

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112557.D
 Acq On : 14 Feb 2019 2:17
 Operator : JU/SJ
 Sample : K1345-01 DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-021119DL

Quant Time: Feb 14 04:18:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	85810	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	309493	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	121593	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	213397	20.00	ng	0.00
76) Chrysene-d12	14.02	240	174526	20.00	ng	0.00
87) Perylene-d12	15.49	264	122560	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	107450	26.60	ng	0.00
7) Phenol-d6	6.49	99	136153	24.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	76209	14.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	27061	19.12	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	146884	17.09	ng	-0.01
79) Terphenyl-d14	12.95	244	137287	14.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	2952	1.006	ng	# 71
10) Phenol	6.51	94	1606	0.261	ng	# 1
15) Benzyl Alcohol	6.99	79	1678	0.355	ng	# 50
19) n-Nitroso-di-n-propylamine	7.40	70	9780	2.527	ng	# 83
25) Isophorone	7.40	82	76209	9.044	ng	# 63
31) Naphthalene	8.14	128	2571	0.178	ng	# 96
33) 4-Chloroaniline	8.13	127	222	0.035	ng	# 48
37) 2-Methylnaphthalene	8.84	142	1199	0.121	ng	# 79
38) 1-Methylnaphthalene	8.93	142	1942	0.204	ng	# 89
46) 1,1'-Biphenyl	9.30	154	330	0.031	ng	# 42
48) 2-Nitroaniline	9.19	65	133	0.059	ng	# 1
49) Acenaphthylene	9.74	152	33623	2.783	ng	# 97
50) Dimethylphthalate	9.59	163	11516	1.219	ng	# 95
51) 2,6-Dinitrotoluene	9.87	165	15783	7.460	ng	# 33
52) Acenaphthene	9.90	154	4616	0.640	ng	# 92
55) Dibenzofuran	10.09	168	7614	0.690	ng	# 92
56) 4-Nitrophenol	10.09	139	2642	2.180	ng	# 12
57) 2,4-Dinitrotoluene	9.87	165	15783	5.860	ng	# 31
58) Fluorene	10.43	166	10866	1.316	ng	# 91
60) Diethylphthalate	10.29	149	246	0.026	ng	# 58
63) Azobenzene	10.58	77	146	0.018	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	759	0.106	ng	# 81
67) 4-Bromophenyl-phenylether	10.67	248	1605	0.639	ng	# 1
71) Phenanthrene	11.39	178	178001	16.044	ng	# 95
72) Anthracene	11.45	178	75872	6.865	ng	# 97
73) Carbazole	11.60	167	8166	0.749	ng	# 83
74) Di-n-butylphthalate	11.91	149	498	0.037	ng	# 77
75) Fluoranthene	12.58	202	528578	44.421	ng	# 98
77) Benzdine	12.94	184	1761	0.367	ng	# 82
78) Pyrene	12.82	202	458591	37.953	ng	# 98
80) Butylbenzylphthalate	13.40	149	416	0.071	ng	# 83
81) Benzo(a)anthracene	14.00	228	227202	22.145	ng	# 98
82) 3,3'-Dichlorobenzidine	14.03	252	2188	0.570	ng	# 1
83) Chrysene	14.04	228	170205	17.380	ng	# 97

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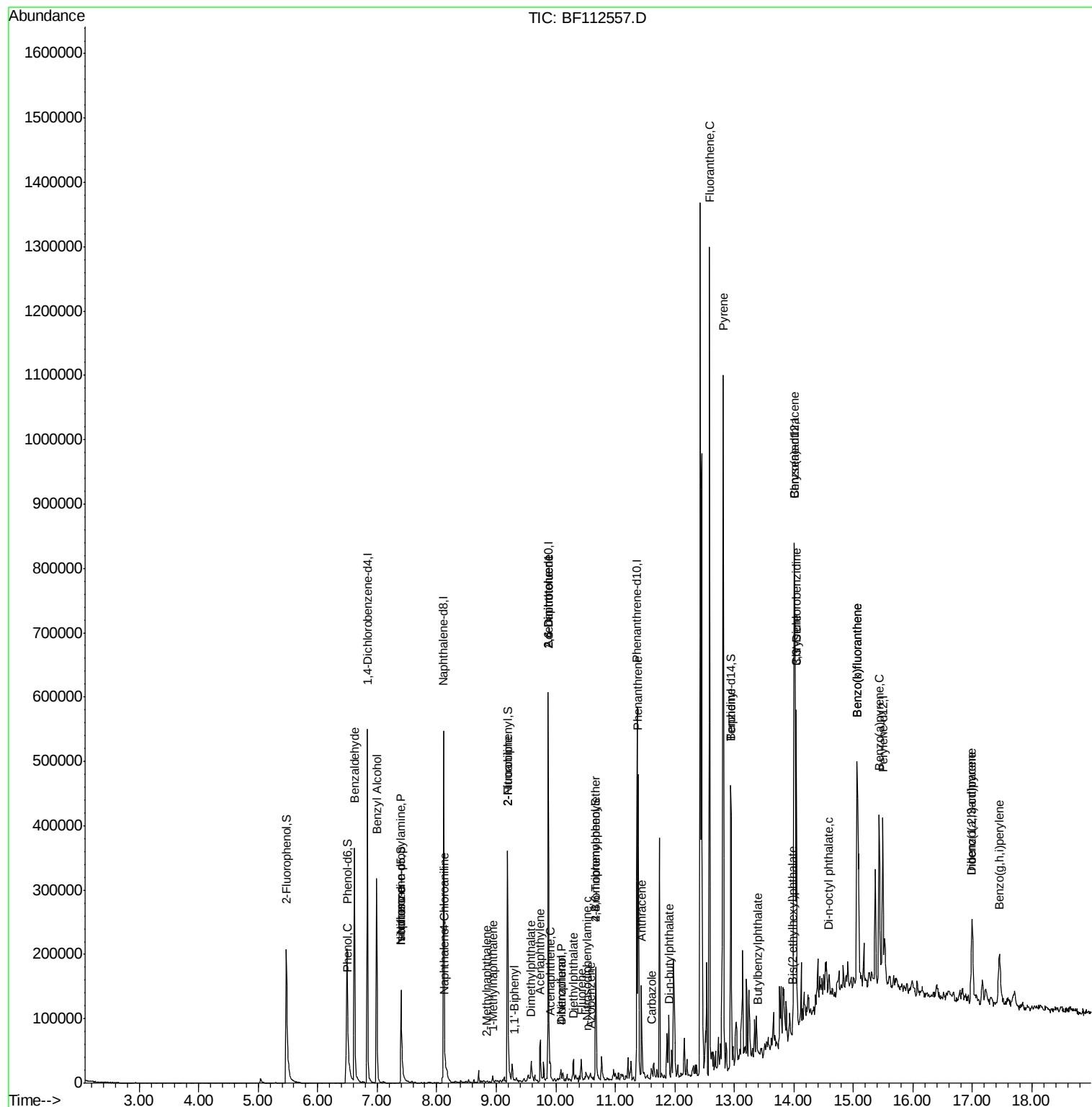
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	13.97	149	1204	0.145	ng	# 72
85) Di-n-octyl phthalate	14.60	149	347	0.027	ng	# 1
86) Indeno(1,2,3-cd)pyrene	17.00	276	75951	9.788	ng	# 92
88) Benzo(b)fluoranthene	15.06	252	260657	35.562	ng	99
89) Benzo(k)fluoranthene	15.06	252	260657	37.127	ng	99
90) Benzo(a)pyrene	15.43	252	135285	20.513	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	18944	3.564	ng	95
92) Benzo(g,h,i)perylene	17.45	276	66486	13.258	ng	96

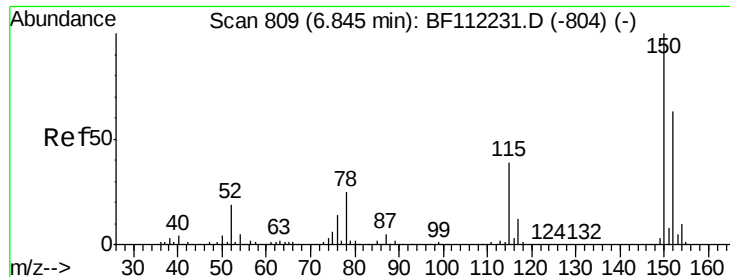
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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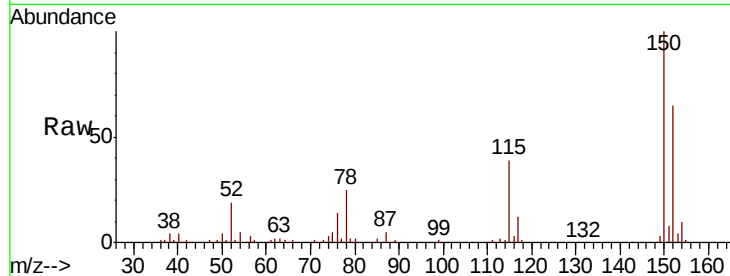


#1

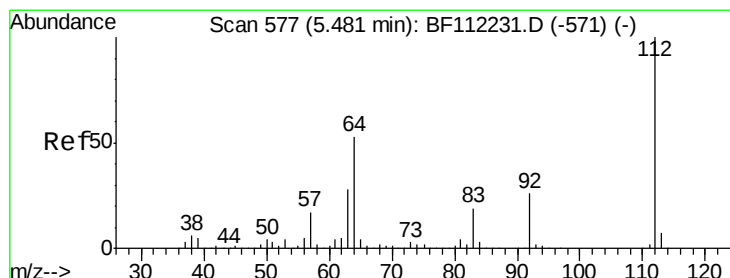
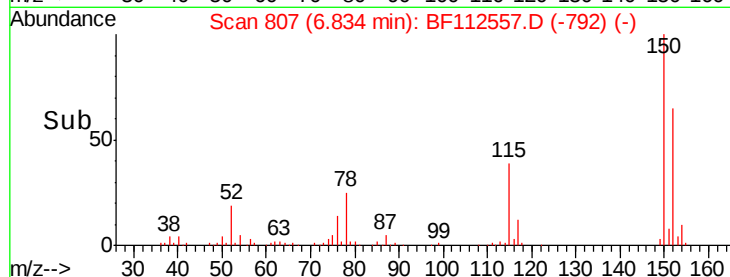
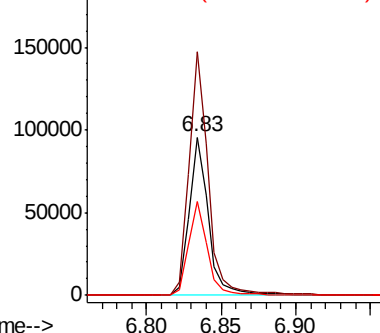
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-021119DL

Tgt Ion:152 Resp: 85810
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.4 191.0
 115 59.4 45.5 68.3



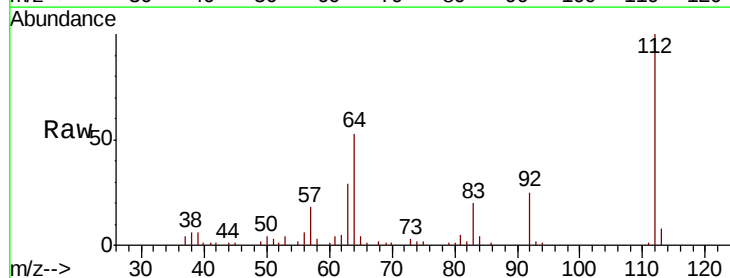
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



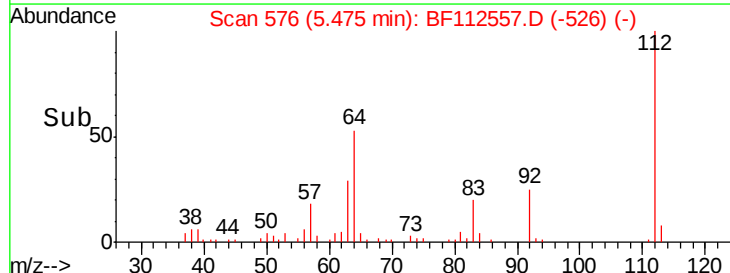
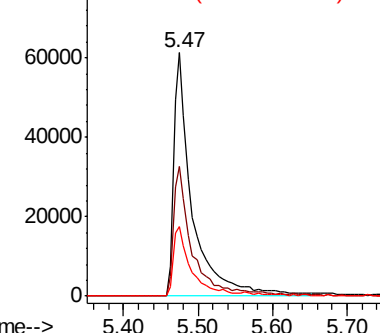
#5

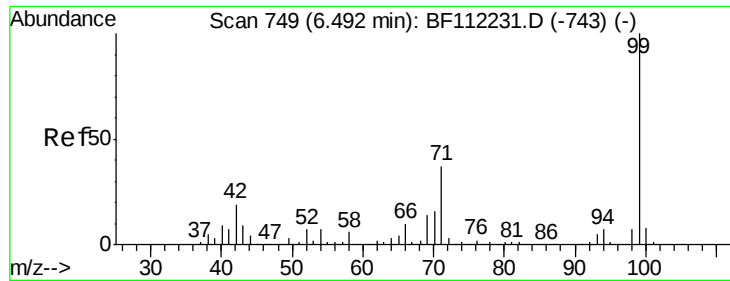
2-Fluorophenol
 Concen: 26.597 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Tgt Ion:112 Resp: 107450
 Ion Ratio Lower Upper
 112 100
 64 53.1 45.7 68.5
 63 28.6 23.6 35.4



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





#7

Phenol-d6

Concen: 24.254 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

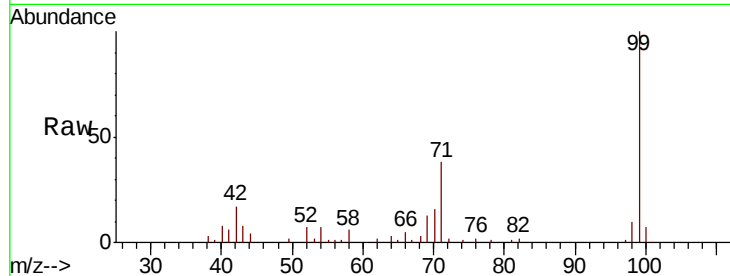
Tgt Ion: 99 Resp: 136153

Ion Ratio Lower Upper

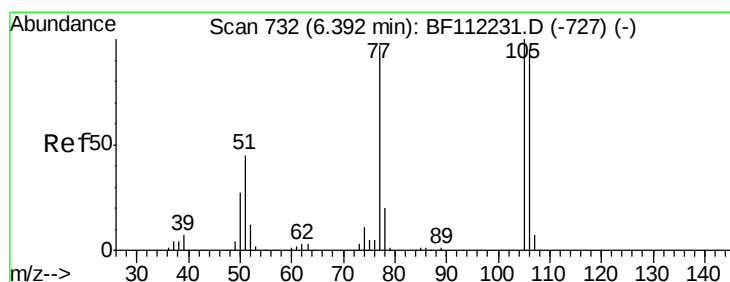
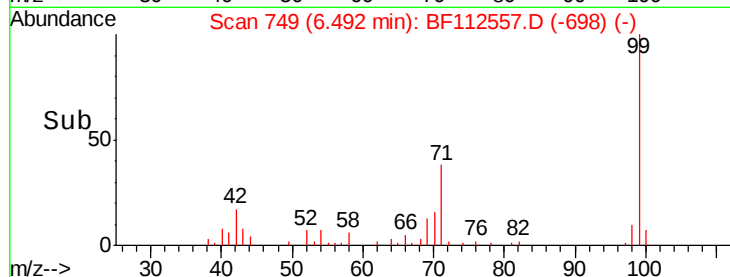
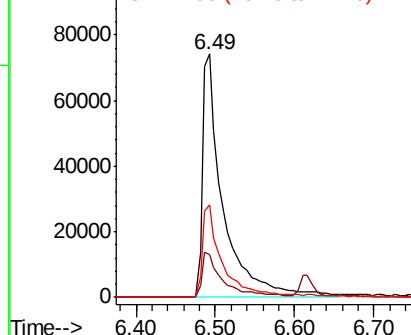
99 100

42 17.3 15.1 22.7

71 37.9 26.9 40.3



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



#9

Benzaldehyde

Concen: 1.006 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

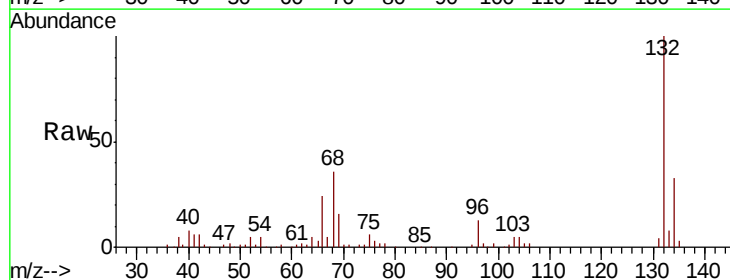
Tgt Ion: 77 Resp: 2952

Ion Ratio Lower Upper

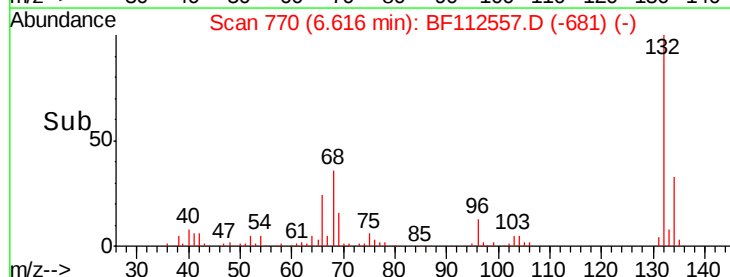
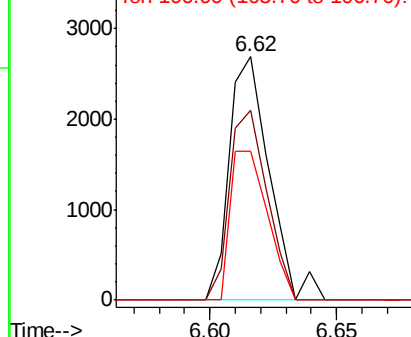
77 100

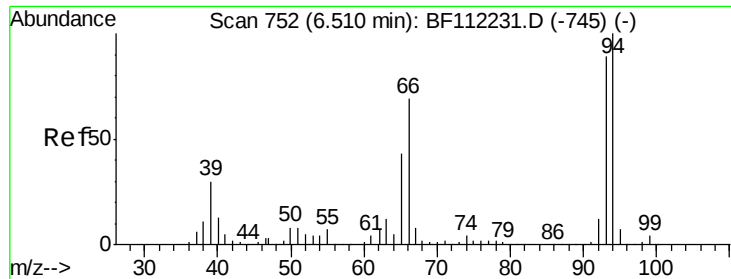
105 78.0 80.8 120.8#

106 61.2 75.7 115.7#



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: 0.261 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112557.D

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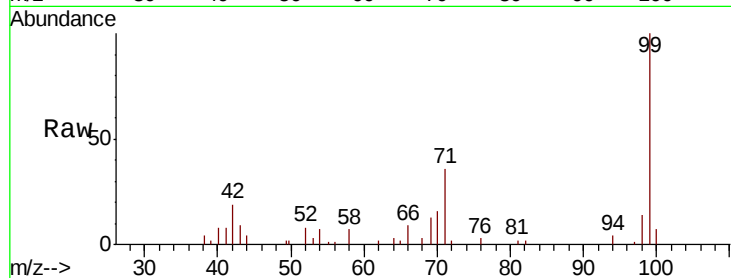
Tgt Ion: 94 Resp: 1606

Ion Ratio Lower Upper

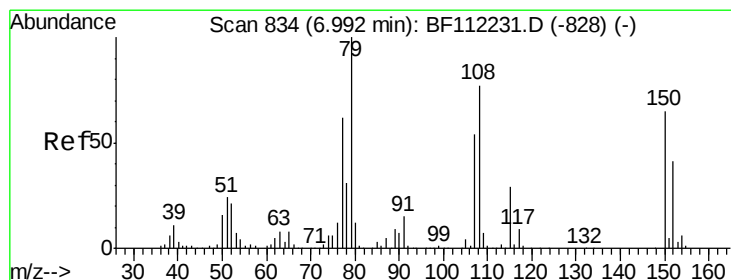
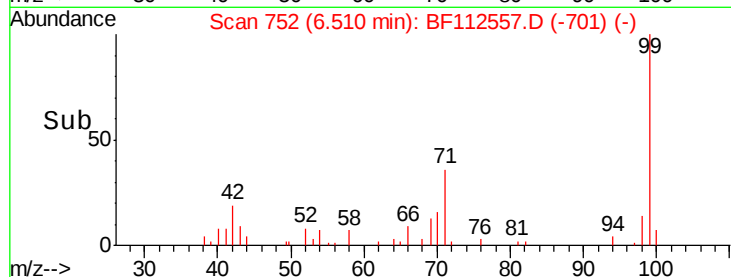
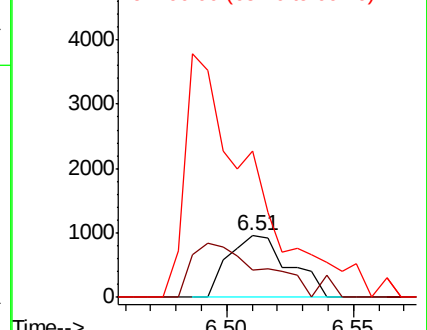
94 100

65 44.2 20.3 60.3

66 237.5 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 0.355 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

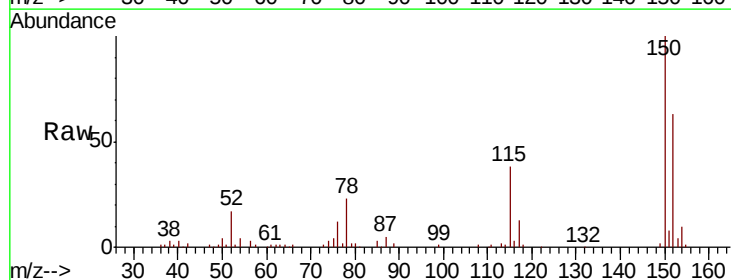
Tgt Ion: 79 Resp: 1678

Ion Ratio Lower Upper

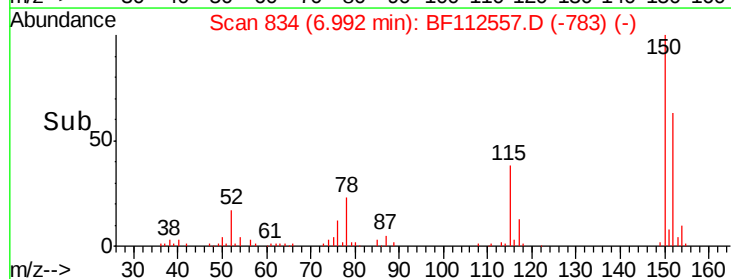
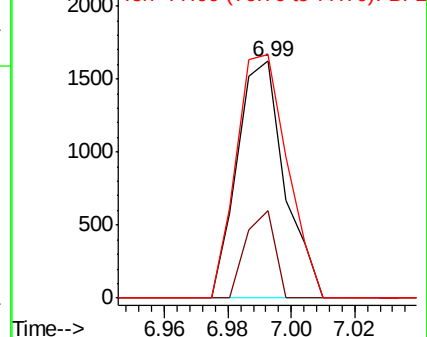
79 100

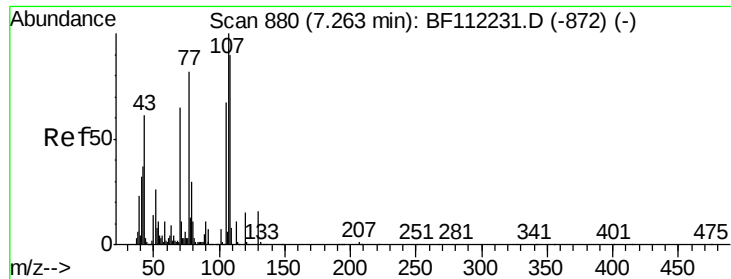
108 36.8 64.2 96.2#

77 102.9 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

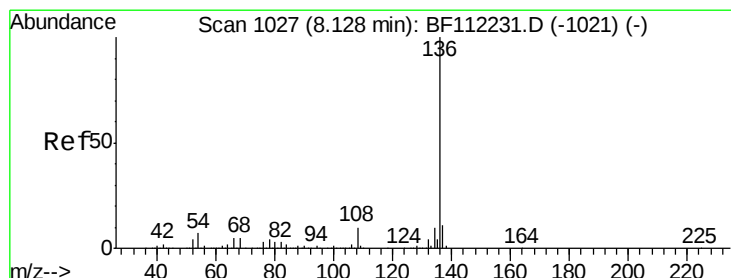
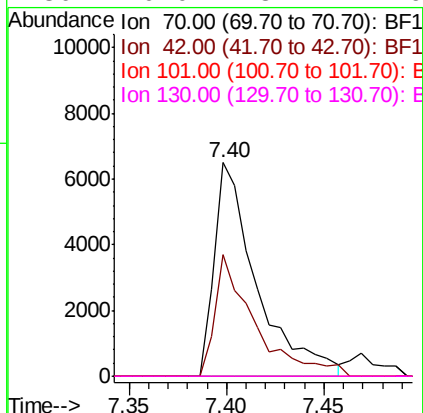
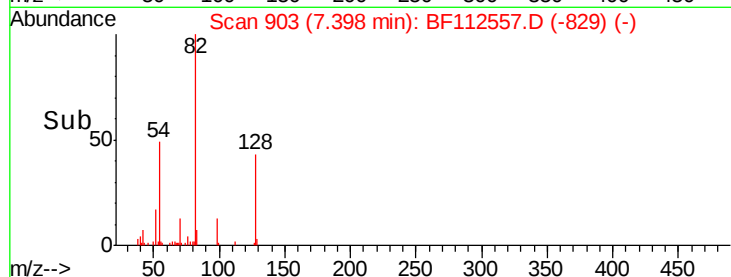
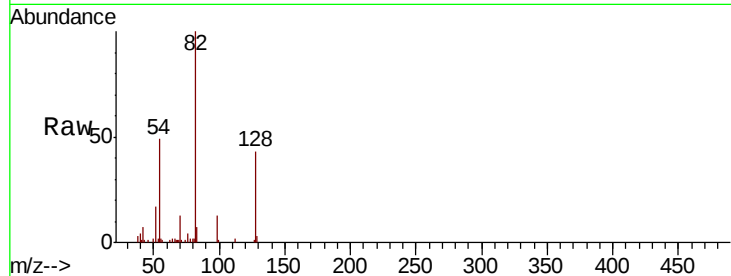




#19
n-Nitroso-di-n-propylamine
Concen: 2.527 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

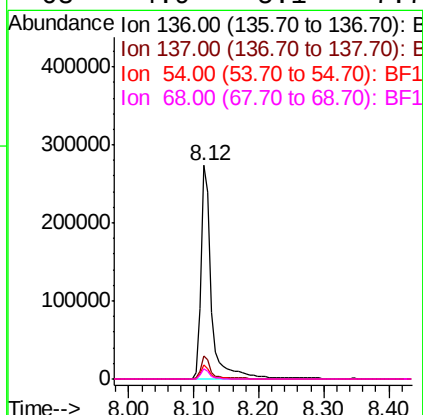
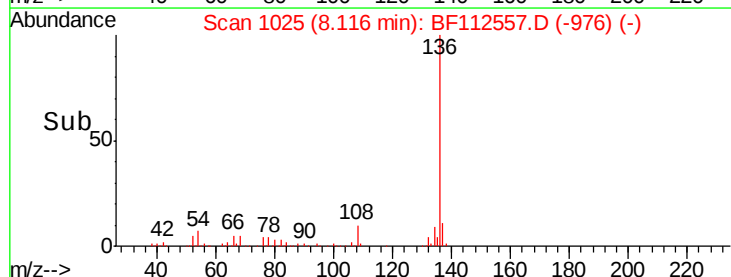
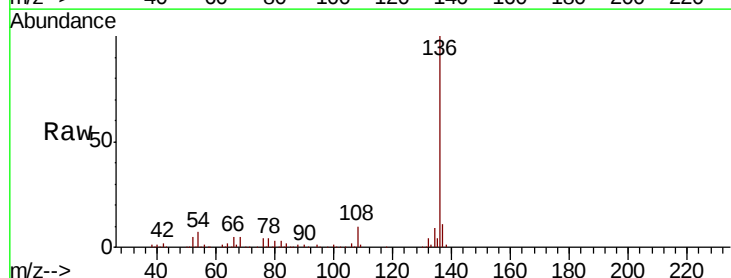
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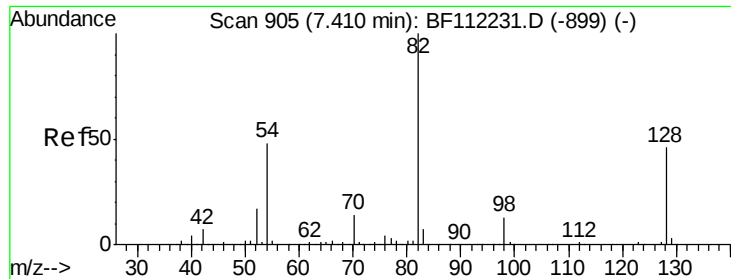
Tgt Ion: 70 Resp: 9780
Ion Ratio Lower Upper
70 100
42 56.8 47.6 71.4
101 0.0 7.9 11.9#
130 0.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion: 136 Resp: 309493
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.8 5.9 8.9
68 4.9 5.1 7.7#

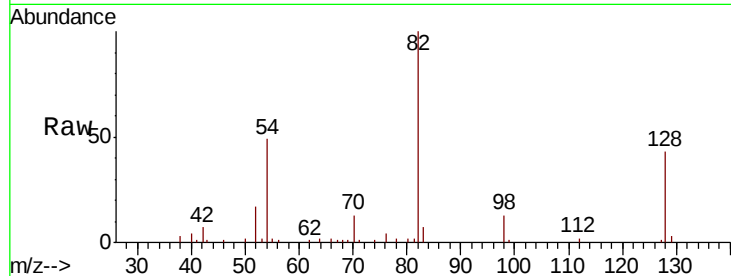




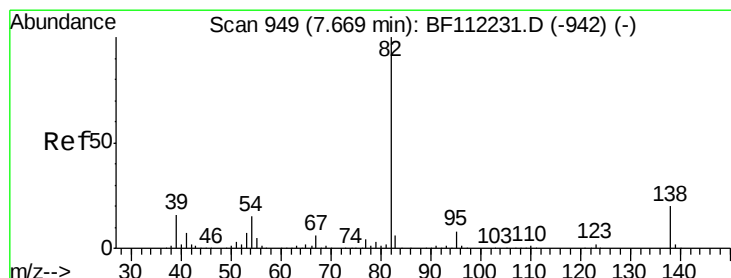
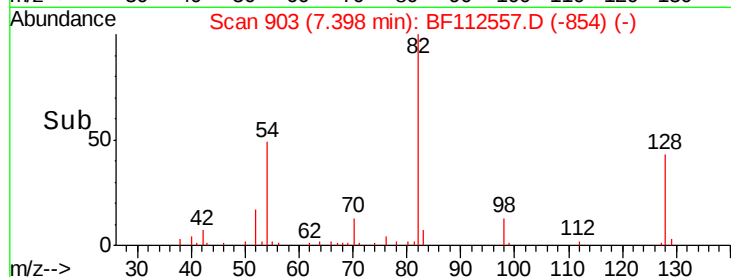
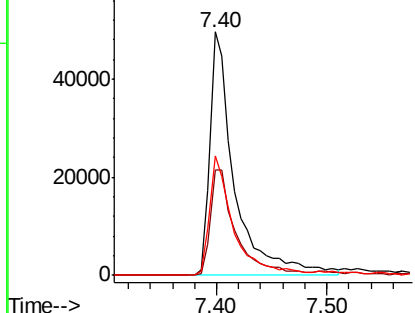
#23
 Nitrobenzene-d5
 Concen: 14.188 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112557.D
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.8	56.8
54	48.8	39.7	59.5

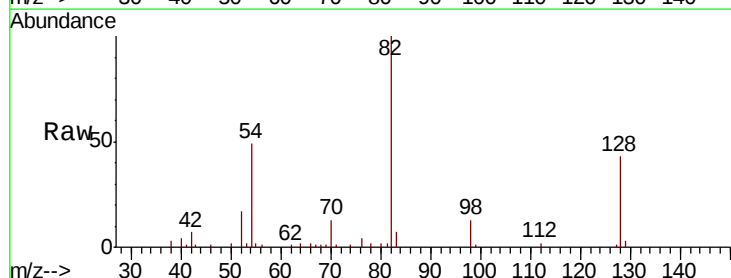


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

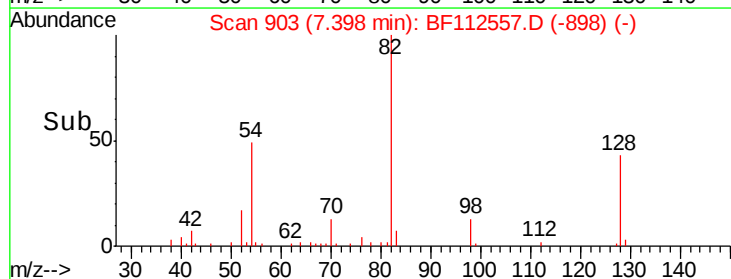
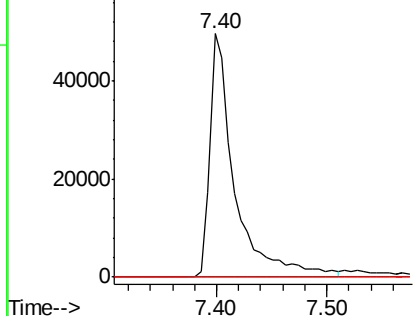


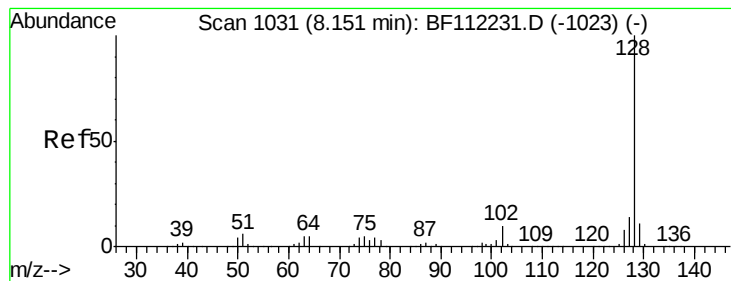
#25
 Isophorone
 Concen: 9.044 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 0.178 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

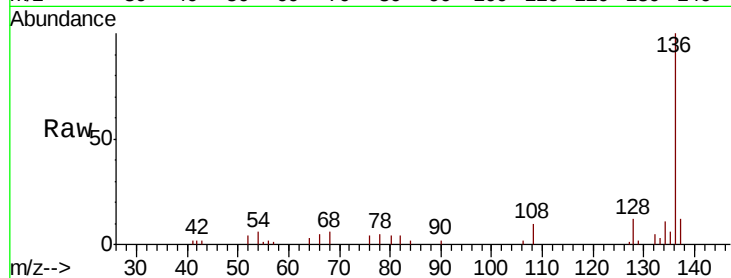
Tgt Ion:128 Resp: 2571

Ion Ratio Lower Upper

128 100

129 13.8 9.6 14.4

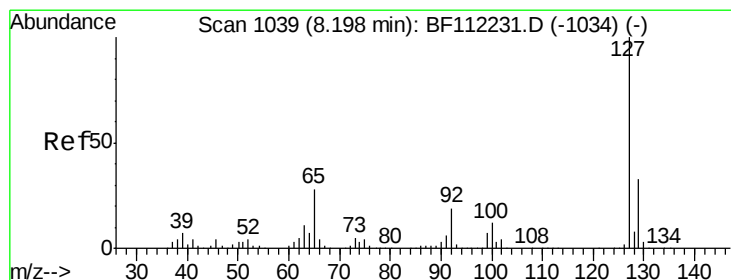
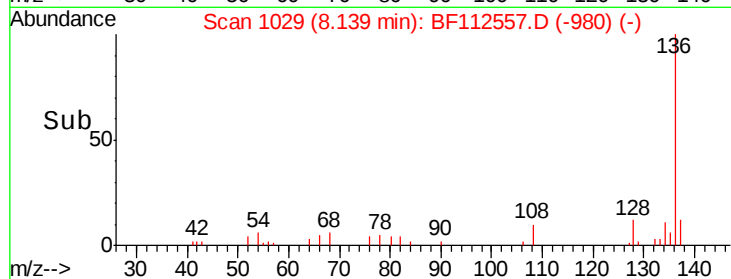
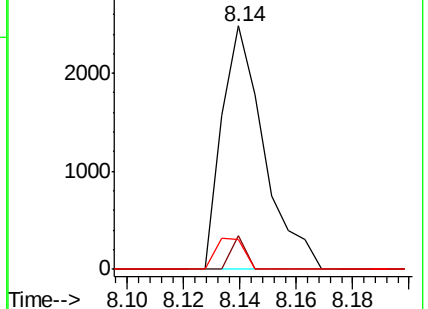
127 12.4 11.1 16.7



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



#33

4-Chloroaniline

Concen: 0.035 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.06 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Tgt Ion:127 Resp: 222

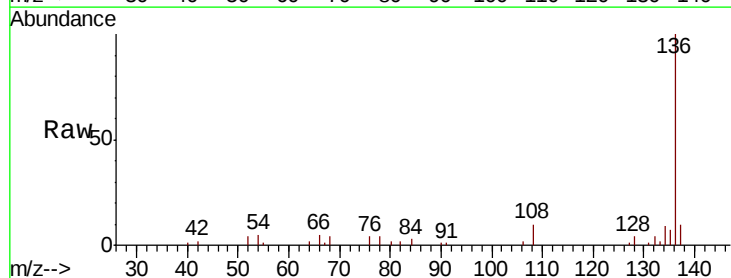
Ion Ratio Lower Upper

127 100

129 0.0 26.6 39.8#

65 0.0 21.4 32.2#

92 0.0 14.2 21.2#

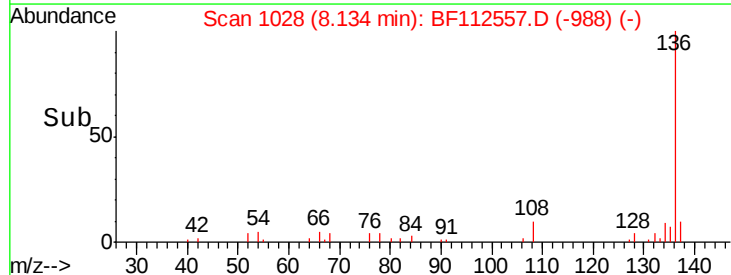
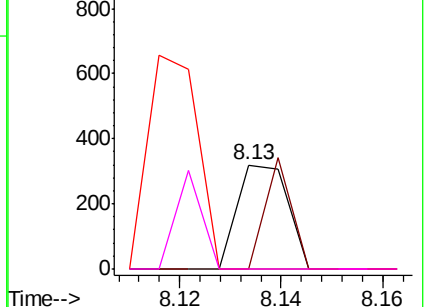


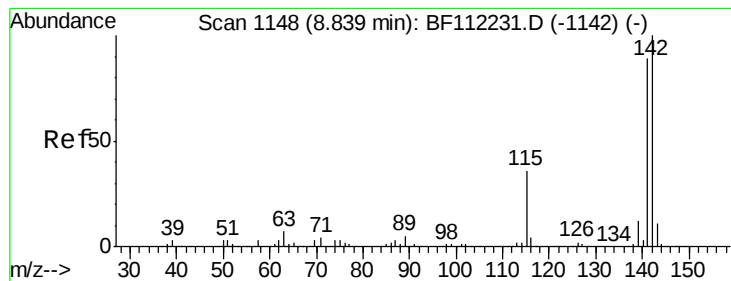
Abundance Ion 127.00 (126.70 to 127.70): E

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: 0.121 ng

RT: 8.84 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

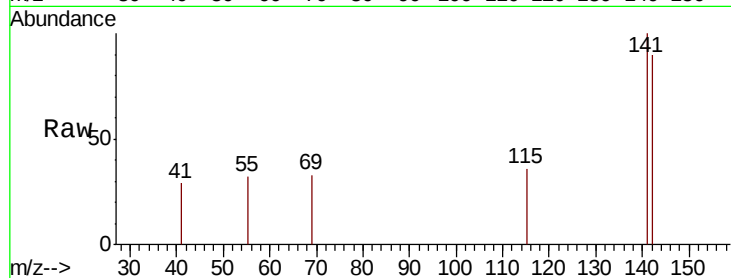
Tgt Ion:142 Resp: 1199

Ion Ratio Lower Upper

142 100

141 110.6 70.9 106.3#

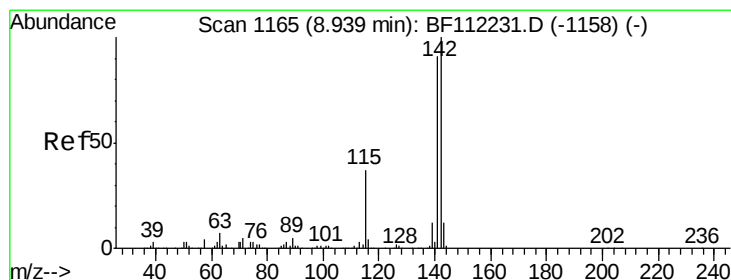
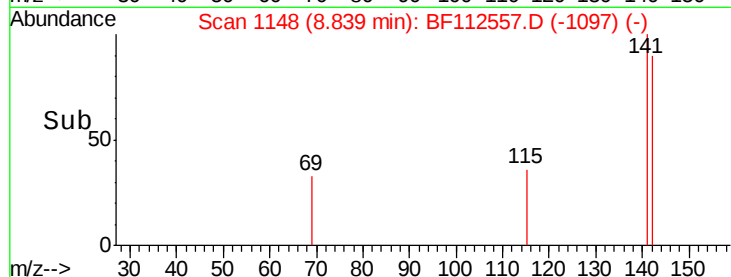
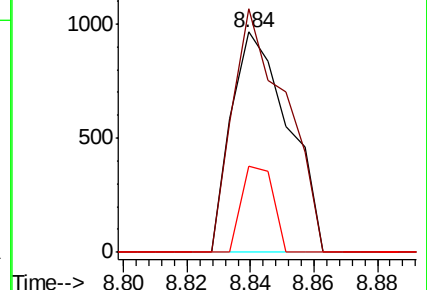
115 39.3 24.9 37.3#



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: 0.204 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

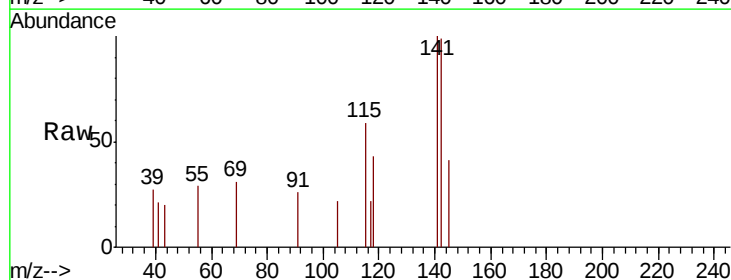
Tgt Ion:142 Resp: 1942

Ion Ratio Lower Upper

142 100

141 100.7 72.6 108.8

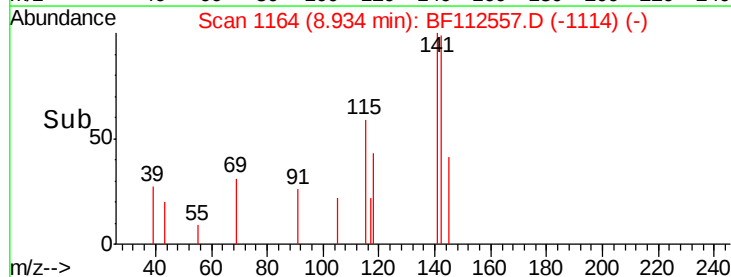
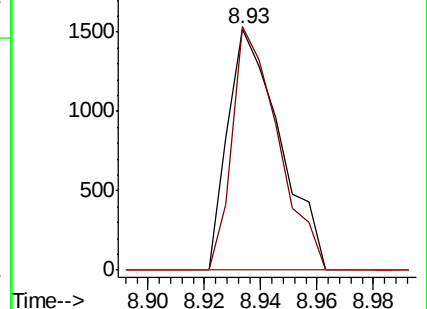
116 0.0 2.8 4.2#

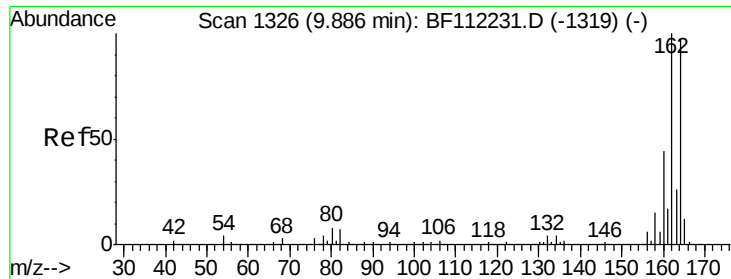


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

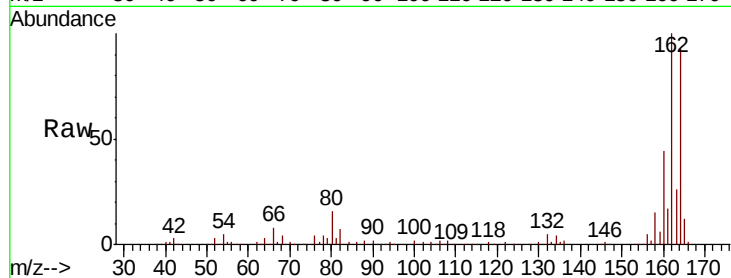
Tgt Ion:164 Resp: 121593

Ion Ratio Lower Upper

164 100

162 107.1 82.2 123.4

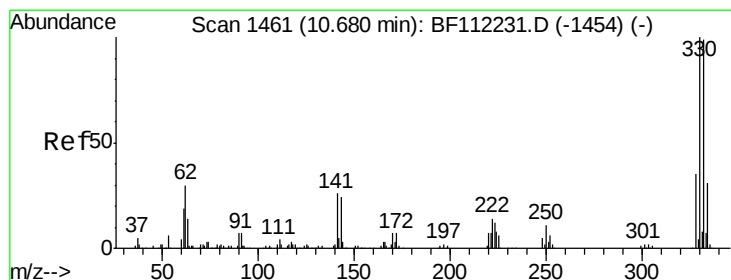
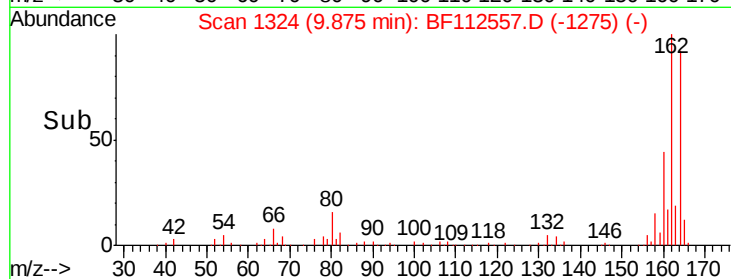
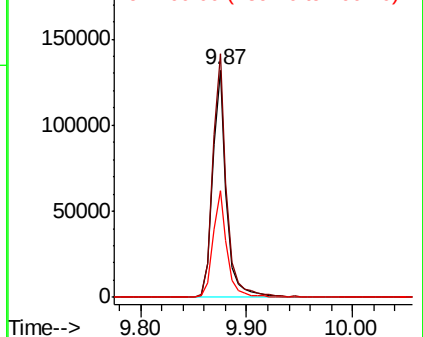
160 46.7 36.2 54.4



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



#42

2,4,6-Tribromophenol

Concen: 19.120 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

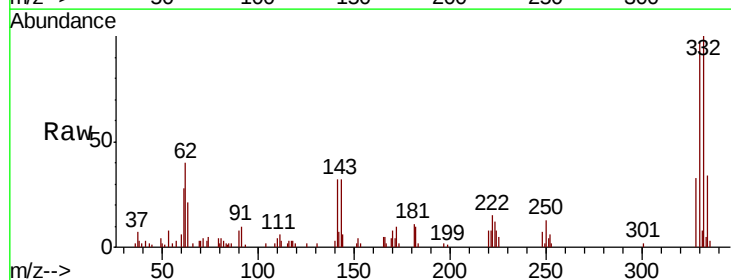
Tgt Ion:330 Resp: 27061

Ion Ratio Lower Upper

330 100

332 99.5 76.6 114.8

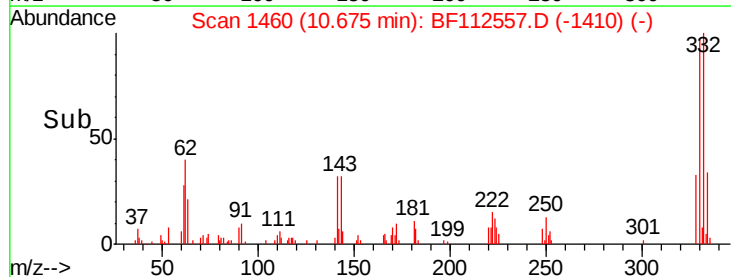
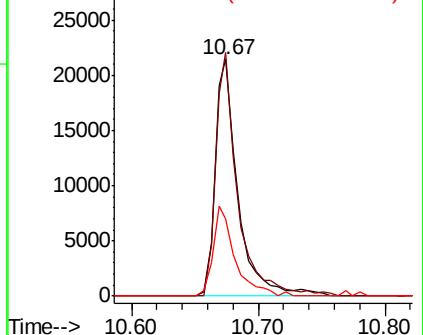
141 36.3 24.3 36.5

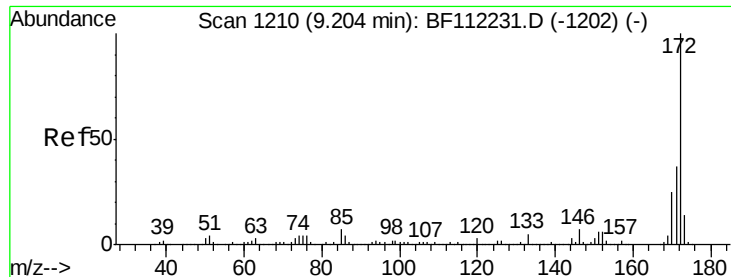


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

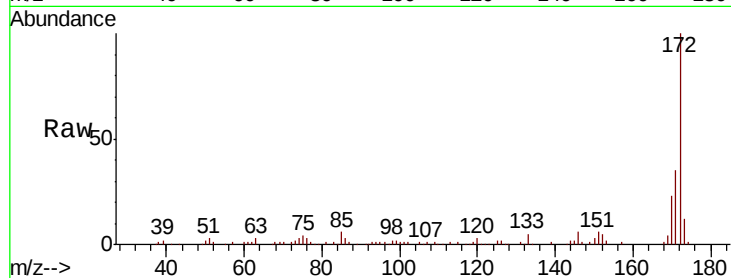




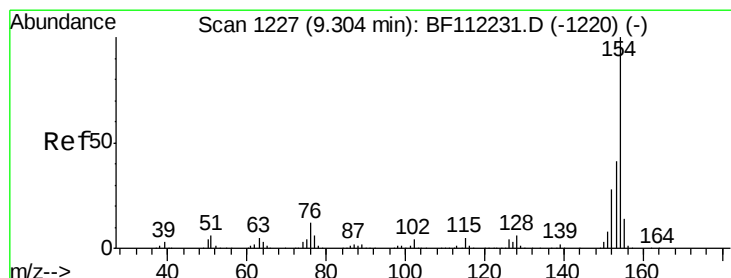
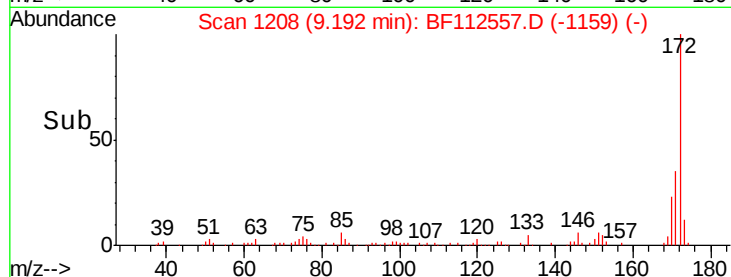
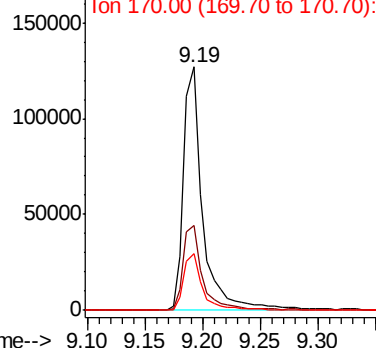
#45
2-Fluorobiphenyl
Concen: 17.085 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tgt Ion:172 Resp: 146884
Ion Ratio Lower Upper
172 100
171 34.9 30.5 45.7
170 23.4 20.2 30.4

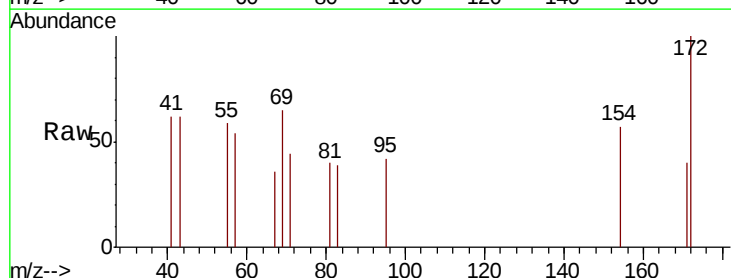


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

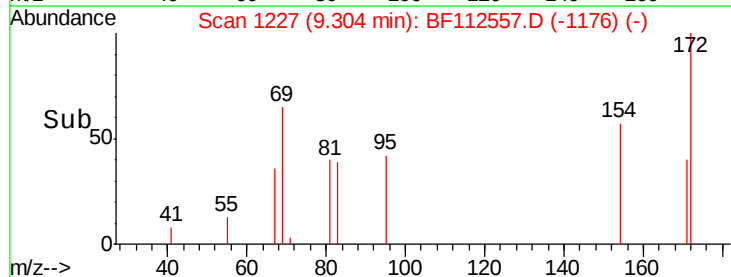
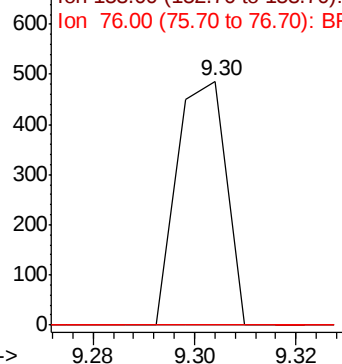


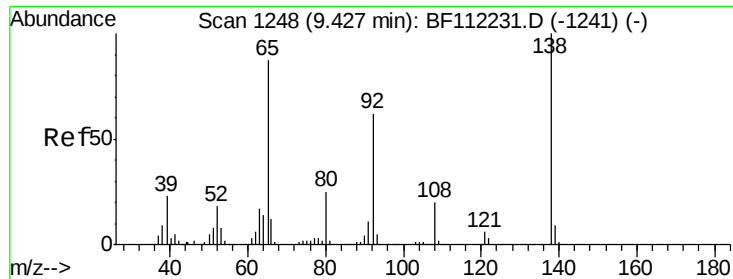
#46
1,1'-Biphenyl
Concen: 0.031 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion:154 Resp: 330
Ion Ratio Lower Upper
154 100
153 0.0 21.5 61.5#
76 0.0 0.0 33.1



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

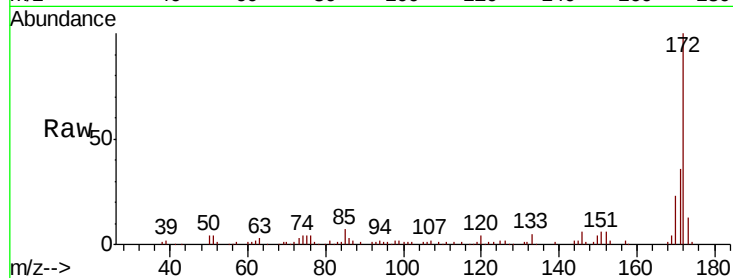




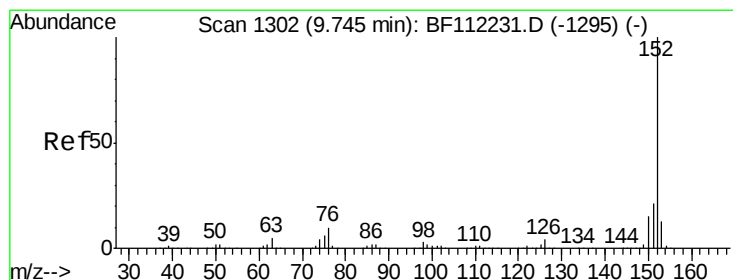
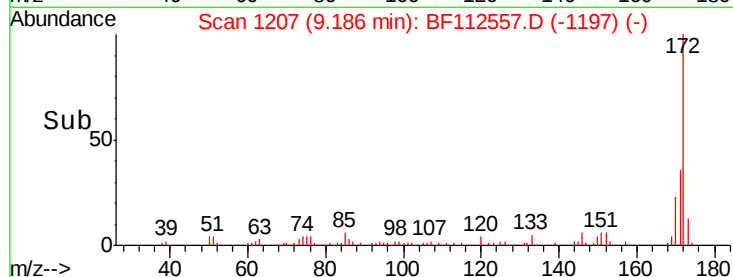
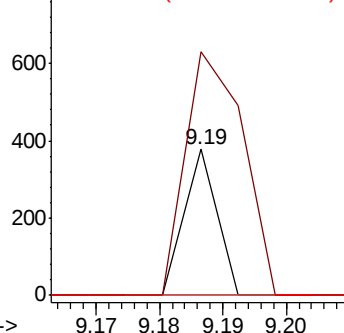
#48
2-Nitroaniline
Concen: 0.059 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.24 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tgt Ion: 65 Resp: 133
Ion Ratio Lower Upper
65 100
92 167.1 60.4 90.6#
138 0.0 104.4 156.6#

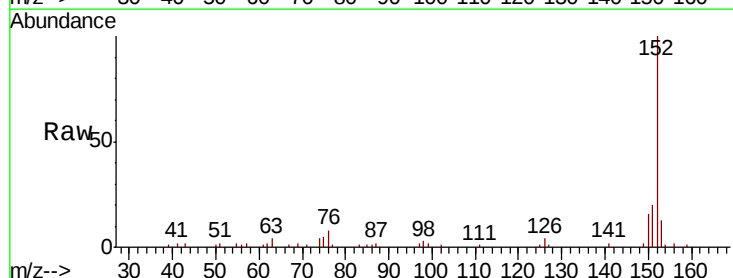


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

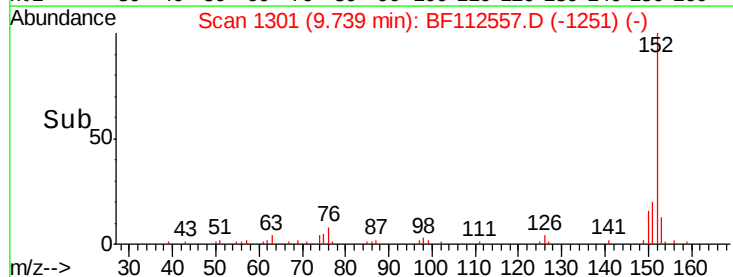
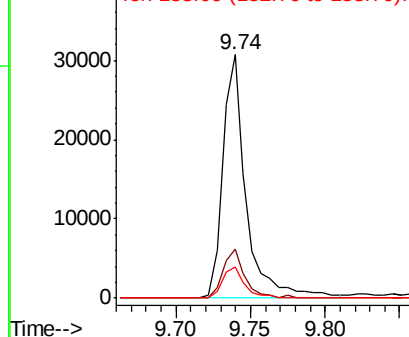


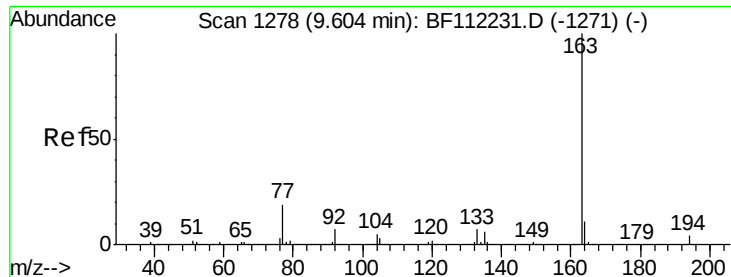
#49
Acenaphthylene
Concen: 2.783 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion: 152 Resp: 33623
Ion Ratio Lower Upper
152 100
151 20.1 17.0 25.6
153 12.7 11.2 16.8



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

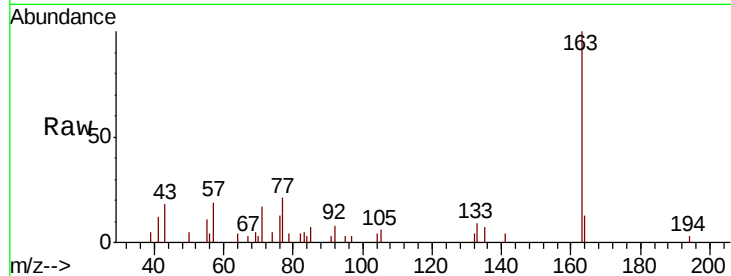




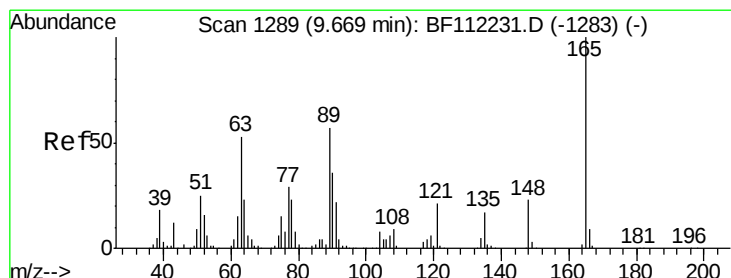
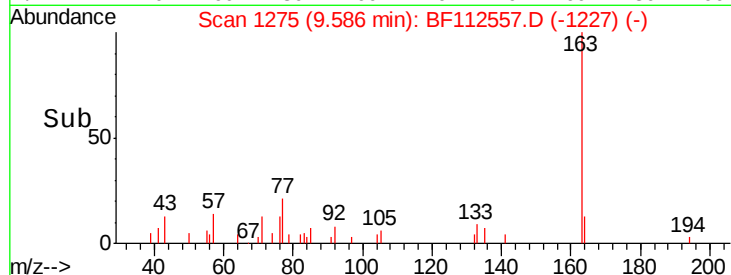
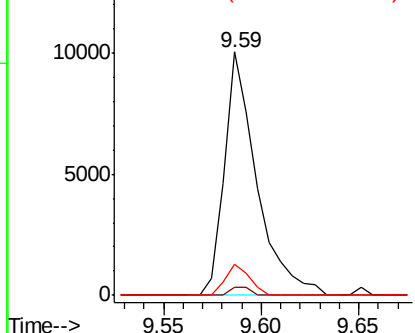
#50
Dimethylphthalate
Concen: 1.219 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tgt Ion:163 Resp: 11516
Ion Ratio Lower Upper
163 100
194 3.3 3.3 4.9
164 13.0 8.5 12.7#

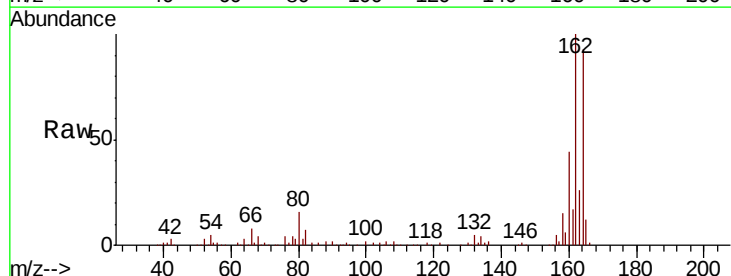


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

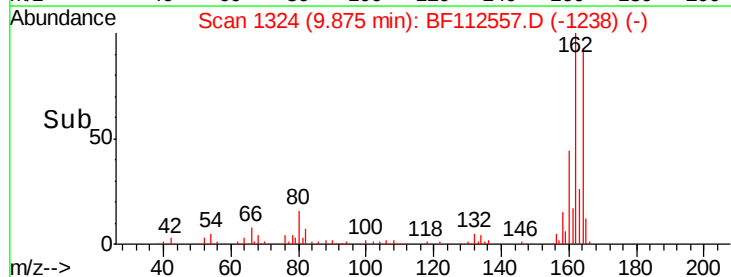
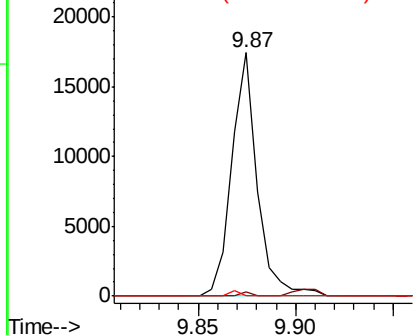


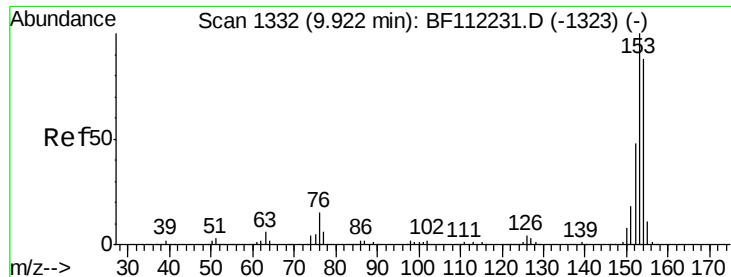
#51
2,6-Dinitrotoluene
Concen: 7.460 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion:165 Resp: 15783
Ion Ratio Lower Upper
165 100
63 1.8 33.8 50.8#
89 0.0 36.9 55.3#



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: 0.640 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

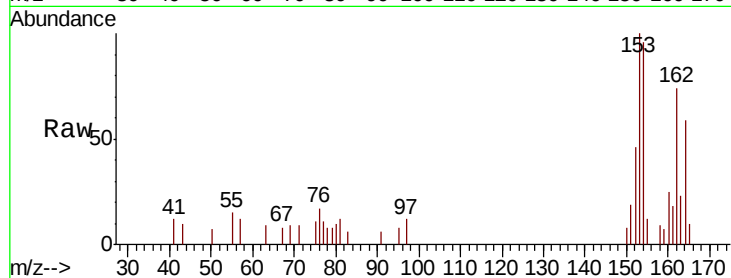
Tgt Ion:154 Resp: 4616

Ion Ratio Lower Upper

154 100

153 104.0 89.8 134.6

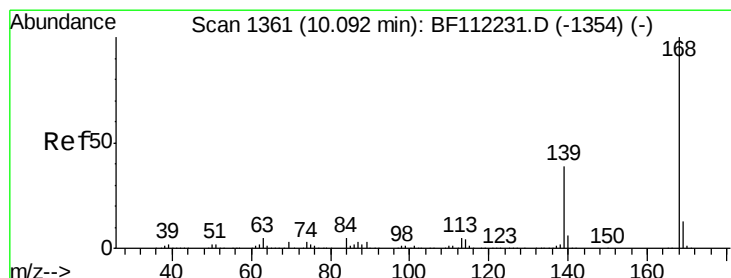
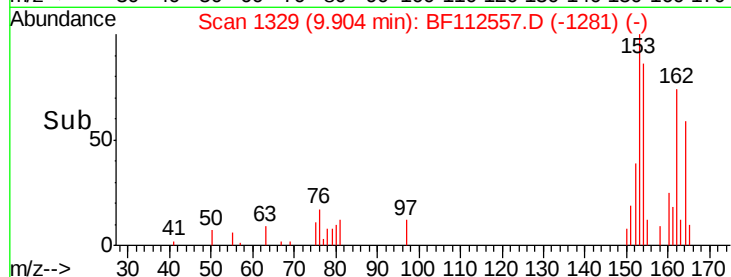
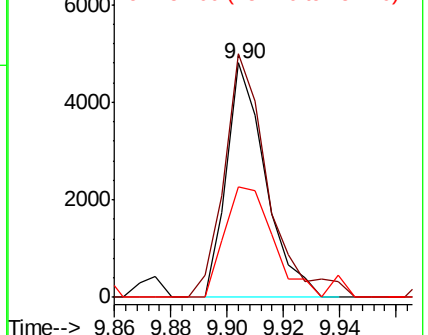
152 47.3 43.5 65.3



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



#55

Dibenzofuran

Concen: 0.690 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

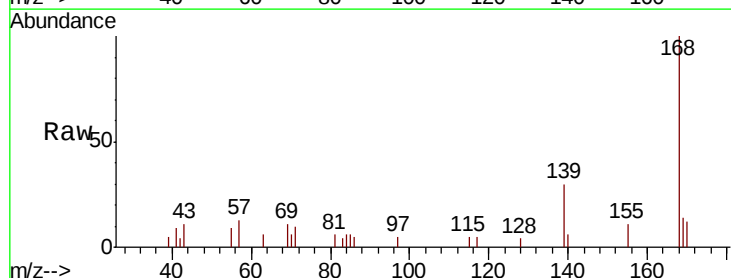
Tgt Ion:168 Resp: 7614

Ion Ratio Lower Upper

168 100

139 30.0 29.2 43.8

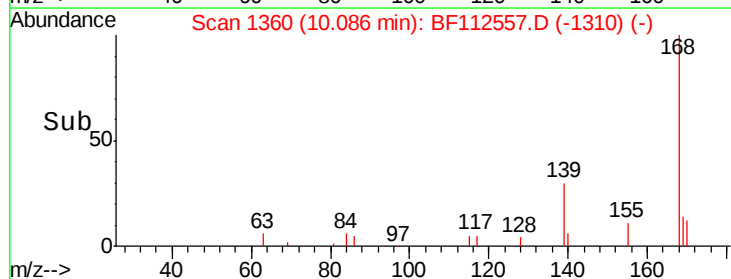
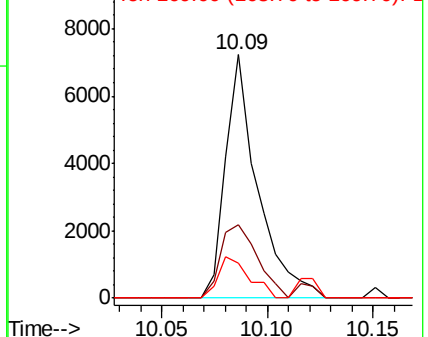
169 14.3 11.4 17.0

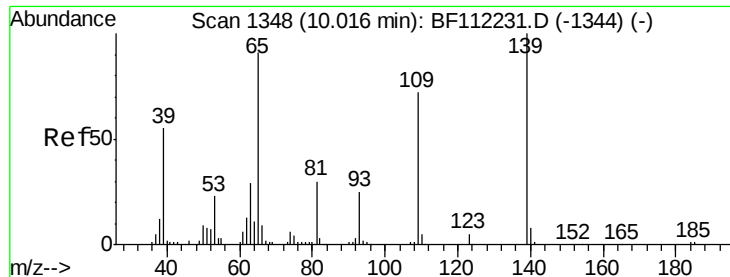


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

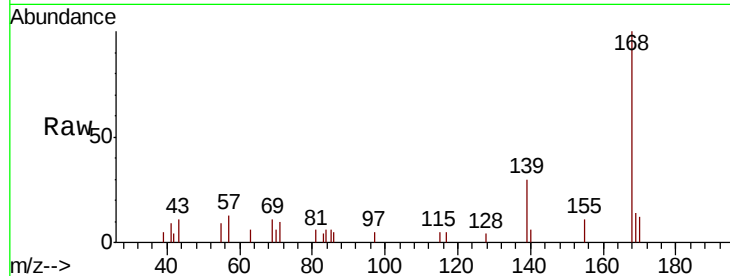




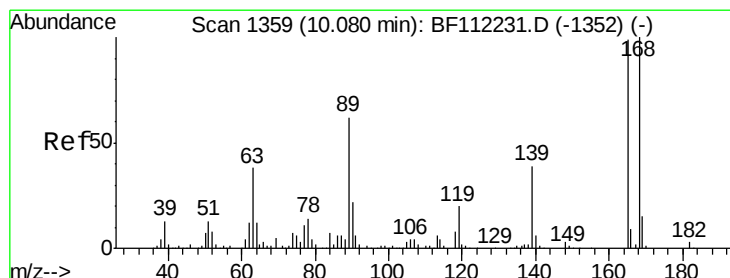
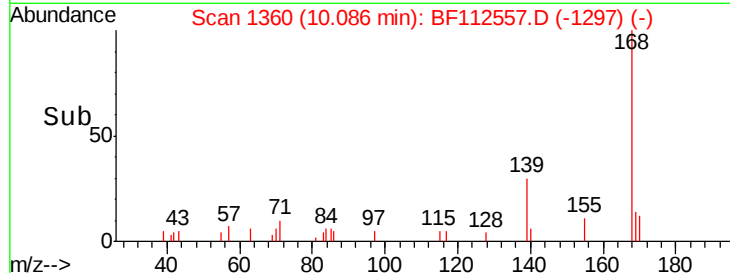
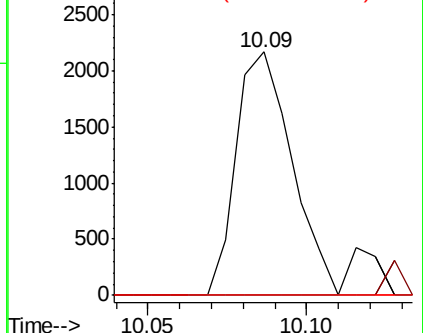
#56
4-Nitrophenol
Concen: 2.180 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.07 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tgt Ion:139 Resp: 2642
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.1 106.1#

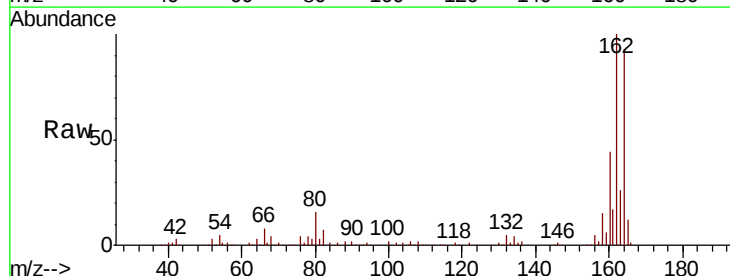


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

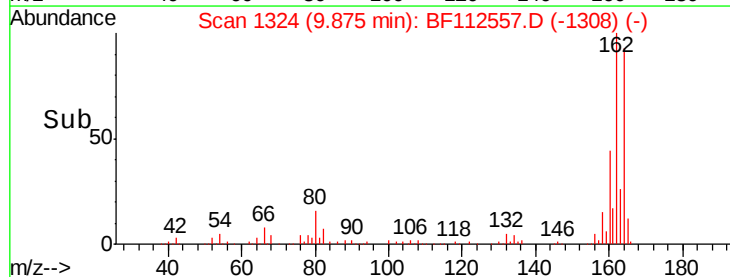
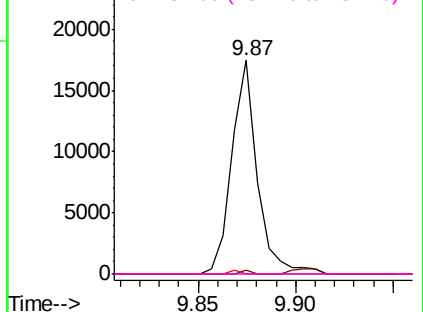


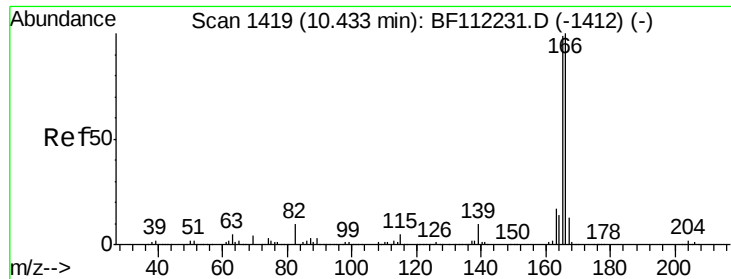
#57
2,4-Dinitrotoluene
Concen: 5.860 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.21 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion:165 Resp: 15783
Ion Ratio Lower Upper
165 100
63 1.8 27.9 41.9#
89 0.0 47.9 71.9#
182 0.0 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.316 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

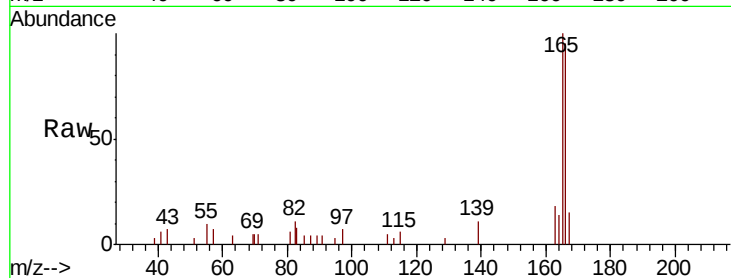
Tgt Ion:166 Resp: 10866

Ion Ratio Lower Upper

166 100

165 105.4 77.1 115.7

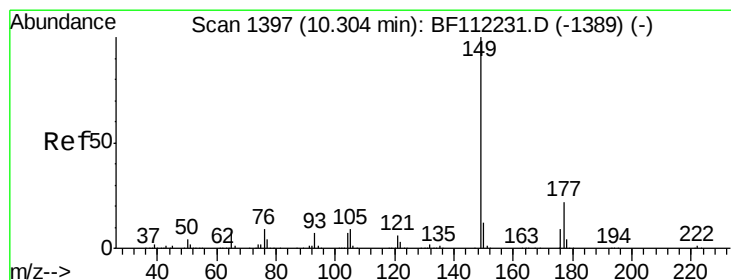
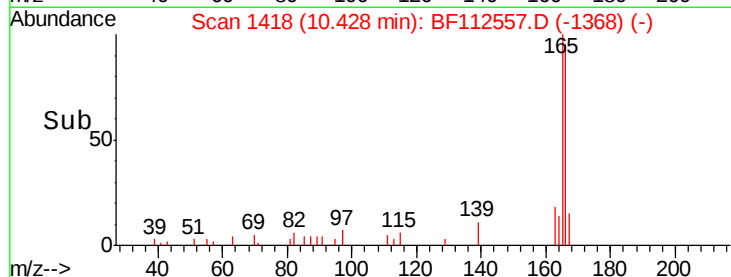
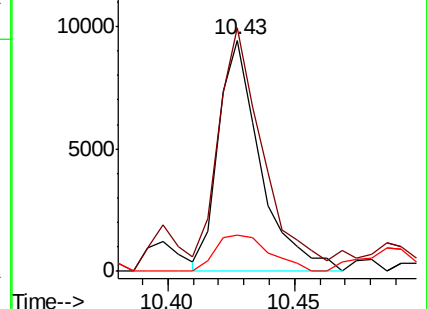
167 15.8 11.3 16.9



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



#60

Diethylphthalate

Concen: 0.026 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

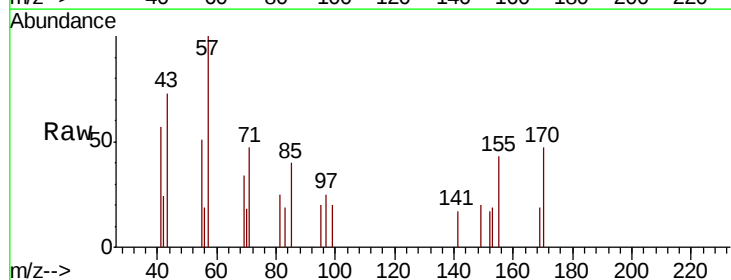
Tgt Ion:149 Resp: 246

Ion Ratio Lower Upper

149 100

177 0.0 18.2 27.2#

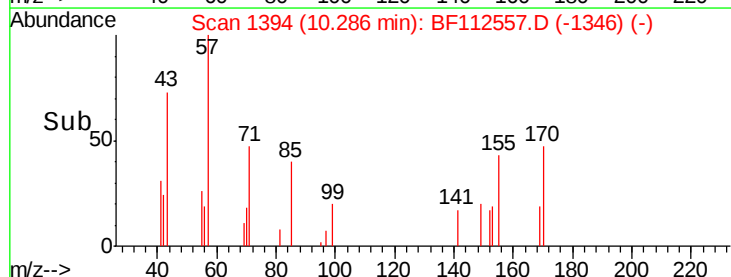
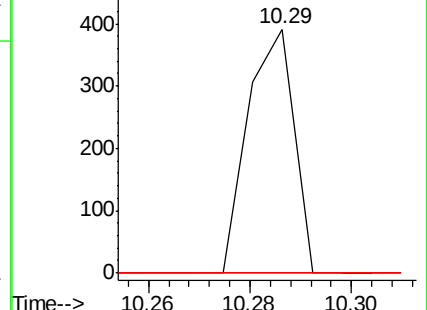
150 0.0 10.4 15.6#

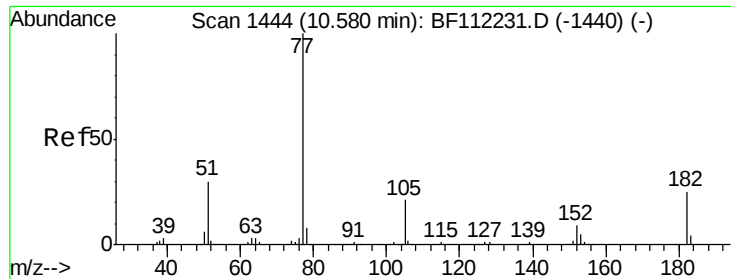


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

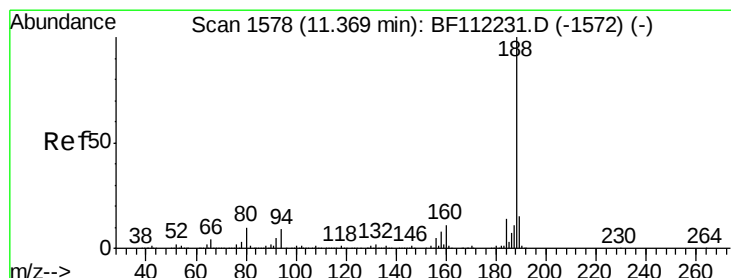
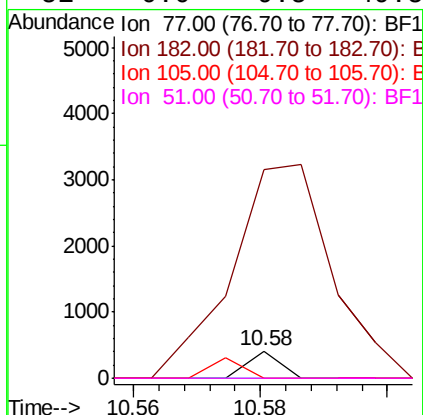
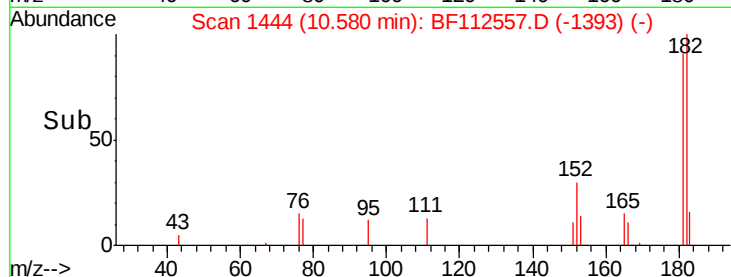
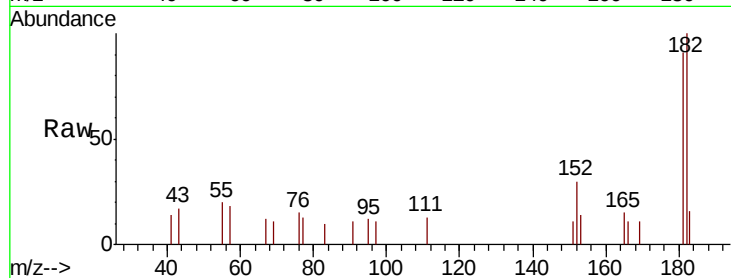




#63
Azobenzene
Concen: 0.018 ng
RT: 10.58 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

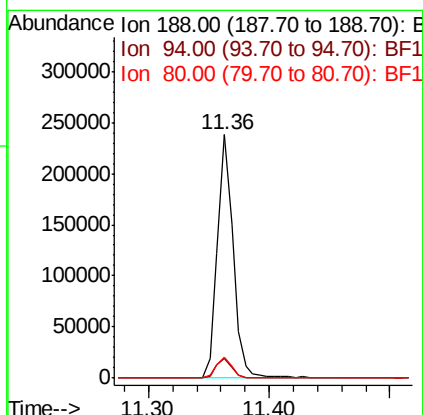
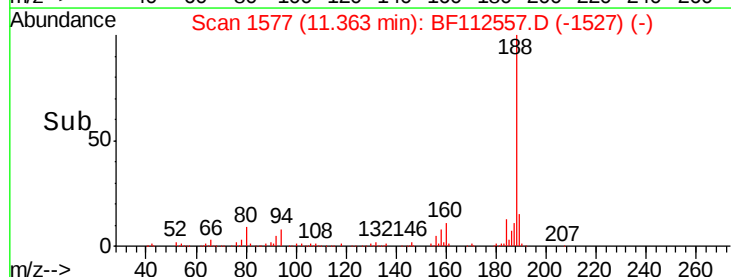
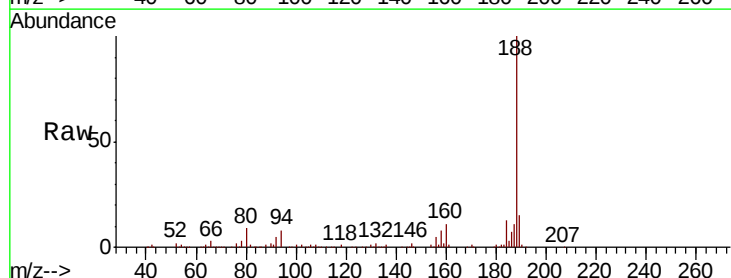
Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

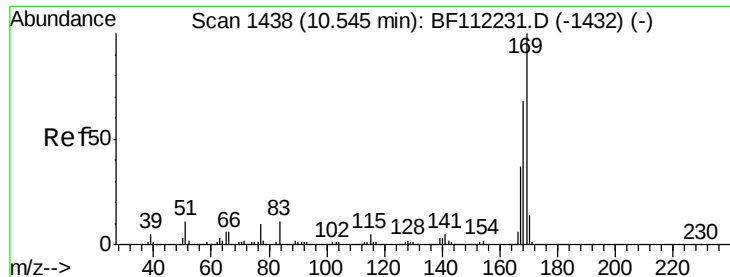
Tgt Ion: 77 Resp: 146
Ion Ratio Lower Upper
77 100
182 761.1 5.7 45.7#
105 0.0 1.4 41.4#
51 0.0 9.5 49.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion: 188 Resp: 213397
Ion Ratio Lower Upper
188 100
94 7.9 8.2 12.2#
80 8.8 8.9 13.3#

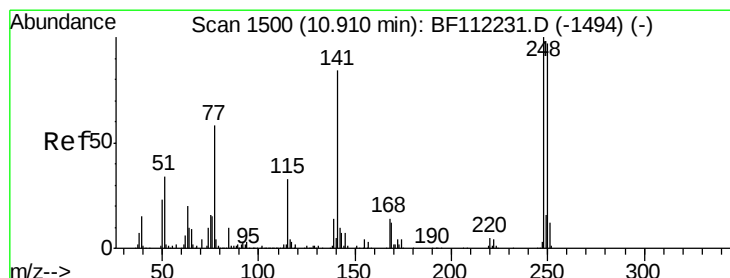
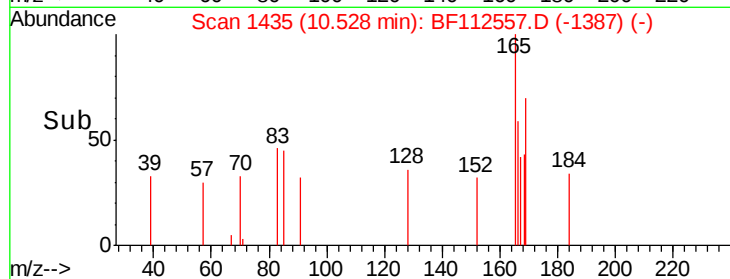
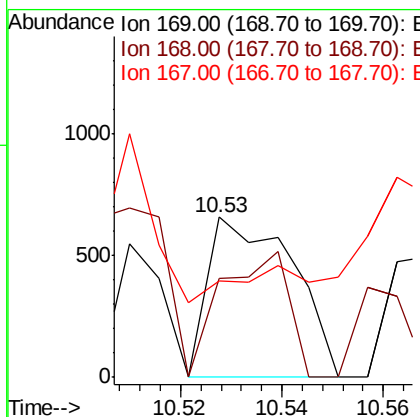
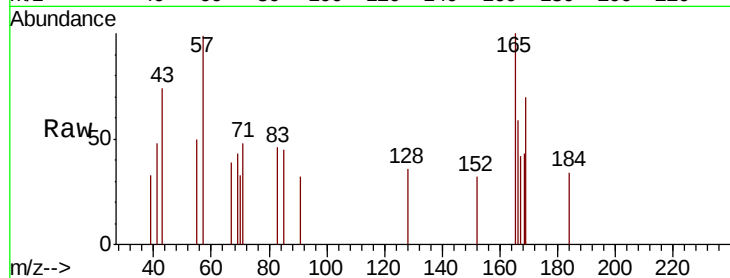




#66
 n-Nitrosodiphenylamine
 Concen: 0.106 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

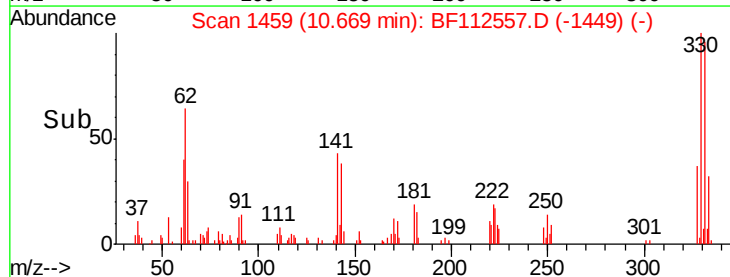
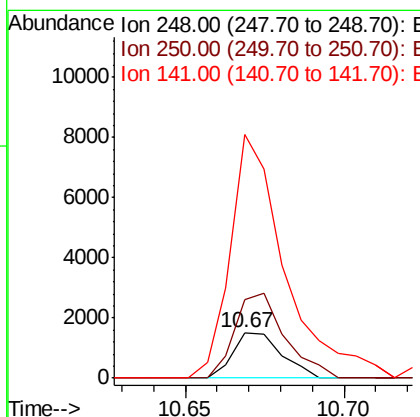
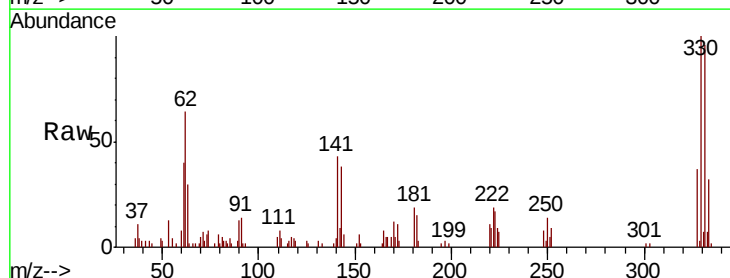
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-021119DL

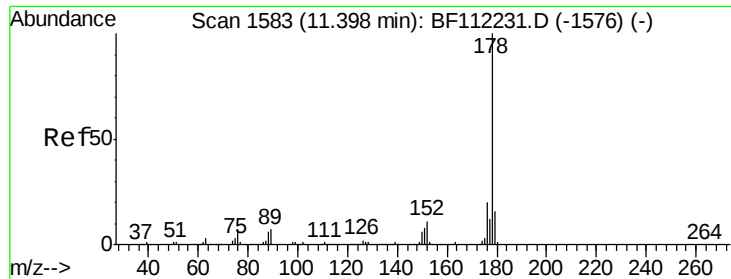
Tgt Ion:169 Resp: 759
 Ion Ratio Lower Upper
 169 100
 168 61.7 53.9 80.9
 167 60.7 28.9 43.3#



#67
 4-Bromophenyl-phenylether
 Concen: 0.639 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Tgt Ion:248 Resp: 1605
 Ion Ratio Lower Upper
 248 100
 250 172.1 79.7 119.5#
 141 534.9 60.3 90.5#

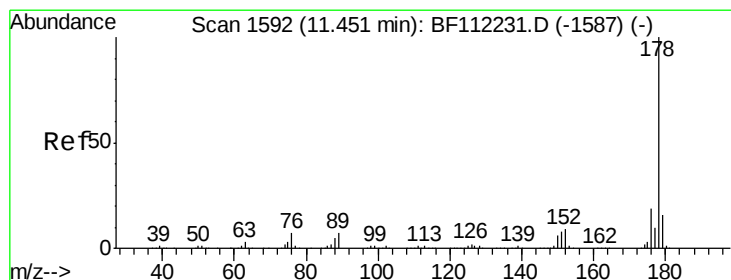
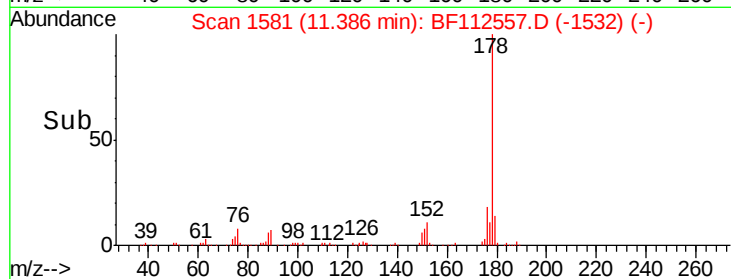
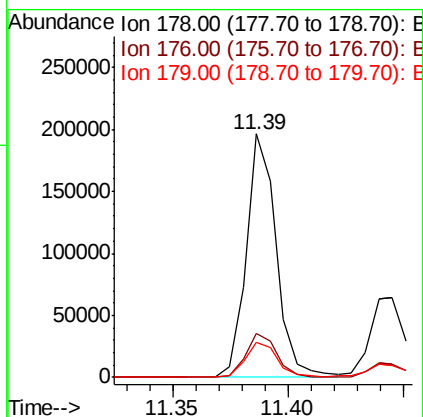
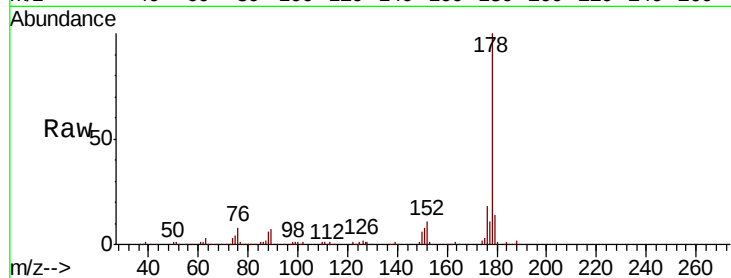




#71
Phenanthrene
Concen: 16.044 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

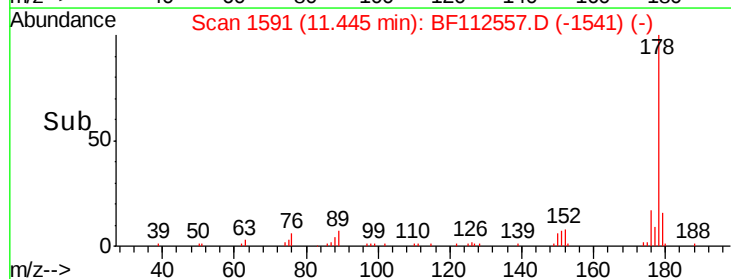
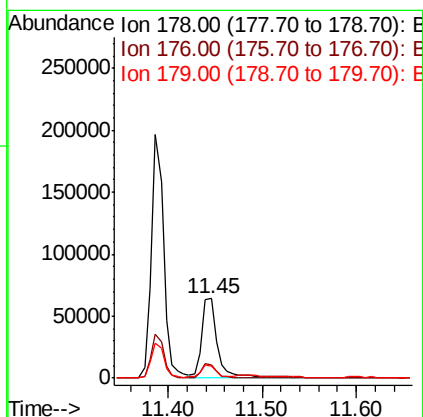
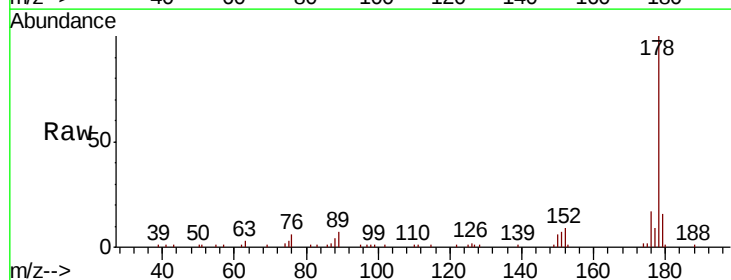
Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

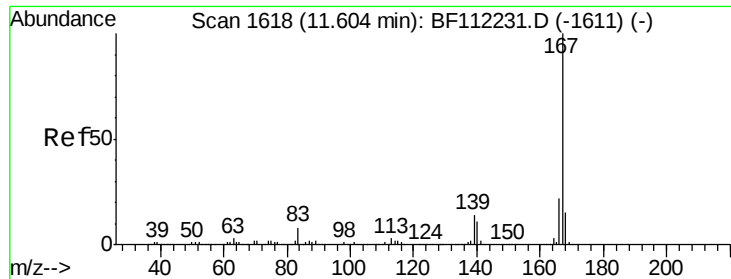
Tgt Ion:178 Resp: 178001
Ion Ratio Lower Upper
178 100
176 18.0 16.3 24.5
179 14.2 13.0 19.4



#72
Anthracene
Concen: 6.865 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion:178 Resp: 75872
Ion Ratio Lower Upper
178 100
176 16.9 15.5 23.3
179 15.6 12.8 19.2

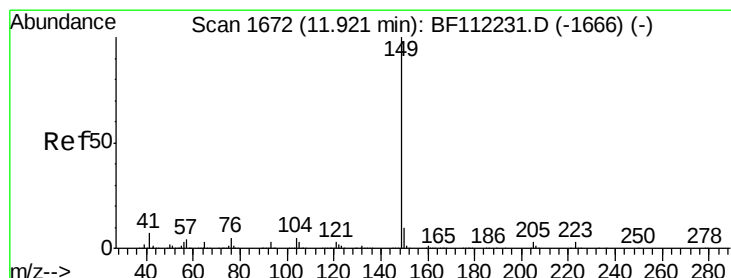
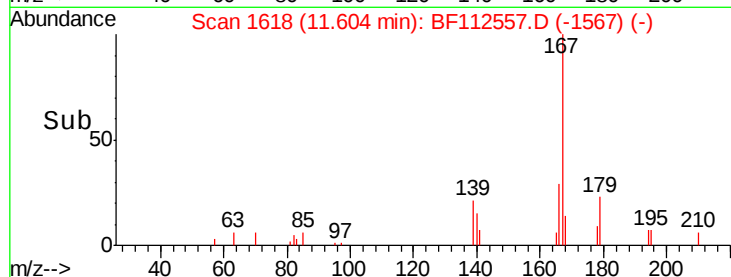
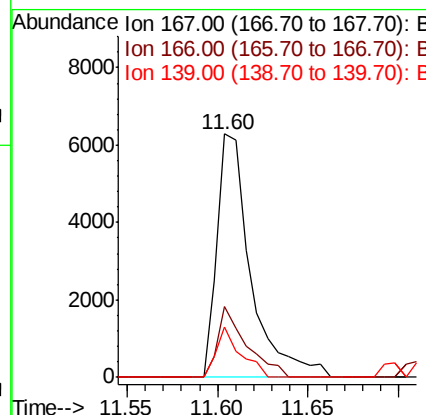
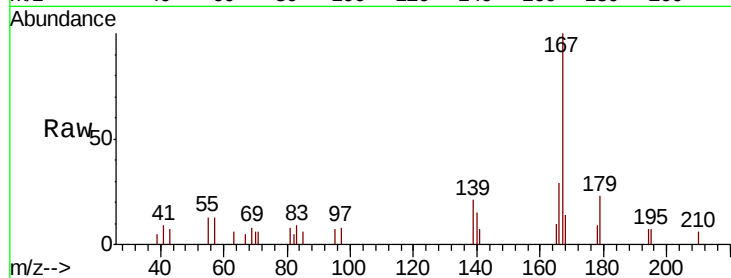




#73
 Carbazole
 Concen: 0.749 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

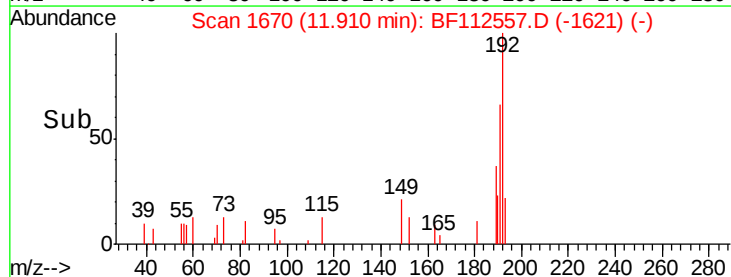
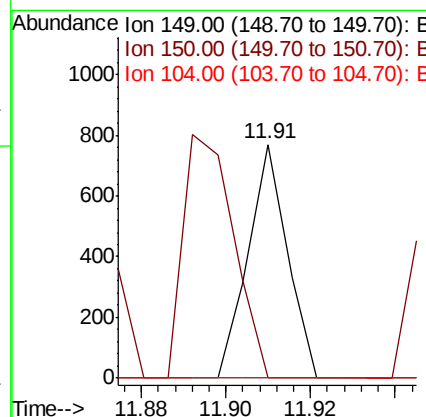
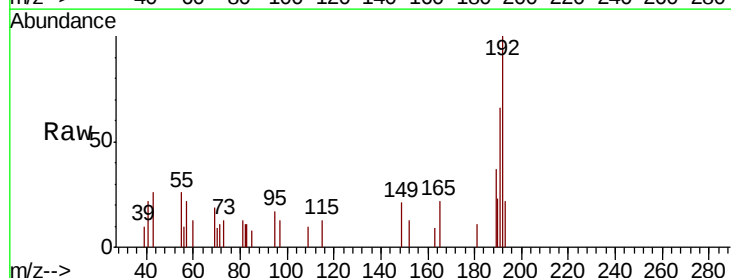
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-021119DL

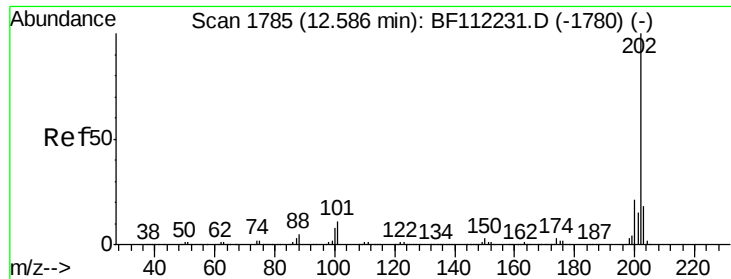
Tgt Ion:167 Resp: 8166
 Ion Ratio Lower Upper
 167 100
 166 29.3 17.9 26.9#
 139 20.8 10.2 15.2#



#74
 Di-n-butylphthalate
 Concen: 0.037 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Tgt Ion:149 Resp: 498
 Ion Ratio Lower Upper
 149 100
 150 0.0 8.1 12.1#
 104 0.0 3.9 5.9#

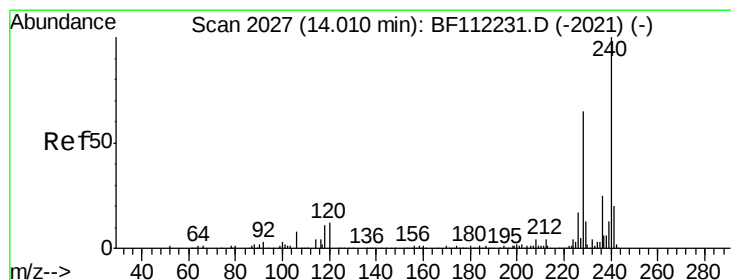
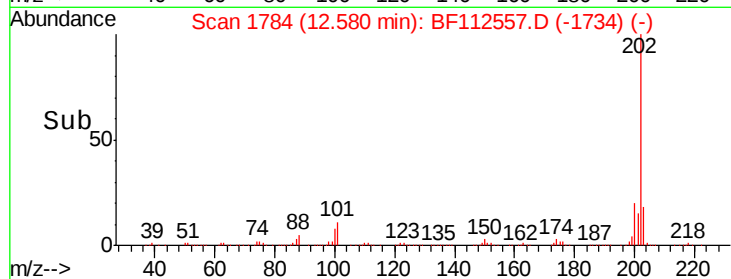
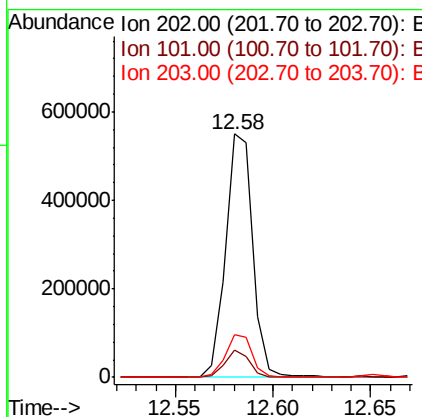
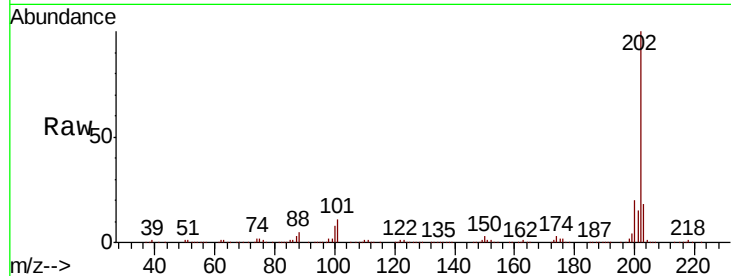




#75
 Fluoranthene
 Concen: 44.421 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

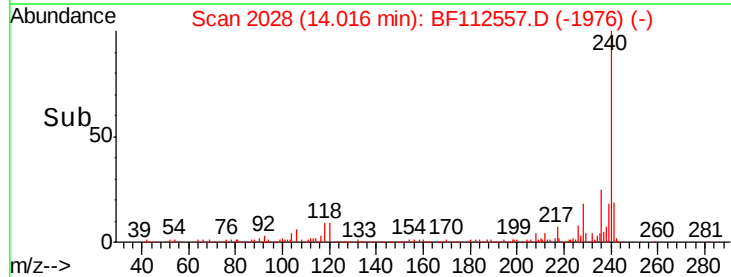
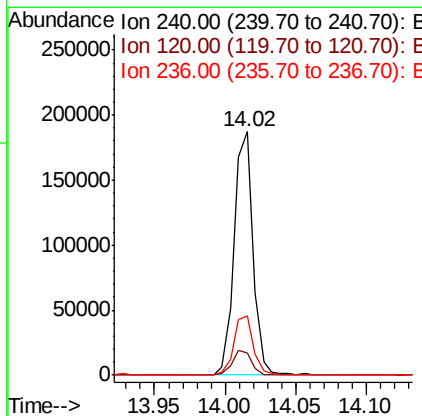
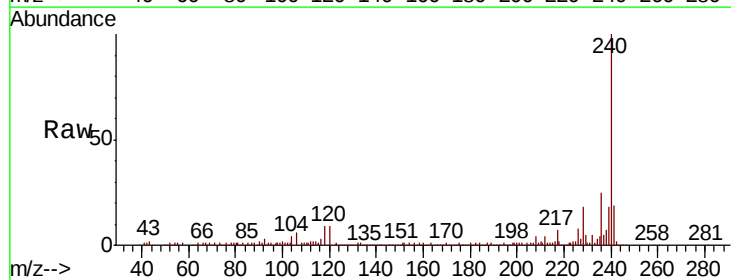
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-021119DL

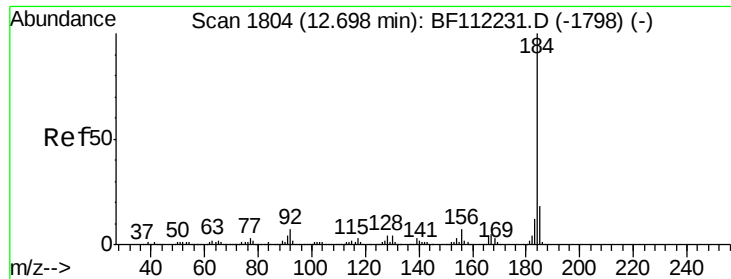
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	528578		
101	11.2		0.0	31.8
203	17.6		0.0	38.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF112557.D
 Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	174526		
120	9.2		9.0	13.6
236	24.6		20.7	31.1





#77

Benzidine

Concen: 0.367 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

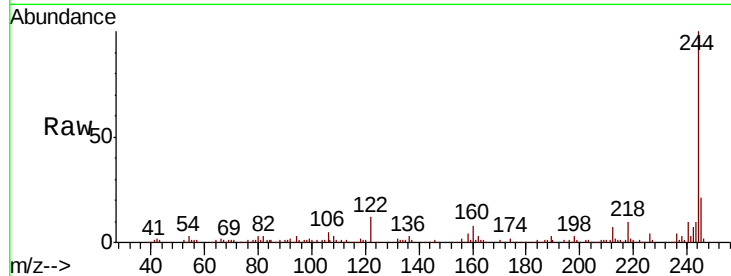
Tgt Ion:184 Resp: 1761

Ion Ratio Lower Upper

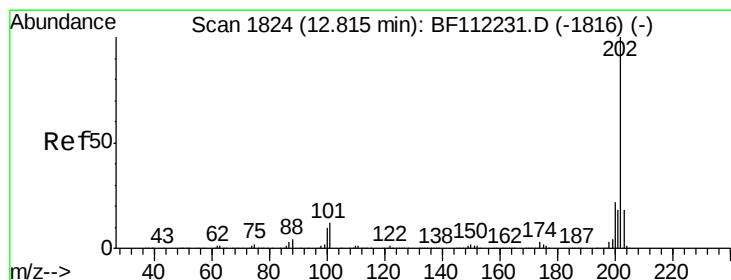
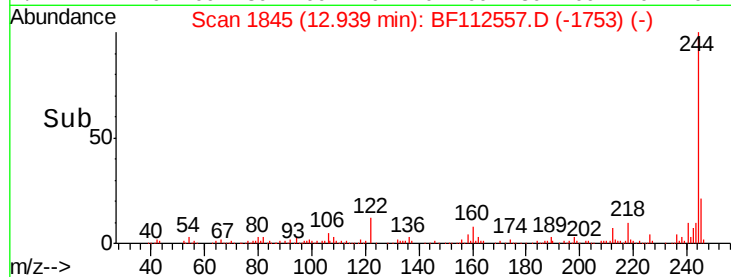
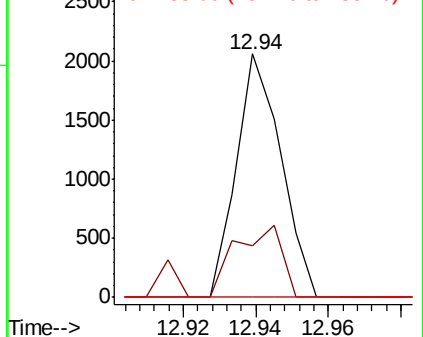
184 100

185 21.1 13.9 20.9#

183 0.0 10.0 15.0#



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: 37.953 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

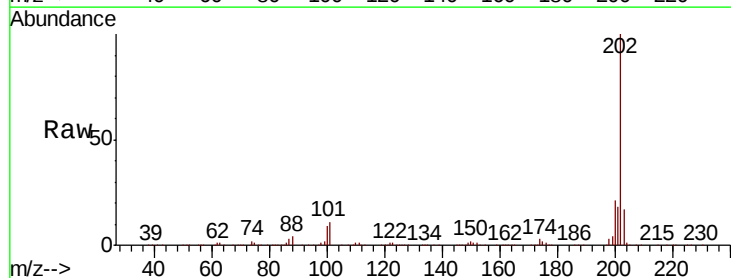
Tgt Ion:202 Resp: 458591

Ion Ratio Lower Upper

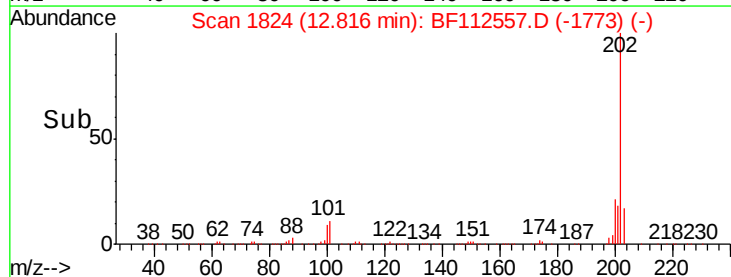
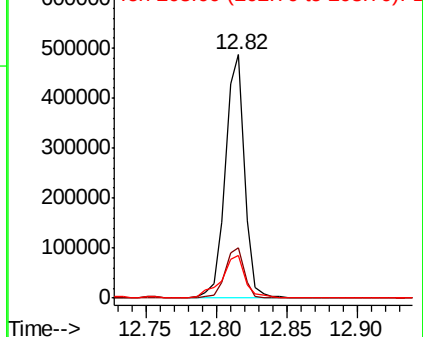
202 100

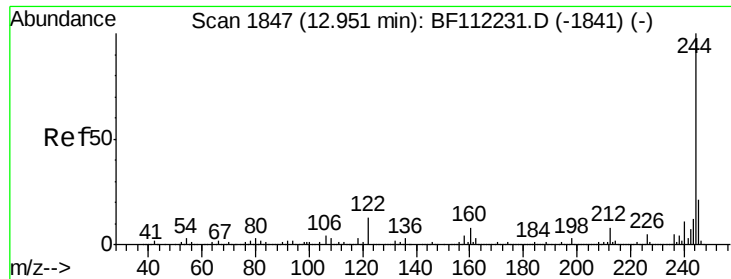
200 20.9 17.7 26.5

203 17.4 14.6 22.0



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: 14.816 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

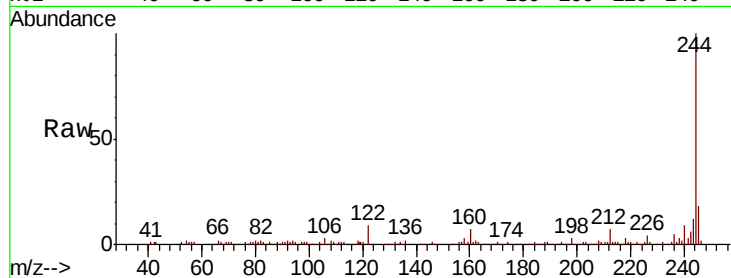
Tgt Ion:244 Resp: 137287

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

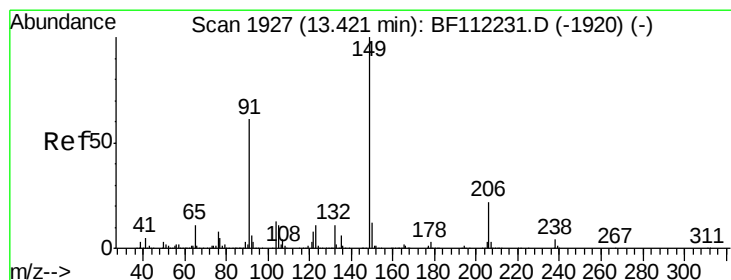
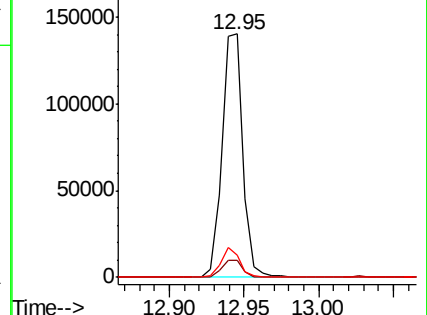
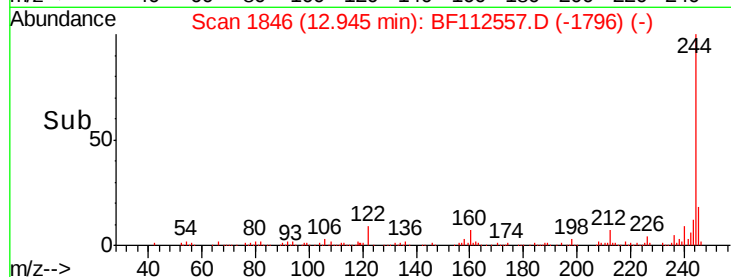
122 9.0 9.8 14.6#



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: 0.071 ng

RT: 13.40 min Scan# 1923

Delta R.T. -0.02 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

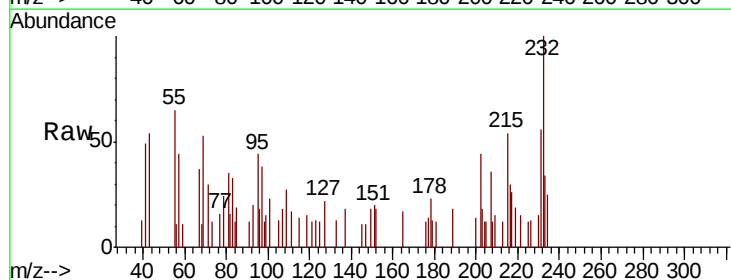
Tgt Ion:149 Resp: 416

Ion Ratio Lower Upper

149 100

91 67.7 50.3 75.5

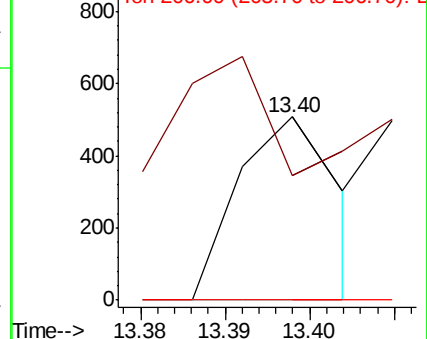
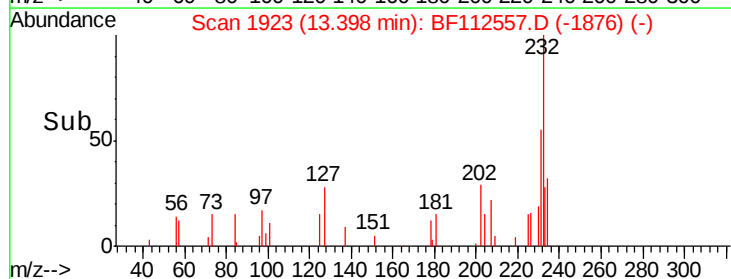
206 0.0 18.2 27.4#

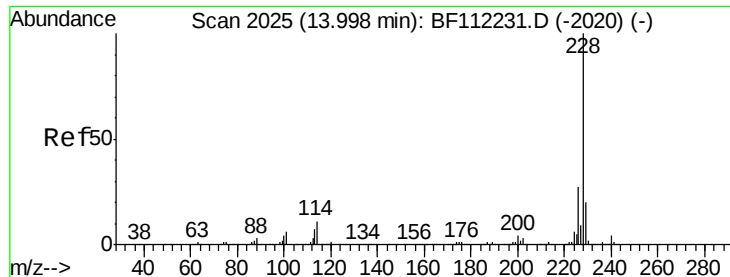


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 22.145 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

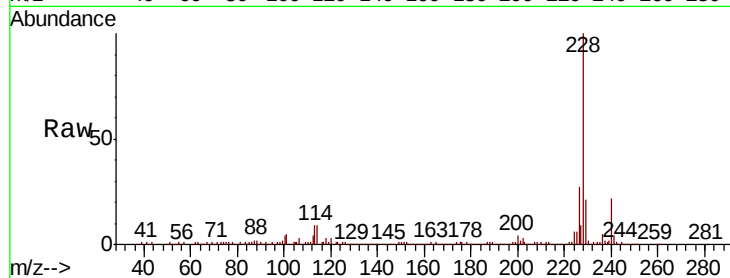
Tgt Ion:228 Resp: 227202

Ion Ratio Lower Upper

228 100

226 27.0 22.6 34.0

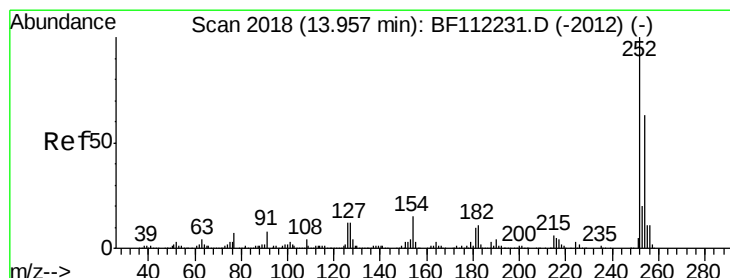
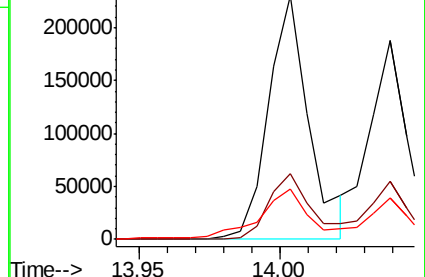
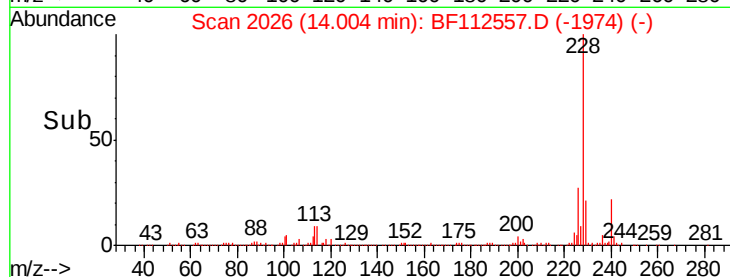
229 20.8 16.5 24.7



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: 0.570 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.08 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

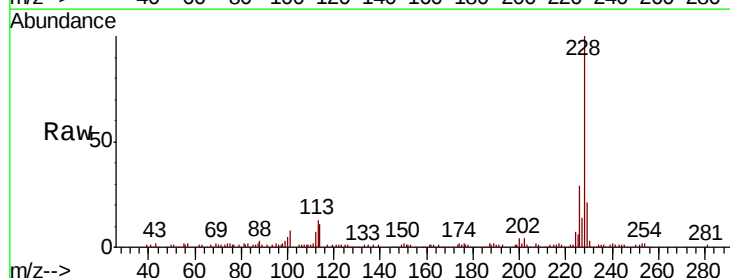
Tgt Ion:252 Resp: 2188

Ion Ratio Lower Upper

252 100

254 137.3 51.6 77.4#

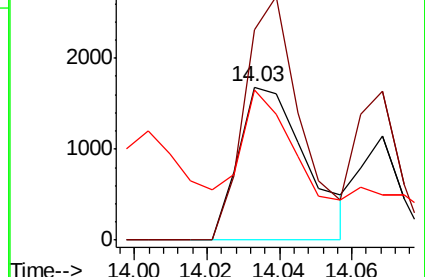
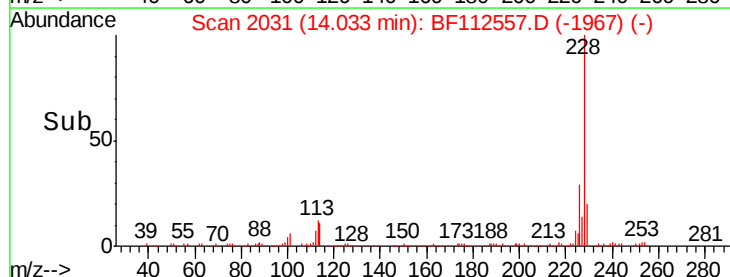
126 98.3 8.6 12.8#

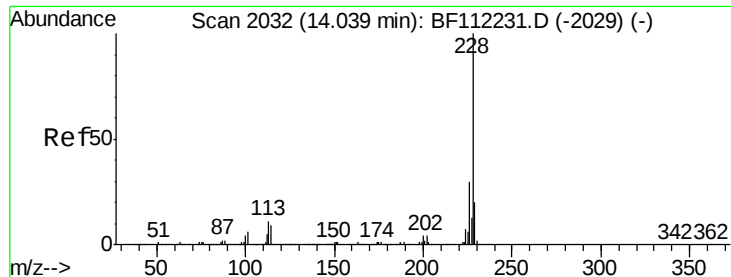


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 17.380 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

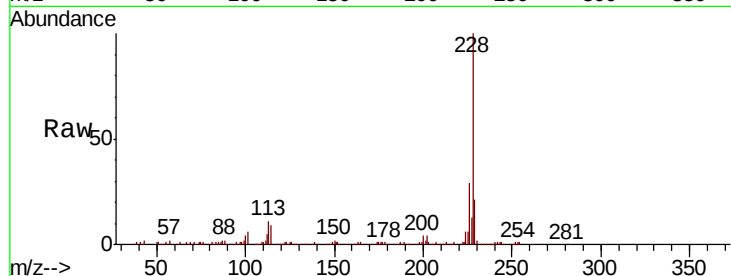
Tgt Ion:228 Resp: 170205

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.6

229 21.0 16.6 24.8

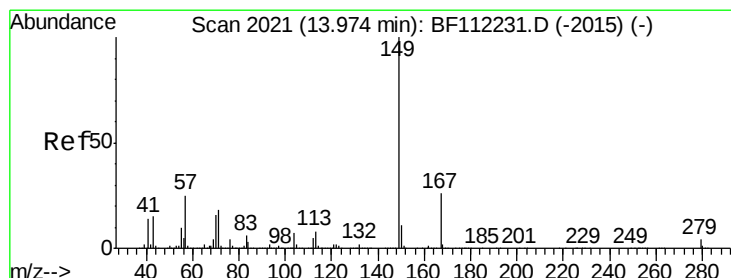
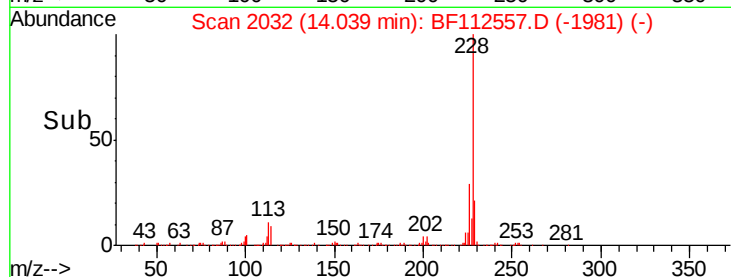
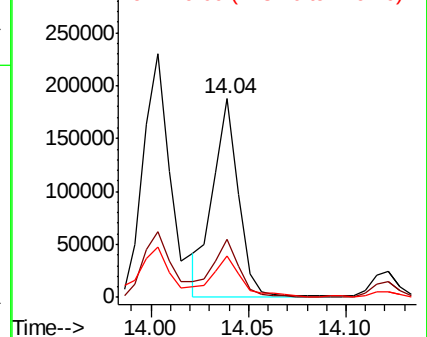


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.145 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

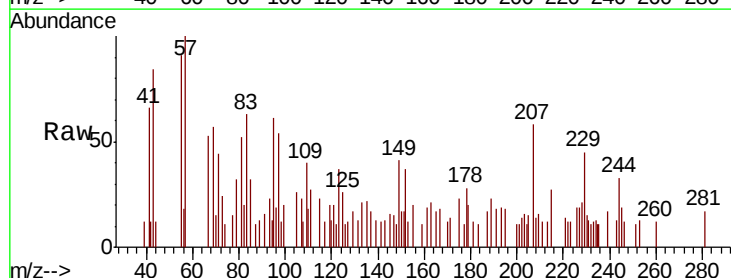
Tgt Ion:149 Resp: 1204

Ion Ratio Lower Upper

149 100

167 44.3 22.5 33.7#

279 0.0 3.8 5.6#

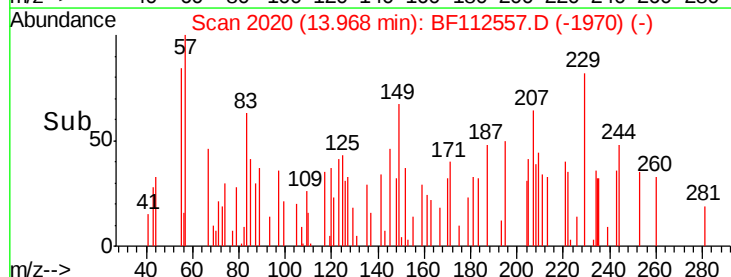
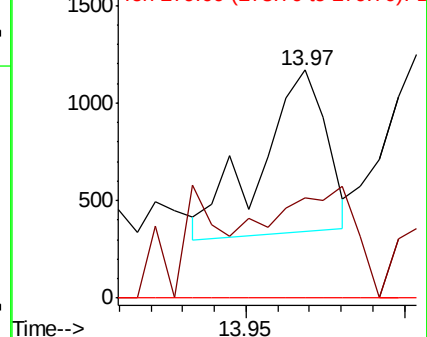


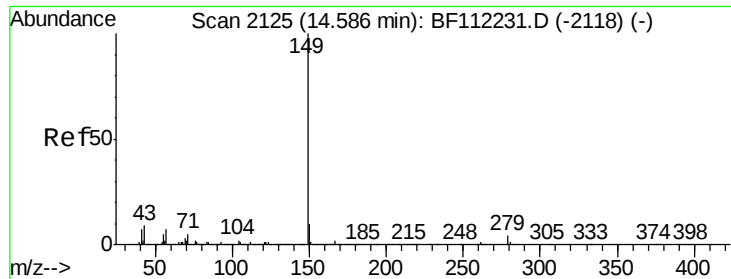
Abundance

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

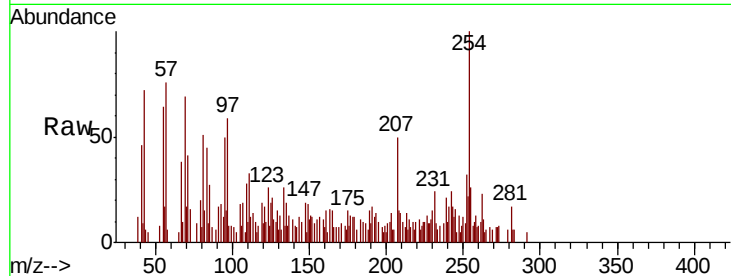




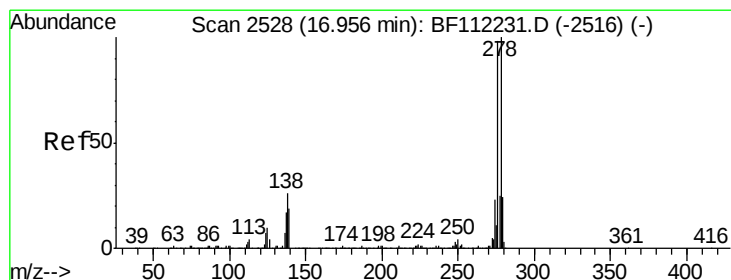
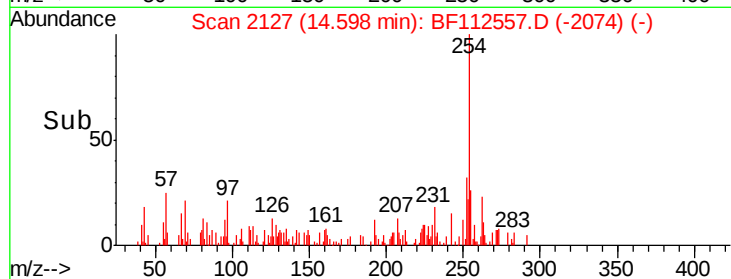
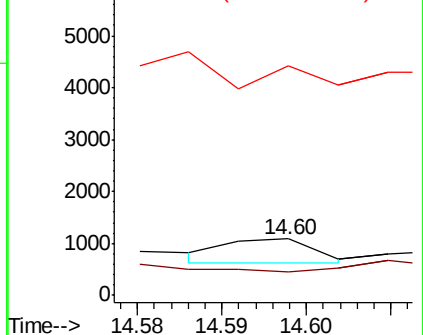
#85
Di-n-octyl phthalate
Concen: 0.027 ng
RT: 14.60 min Scan# 2127
Delta R.T. 0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tgt Ion: 149 Resp: 347
Ion Ratio Lower Upper
149 100
167 60.5 1.3 1.9#
43 389.0 7.8 11.6#

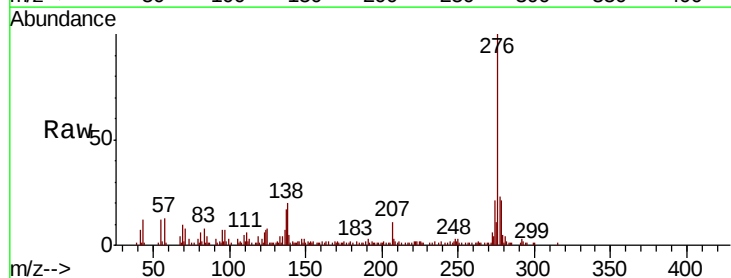


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

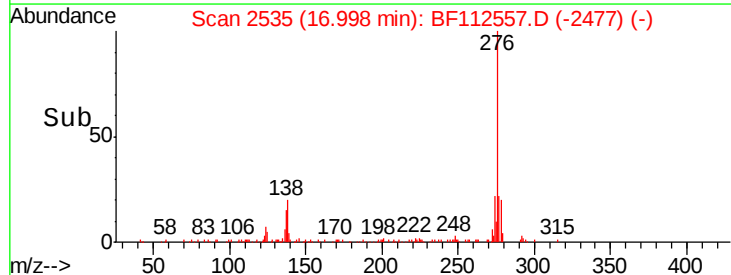
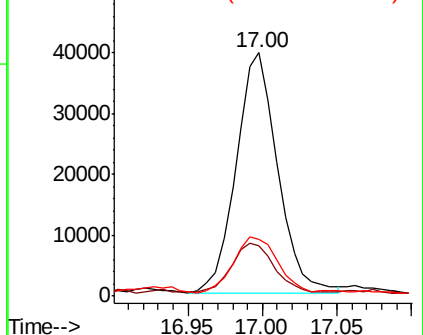


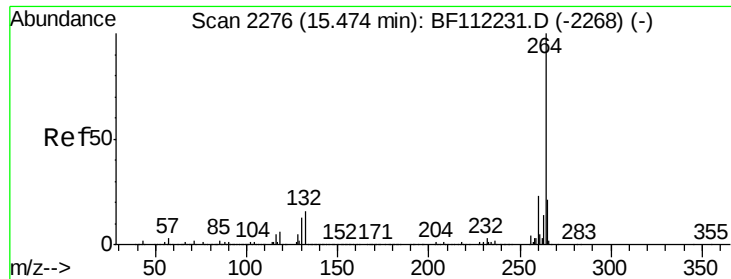
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.788 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.04 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion: 276 Resp: 75951
Ion Ratio Lower Upper
276 100
138 20.6 22.6 34.0#
277 24.6 20.3 30.5



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

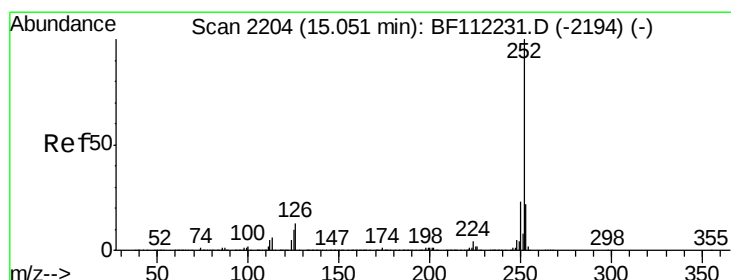
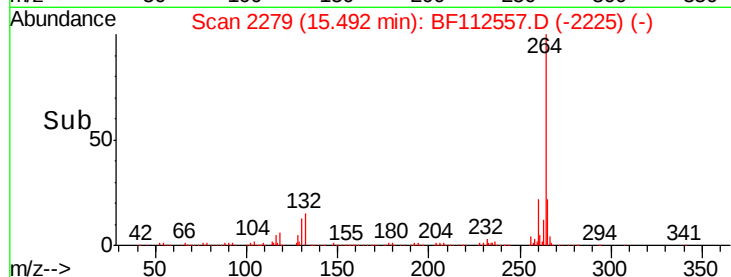
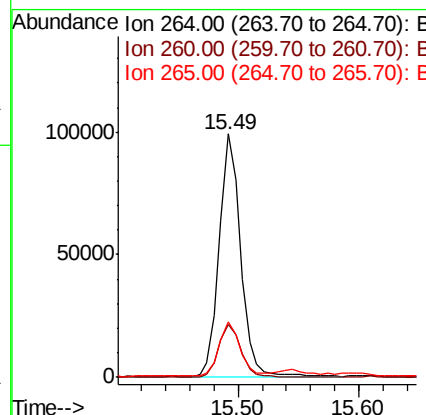
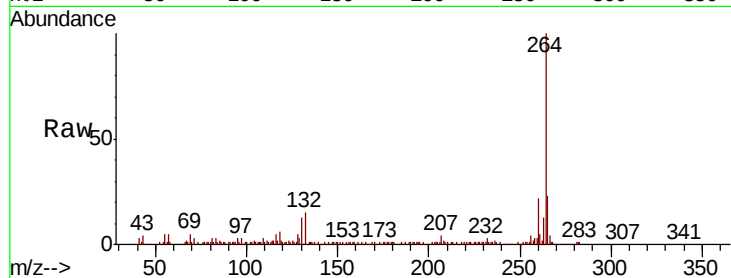




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

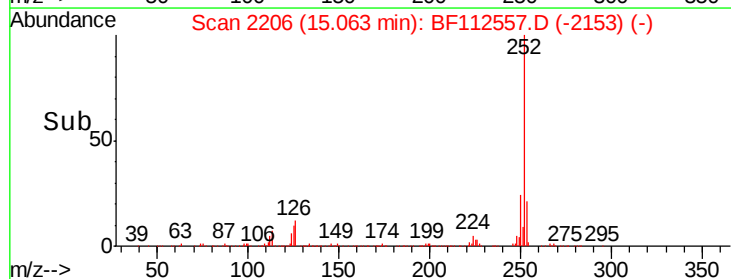
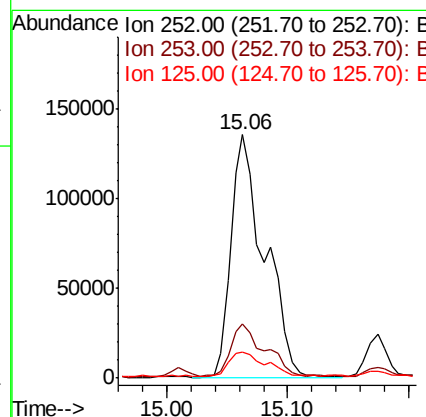
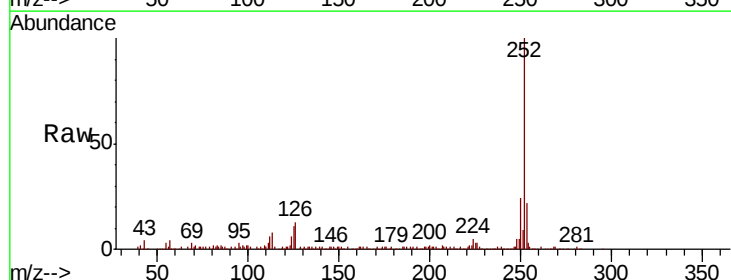
Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

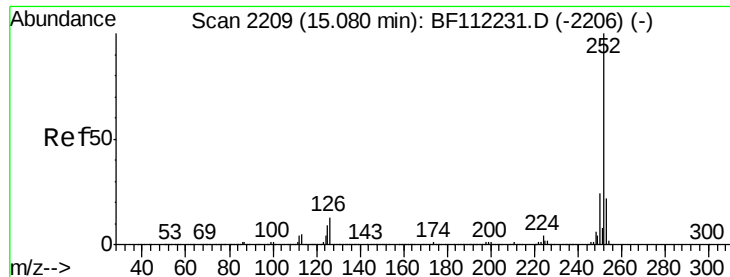
Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.2
265	22.7	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 35.562 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	10.8	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 37.127 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

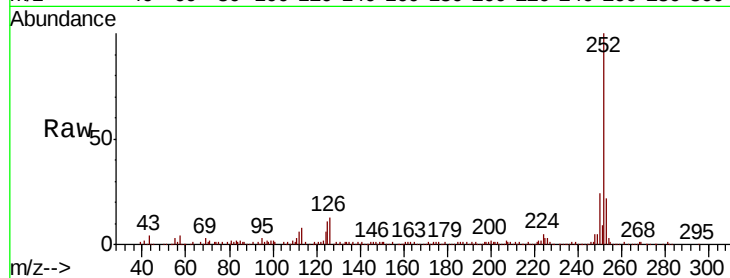
Instrument :

BNA_F

ClientSampleId :

HD-02-021119DL

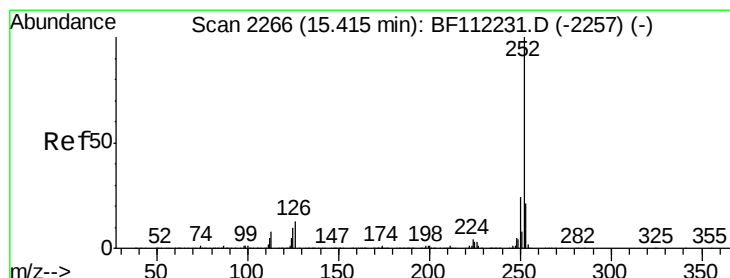
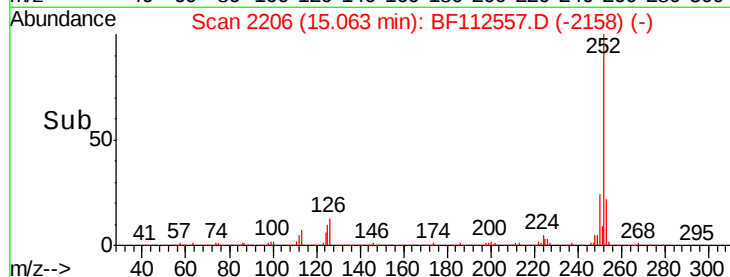
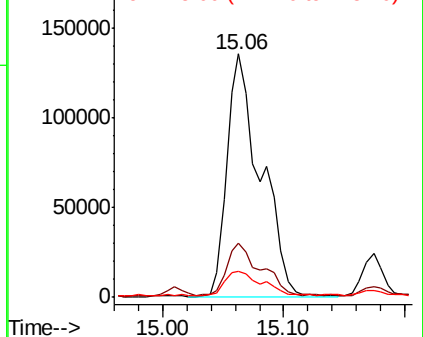
Tgt Ion:	252	Resp:	260657
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.0	27.0
125	10.8	9.1	13.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 20.513 ng

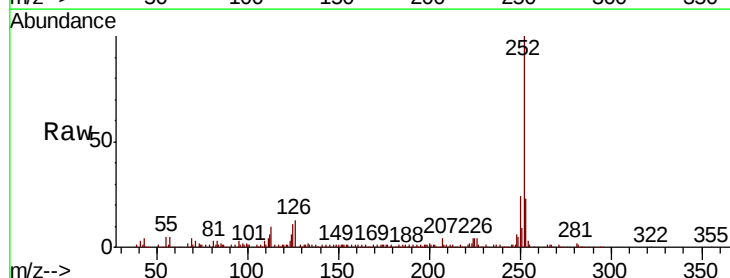
RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112557.D

Acq: 14 Feb 2019 2:17

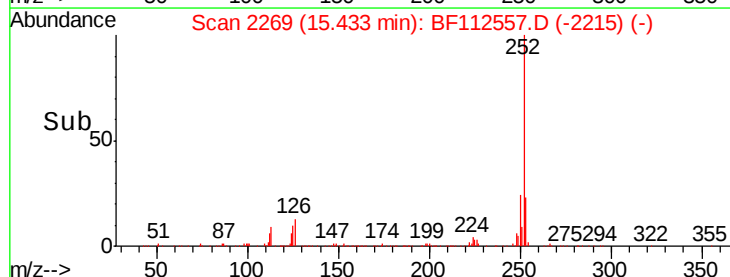
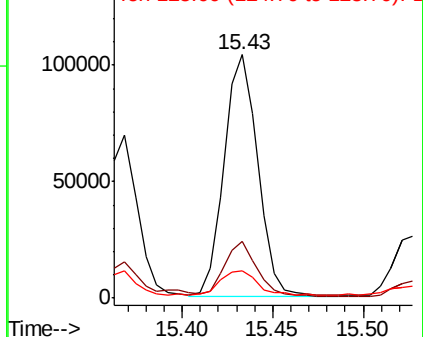
Tgt Ion:	252	Resp:	135285
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	11.5	9.0	13.4

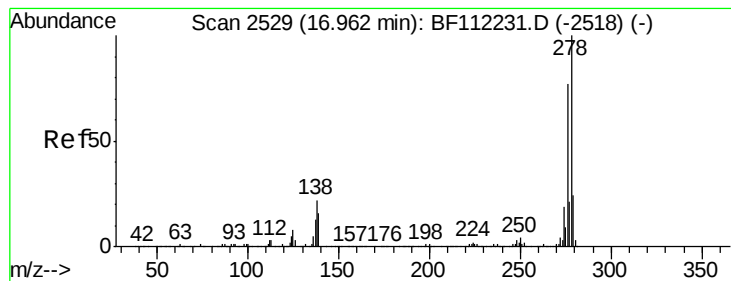


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

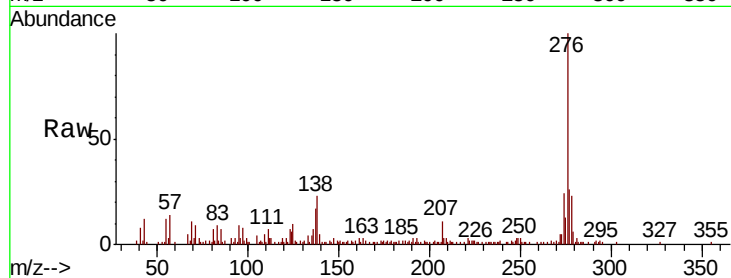




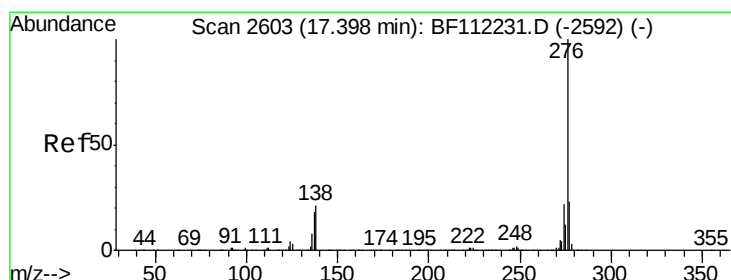
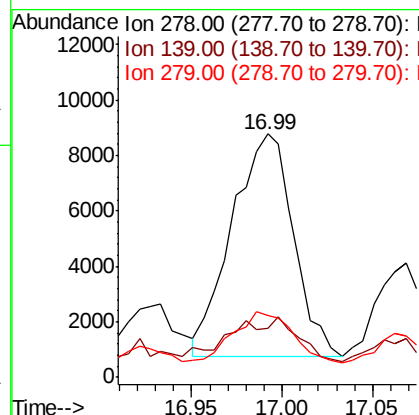
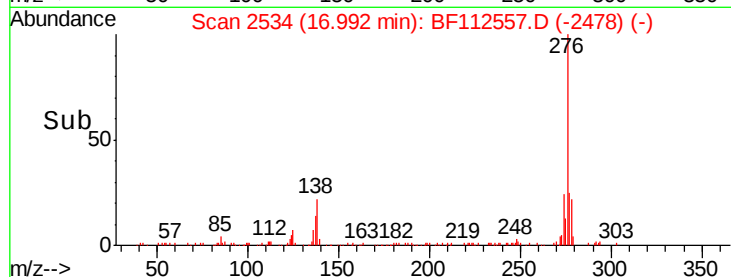
#91
Dibenzo(a,h)anthracene
Concen: 3.564 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.03 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Instrument :
BNA_F
ClientSampleId :
HD-02-021119DL

Tgt Ion: 278 Resp: 18944
Ion Ratio Lower Upper
278 100
139 20.3 13.7 20.5
279 25.4 19.0 28.6

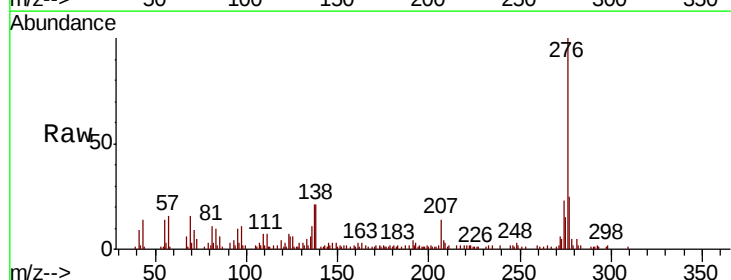


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 13.258 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112557.D
Acq: 14 Feb 2019 2:17

Tgt Ion: 276 Resp: 66486
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 20.9 19.1 28.7



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

