

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103492.D
 Acq On : 7 Mar 2018 11:22
 Operator : SJ/JU
 Sample : J1722-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 11:50:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	163451	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	679977	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	295236	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	464788	20.00	ng	0.00
75) Chrysene-d12	14.06	240	268333	20.00	ng	0.00
86) Perylene-d12	15.56	264	255182	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1000449	92.57	ng	0.00
7) Phenol-d6	6.50	99	1263485	95.54	ng	0.00
23) Nitrobenzene-d5	7.43	82	814868	68.44	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	176333	70.56	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1051593	56.50	ng	0.00
78) Terphenyl-d14	12.99	244	710922	63.69	ng	0.00

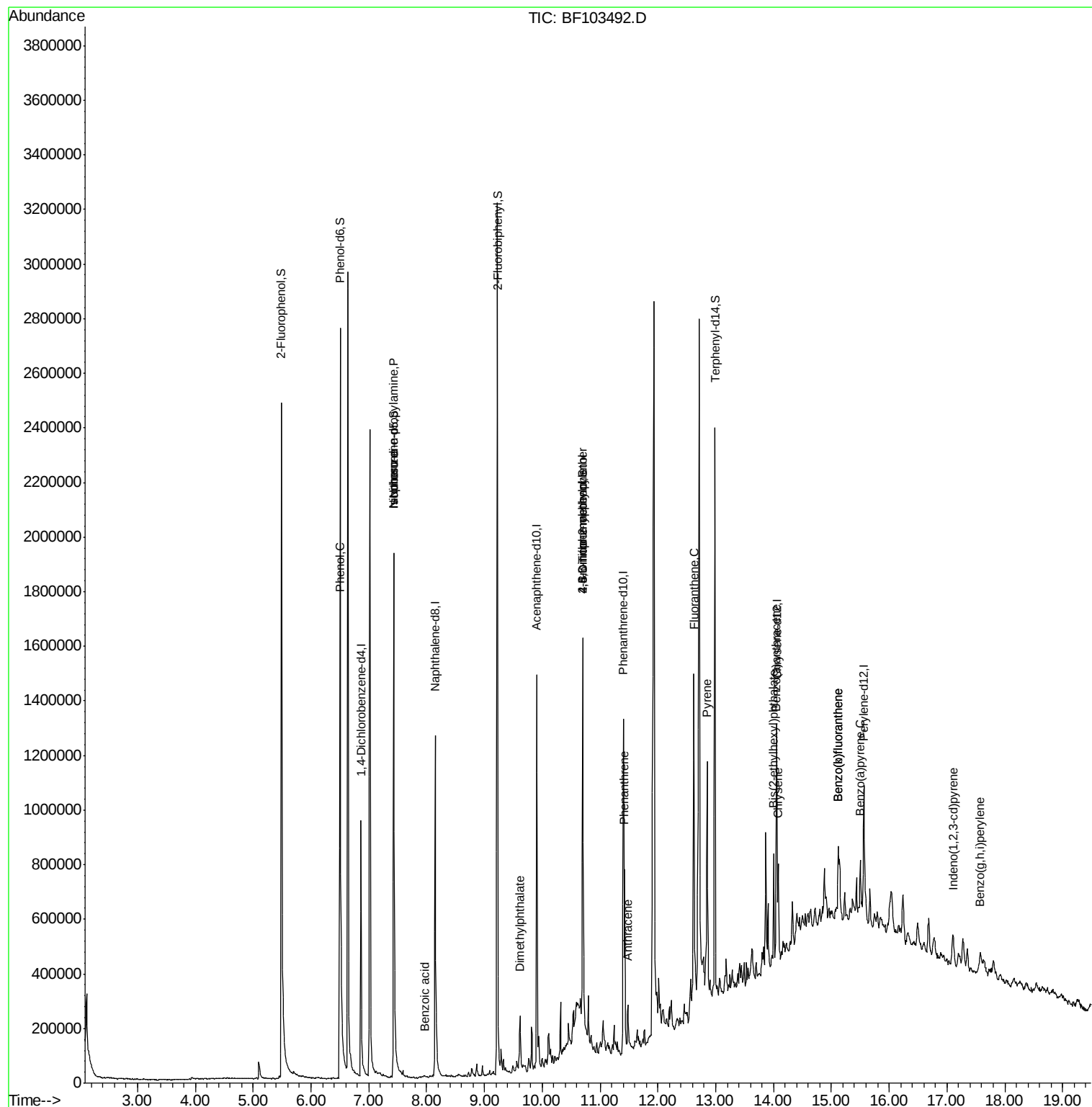
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	1437	Below Cal		# 1
10) Phenol	6.52	94	33791	2.201	ng	# 29
19) n-Nitroso-di-n-propylamine	7.43	70	109887	13.352	ng	# 82
25) Isophorone	7.43	82	814868	34.748	ng	# 64
32) Benzoic acid	7.97	122	2016	7.160	ng	85
49) Dimethylphthalate	9.62	163	80905	3.416	ng	100
64) 4,6-Dinitro-2-methylphenol	10.70	198	441	5.085	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11875	2.453	ng	# 1
70) Phenanthrene	11.42	178	257306	10.059	ng	98
71) Anthracene	11.48	178	82112	3.131	ng	99
74) Fluoranthene	12.62	202	370174	14.402	ng	99
77) Pylene	12.85	202	367227	17.553	ng	99
80) Benzo(a)anthracene	14.04	228	155473	8.930	ng	98
82) Chrysene	14.08	228	137978	8.162	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	104880	7.031	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.11	276	65675	4.907	ng	99
87) Benzo(b)fluoranthene	15.12	252	223726	13.334	ng	# 90
88) Benzo(k)fluoranthene	15.12	252	223726	14.161	ng	# 93
89) Benzo(a)pyrene	15.50	252	121936	8.138	ng	# 92
91) Benzo(a,h,i)perylene	17.57	276	64060	5.661	ng	93

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

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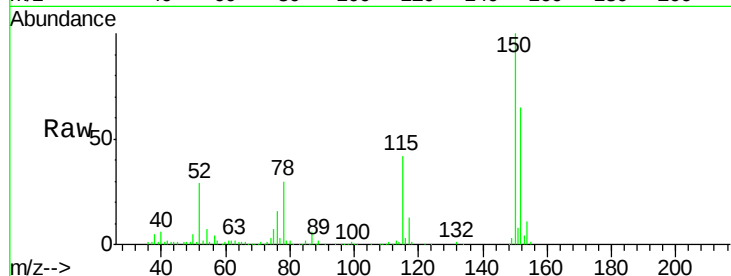


#1

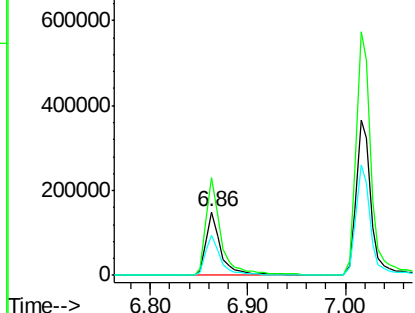
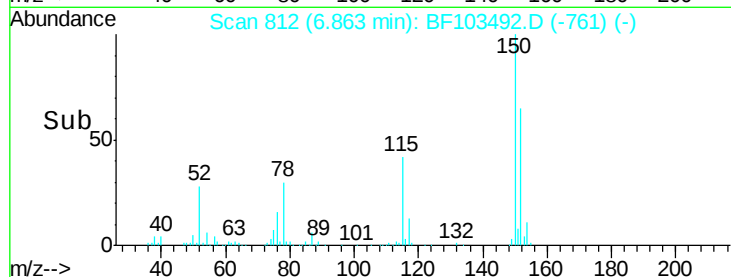
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	163451
Ion Ratio	Lower	Upper	
152	100		
150	153.0	124.6	186.8
115	63.6	50.1	75.1



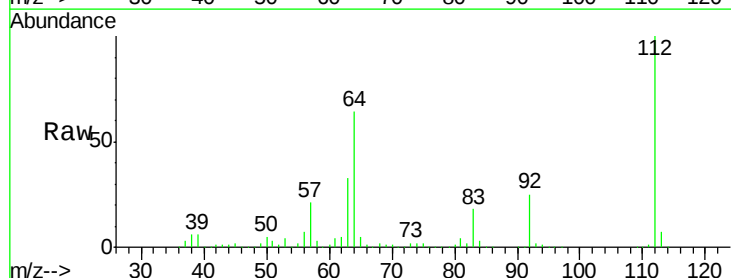
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



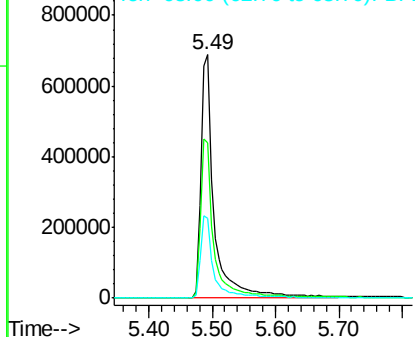
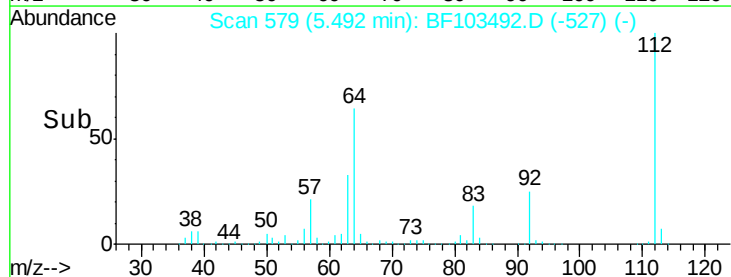
#5

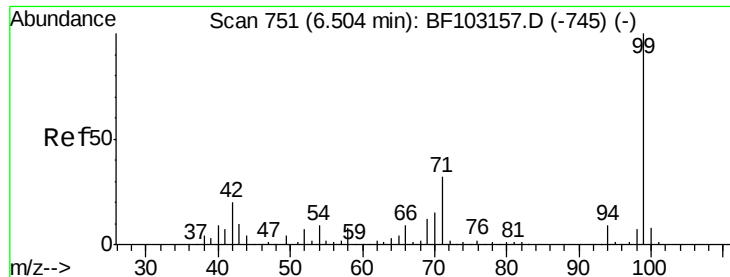
2-Fluorophenol
Concen: 92.573 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion	112	Resp	1000449
Ion Ratio	Lower	Upper	
112	100		
64	64.0	47.9	71.9
63	32.7	23.7	35.5



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: 95.543 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampleId :

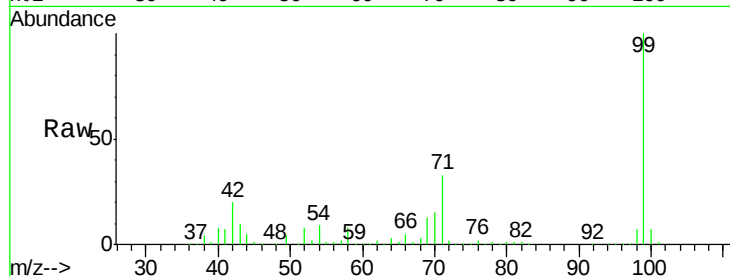
Tot Ion: 99 Resp: 1263485

Ion Ratio Lower Upper

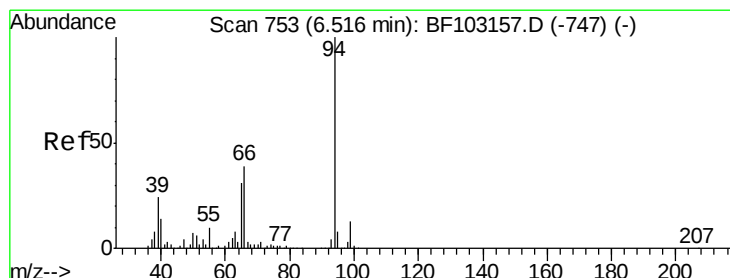
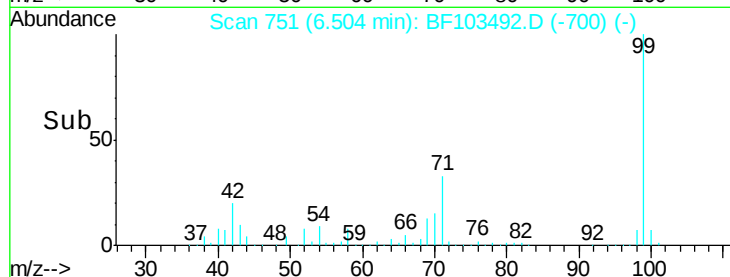
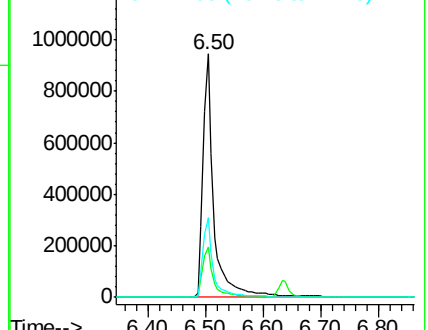
99 100

42 20.4 14.5 21.7

71 32.9 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



#10

Phenol

Concen: 2.201 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

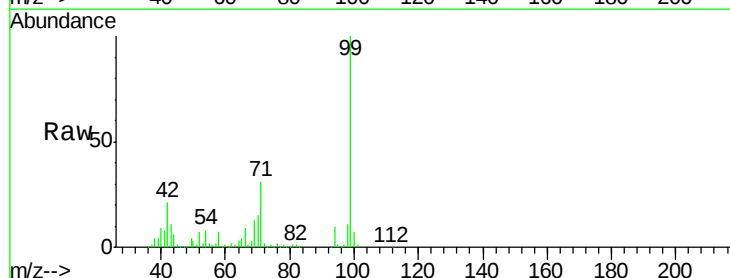
Tgt Ion: 94 Resp: 33791

Ion Ratio Lower Upper

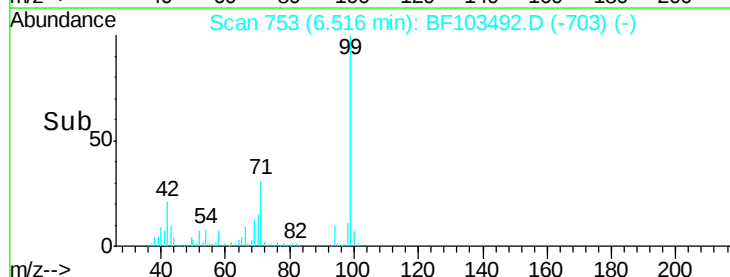
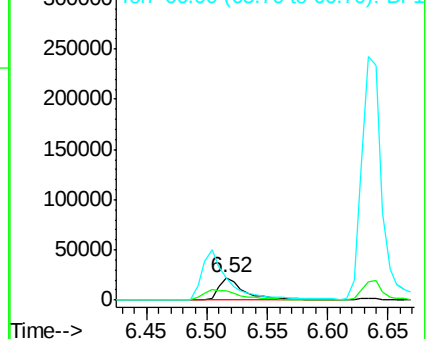
94 100

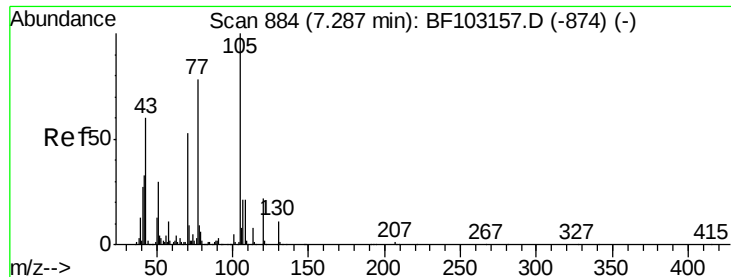
65 44.2 7.9 47.9

66 95.8 16.2 56.2#



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

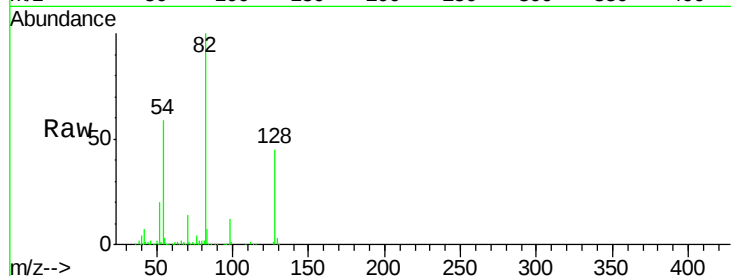




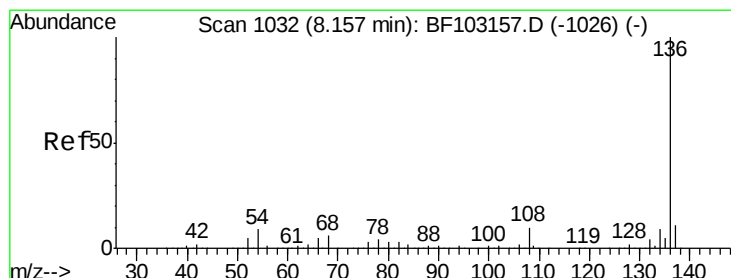
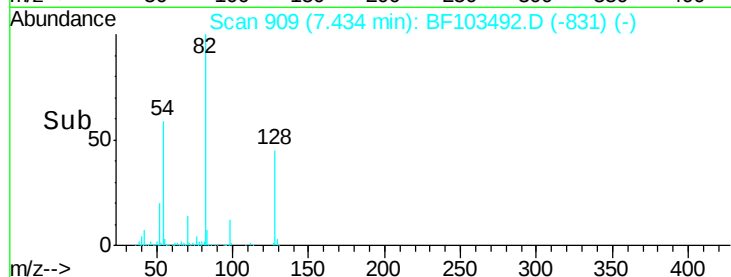
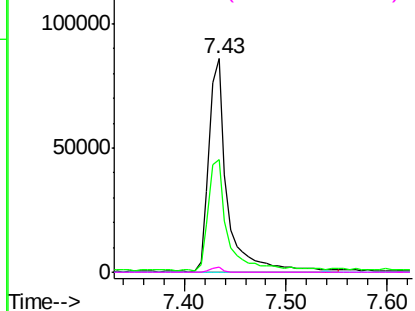
#19
n-Nitroso-di-n-propylamine
Concen: 13.352 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.16 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 109887
Ion Ratio Lower Upper
70 100
42 53.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



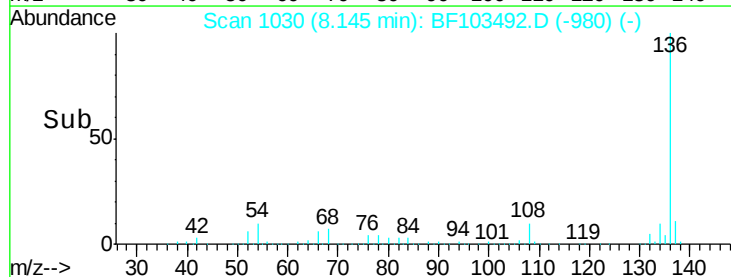
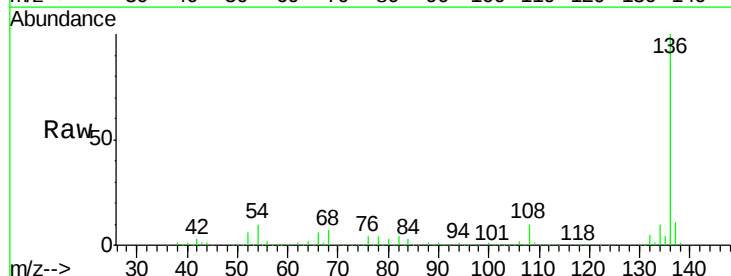
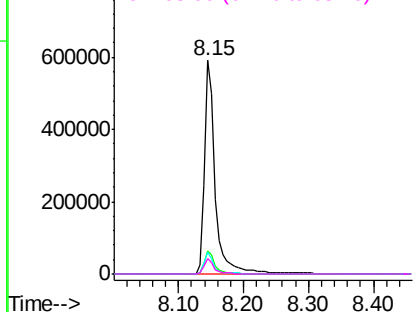
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

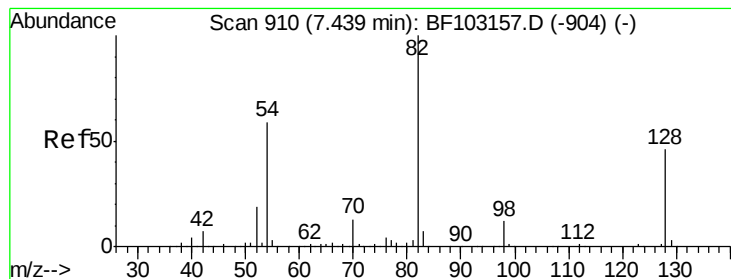


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion: 136 Resp: 679977
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.4 6.6 9.8#
68 7.2 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





#23

Nitrobenzene-d5

Concen: 68.437 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampled :

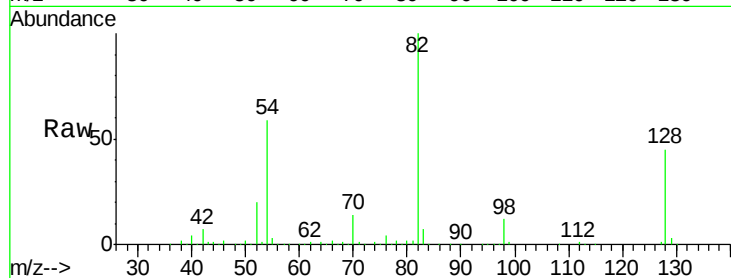
Tot Ion: 82 Resp: 814868

Ion Ratio Lower Upper

82 100

128 44.5 36.1 54.1

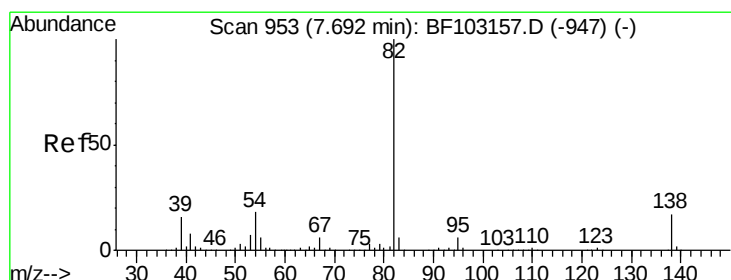
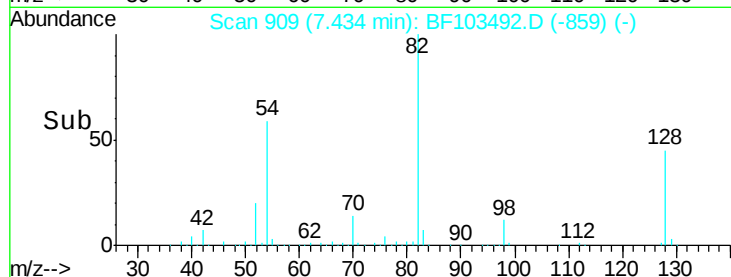
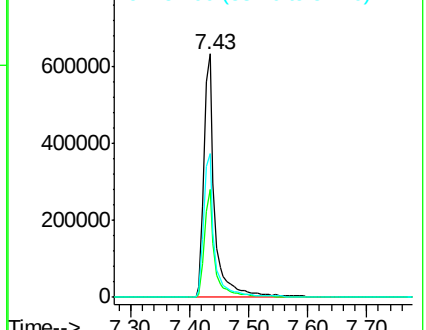
54 59.2 41.4 62.2



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



#25

Isophorone

Concen: 34.748 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

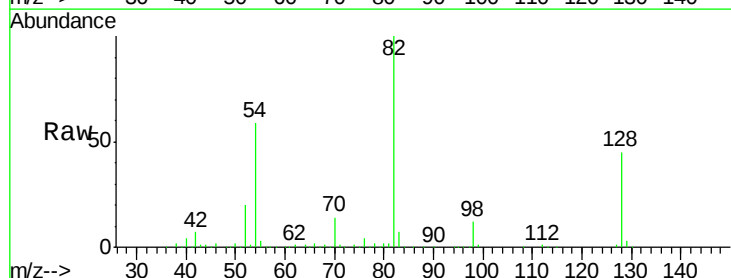
Tgt Ion: 82 Resp: 814868

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

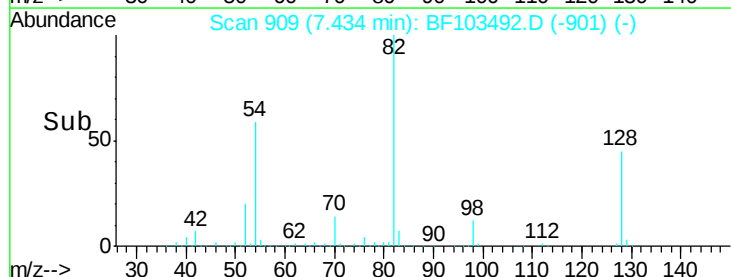
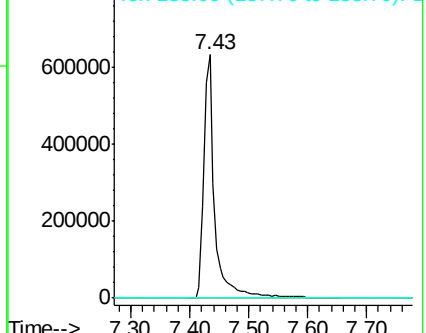
138 0.0 14.9 22.3#

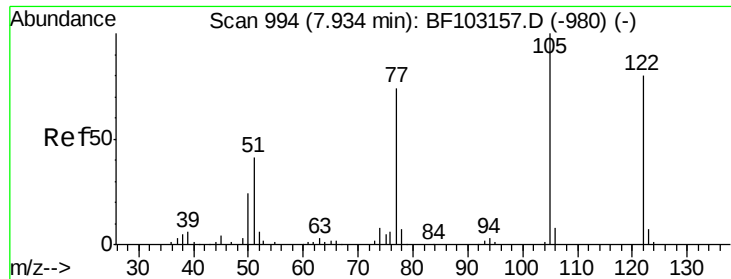


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

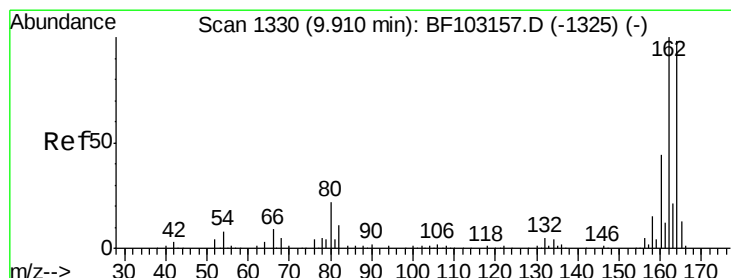
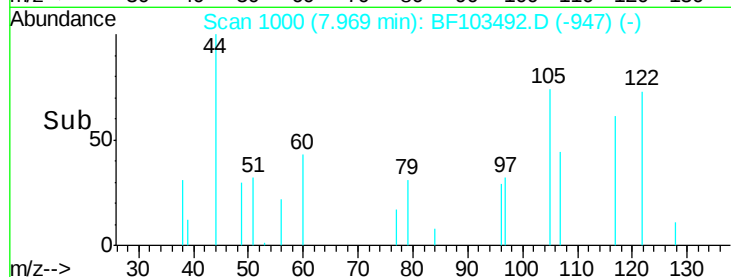
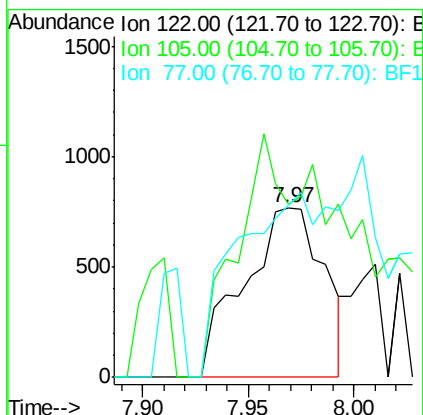
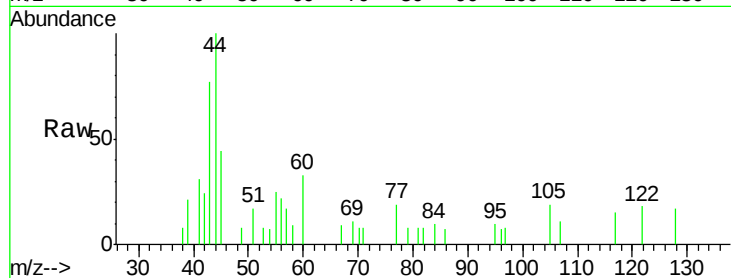




#32
Benzoic acid
Concen: 7.160 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

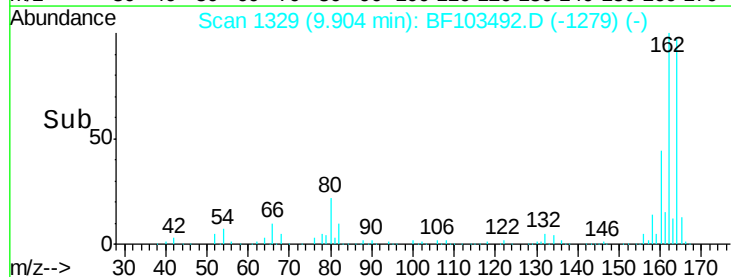
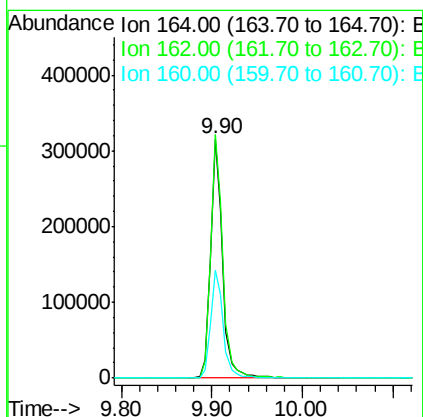
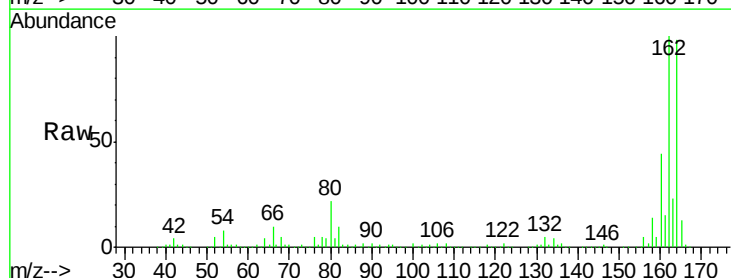
Instrument :
BNA_F
ClientSampled :

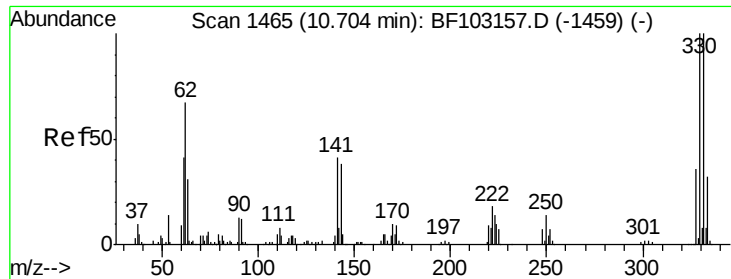
Tot Ion:122 Resp: 2016
Ion Ratio Lower Upper
122 100
105 102.0 101.1 141.1
77 101.4 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion:164 Resp: 295236
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 45.2 38.3 57.5

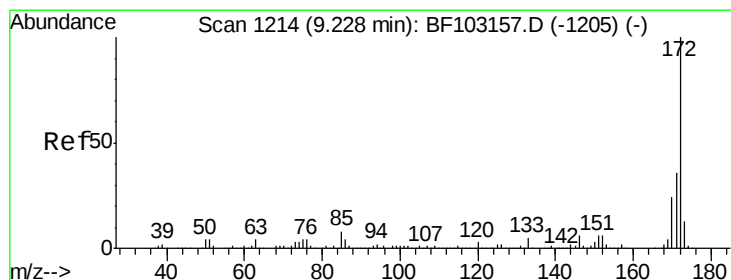
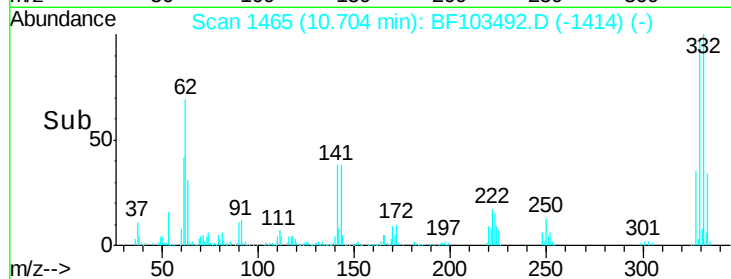
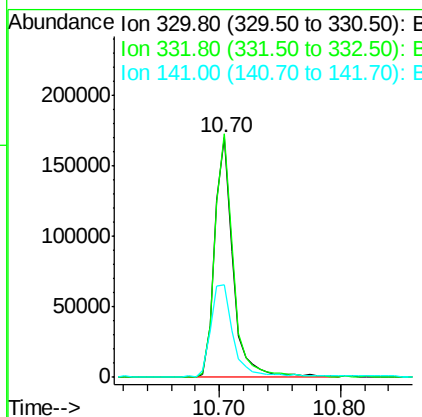
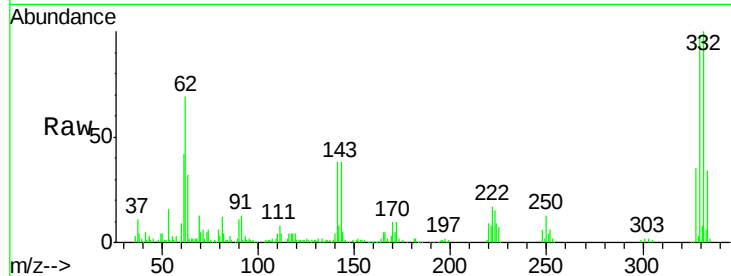




#41
 2,4,6-Tribromophenol
 Concen: 70.561 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103492.D
 Acq: 7 Mar 2018 11:22

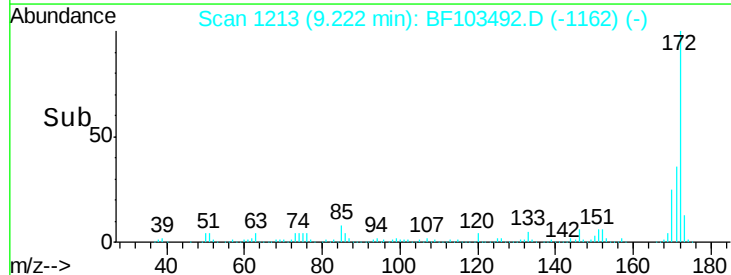
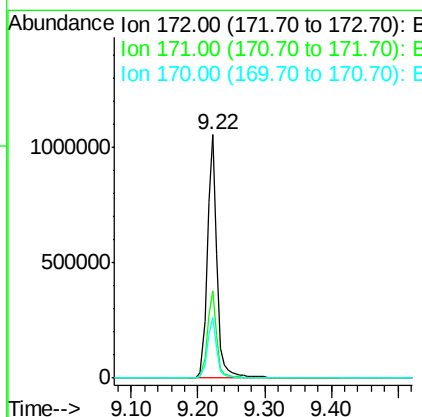
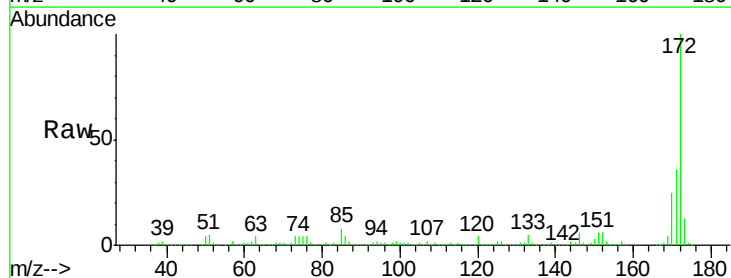
Instrument :
 BNA_F
 ClientSampleId :

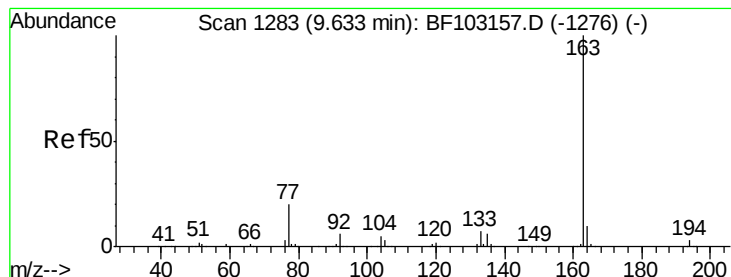
Tot Ion:330 Resp: 176333
 Ion Ratio Lower Upper
 330 100
 332 102.1 77.0 115.6
 141 46.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 56.500 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103492.D
 Acq: 7 Mar 2018 11:22

Tgt Ion:172 Resp: 1051593
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.7 19.6 29.4





#49

Dimethylphthalate

Concen: 3.416 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampleId :

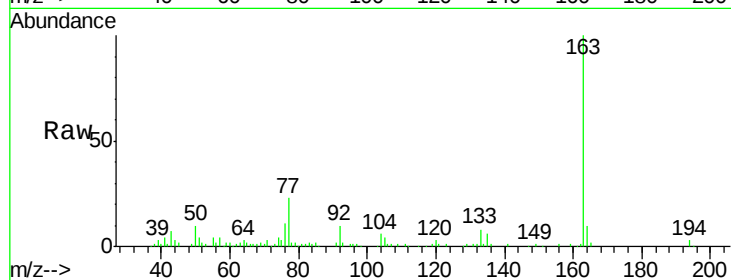
Tot Ion:163 Resp: 80905

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

164 10.3 8.2 12.2

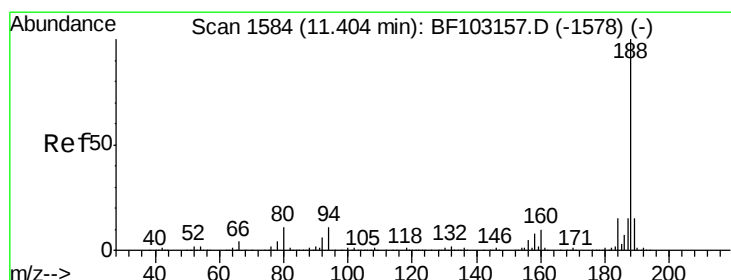
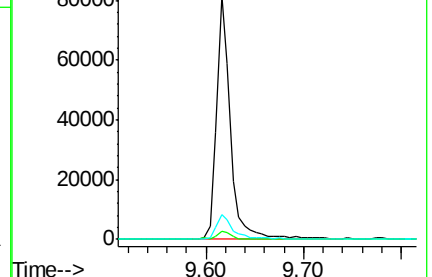
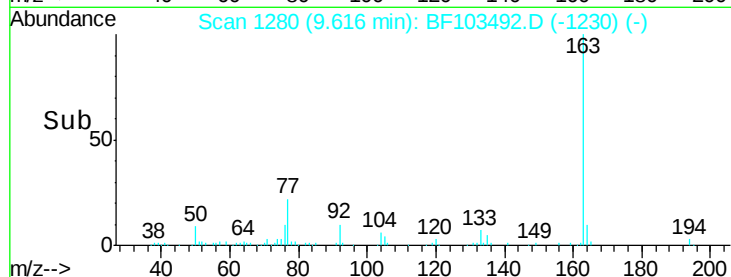


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

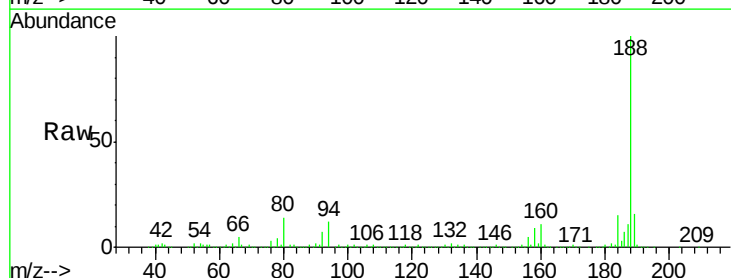
Tgt Ion:188 Resp: 464788

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

80 13.6 9.2 13.8

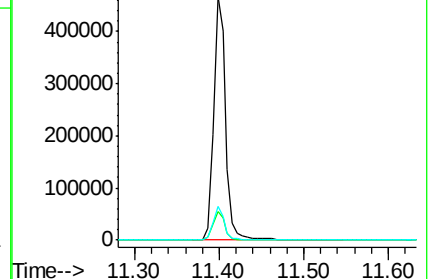
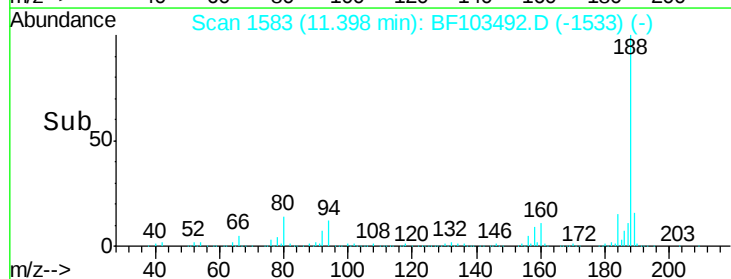


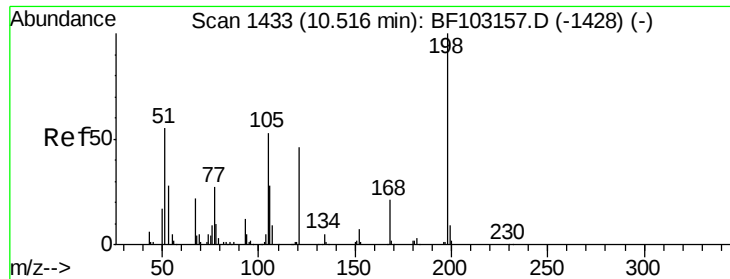
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->

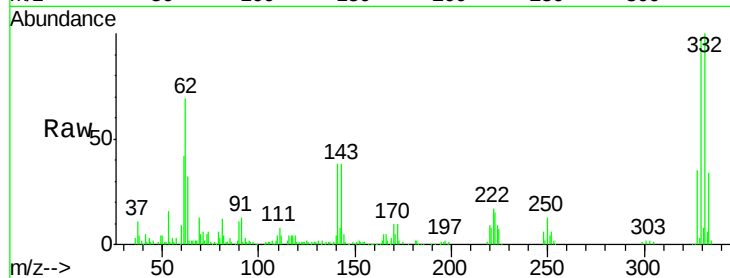




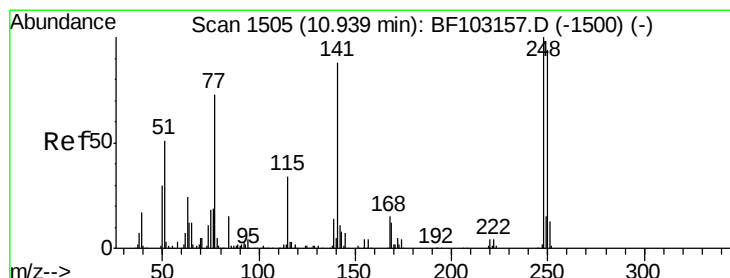
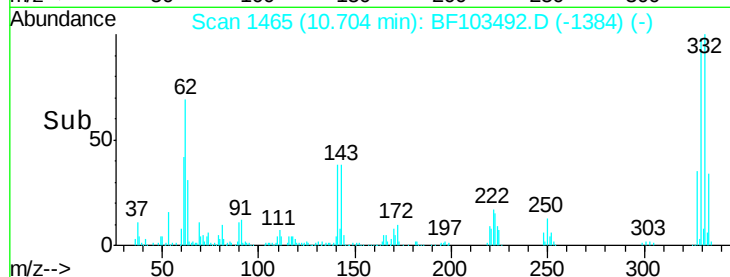
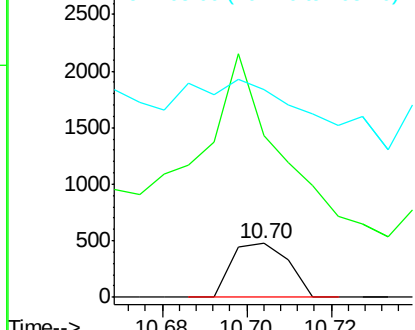
#64
4,6-Dinitro-2-methylphenol
Concen: 5.085 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 441
Ion Ratio Lower Upper
198 100
51 298.5 37.7 77.7#
105 386.2 36.3 76.3#

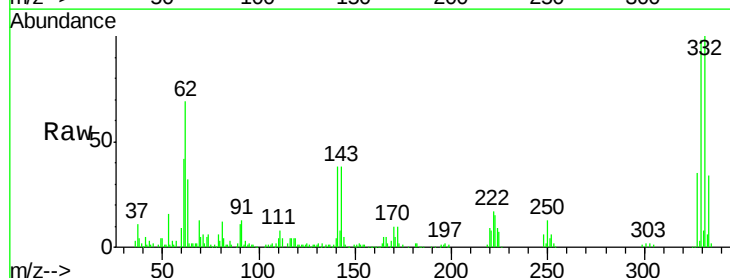


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

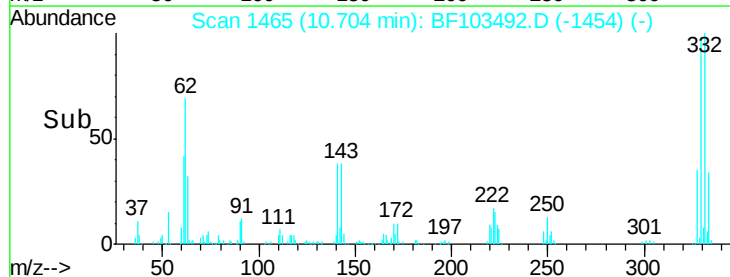
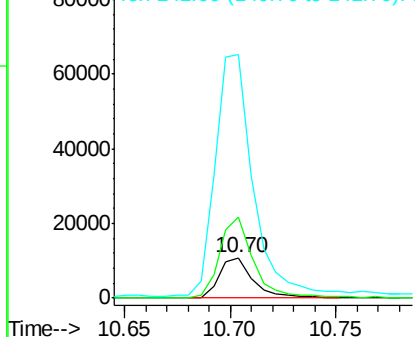


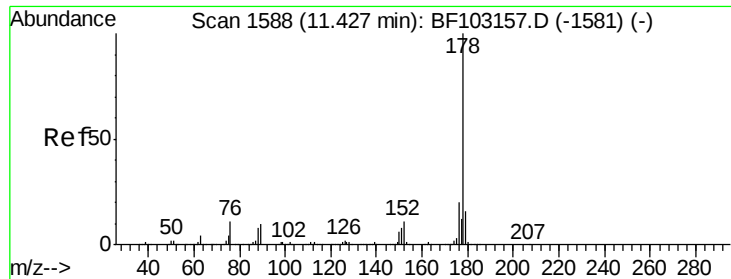
#66
4-Bromophenyl-phenylether
Concen: 2.453 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion:248 Resp: 11875
Ion Ratio Lower Upper
248 100
250 201.8 76.9 115.3#
141 601.6 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 10.059 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampleId :

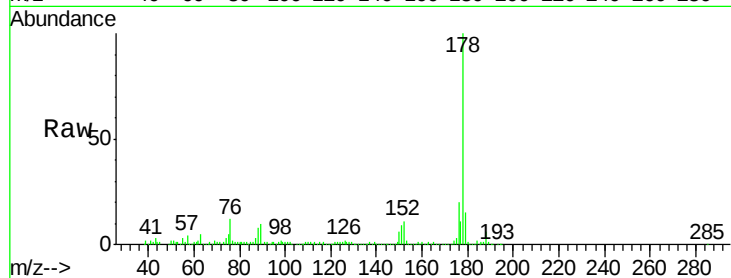
Tot Ion:178 Resp: 257306

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

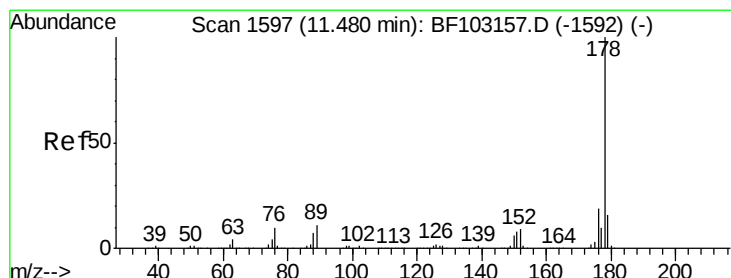
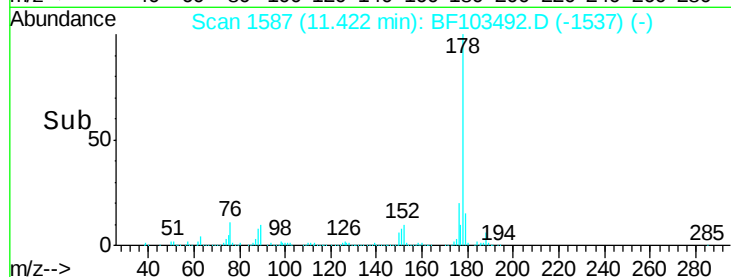
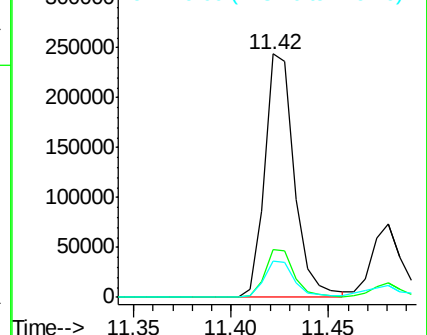
179 15.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.131 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

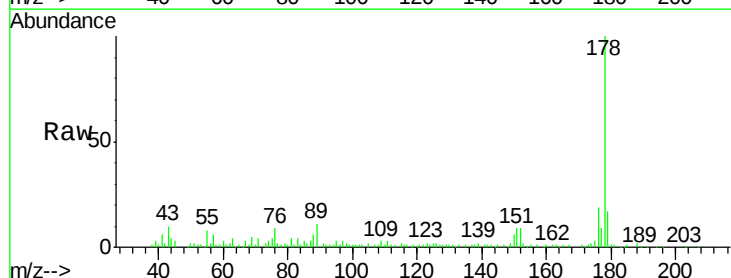
Tgt Ion:178 Resp: 82112

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

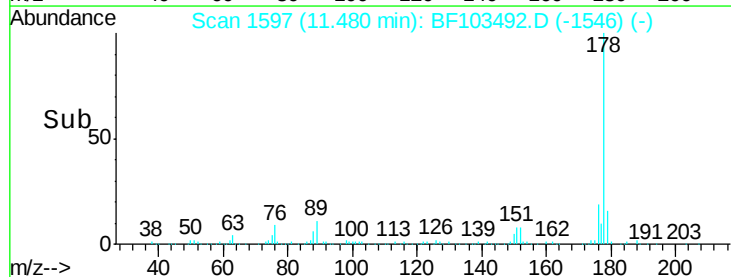
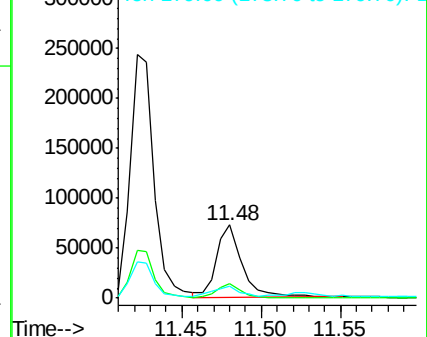
179 16.7 12.6 19.0

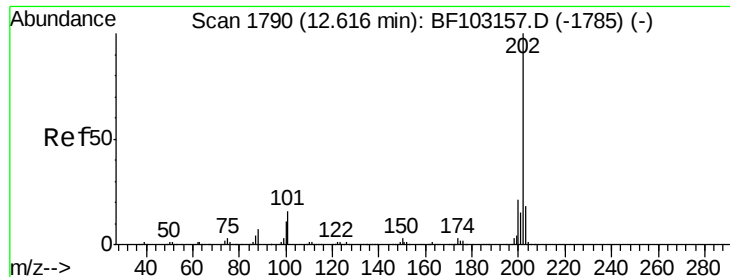


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.402 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampled :

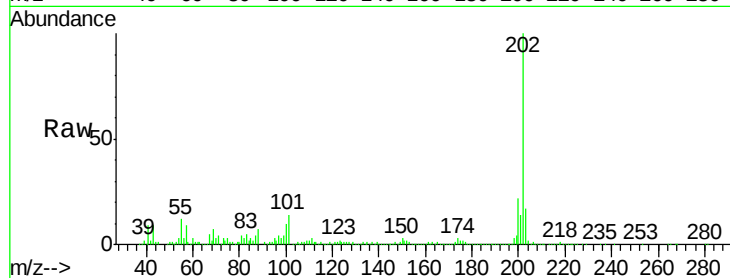
Tot Ion:202 Resp: 370174

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

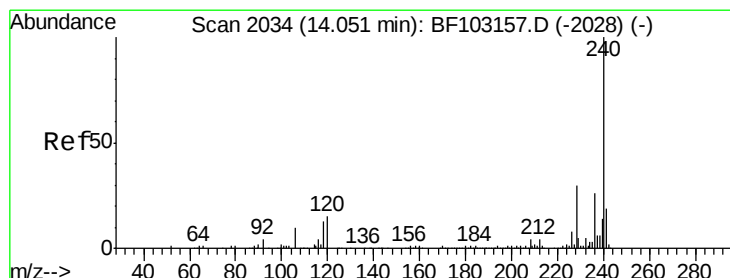
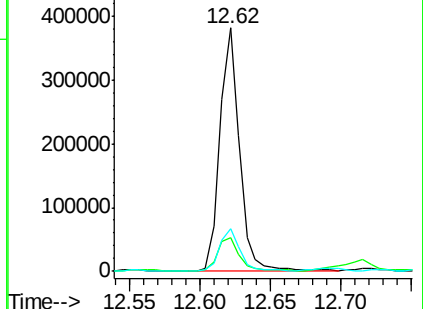
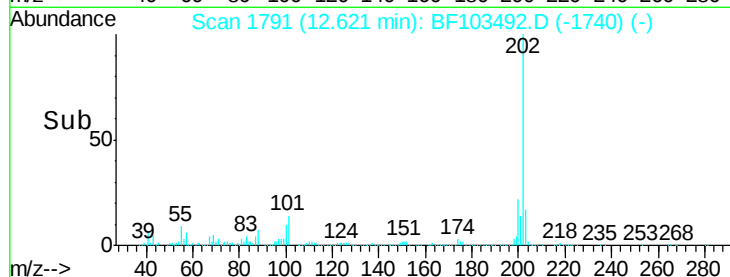
203 17.3 0.0 38.1



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: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

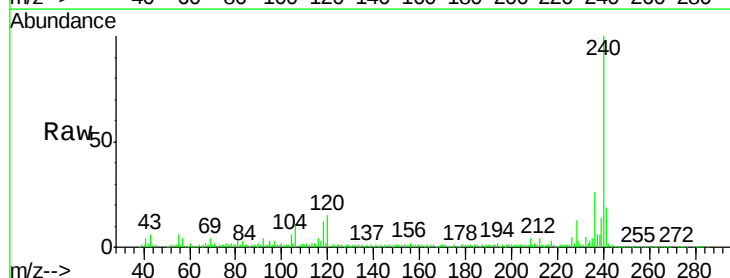
Tgt Ion:240 Resp: 268333

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

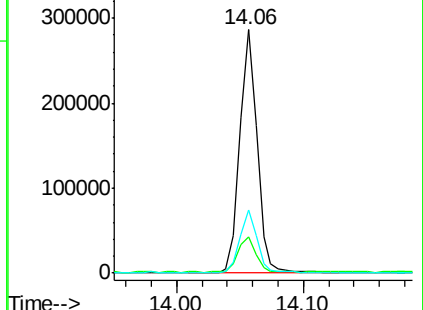
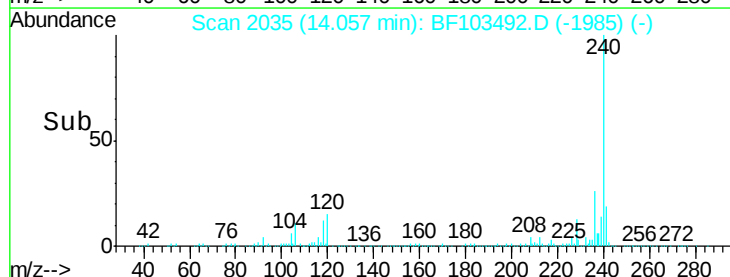
236 26.1 20.7 31.1

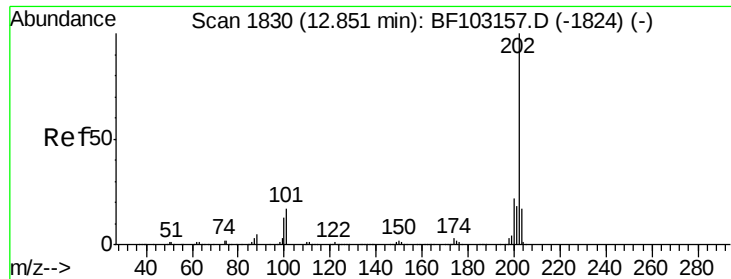


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

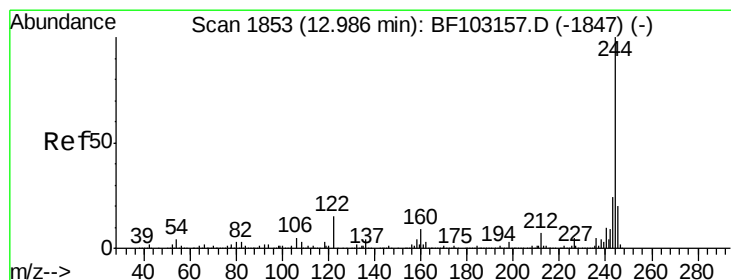
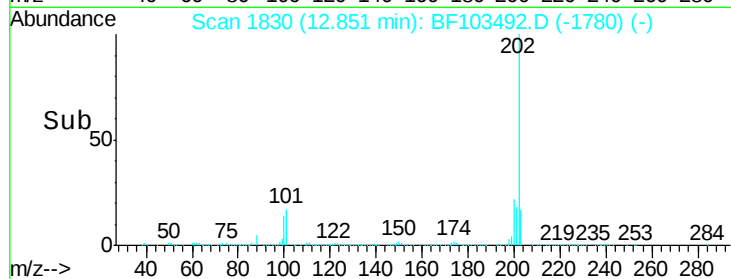
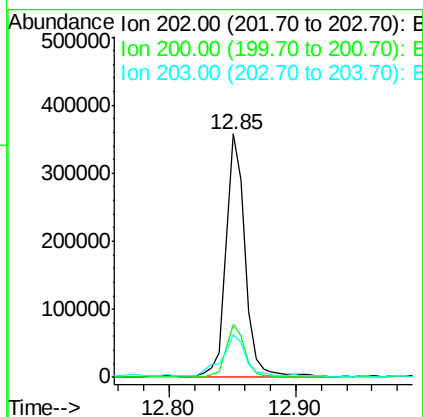
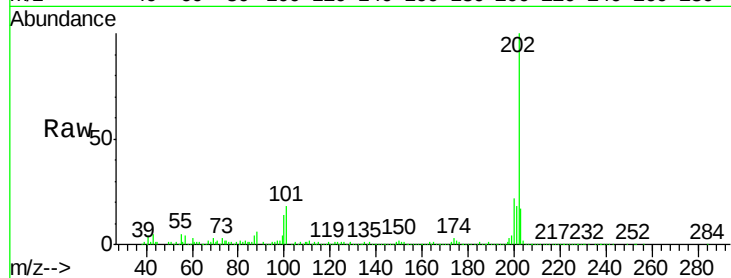




#77
Pvrene
Concen: 17.553 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

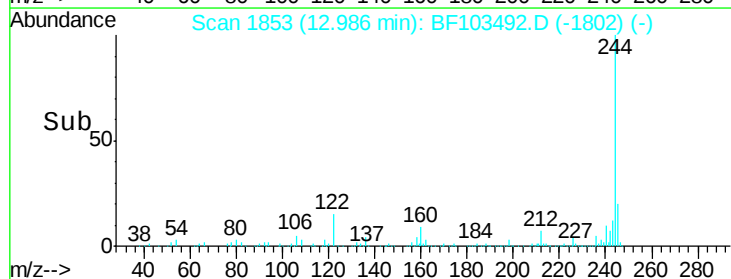
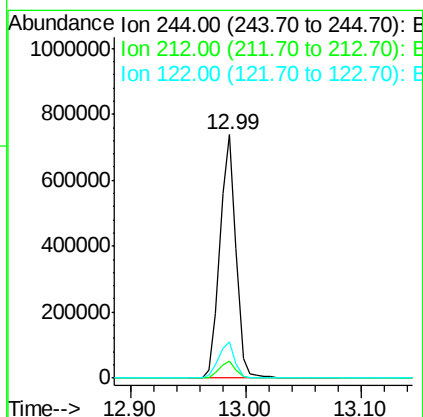
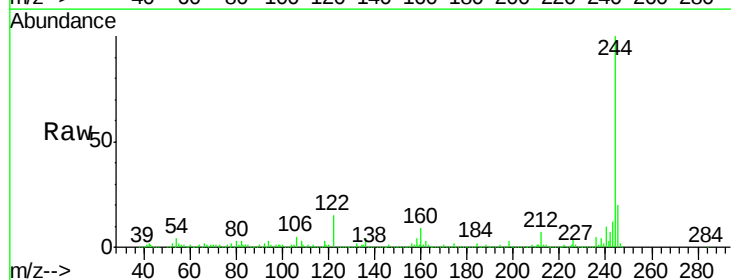
Instrument :
BNA_F
ClientSampled :

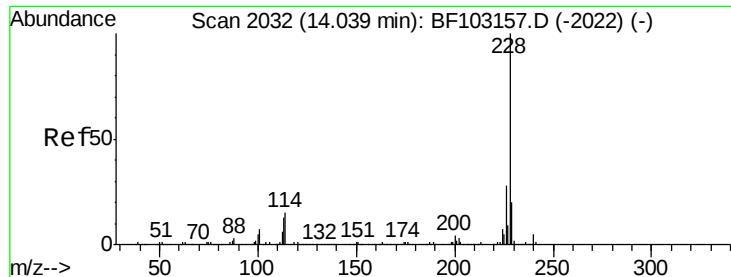
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.5	14.3	21.5



#78
Terphenyl-d14
Concen: 63.688 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.7	11.0	16.4

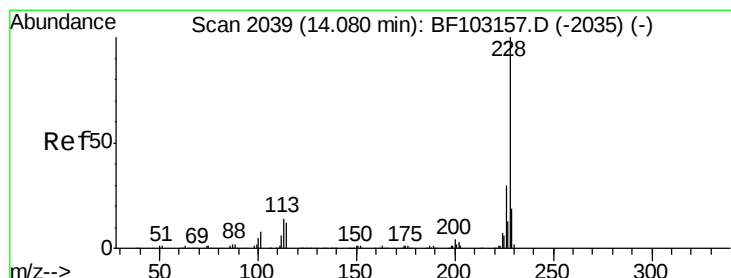
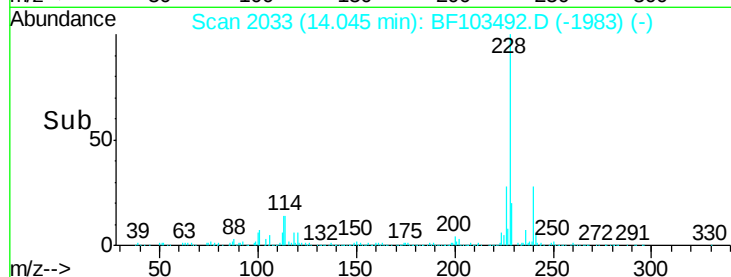
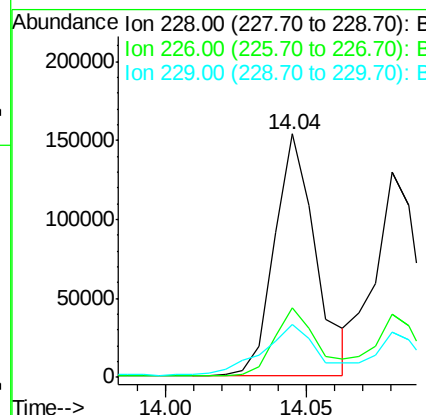
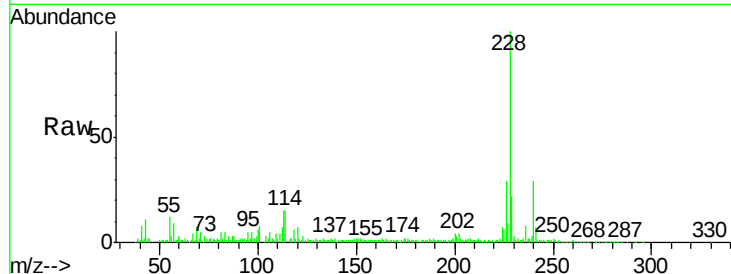




#80
Benzo(a)anthracene
Concen: 8.930 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

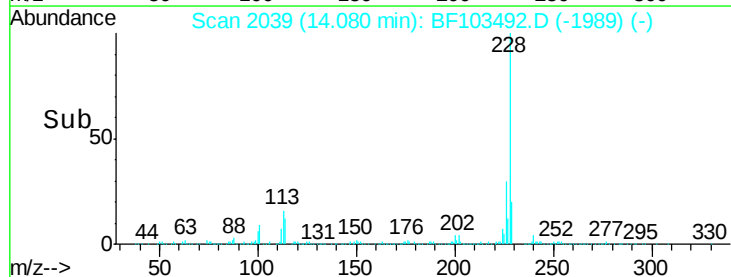
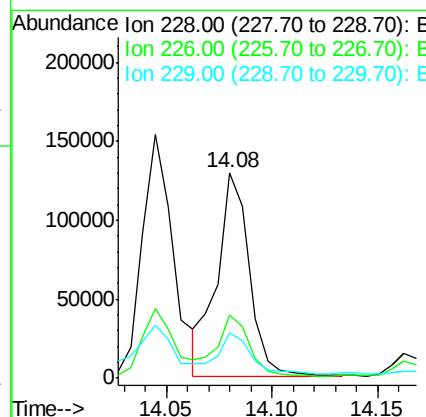
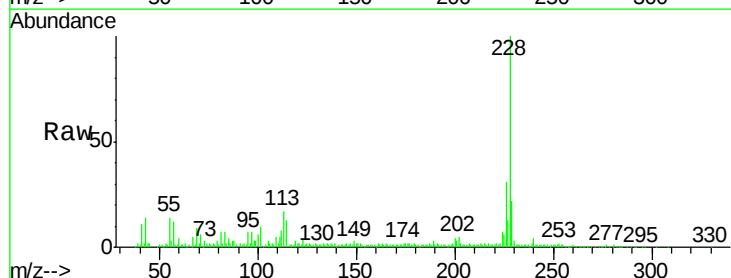
Instrument :
BNA_F
ClientSampleId :

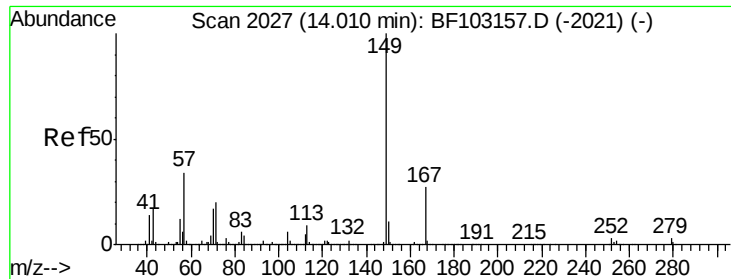
Tot Ion:228 Resp: 155473
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 8.162 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion:228 Resp: 137978
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 21.8 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.031 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampleId :

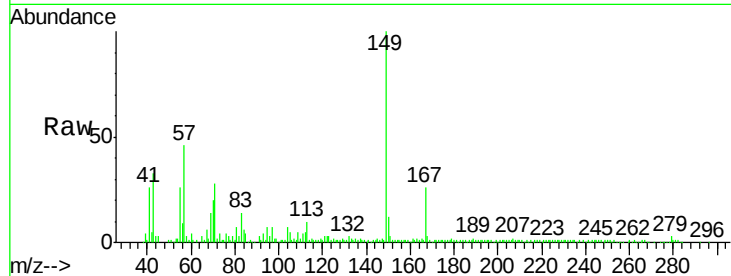
Tot Ion:149 Resp: 104880

Ion Ratio Lower Upper

149 100

167 26.4 21.3 31.9

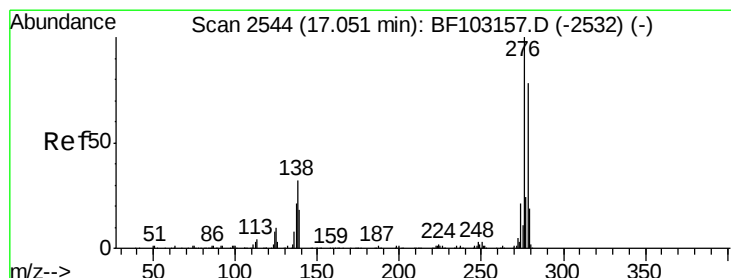
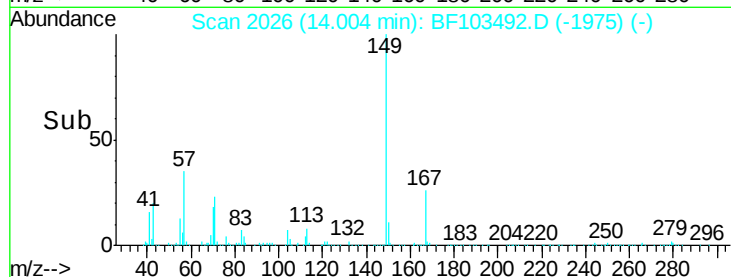
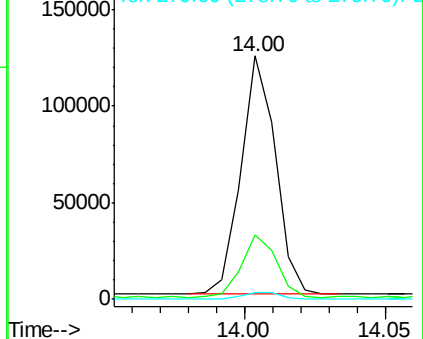
279 2.6 3.0 4.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.907 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

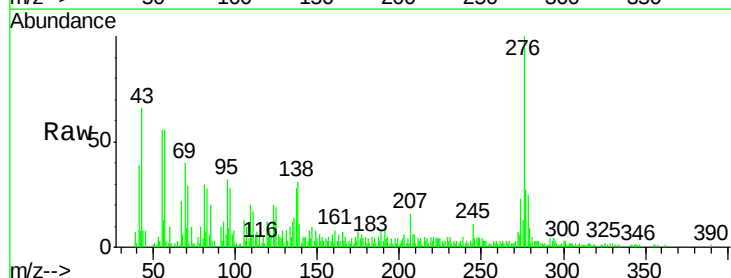
Tgt Ion:276 Resp: 65675

Ion Ratio Lower Upper

276 100

138 31.4 25.0 37.6

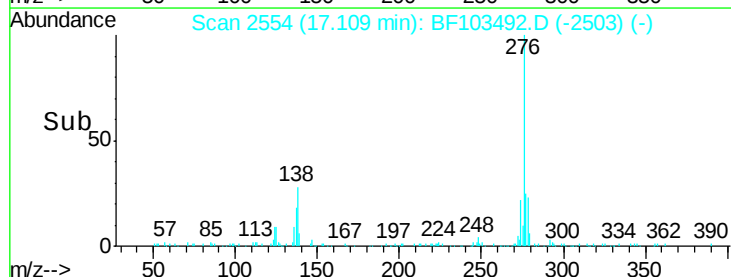
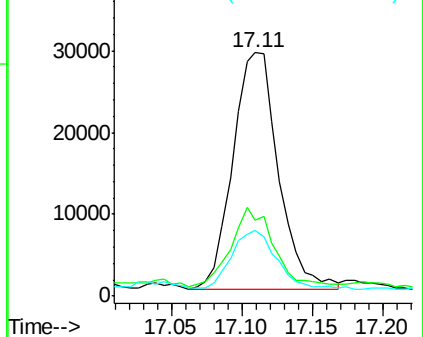
277 24.4 20.1 30.1

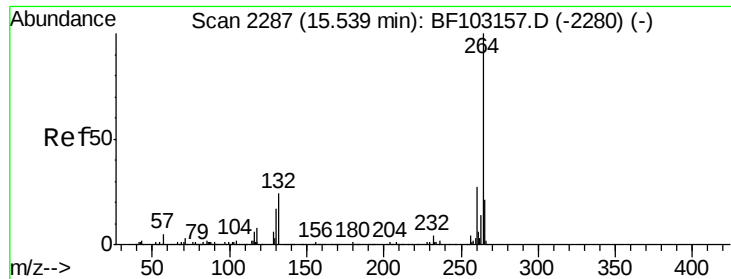


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



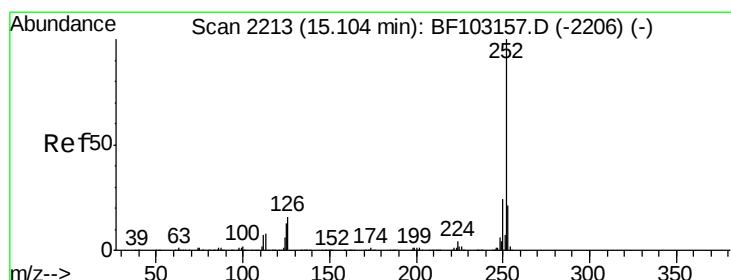
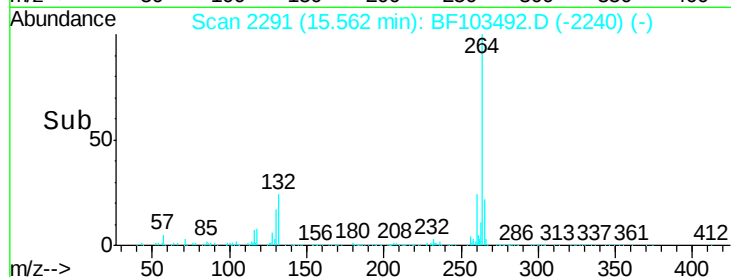
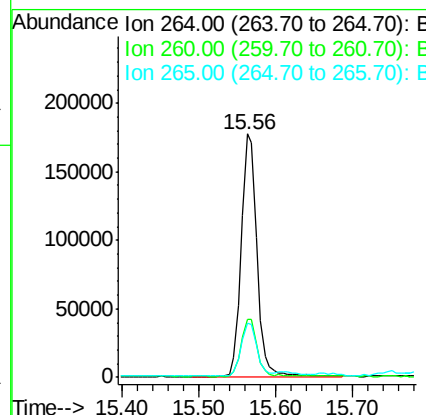
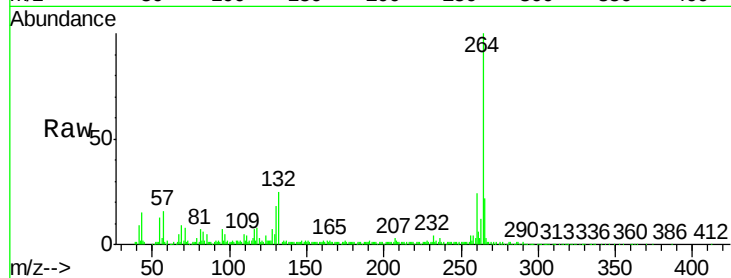


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.00 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 255182

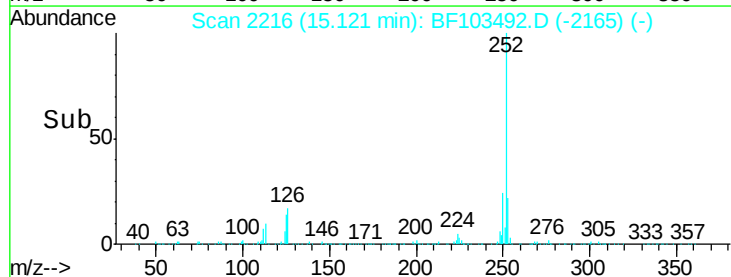
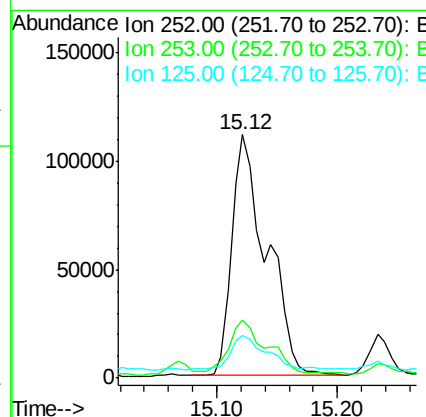
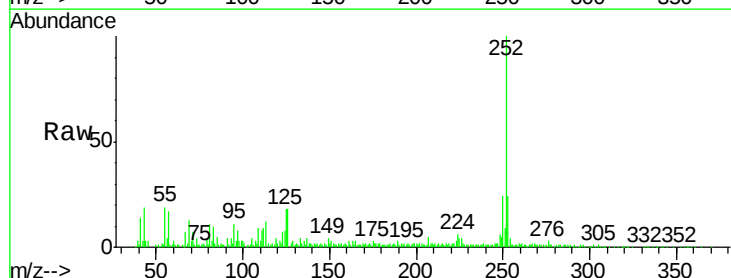
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.2	17.5	26.3

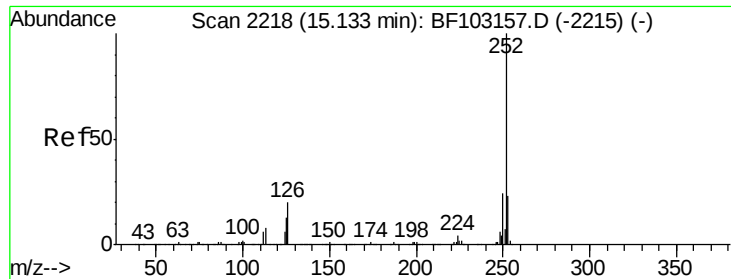


#87
Benzo(b)fluoranthene
Concen: 13.334 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion:252 Resp: 223726

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	17.8	9.0	13.6

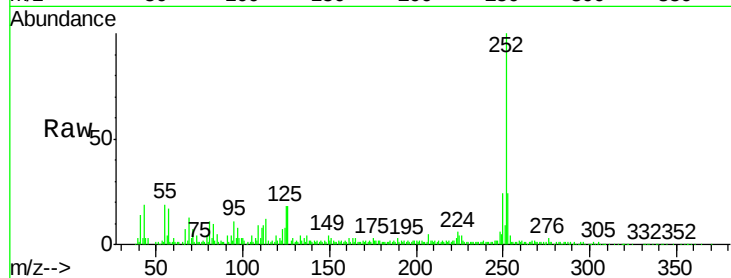




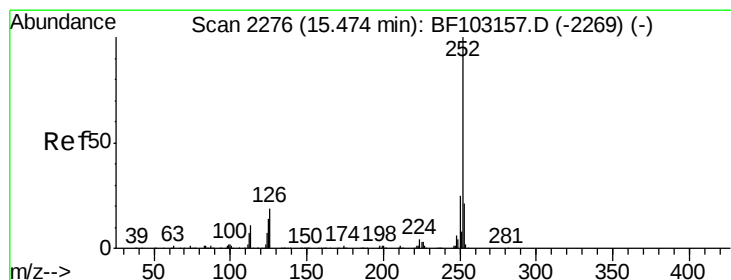
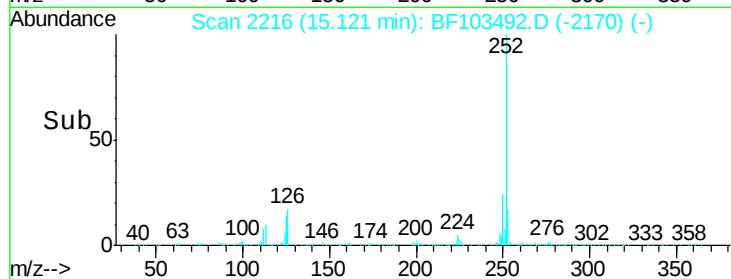
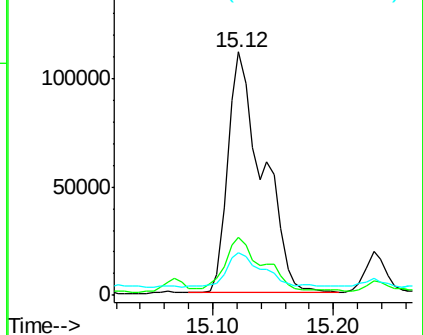
#88
Benzo(k)fluoranthene
Concen: 14.161 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	17.8	10.2	15.2

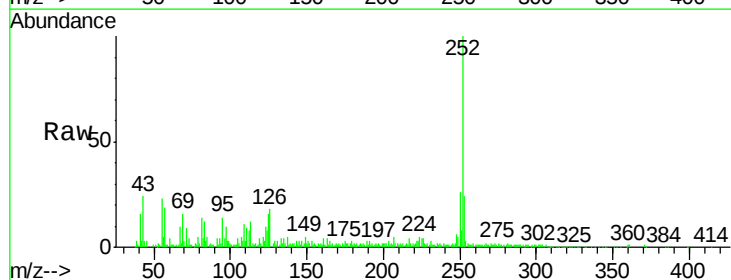


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

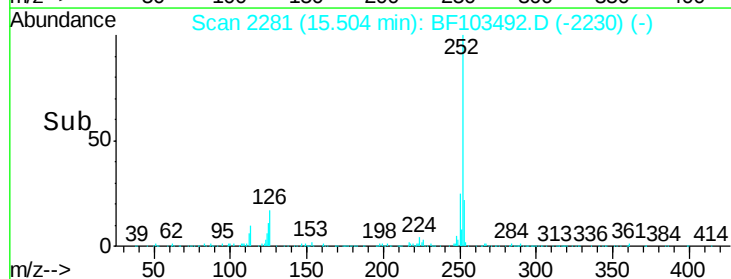
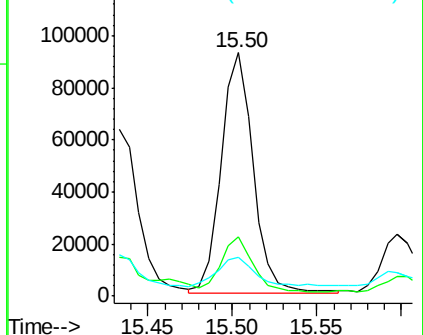


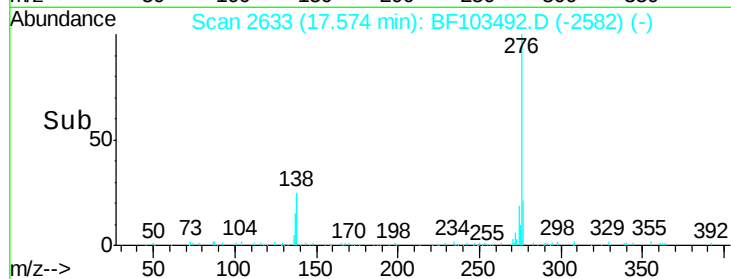
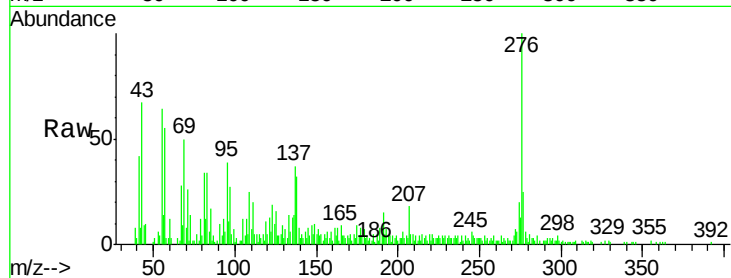
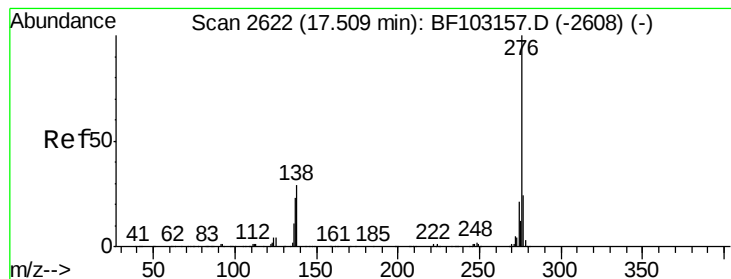
#89
Benzo(a)pyrene
Concen: 8.138 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103492.D
Acq: 7 Mar 2018 11:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	15.9	9.8	14.6



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

Benzo(a,h,i)perylene

Concen: 5.661 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.00 min

Lab File: BF103492.D

Acq: 7 Mar 2018 11:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 64060

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 31.9 21.8 32.8

