

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103340.D
 Acq On : 1 Mar 2018 16:49
 Operator : SJ/JU
 Sample : J1720-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:26:30 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	143551	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	575049	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	221794	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	318374	20.00	ng	0.00
75) Chrysene-d12	14.06	240	206290	20.00	ng	0.00
86) Perylene-d12	15.57	264	150335	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1064674	112.17	ng	0.01
7) Phenol-d6	6.52	99	1241165	106.87	ng	0.00
23) Nitrobenzene-d5	7.45	82	772823	76.75	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	166174	88.51	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1017925	77.38	ng	0.00
78) Terphenyl-d14	12.99	244	672651	78.38	ng	0.00

Target Compounds

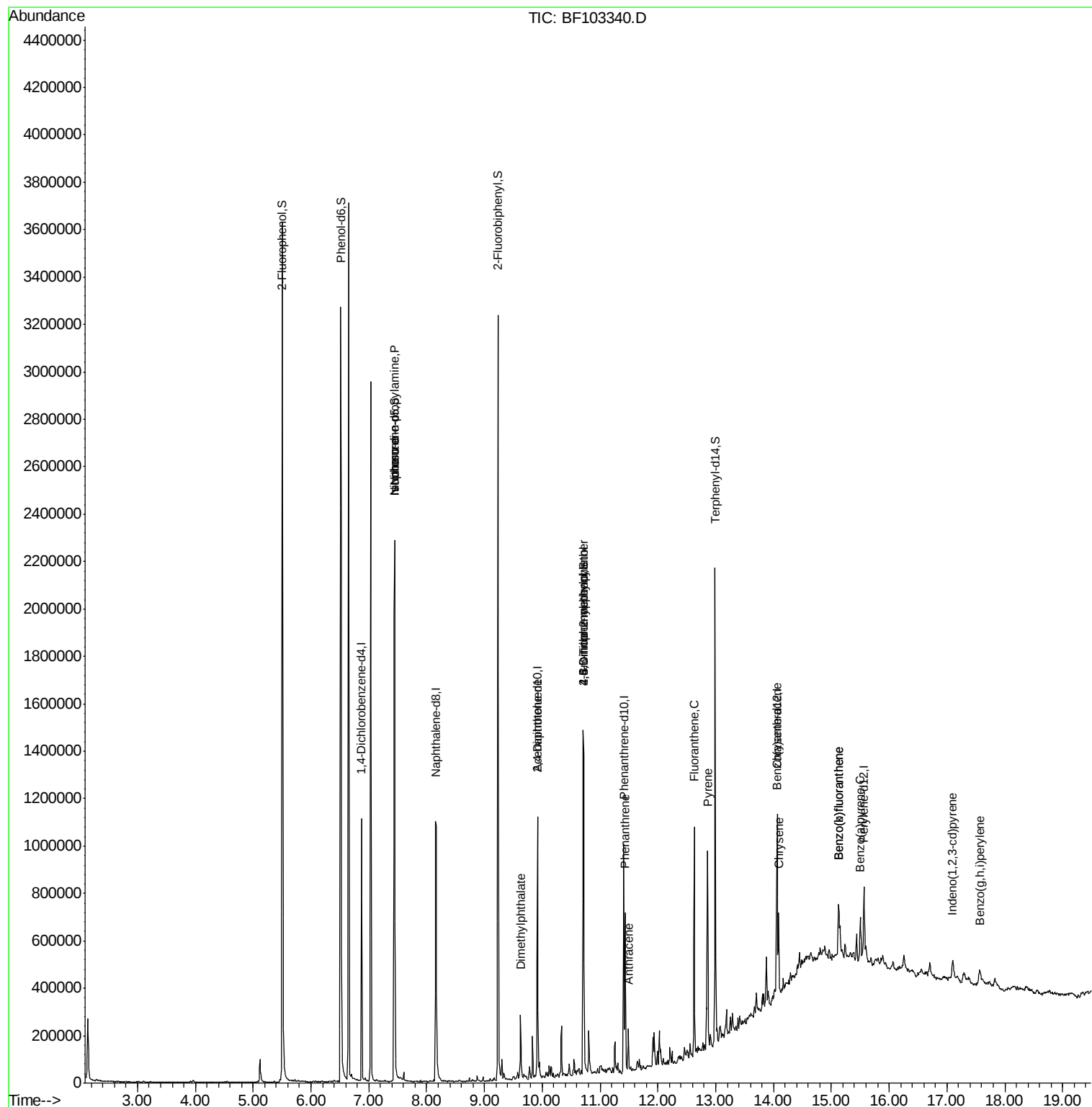
						Qvalue
9) Benzaldehyde	6.52	77	2233	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	106779	14.772	ng	# 82
25) Isophorone	7.45	82	772813	38.968	ng	# 64
49) Dimethylphthalate	9.63	163	109018	6.127	ng	99
56) 2,4-Dinitrotoluene	9.92	165	30467	6.452	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	397	5.129	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	11294	3.405	ng	# 1
70) Phenanthrene	11.43	178	216637	12.364	ng	99
71) Anthracene	11.49	178	73383	4.084	ng	99
74) Fluoranthene	12.63	202	369720	20.999	ng	98
77) Pyrene	12.86	202	342529	21.297	ng	100
80) Benzo(a)anthracene	14.05	228	150982	11.280	ng	99
82) Chrysene	14.09	228	126320	9.720	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	48227	4.687	ng	98
87) Benzo(b)fluoranthene	15.13	252	170737	17.273	ng	# 85
88) Benzo(k)fluoranthene	15.13	252	170737	18.344	ng	# 88
89) Benzo(a)pyrene	15.50	252	88727	10.052	ng	# 92
91) Benzo(g,h,i)perylene	17.57	276	45306	6.797	ng	# 90

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

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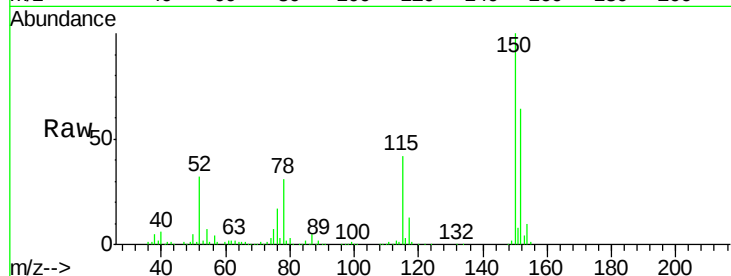


#1

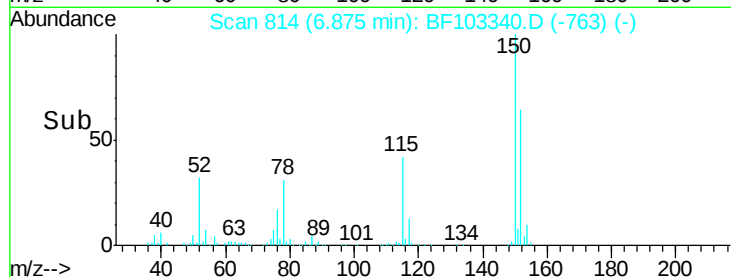
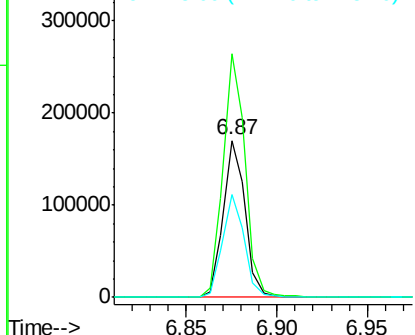
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143551
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 65.5 50.1 75.1



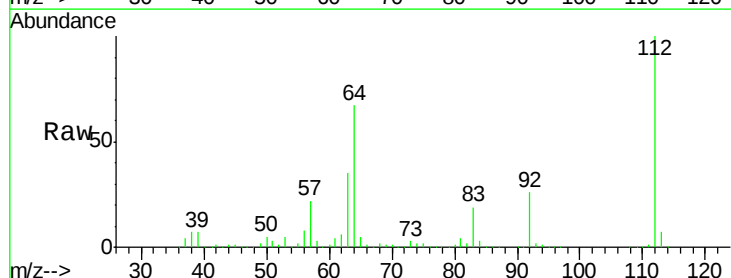
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



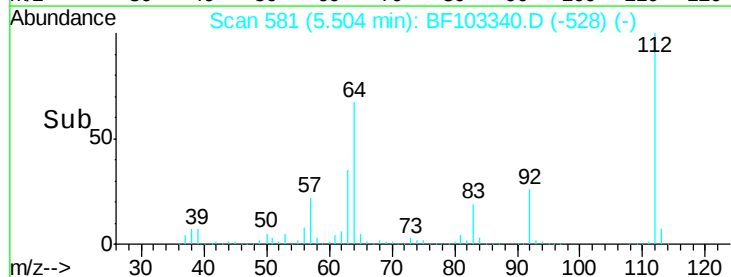
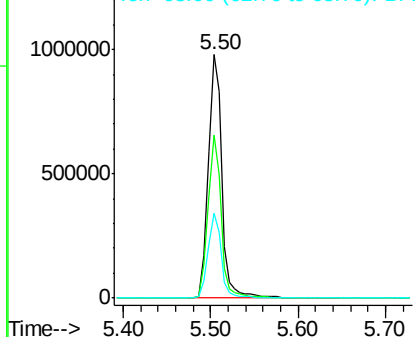
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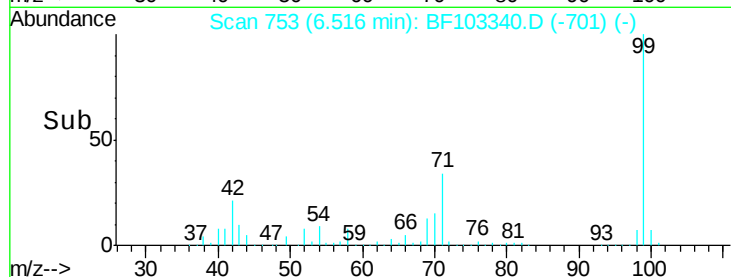
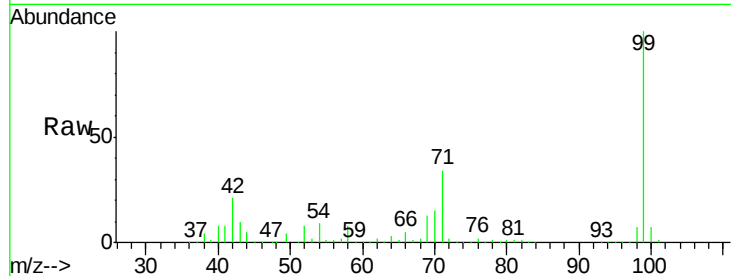
2-Fluorophenol
Concen: 112.172 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:112 Resp: 1064674
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 34.7 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: 106.866 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

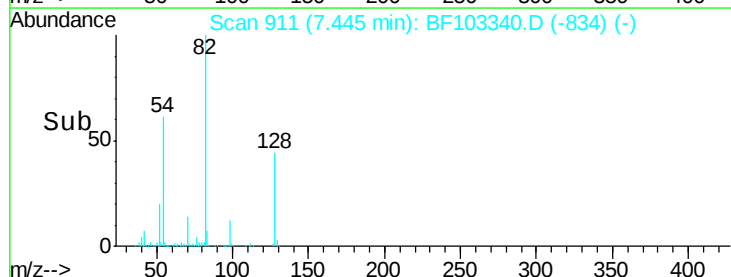
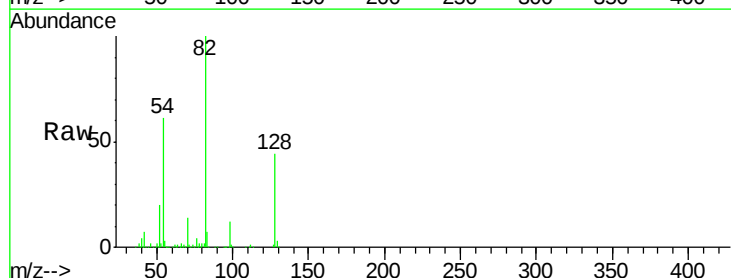
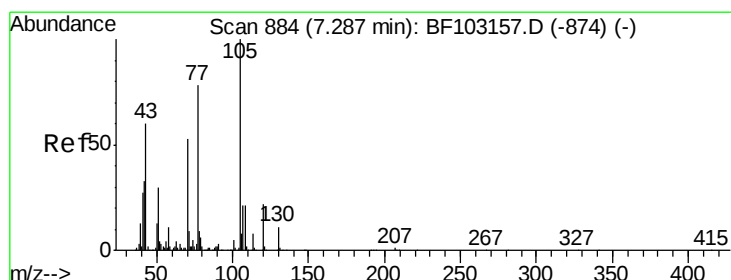
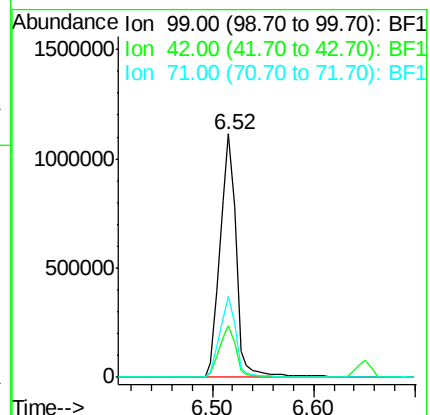
Tot Ion: 99 Resp: 1241165

Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	33.5	25.4	38.0

Instrument :

BNA_F

ClientSampled :



#19

n-Nitroso-di-n-propylamine

Concen: 14.772 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Tgt Ion: 70 Resp: 106779

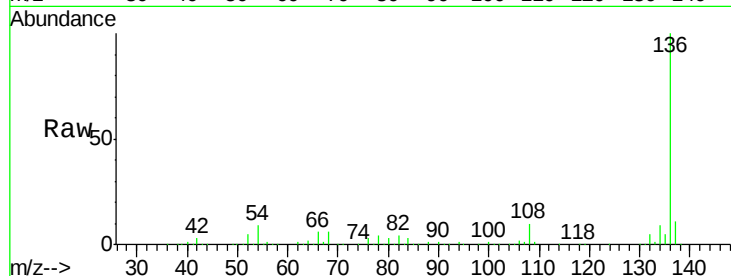
Ion	Ratio	Lower	Upper
70	100		
42	52.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



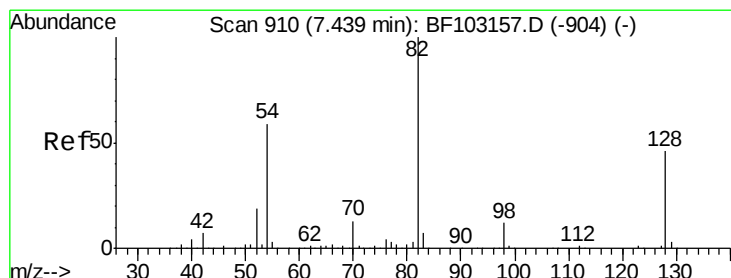
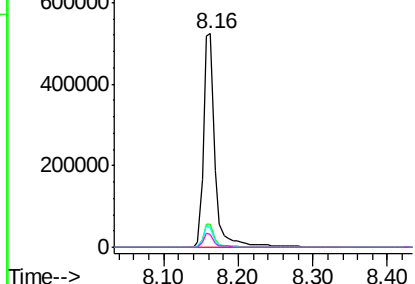
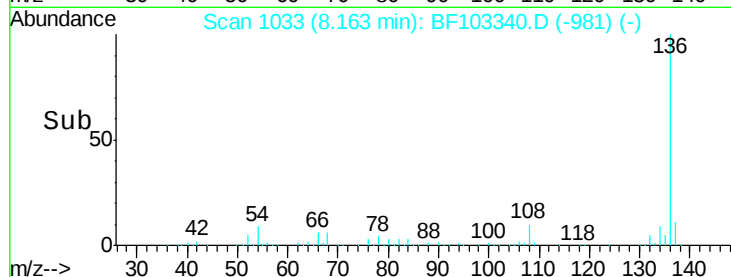
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	575049	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.9	13.3	
54 8.7	6.6	9.8	
68 6.3	5.0	7.4	

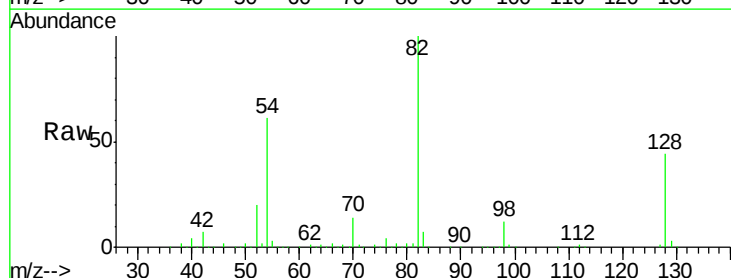


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

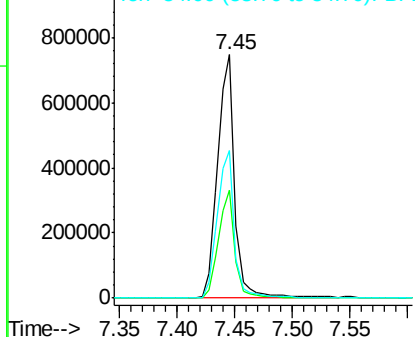
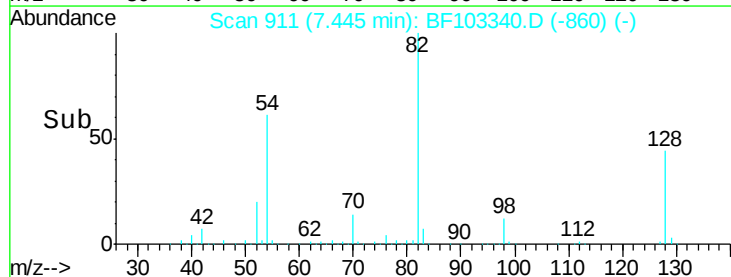


#23
Nitrobenzene-d5
Concen: 76.749 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion: 82	Resp: 772823
Ion Ratio	Lower Upper
82 100	
128 44.2	36.1 54.1
54 60.6	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

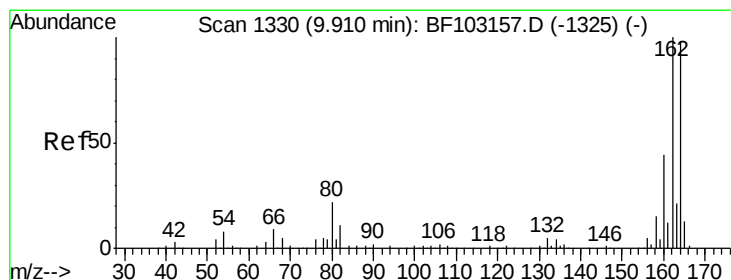
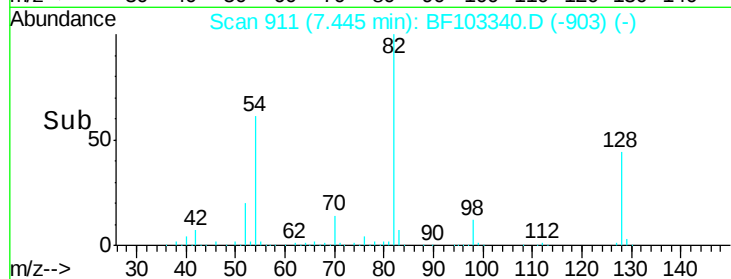
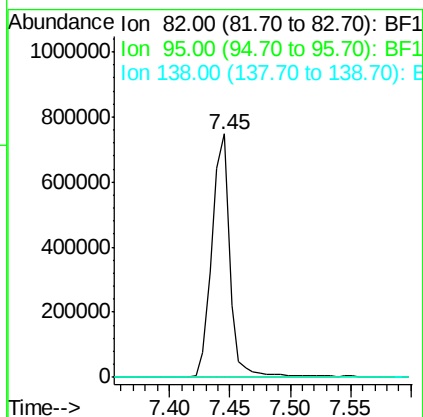
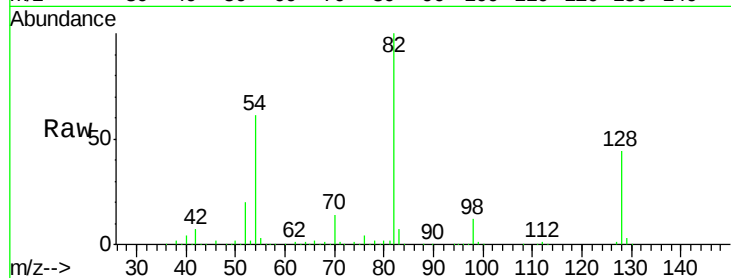




#25
Isophorone
Concen: 38.968 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

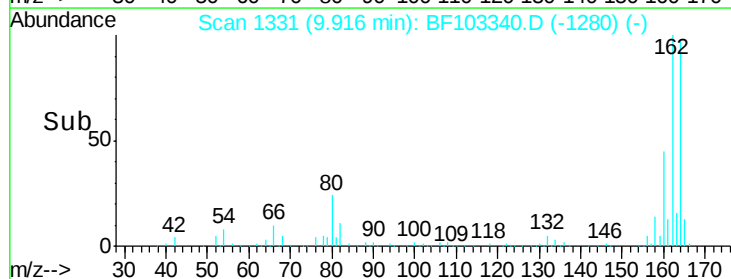
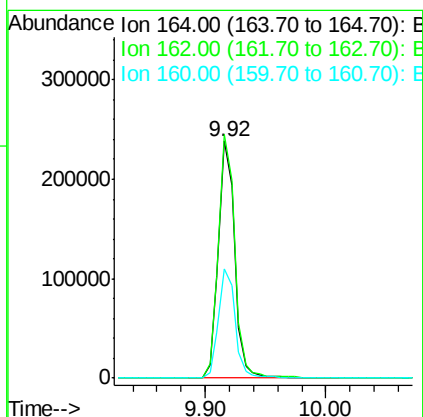
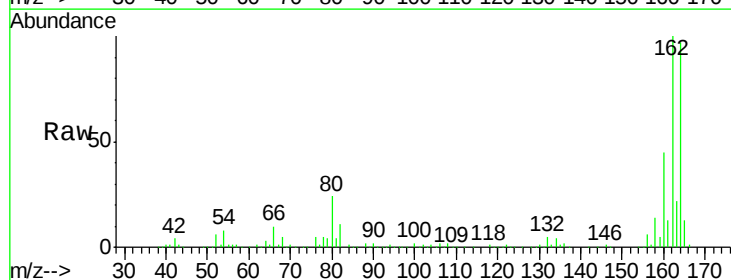
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 772813
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:164 Resp: 221794
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 45.9 38.3 57.5

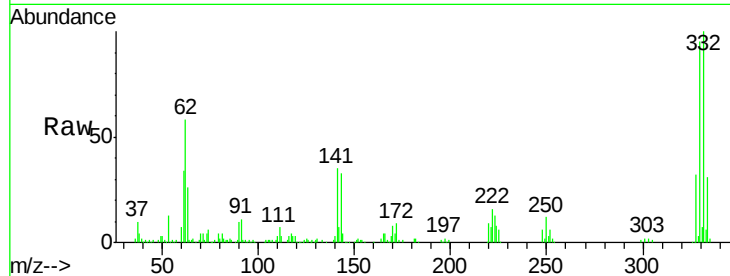




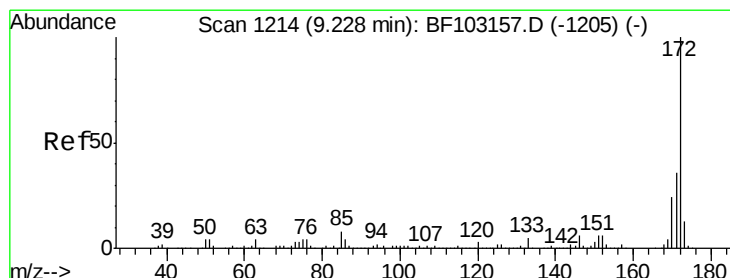
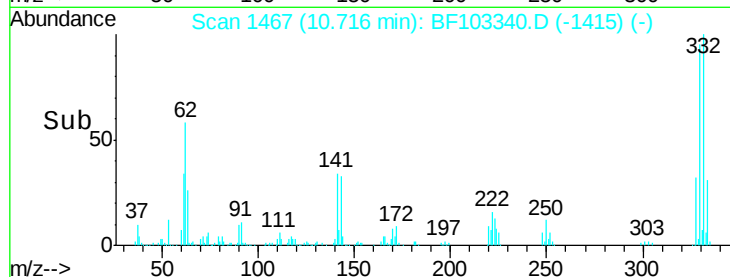
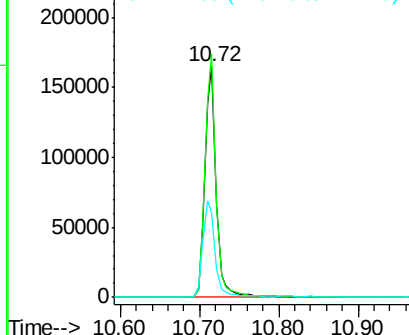
#41
2,4,6-Tribromophenol
Concen: 88.515 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:330 Resp: 166174
Ion Ratio Lower Upper
330 100
332 103.1 77.0 115.6
141 46.3 29.9 44.9#

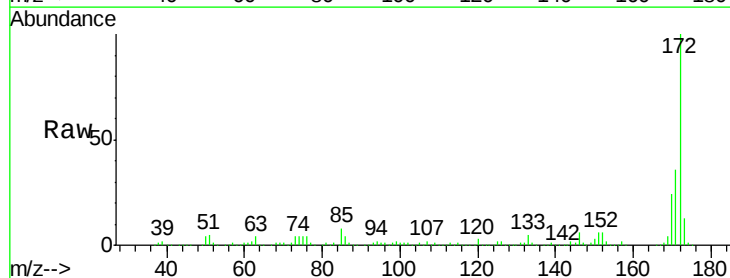


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

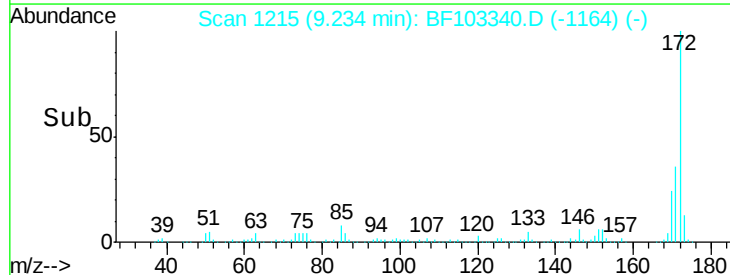
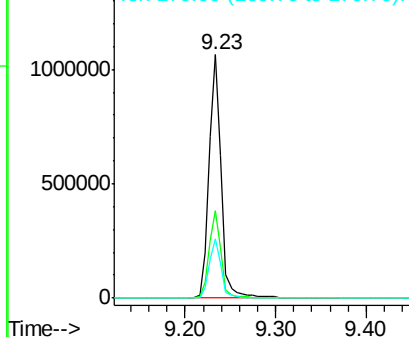


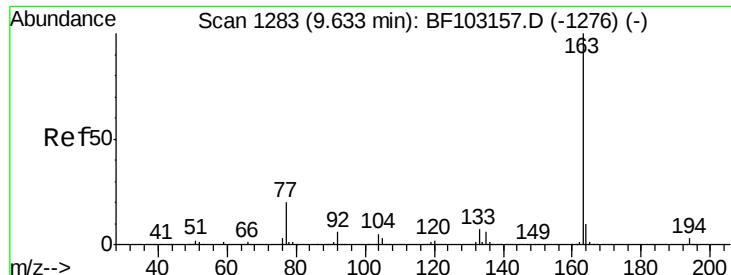
#44
2-Fluorobiphenyl
Concen: 77.378 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:172 Resp: 1017925
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.2 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

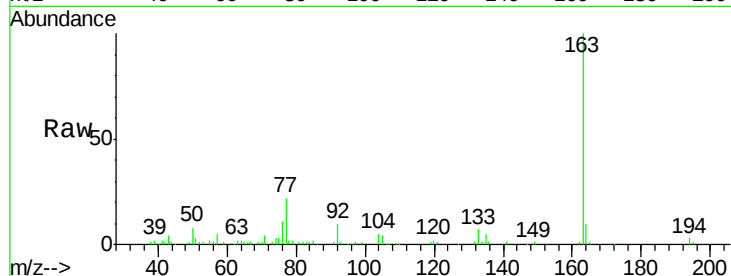




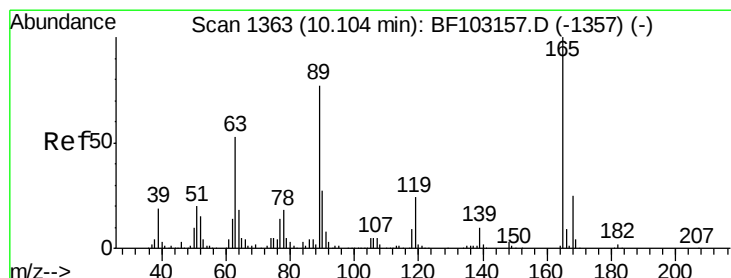
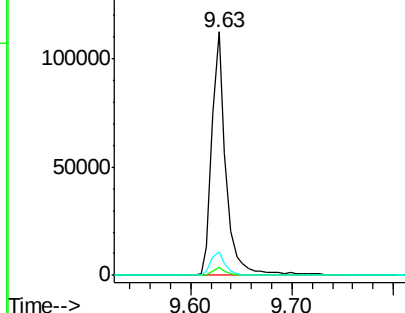
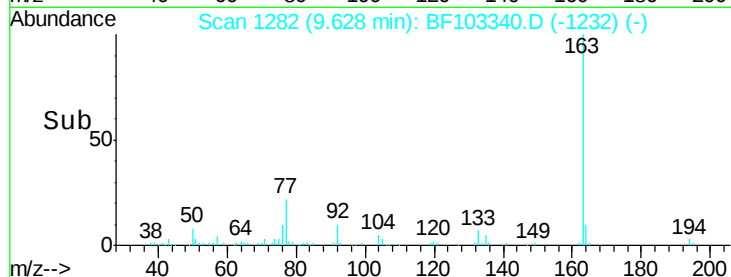
#49
Dimethylphthalate
Concen: 6.127 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 109018
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.7 8.2 12.2

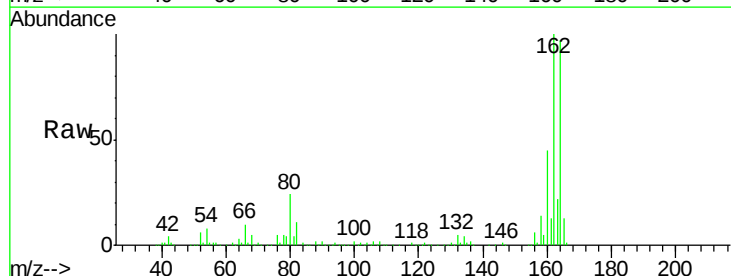


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

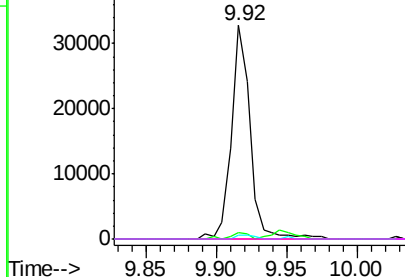
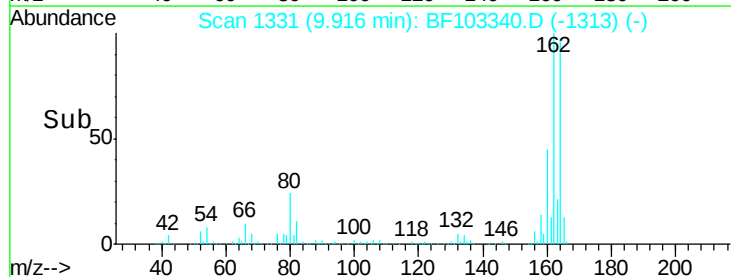


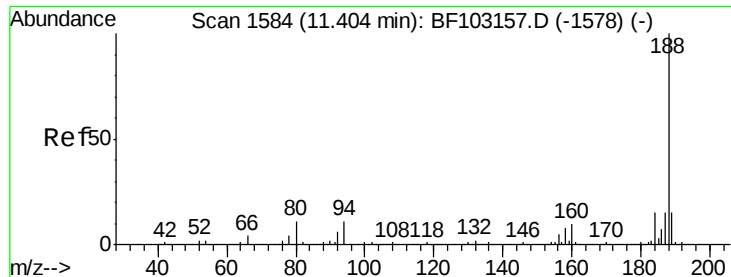
#56
2,4-Dinitrotoluene
Concen: 6.452 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:165 Resp: 30467
Ion Ratio Lower Upper
165 100
63 2.7 36.4 54.6#
89 1.9 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: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

ClientSampled :

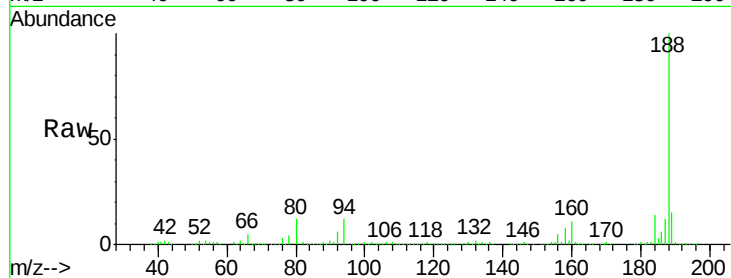
Tot Ion:188 Resp: 318374

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

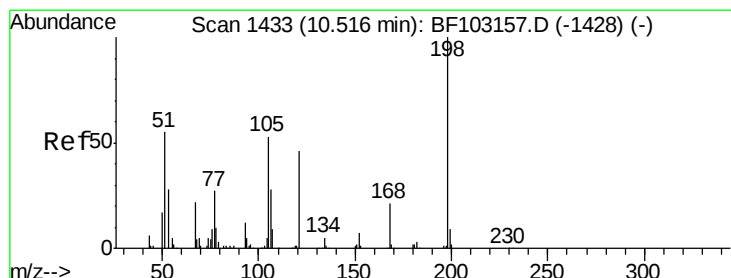
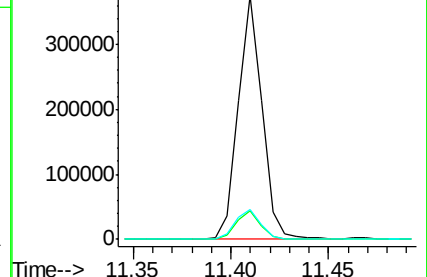
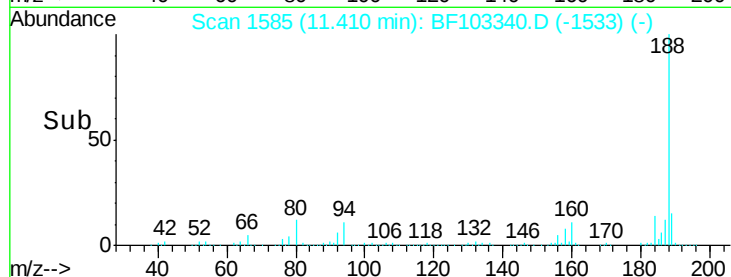
80 12.1 9.2 13.8



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: 5.129 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

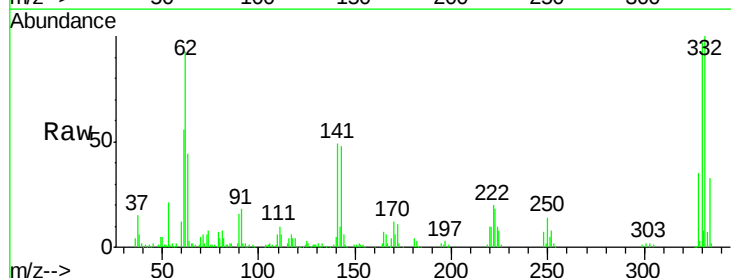
Tgt Ion:198 Resp: 397

Ion Ratio Lower Upper

198 100

51 275.8 37.7 77.7#

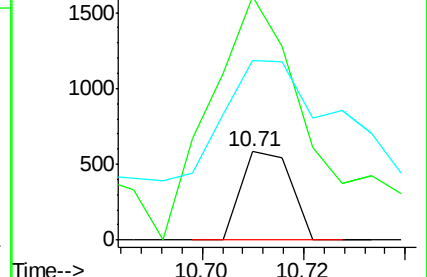
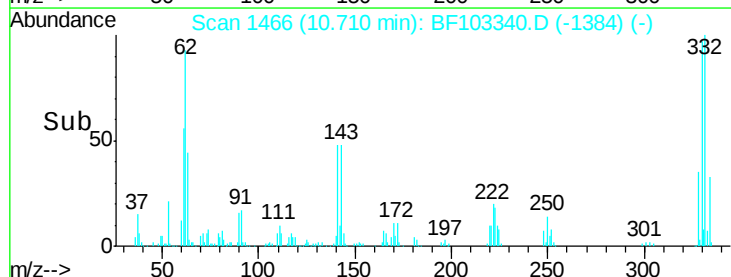
105 203.1 36.3 76.3#

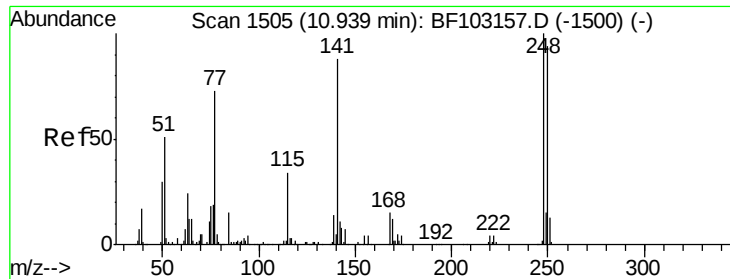


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

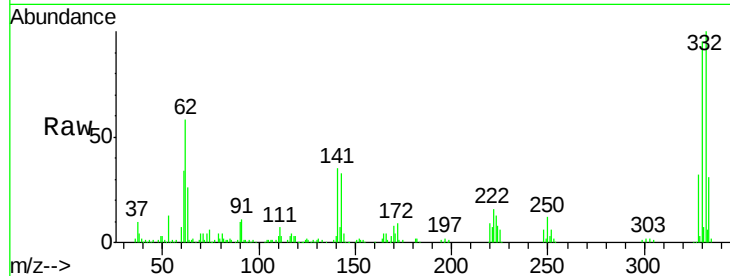




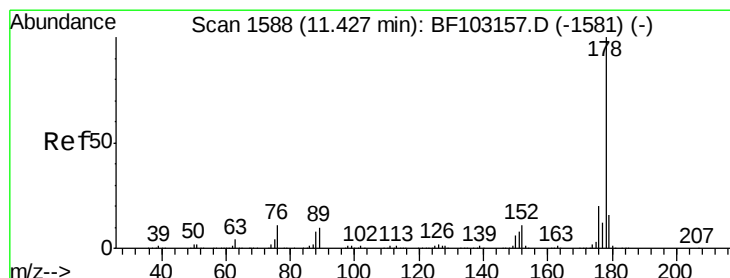
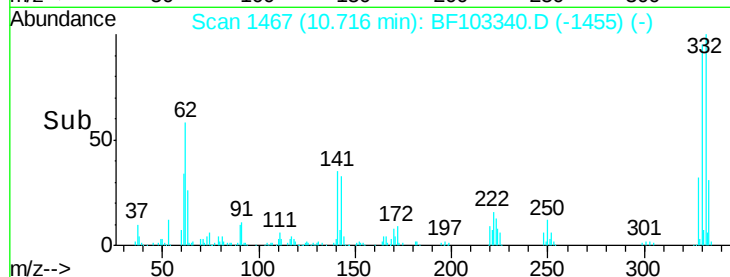
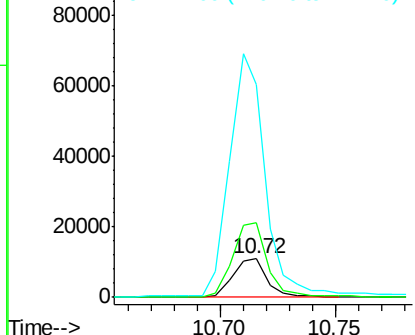
#66
4-Bromophenyl-phenylether
Concen: 3.405 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.23 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11294
Ion Ratio Lower Upper
248 100
250 193.9 76.9 115.3#
141 554.2 74.4 111.6#

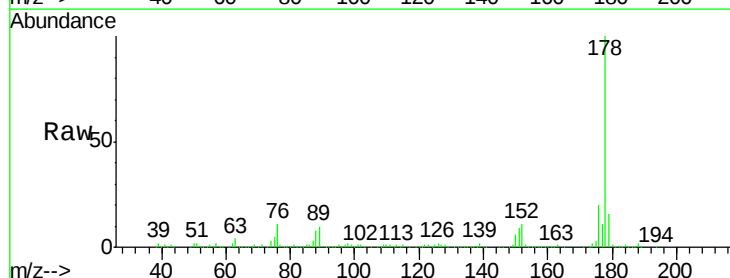


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

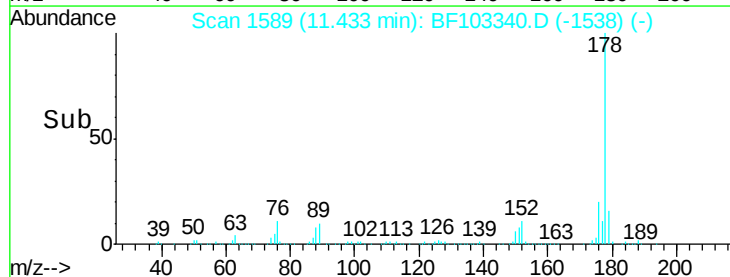
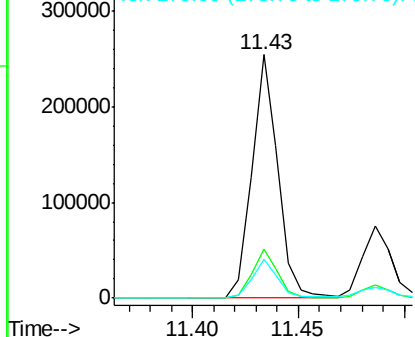


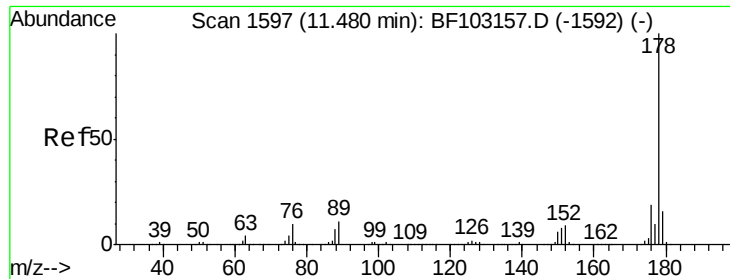
#70
Phenanthrene
Concen: 12.364 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:178 Resp: 216637
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 15.9 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

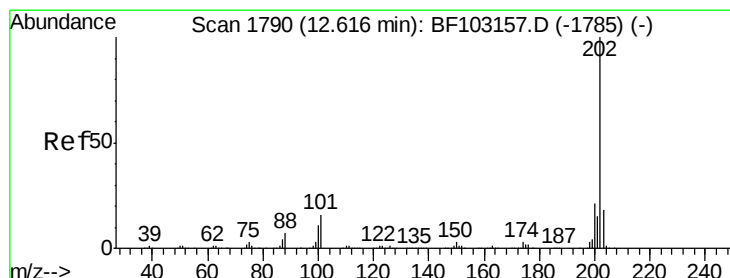
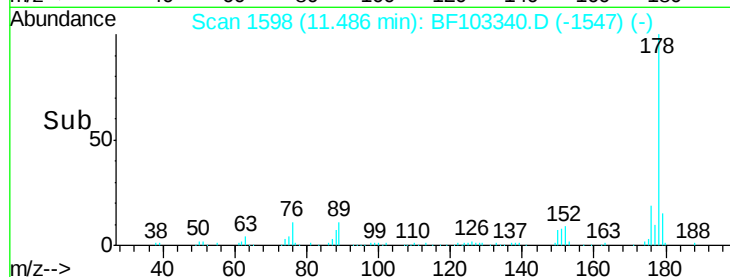
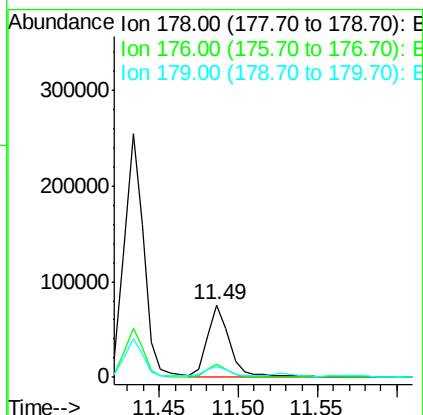
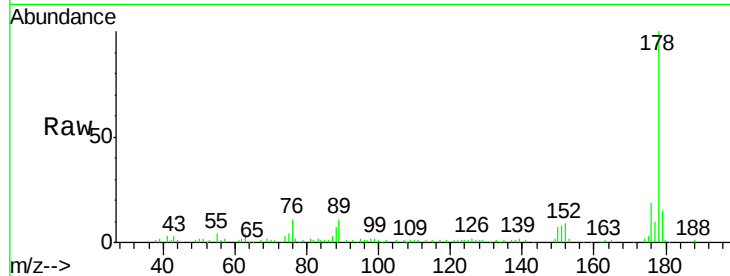




#71
 Anthracene
 Concen: 4.084 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103340.D
 Acq: 1 Mar 2018 16:49

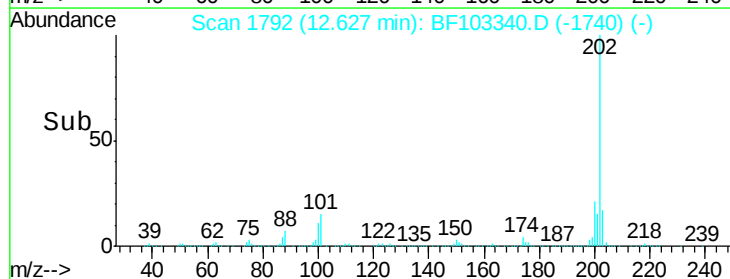
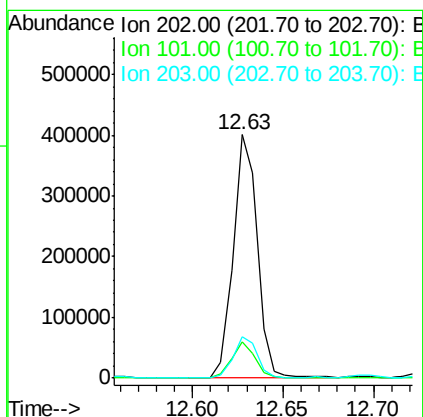
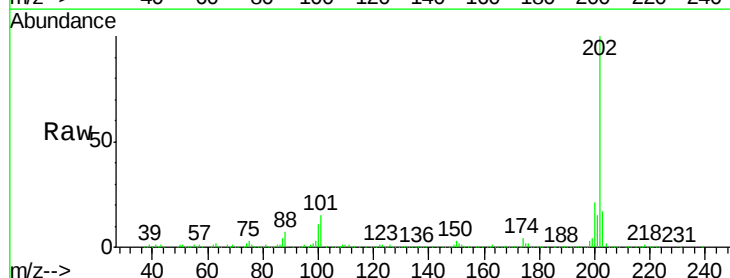
Instrument :
 BNA_F
 ClientSampleId :

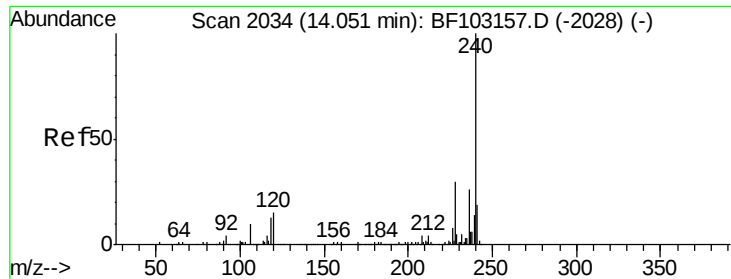
Tot Ion:178 Resp: 73383
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.5 12.6 19.0



#74
 Fluoranthene
 Concen: 20.999 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF103340.D
 Acq: 1 Mar 2018 16:49

Tgt Ion:202 Resp: 369720
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 34.1
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

ClientSampleId :

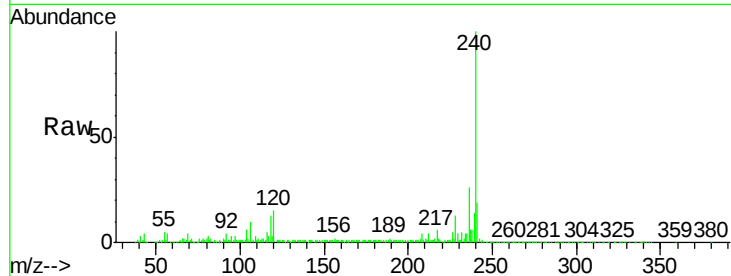
Tot Ion:240 Resp: 206290

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

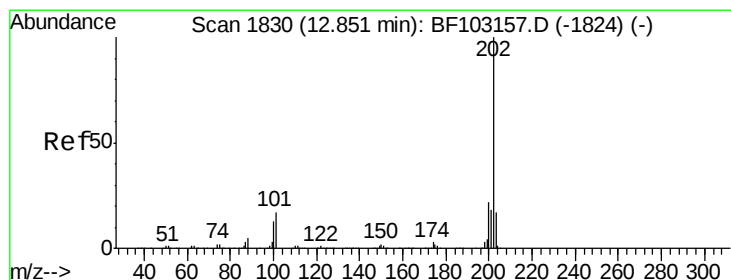
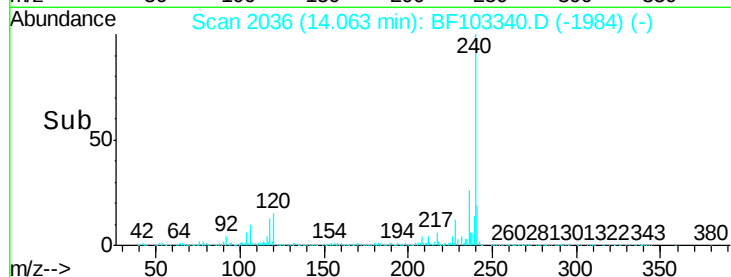
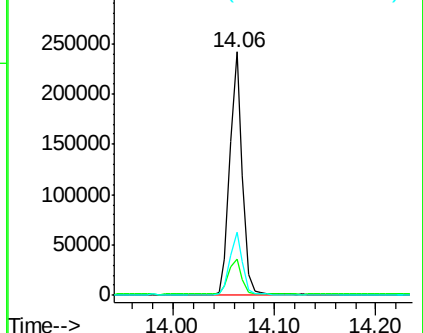
236 25.8 20.7 31.1



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

Pyrene

Concen: 21.297 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

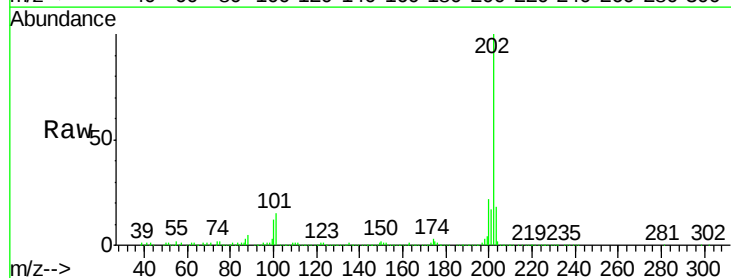
Tgt Ion:202 Resp: 342529

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

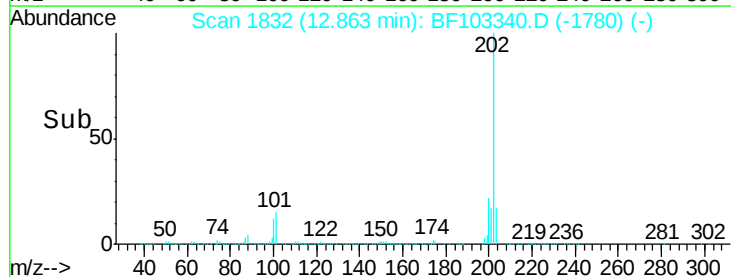
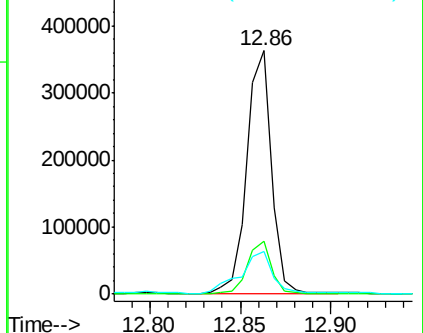
203 17.7 14.3 21.5

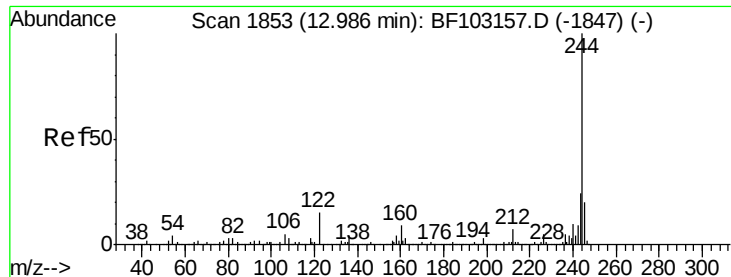


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.383 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

ClientSampleId :

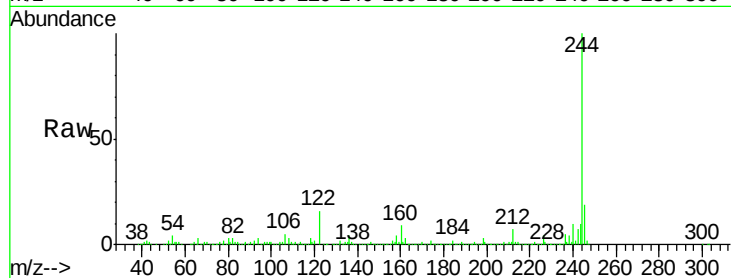
Tot Ion:244 Resp: 672651

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

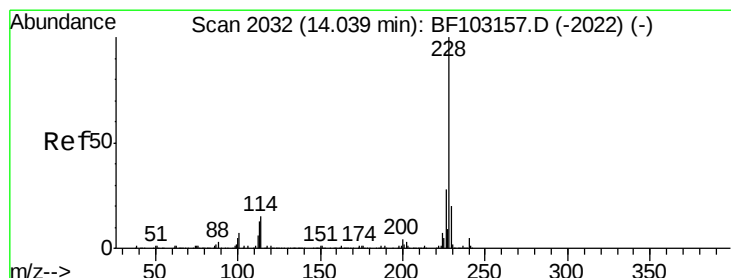
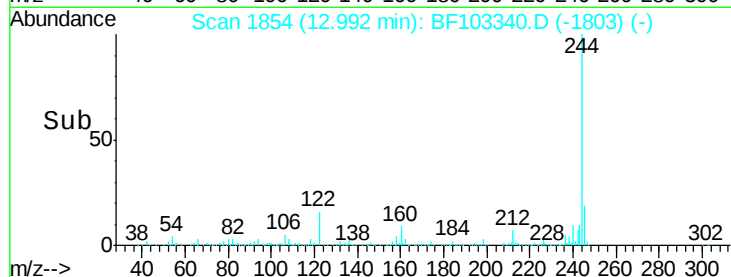
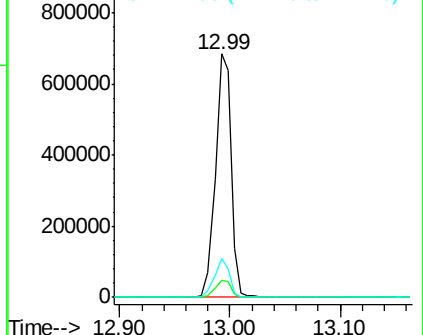
122 15.7 11.0 16.4



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: 11.280 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

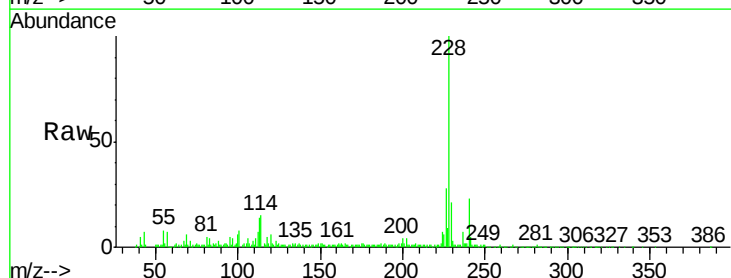
Tgt Ion:228 Resp: 150982

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

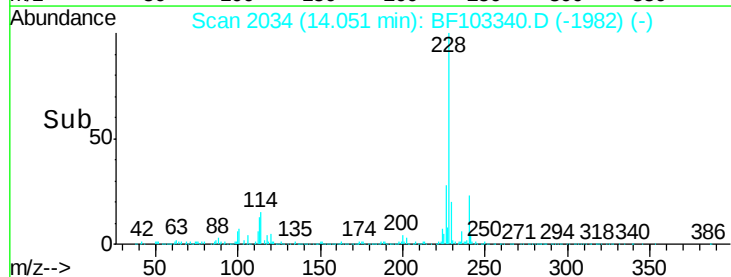
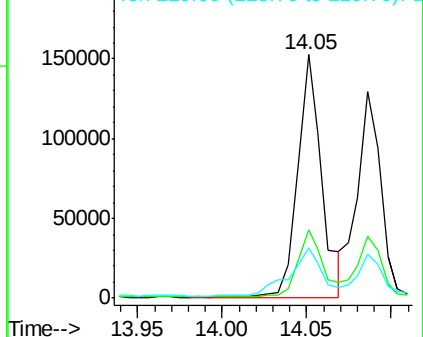
229 20.8 15.8 23.6

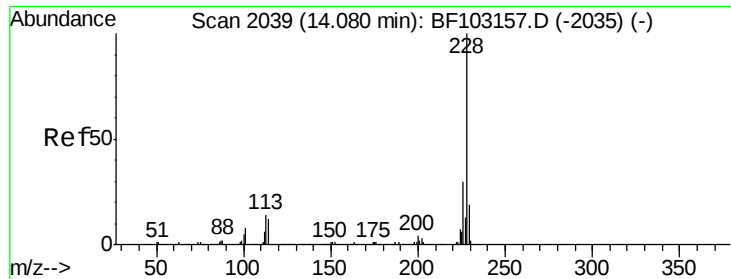


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

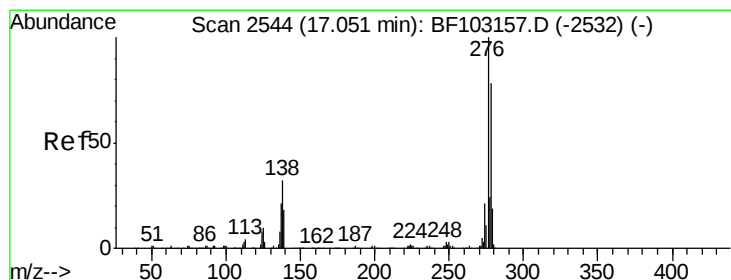
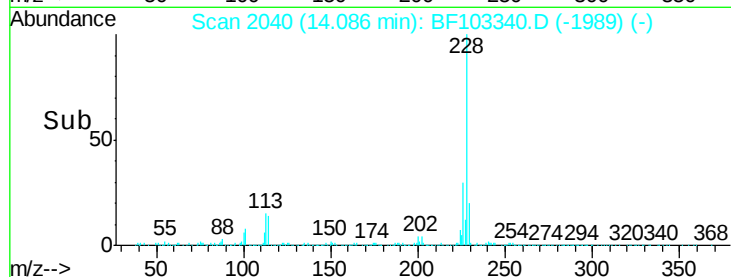
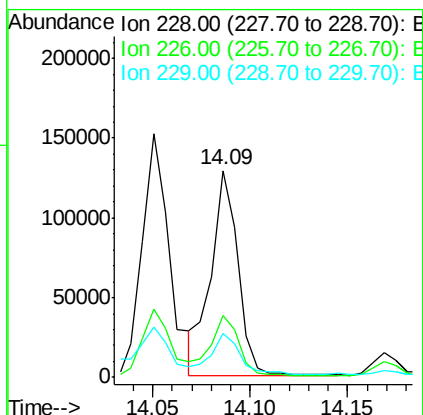
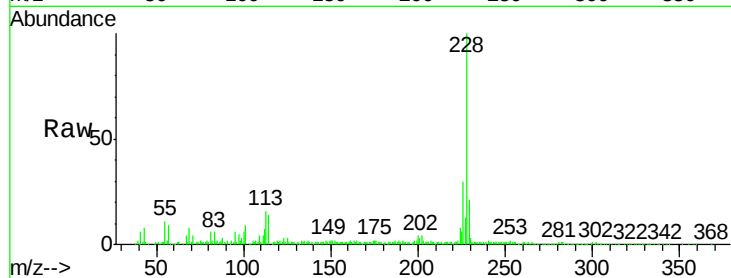




#82
Chrysene
Concen: 9.720 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

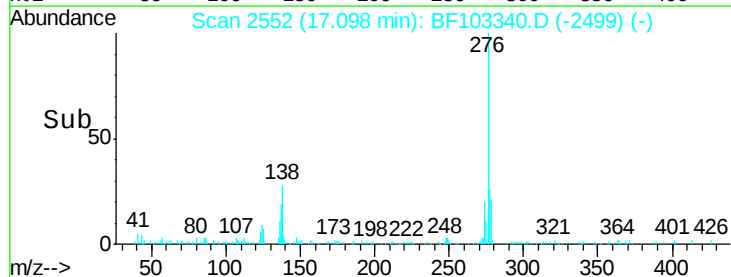
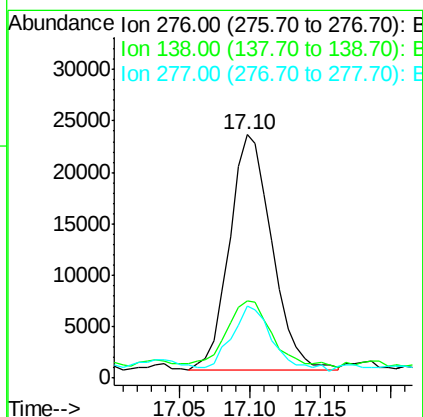
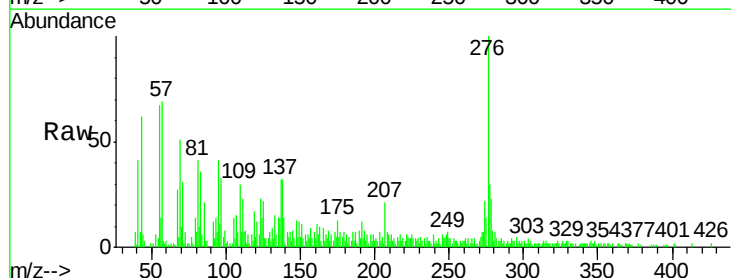
Instrument :
BNA_F
ClientSampleId :

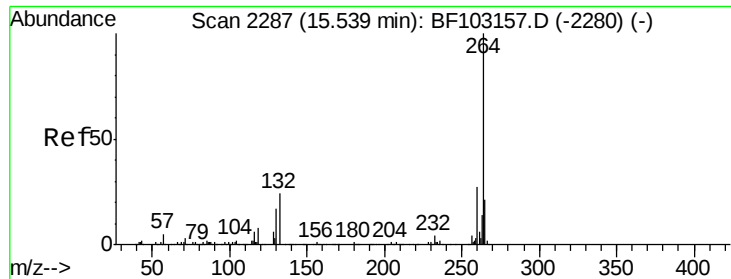
Tot Ion:228 Resp: 126320
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.687 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:276 Resp: 48227
Ion Ratio Lower Upper
276 100
138 30.1 25.0 37.6
277 26.5 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

ClientSampleId :

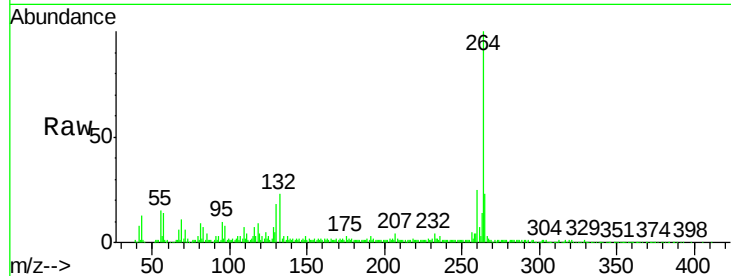
Tot Ion:264 Resp: 150335

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

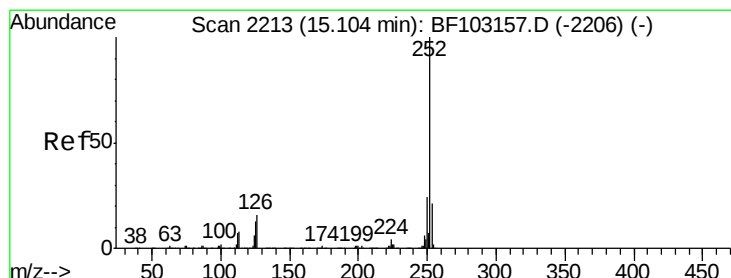
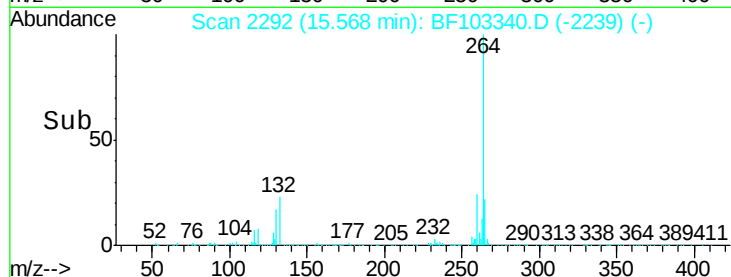
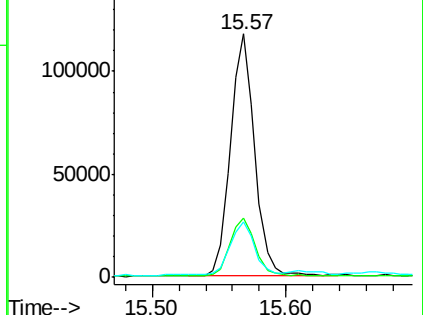
265 22.6 17.5 26.3



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: 17.273 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

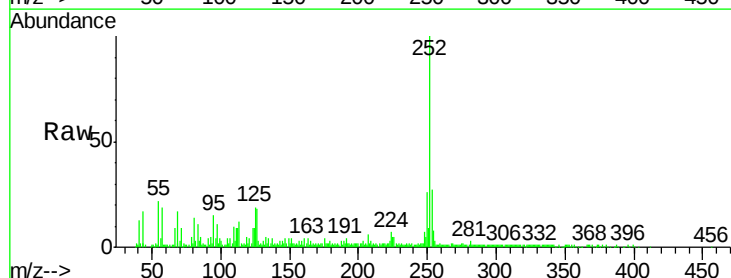
Tgt Ion:252 Resp: 170737

Ion Ratio Lower Upper

252 100

253 27.1 17.0 25.6#

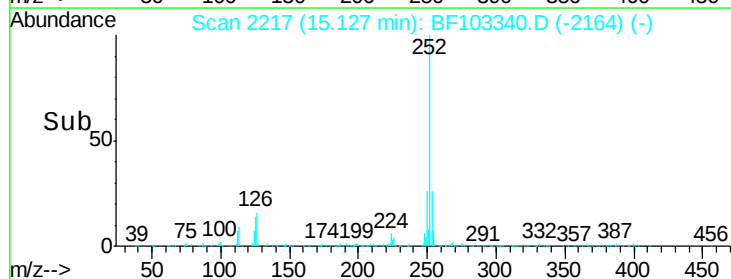
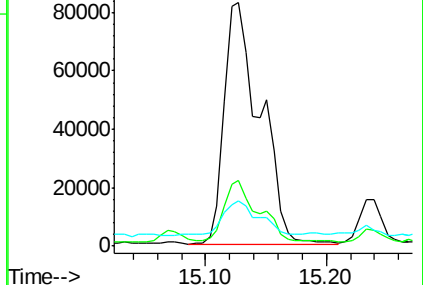
125 18.6 9.0 13.6#

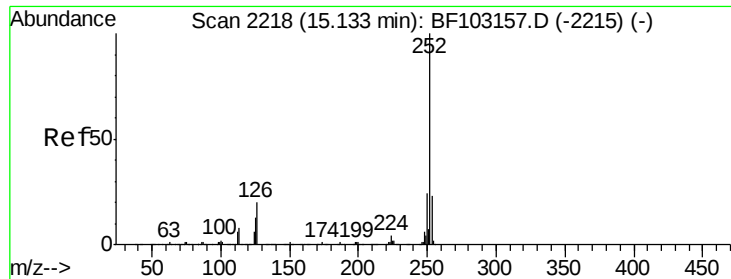


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

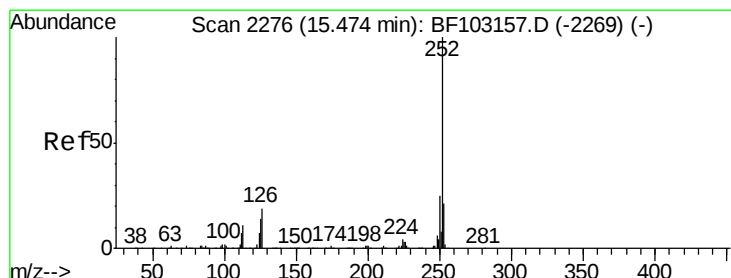
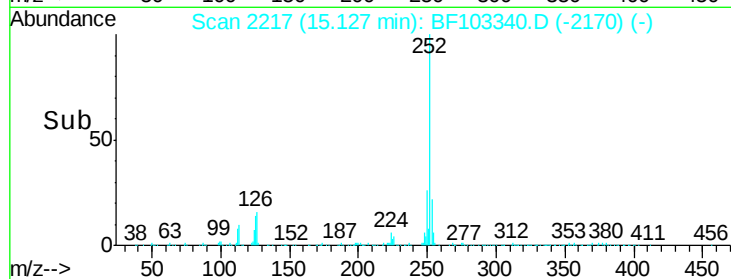
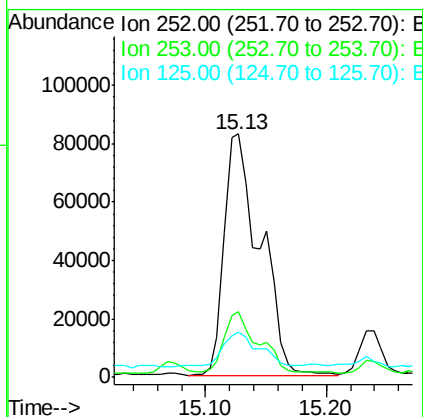
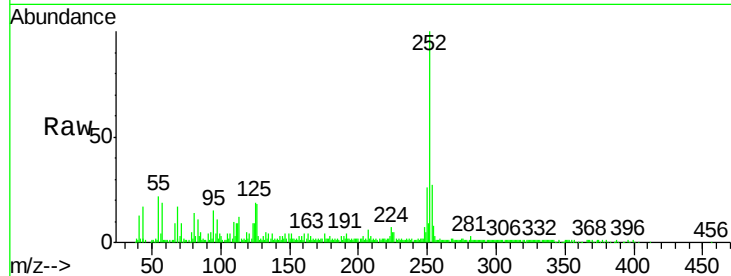




#88
Benzo(k)fluoranthene
Concen: 18.344 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

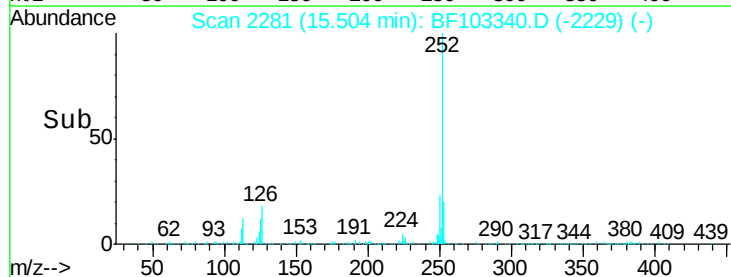
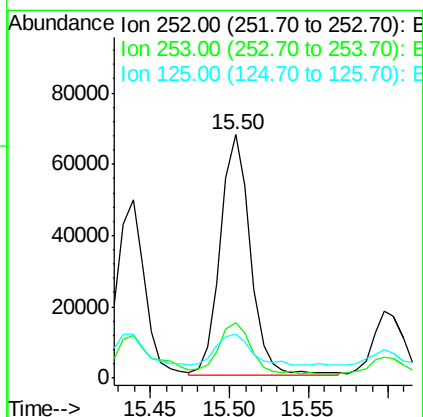
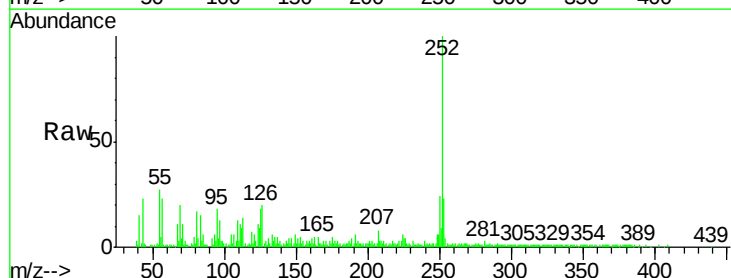
Instrument :
BNA_F
ClientSampleId :

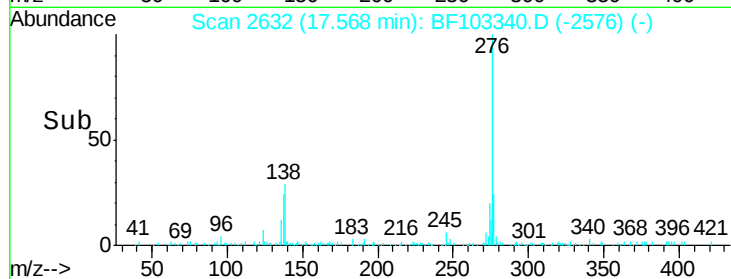
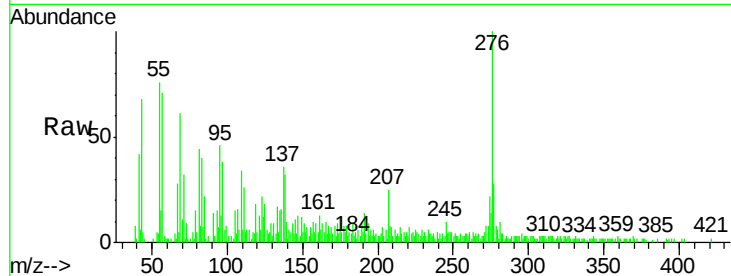
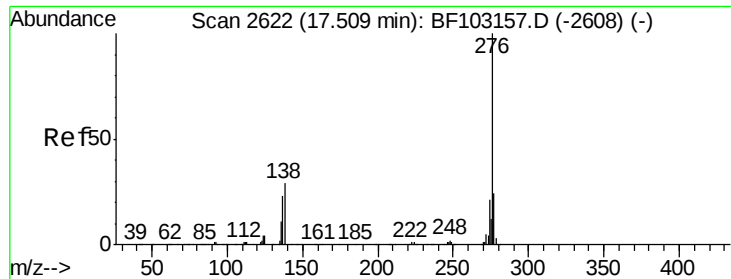
Tot Ion:252 Resp: 170737
Ion Ratio Lower Upper
252 100
253 27.1 17.9 26.9#
125 18.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 10.052 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF103340.D
Acq: 1 Mar 2018 16:49

Tgt Ion:252 Resp: 88727
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 18.1 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 6.797 ng

RT: 17.57 min Scan# 2632

Delta R.T. 0.03 min

Lab File: BF103340.D

Acq: 1 Mar 2018 16:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 45306

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 31.9 21.8 32.8

