

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103344.D
 Acq On : 1 Mar 2018 18:37
 Operator : SJ/JU
 Sample : J1721-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:27:48 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	128790	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	492613	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	182430	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	282076	20.00	ng	0.00
75) Chrysene-d12	14.06	240	188108	20.00	ng	0.00
86) Perylene-d12	15.57	264	135952	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	810250	95.15	ng	0.01
7) Phenol-d6	6.52	99	936537	89.88	ng	0.00
23) Nitrobenzene-d5	7.44	82	578444	67.06	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	118848	76.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	794257	72.37	ng	0.00
78) Terphenyl-d14	13.00	244	606575	77.52	ng	0.00

Target Compounds

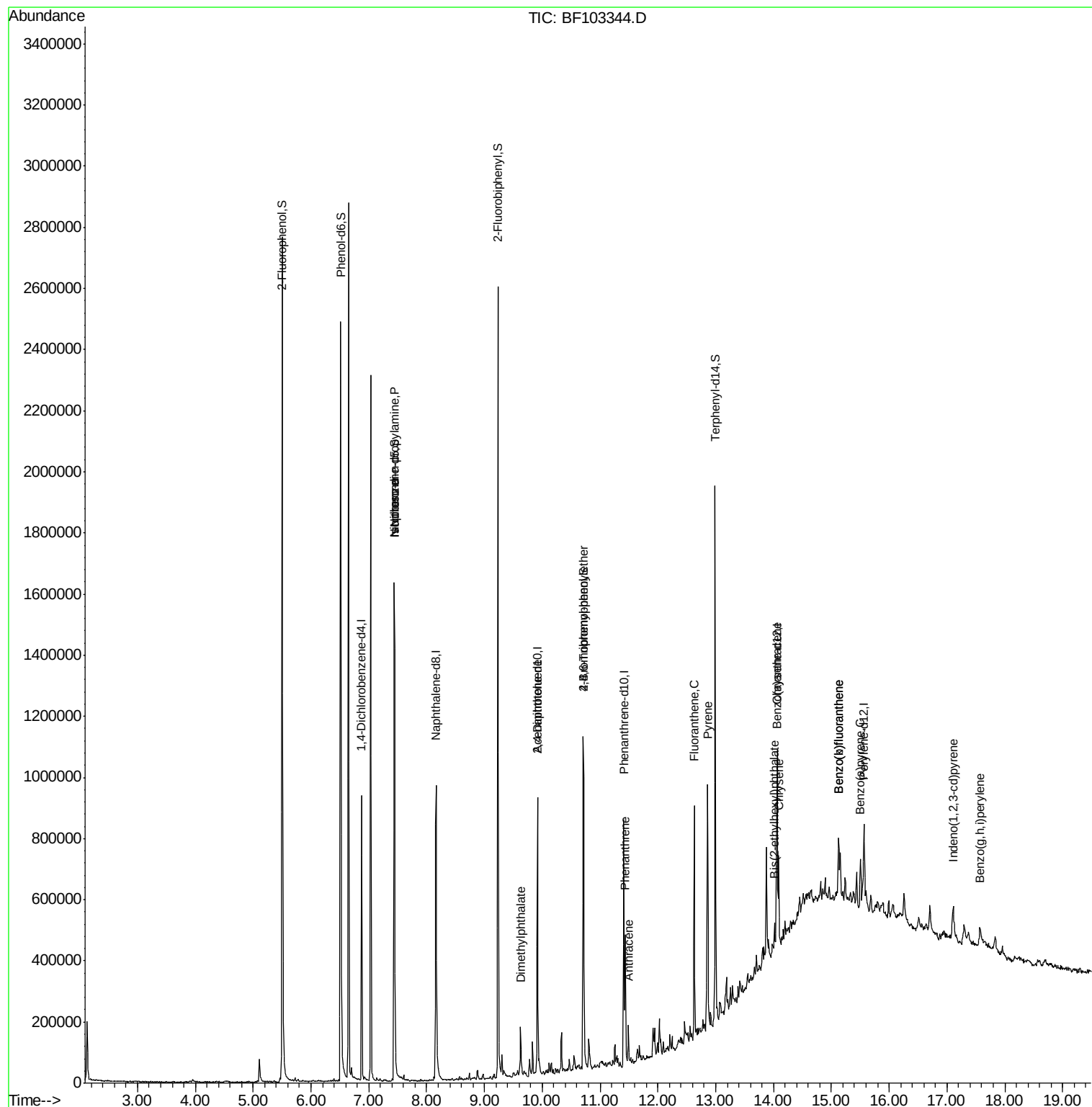
						Qvalue
9) Benzaldehyde	6.45	77	723	Below Cal	#	40
19) n-Nitroso-di-n-propylamine	7.44	70	75688	11.671 ng	#	85
25) Isophorone	7.44	82	578441	34.048 ng	#	64
49) Dimethylphthalate	9.63	163	64830	4.430 ng		100
56) 2,4-Dinitrotoluene	9.92	165	25630	6.599 ng	#	24
66) 4-Bromophenyl-phenylether	10.71	248	8465	2.881 ng	#	1
70) Phenanthrene	11.43	178	147632	9.510 ng		99
71) Anthracene	11.49	178	54180	3.404 ng		97
74) Fluoranthene	12.63	202	301959	19.357 ng		98
77) Pyrene	12.86	202	315831	21.535 ng		99
80) Benzo(a)anthracene	14.05	228	128011	10.488 ng		97
82) Chrysene	14.09	228	119999	10.126 ng		95
83) Bis(2-ethylhexyl)phthalate	14.02	149	22695	2.170 ng		97
85) Indeno(1,2,3-cd)pyrene	17.10	276	48241	5.142 ng		95
87) Benzo(b)fluoranthene	15.13	252	149538	16.729 ng	#	89
88) Benzo(k)fluoranthene	15.13	252	149538	17.766 ng	#	91
89) Benzo(a)pyrene	15.50	252	75438	9.451 ng	#	83
91) Benzo(g,h,i)perylene	17.57	276	44617	7.401 ng		92

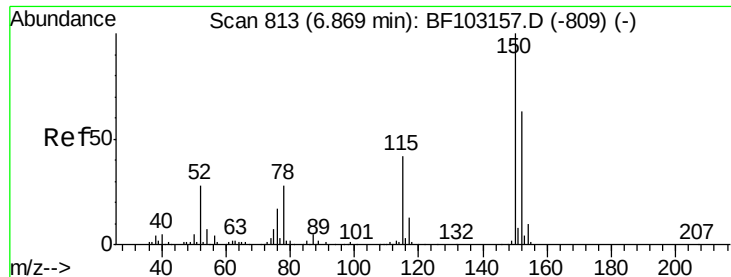
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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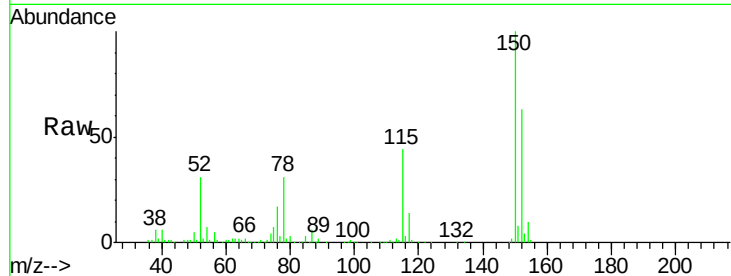


#1

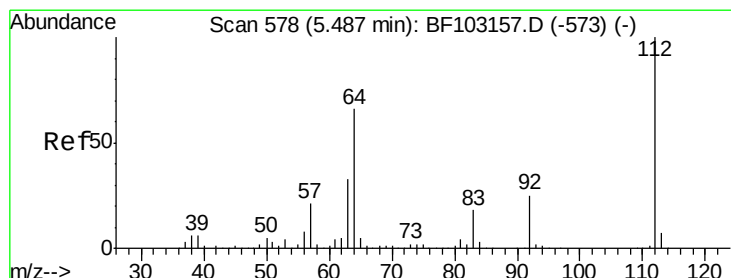
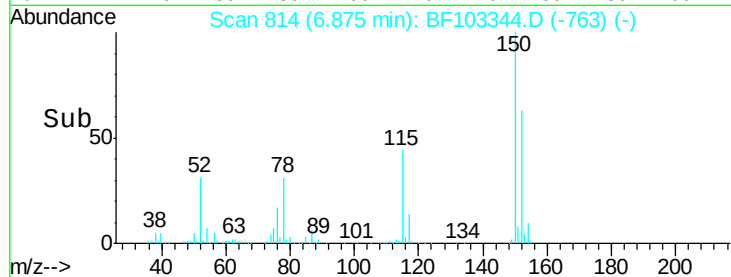
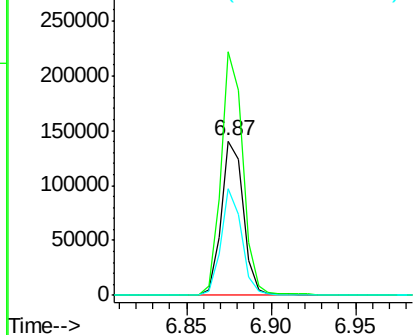
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128790
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 69.4 50.1 75.1



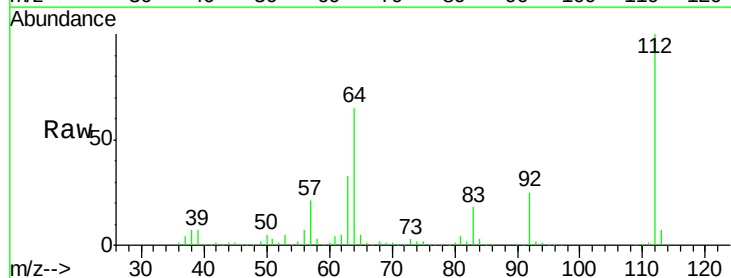
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



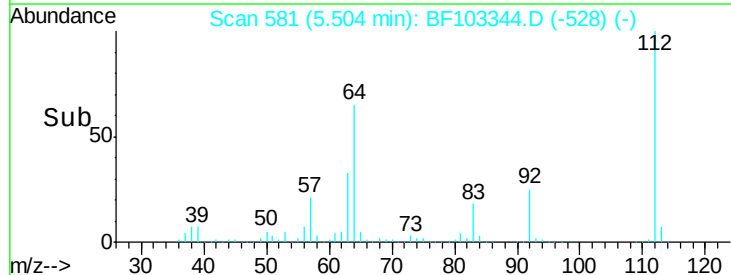
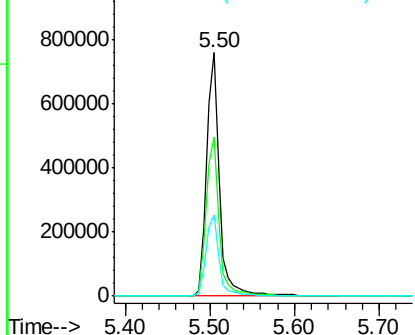
#5

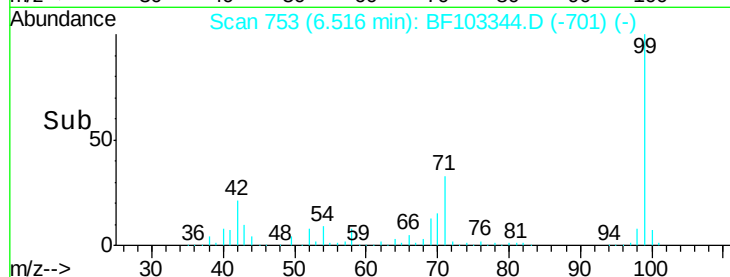
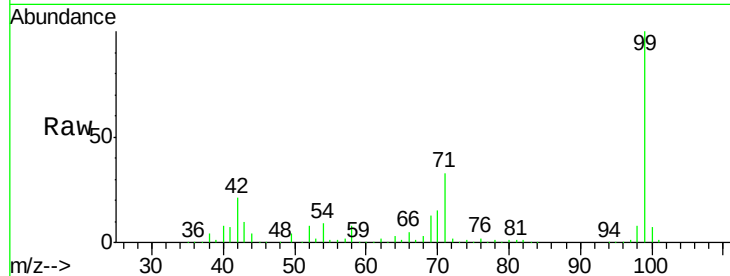
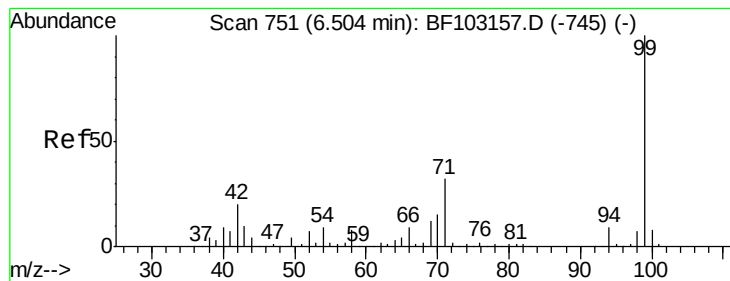
2-Fluorophenol
Concen: 95.151 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Tgt Ion:112 Resp: 810250
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 33.4 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: 89.879 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

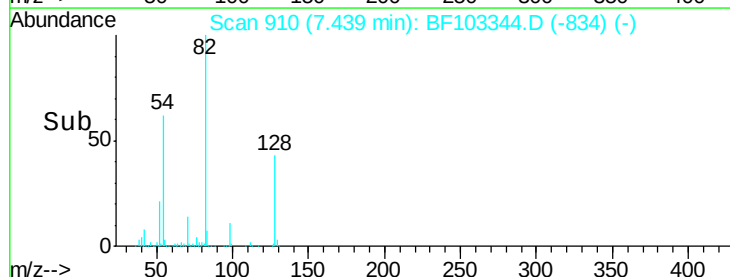
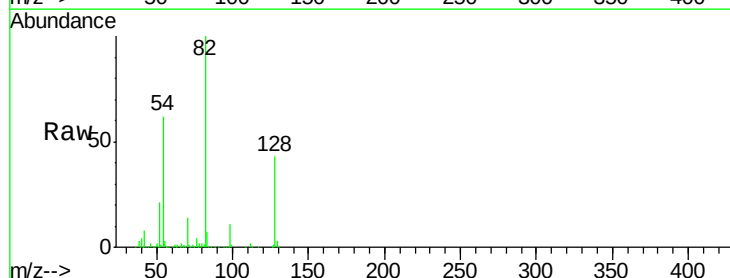
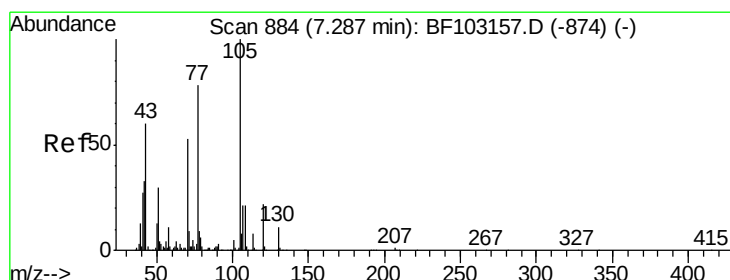
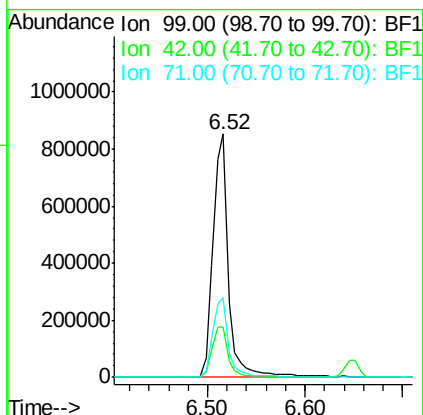
Tot Ion: 99 Resp: 936537

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.671 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

Tgt Ion: 70 Resp: 75688

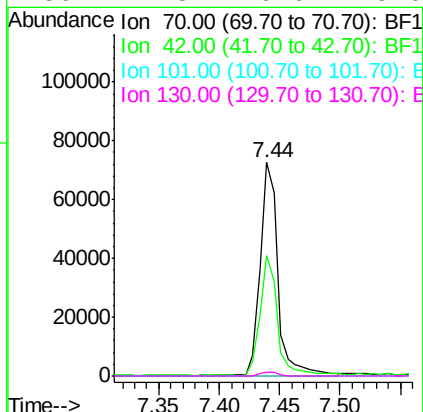
Ion Ratio Lower Upper

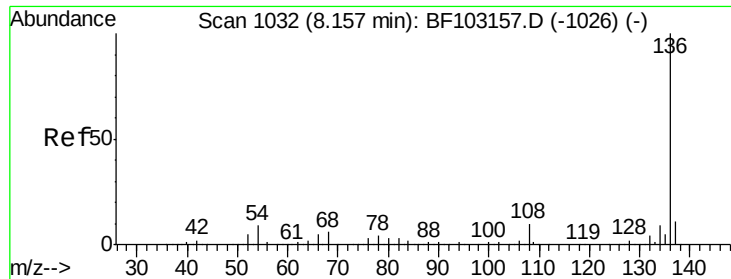
70 100

42 56.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

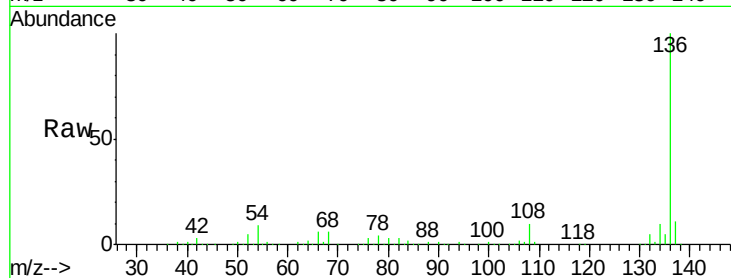




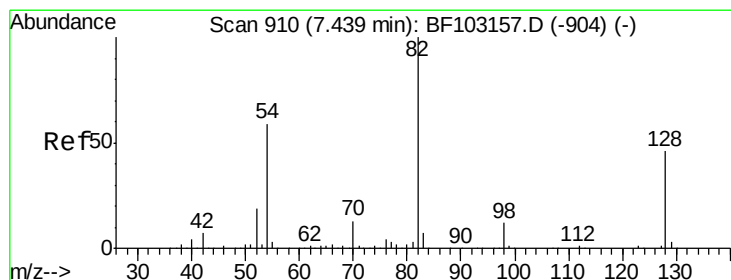
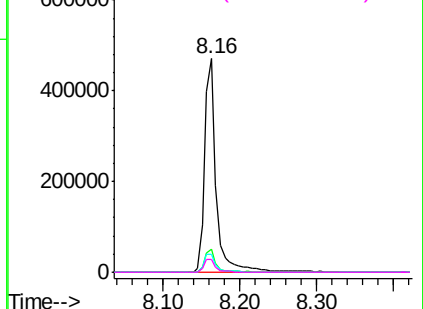
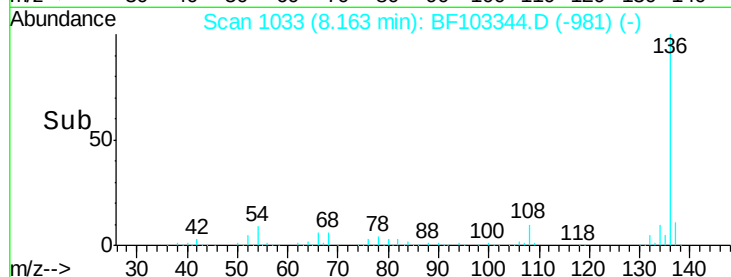
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	492613
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.7	6.6 9.8
68	6.1	5.0 7.4

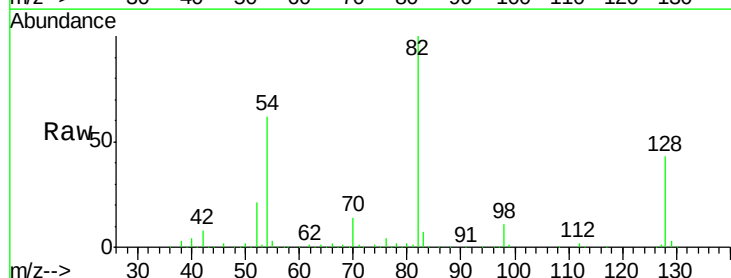


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

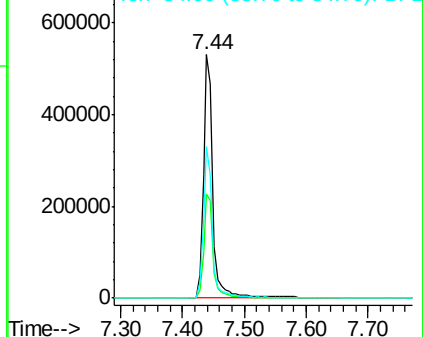
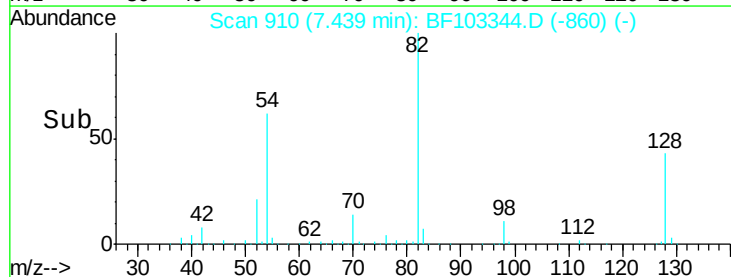


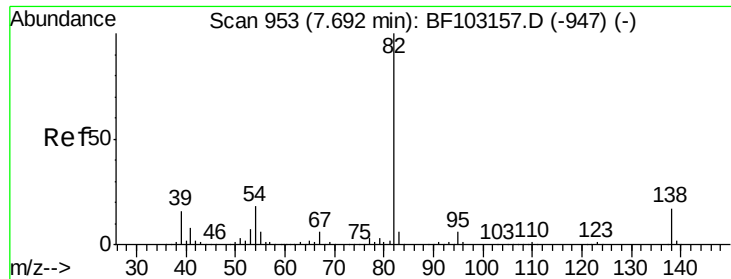
#23
Nitrobenzene-d5
Concen: 67.059 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Tgt Ion: 82	Resp:	578444
Ion Ratio	Lower	Upper
82	100	
128	42.8	36.1 54.1
54	62.4	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: 34.048 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

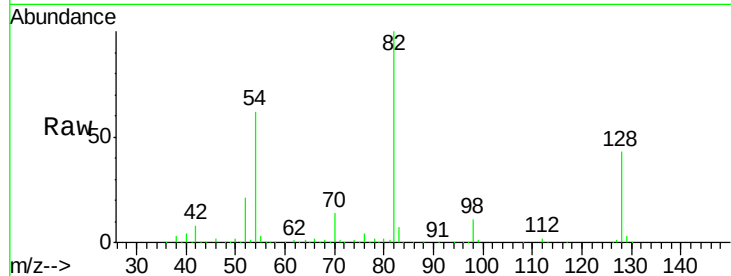
Tot Ion: 82 Resp: 578441

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

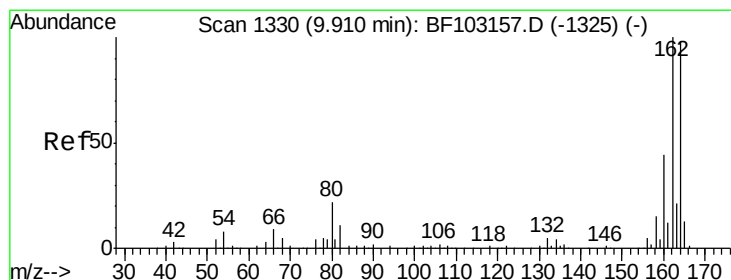
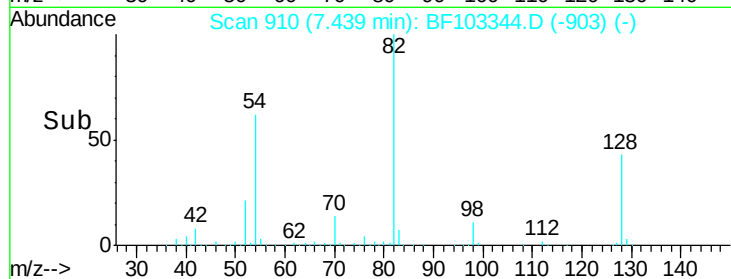
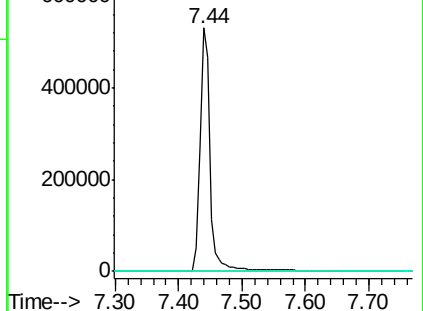
138 0.0 14.9 22.3#



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: BF103344.D

Acq: 1 Mar 2018 18:37

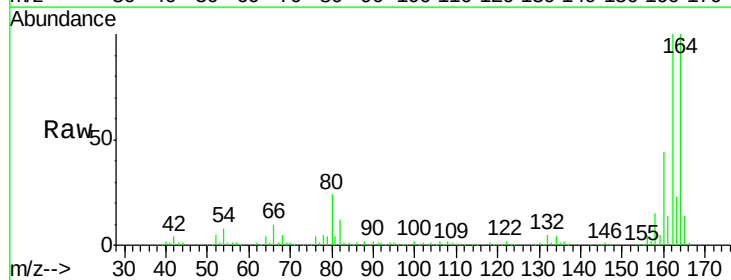
Tgt Ion:164 Resp: 182430

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

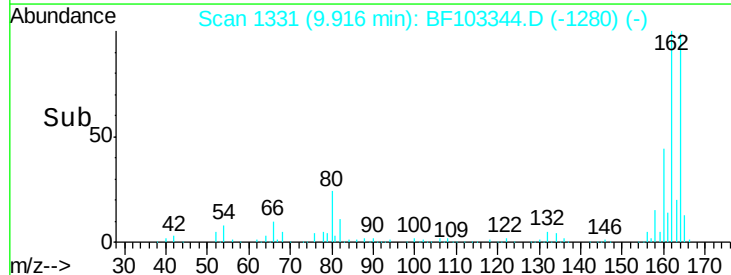
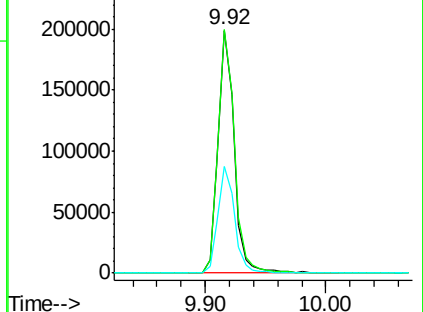
160 44.0 38.3 57.5

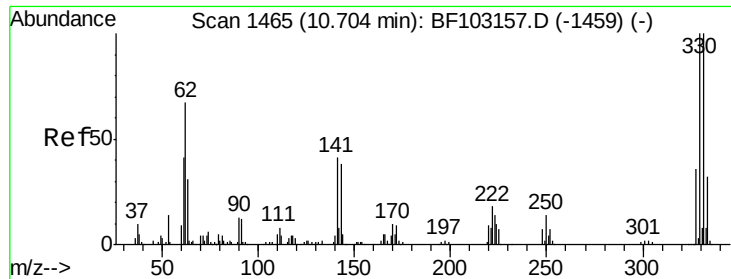


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

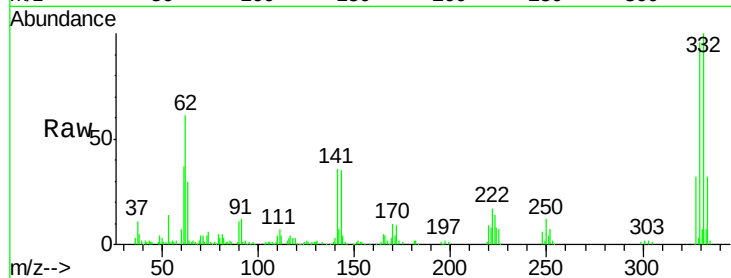




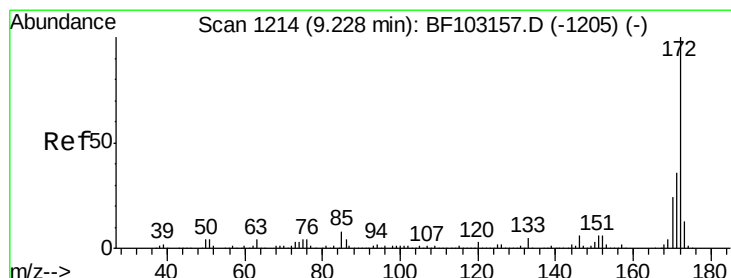
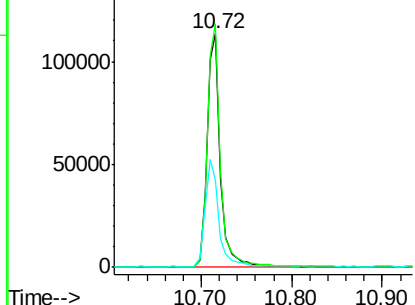
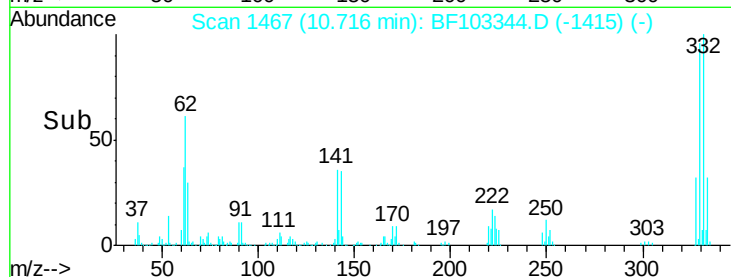
#41
 2,4,6-Tribromophenol
 Concen: 76.966 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103344.D
 Acq: 1 Mar 2018 18:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 118848
 Ion Ratio Lower Upper
 330 100
 332 102.6 77.0 115.6
 141 47.2 29.9 44.9#

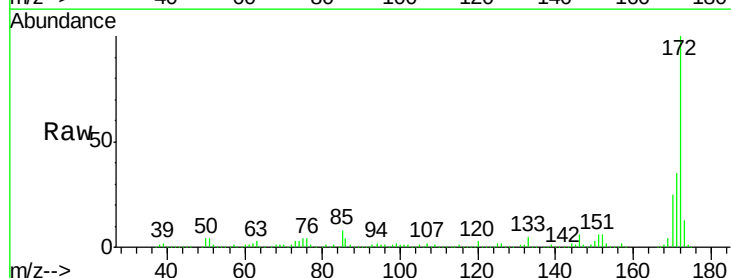


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

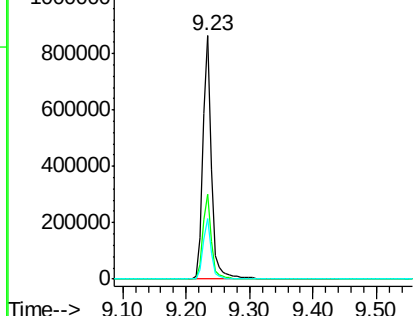
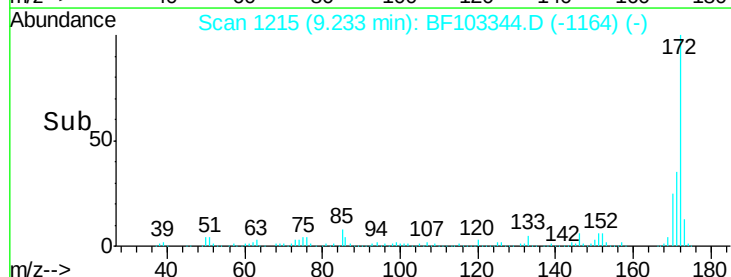


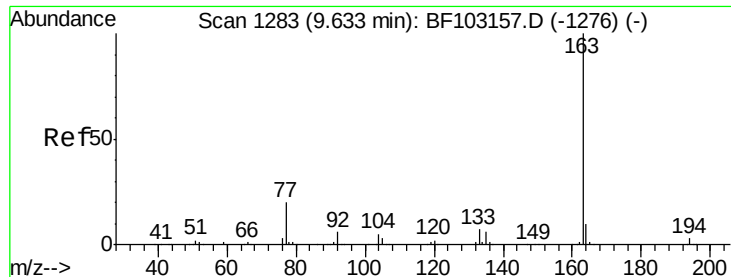
#44
 2-Fluorobiphenyl
 Concen: 72.369 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103344.D
 Acq: 1 Mar 2018 18:37

Tgt Ion:172 Resp: 794257
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 25.0 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

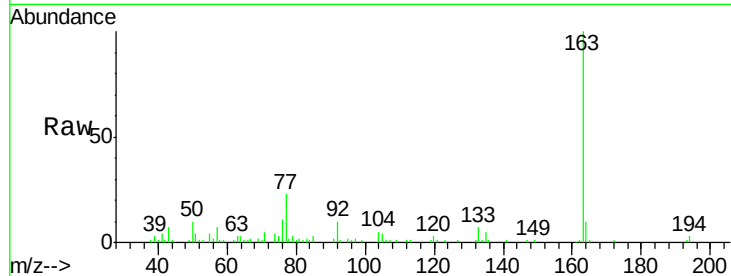




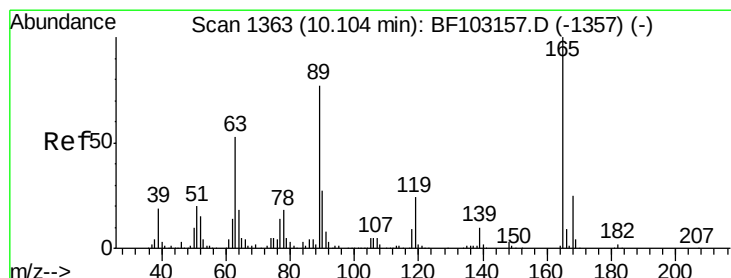
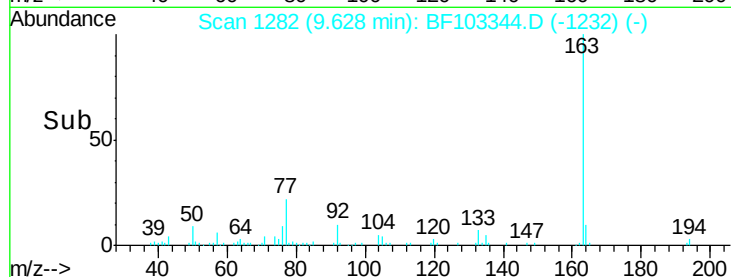
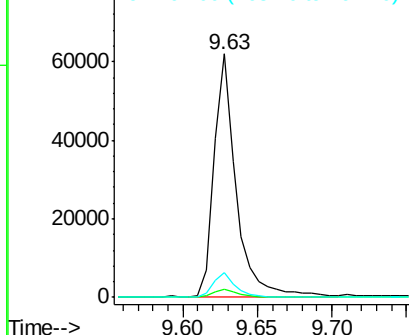
#49
Dimethylphthalate
Concen: 4.430 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 64830
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.4 8.2 12.2

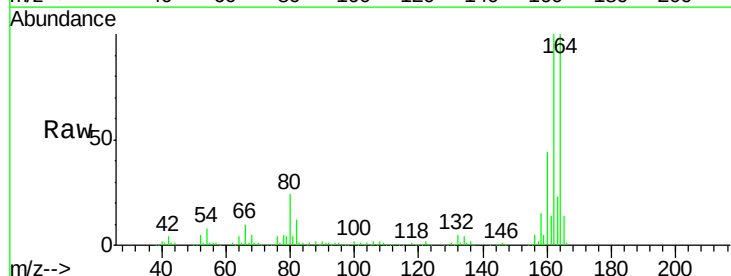


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

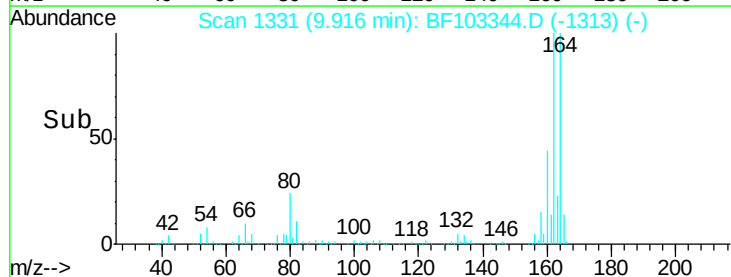
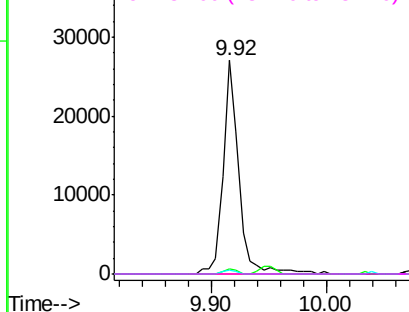


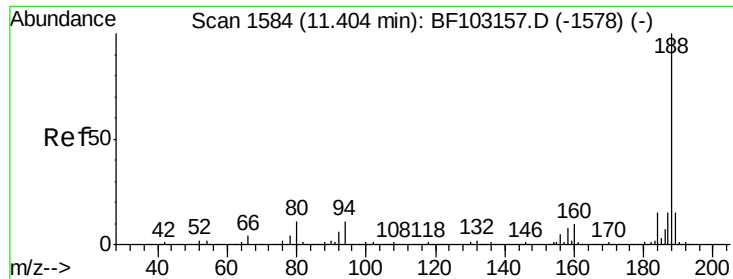
#56
2,4-Dinitrotoluene
Concen: 6.599 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Tgt Ion:165 Resp: 25630
Ion Ratio Lower Upper
165 100
63 2.2 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: BF103344.D

Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

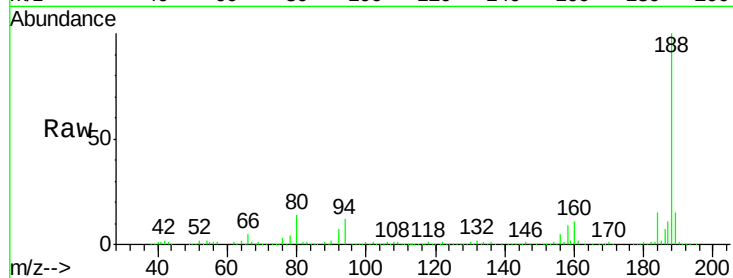
Tot Ion:188 Resp: 282076

Ion Ratio Lower Upper

188 100

94 12.5 8.5 12.7

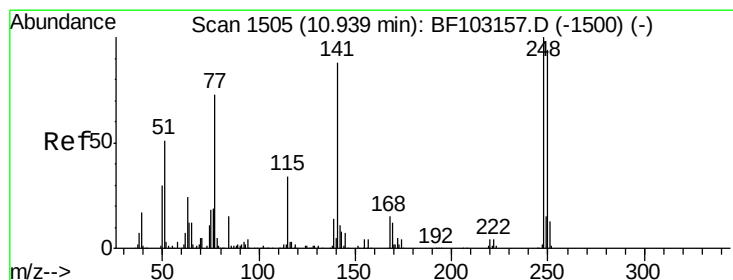
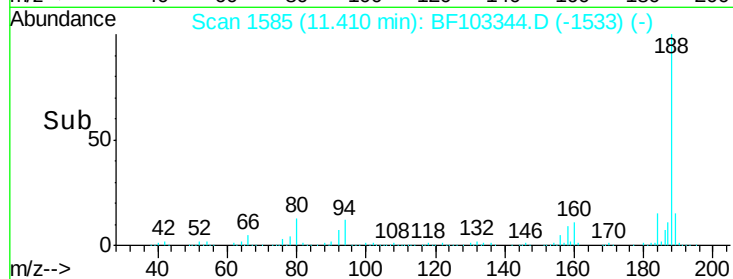
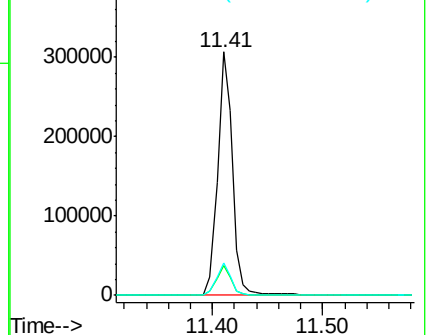
80 13.6 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 2.881 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

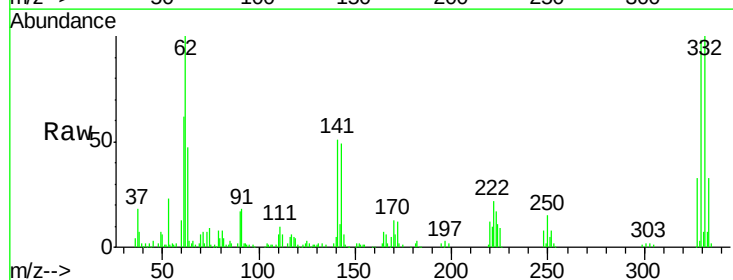
Tgt Ion:248 Resp: 8465

Ion Ratio Lower Upper

248 100

250 191.9 76.9 115.3#

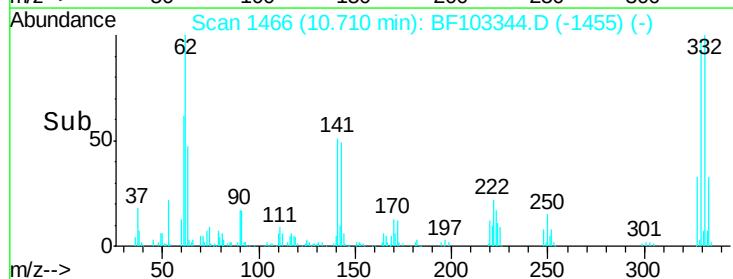
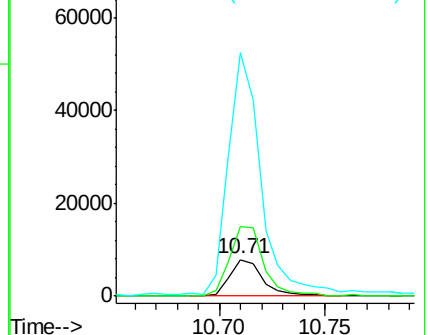
141 671.2 74.4 111.6#

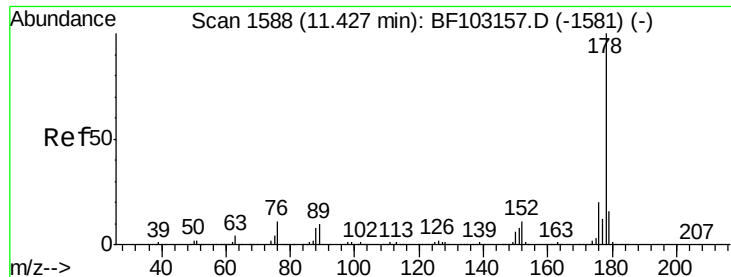


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 9.510 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

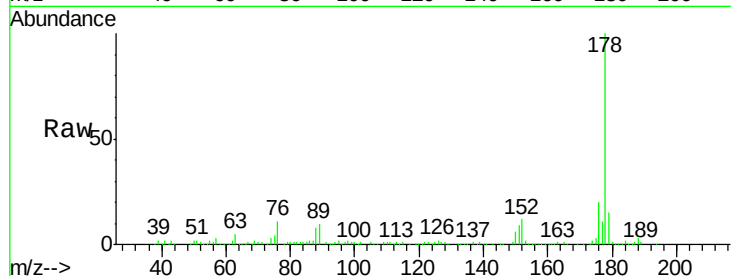
Tot Ion:178 Resp: 147632

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

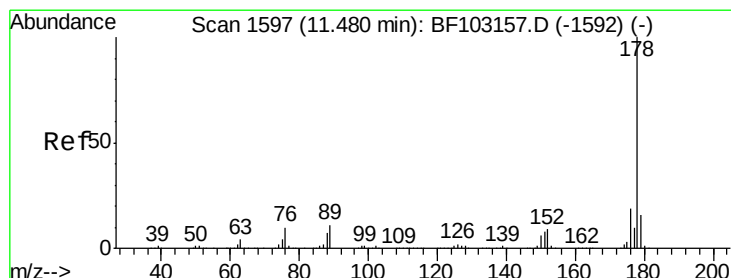
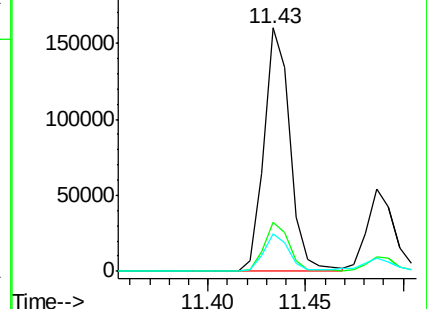
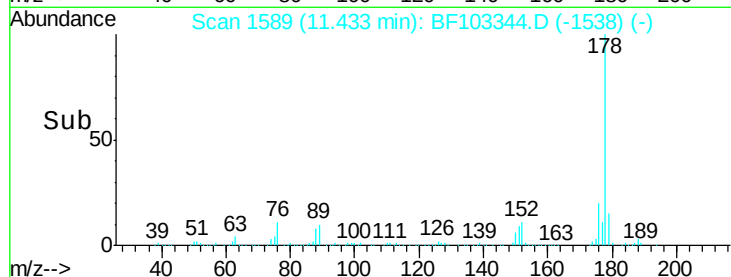
179 15.4 13.0 19.6



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



#71

Anthracene

Concen: 3.404 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

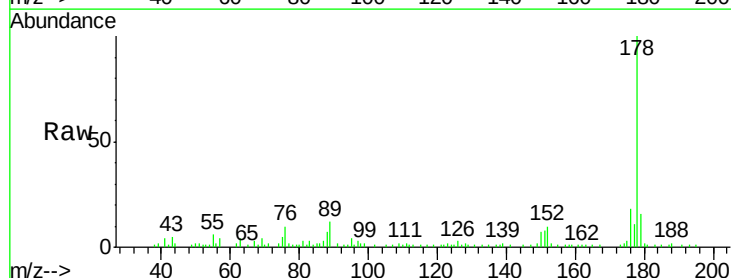
Tgt Ion:178 Resp: 54180

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

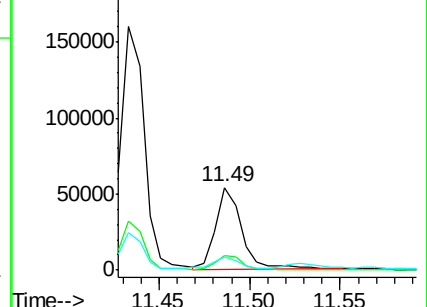
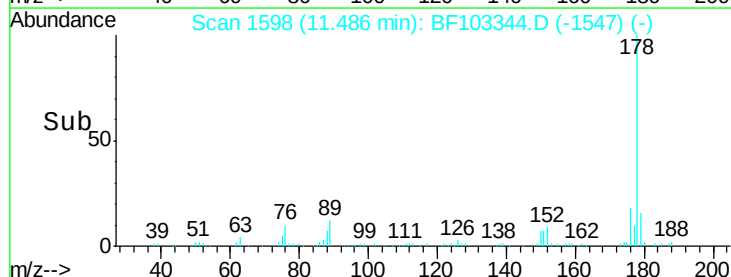
179 16.5 12.6 19.0

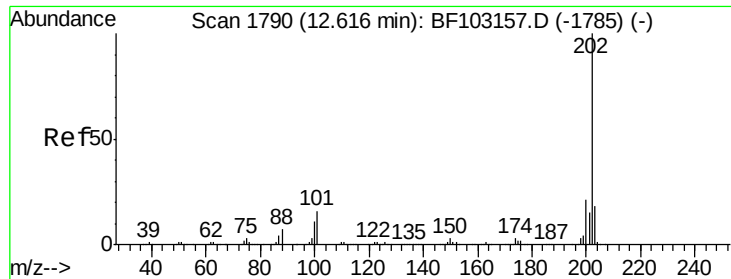


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.357 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

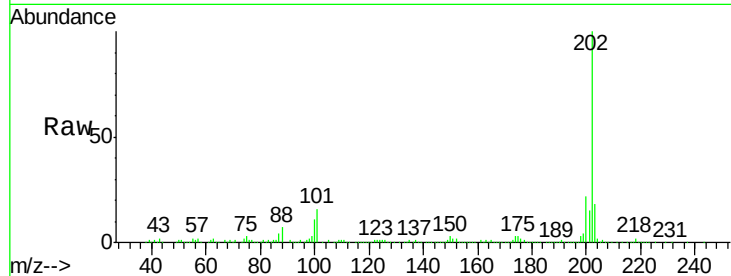
Tot Ion:202 Resp: 301959

Ion Ratio Lower Upper

202 100

101 15.7 0.0 34.1

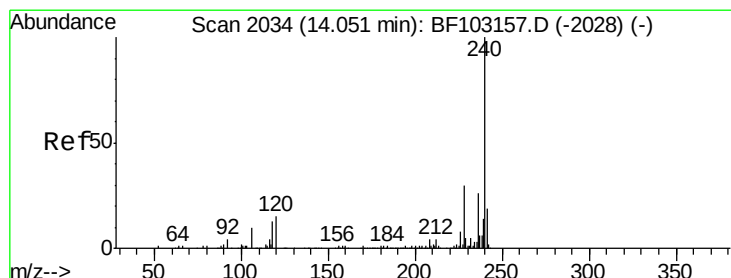
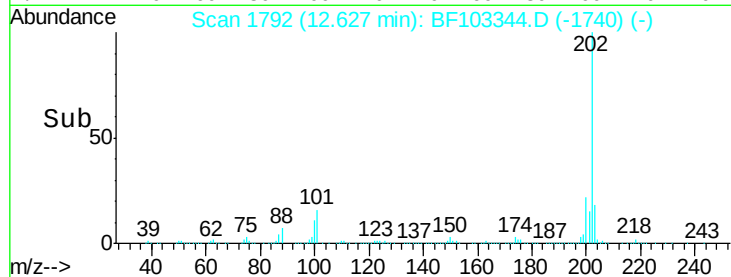
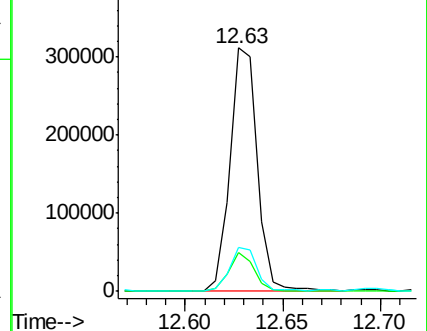
203 17.8 0.0 38.1



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: BF103344.D

Acq: 1 Mar 2018 18:37

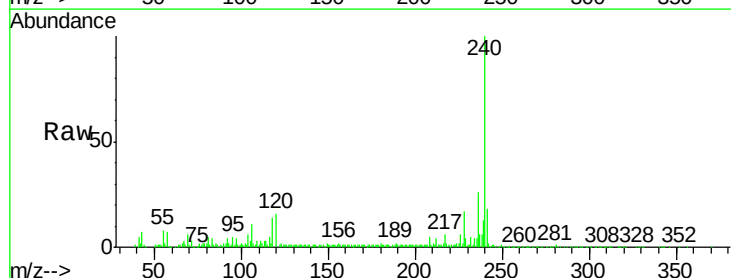
Tgt Ion:240 Resp: 188108

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

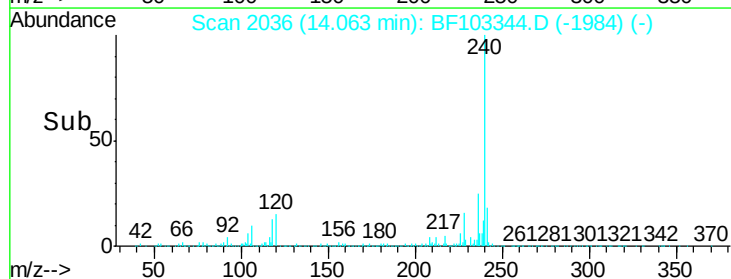
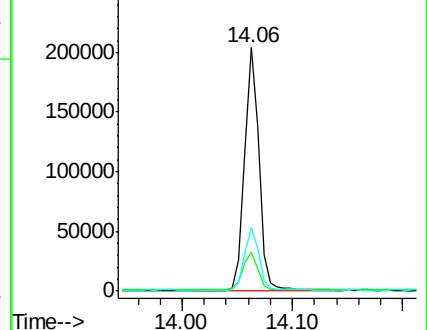
236 25.8 20.7 31.1

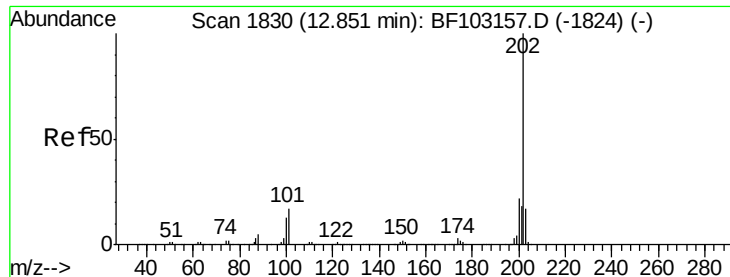


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.535 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103344.D

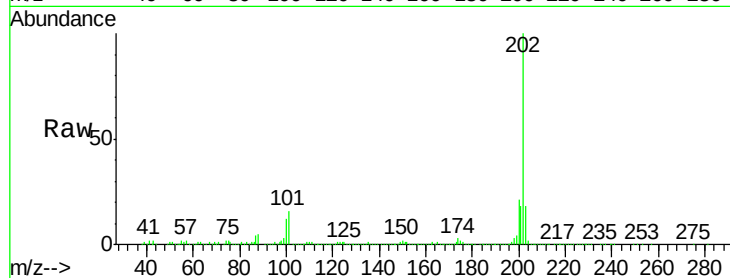
Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

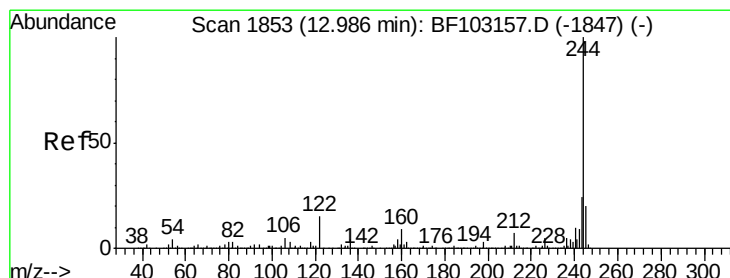
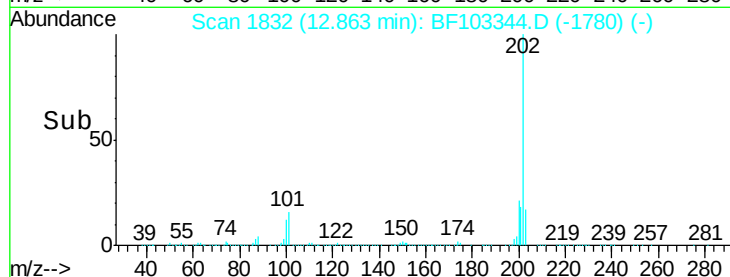
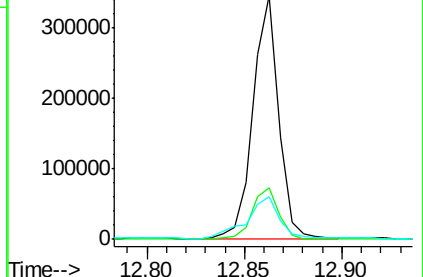
Tot Ion:	202	Resp:	315831
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5



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: 77.515 ng

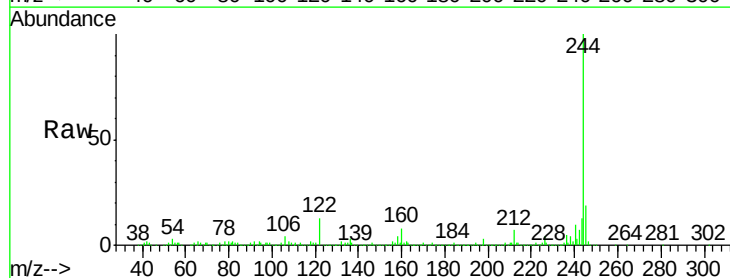
RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

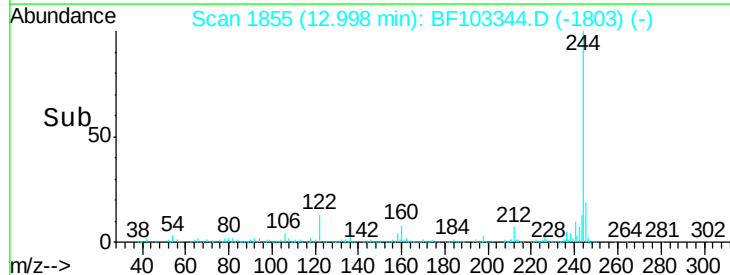
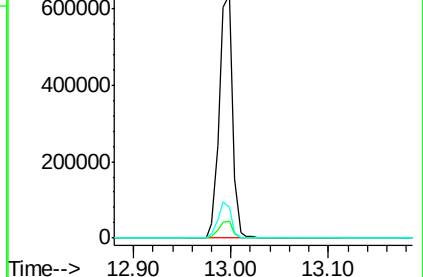
Tgt Ion:	244	Resp:	606575
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.9	11.0	16.4

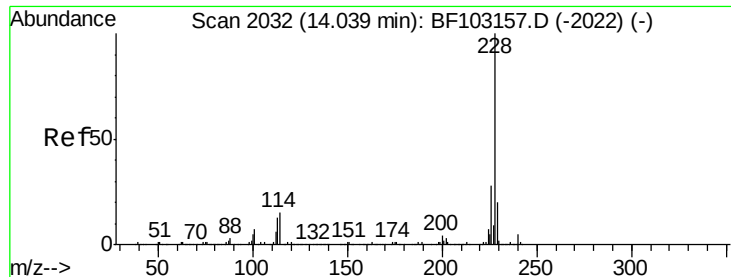


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

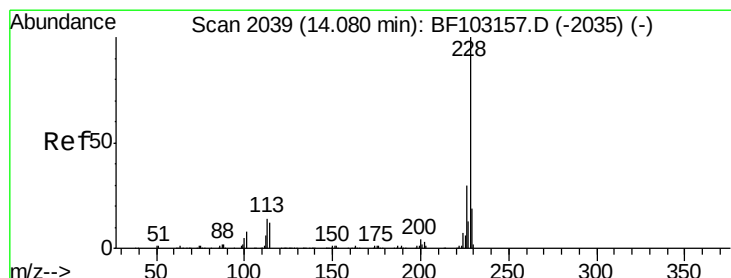
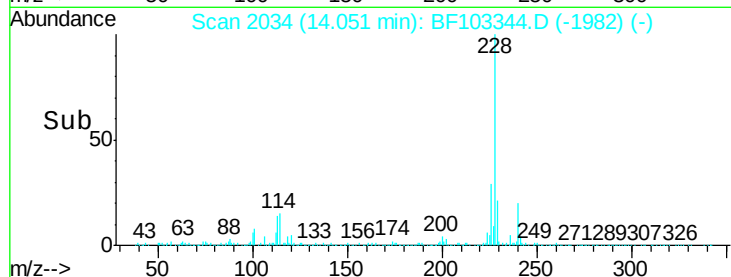
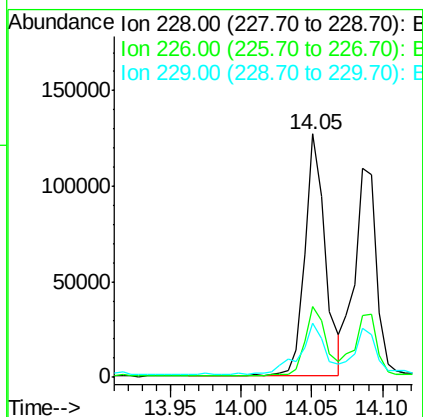
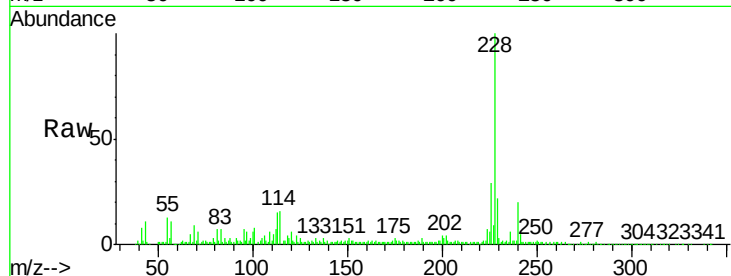




#80
Benzo(a)anthracene
Concen: 10.488 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

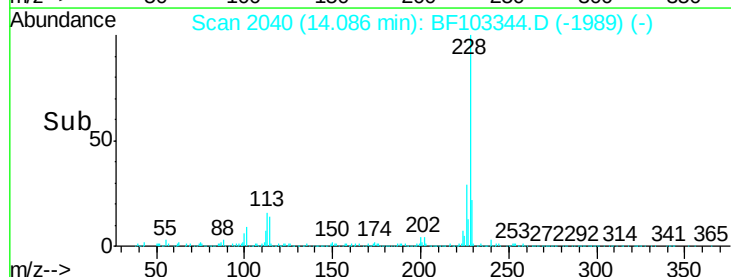
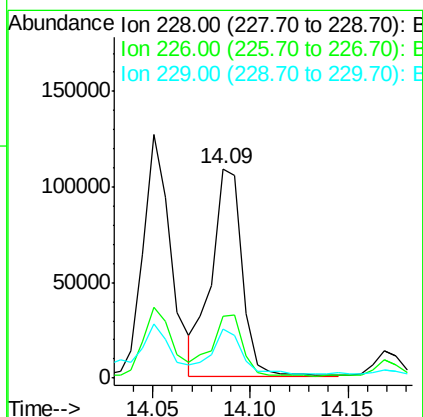
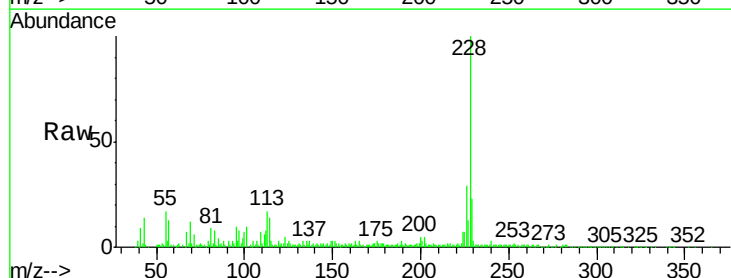
Instrument :
BNA_F
ClientSampleId :

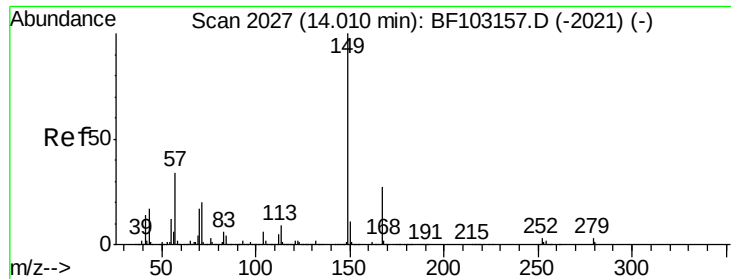
Tot Ion:228 Resp: 128011
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 10.126 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Tgt Ion:228 Resp: 119999
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 23.4 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.170 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

Instrument :

BNA_F

ClientSampleId :

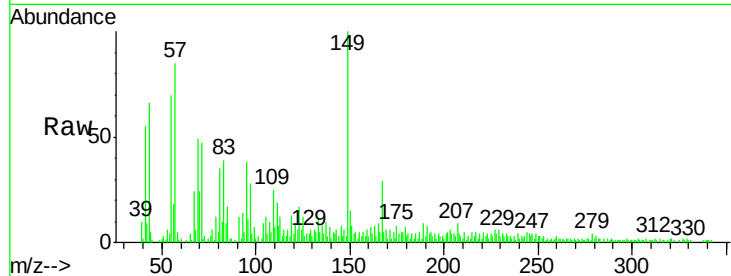
Tot Ion:149 Resp: 22695

Ion Ratio Lower Upper

149 100

167 28.6 21.3 31.9

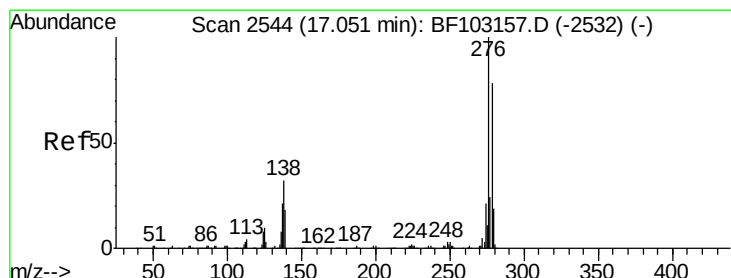
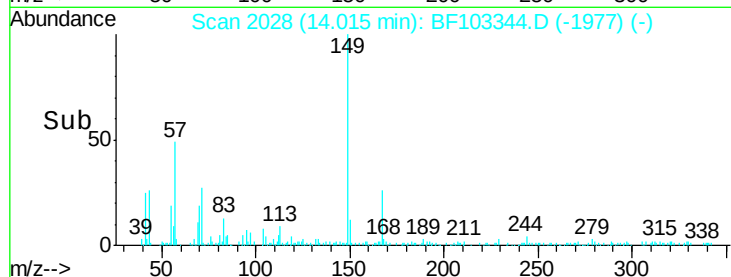
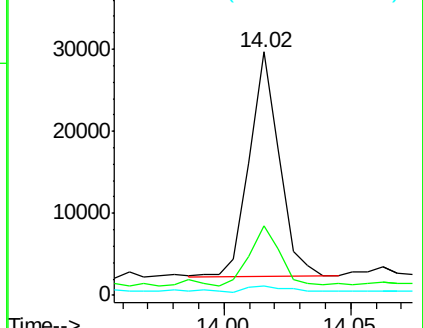
279 3.7 3.0 4.4



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: 5.142 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BF103344.D

Acq: 1 Mar 2018 18:37

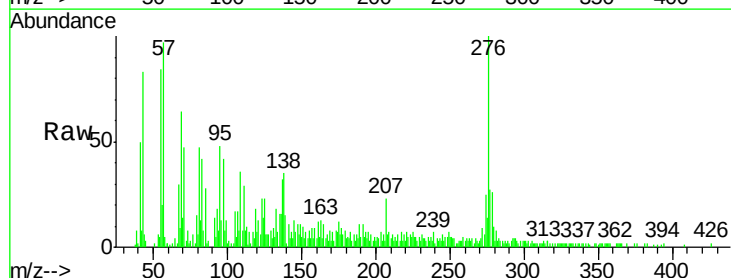
Tgt Ion:276 Resp: 48241

Ion Ratio Lower Upper

276 100

138 27.3 25.0 37.6

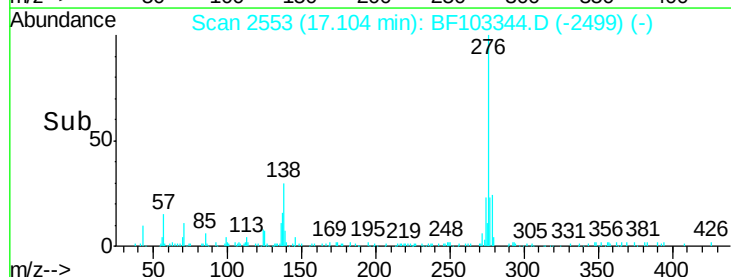
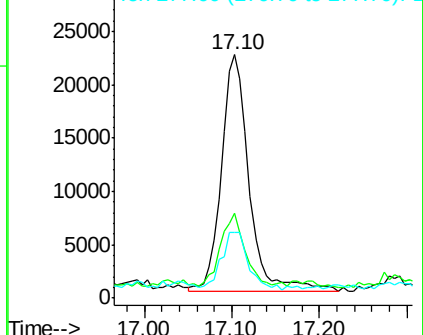
277 23.9 20.1 30.1

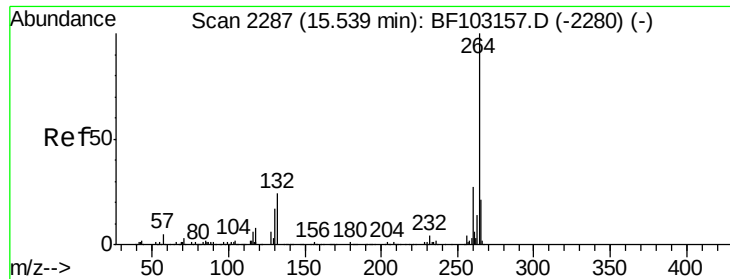


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

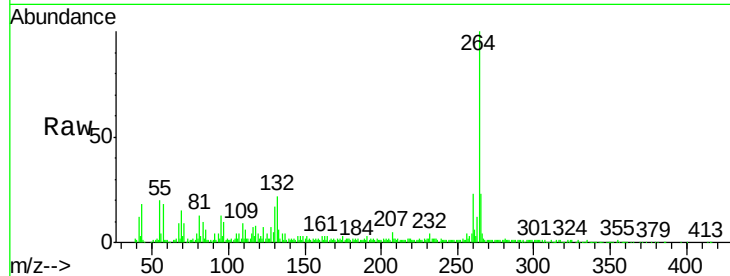




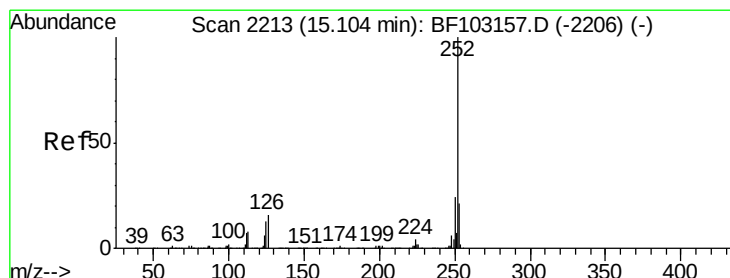
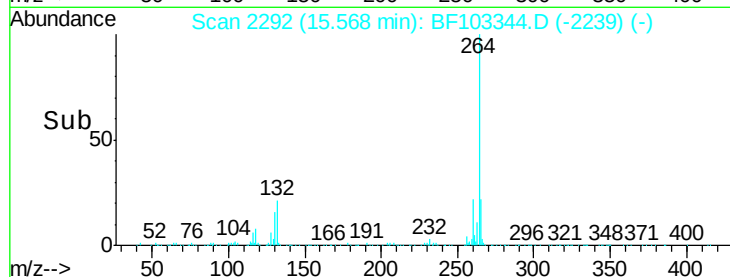
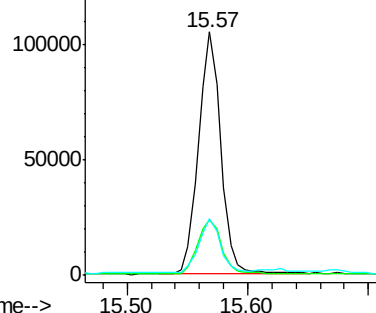
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 135952
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 23.1 17.5 26.3

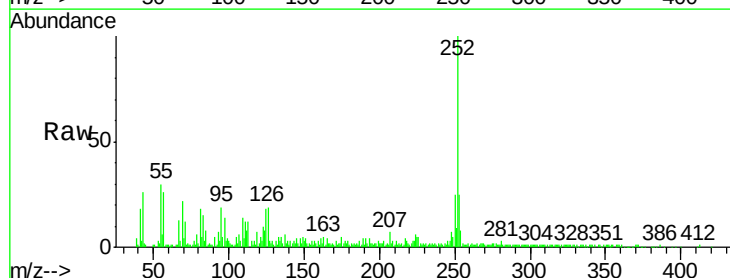


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

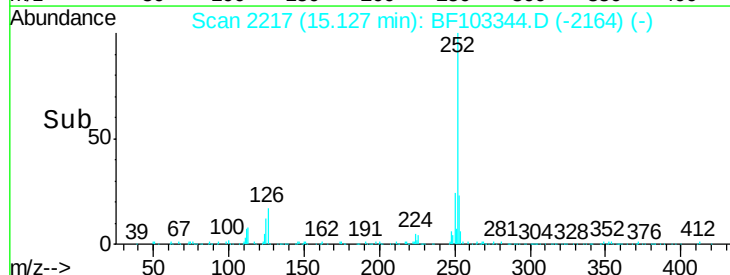
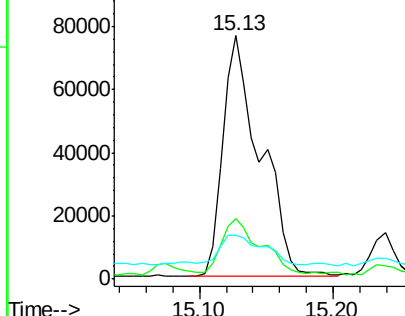


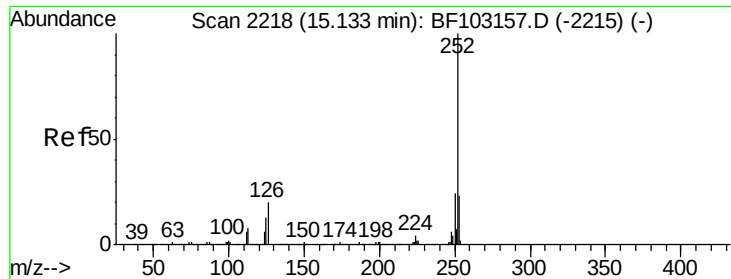
#87
Benzo(b)fluoranthene
Concen: 16.729 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Tgt Ion:252 Resp: 149538
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 18.2 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

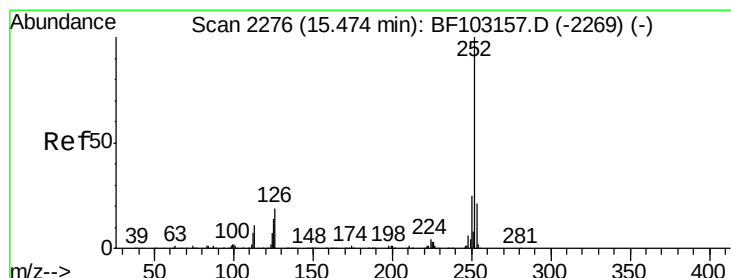
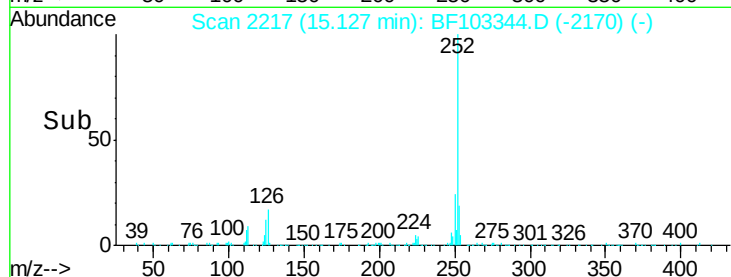
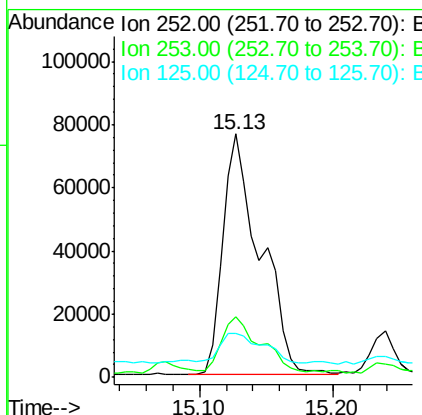
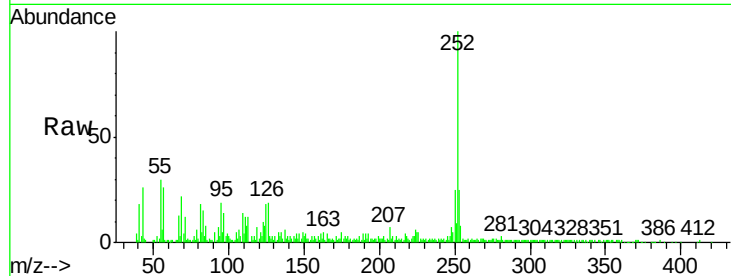




#88
Benzo(k)fluoranthene
Concen: 17.766 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

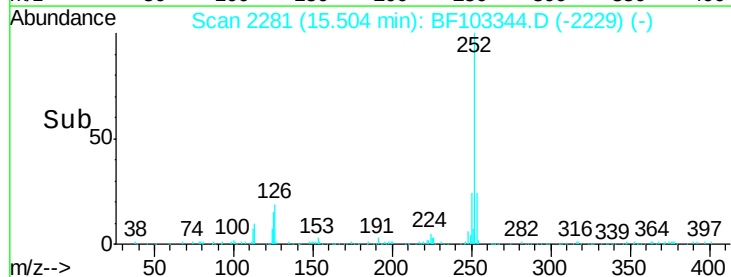
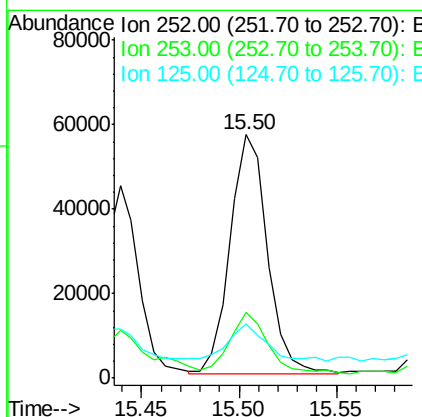
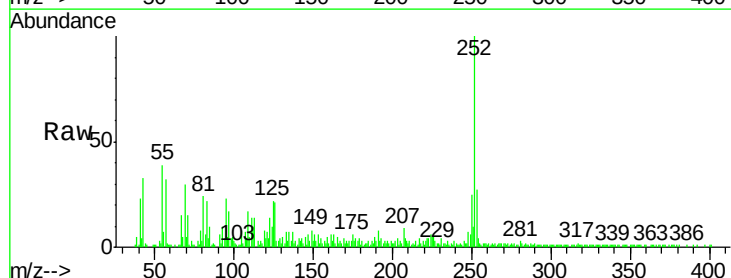
Instrument :
BNA_F
ClientSampleId :

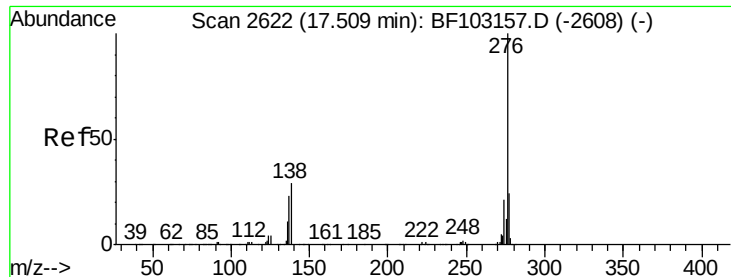
Tot Ion:252 Resp: 149538
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 18.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 9.451 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF103344.D
Acq: 1 Mar 2018 18:37

Tgt Ion:252 Resp: 75438
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 22.3 9.8 14.6#

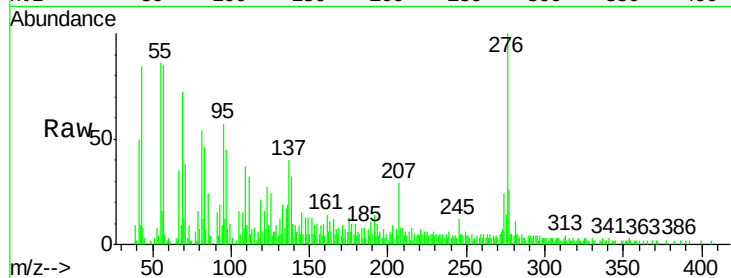




#91
 Benzo(a,h,i)perylene
 Concen: 7.401 ng
 RT: 17.57 min Scan# 2633
 Delta R.T. 0.04 min
 Lab File: BF103344.D
 Acq: 1 Mar 2018 18:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.7	17.9	26.9	
138	31.8	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

