

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103343.D
 Acq On : 1 Mar 2018 18:10
 Operator : SJ/JU
 Sample : J1721-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:27:29 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	141812	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	525915	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	190192	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	292745	20.00	ng	0.00
75) Chrysene-d12	14.06	240	205644	20.00	ng	0.00
86) Perylene-d12	15.57	264	151599	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1027198	109.55	ng	0.01
7) Phenol-d6	6.52	99	1189652	103.69	ng	0.00
23) Nitrobenzene-d5	7.45	82	711592	77.27	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	152724	94.87	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	928474	83.80	ng	0.00
78) Terphenyl-d14	13.00	244	671455	78.49	ng	0.00

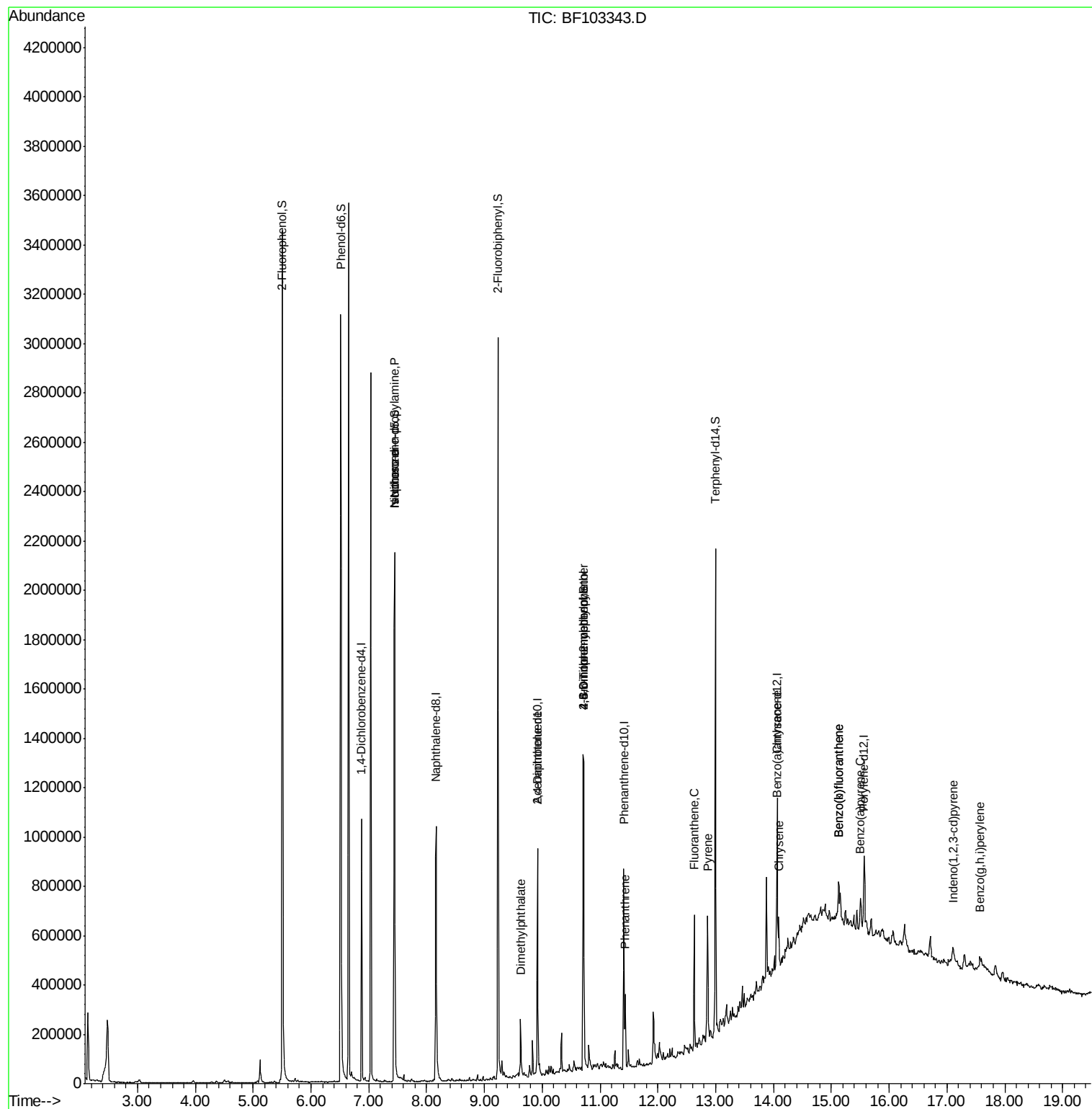
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	800	Below Cal	#	58
19) n-Nitroso-di-n-propylamine	7.45	70	96639	13.534	ng	# 81
25) Isophorone	7.45	82	711581	39.233	ng	# 64
49) Dimethylphthalate	9.63	163	92295	6.049	ng	99
56) 2,4-Dinitrotoluene	9.92	165	25095	6.197	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	289	5.091	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	10505	3.445	ng	# 1
70) Phenanthrene	11.43	178	96030	5.961	ng	99
74) Fluoranthene	12.63	202	205594	12.699	ng	97
77) Pyrene	12.86	202	200773	12.522	ng	99
80) Benzo(a)anthracene	14.05	228	89510	6.708	ng	98
82) Chrysene	14.09	228	86500	6.677	ng	97
85) Indeno(1,2,3-cd)pyrene	17.10	276	32184	3.138	ng	97
87) Benzo(b)fluoranthene	15.13	252	112873	11.324	ng	# 86
88) Benzo(k)fluoranthene	15.13	252	112873	12.026	ng	# 89
89) Benzo(a)pyrene	15.51	252	57258	6.433	ng	# 86
91) Benzo(a,h,i)perylene	17.57	276	34108	5.074	ng	# 88

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

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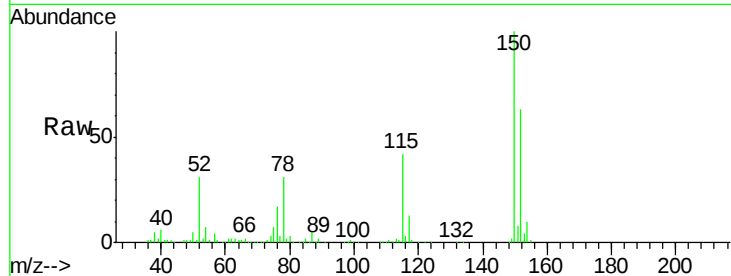


#1

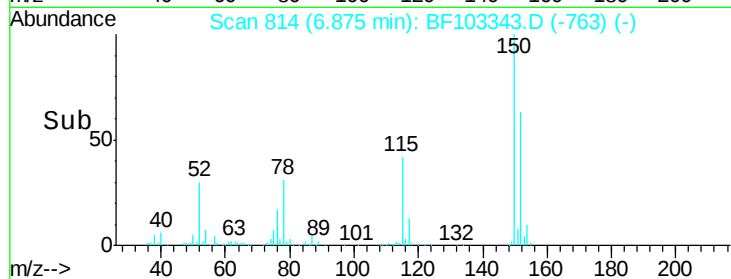
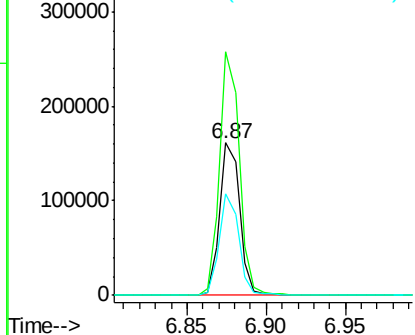
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141812
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 66.5 50.1 75.1



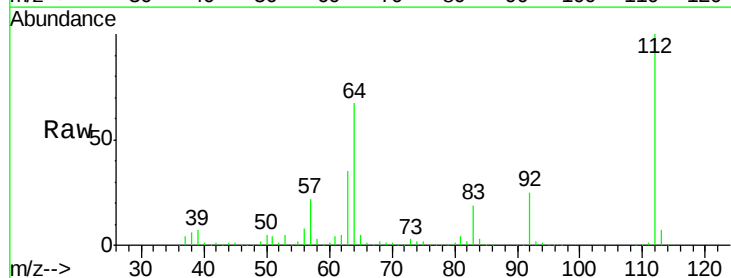
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



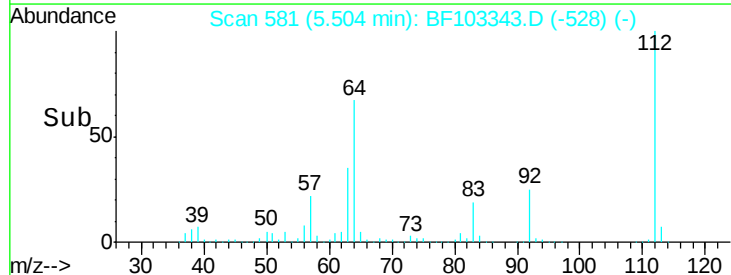
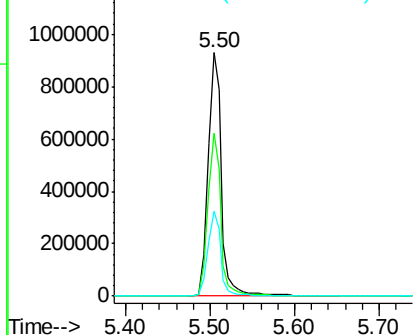
#5

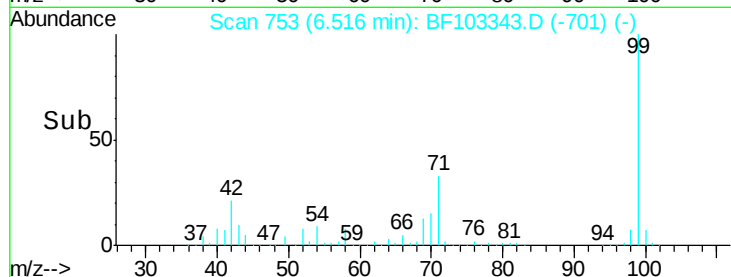
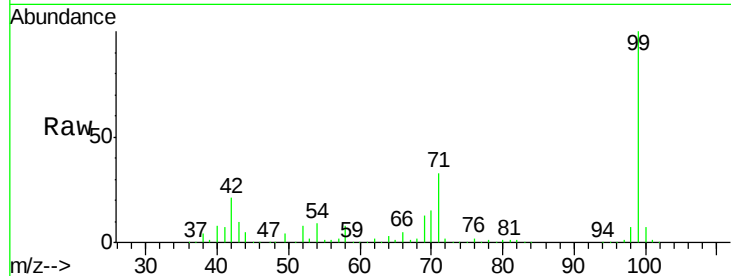
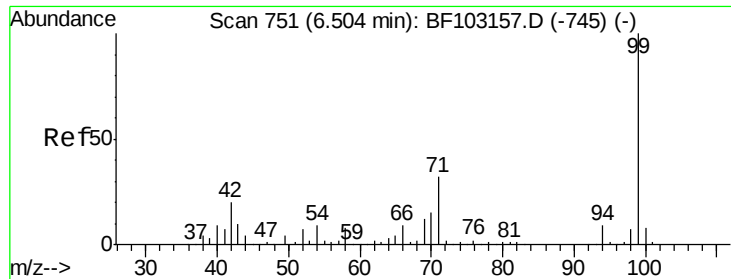
2-Fluorophenol
Concen: 109.551 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Tgt Ion:112 Resp: 1027198
Ion Ratio Lower Upper
112 100
64 67.2 47.9 71.9
63 35.1 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: 103.687 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

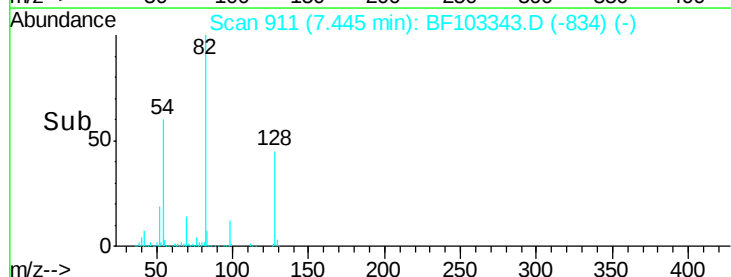
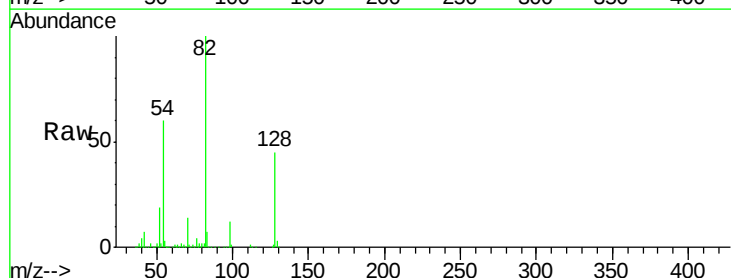
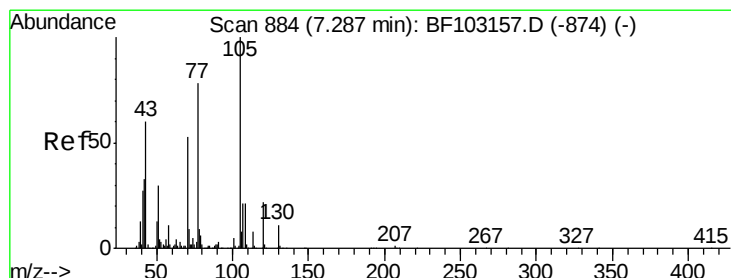
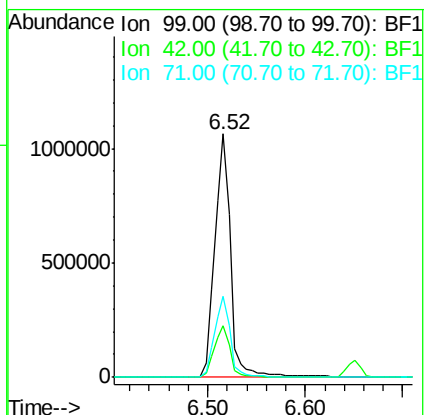
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1189652

Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.5	21.7
71	33.4	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.534 ng

RT: 7.45 min Scan# 911

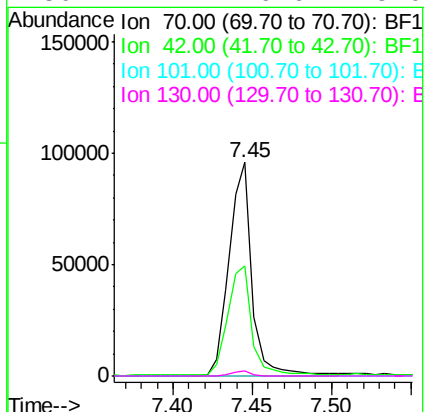
Delta R.T. 0.15 min

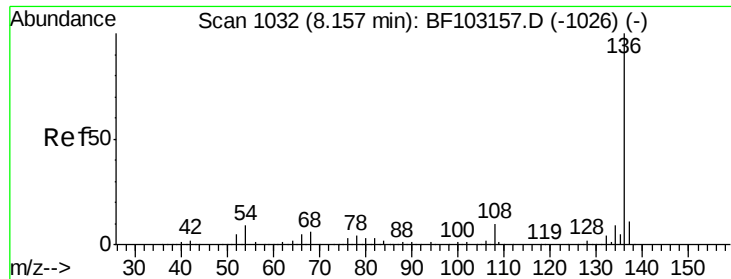
Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Tgt Ion: 70 Resp: 96639

Ion	Ratio	Lower	Upper
70	100		
42	51.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 525915

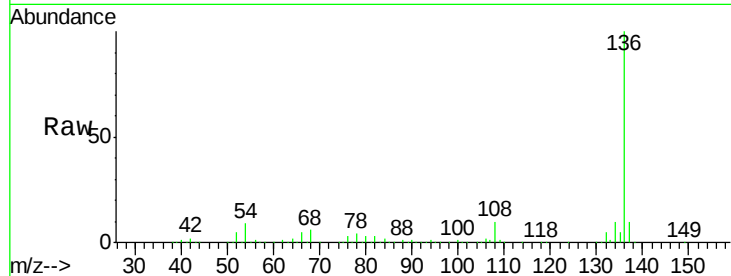
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.6 6.6 9.8

68 6.3 5.0 7.4

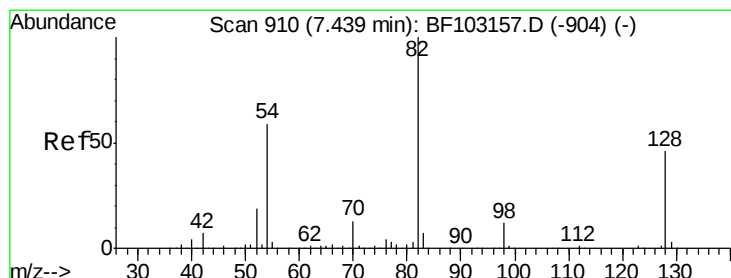
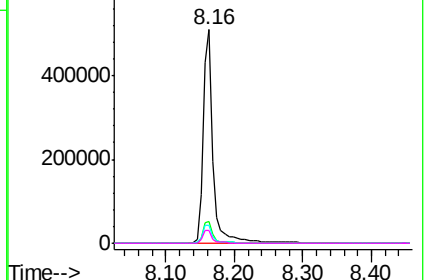
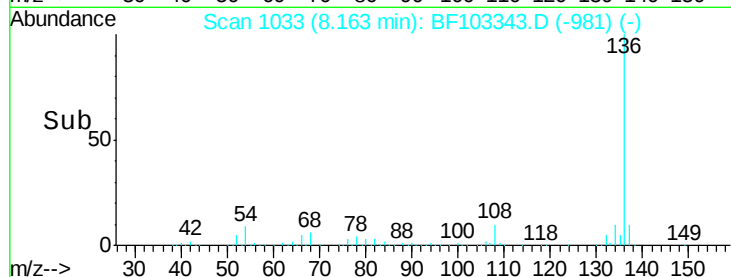


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.271 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

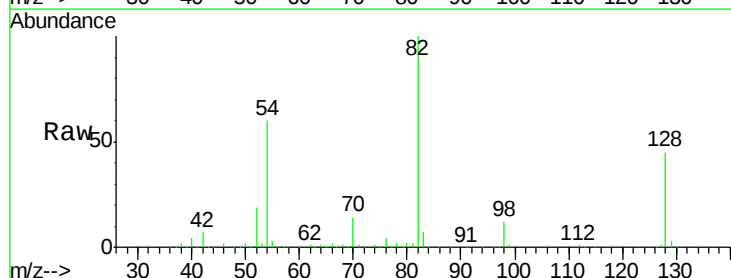
Tgt Ion: 82 Resp: 711592

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

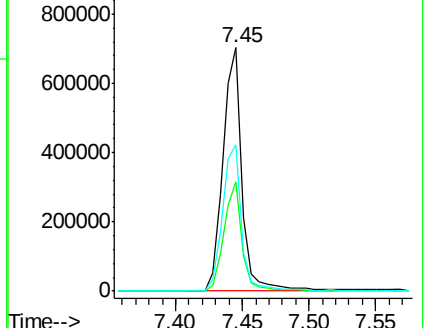
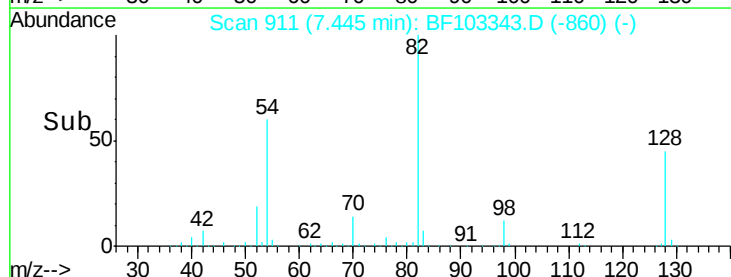
54 60.0 41.4 62.2

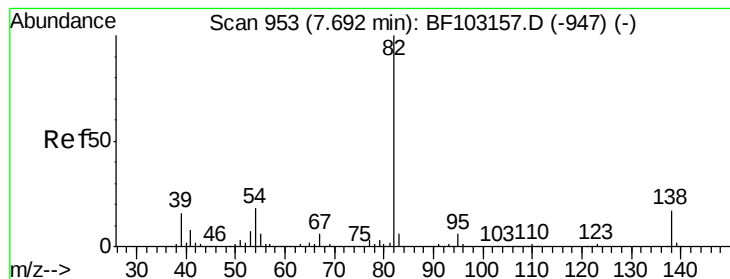


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.233 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampled :

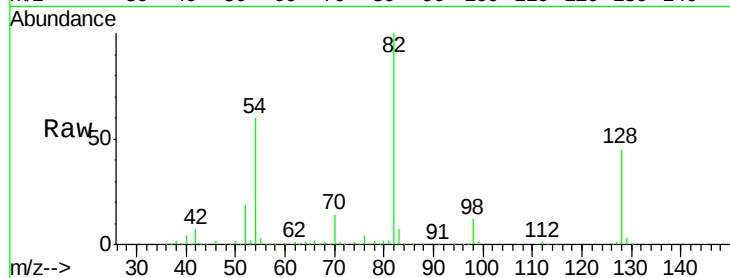
Tot Ion: 82 Resp: 711581

Ion Ratio Lower Upper

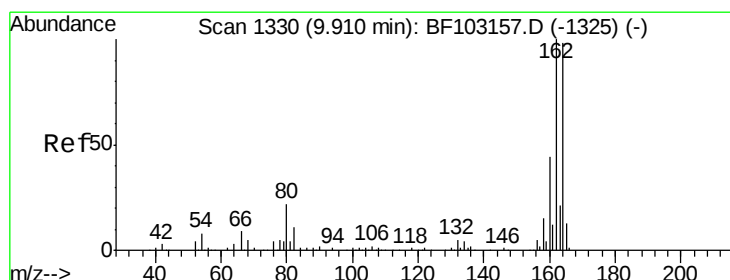
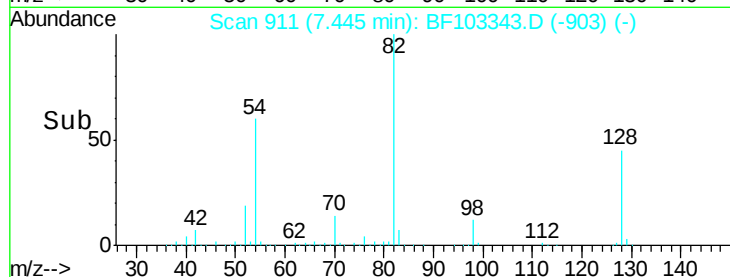
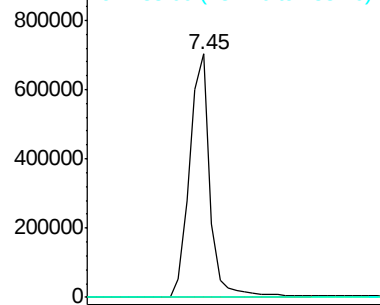
82 100

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: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

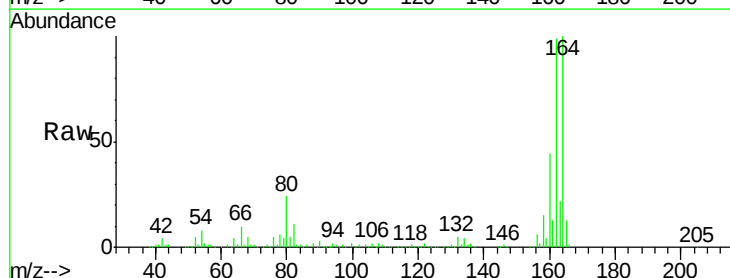
Tgt Ion:164 Resp: 190192

Ion Ratio Lower Upper

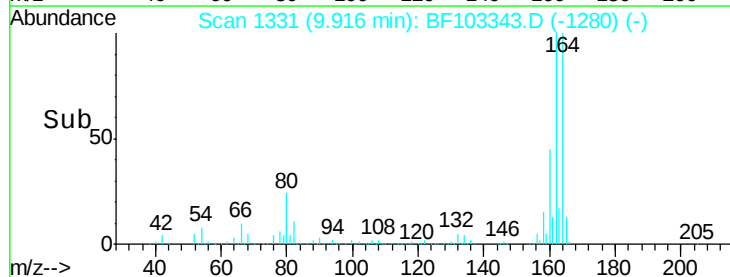
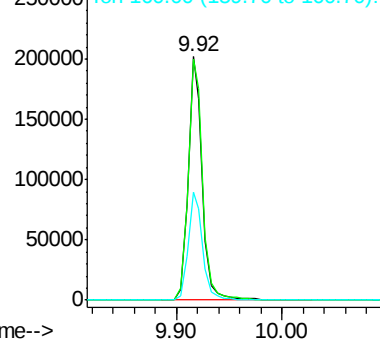
164 100

162 99.1 86.1 129.1

160 44.3 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

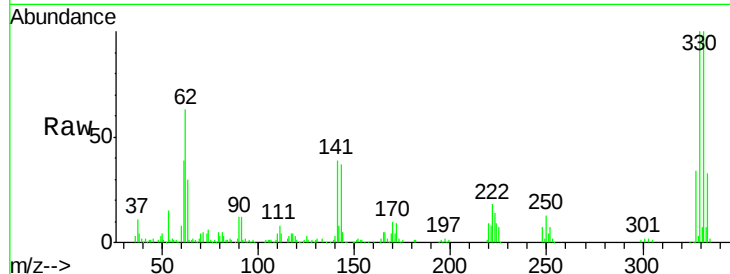




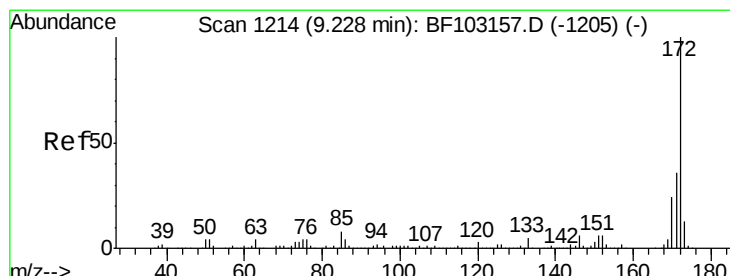
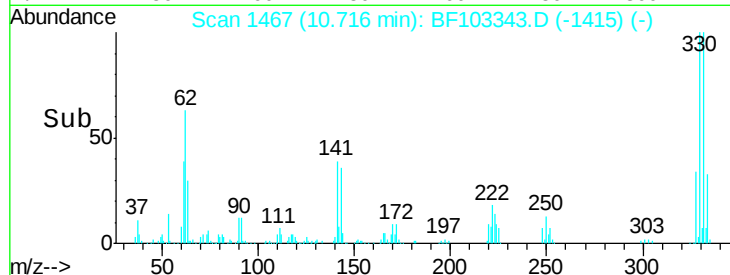
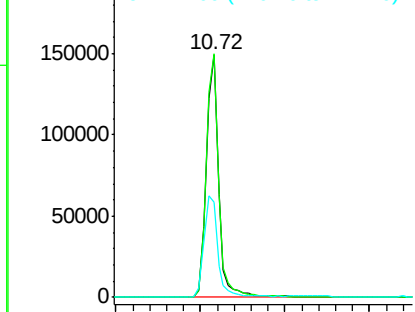
#41
 2,4,6-Tribromophenol
 Concen: 94.867 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103343.D
 Acq: 1 Mar 2018 18:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 152724
 Ion Ratio Lower Upper
 330 100
 332 100.8 77.0 115.6
 141 46.2 29.9 44.9#

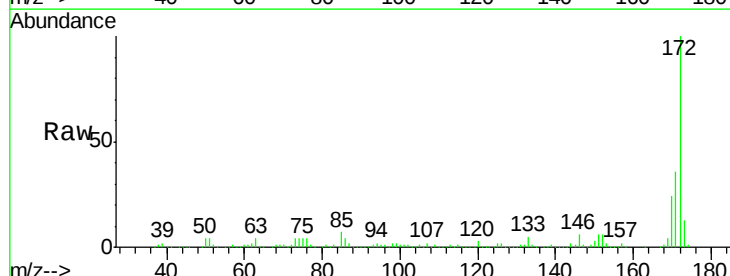


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

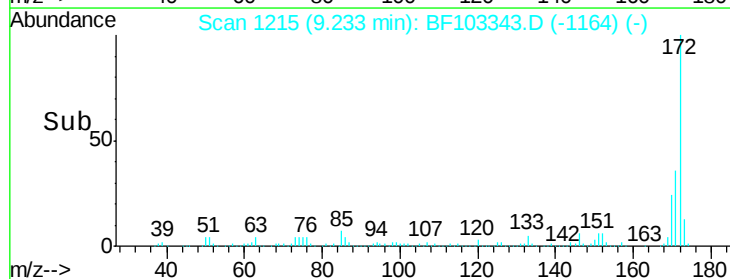
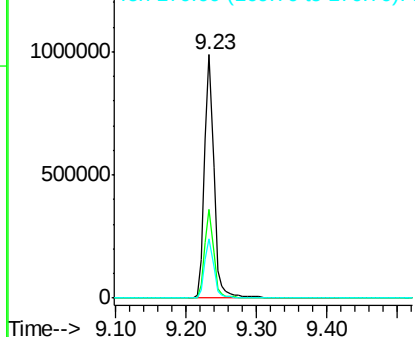


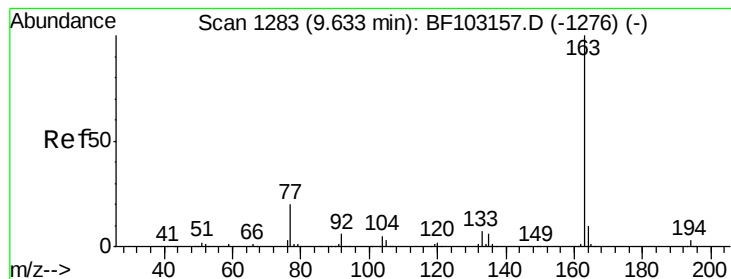
#44
 2-Fluorobiphenyl
 Concen: 83.802 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103343.D
 Acq: 1 Mar 2018 18:10

Tgt Ion:172 Resp: 928474
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.5 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: 6.049 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

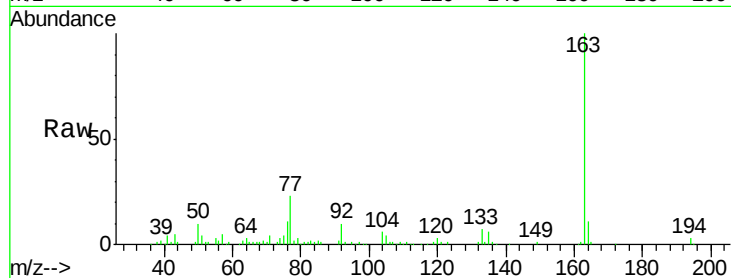
Tot Ion:163 Resp: 92295

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

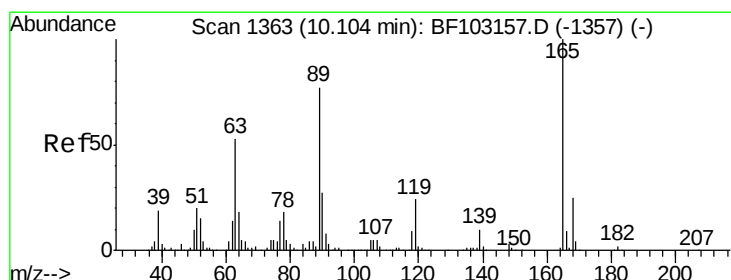
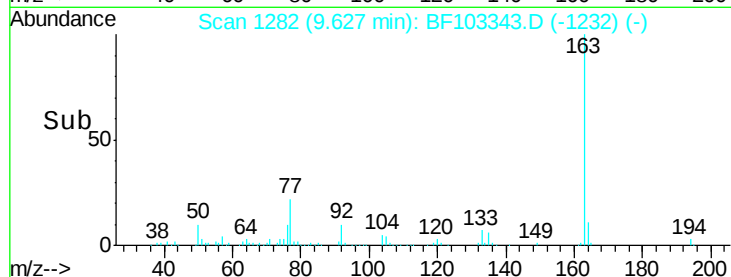
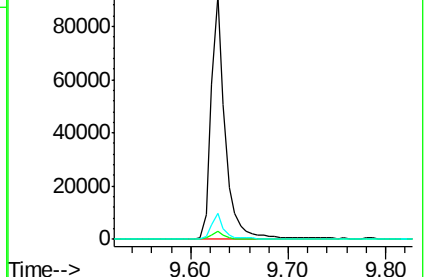
164 10.7 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.197 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Tgt Ion:165 Resp: 25095

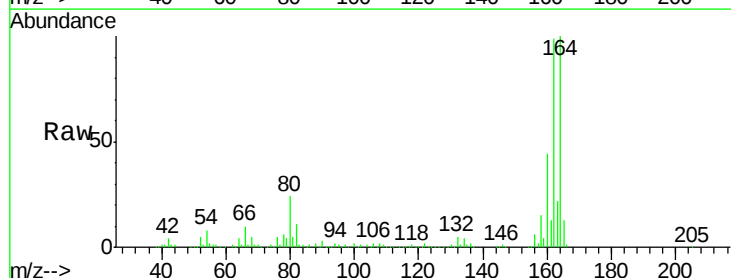
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

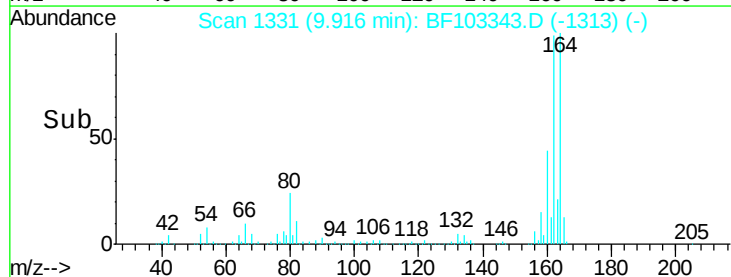
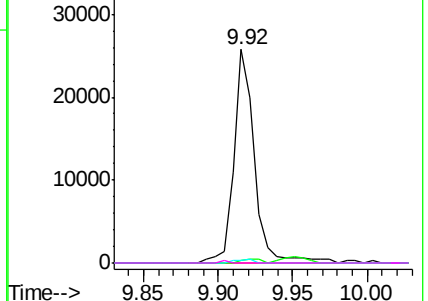


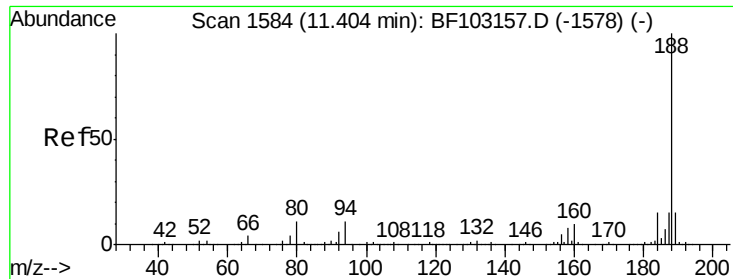
Abundance Ion 165.00 (164.70 to 165.70): E

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

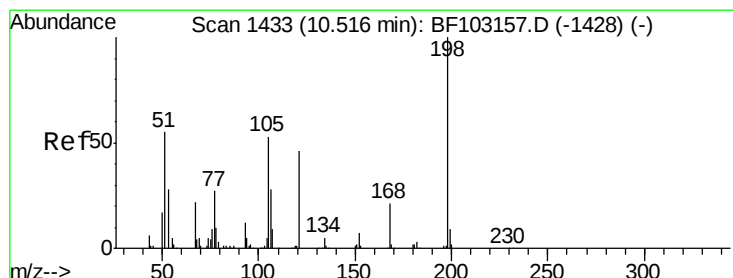
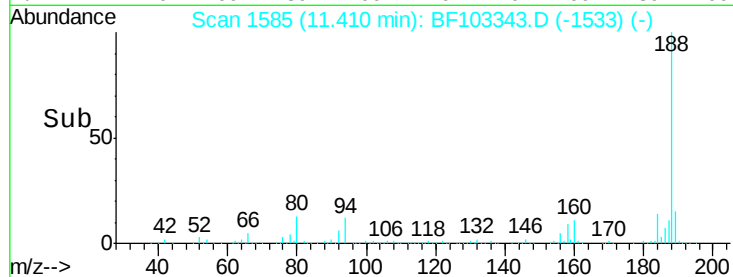
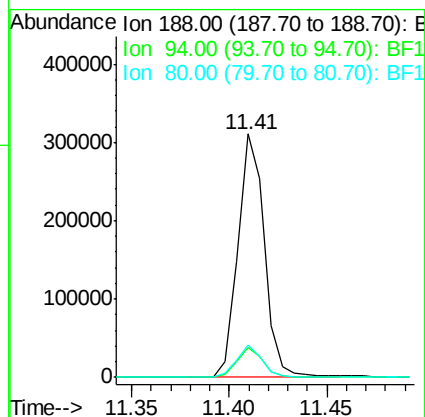
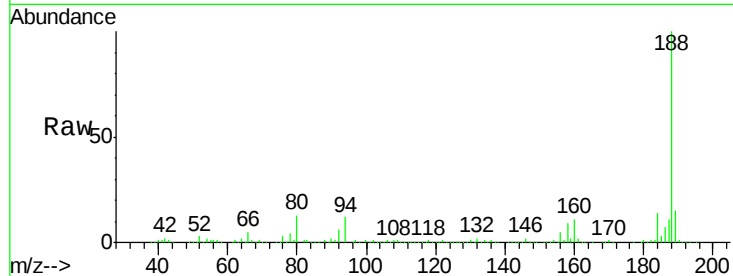




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

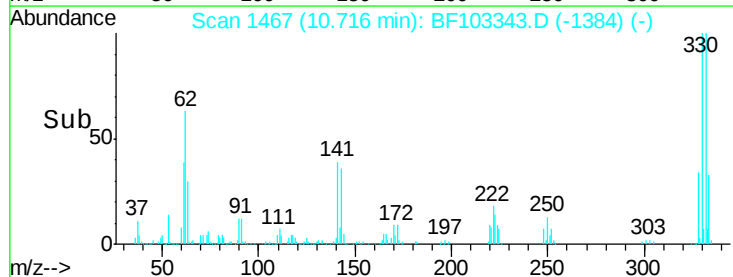
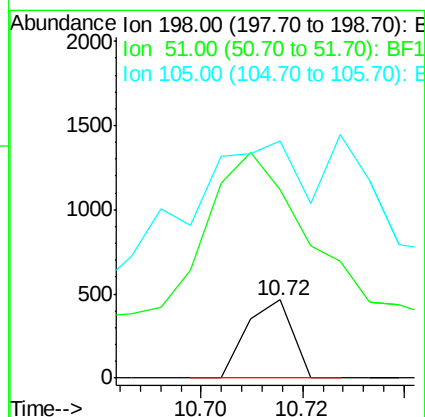
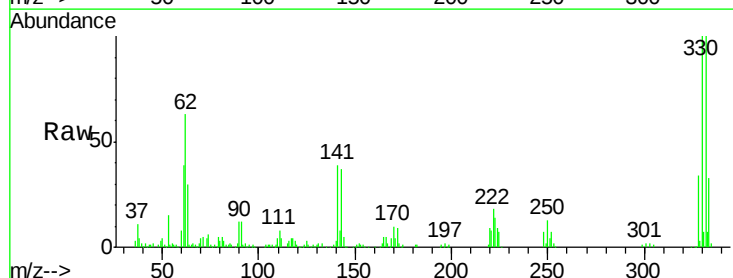
Instrument :
BNA_F
ClientSampleId :

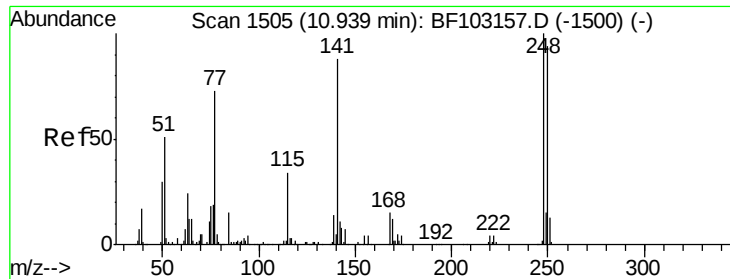
Tot Ion:188 Resp: 292745
Ion Ratio Lower Upper
188 100
94 12.0 8.5 12.7
80 13.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.091 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Tgt Ion:198 Resp: 289
Ion Ratio Lower Upper
198 100
51 240.6 37.7 77.7#
105 301.5 36.3 76.3#

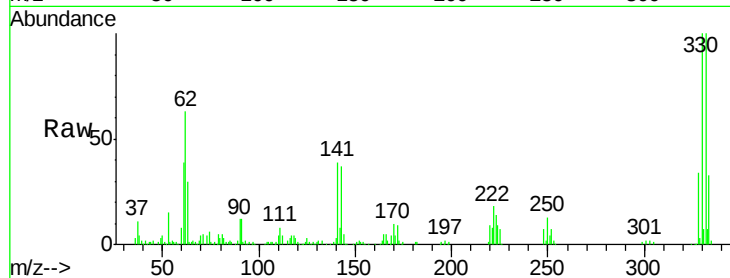




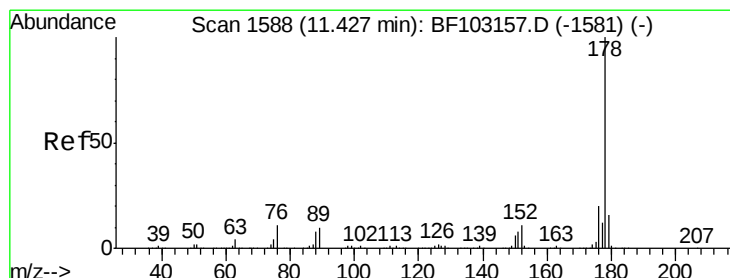
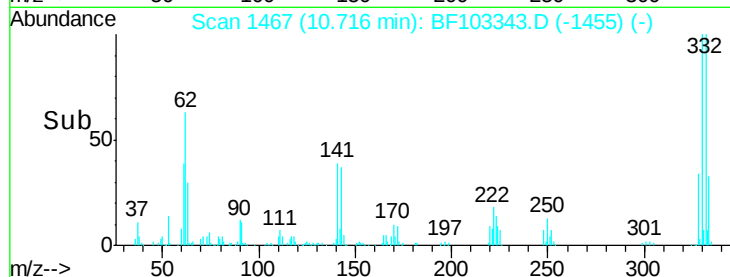
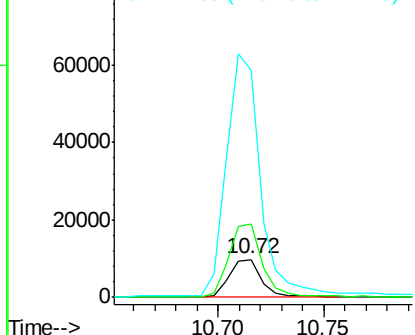
#66
4-Bromophenyl-phenylether
Concen: 3.445 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.23 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10505
Ion Ratio Lower Upper
248 100
250 192.6 76.9 115.3#
141 601.3 74.4 111.6#

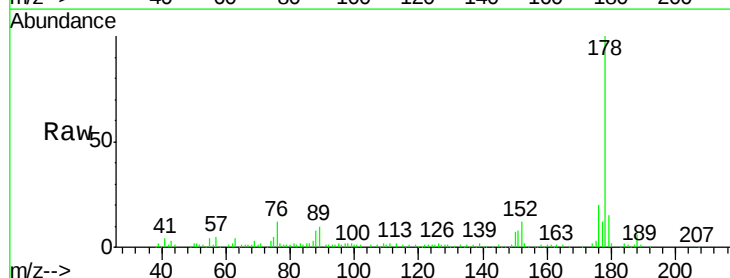


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

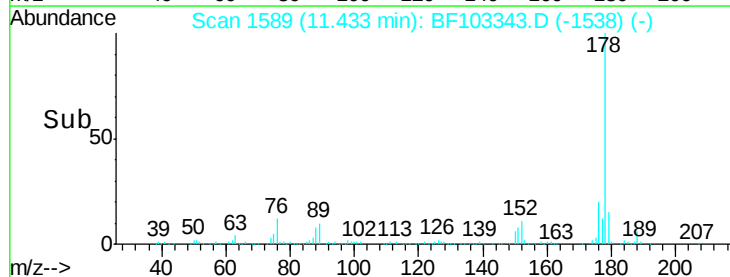
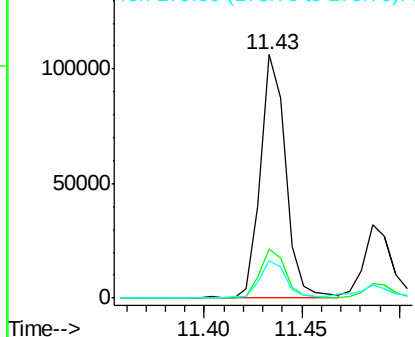


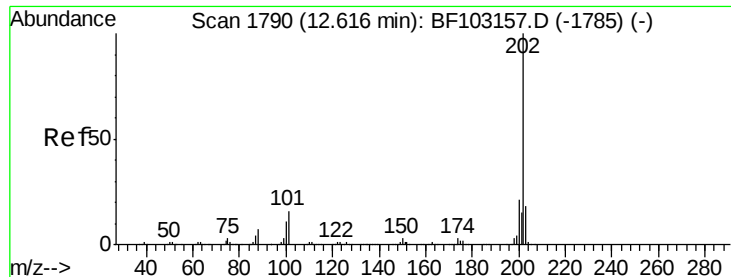
#70
Phenanthrene
Concen: 5.961 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Tgt Ion:178 Resp: 96030
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.4 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





#74

Fluoranthene

Concen: 12.699 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

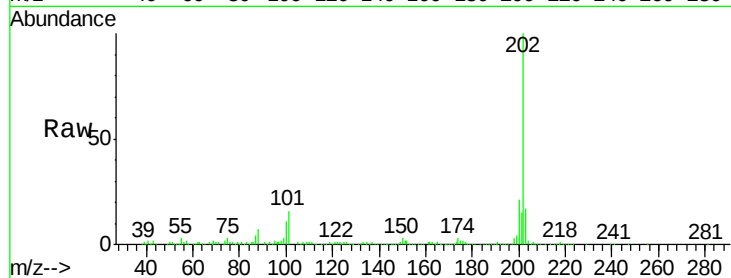
Tot Ion:202 Resp: 205594

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.1

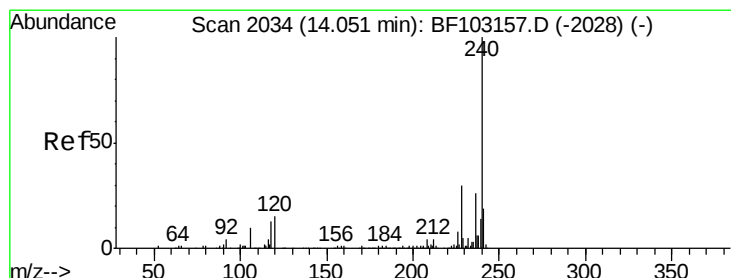
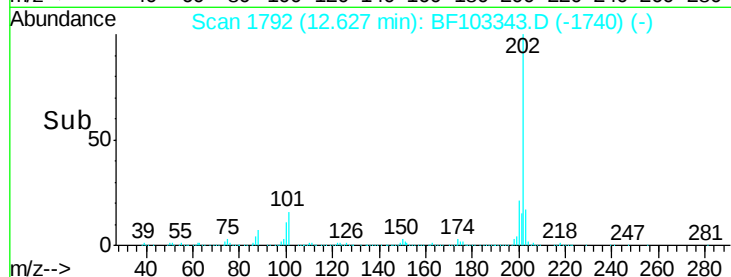
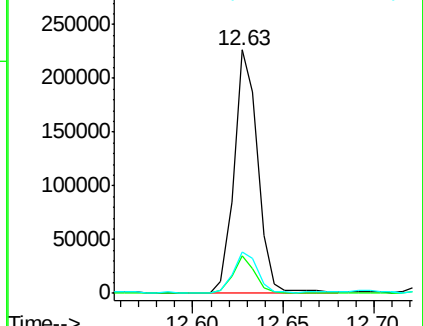
203 17.1 0.0 38.1



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# 2036

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

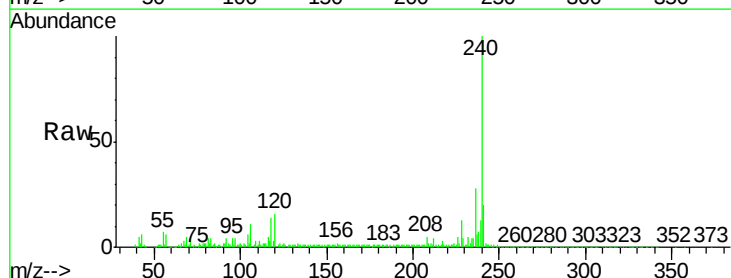
Tgt Ion:240 Resp: 205644

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

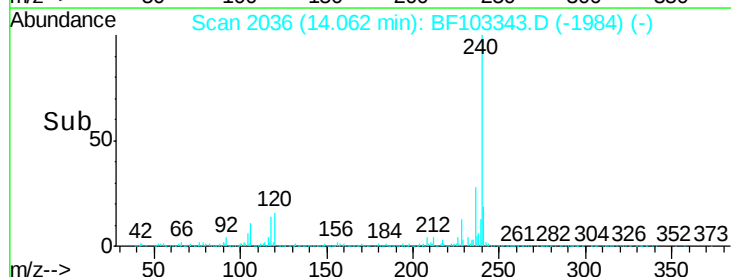
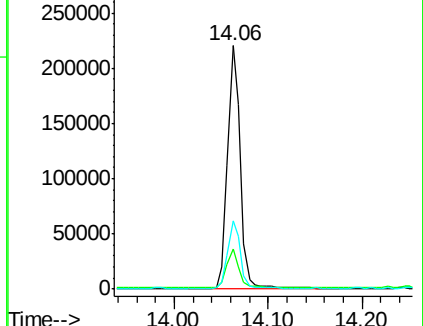
236 28.0 20.7 31.1

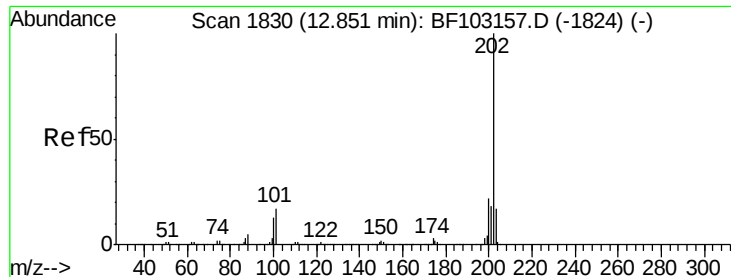


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.522 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampled :

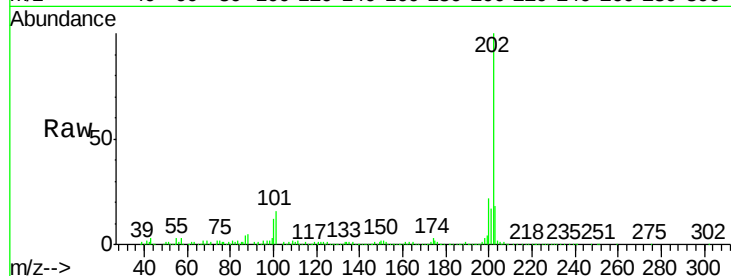
Tot Ion:202 Resp: 200773

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

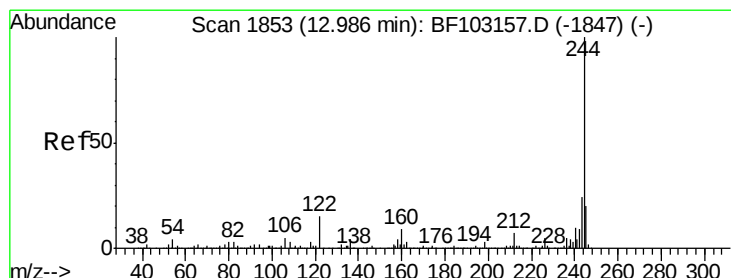
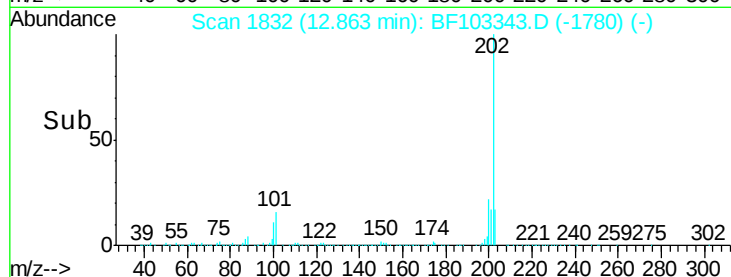
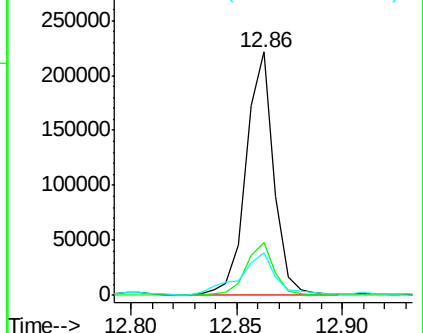
203 17.5 14.3 21.5



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: 78.489 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

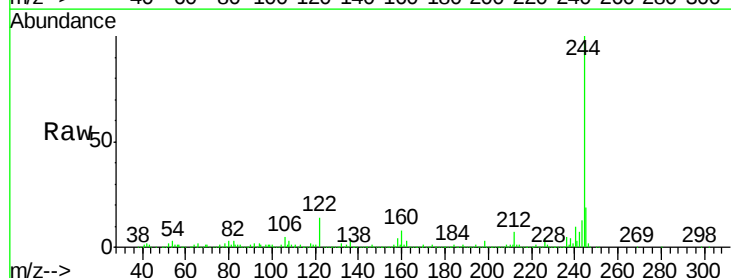
Tgt Ion:244 Resp: 671455

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

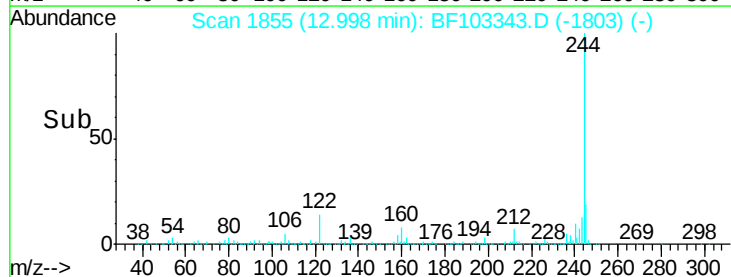
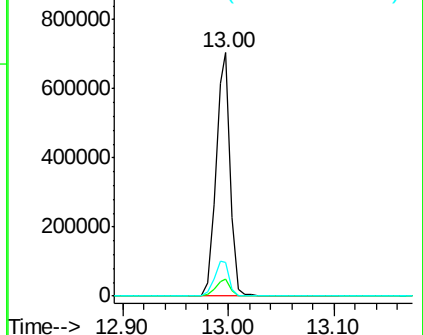
122 13.8 11.0 16.4

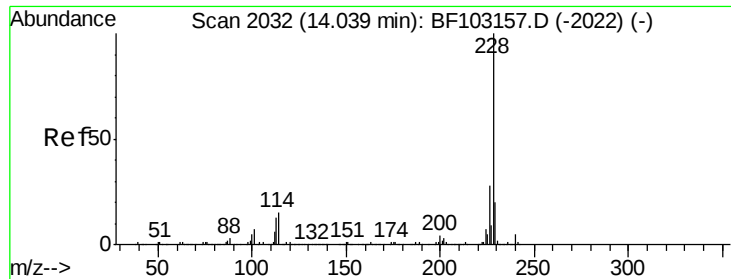


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

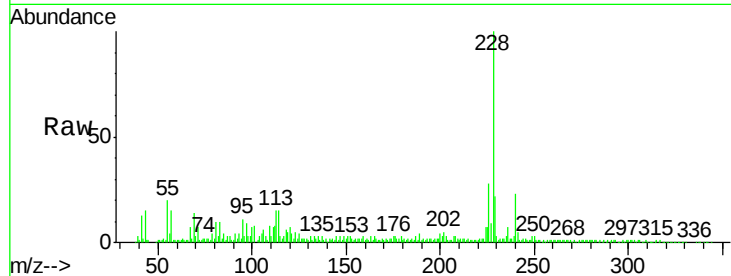




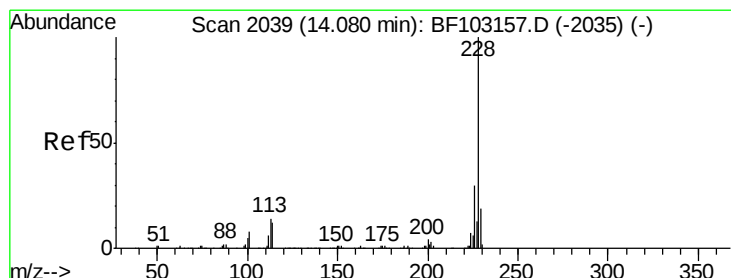
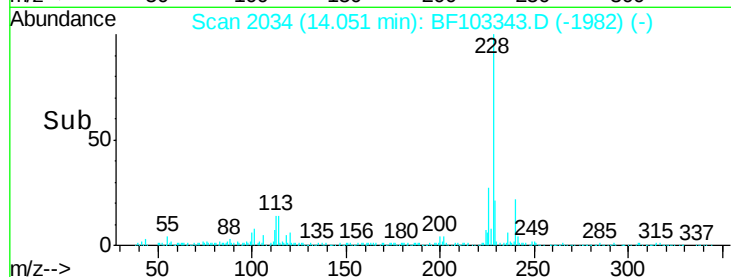
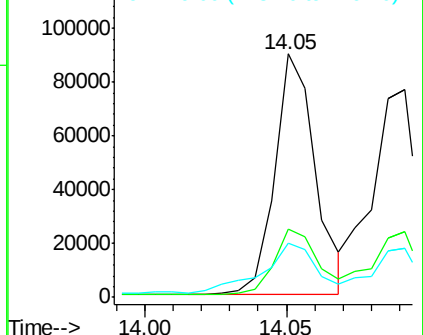
#80
Benzo(a)anthracene
Concen: 6.708 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 89510
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 22.4 15.8 23.6

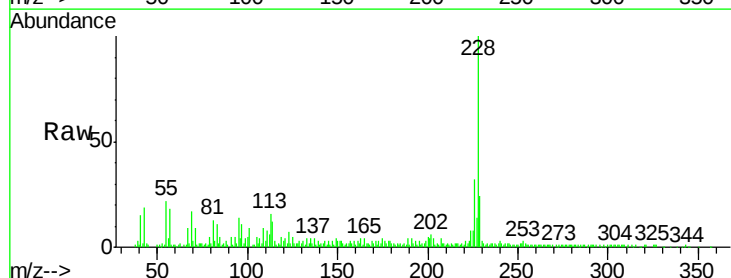


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

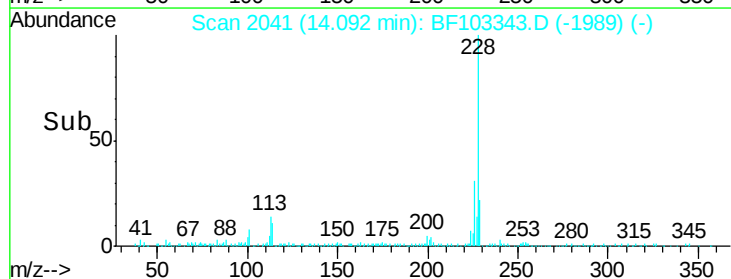
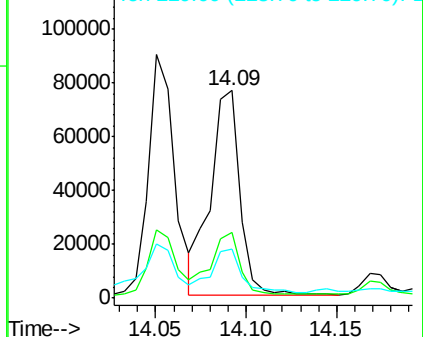


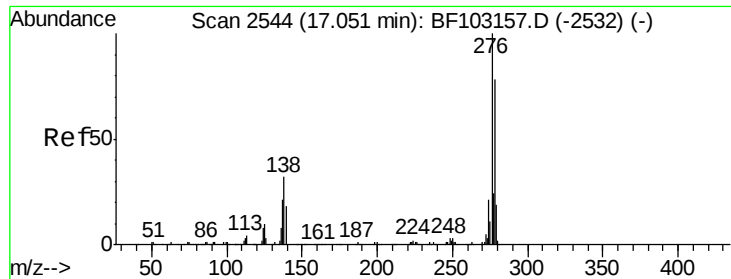
#82
Chrysene
Concen: 6.677 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103343.D
Acq: 1 Mar 2018 18:10

Tgt Ion:228 Resp: 86500
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 23.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.138 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

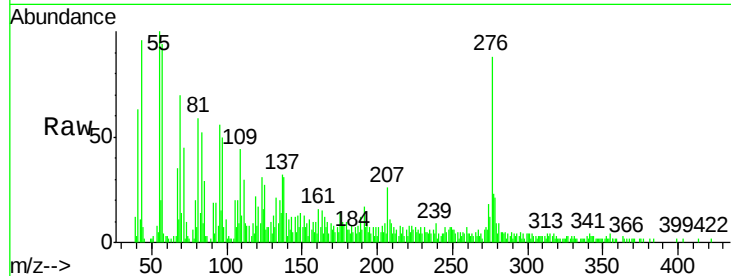
Tot Ion:276 Resp: 32184

Ion Ratio Lower Upper

276 100

138 29.5 25.0 37.6

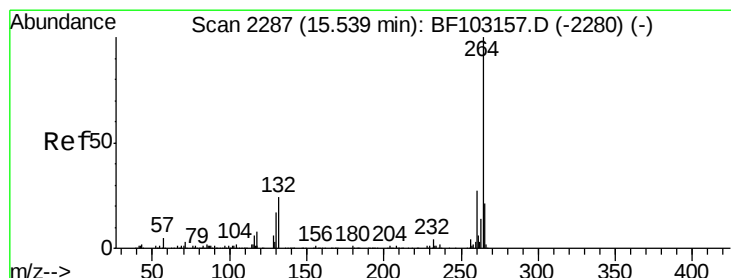
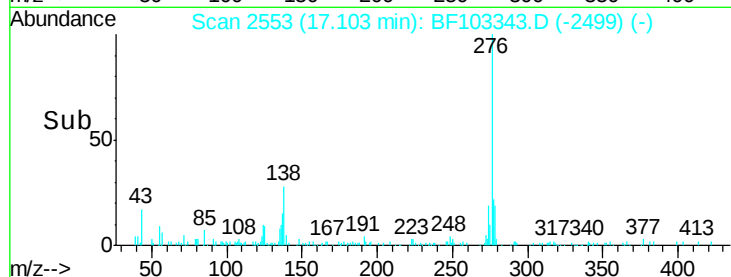
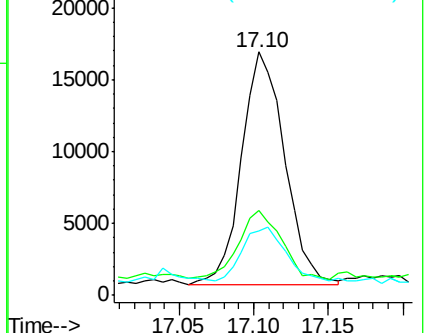
277 23.4 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.02 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

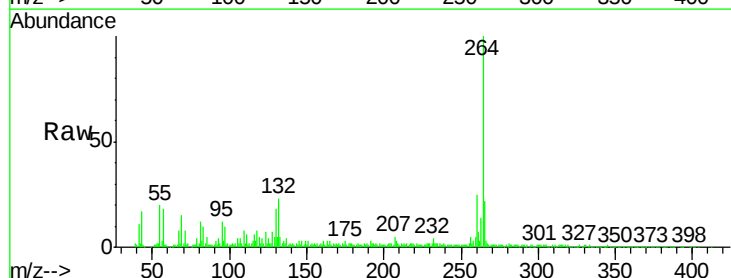
Tgt Ion:264 Resp: 151599

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

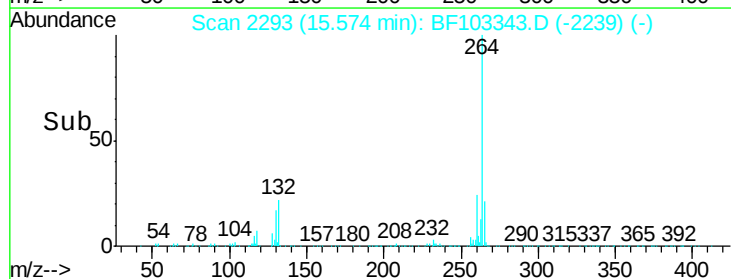
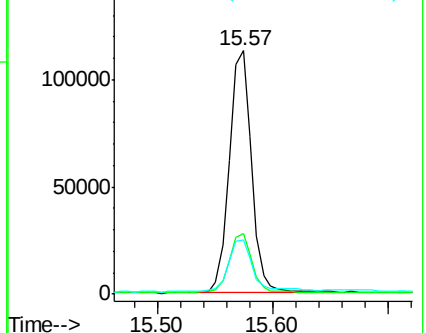
265 22.3 17.5 26.3

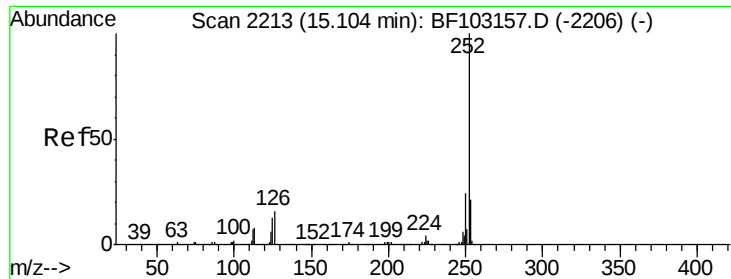


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.324 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampleId :

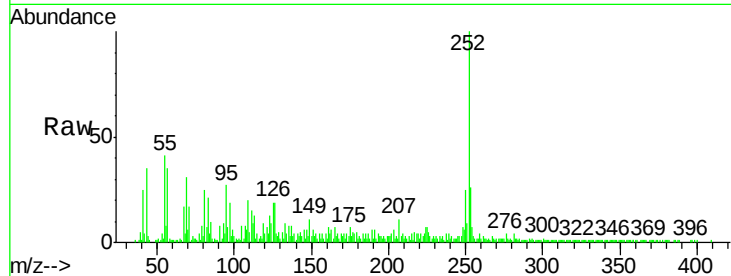
Tot Ion:252 Resp: 112873

Ion Ratio Lower Upper

252 100

253 26.3 17.0 25.6#

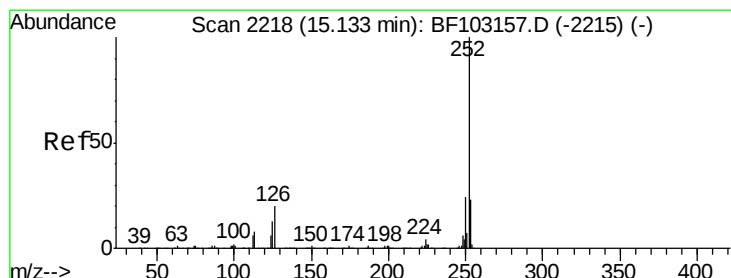
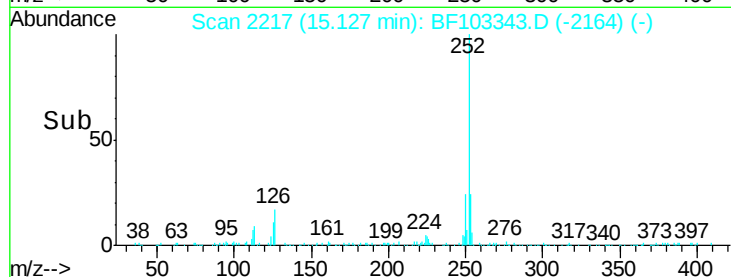
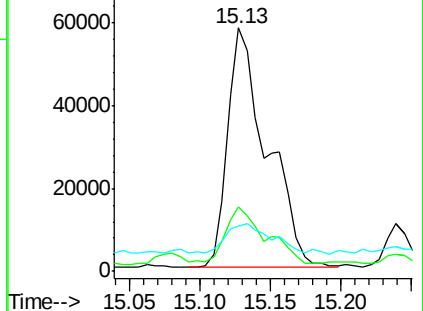
125 18.8 9.0 13.6#



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: 12.026 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

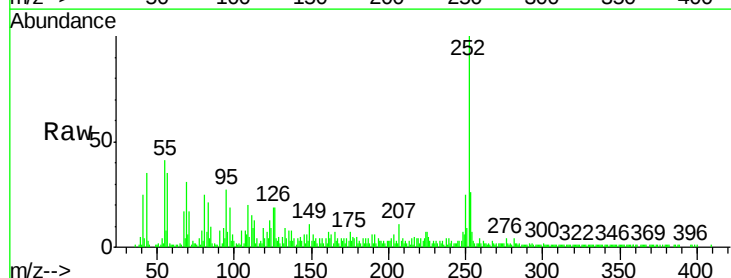
Tgt Ion:252 Resp: 112873

Ion Ratio Lower Upper

252 100

253 26.3 17.9 26.9

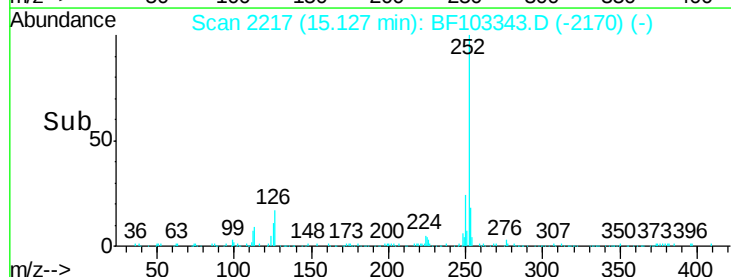
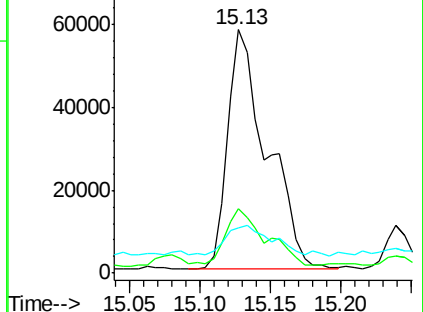
125 18.8 10.2 15.2#

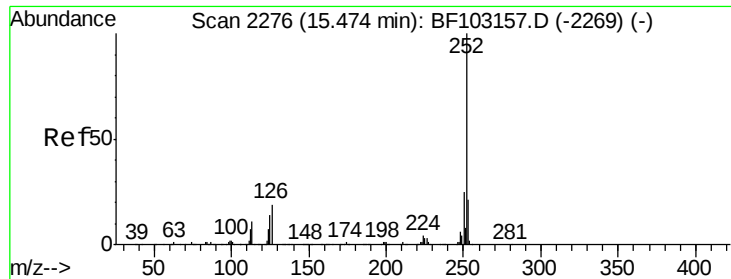


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.433 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

Instrument :

BNA_F

ClientSampled :

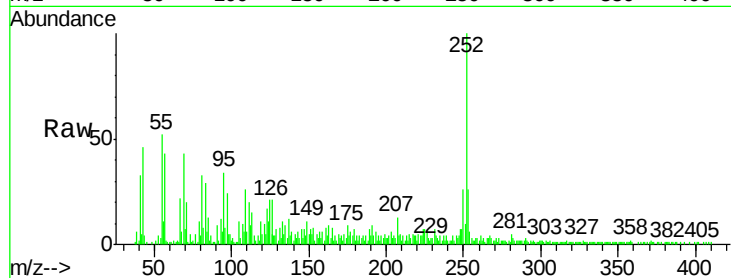
Tot Ion:252 Resp: 57258

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

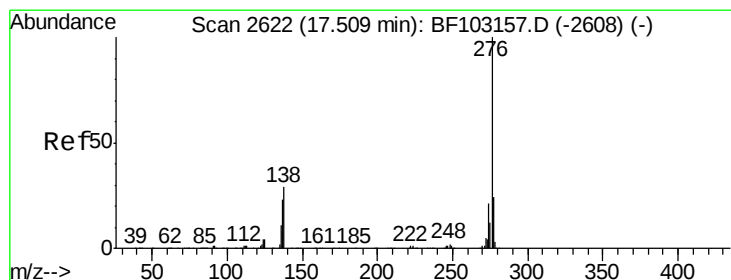
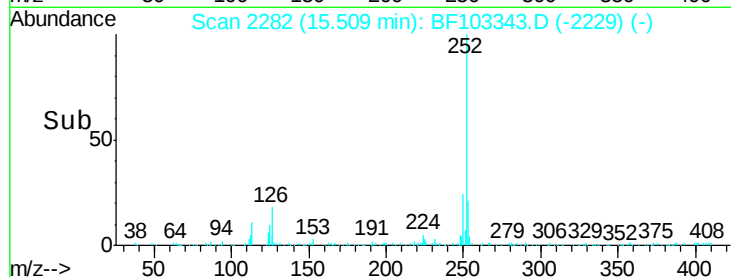
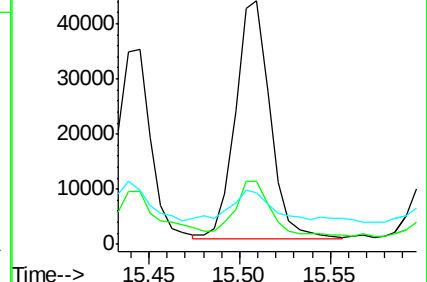
125 21.1 9.8 14.6#



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(g,h,i)perylene

Concen: 5.074 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.04 min

Lab File: BF103343.D

Acq: 1 Mar 2018 18:10

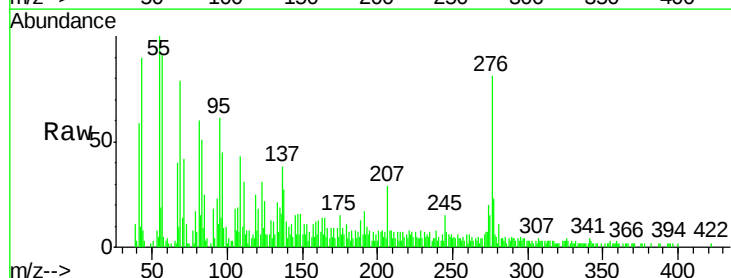
Tgt Ion:276 Resp: 34108

Ion Ratio Lower Upper

276 100

277 28.5 17.9 26.9#

138 32.8 21.8 32.8#



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

