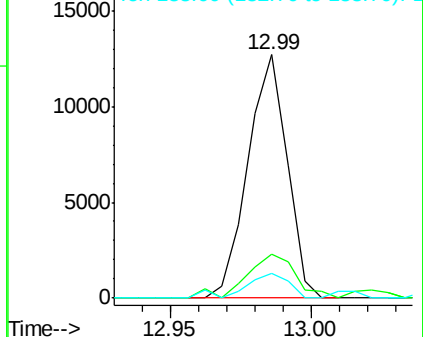
183 10.3 9.3 13.9

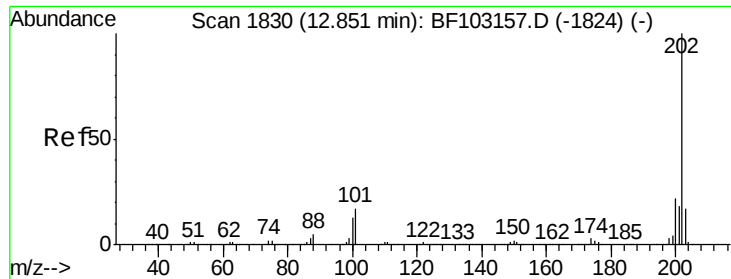


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

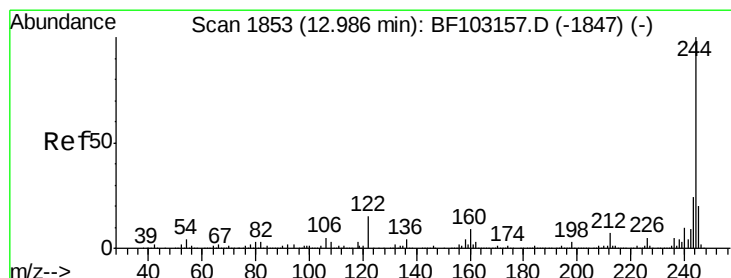
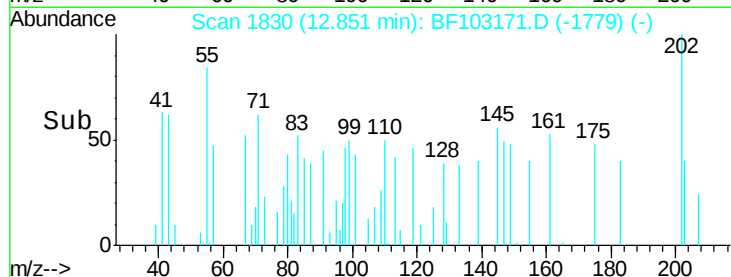
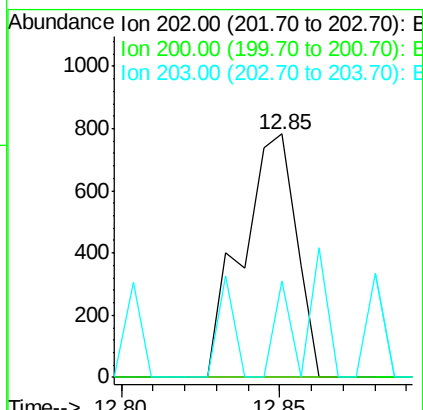
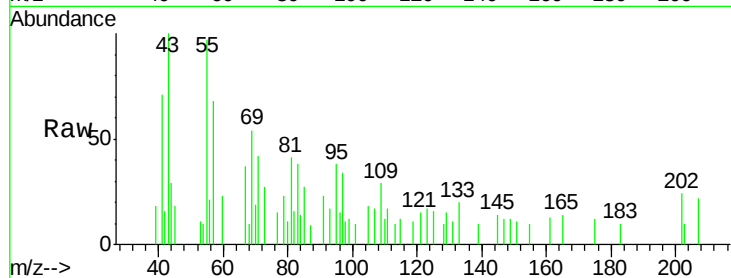




#77
Pvrene
Concen: 0.046 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

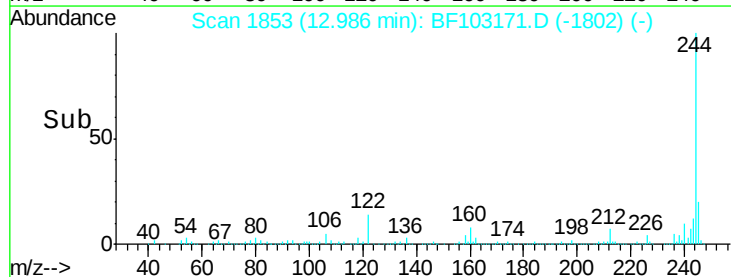
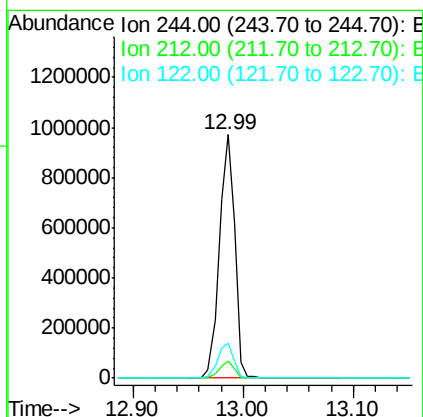
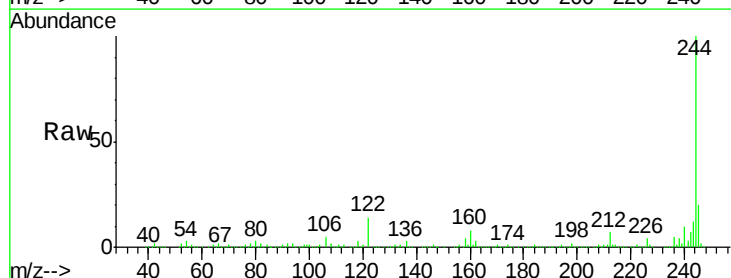
Instrument :
BNA_F
ClientSampleId :
HD-01-022118

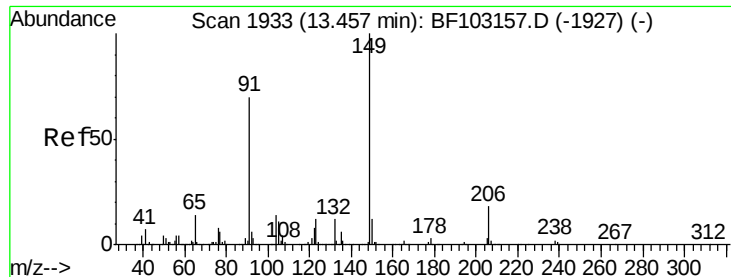
Tot Ion:202 Resp: 929
Ion Ratio Lower Upper
202 100
200 0.0 17.4 26.2#
203 39.7 14.3 21.5#



#78
Terphenyl-d14
Concen: 86.843 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion:244 Resp: 942549
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 14.3 11.0 16.4





#79

Butylbenzylphthalate

Concen: 0.095 ng

RT: 13.46 min Scan# 1934

Delta R.T. 0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

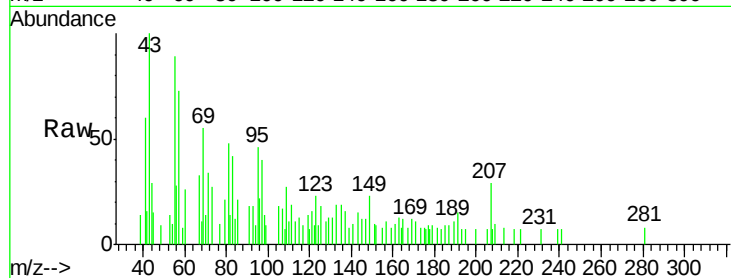
Tot Ion:149 Resp: 1018

Ion Ratio Lower Upper

149 100

91 78.4 56.8 85.2

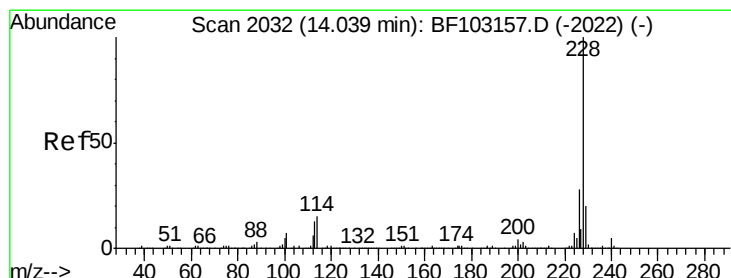
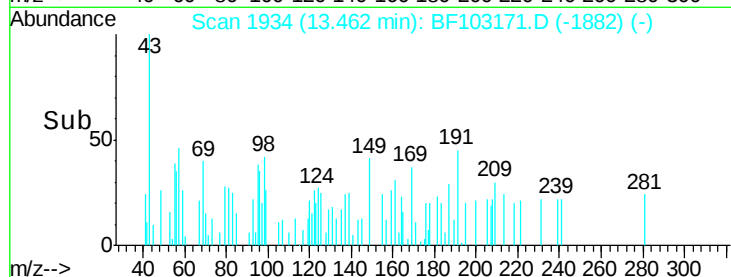
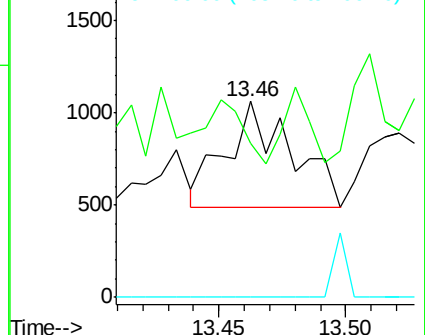
206 0.0 14.1 21.1#



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



#80

Benzo(a)anthracene

Concen: 0.239 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

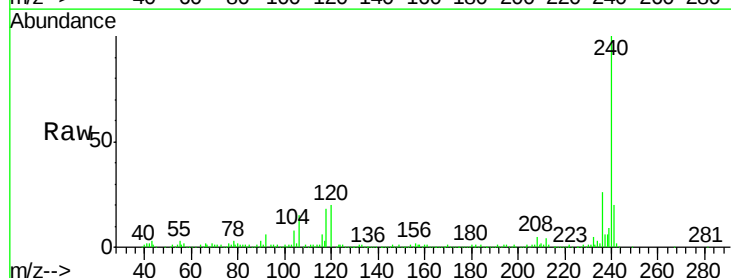
Tgt Ion:228 Resp: 4052

Ion Ratio Lower Upper

228 100

226 39.3 22.6 33.8#

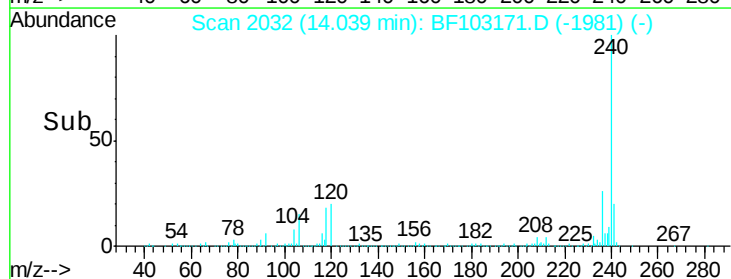
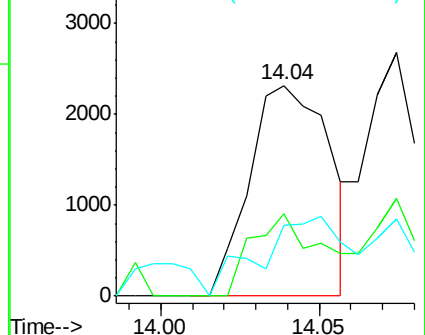
229 33.9 15.8 23.6#

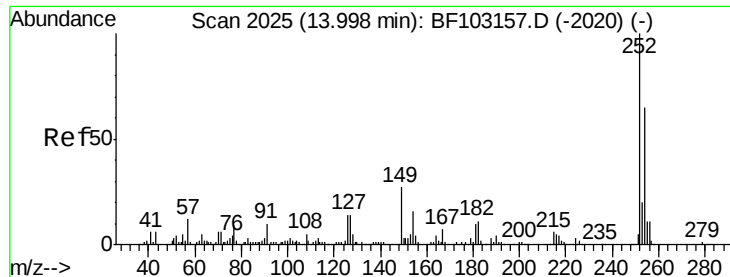


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

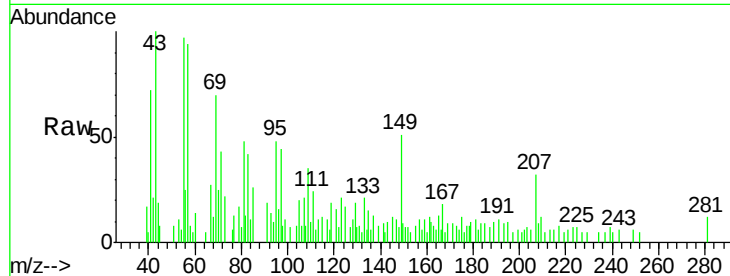




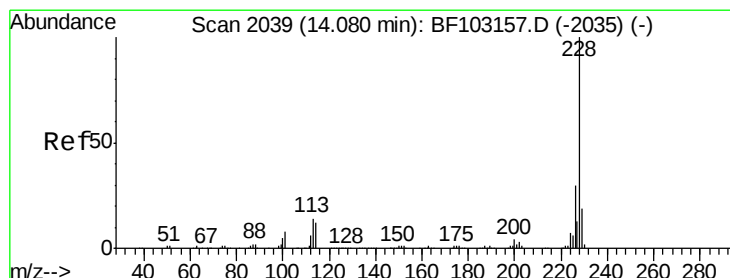
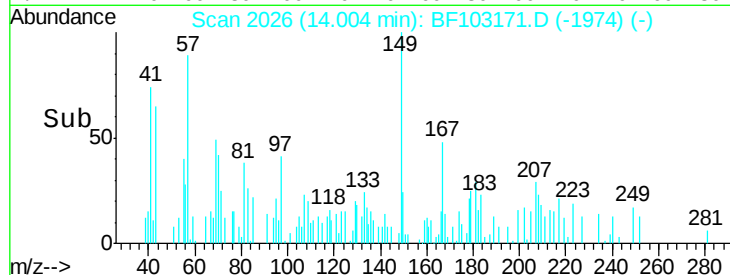
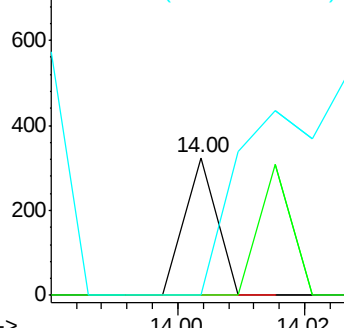
#81
 3,3'-Dichlorobenzidine
 Concen: 0.019 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion:252 Resp: 114
 Ion Ratio Lower Upper
 252 100
 254 0.0 50.4 75.6#
 126 0.0 11.3 16.9#

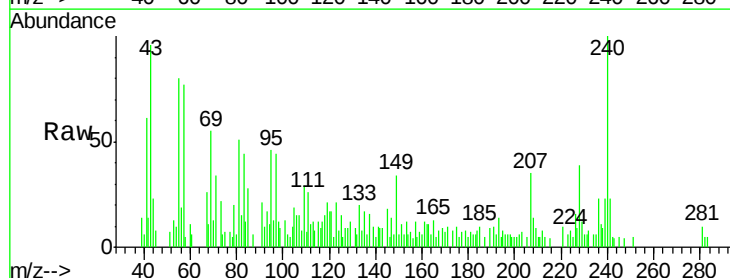


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

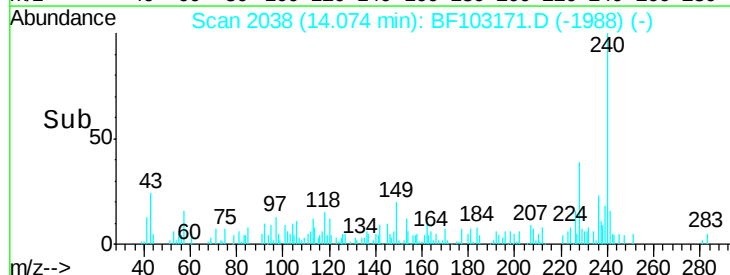
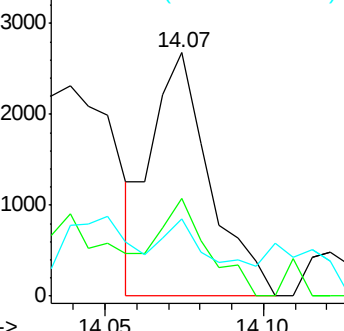


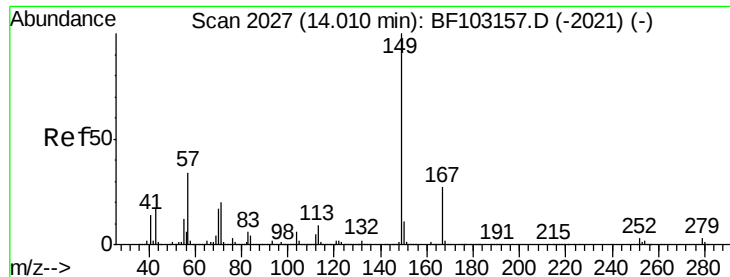
#82
 Chrysene
 Concen: 0.207 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Tgt Ion:228 Resp: 3407
 Ion Ratio Lower Upper
 228 100
 226 40.4 25.0 37.6#
 229 31.8 16.2 24.4#



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.241 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

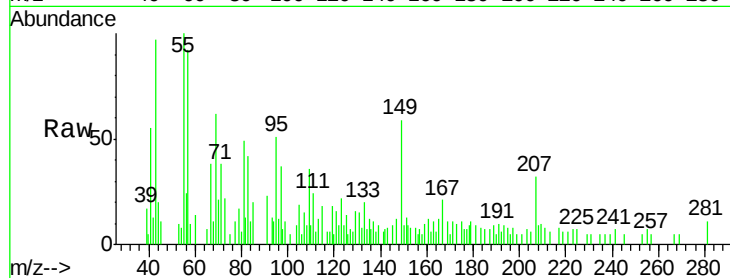
Tot Ion:149 Resp: 3491

Ion Ratio Lower Upper

149 100

167 36.2 21.3 31.9#

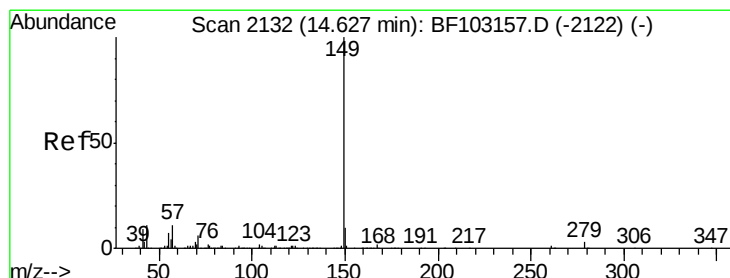
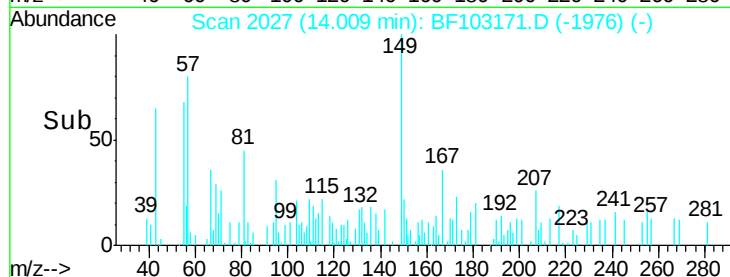
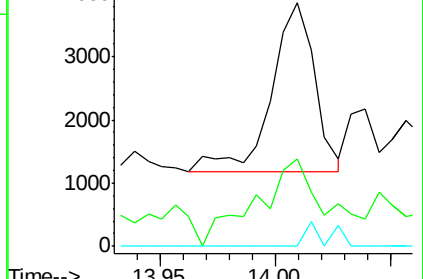
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.236 ng

RT: 14.63 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

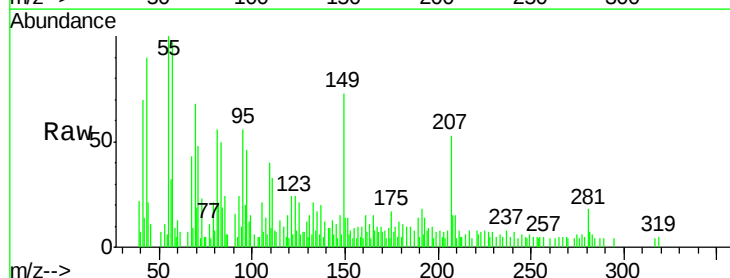
Tgt Ion:149 Resp: 5541

Ion Ratio Lower Upper

149 100

167 7.6 1.2 1.8#

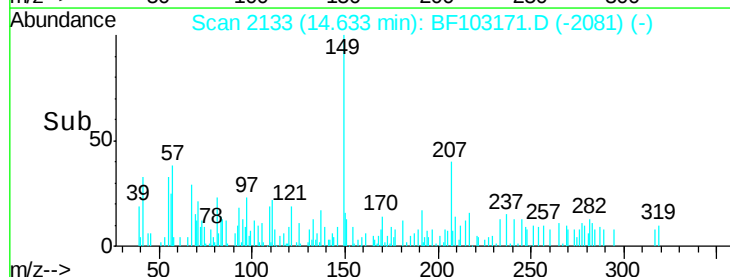
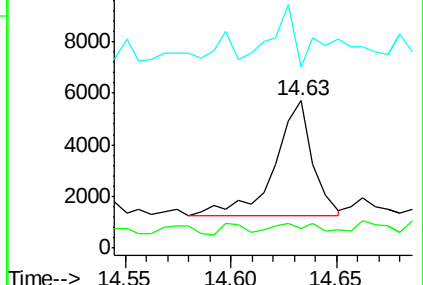
43 20.0 8.4 12.6#

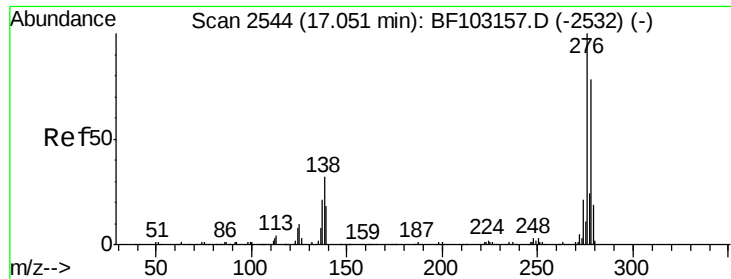


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.511 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.02 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

Instrument :

BNA_F

ClientSampleId :

HD-01-022118

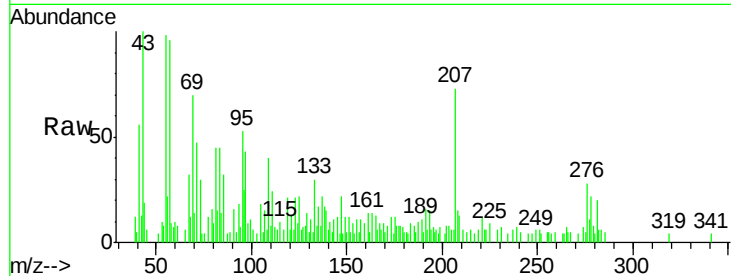
Tot Ion:276 Resp: 6647

Ion Ratio Lower Upper

276 100

138 49.2 25.0 37.6#

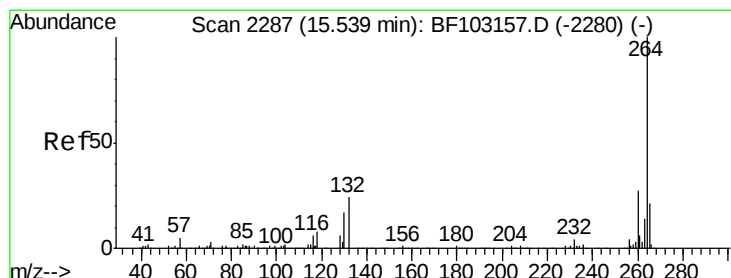
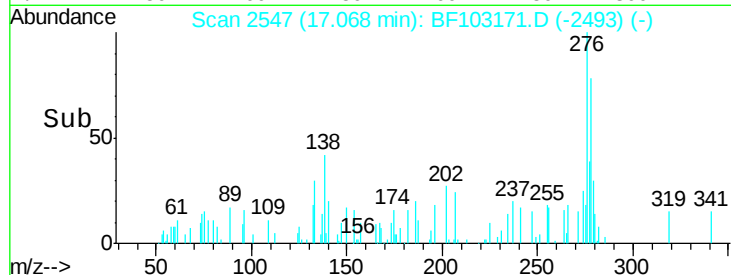
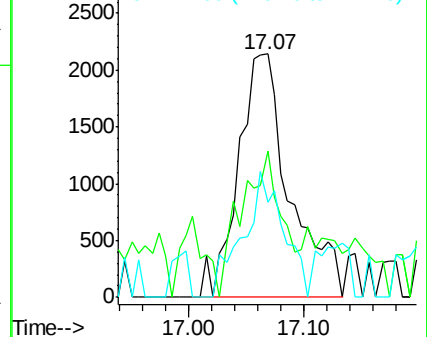
277 40.5 20.1 30.1#



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



#86

Perylene-d12

Concen: 40.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF103171.D

Acq: 22 Feb 2018 19:15

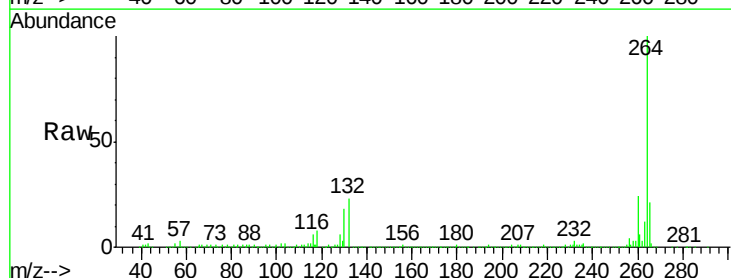
Tgt Ion:264 Resp: 470373

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

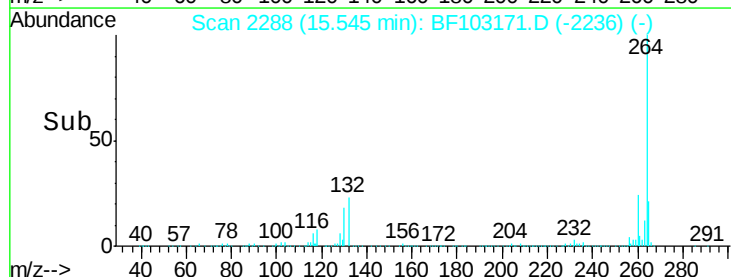
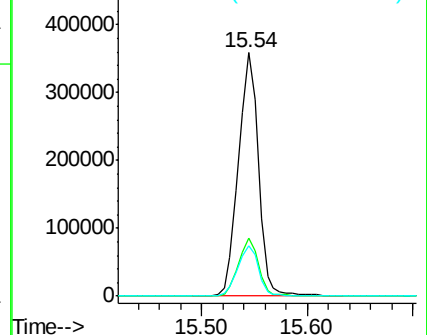
265 20.8 17.5 26.3

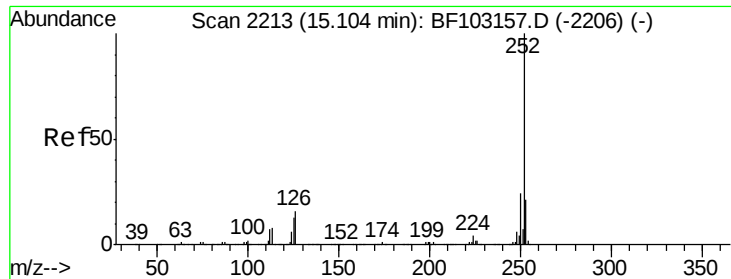


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

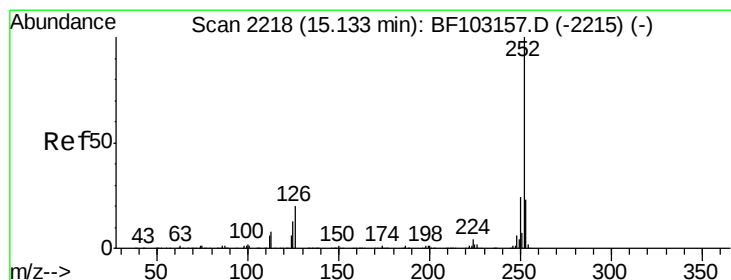
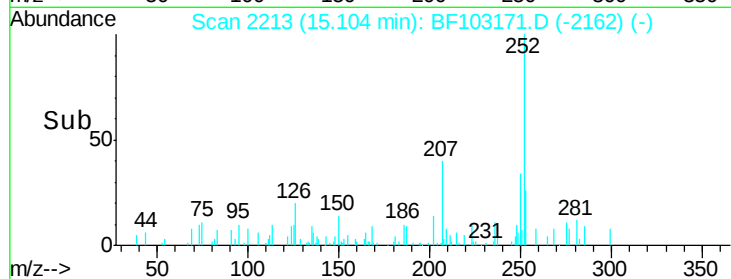
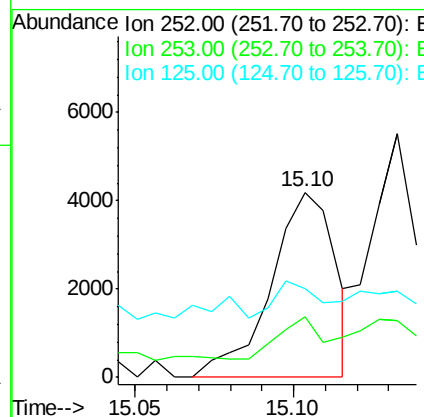
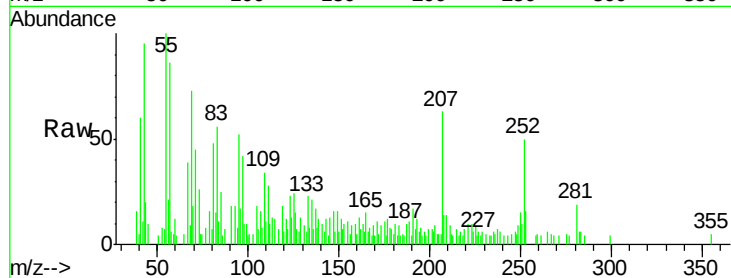




#87
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

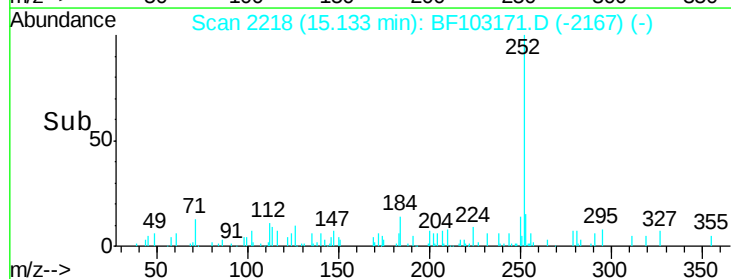
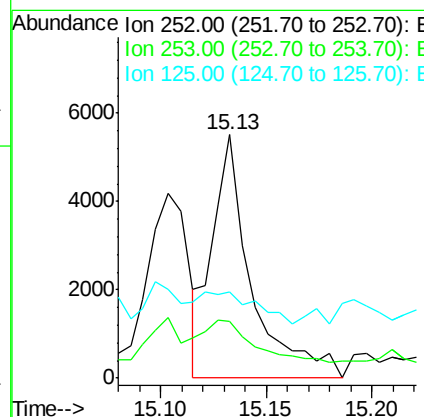
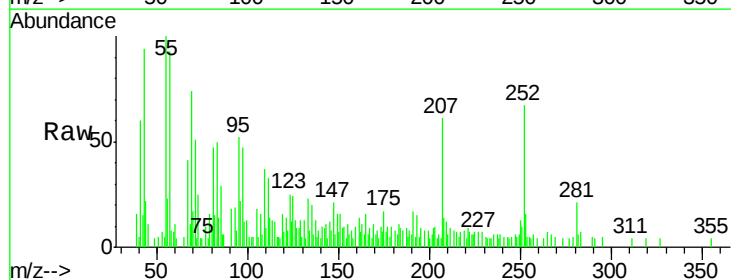
Instrument :
BNA_F
ClientSampleId :
HD-01-022118

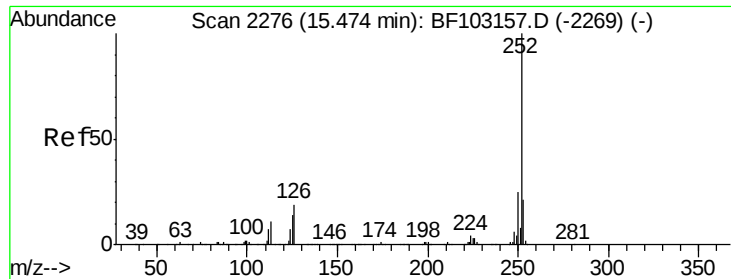
Tot Ion:252 Resp: 5931
Ion Ratio Lower Upper
252 100
253 32.9 17.0 25.6#
125 48.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 0.487 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion:252 Resp: 7098
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 35.5 10.2 15.2#

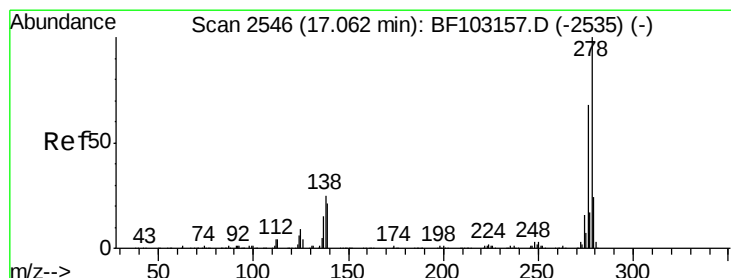
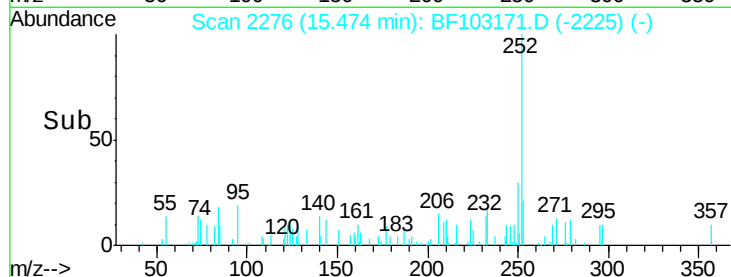
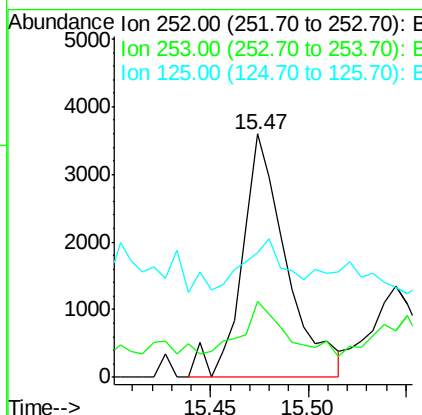
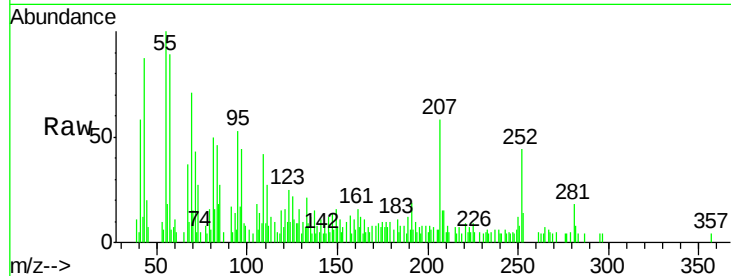




#89
Benzo(a)pyrene
Concen: 0.412 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

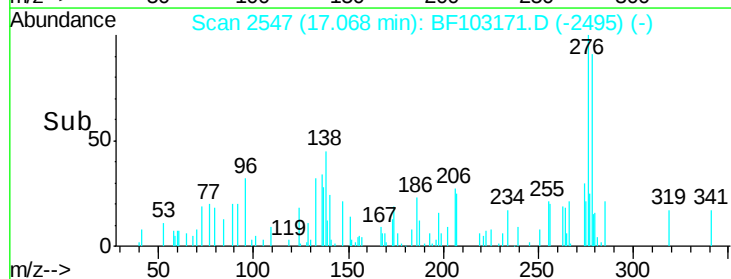
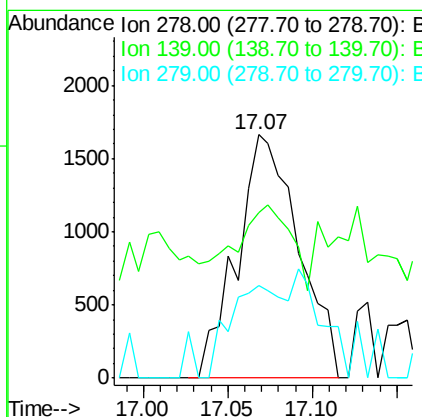
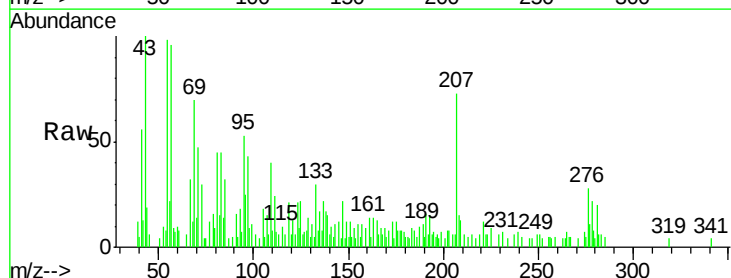
Instrument :
BNA_F
ClientSampleId :
HD-01-022118

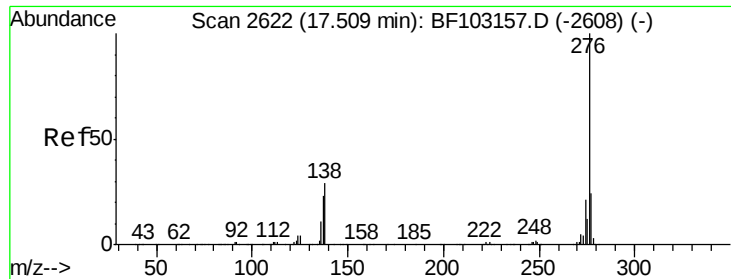
Tot Ion:252 Resp: 5691
Ion Ratio Lower Upper
252 100
253 31.1 17.1 25.7#
125 51.1 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.01 min
Lab File: BF103171.D
Acq: 22 Feb 2018 19:15

Tgt Ion:278 Resp: 4221
Ion Ratio Lower Upper
278 100
139 67.8 15.9 23.9#
279 38.3 19.0 28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 0.509 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. 0.01 min
 Lab File: BF103171.D
 Acq: 22 Feb 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.5	17.9	26.9#
138	36.3	21.8	32.8#

