

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103342.D
 Acq On : 1 Mar 2018 17:43
 Operator : SJ/JU
 Sample : J1721-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:27:09 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	145224	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	554811	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	201109	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	312636	20.00	ng	0.00
75) Chrysene-d12	14.06	240	192586	20.00	ng	0.00
86) Perylene-d12	15.57	264	135517	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	918872	95.70	ng	0.01
7) Phenol-d6	6.52	99	1097441	93.40	ng	0.00
23) Nitrobenzene-d5	7.45	82	681574	70.16	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	138290	81.24	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	899261	74.85	ng	0.00
78) Terphenyl-d14	13.00	244	616425	76.94	ng	0.00

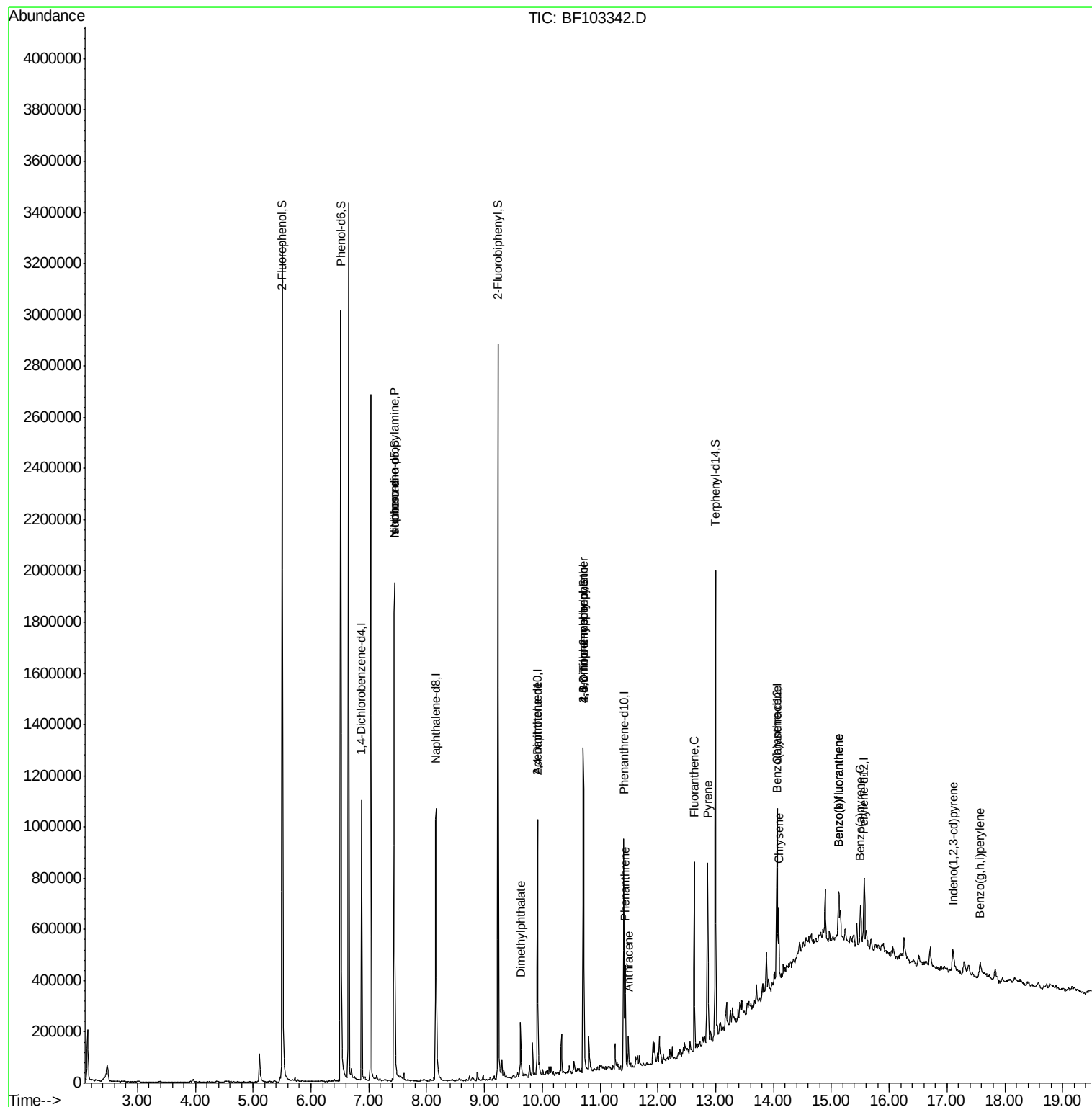
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	763	Below Cal	#	86
19) n-Nitroso-di-n-propylamine	7.45	70	95553	13.067 ng	#	85
25) Isophorone	7.45	82	681569	35.621 ng	#	64
49) Dimethylphthalate	9.63	163	84411	5.232 ng		99
56) 2,4-Dinitrotoluene	9.92	165	27197	6.352 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	367	5.118 ng	#	1
66) 4-Bromophenyl-phenylether	10.72	248	9591	2.945 ng	#	1
70) Phenanthrene	11.43	178	135228	7.860 ng		99
71) Anthracene	11.49	178	54164	3.070 ng		97
74) Fluoranthene	12.63	202	290392	16.796 ng		99
77) Pyrene	12.86	202	273267	18.199 ng		99
80) Benzo(a)anthracene	14.05	228	117434	9.398 ng		97
82) Chrysene	14.09	228	112358	9.261 ng		97
85) Indeno(1,2,3-cd)pyrene	17.10	276	44185	4.600 ng		99
87) Benzo(b)fluoranthene	15.13	252	147261	16.527 ng	#	85
88) Benzo(k)fluoranthene	15.13	252	147261	17.551 ng	#	88
89) Benzo(a)pyrene	15.51	252	75410	9.477 ng	#	93
91) Benzo(g,h,i)perylene	17.58	276	45621	7.592 ng		96

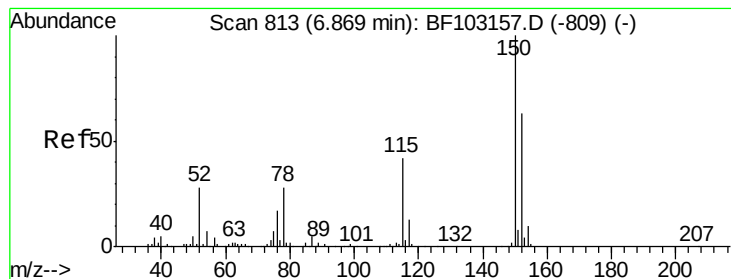
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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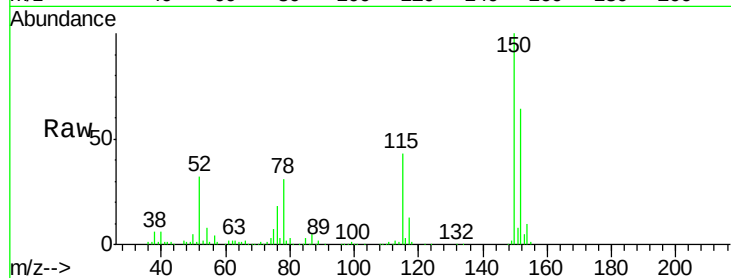


#1

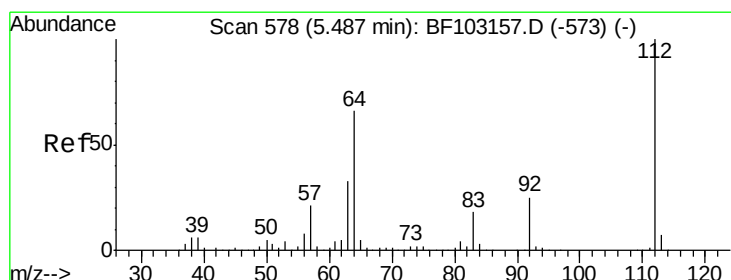
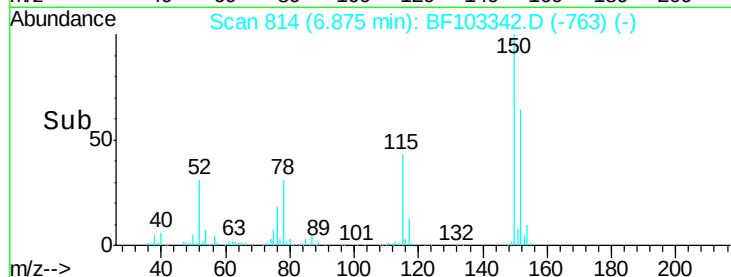
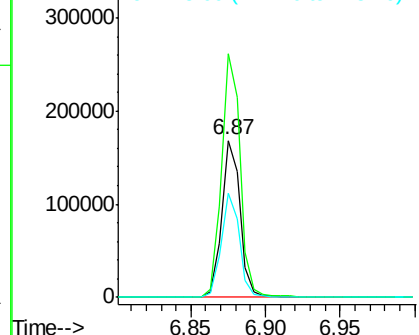
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145224
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 66.0 50.1 75.1



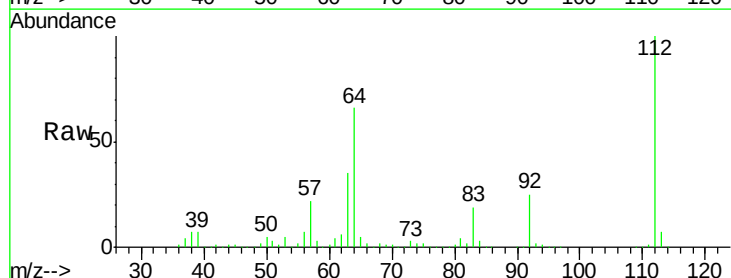
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



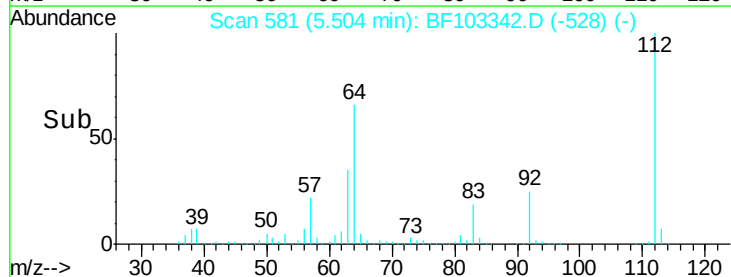
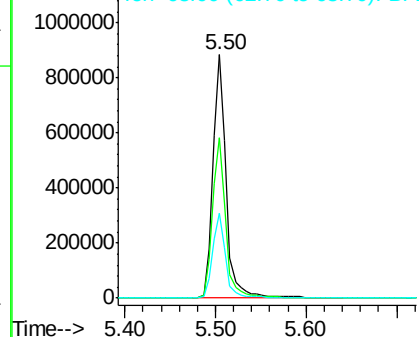
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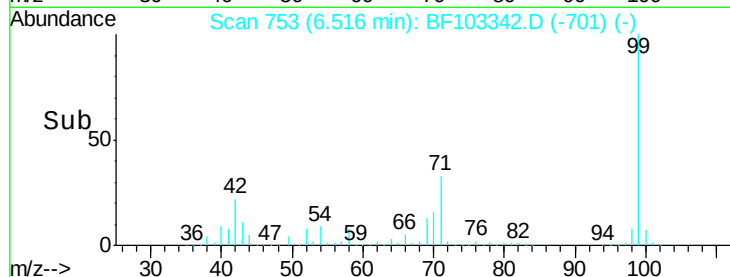
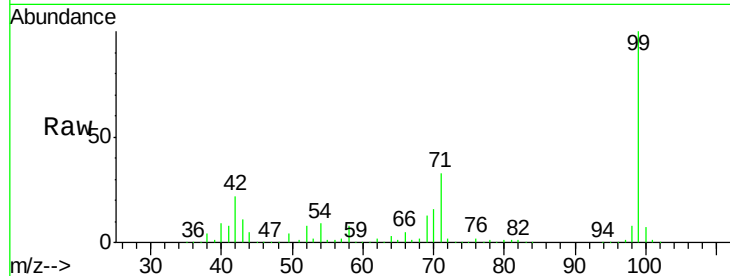
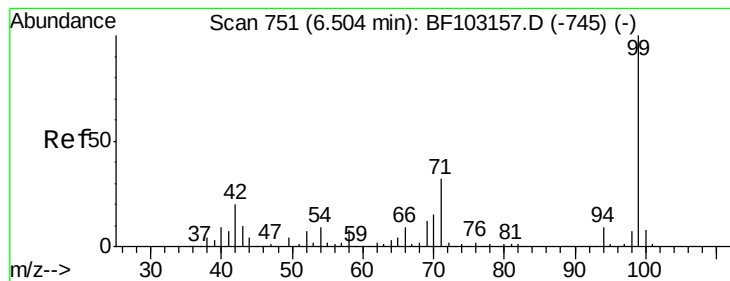
2-Fluorophenol
Concen: 95.695 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion:112 Resp: 918872
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 35.0 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: 93.403 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

Instrument :

BNA_F

ClientSampled :

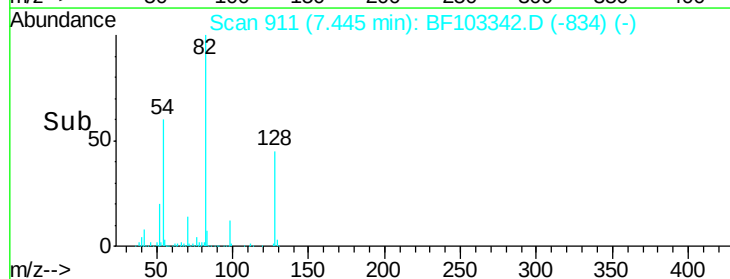
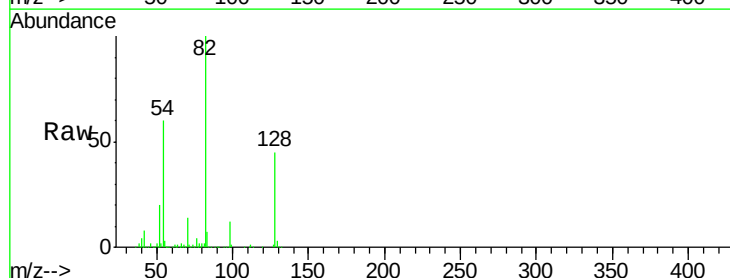
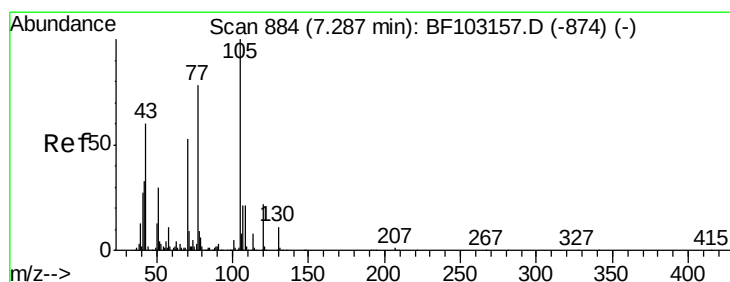
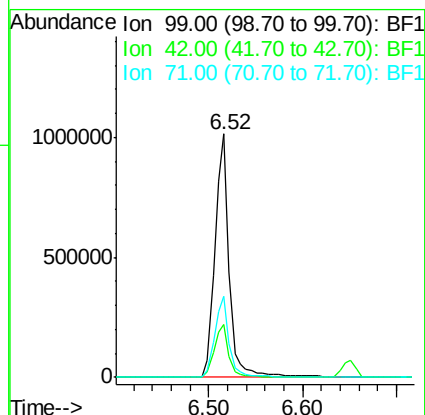
Tot Ion: 99 Resp: 1097441

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7#

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.067 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

Tgt Ion: 70 Resp: 95553

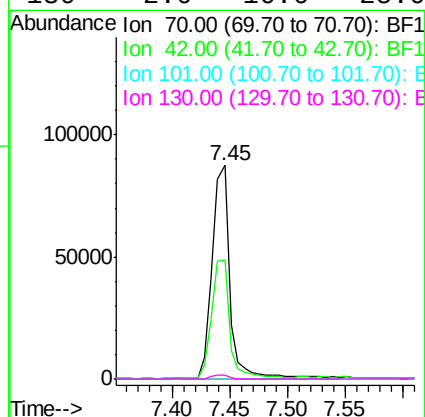
Ion Ratio Lower Upper

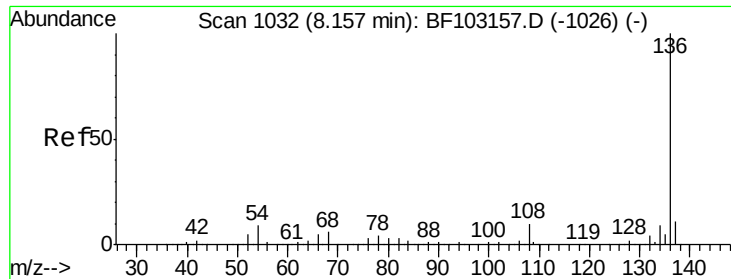
70 100

42 55.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

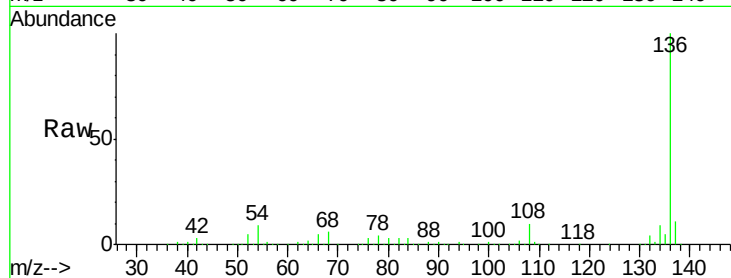




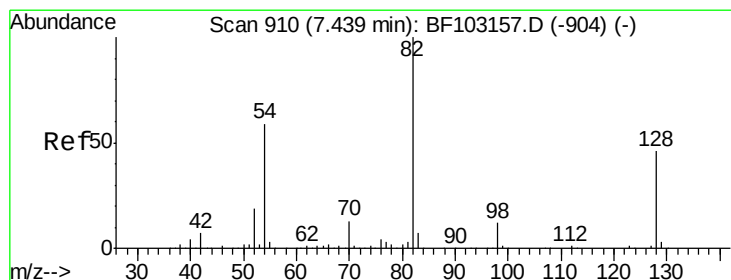
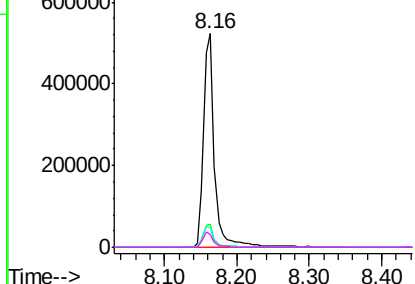
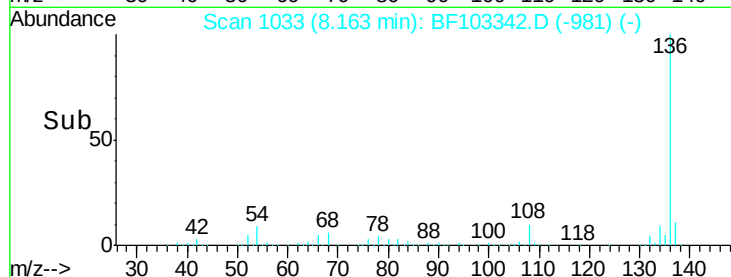
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	554811
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	8.9	6.6 9.8
68	6.2	5.0 7.4

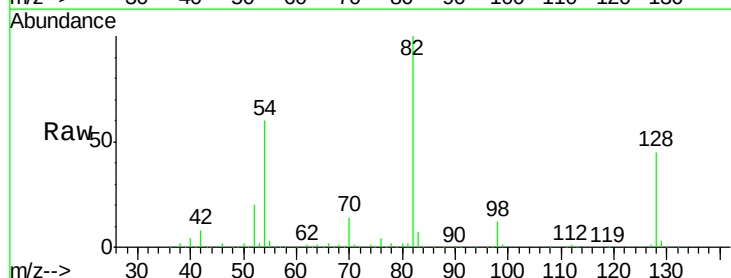


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

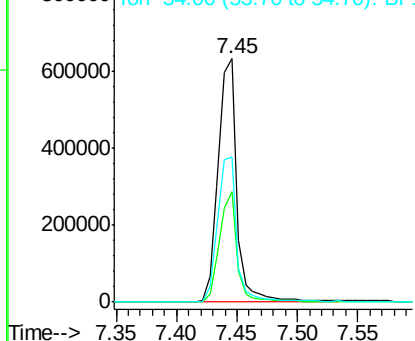
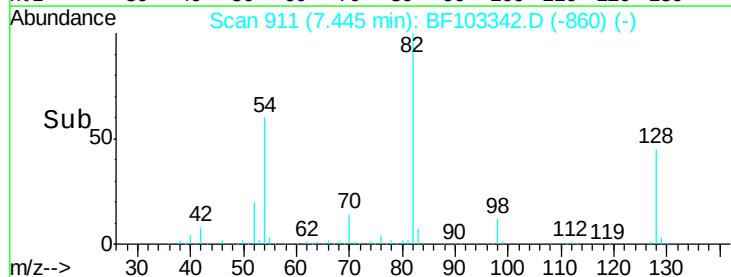


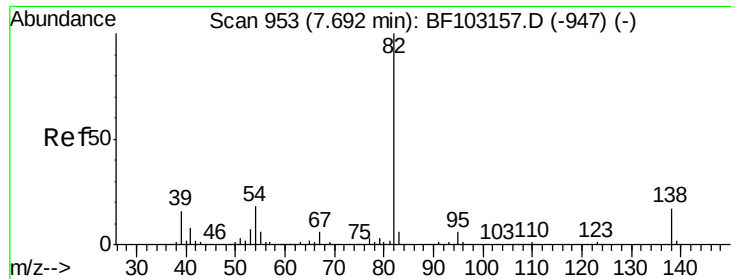
#23
Nitrobenzene-d5
Concen: 70.157 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion: 82	Resp:	681574
Ion Ratio	Lower	Upper
82	100	
128	45.1	36.1 54.1
54	59.8	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

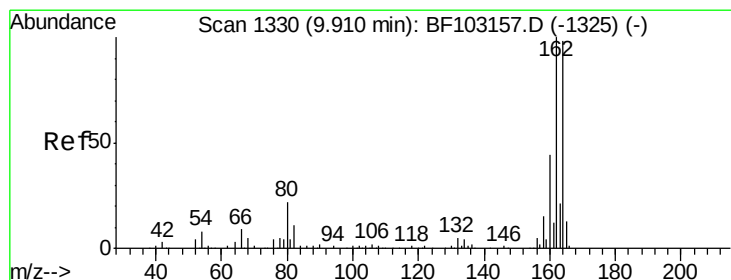
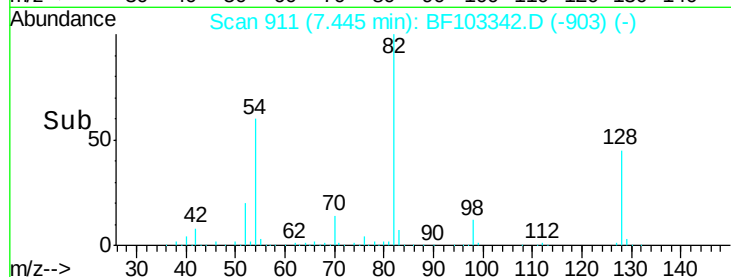
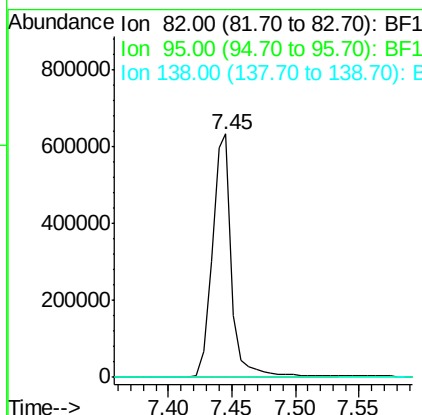
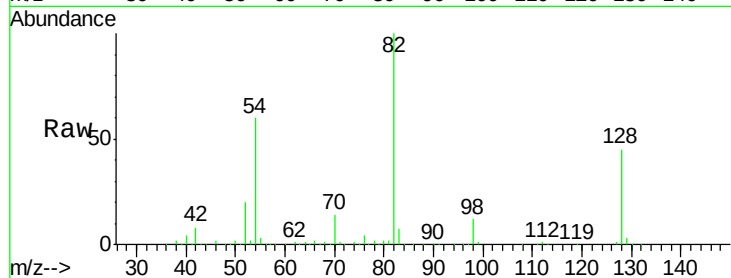




#25
Isophorone
Concen: 35.621 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

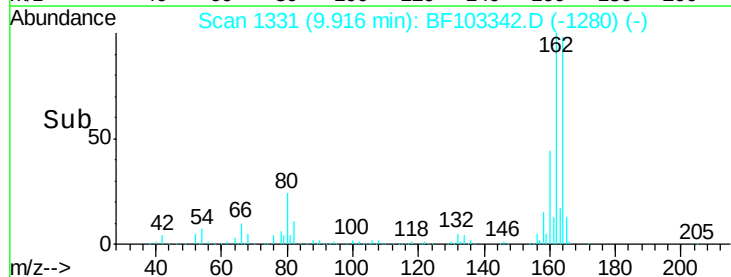
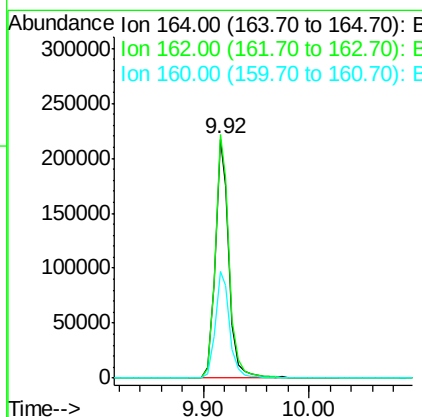
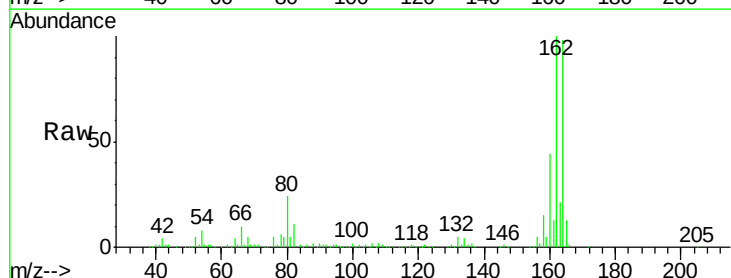
Instrument :
BNA_F
ClientSampleId :

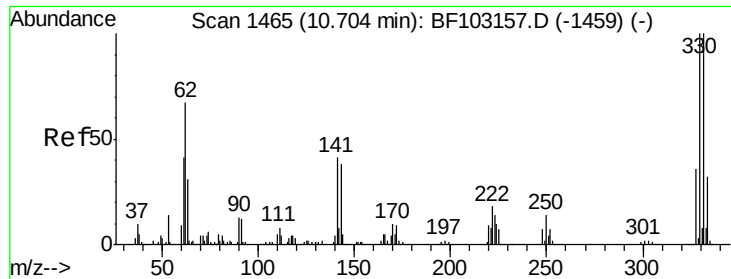
Tot Ion: 82 Resp: 681569
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion:164 Resp: 201109
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 44.8 38.3 57.5

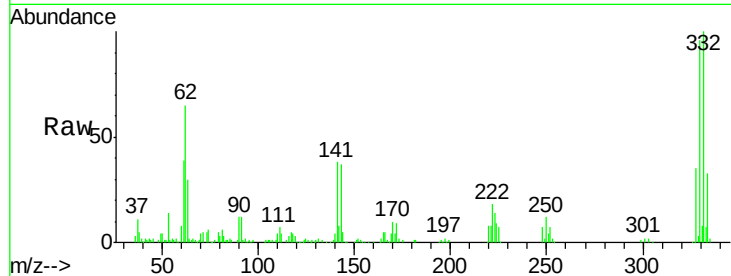




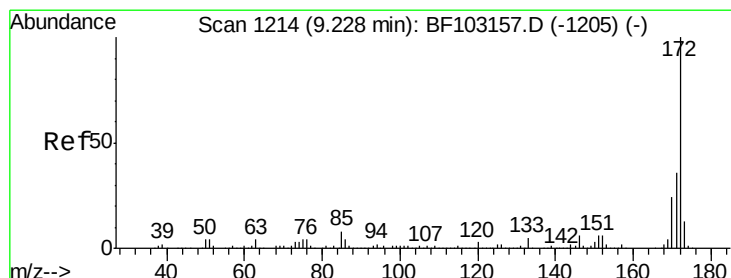
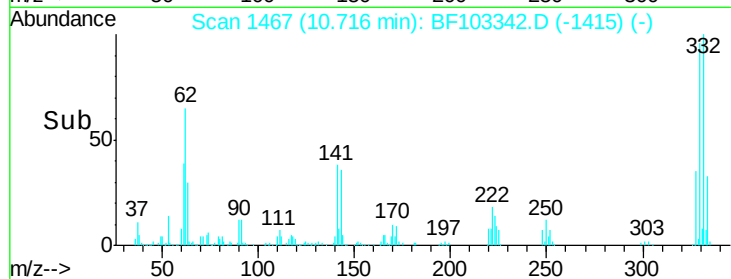
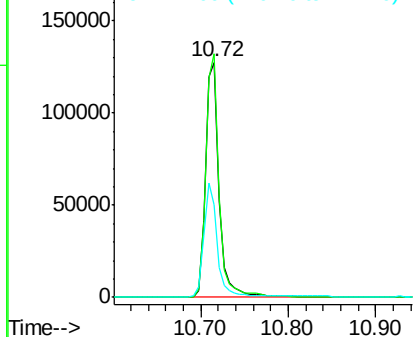
#41
 2,4,6-Tribromophenol
 Concen: 81.238 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 138290
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.0 115.6
 141 47.7 29.9 44.9#

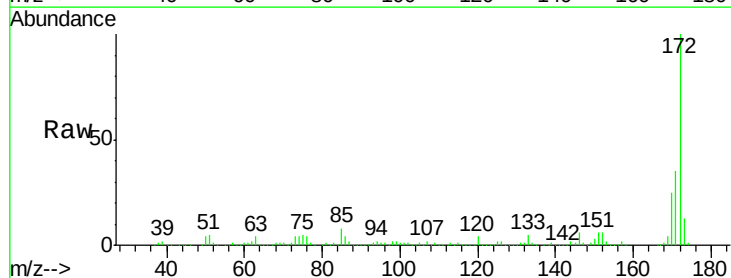


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

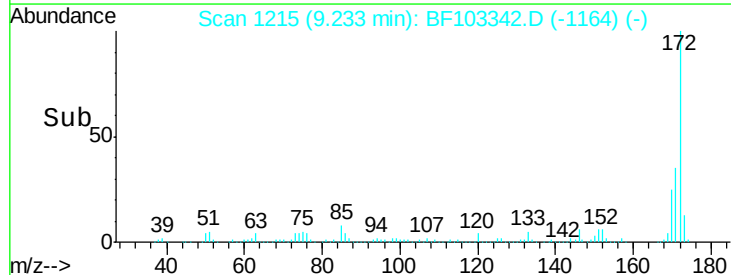
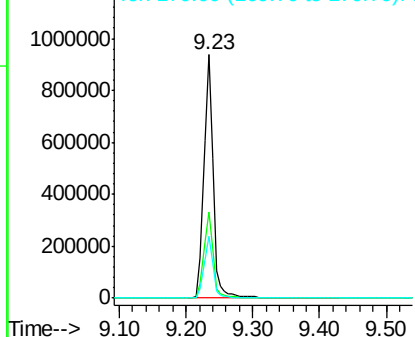


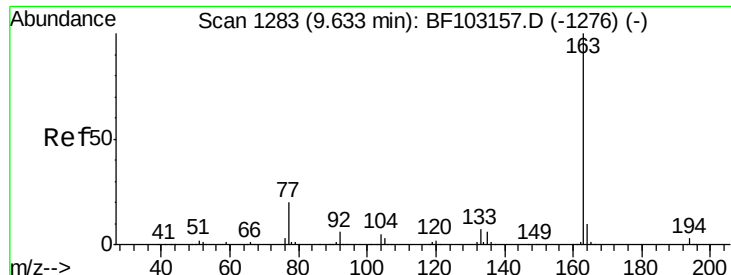
#44
 2-Fluorobiphenyl
 Concen: 74.853 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Tgt Ion:172 Resp: 899261
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 25.3 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: 5.232 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

Instrument :

BNA_F

ClientSampleId :

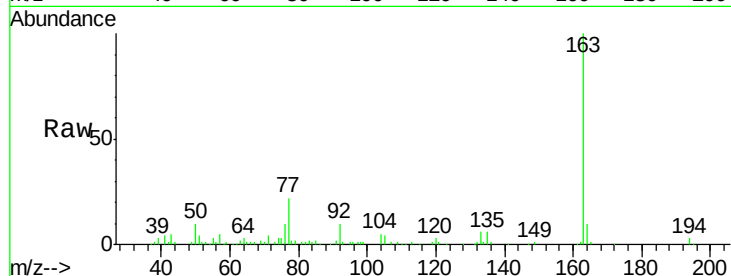
Tot Ion:163 Resp: 84411

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

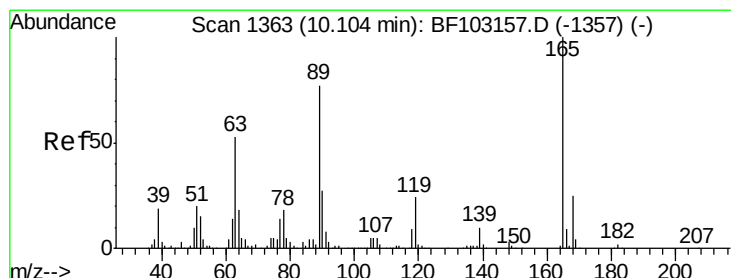
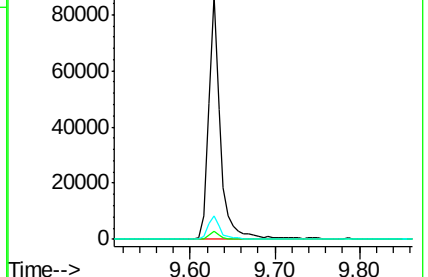
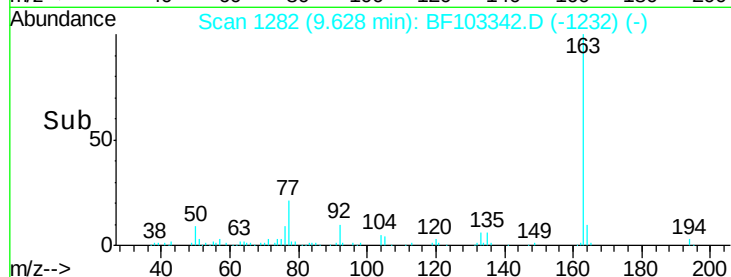
164 9.6 8.2 12.2



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: 6.352 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

Tgt Ion:165 Resp: 27197

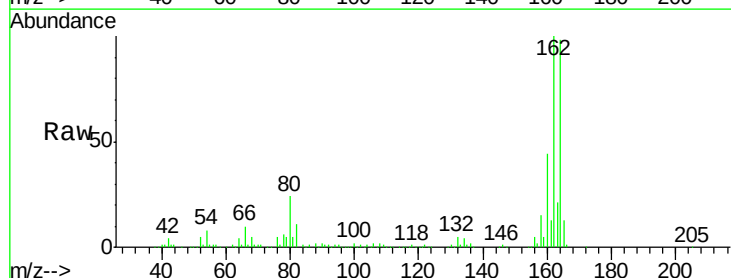
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

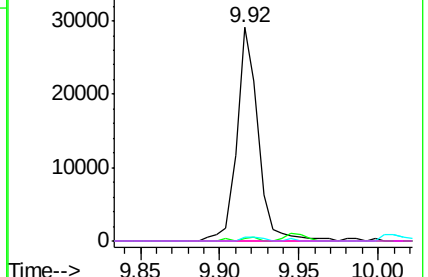
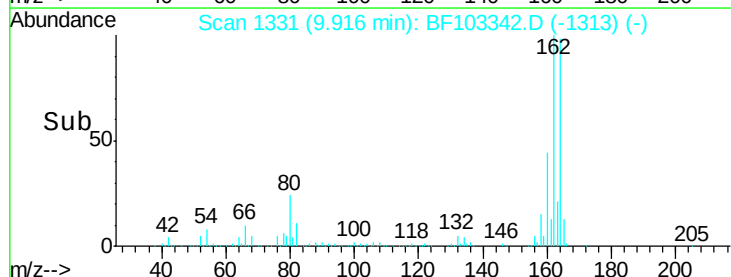


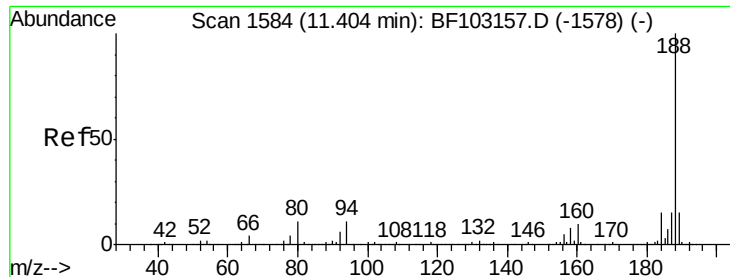
Abundance Ion 165.00 (164.70 to 165.70): E

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

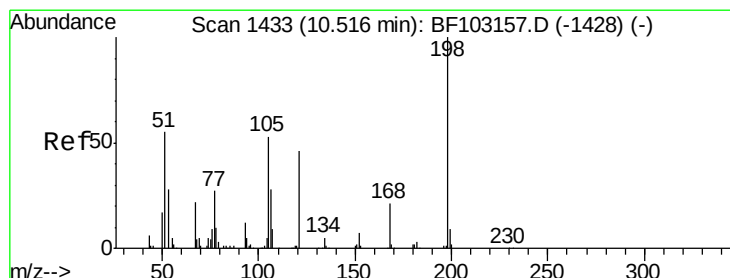
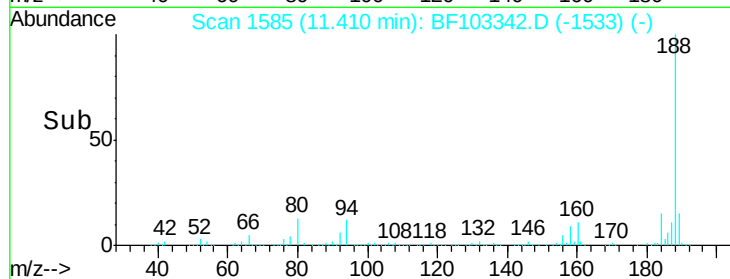
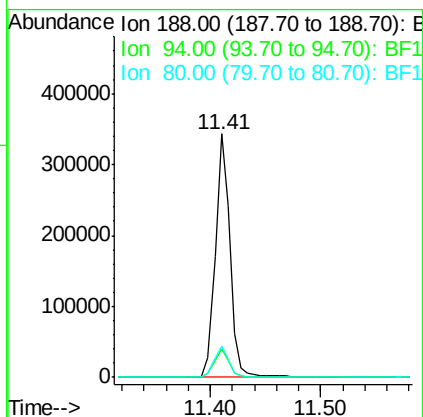
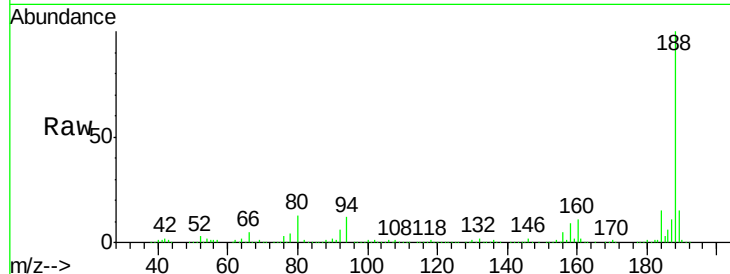




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

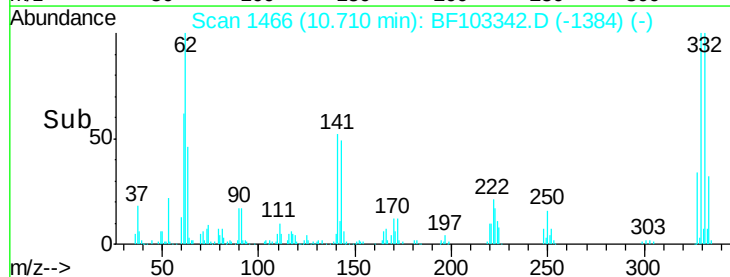
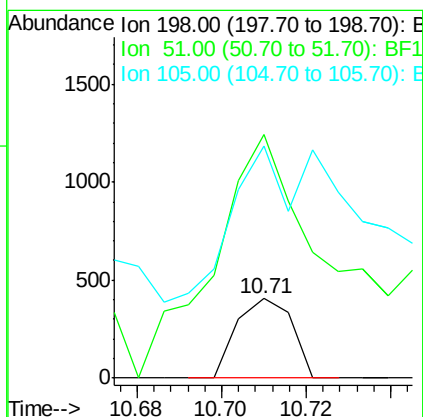
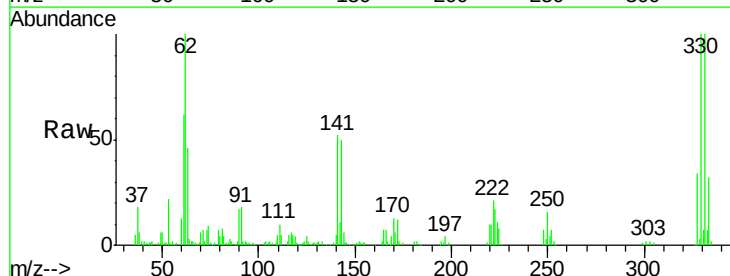
Instrument :
BNA_F
ClientSampleId :

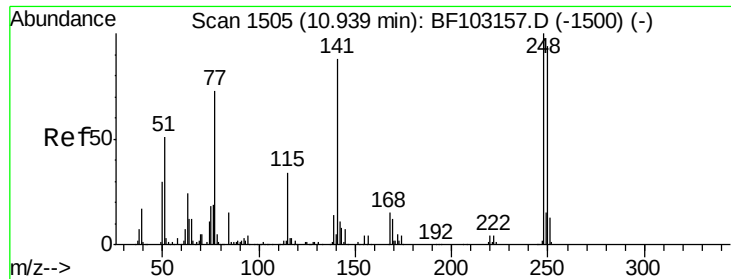
Tot Ion:188 Resp: 312636
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.118 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion:198 Resp: 367
Ion Ratio Lower Upper
198 100
51 306.7 37.7 77.7#
105 292.6 36.3 76.3#

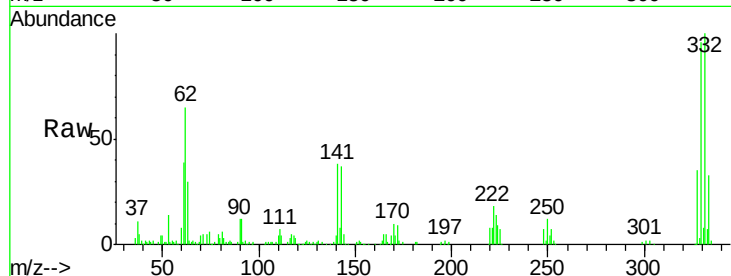




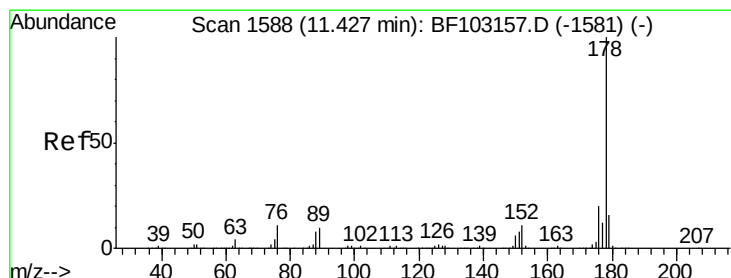
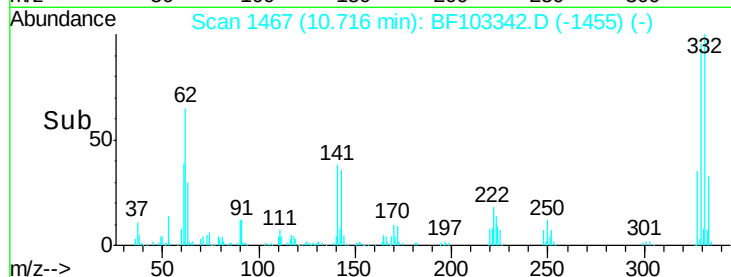
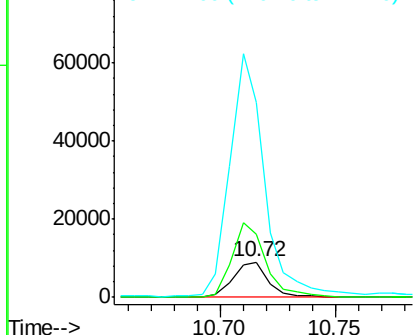
#66
 4-Bromophenyl-phenylether
 Concen: 2.945 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.23 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9591
 Ion Ratio Lower Upper
 248 100
 250 176.8 76.9 115.3#
 141 551.4 74.4 111.6#

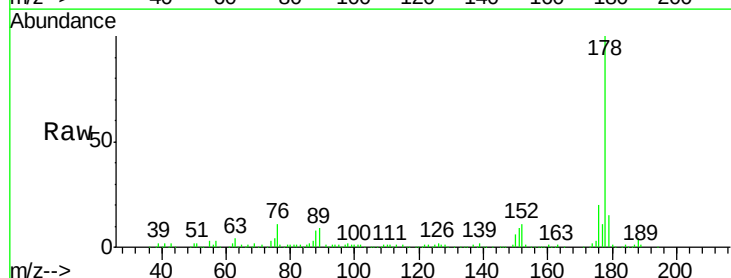


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

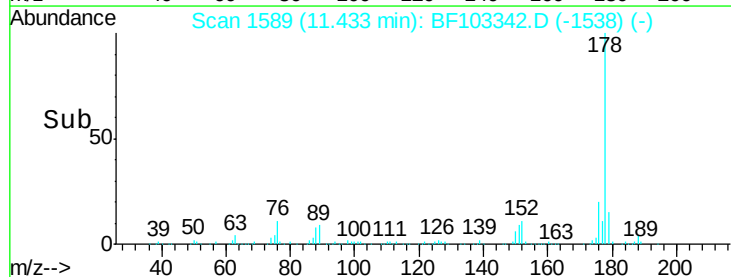
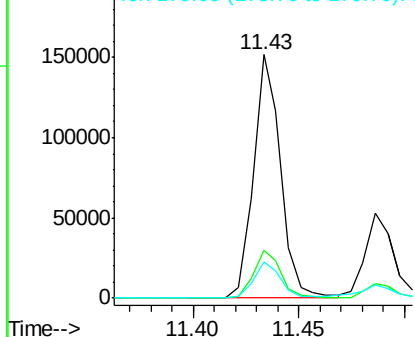


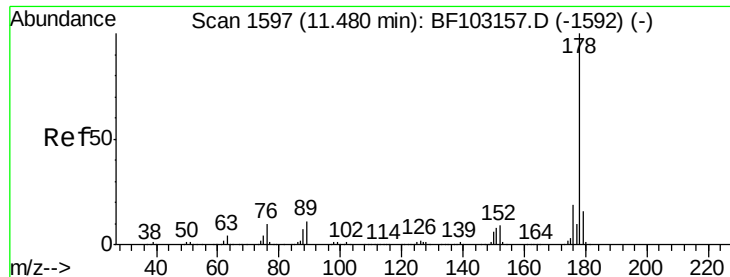
#70
 Phenanthrene
 Concen: 7.860 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Tgt Ion:178 Resp: 135228
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.1 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

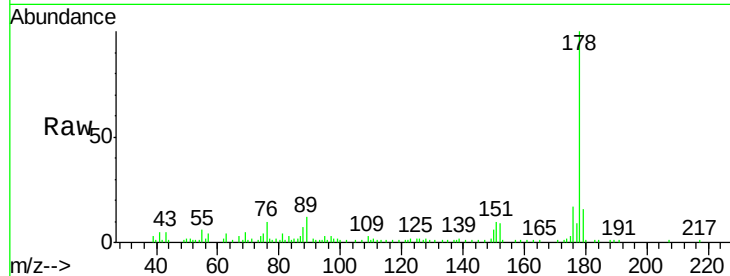




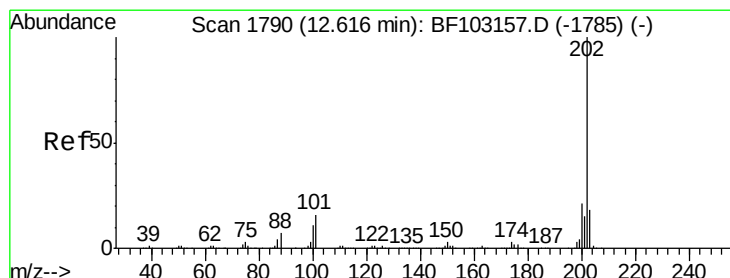
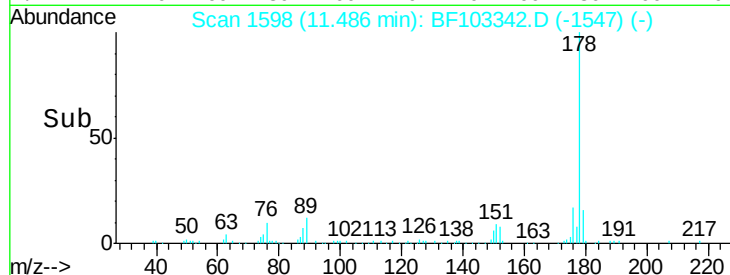
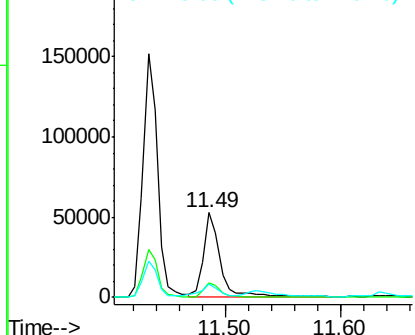
#71
 Anthracene
 Concen: 3.070 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 54164
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.4 23.2
 179 15.6 12.6 19.0

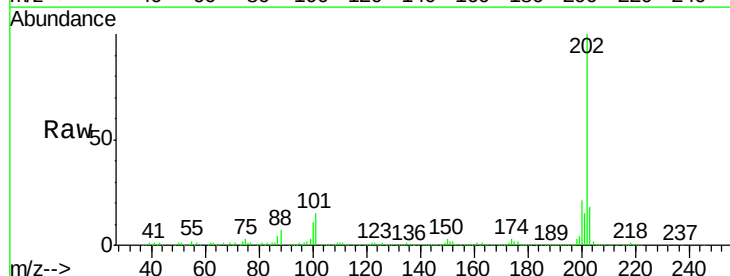


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

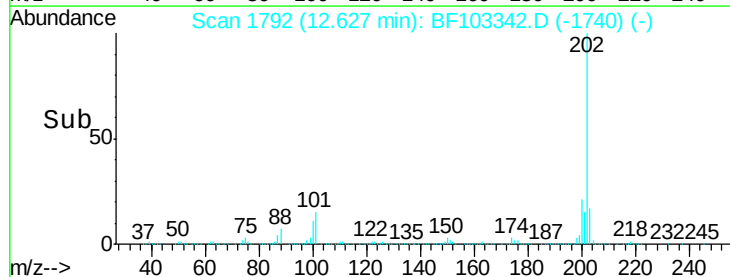
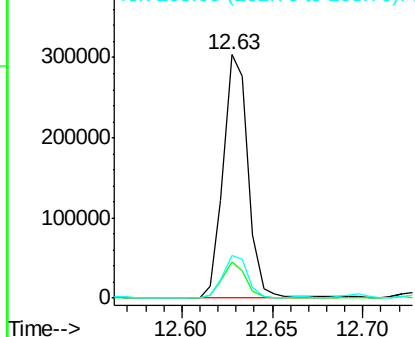


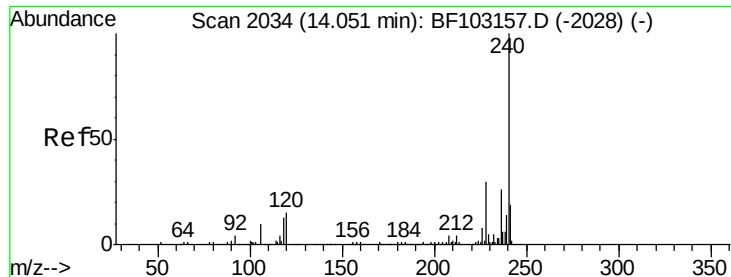
#74
 Fluoranthene
 Concen: 16.796 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Tgt Ion:202 Resp: 290392
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 34.1
 203 17.5 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: BF103342.D

Acq: 1 Mar 2018 17:43

Instrument :

BNA_F

ClientSampleId :

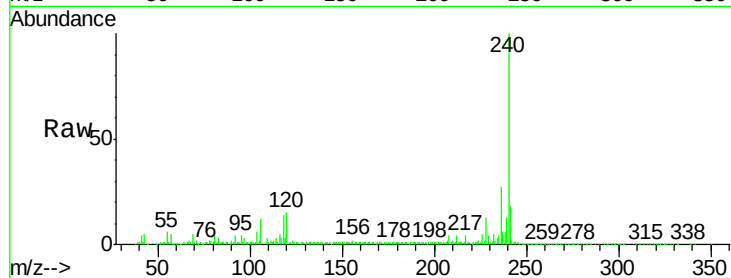
Tot Ion:240 Resp: 192586

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

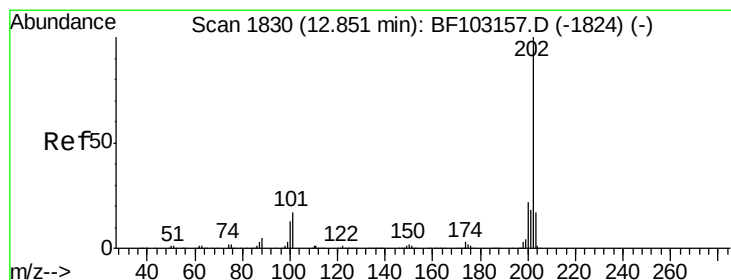
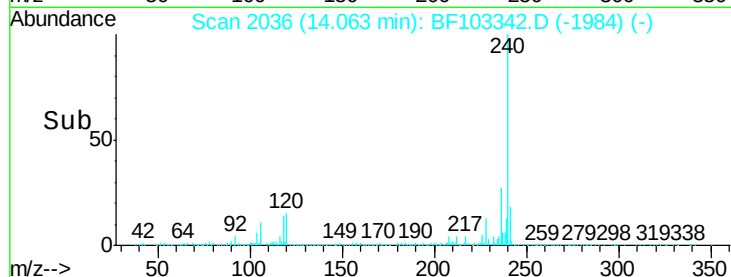
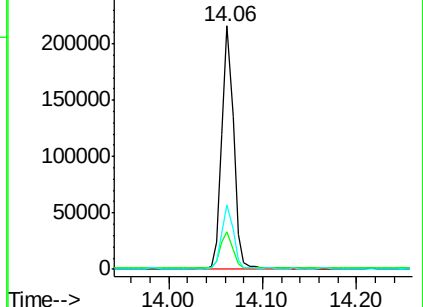
236 26.7 20.7 31.1



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: 18.199 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

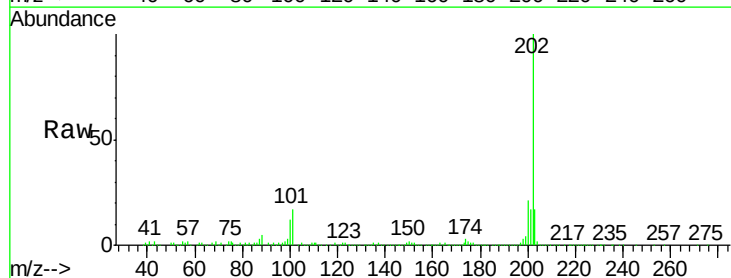
Tgt Ion:202 Resp: 273267

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

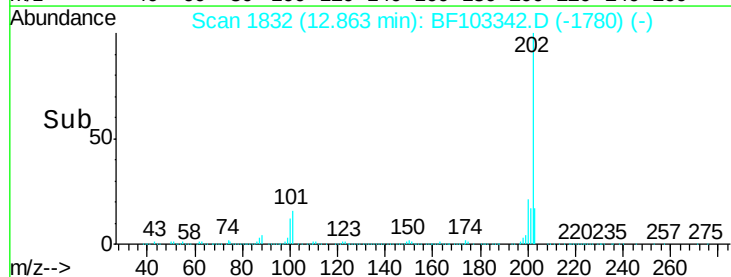
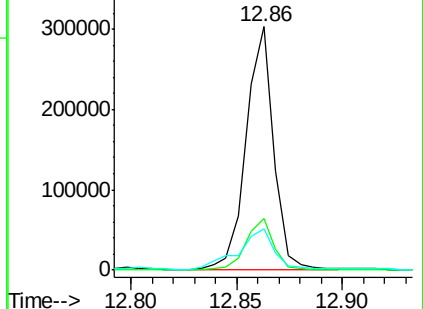
203 17.2 14.3 21.5

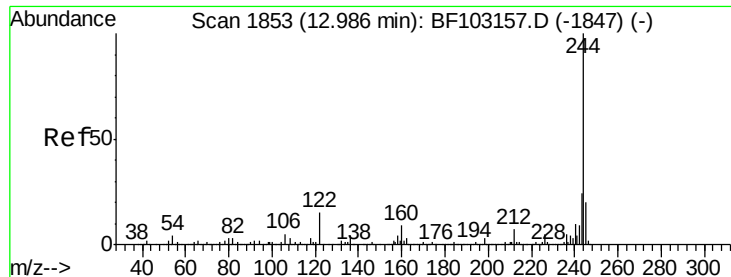


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.942 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

Instrument :

BNA_F

ClientSampleId :

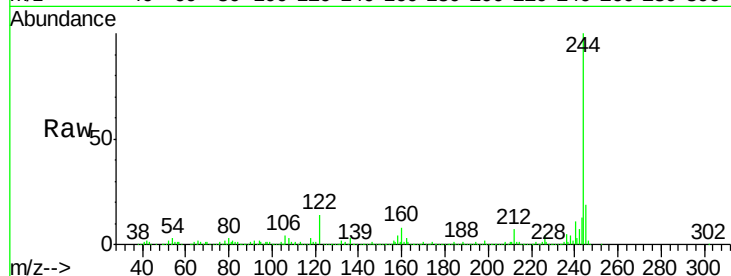
Tot Ion:244 Resp: 616425

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

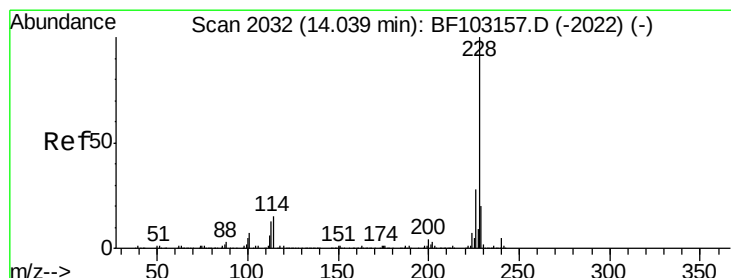
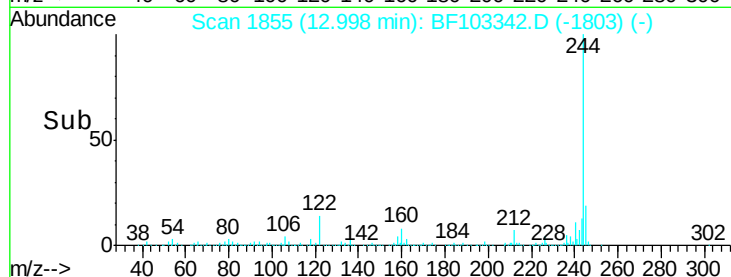
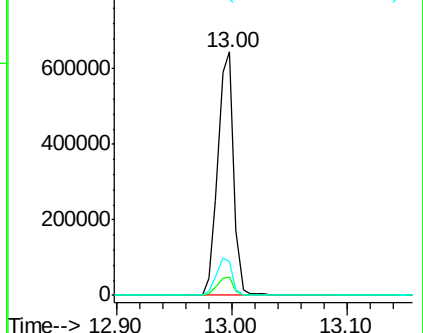
122 13.7 11.0 16.4



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: 9.398 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF103342.D

Acq: 1 Mar 2018 17:43

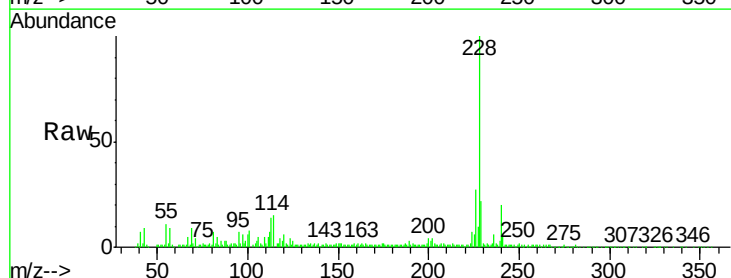
Tgt Ion:228 Resp: 117434

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

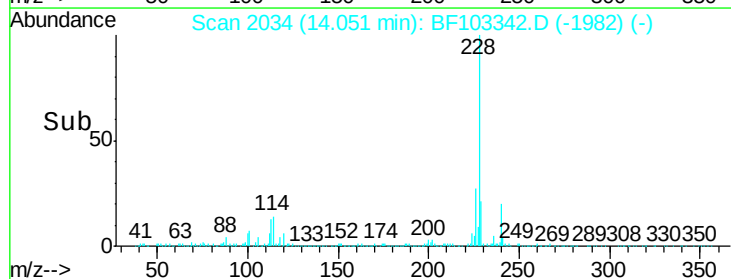
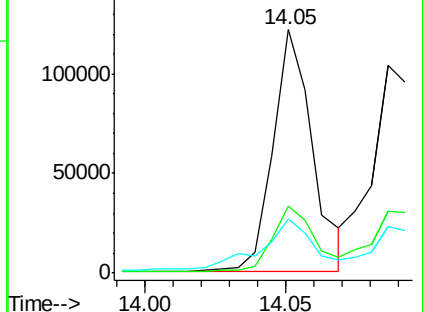
229 22.0 15.8 23.6

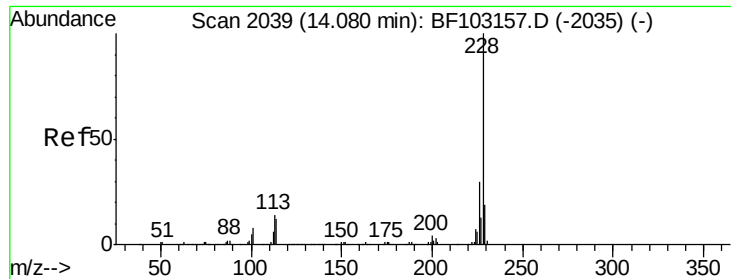


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

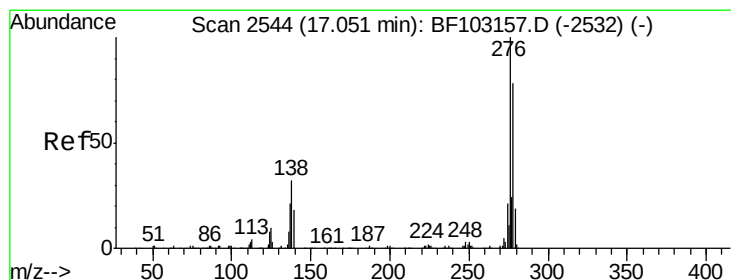
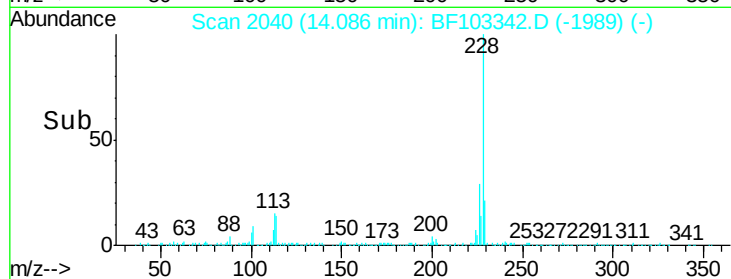
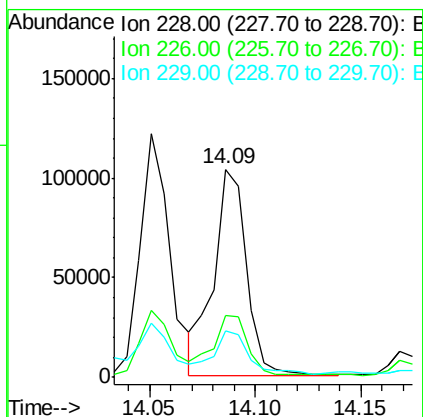
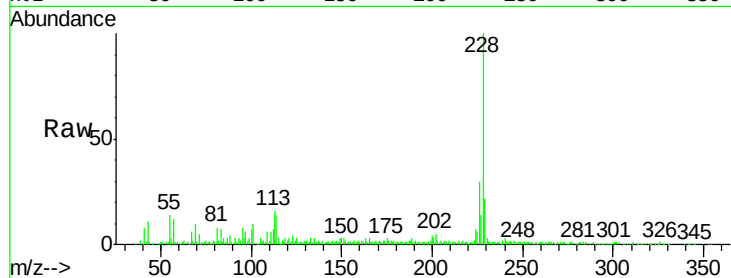




#82
Chrysene
Concen: 9.261 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

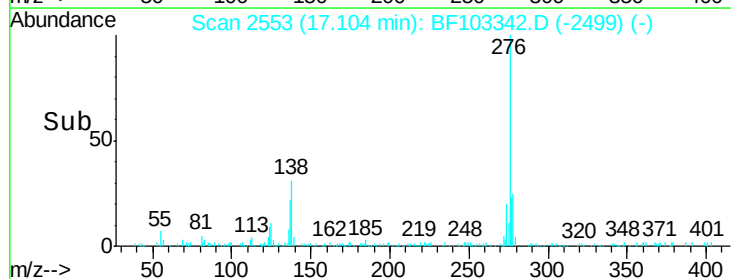
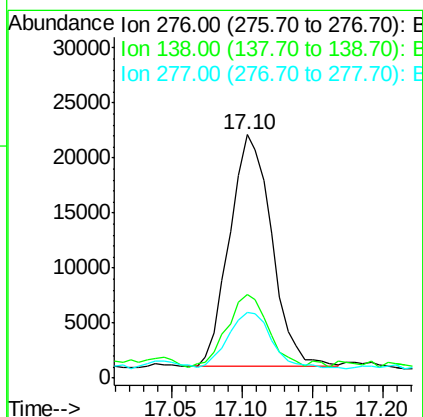
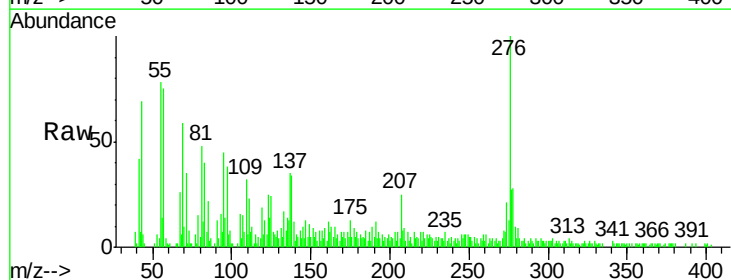
Instrument :
BNA_F
ClientSampleId :

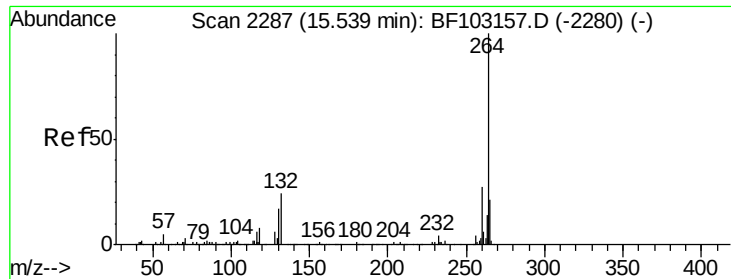
Tot Ion:228 Resp: 112358
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.600 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.02 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion:276 Resp: 44185
Ion Ratio Lower Upper
276 100
138 31.0 25.0 37.6
277 26.0 20.1 30.1

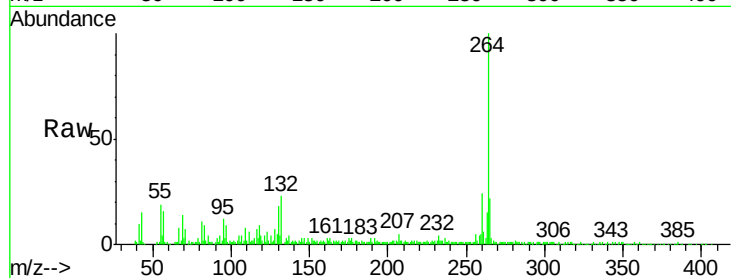




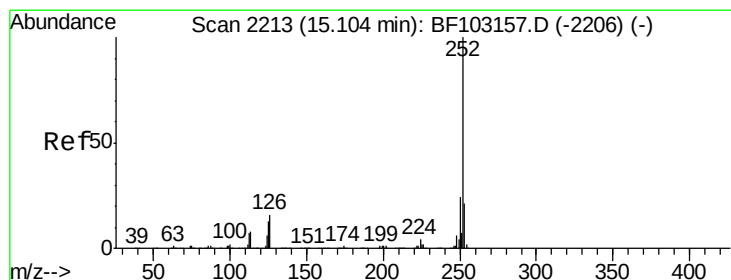
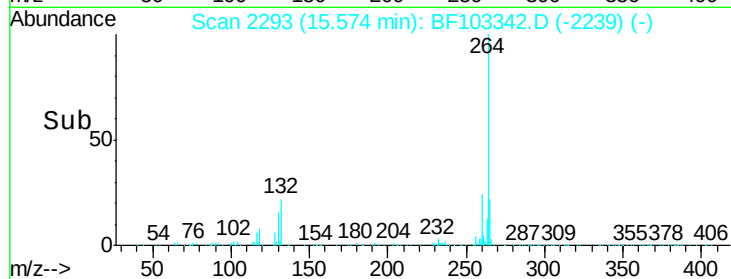
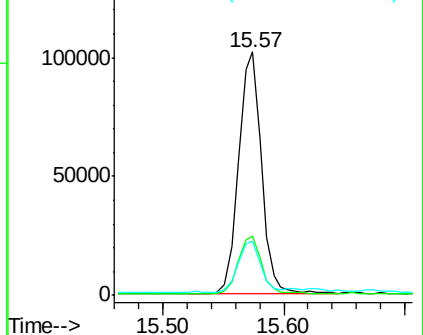
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.02 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 135517
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.3 17.5 26.3

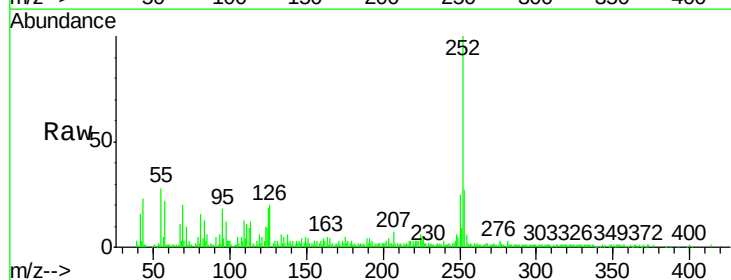


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

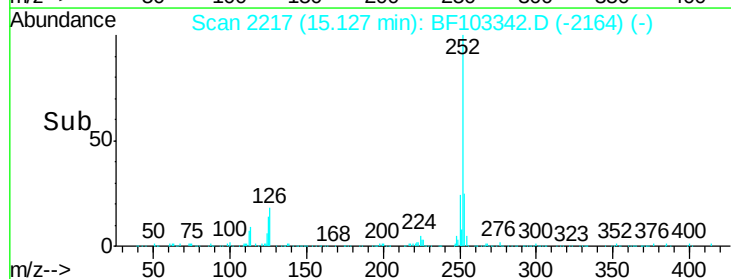
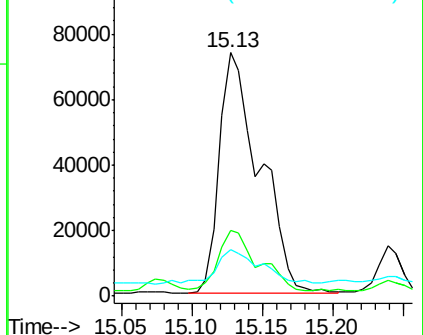


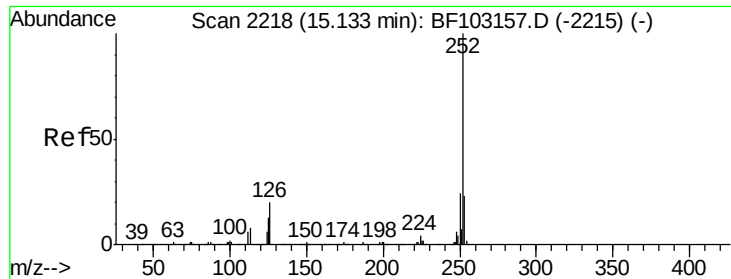
#87
Benzo(b)fluoranthene
Concen: 16.527 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion:252 Resp: 147261
Ion Ratio Lower Upper
252 100
253 27.2 17.0 25.6#
125 19.3 9.0 13.6#



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

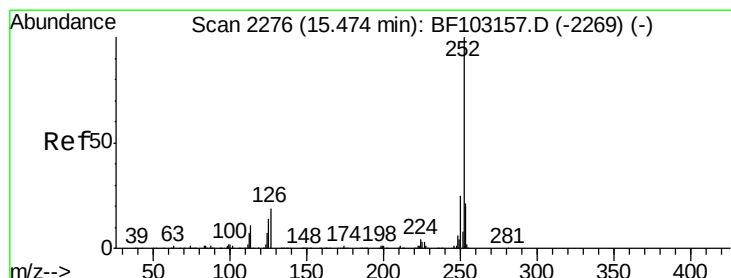
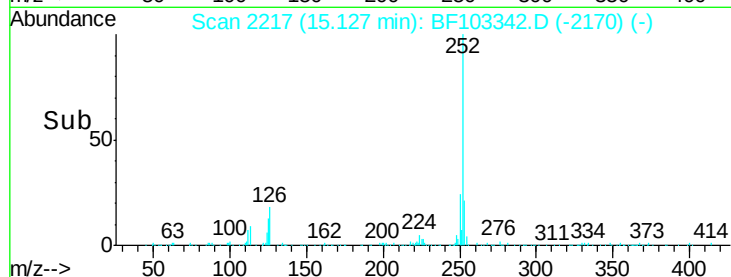
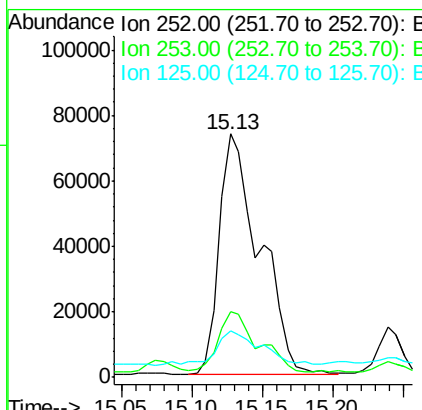
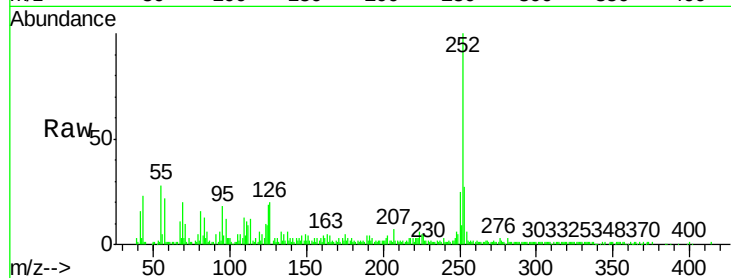




#88
Benzo(k)fluoranthene
Concen: 17.551 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

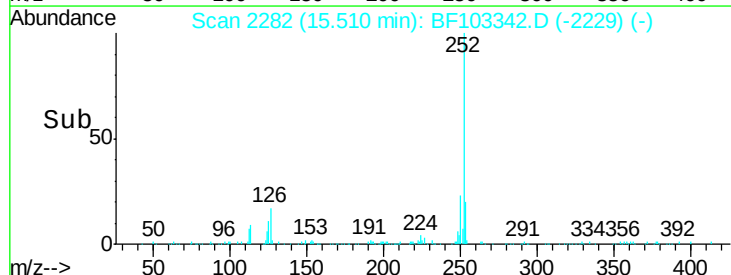
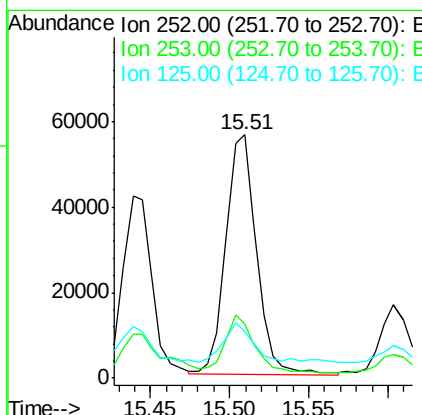
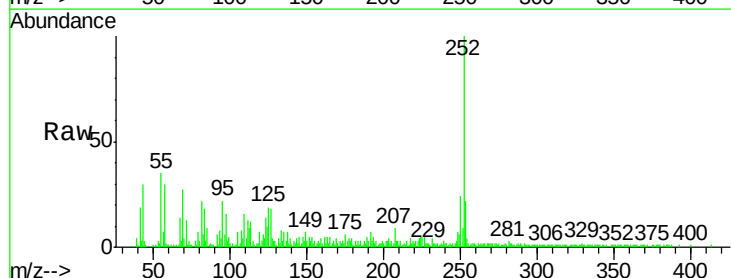
Instrument :
BNA_F
ClientSampleId :

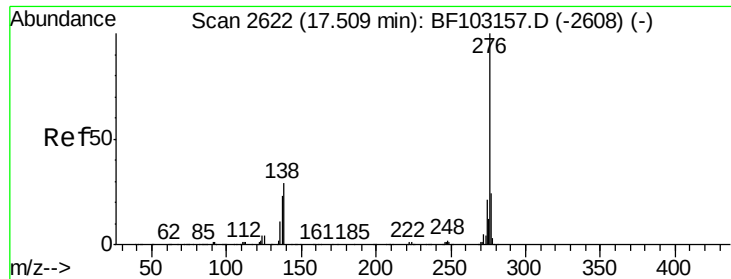
Tot Ion:252 Resp: 147261
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 19.3 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 9.477 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103342.D
Acq: 1 Mar 2018 17:43

Tgt Ion:252 Resp: 75410
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 19.0 9.8 14.6#

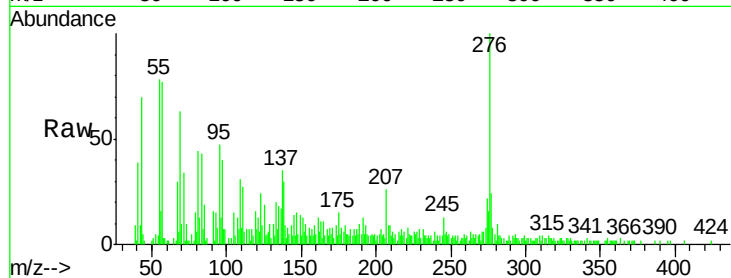




#91
 Benzo(a,h,i)perylene
 Concen: 7.592 ng
 RT: 17.58 min Scan# 2634
 Delta R.T. 0.04 min
 Lab File: BF103342.D
 Acq: 1 Mar 2018 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	30.0	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

