

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103274.D
 Acq On : 27 Feb 2018 20:14
 Operator : SJ/JU
 Sample : J1675-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:01:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140309	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	565496	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	222672	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	328967	20.00	ng	0.00
75) Chrysene-d12	14.06	240	240497	20.00	ng	0.00
86) Perylene-d12	15.56	264	173980	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	716072	77.19	ng	0.00
7) Phenol-d6	6.51	99	1068594	94.13	ng	0.00
23) Nitrobenzene-d5	7.44	82	685872	69.26	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	91498	48.55	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	951532	70.69	ng	0.00
78) Terphenyl-d14	12.99	244	626817	62.65	ng	0.00

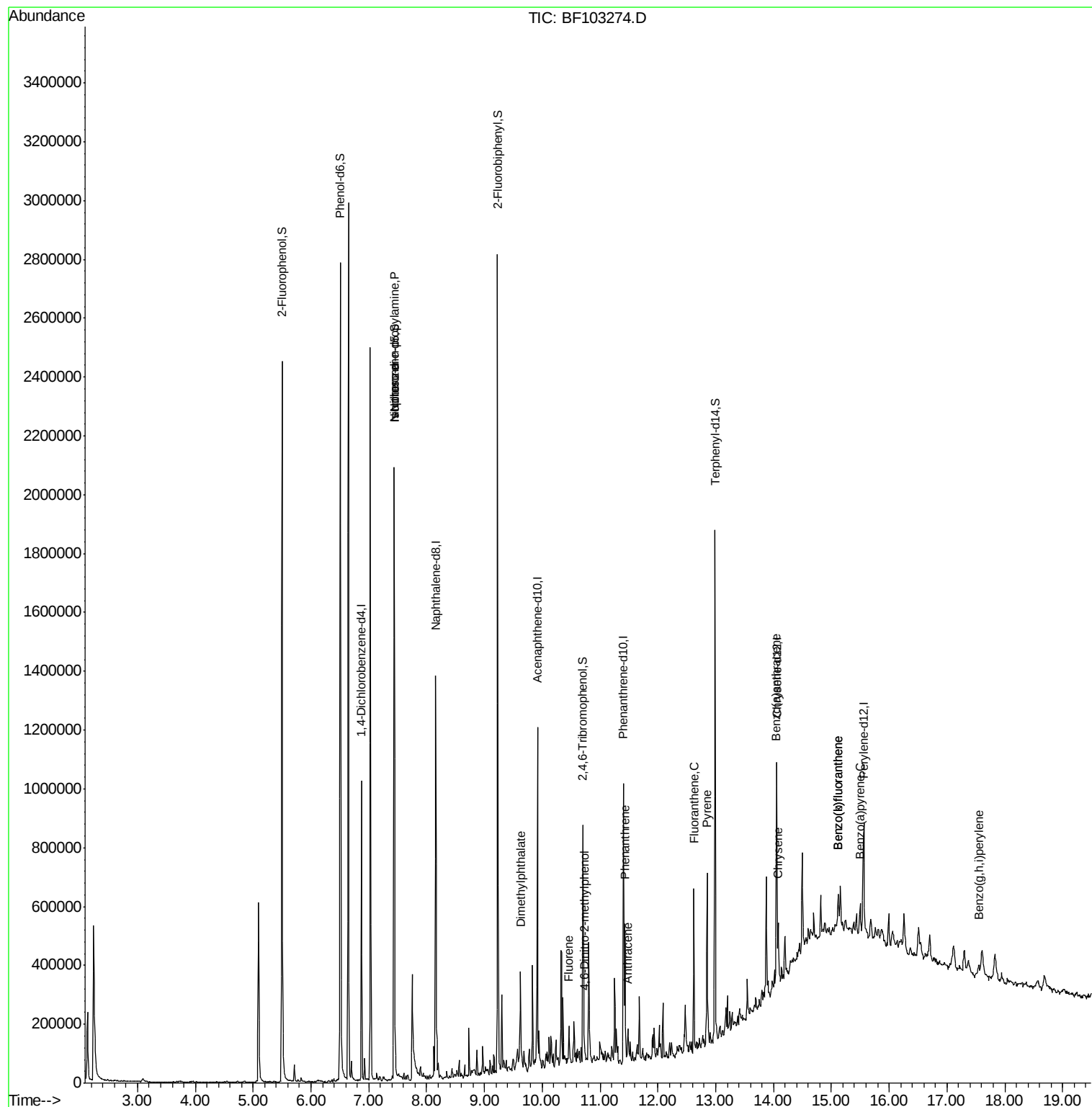
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1161	Below Cal	#	69
19) n-Nitroso-di-n-propylamine	7.44	70	90444	12.80	ng	81
25) Isophorone	7.44	82	683455	35.04	ng	64
49) Dimethylphthalate	9.62	163	89200	4.99	ng	99
57) Fluorene	10.46	166	34969	2.26	ng	99
64) 4,6-Dinitro-2-methylphenol	10.73	198	136	5.01	ng	# 1
70) Phenanthrene	11.43	178	163461	9.03	ng	98
71) Anthracene	11.48	178	46631	2.51	ng	96
74) Fluoranthene	12.62	202	195763	10.76	ng	98
77) Pyrene	12.85	202	198769	10.60	ng	99
80) Benzo(a)anthracene	14.04	228	80452	5.16	ng	98
82) Chrysene	14.08	228	72250	4.77	ng	97
87) Benzo(b)fluoranthene	15.12	252	86209	7.54	ng	# 79
88) Benzo(k)fluoranthene	15.12	252	86209	8.00	ng	# 82
89) Benzo(a)pyrene	15.50	252	43037	4.21	ng	# 78
91) Benzo(g,h,i)perylene	17.55	276	23270	3.02	ng	# 91

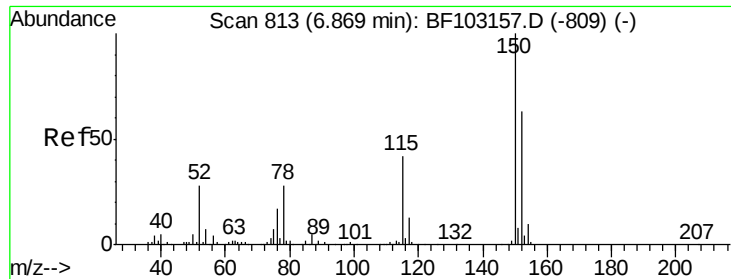
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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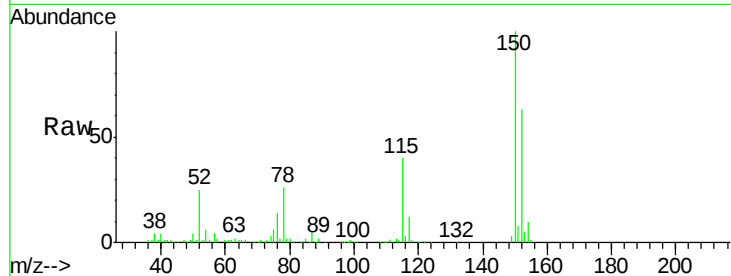


#1

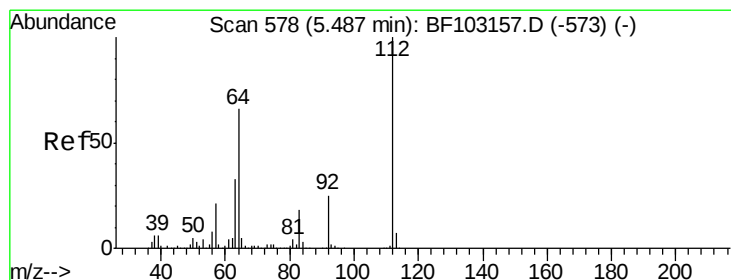
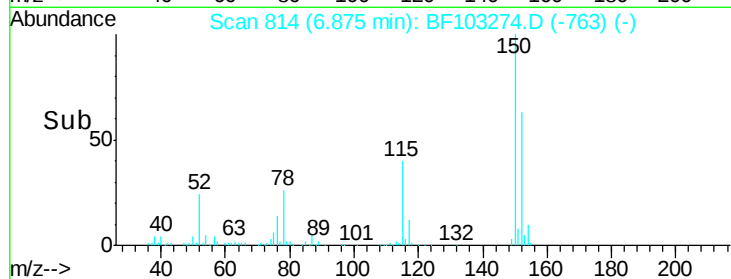
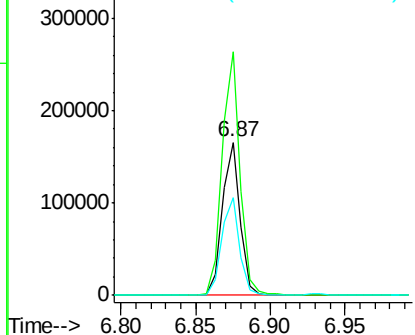
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	63.6	50.1	75.1



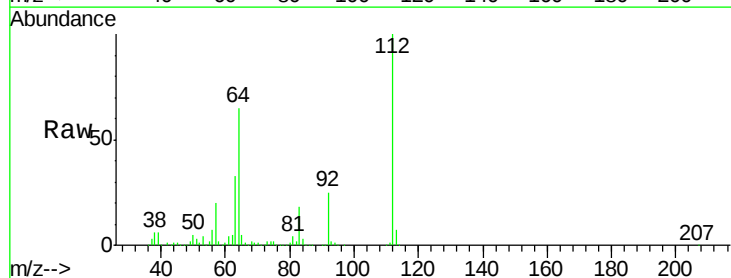
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



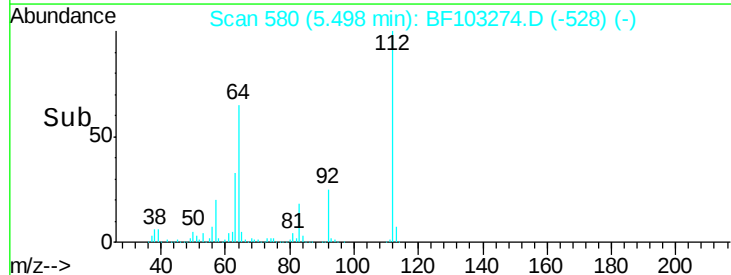
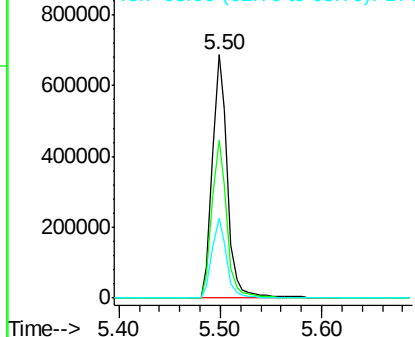
#5

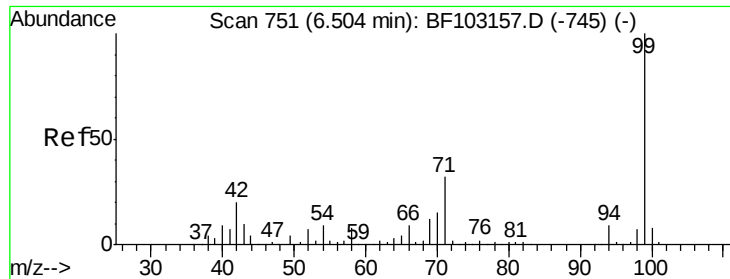
2-Fluorophenol
Concen: 77.19 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	47.9	71.9
63	32.9	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: 94.13 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampleId :

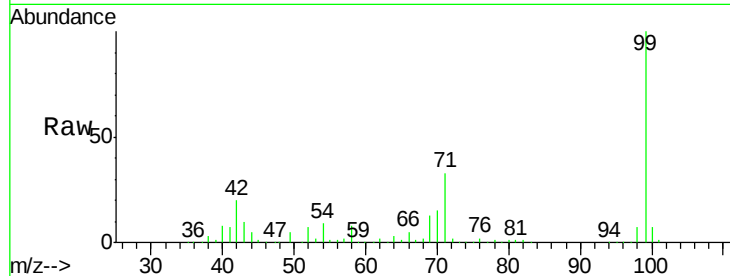
Tot Ion: 99 Resp: 1068594

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

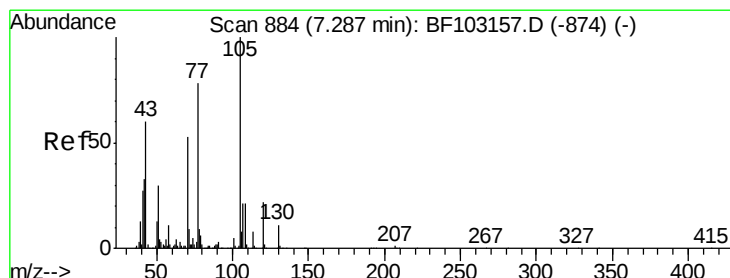
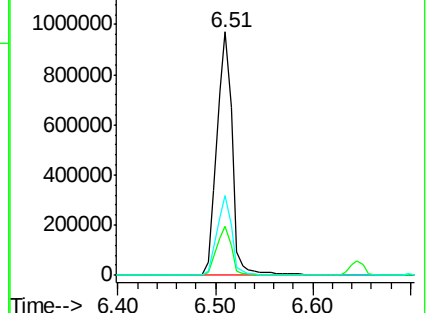
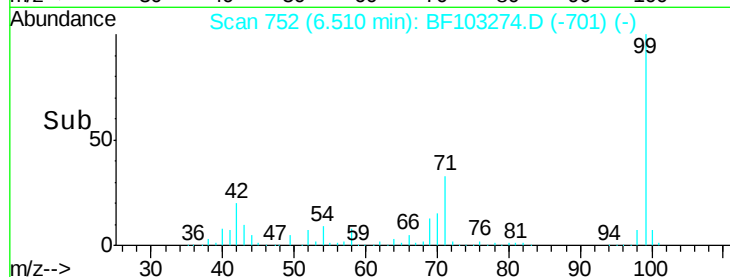
71 33.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.80 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Tgt Ion: 70 Resp: 90444

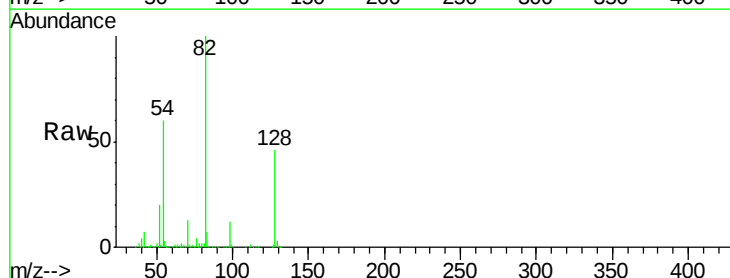
Ion Ratio Lower Upper

70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

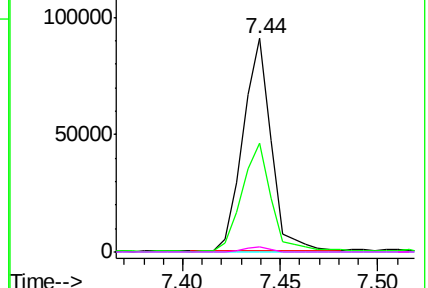
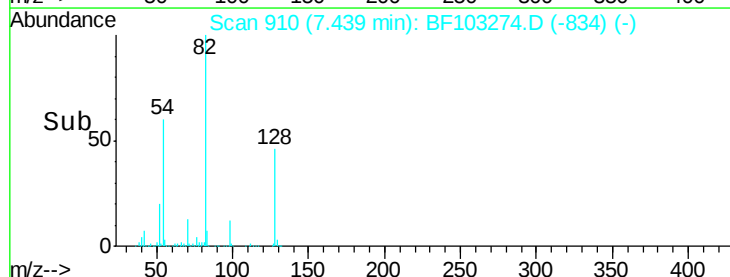


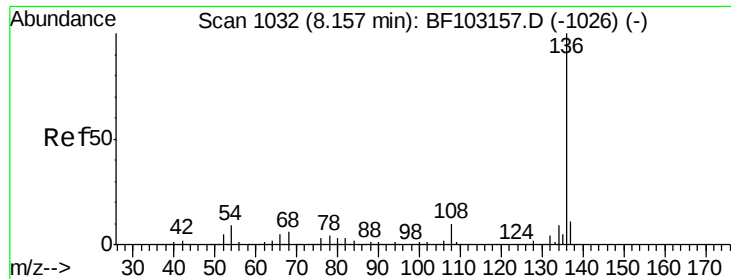
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 565496

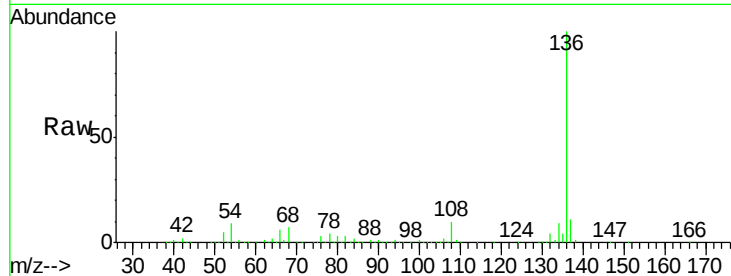
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.4 6.6 9.8

68 6.7 5.0 7.4

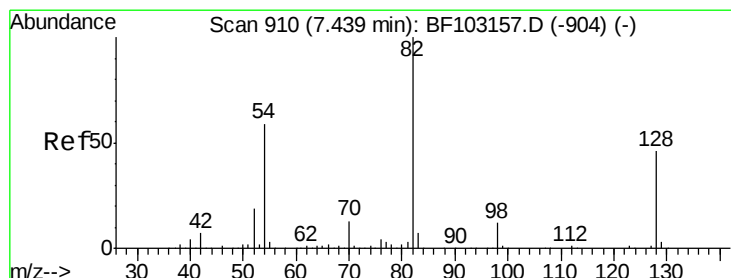
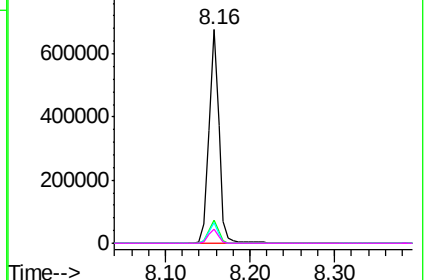
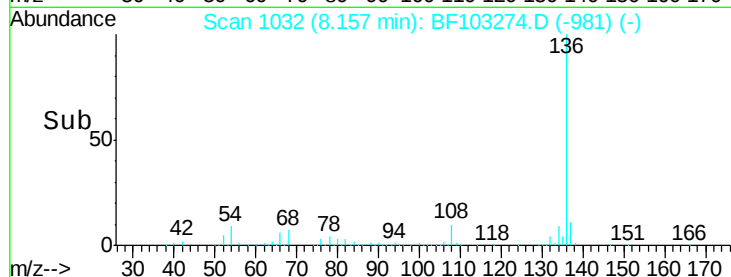


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.26 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

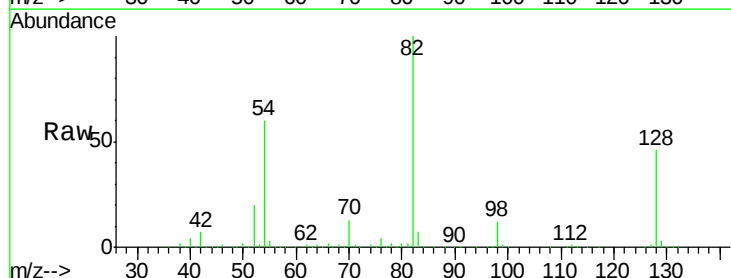
Tgt Ion: 82 Resp: 685872

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

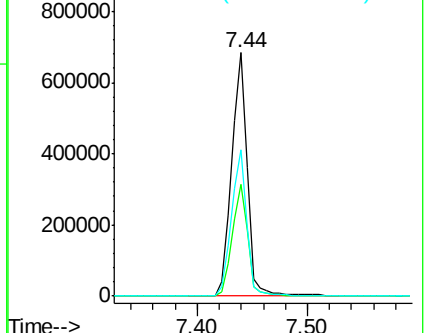
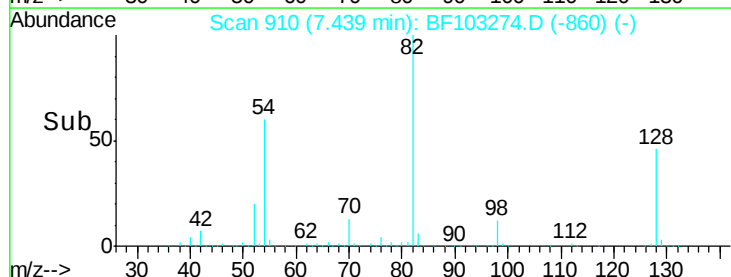
54 60.2 41.4 62.2

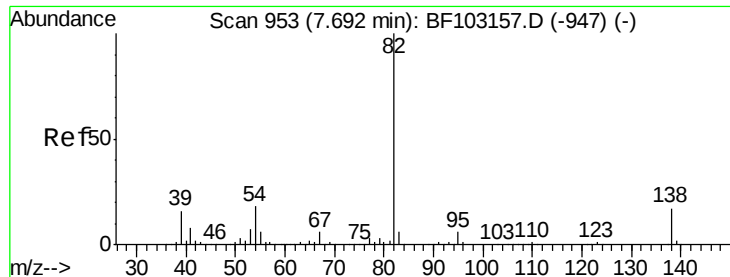


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.04 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampled :

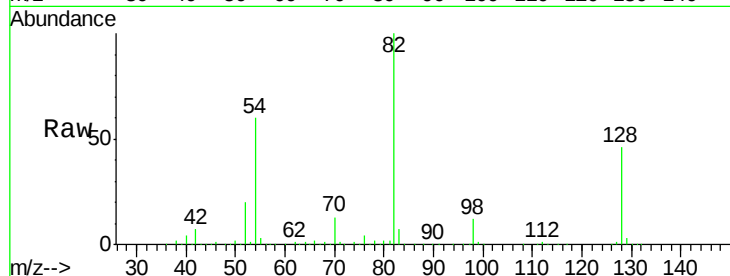
Tot Ion: 82 Resp: 683455

Ion Ratio Lower Upper

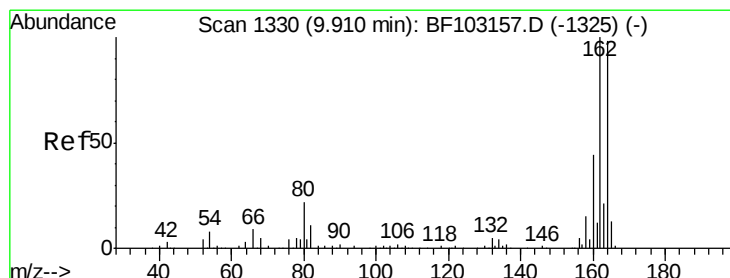
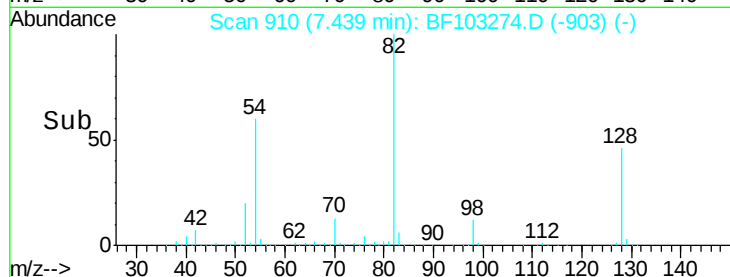
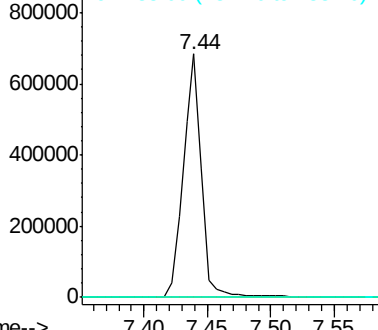
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

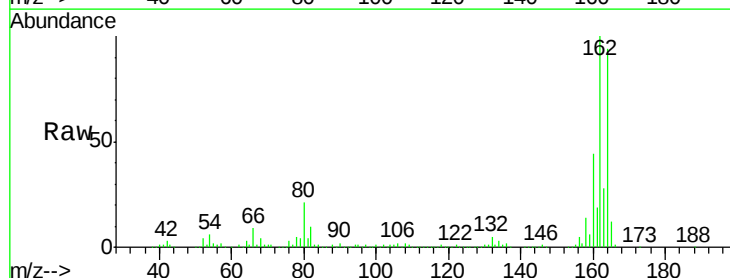
Tgt Ion: 164 Resp: 222672

Ion Ratio Lower Upper

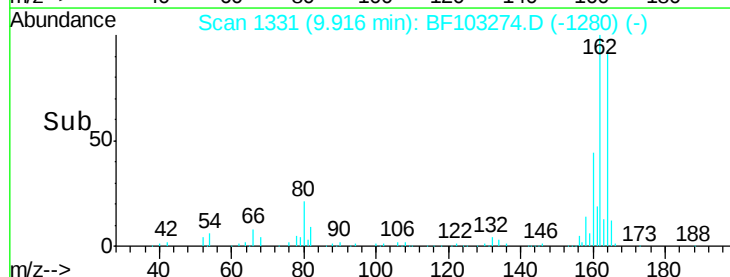
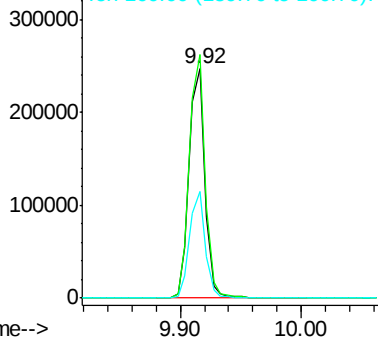
164 100

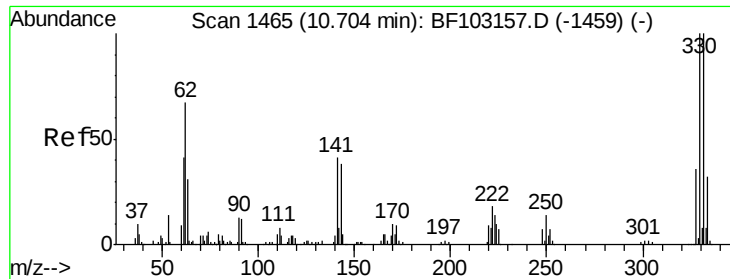
162 106.3 86.1 129.1

160 46.8 38.3 57.5



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

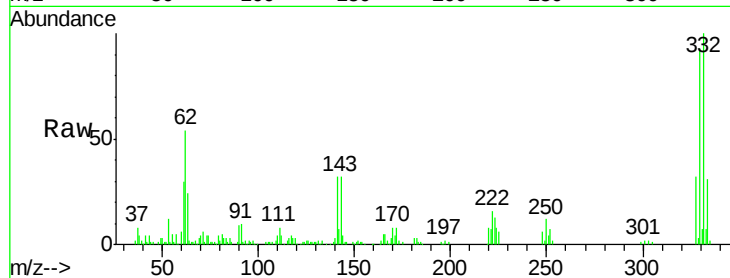




#41
 2,4,6-Tribromophenol
 Concen: 48.55 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.5	77.0	115.6
141	42.1	29.9	44.9

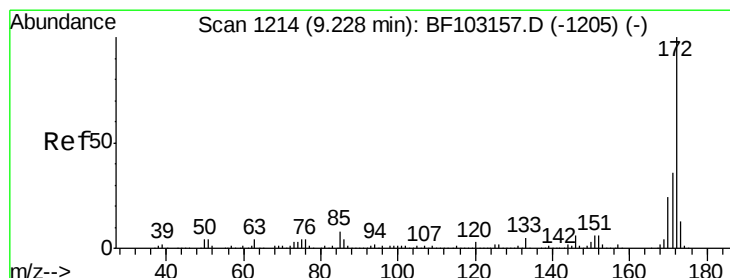
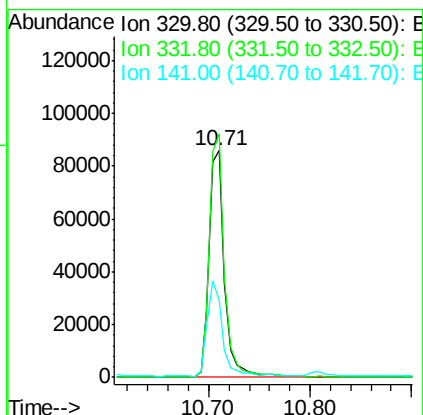
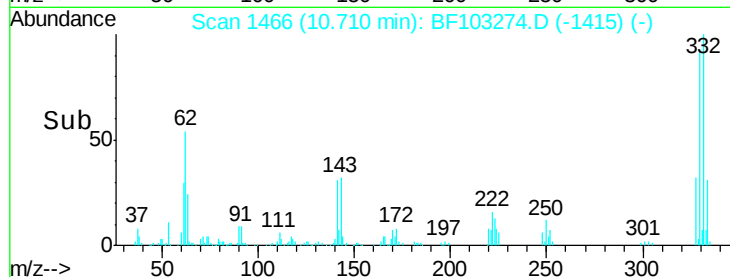


Abundance

Ion 329.80 (329.50 to 330.50): E

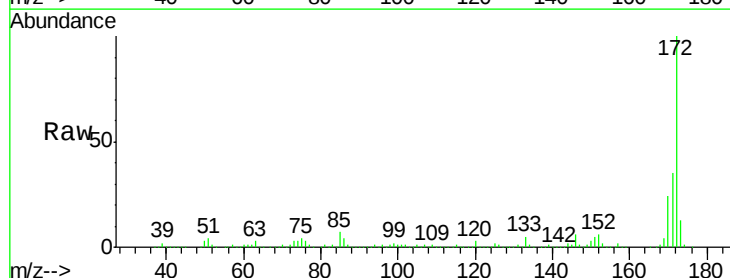
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 70.69 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	19.6	29.4

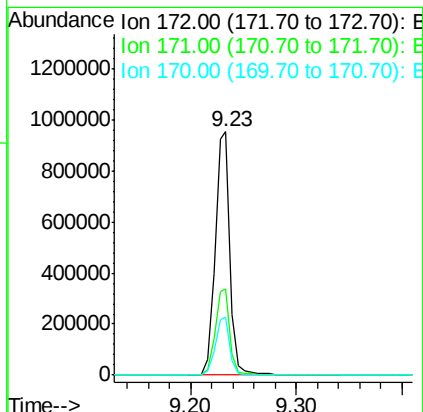
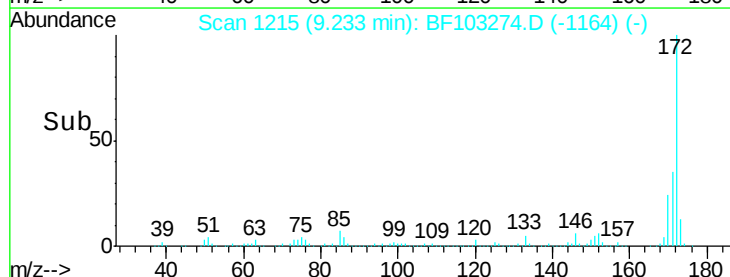


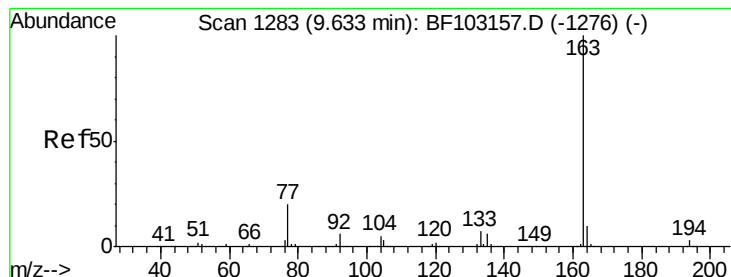
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.99 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampled :

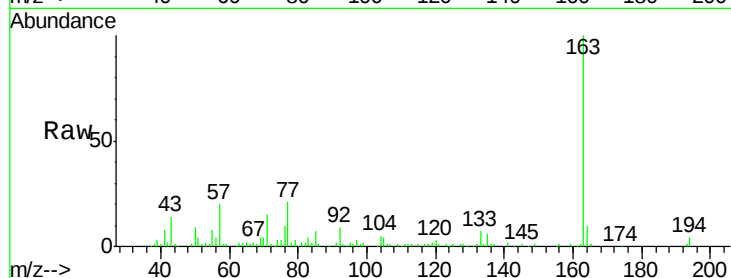
Tot Ion:163 Resp: 89200

Ion Ratio Lower Upper

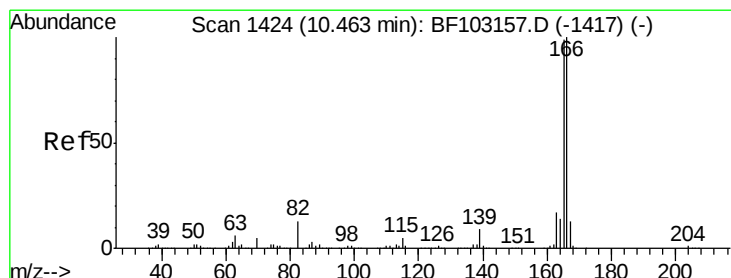
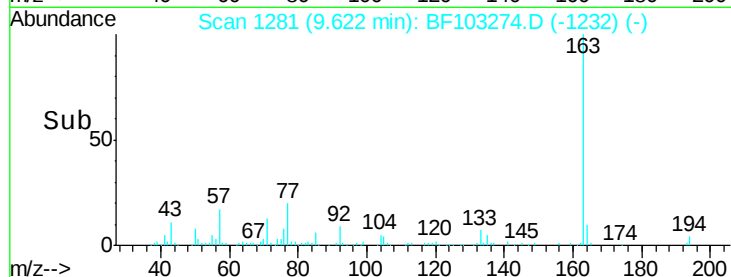
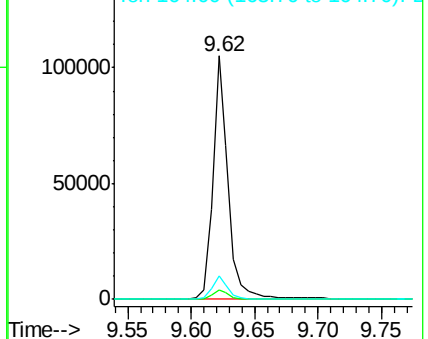
163 100

194 3.7 2.7 4.1

164 9.7 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



#57

Fluorene

Concen: 2.26 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

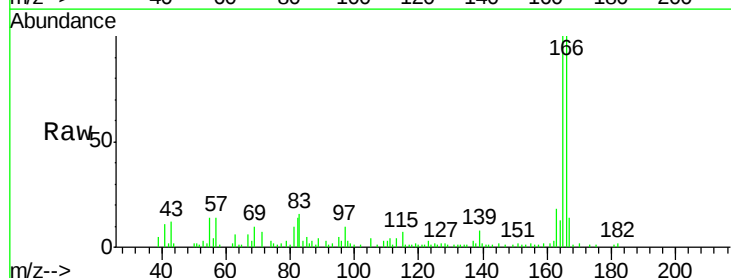
Tgt Ion:166 Resp: 34969

Ion Ratio Lower Upper

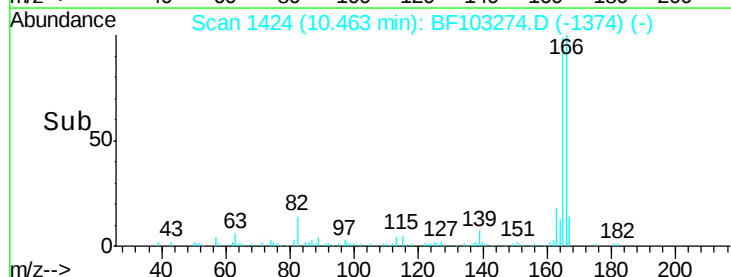
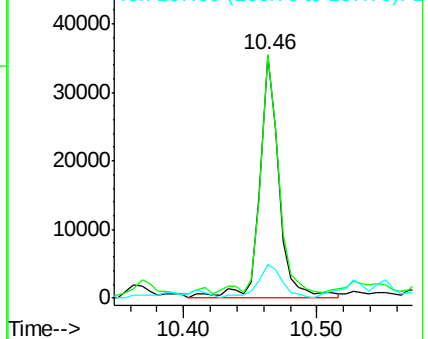
166 100

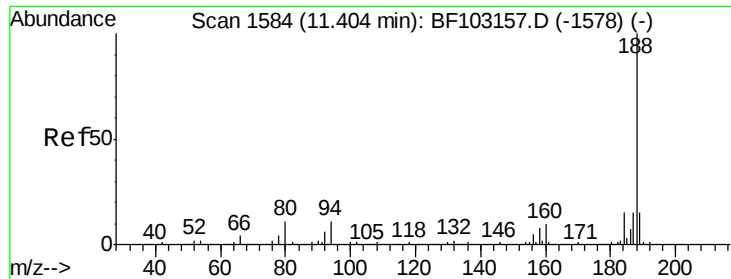
165 100.2 79.8 119.8

167 13.9 10.6 16.0



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

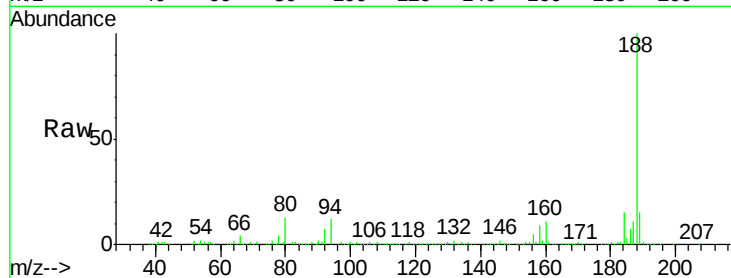




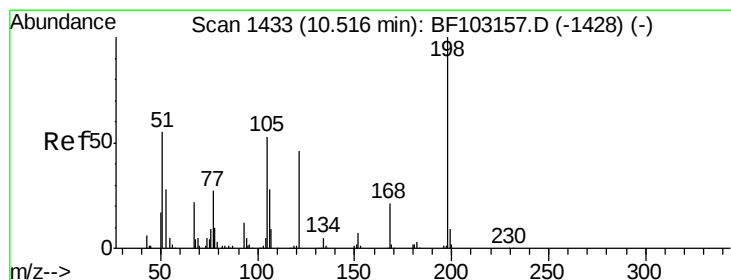
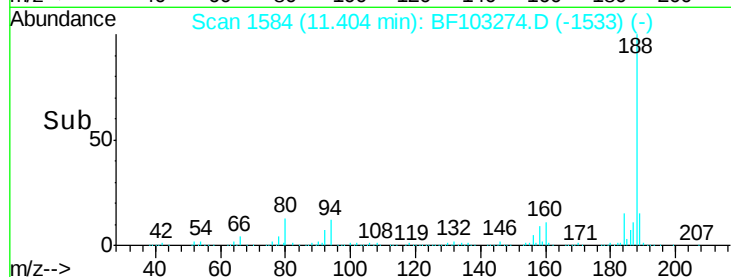
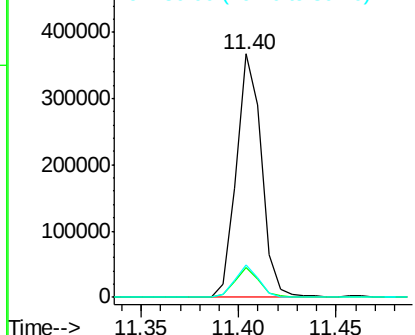
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 328967
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 13.1 9.2 13.8

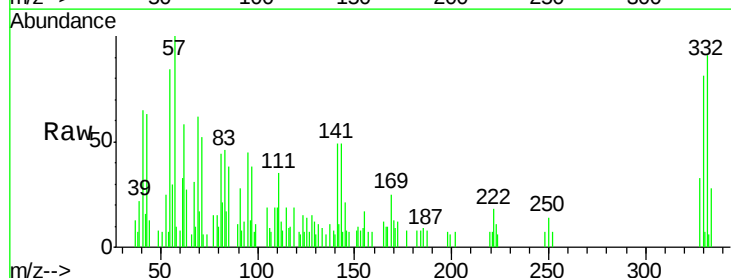


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

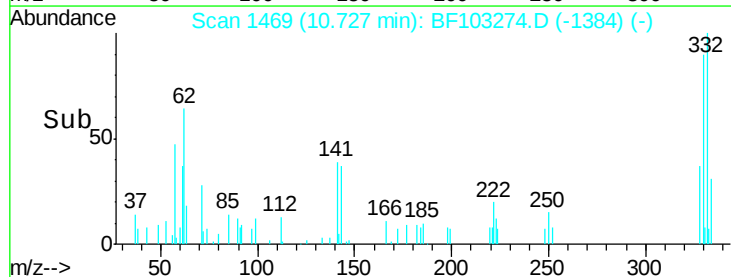
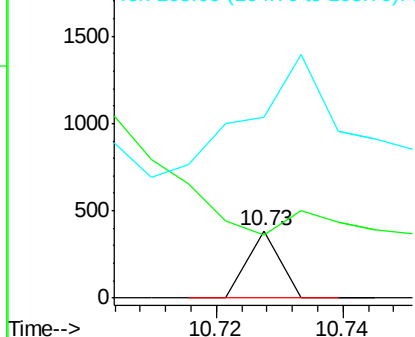


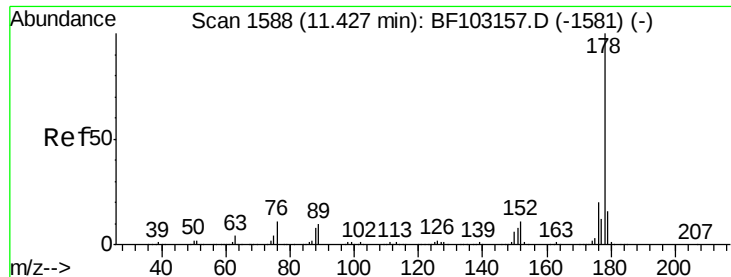
#64
4,6-Dinitro-2-methylphenol
Concen: 5.01 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.20 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion:198 Resp: 136
Ion Ratio Lower Upper
198 100
51 93.2 37.7 77.7#
105 268.8 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

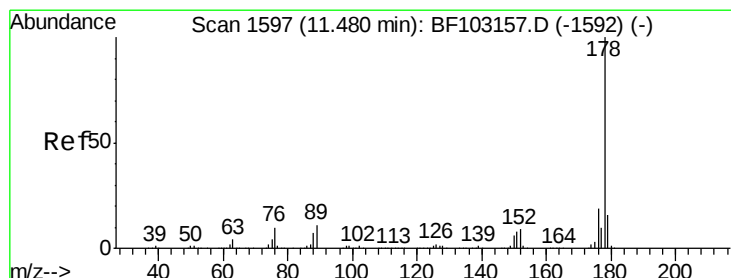
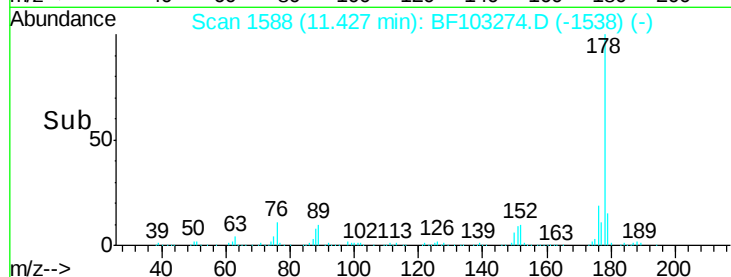
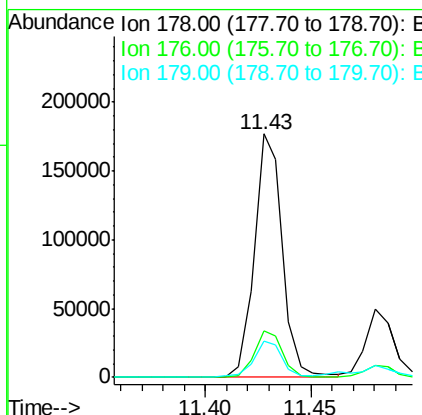
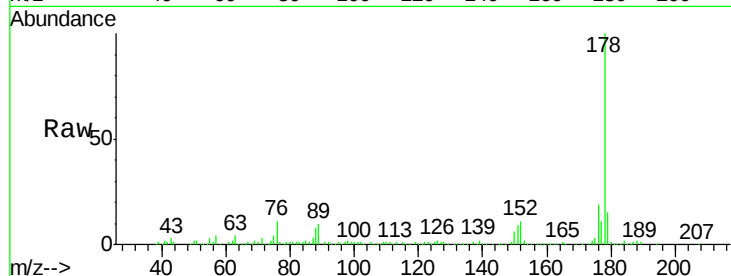




#70
Phenanthrene
Concen: 9.03 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

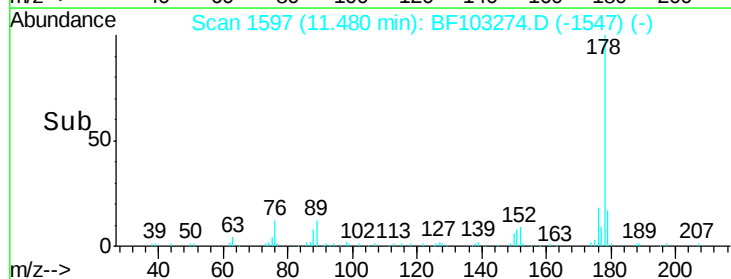
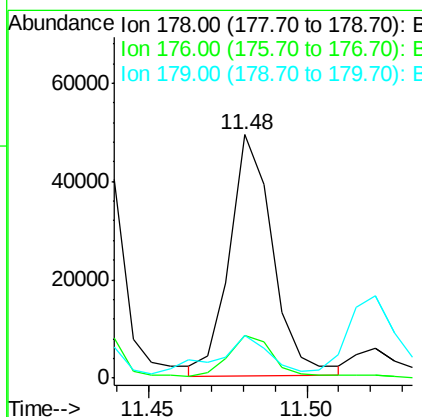
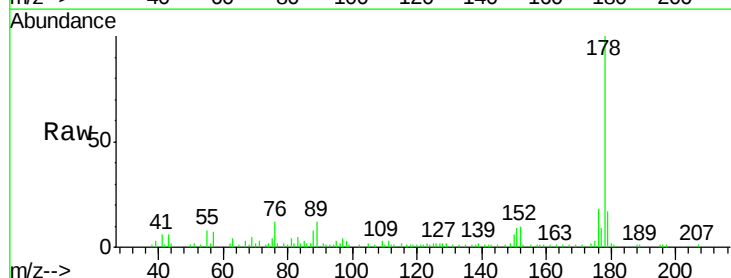
Instrument :
BNA_F
ClientSampleId :

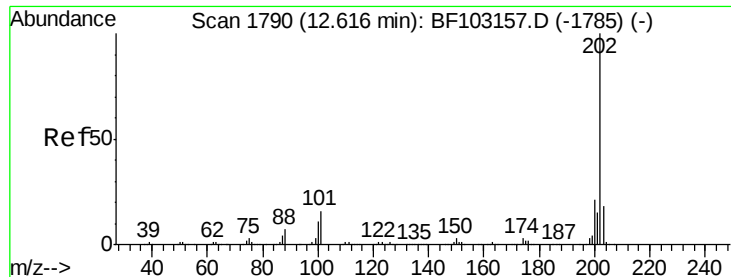
Tot Ion:178 Resp: 163461
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.9 13.0 19.6



#71
Anthracene
Concen: 2.51 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion:178 Resp: 46631
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 17.3 12.6 19.0





#74

Fluoranthene

Concen: 10.76 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampleId :

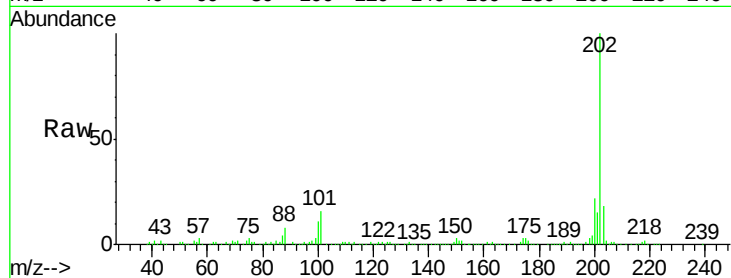
Tot Ion:202 Resp: 195763

Ion Ratio Lower Upper

202 100

101 16.3 0.0 34.1

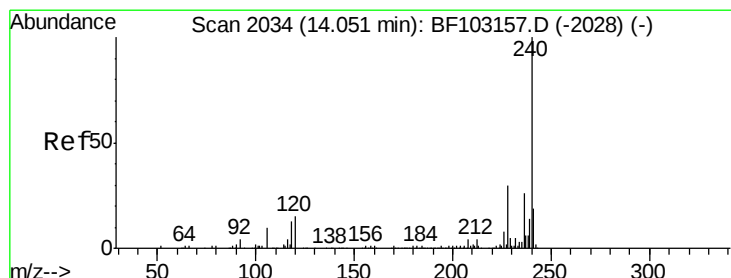
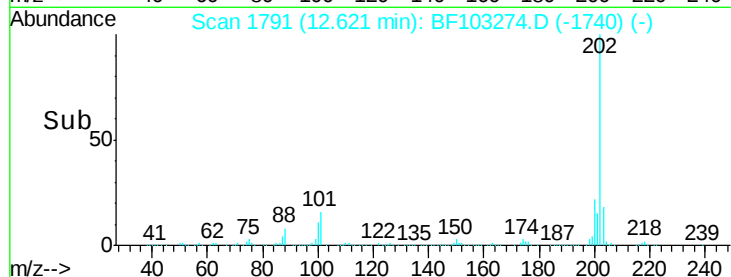
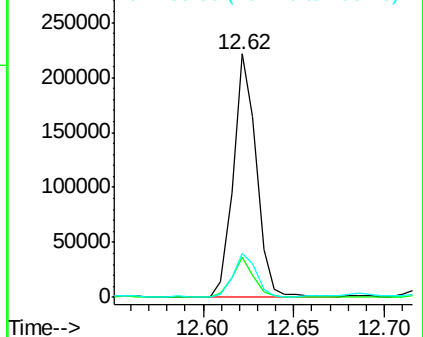
203 18.2 0.0 38.1



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: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

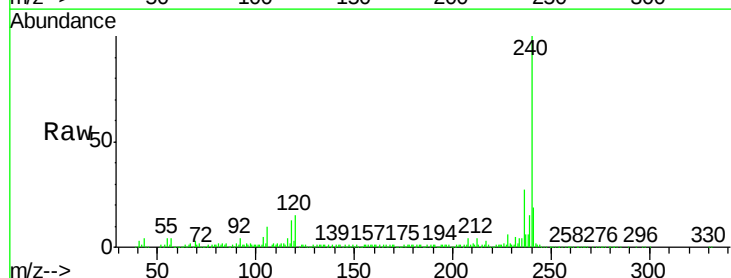
Tgt Ion:240 Resp: 240497

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

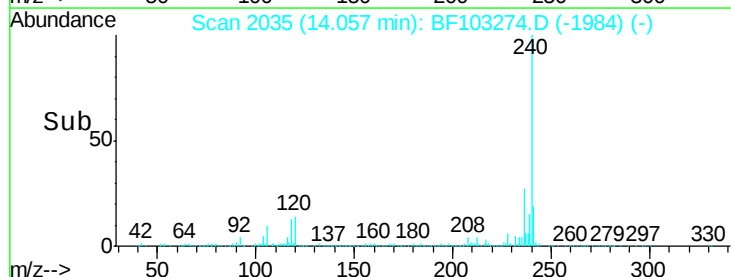
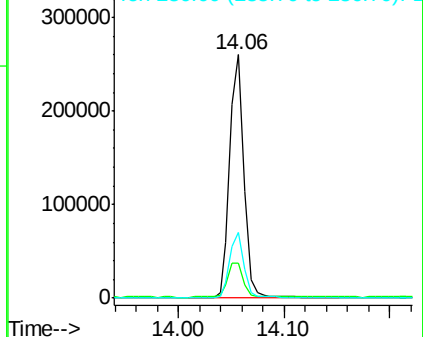
236 26.9 20.7 31.1

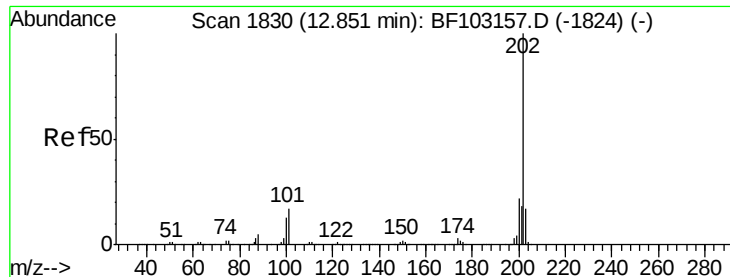


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.60 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampled :

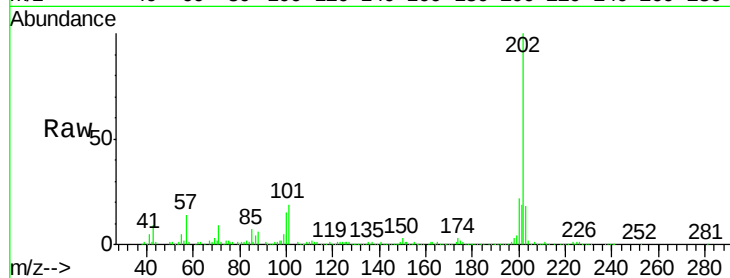
Tot Ion:202 Resp: 198769

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

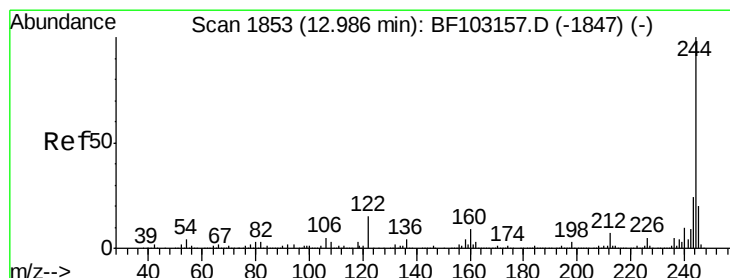
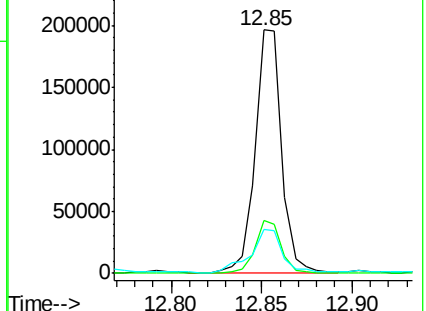
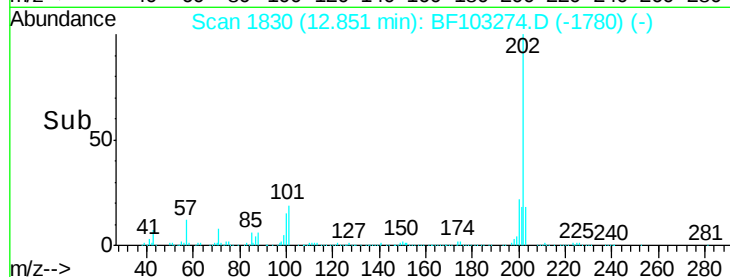
203 18.3 14.3 21.5



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



#78

Terphenyl-d14

Concen: 62.65 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

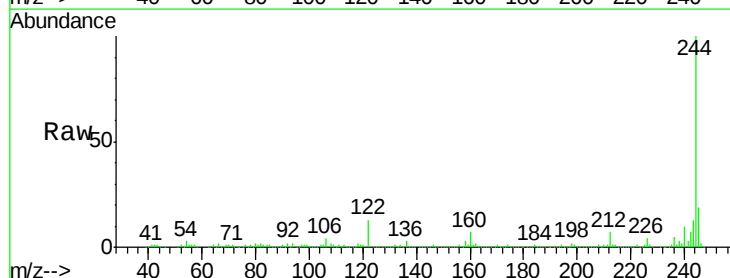
Tgt Ion:244 Resp: 626817

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

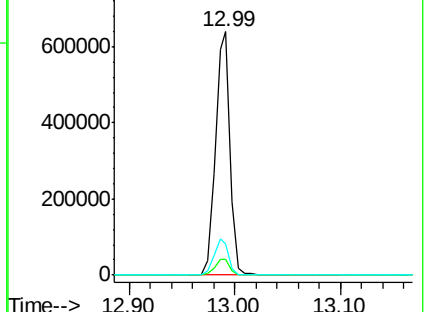
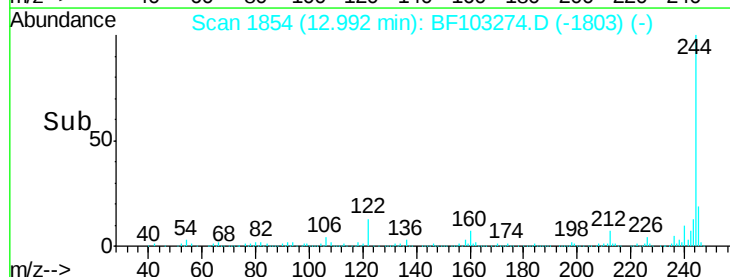
122 12.7 11.0 16.4

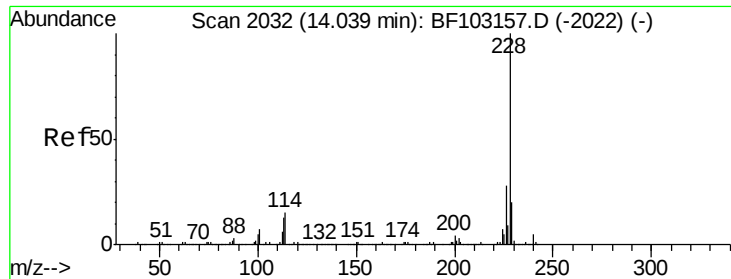


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

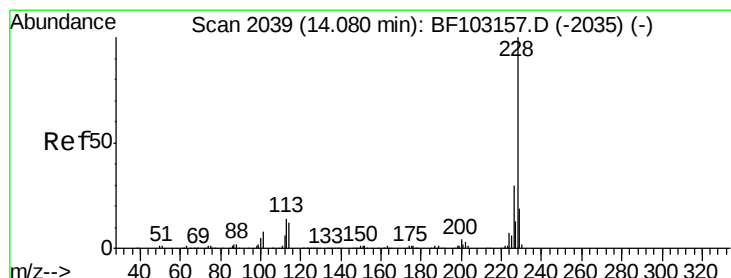
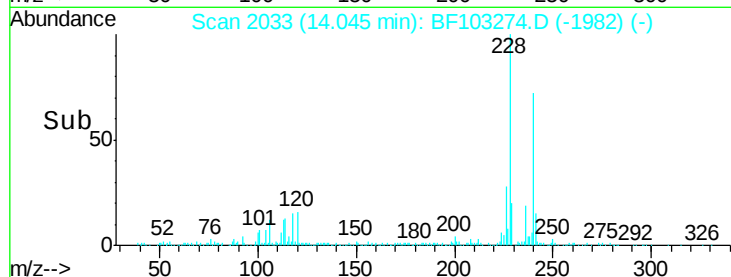
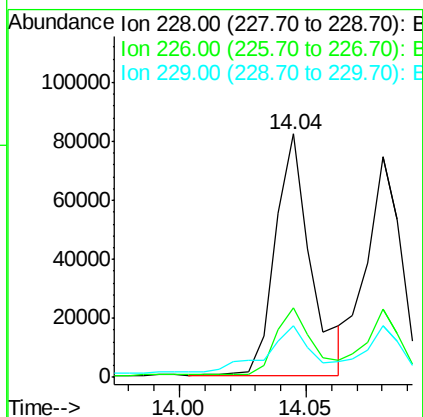
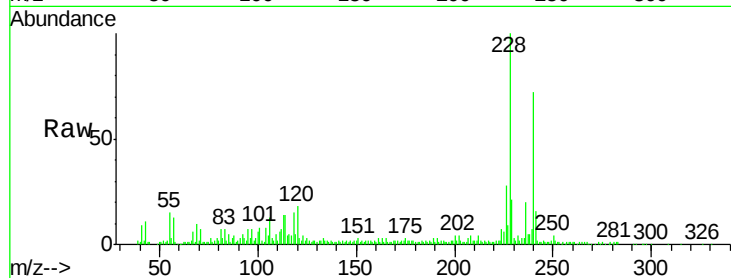




#80
Benzo(a)anthracene
Concen: 5.16 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

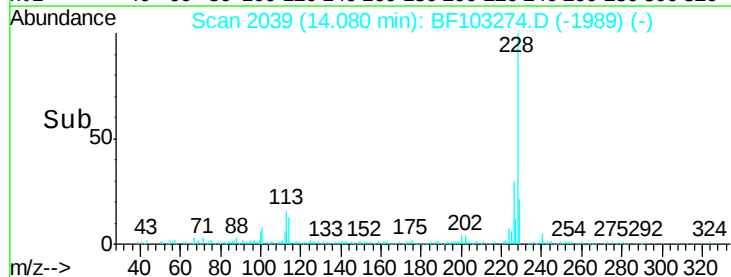
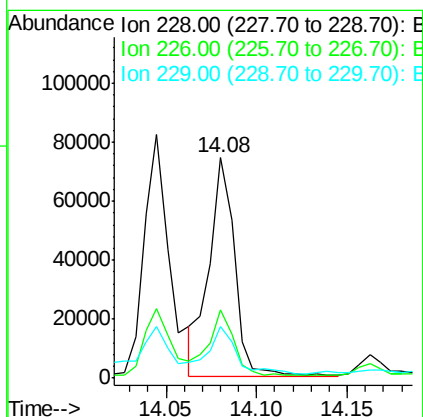
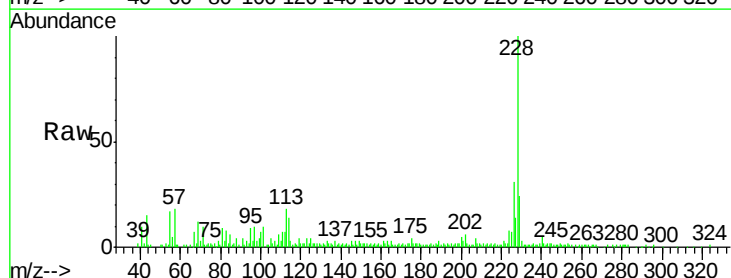
Instrument :
BNA_F
ClientSampleId :

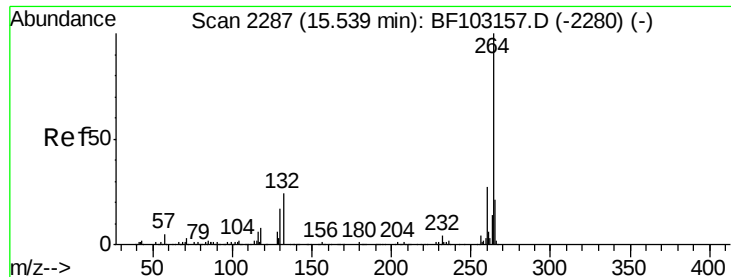
Tot Ion:228 Resp: 80452
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 21.3 15.8 23.6



#82
Chrysene
Concen: 4.77 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion:228 Resp: 72250
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 23.5 16.2 24.4

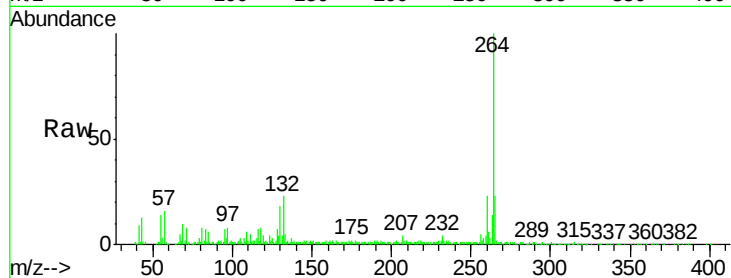




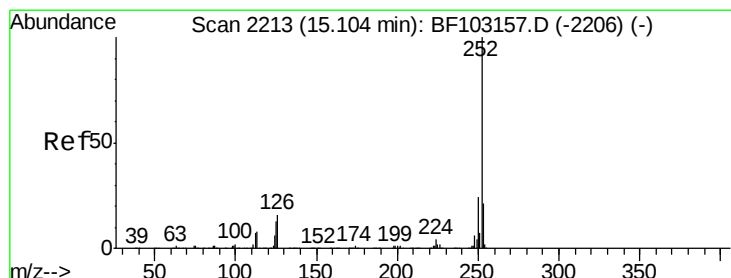
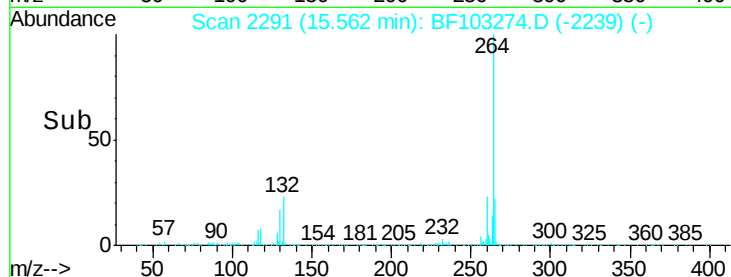
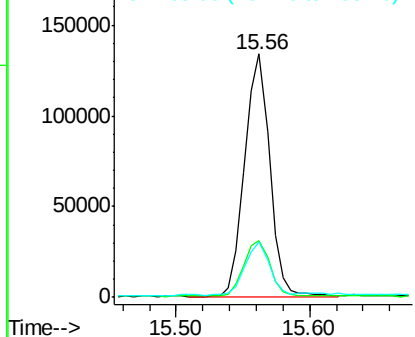
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 173980
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.7 17.5 26.3

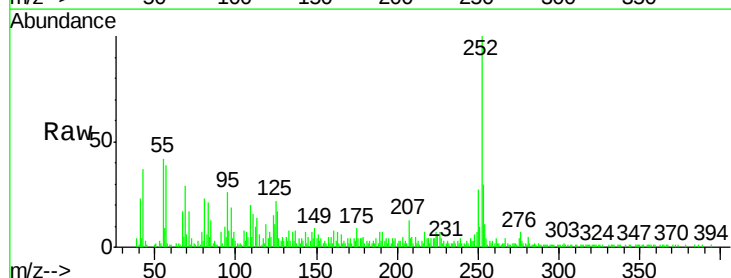


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

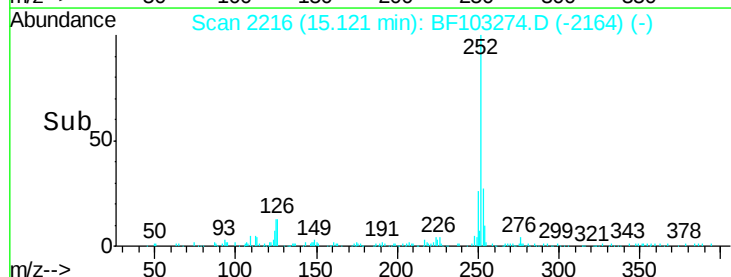
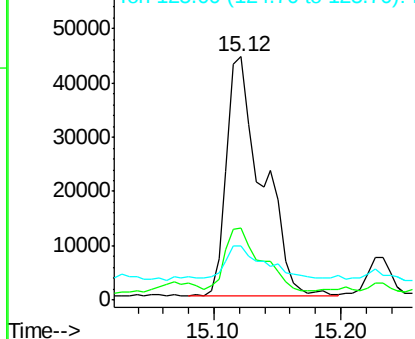


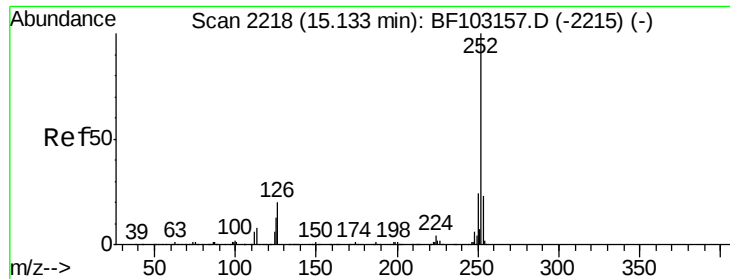
#87
Benzo(b)fluoranthene
Concen: 7.54 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion:252 Resp: 86209
Ion Ratio Lower Upper
252 100
253 29.5 17.0 25.6#
125 22.3 9.0 13.6#



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

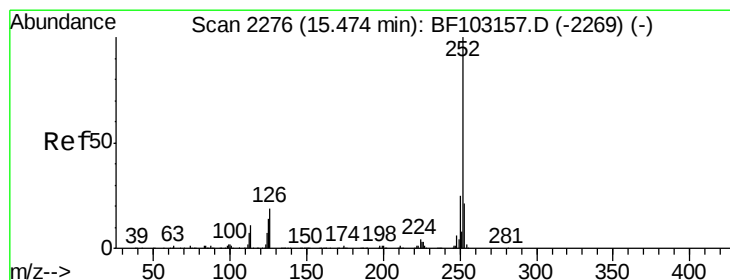
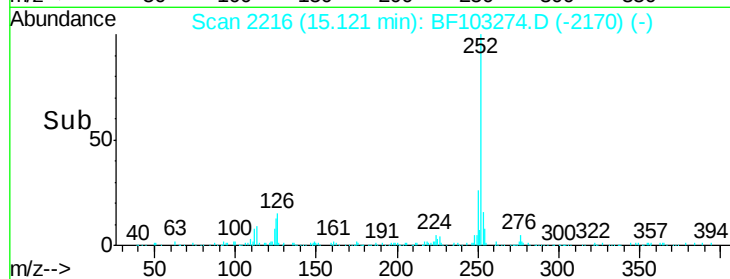
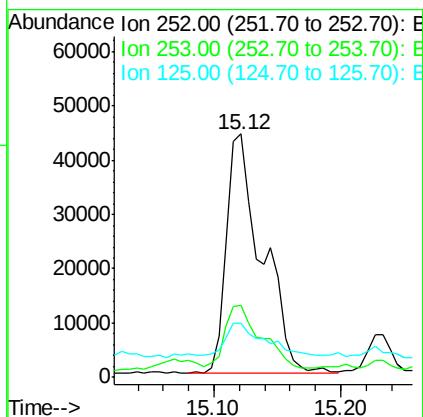
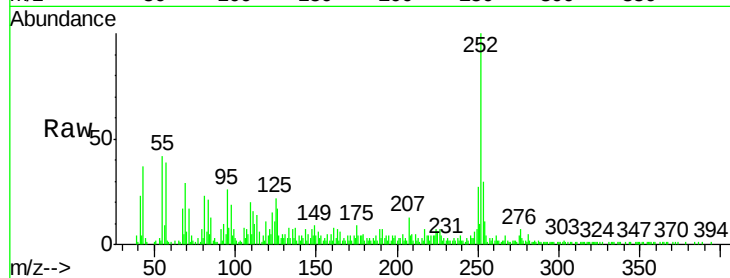




#88
Benzo(k)fluoranthene
Concen: 8.00 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

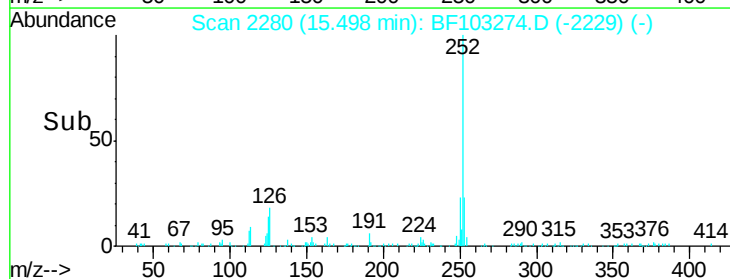
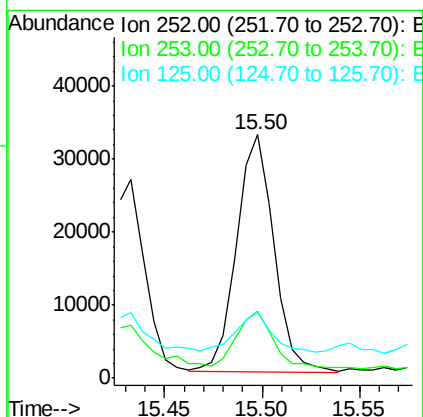
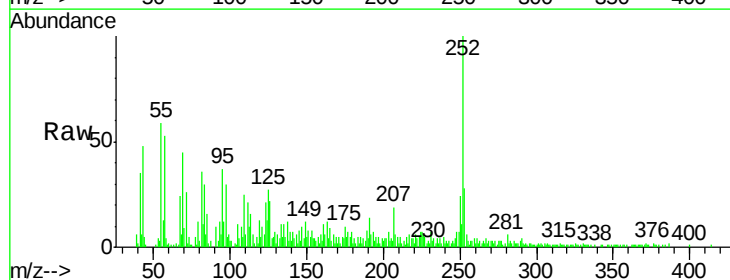
Instrument :
BNA_F
ClientSampled :

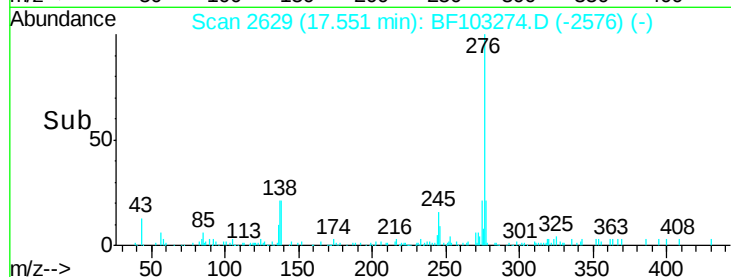
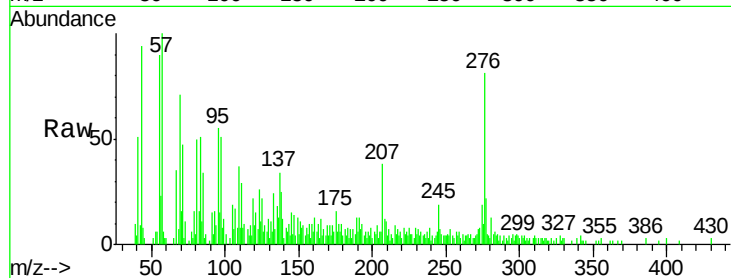
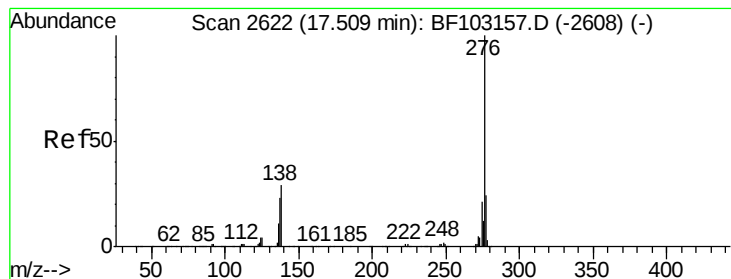
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.9	26.9#
125	22.3	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 4.21 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.1	25.7#
125	26.8	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.02 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 23270

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 30.9 21.8 32.8

