

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103241.D
 Acq On : 27 Feb 2018 1:55
 Operator : SJ/JU
 Sample : J1660-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

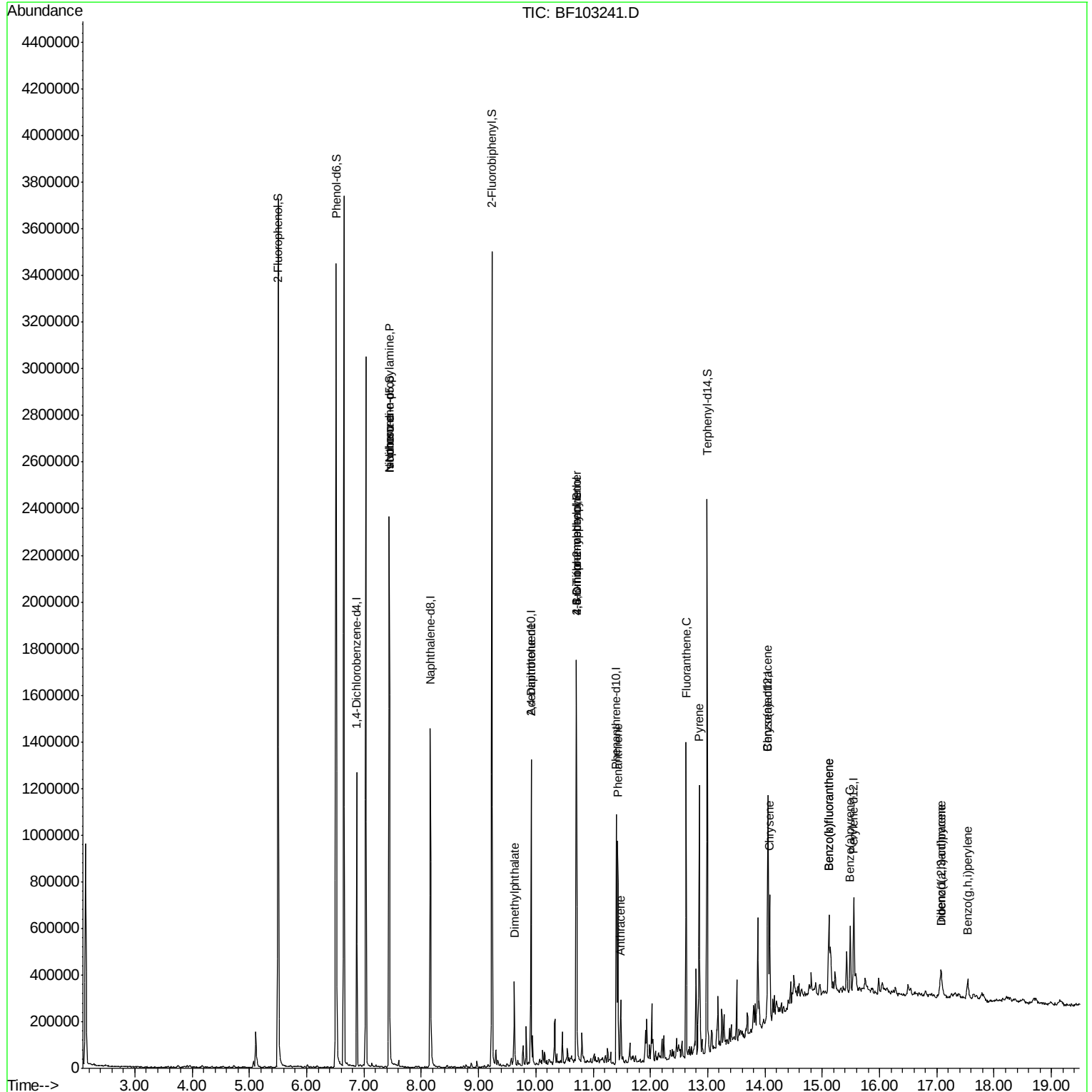
Quant Time: Feb 27 02:28:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	162659	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	640221	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	248607	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	368591	20.00	ng	0.00
75) Chrysene-d12	14.06	240	249025	20.00	ng	0.00
86) Perylene-d12	15.55	264	183470	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1131867	105.24	ng	0.02
7) Phenol-d6	6.52	99	1323554	100.57	ng	0.01
23) Nitrobenzene-d5	7.44	82	798711	71.25	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	197842	94.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1136375	76.98	ng	0.00
78) Terphenyl-d14	12.99	244	788155	76.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	103737	12.67	ng	Qvalue # 81
25) Isophorone	7.44	82	798705	36.17	ng	# 64
49) Dimethylphthalate	9.62	163	123050	6.17	ng	98
56) 2,4-Dinitrotoluene	9.92	165	32515	6.14	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	355	5.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	13229	3.45	ng	# 1
70) Phenanthrene	11.43	178	332976	16.42	ng	99
71) Anthracene	11.48	178	104901	5.04	ng	100
74) Fluoranthene	12.63	202	537645	26.38	ng	98
77) Pyrene	12.86	202	475218	24.48	ng	100
80) Benzo(a)anthracene	14.05	228	227956	14.11	ng	99
82) Chrysene	14.08	228	186117	11.86	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	73186	5.89	ng	97
87) Benzo(b)fluoranthene	15.12	252	260309	21.58	ng	# 92
88) Benzo(k)fluoranthene	15.12	252	260309	22.92	ng	# 95
89) Benzo(a)pyrene	15.49	252	134645	12.50	ng	# 94
90) Dibenzo(a,h)anthracene	17.07	278	19580	2.35	ng	# 75
91) Benzo(g,h,i)perylene	17.54	276	68861	8.46	ng	95

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\  
Data File : BF103241.D  
Acq On    : 27 Feb 2018    1:55  
Operator  : SJ/JU  
Sample    : J1660-01  
Misc      :  
ALS Vial  : 22    Sample Multiplier: 1
```

Quant Time: Feb 27 02:28:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration



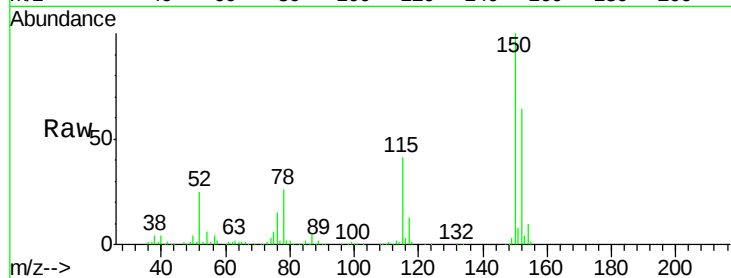


#1

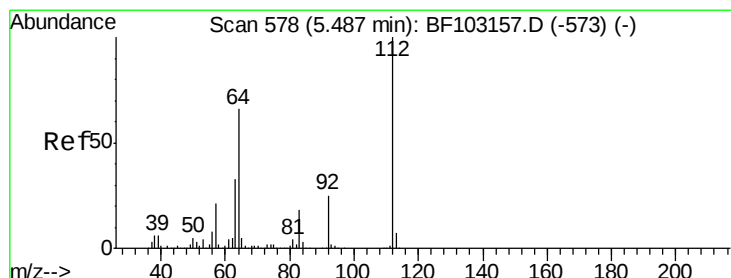
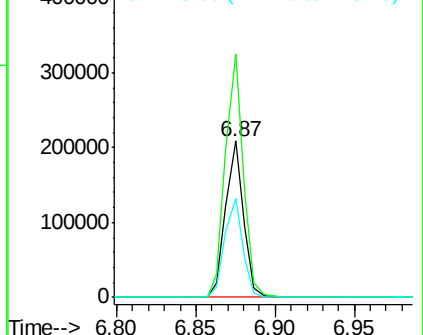
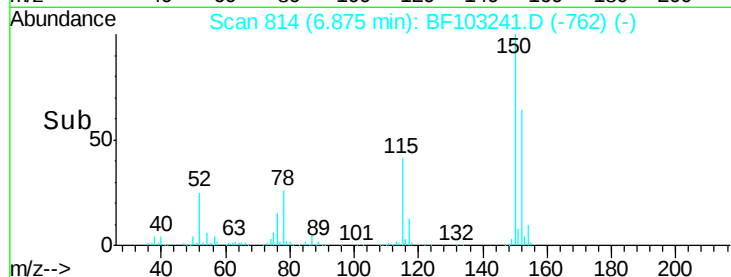
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162659
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 63.1 50.1 75.1



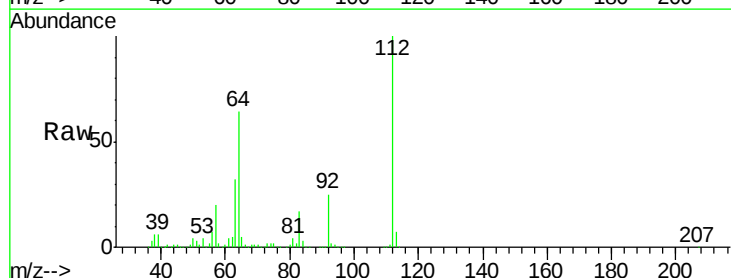
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



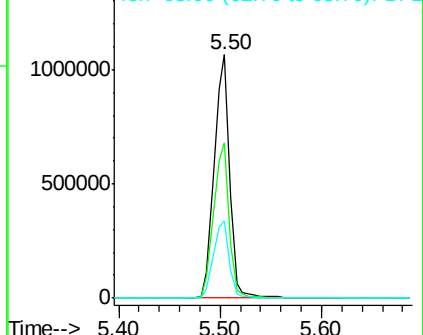
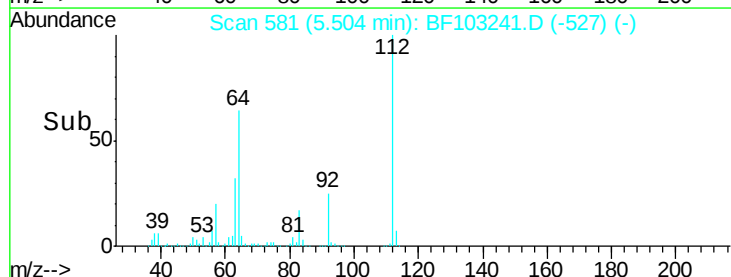
#5

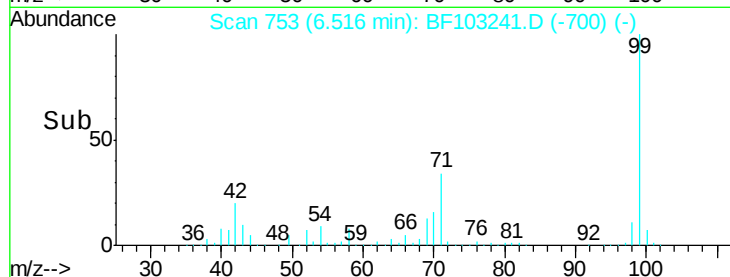
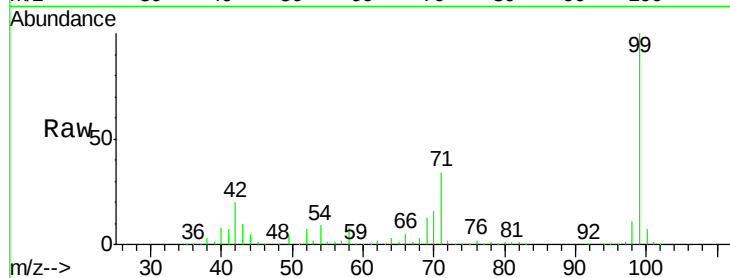
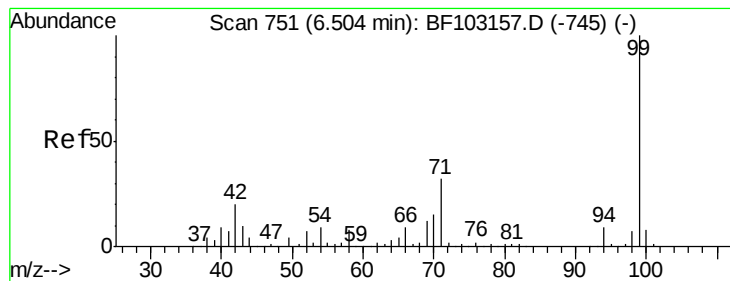
2-Fluorophenol
Concen: 105.24 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion:112 Resp: 1131867
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 31.7 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: 100.57 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

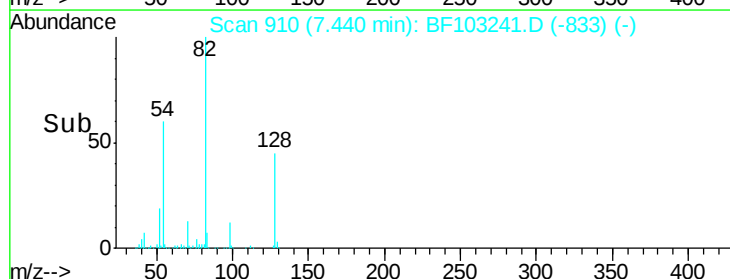
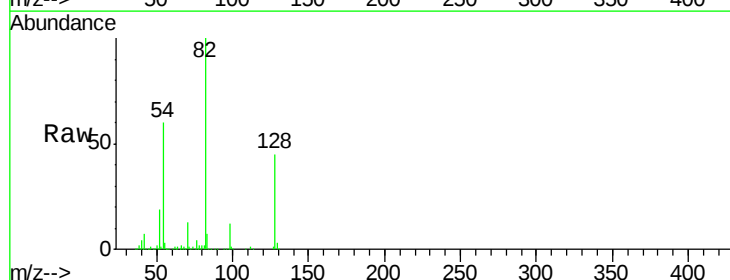
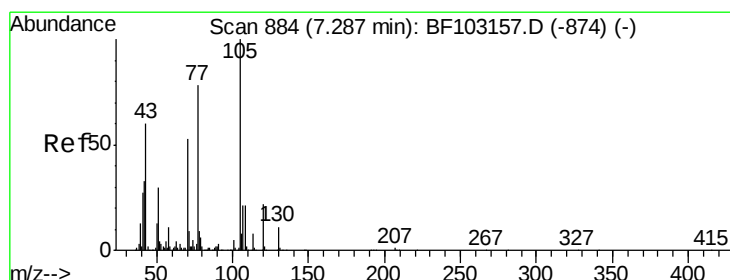
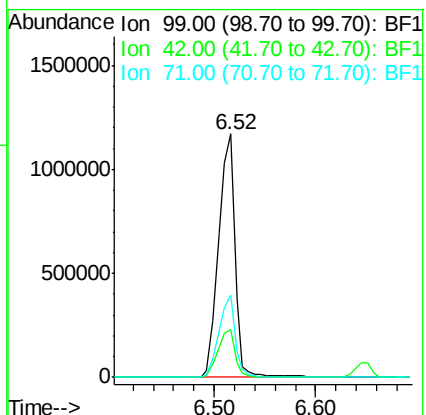
Tot Ion: 99 Resp: 1323554

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.67 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Tgt Ion: 70 Resp: 103737

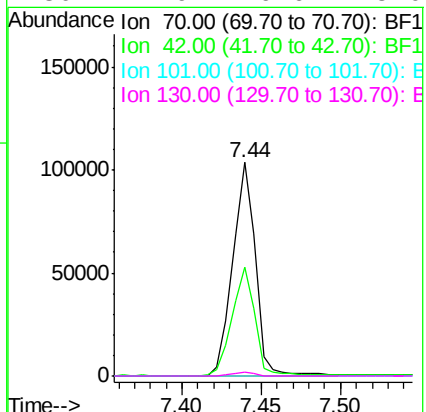
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

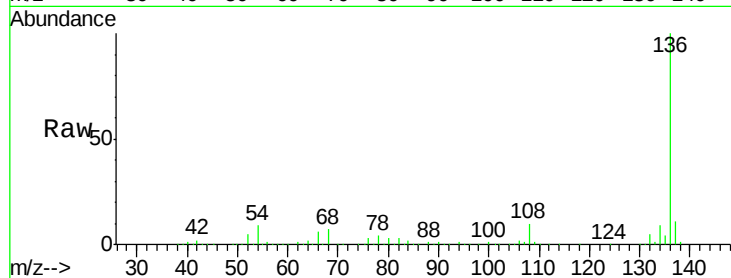




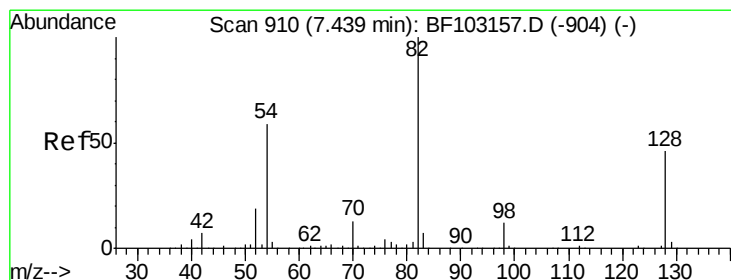
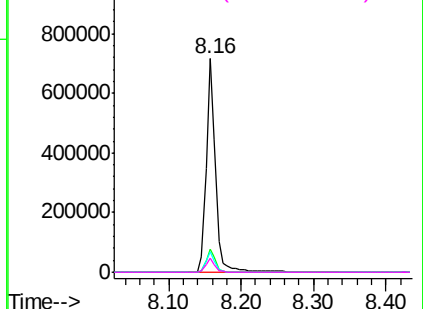
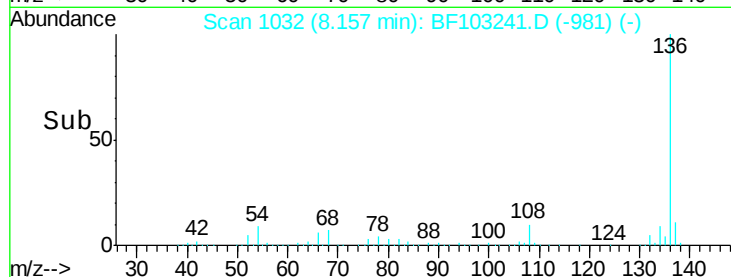
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 640221
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.4 6.6 9.8
68 6.8 5.0 7.4

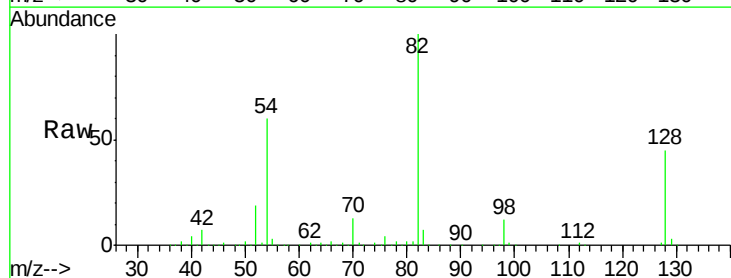


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

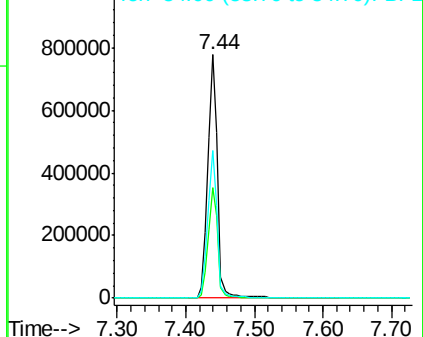
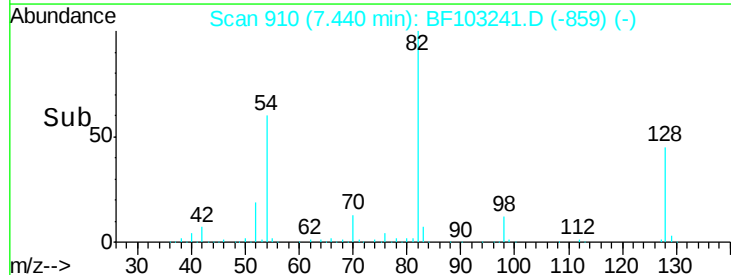


#23
Nitrobenzene-d5
Concen: 71.25 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion: 82 Resp: 798711
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 60.5 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

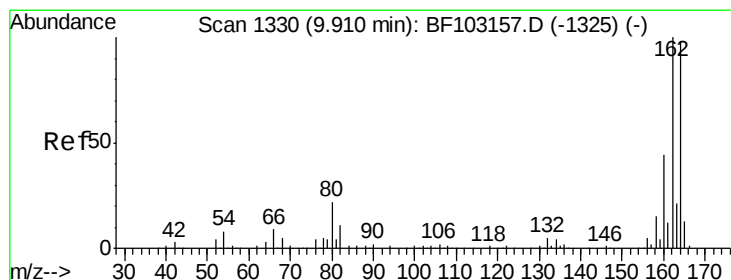
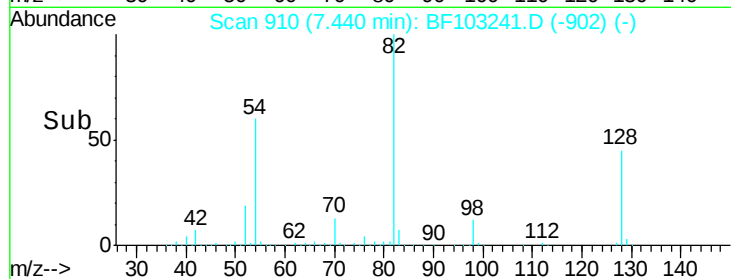
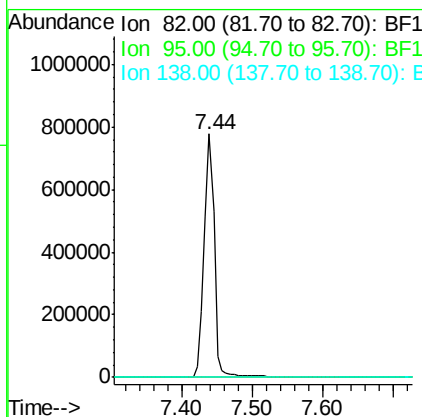
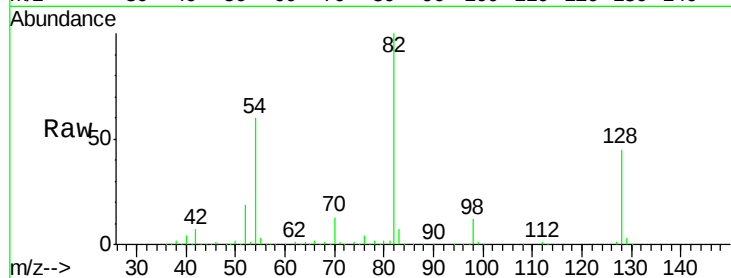




#25
Isophorone
Concen: 36.17 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.25 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

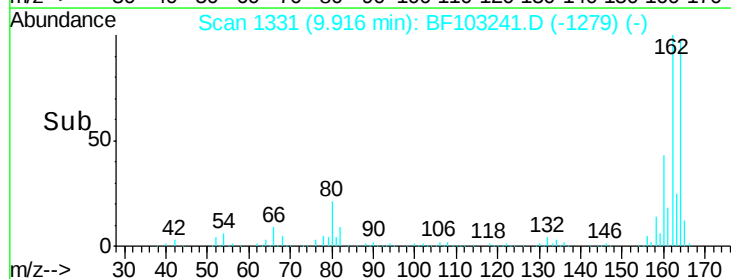
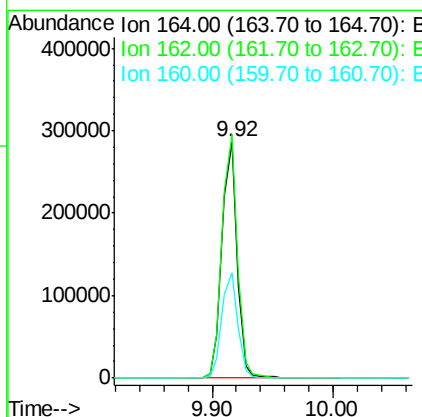
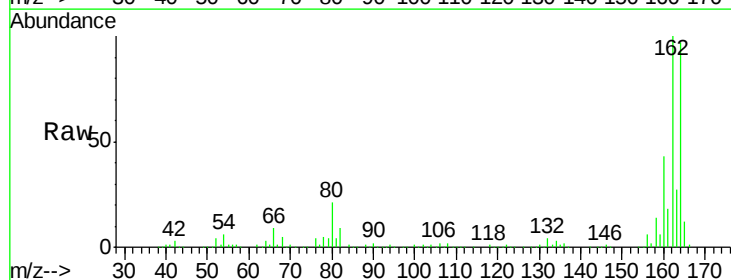
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 798705
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion:164 Resp: 248607
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 44.6 38.3 57.5

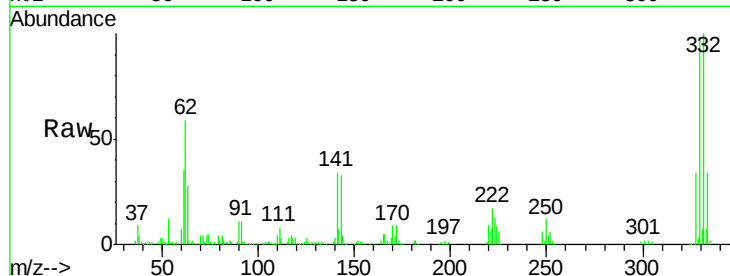




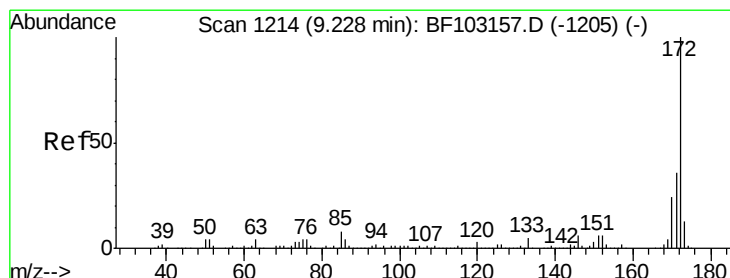
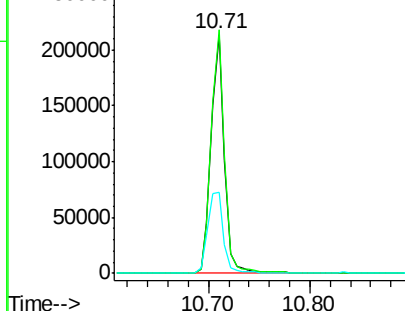
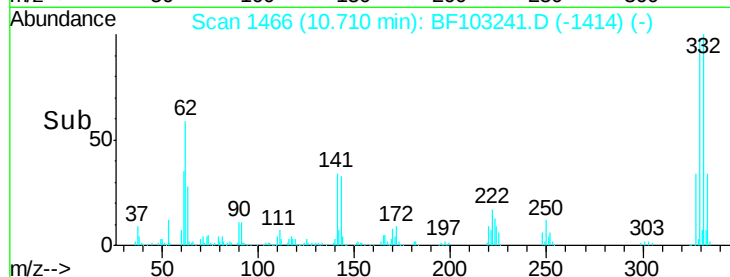
#41
 2,4,6-Tribromophenol
 Concen: 94.02 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	40.3	29.9	44.9

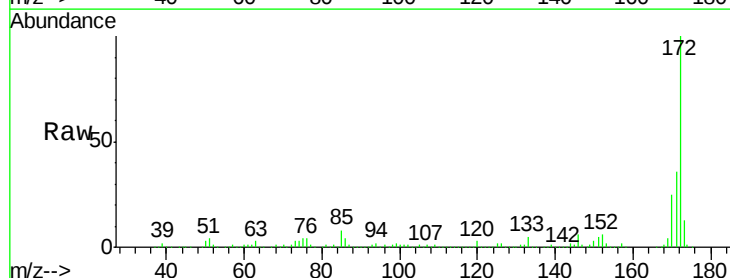


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

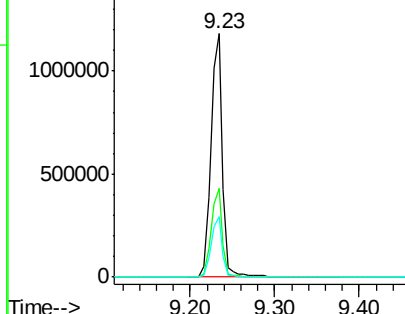
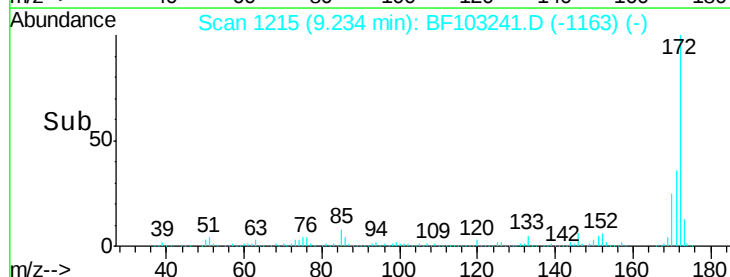


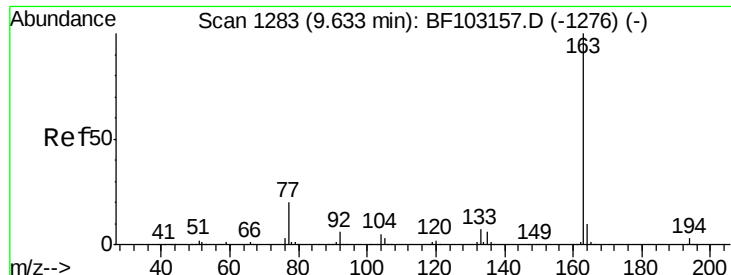
#44
 2-Fluorobiphenyl
 Concen: 76.98 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.8	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

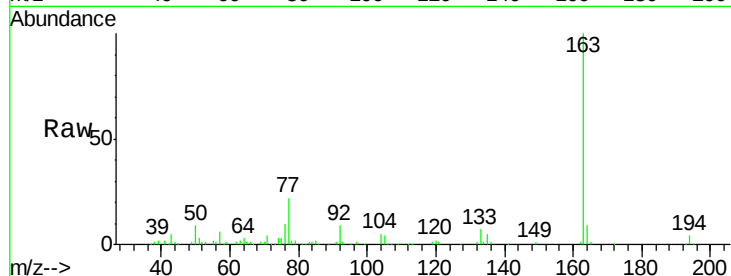




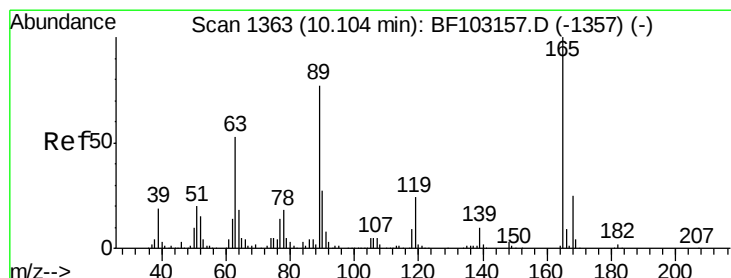
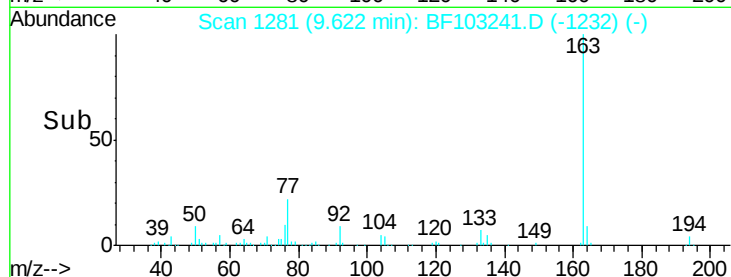
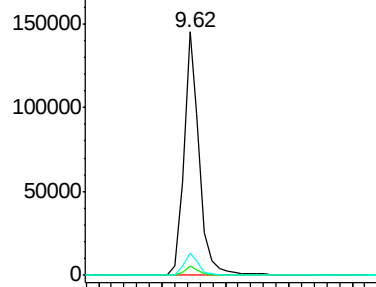
#49
Dimethylphthalate
Concen: 6.17 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.3	8.2	12.2

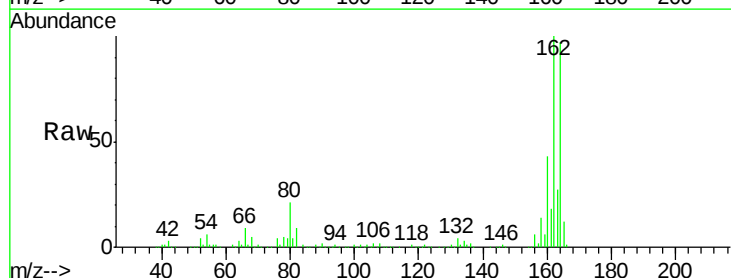


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

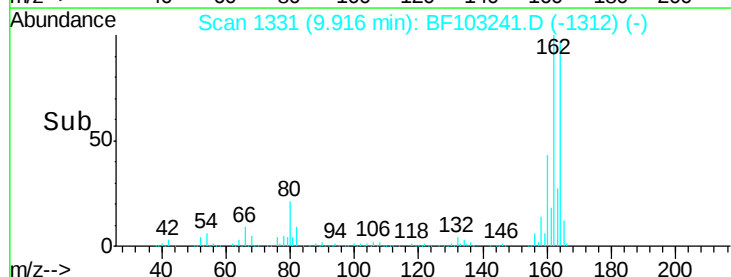
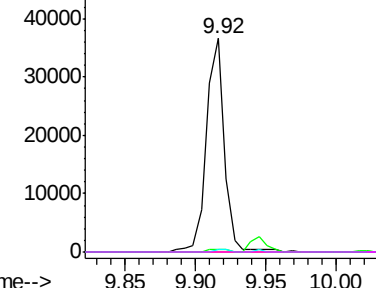


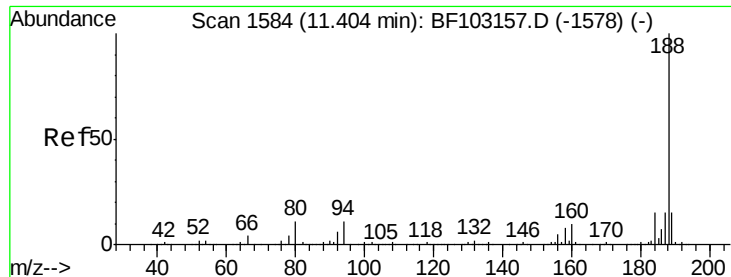
#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.0	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: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

ClientSampleId :

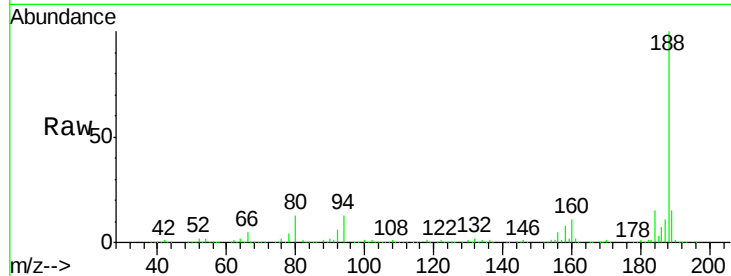
Tot Ion:188 Resp: 368591

Ion Ratio Lower Upper

188 100

94 13.0 8.5 12.7#

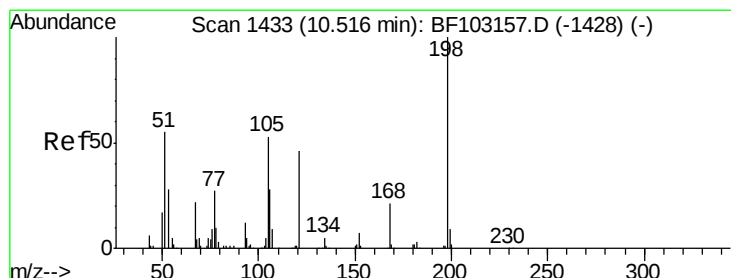
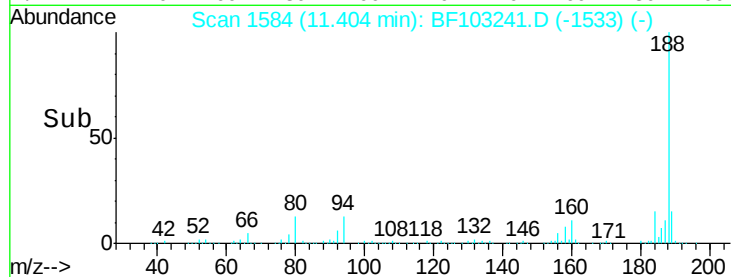
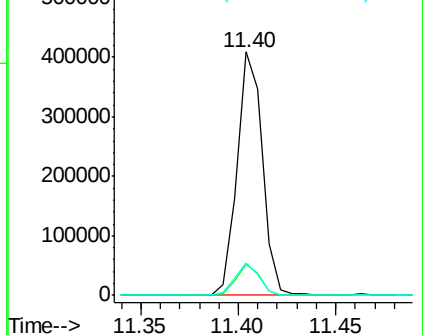
80 13.3 9.2 13.8



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: 5.09 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

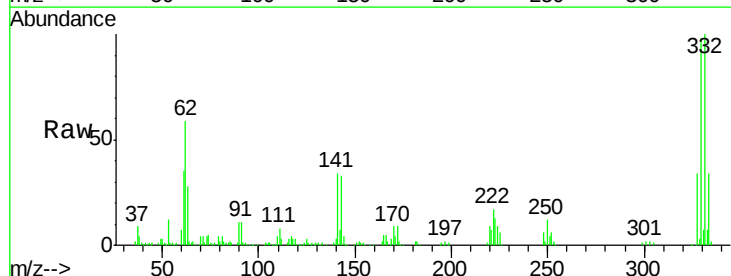
Tgt Ion:198 Resp: 355

Ion Ratio Lower Upper

198 100

51 255.1 37.7 77.7#

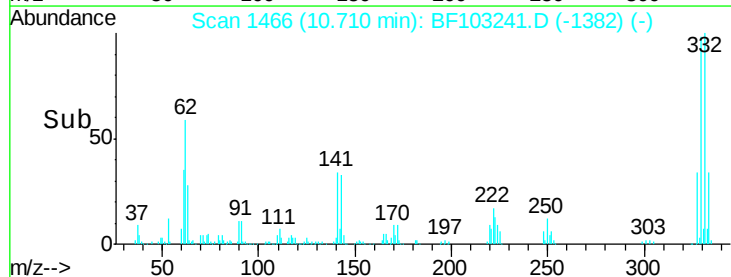
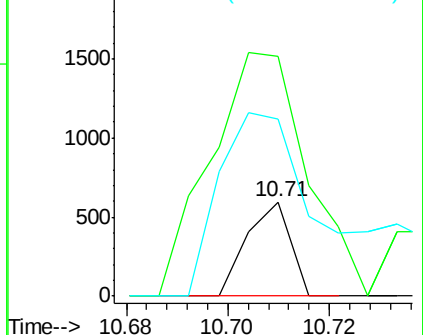
105 188.2 36.3 76.3#

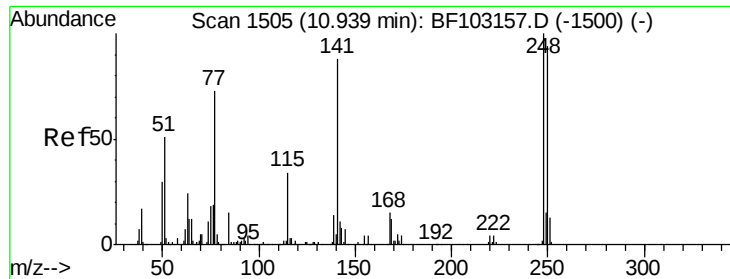


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

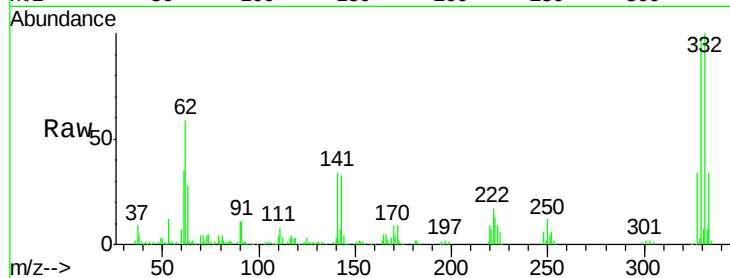




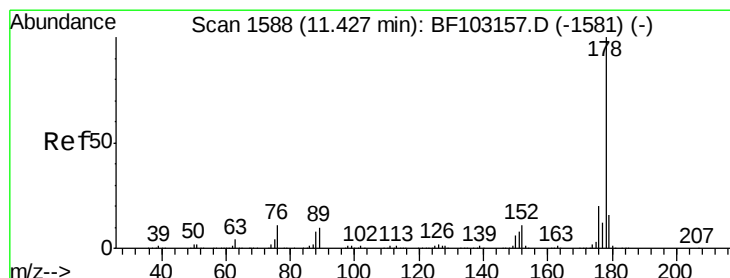
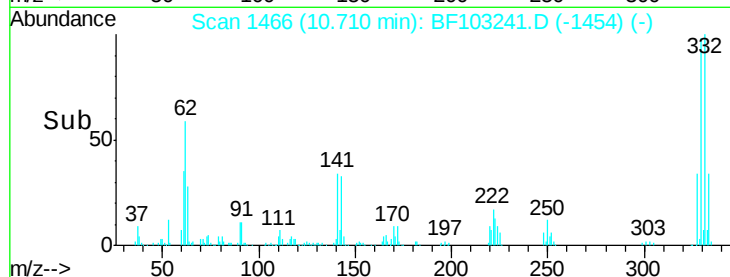
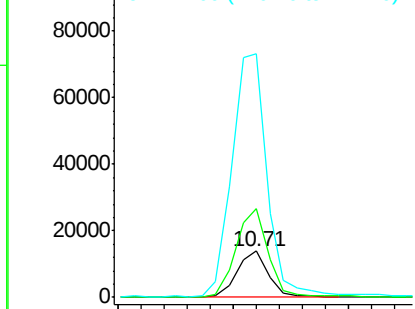
#66
4-Bromophenyl-phenylether
Concen: 3.45 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.23 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13229
Ion Ratio Lower Upper
248 100
250 191.3 76.9 115.3#
141 526.4 74.4 111.6#

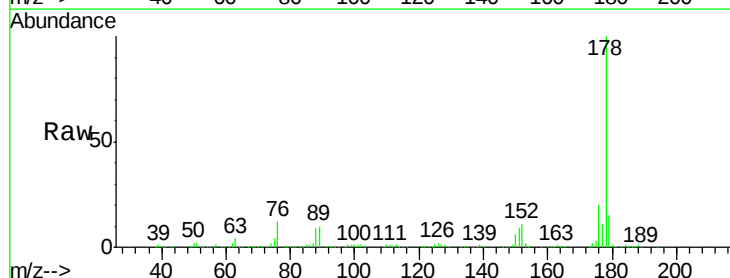


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

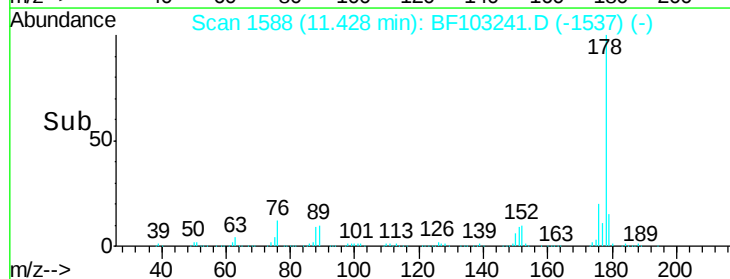
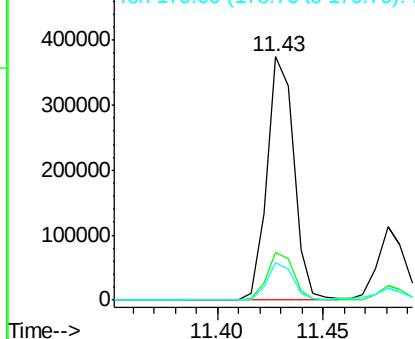


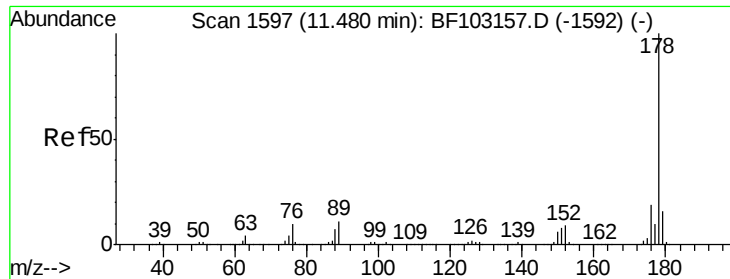
#70
Phenanthrene
Concen: 16.42 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion:178 Resp: 332976
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.3 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

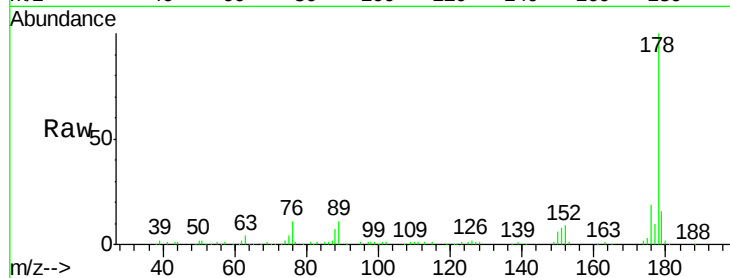




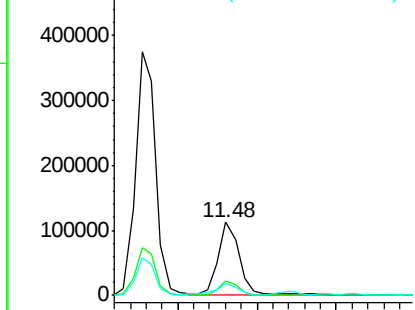
#71
 Anthracene
 Concen: 5.04 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

Instrument :
 BNA_F
 ClientSampled :

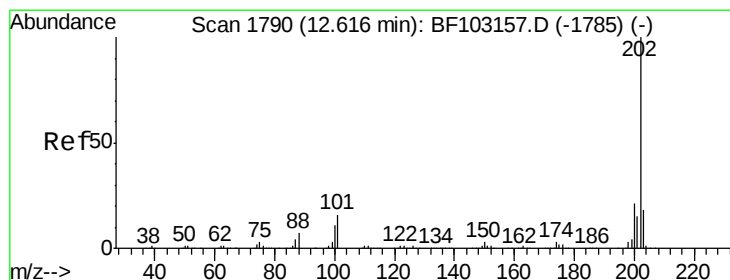
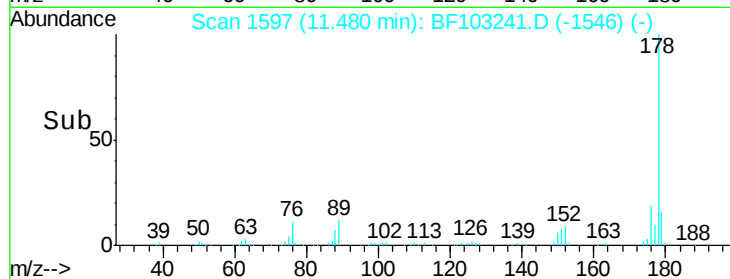
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	19.0



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

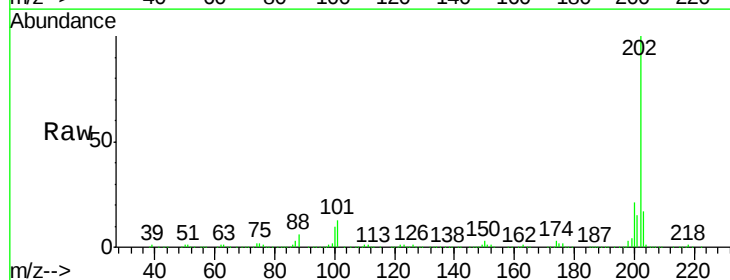


Time-->

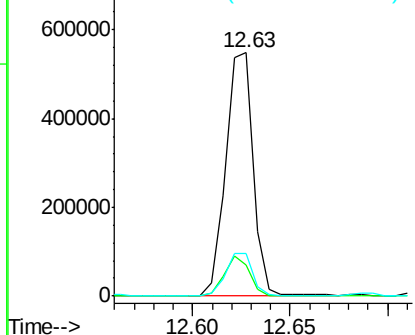


#74
 Fluoranthene
 Concen: 26.38 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF103241.D
 Acq: 27 Feb 2018 1:55

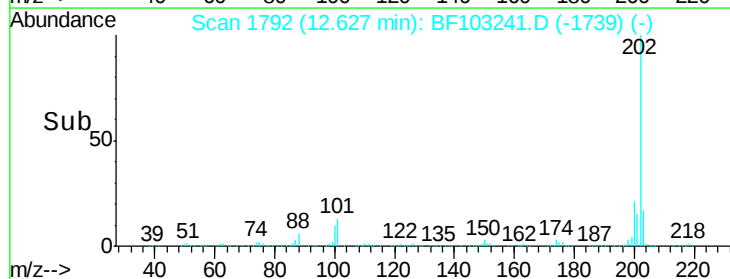
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.4	0.0	38.1

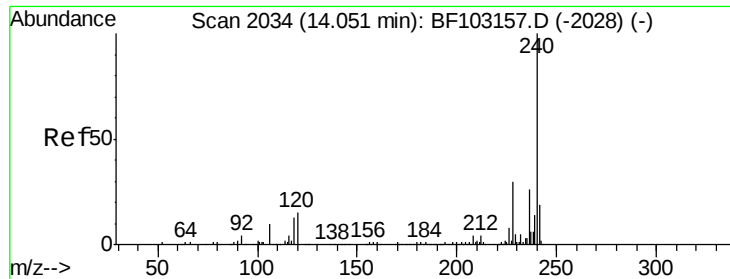


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

ClientSampleId :

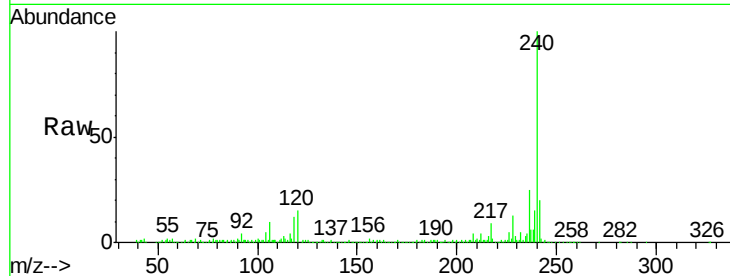
Tot Ion:240 Resp: 249025

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

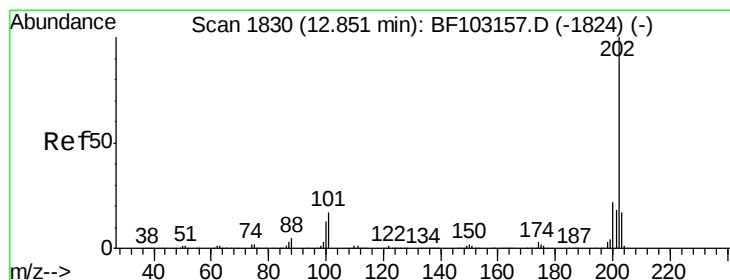
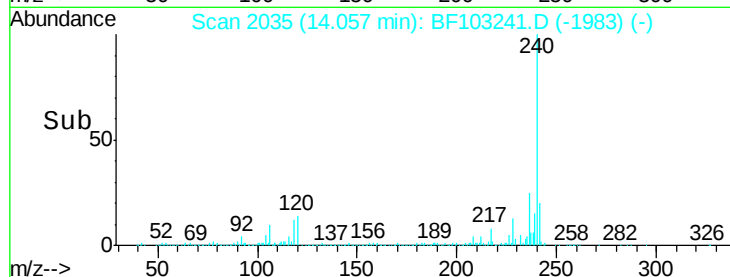
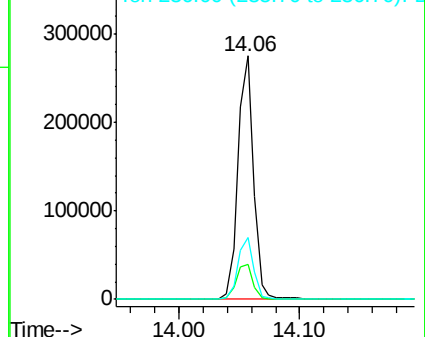
236 25.4 20.7 31.1



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: 24.48 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

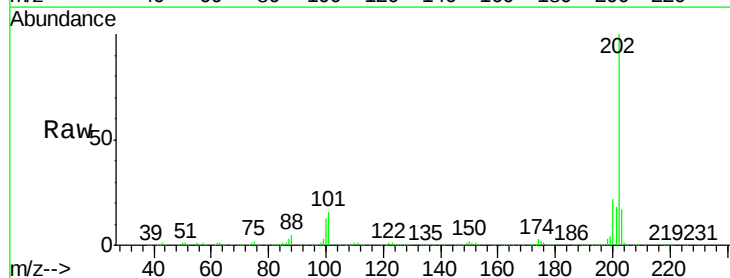
Tgt Ion:202 Resp: 475218

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

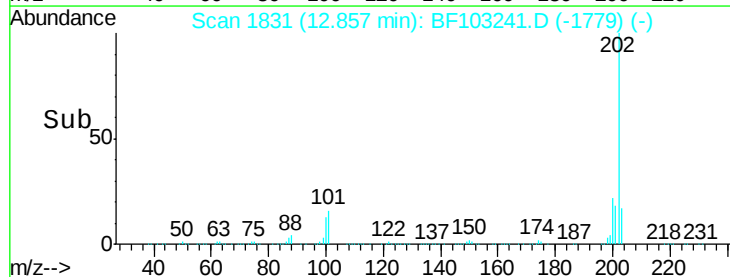
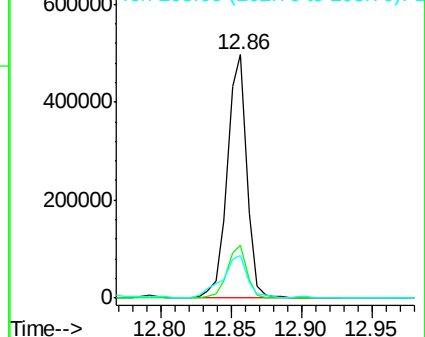
203 17.4 14.3 21.5

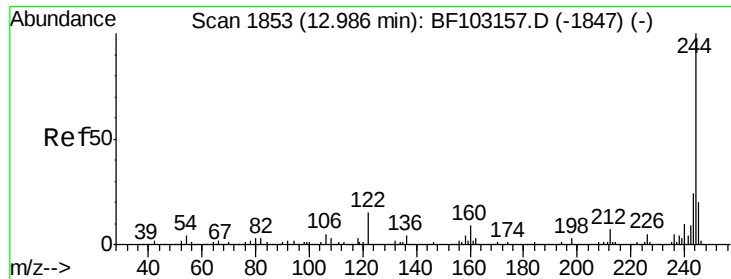


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.08 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

ClientSampleId :

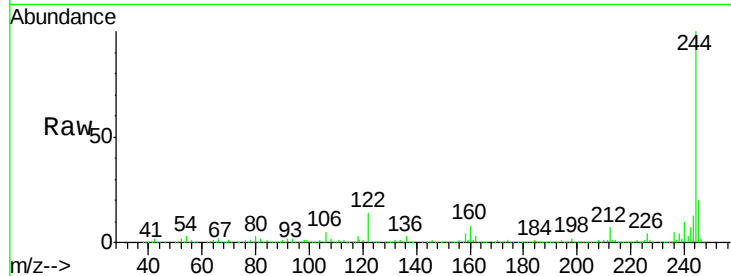
Tot Ion:244 Resp: 788155

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

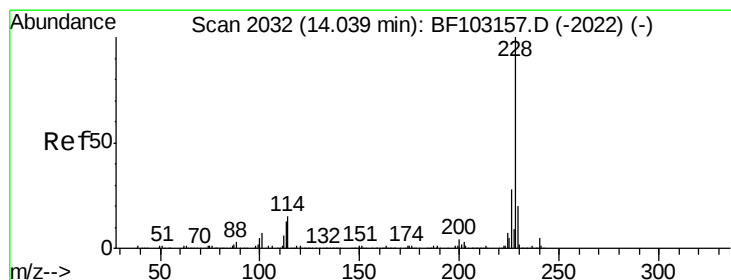
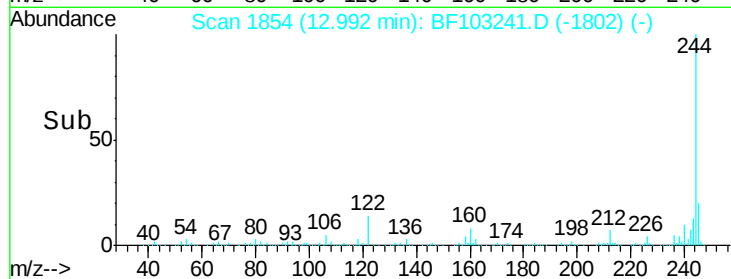
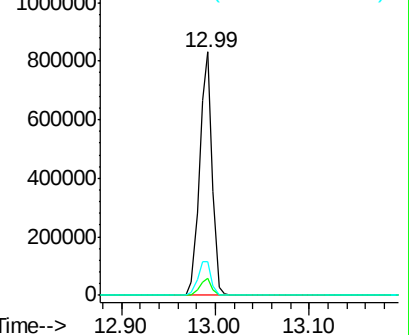
122 13.9 11.0 16.4



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: 14.11 ng

RT: 14.05 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

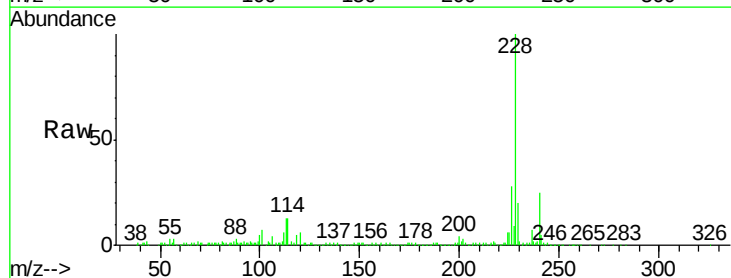
Tgt Ion:228 Resp: 227956

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

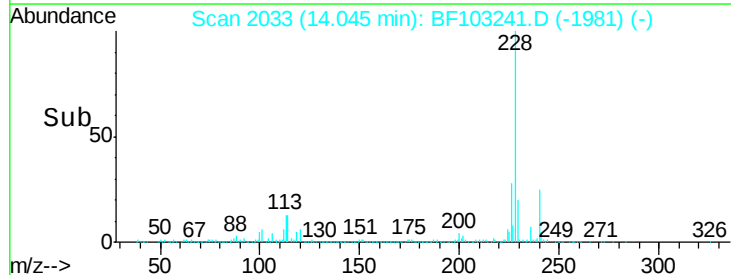
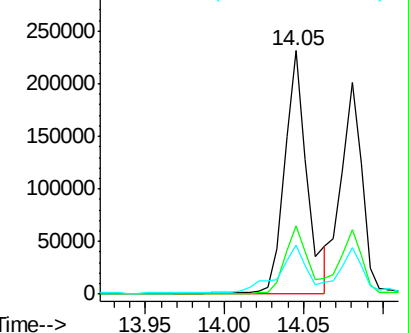
229 20.4 15.8 23.6

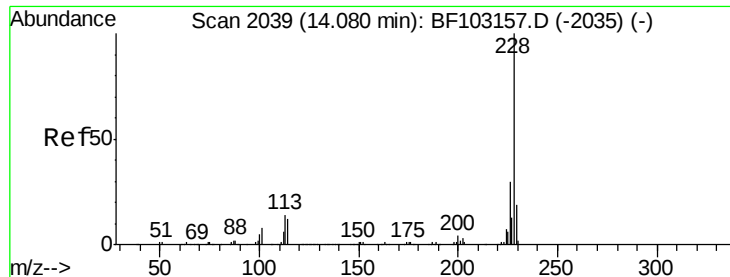


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.86 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

ClientSampleId :

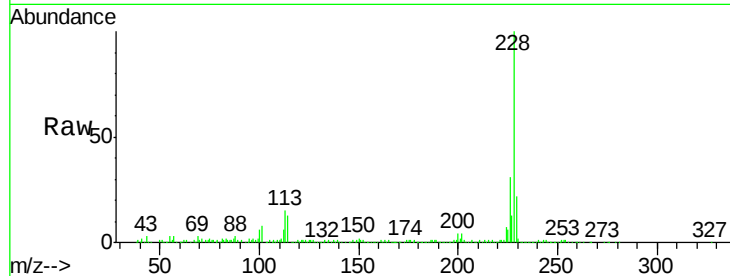
Tot Ion:228 Resp: 186117

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

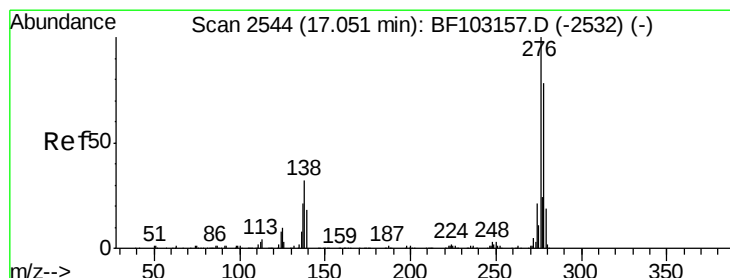
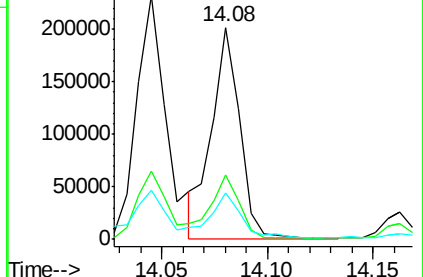
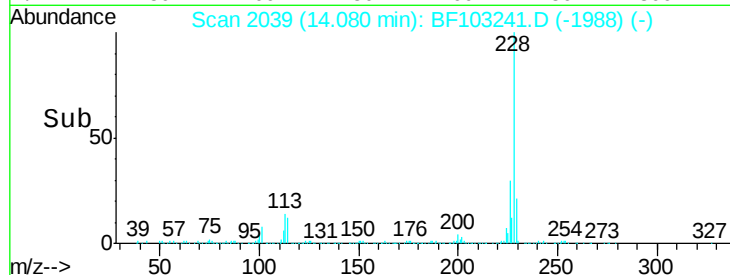
229 22.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.89 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.02 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

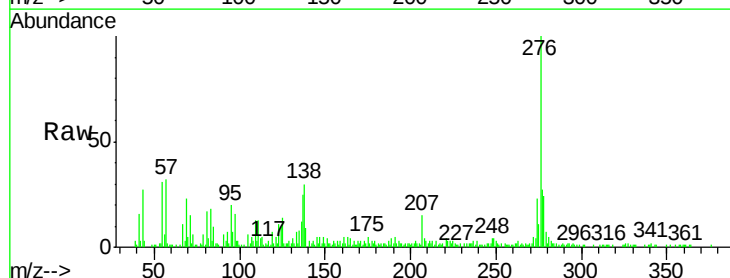
Tgt Ion:276 Resp: 73186

Ion Ratio Lower Upper

276 100

138 29.1 25.0 37.6

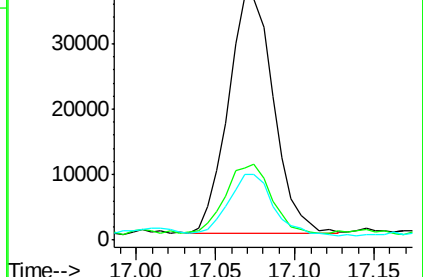
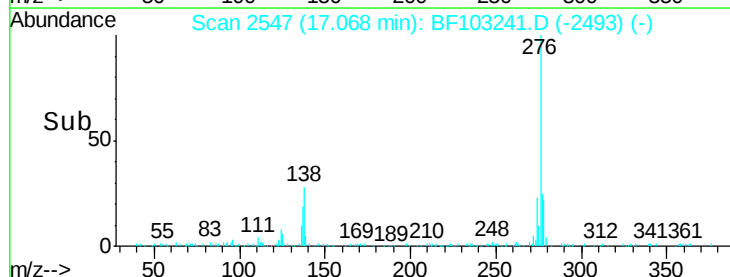
277 25.5 20.1 30.1

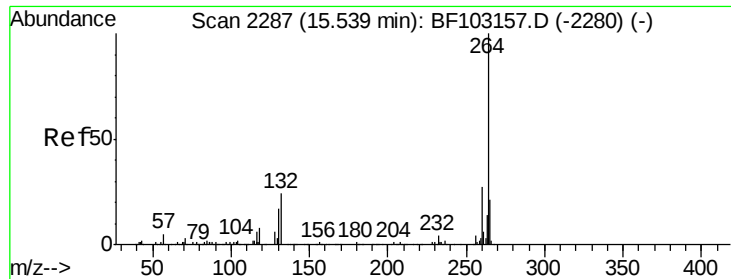


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

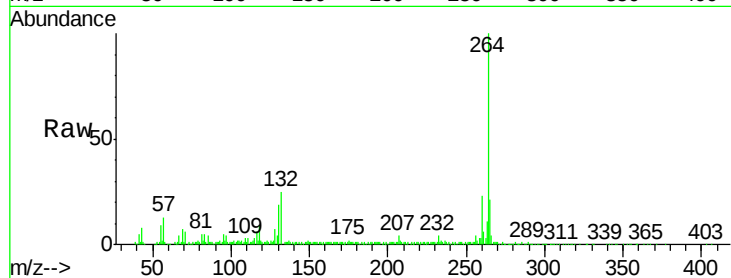




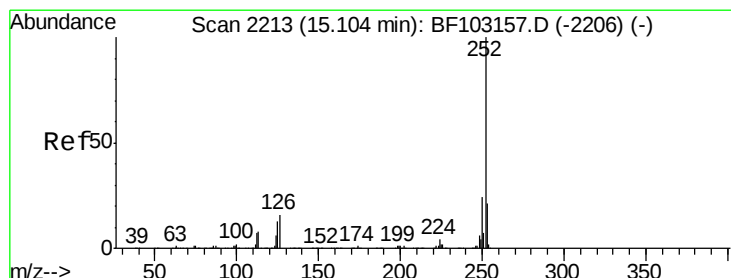
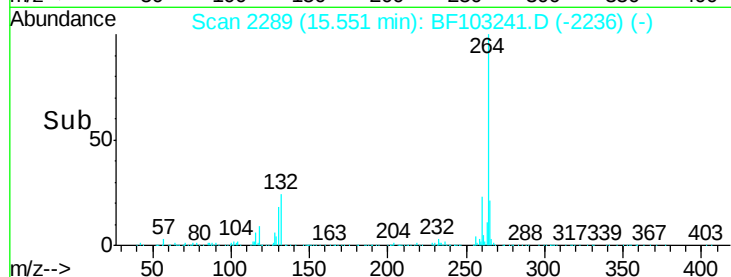
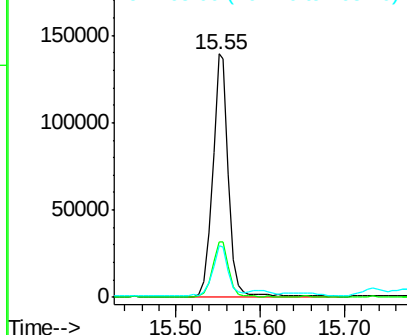
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 183470
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.4 17.5 26.3

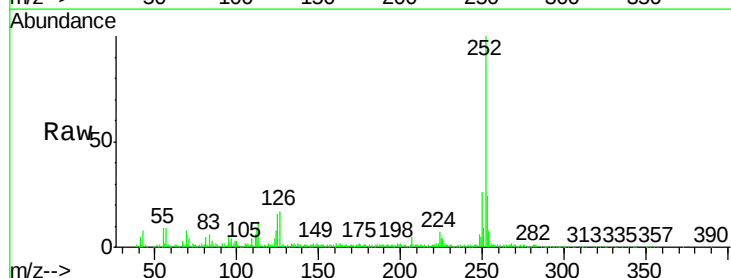


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

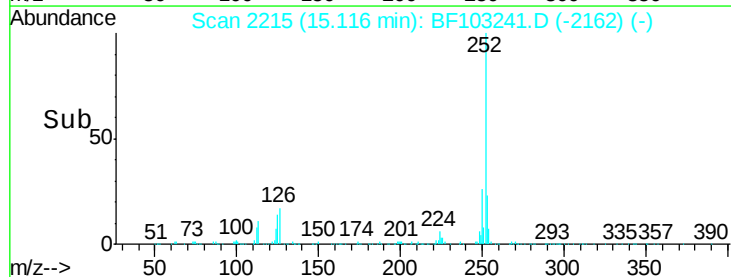
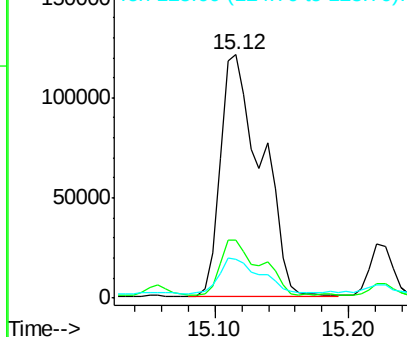


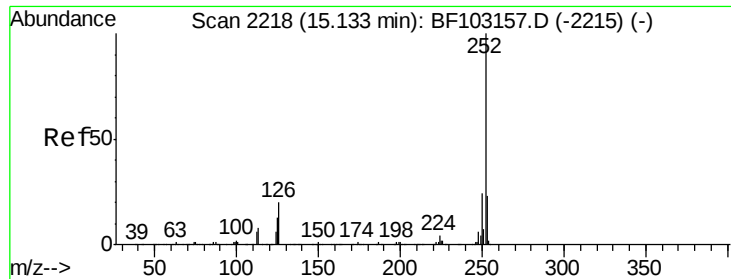
#87
Benzo(b)fluoranthene
Concen: 21.58 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion:252 Resp: 260309
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 15.9 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

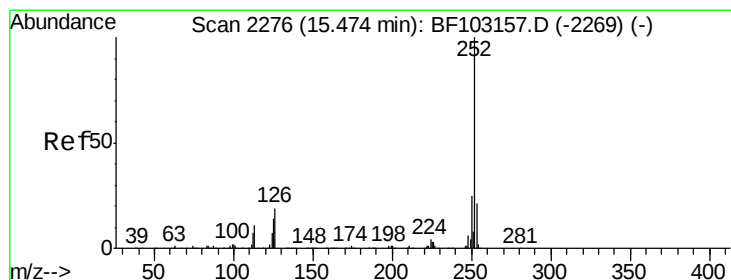
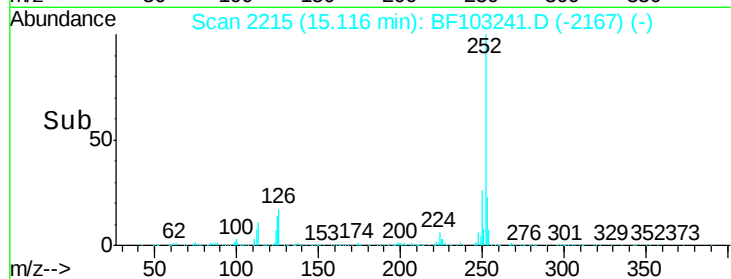
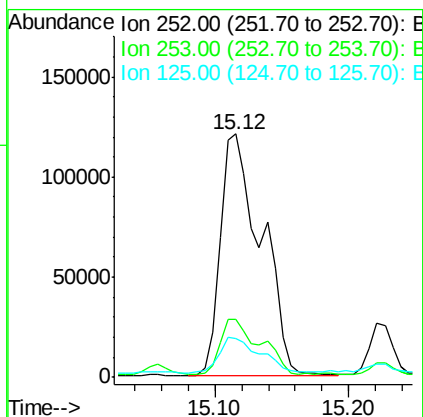
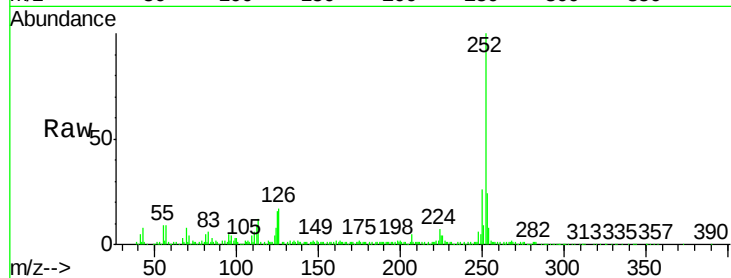




#88
Benzo(k)fluoranthene
Concen: 22.92 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

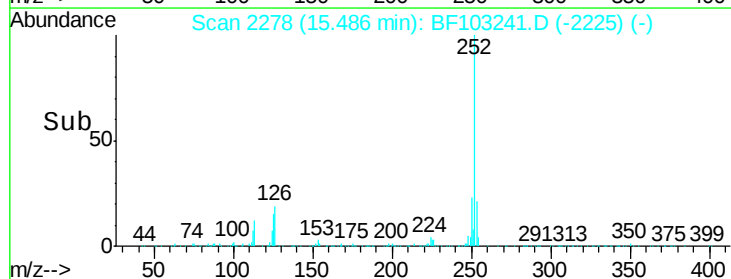
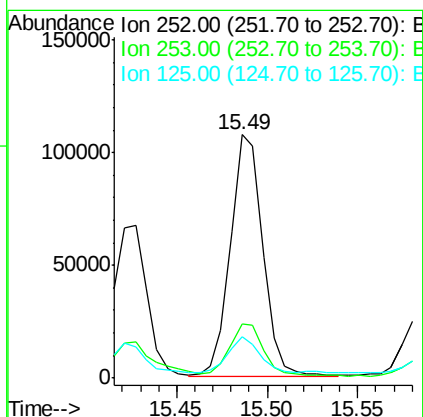
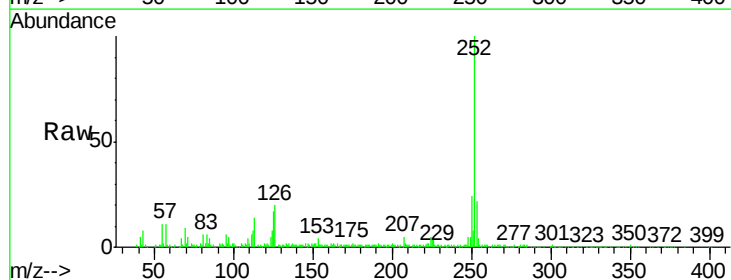
Instrument :
BNA_F
ClientSampleId :

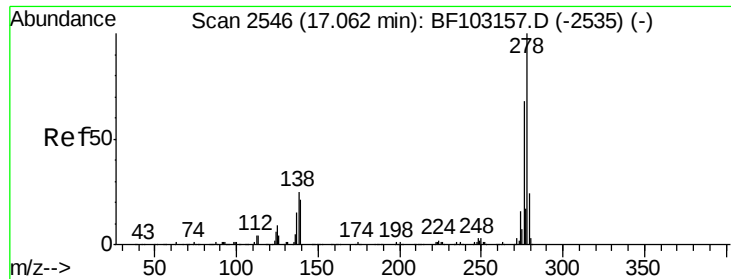
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.9	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 12.50 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103241.D
Acq: 27 Feb 2018 1:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	17.0	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.35 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.01 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

Instrument :

BNA_F

ClientSampleId :

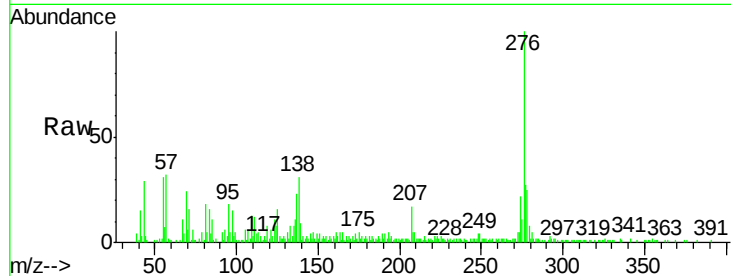
Tot Ion:278 Resp: 19580

Ion Ratio Lower Upper

278 100

139 35.3 15.9 23.9#

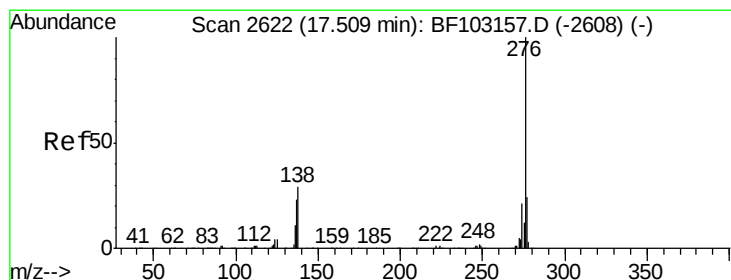
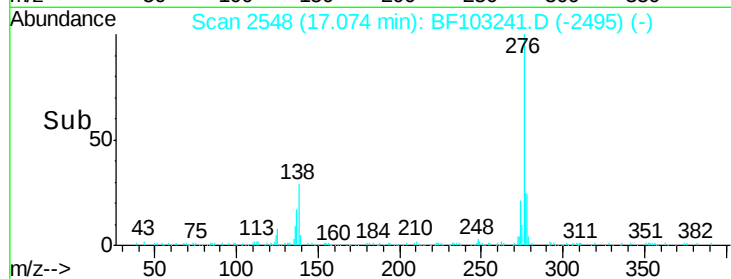
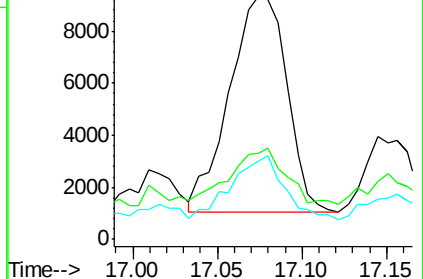
279 32.1 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.46 ng

RT: 17.54 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF103241.D

Acq: 27 Feb 2018 1:55

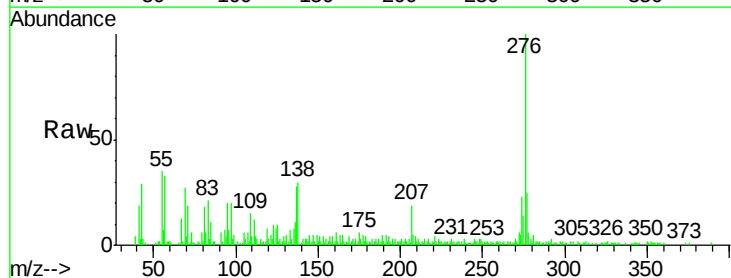
Tgt Ion:276 Resp: 68861

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 29.7 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

