

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103443.D
 Acq On : 6 Mar 2018 8:33
 Operator : SJ/JU
 Sample : J1786-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 09:48:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	121642	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	478004	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	179482	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	255991	20.00	ng	0.00
75) Chrysene-d12	14.06	240	177311	20.00	ng	0.00
86) Perylene-d12	15.57	264	129741	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	707575	87.98	ng	0.00
7) Phenol-d6	6.51	99	856156	86.99	ng	-0.01
23) Nitrobenzene-d5	7.44	82	500560	59.80	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	96867	63.76	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	689050	61.90	ng	0.00
78) Terphenyl-d14	12.99	244	478654	64.89	ng	0.00

Target Compounds

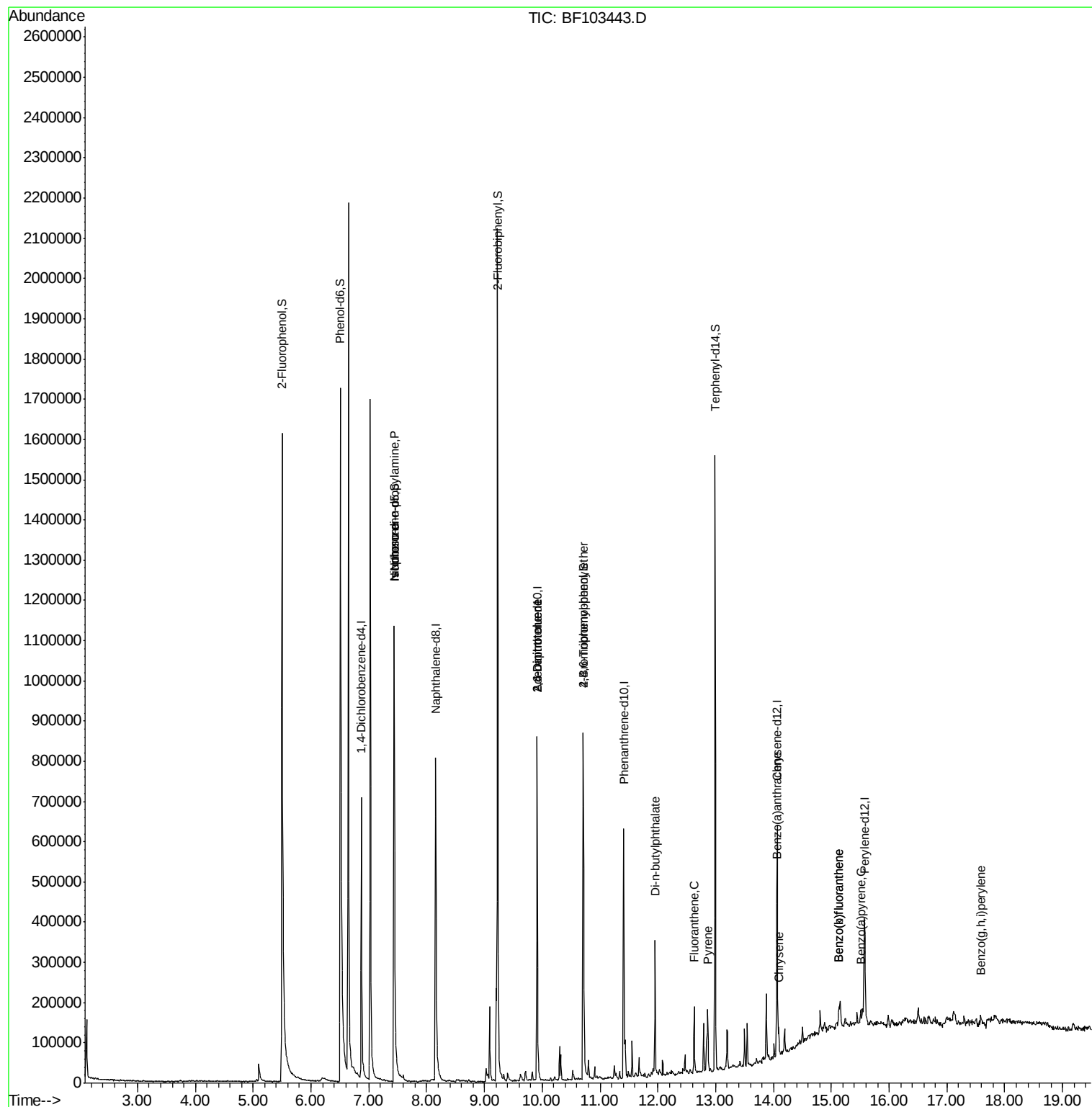
						Qvalue
9) Benzaldehyde	6.51	77	1717	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	66112	10.794	ng	# 82
25) Isophorone	7.44	82	500560	30.365	ng	# 64
50) 2,6-Dinitrotoluene	9.91	165	22885	7.574	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	22885	5.989	ng	# 23
66) 4-Bromophenyl-phenylether	10.71	248	6417	2.406	ng	# 1
73) Di-n-butylphthalate	11.95	149	151948	8.441	ng	99
74) Fluoranthene	12.63	202	60963	4.306	ng	98
77) Pyrene	12.86	202	63616	4.602	ng	99
80) Benzo(a)anthracene	14.05	228	26537	2.307	ng	98
82) Chrysene	14.09	228	24260	2.172	ng	97
87) Benzo(b)fluoranthene	15.13	252	34489	4.043	ng	# 85
88) Benzo(k)fluoranthene	15.13	252	34489	4.294	ng	# 88
89) Benzo(a)pyrene	15.51	252	19053	2.501	ng	# 85
91) Benzo(a,h,i)perylene	17.60	276	11939	2.075	ng	98

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

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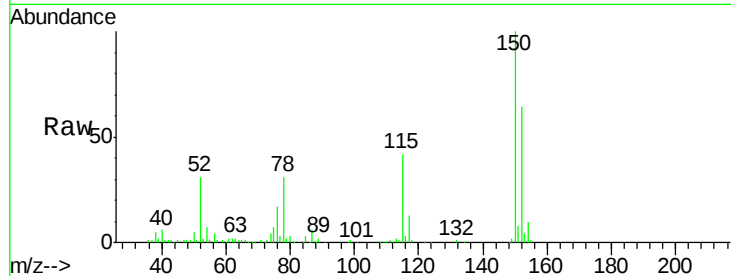


#1

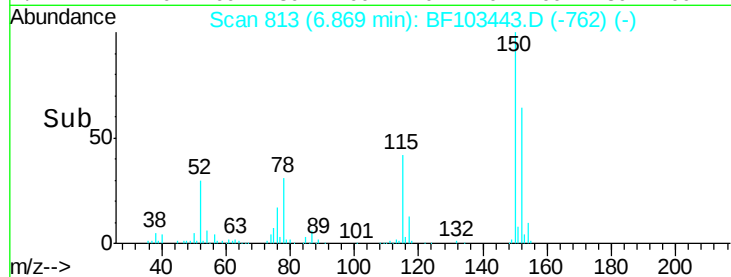
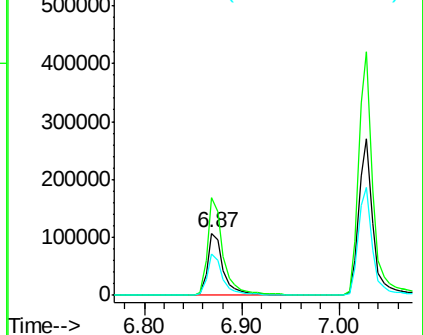
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121642
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 66.1 50.1 75.1



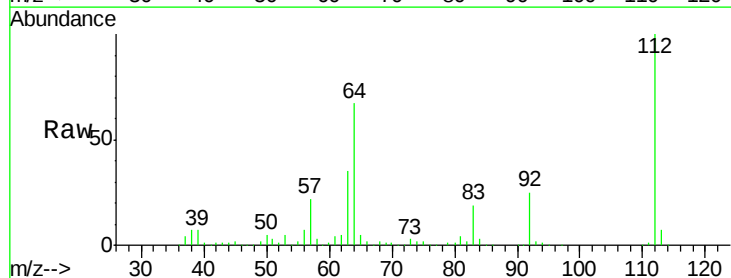
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



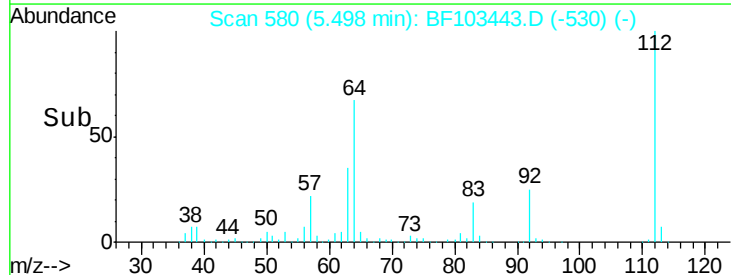
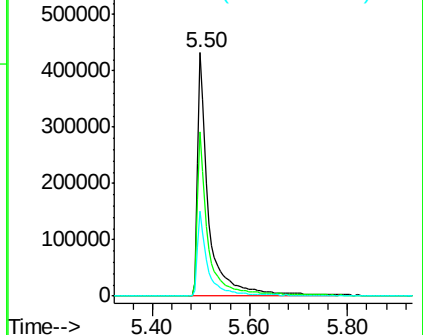
#5

2-Fluorophenol
Concen: 87.976 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Tgt Ion:112 Resp: 707575
Ion Ratio Lower Upper
112 100
64 67.4 47.9 71.9
63 34.8 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: 86.994 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampled :

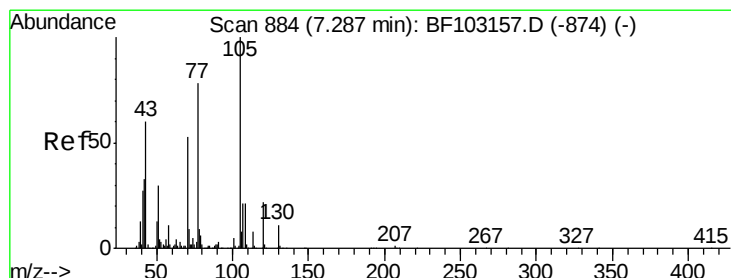
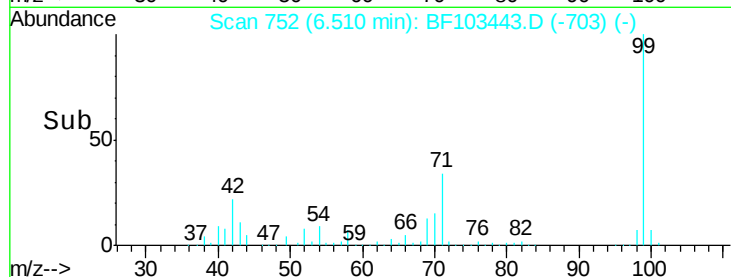
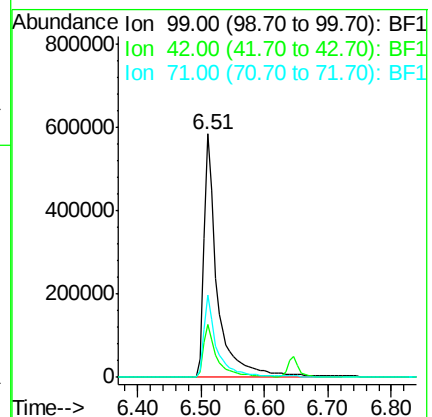
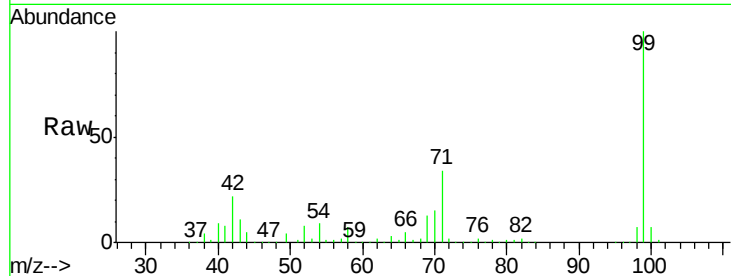
Tot Ion: 99 Resp: 856156

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.794 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Tgt Ion: 70 Resp: 66112

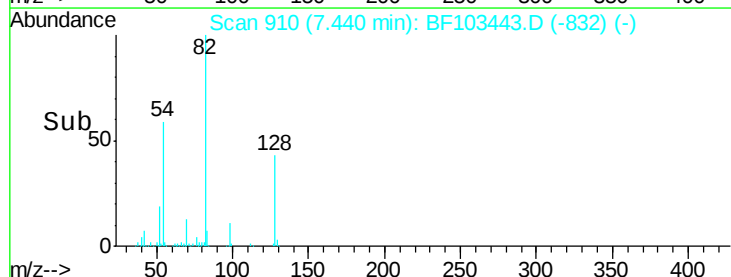
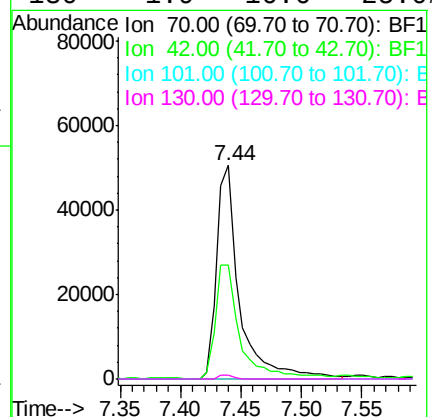
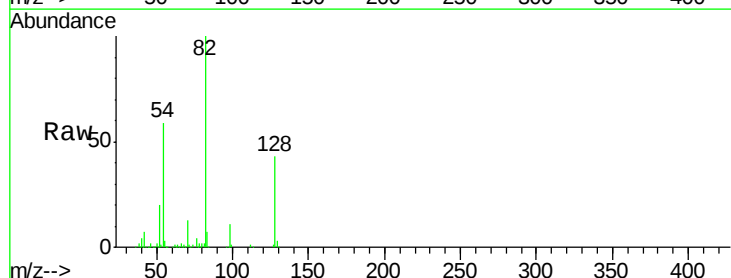
Ion Ratio Lower Upper

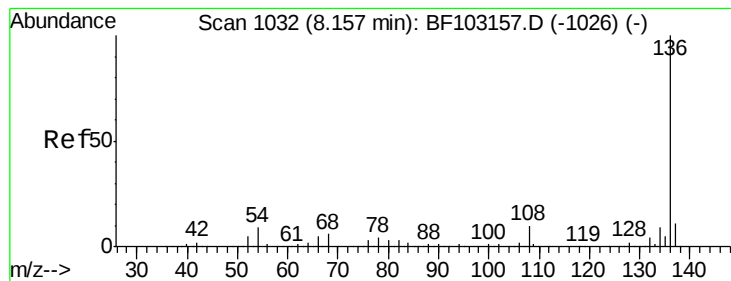
70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 478004

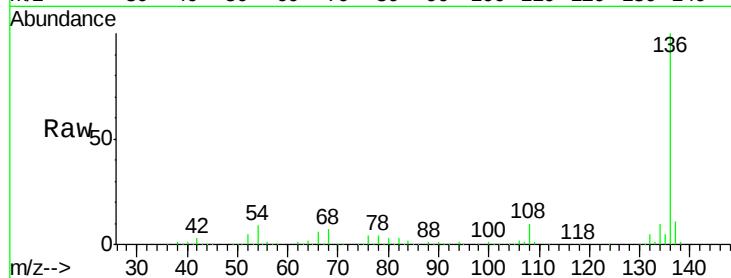
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.1 6.6 9.8

68 6.6 5.0 7.4

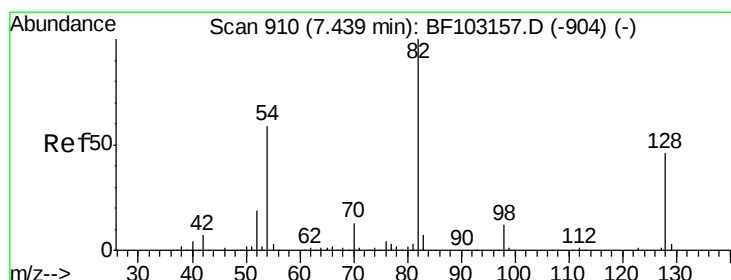
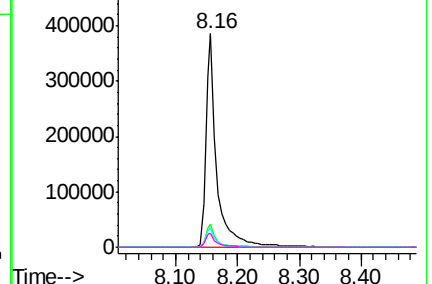
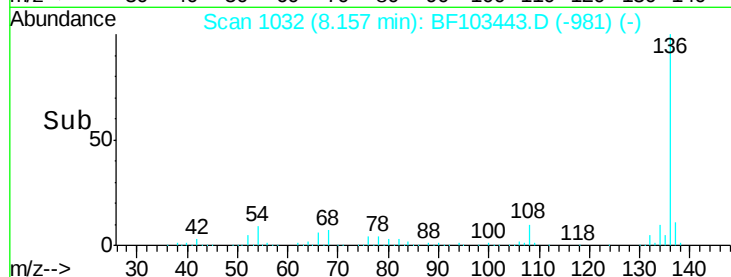


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.803 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

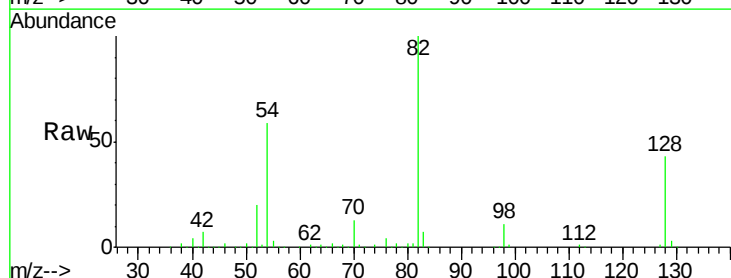
Tgt Ion: 82 Resp: 500560

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

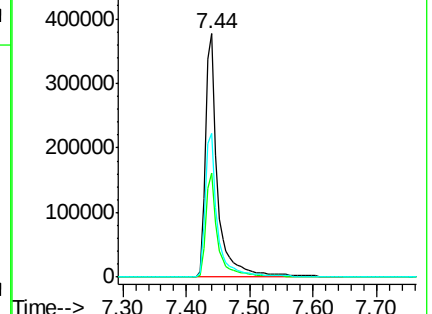
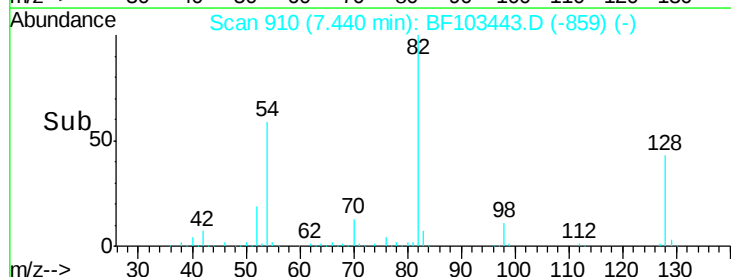
54 59.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.365 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampleId :

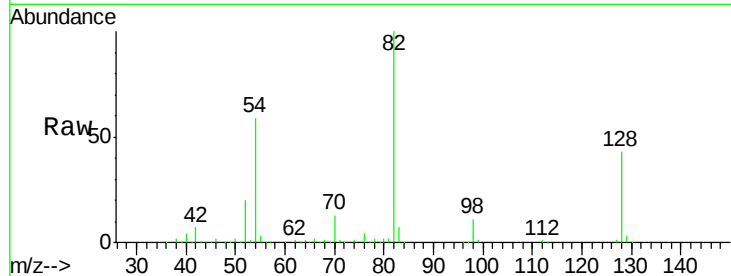
Tot Ion: 82 Resp: 500560

Ion Ratio Lower Upper

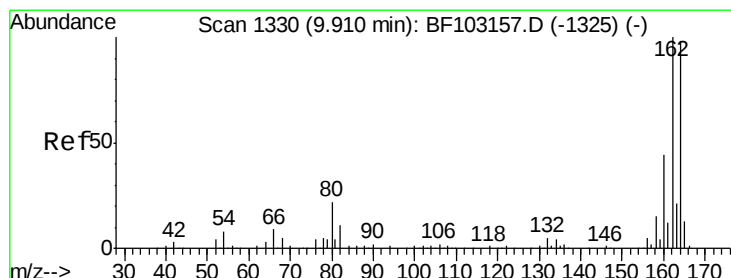
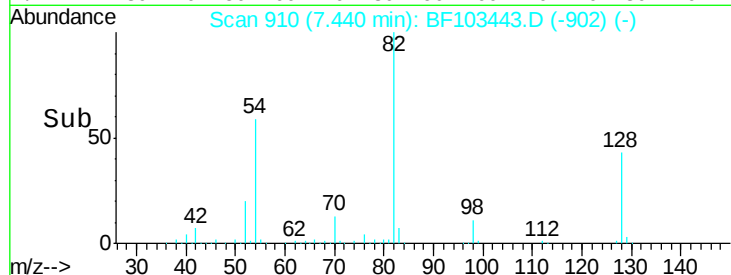
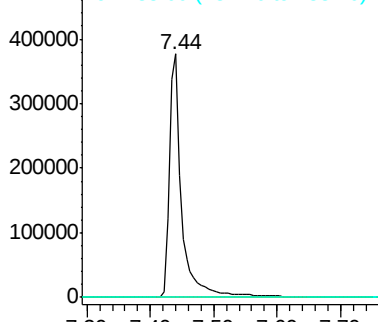
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

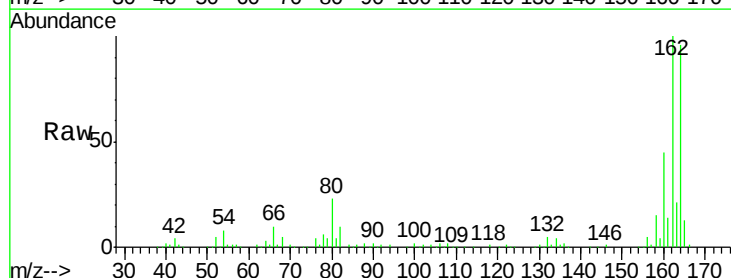
Tgt Ion: 164 Resp: 179482

Ion Ratio Lower Upper

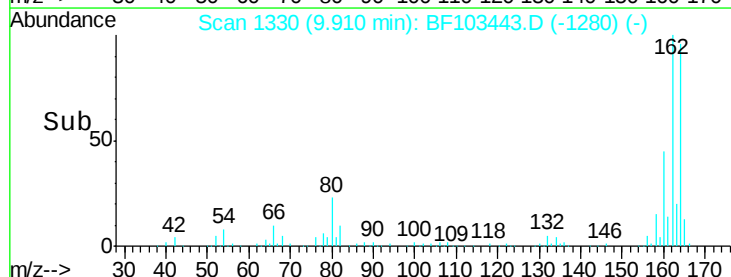
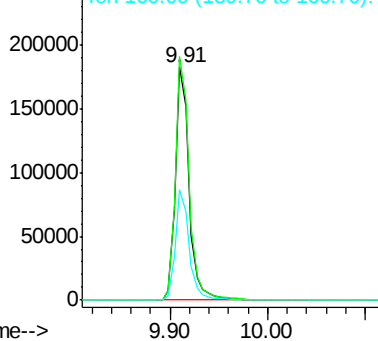
164 100

162 104.4 86.1 129.1

160 47.2 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

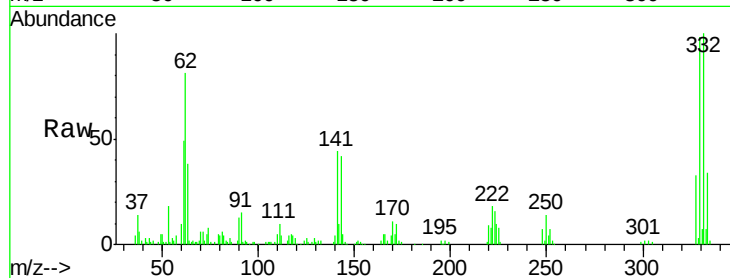




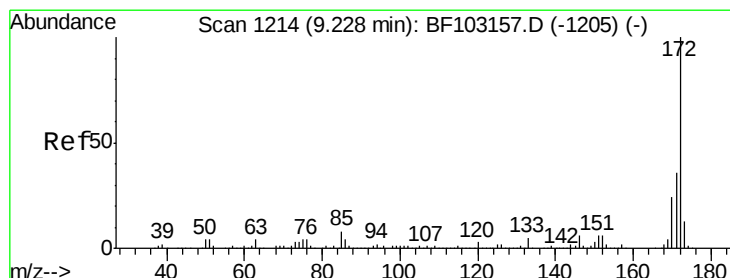
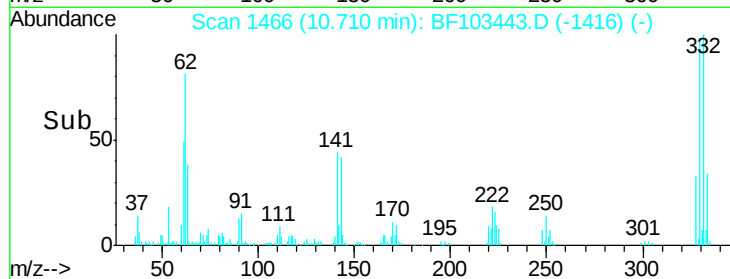
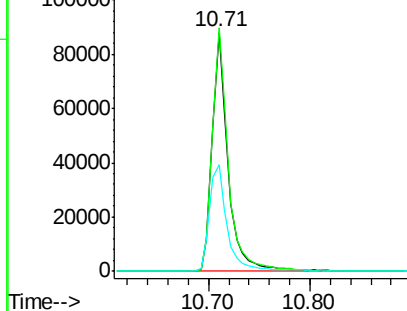
#41
 2,4,6-Tribromophenol
 Concen: 63.761 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103443.D
 Acq: 6 Mar 2018 8:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 96867
 Ion Ratio Lower Upper
 330 100
 332 102.7 77.0 115.6
 141 49.4 29.9 44.9#

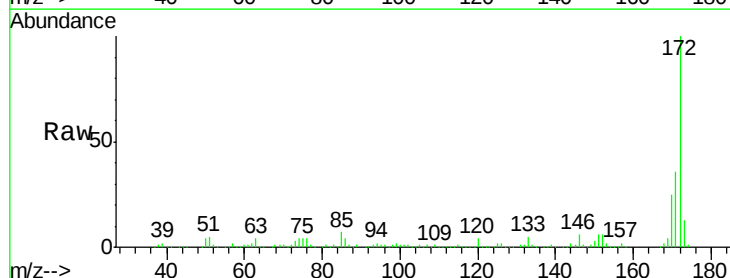


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

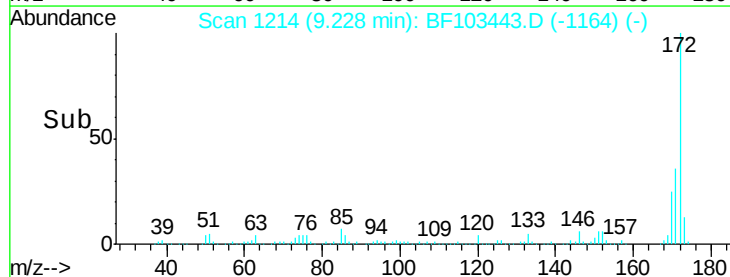
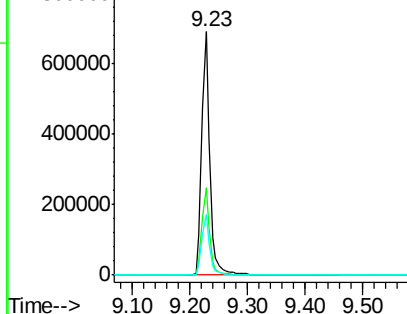


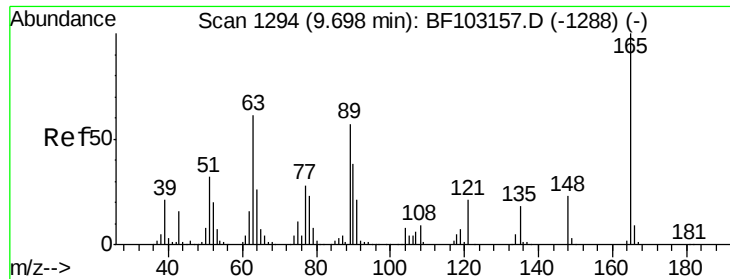
#44
 2-Fluorobiphenyl
 Concen: 61.901 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103443.D
 Acq: 6 Mar 2018 8:33

Tgt Ion:172 Resp: 689050
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.7 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

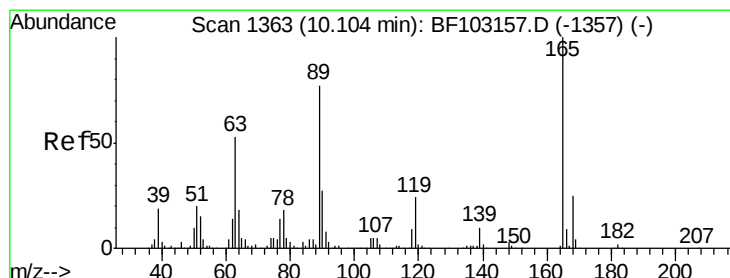
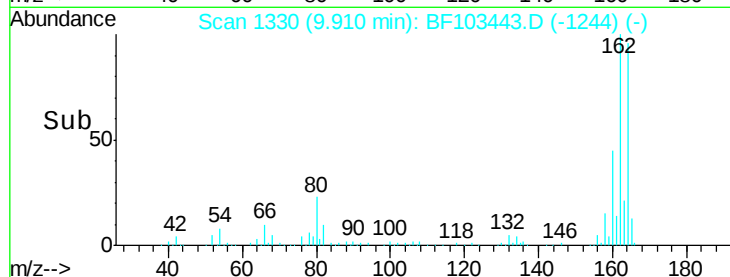
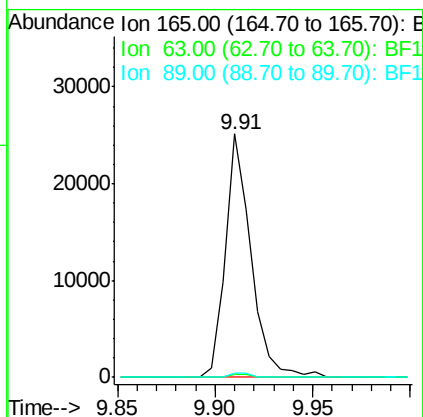
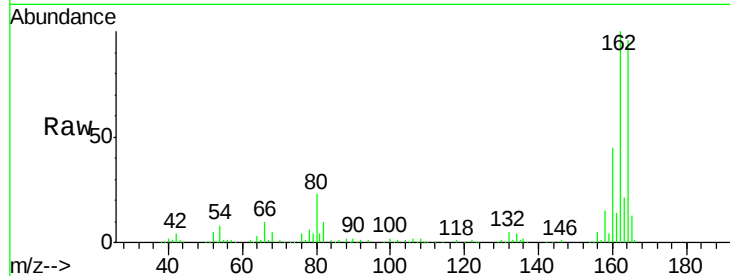




#50
2,6-Dinitrotoluene
Concen: 7.574 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

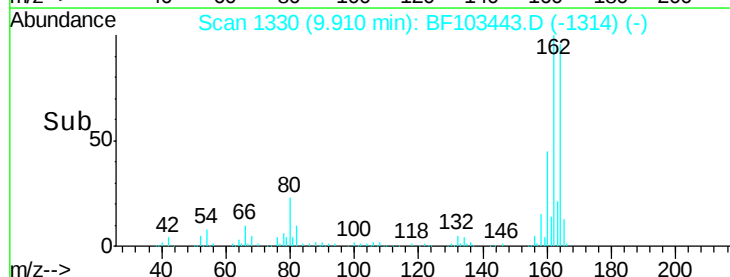
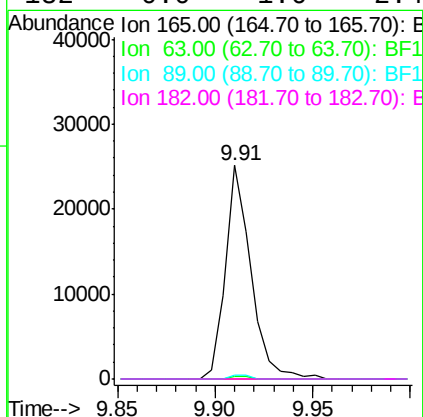
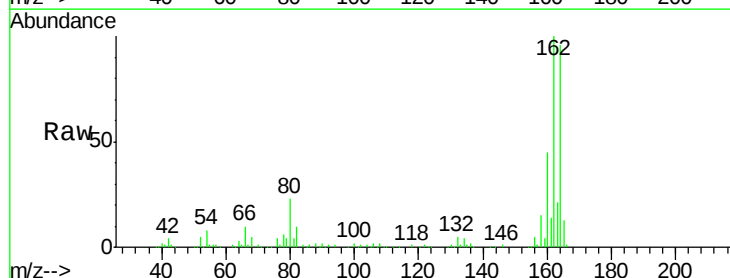
Instrument :
BNA_F
ClientSampleId :

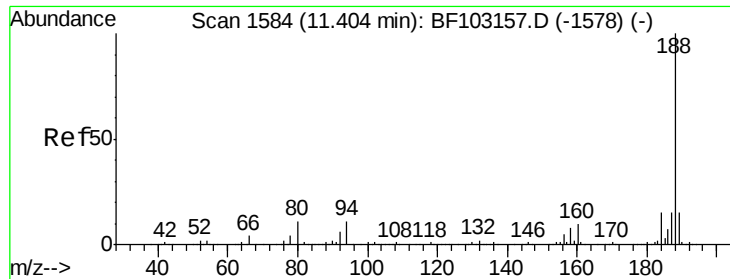
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.7	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.989 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampleId :

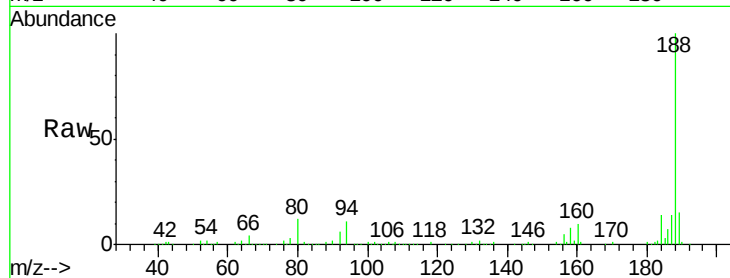
Tot Ion:188 Resp: 255991

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

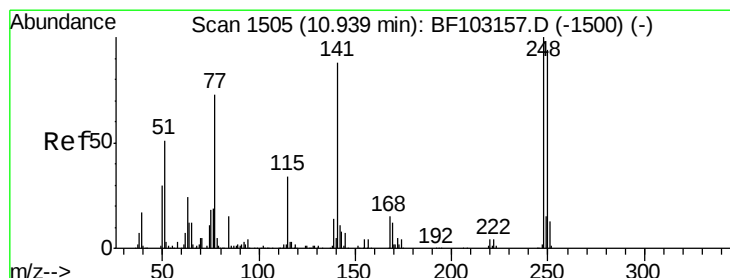
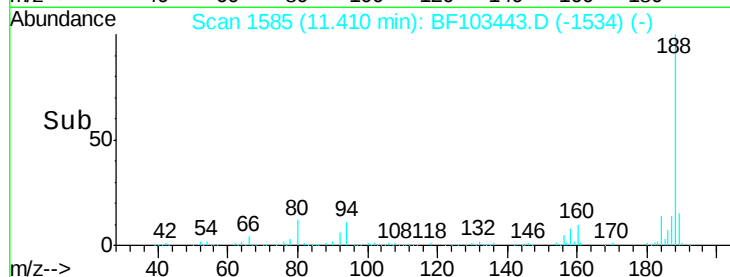
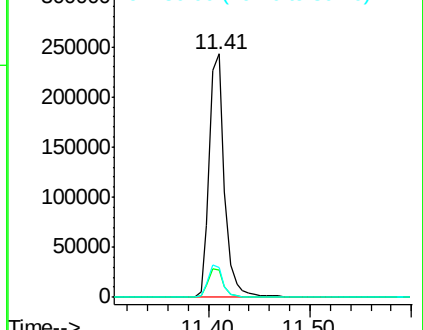
80 12.3 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 2.406 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

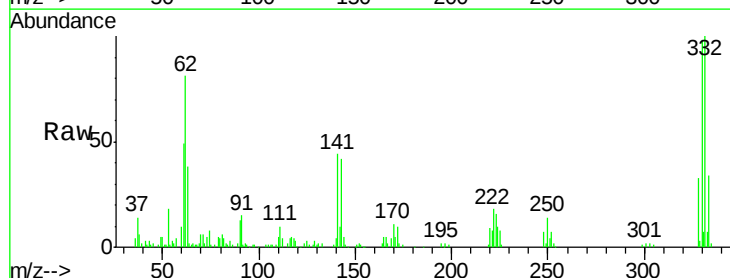
Tgt Ion:248 Resp: 6417

Ion Ratio Lower Upper

248 100

250 209.4 76.9 115.3#

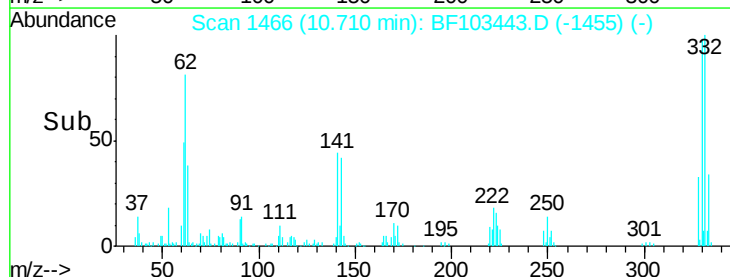
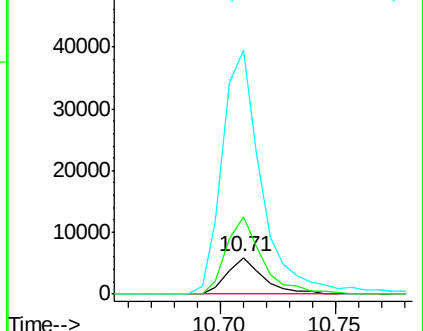
141 660.1 74.4 111.6#

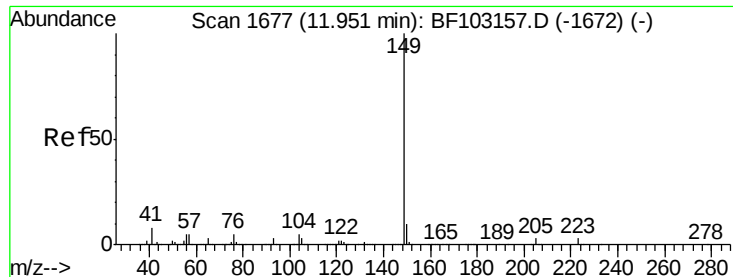


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

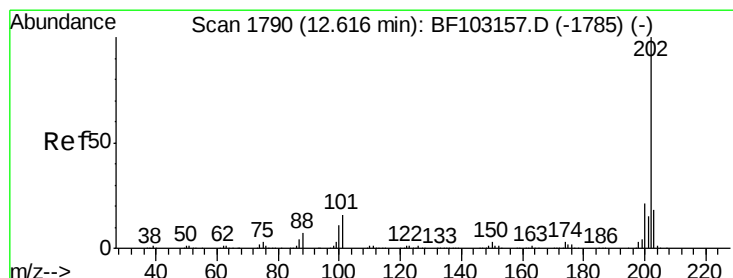
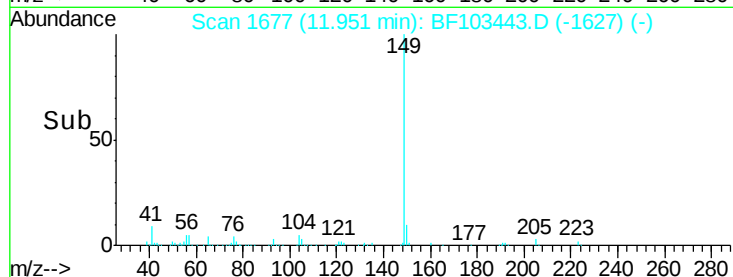
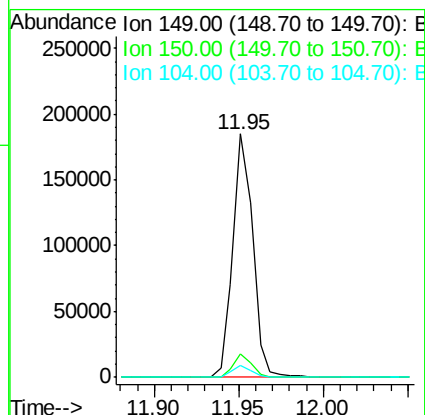
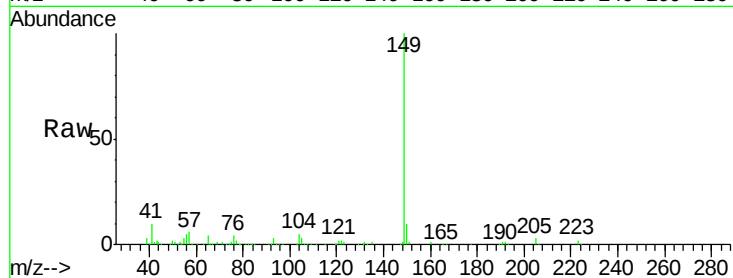




#73
Di-n-butylphthalate
Concen: 8.441 ng
RT: 11.95 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

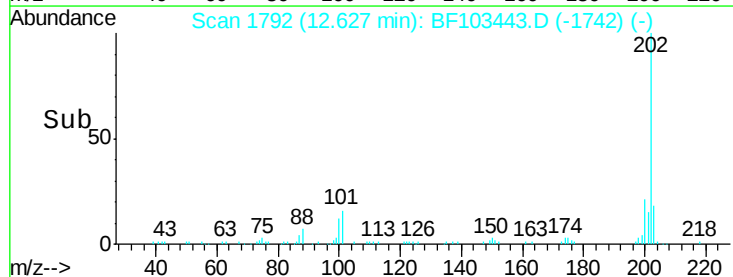
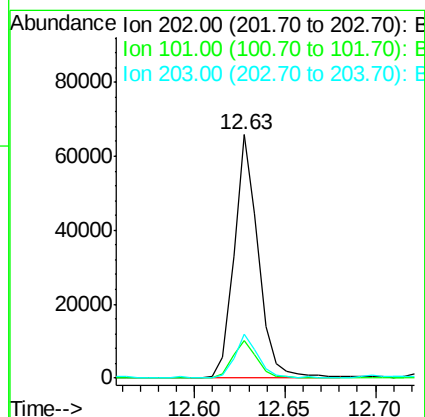
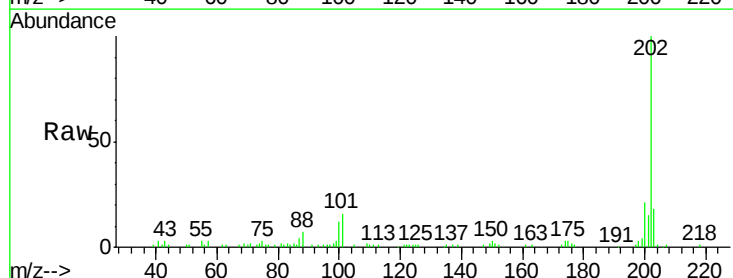
Instrument :
BNA_F
ClientSampleId :

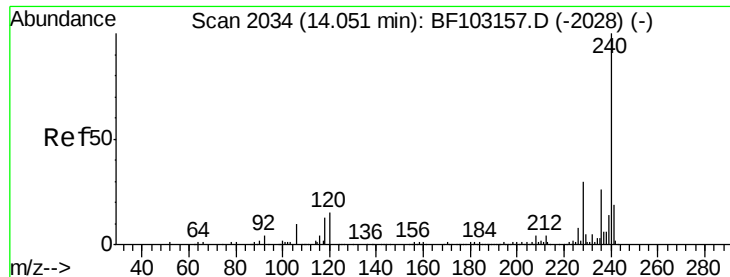
Tot Ion:149 Resp: 151948
Ion Ratio Lower Upper
149 100
150 9.5 7.8 11.6
104 5.1 3.8 5.8



#74
Fluoranthene
Concen: 4.306 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Tgt Ion:202 Resp: 60963
Ion Ratio Lower Upper
202 100
101 15.5 0.0 34.1
203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampled :

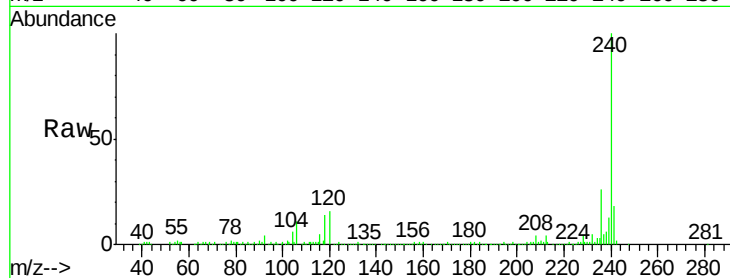
Tot Ion:240 Resp: 177311

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

236 26.2 20.7 31.1

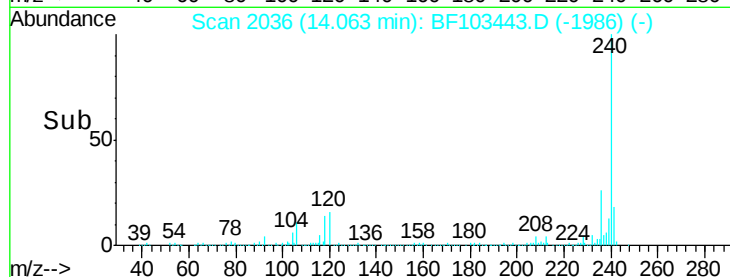


Abundance Ion 240.00 (239.70 to 240.70): E

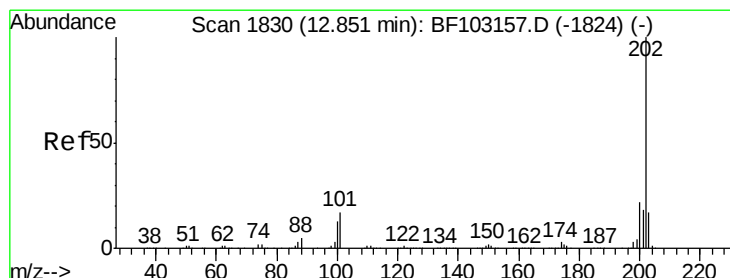
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.06



Time-->



#77

Pyrene

Concen: 4.602 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

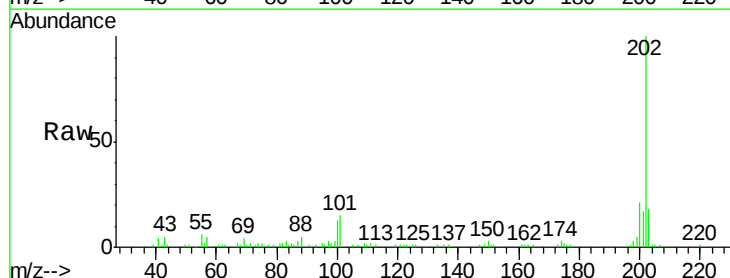
Tgt Ion:202 Resp: 63616

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.8 14.3 21.5

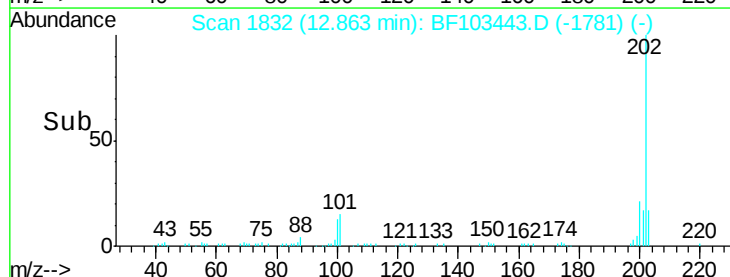


Abundance Ion 202.00 (201.70 to 202.70): E

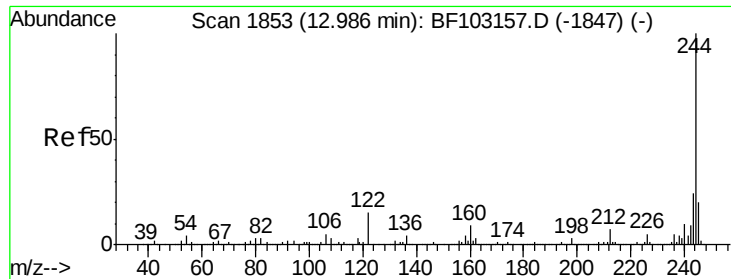
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.86



Time-->



#78

Terphenyl-d14

Concen: 64.893 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampleId :

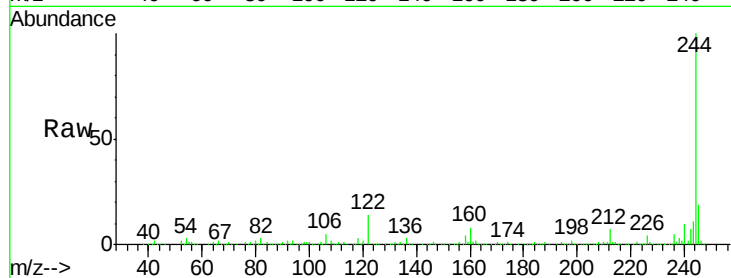
Tot Ion:244 Resp: 478654

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

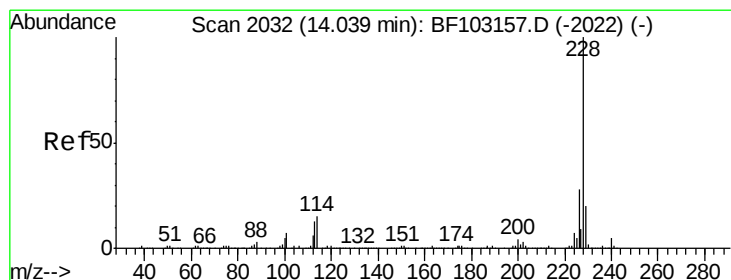
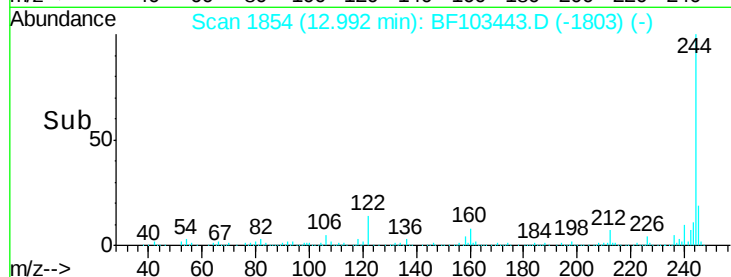
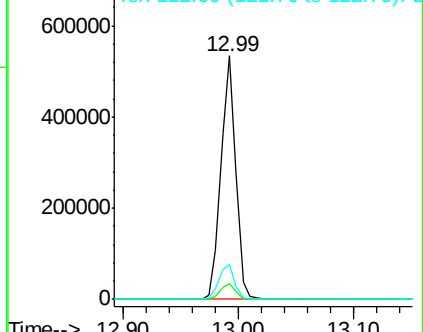
122 14.4 11.0 16.4



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: 2.307 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

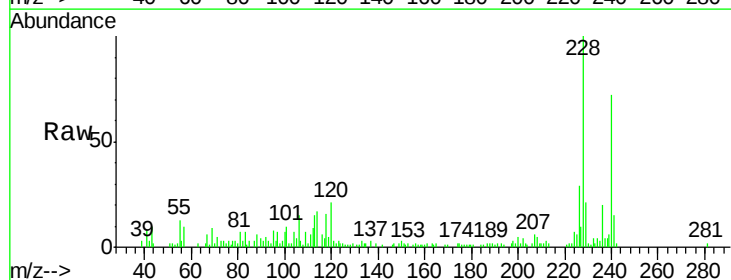
Tgt Ion:228 Resp: 26537

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

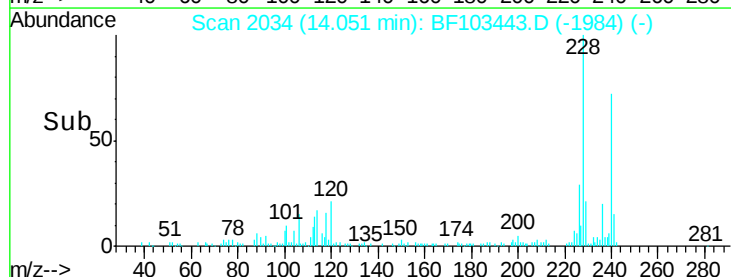
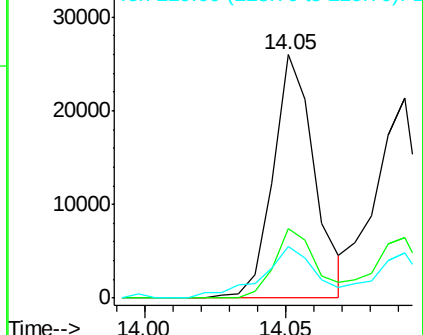
229 21.0 15.8 23.6

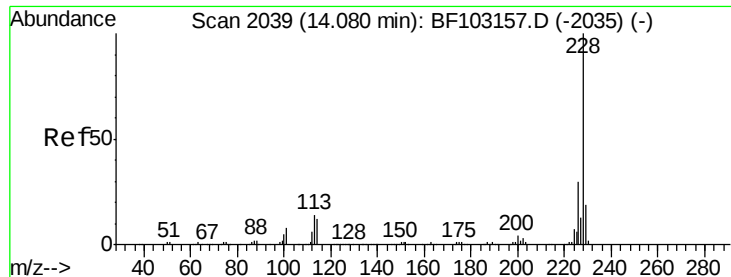


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

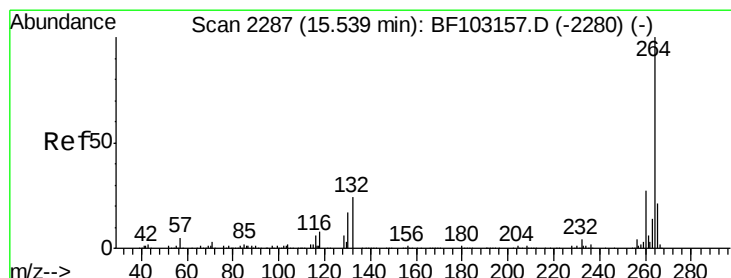
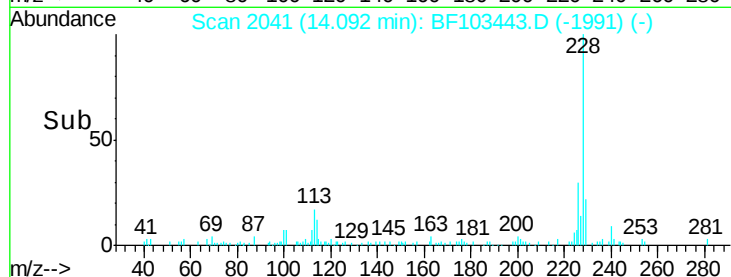
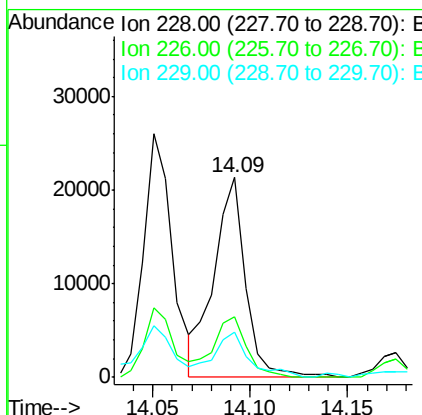
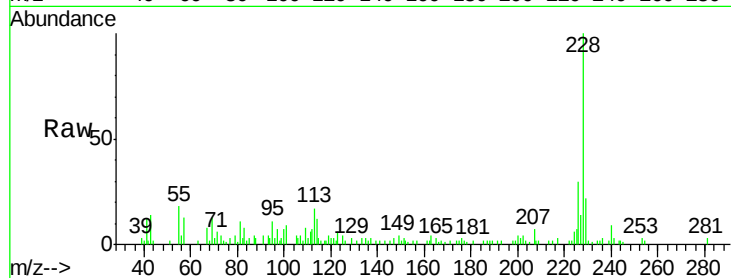




#82
Chrysene
Concen: 2.172 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

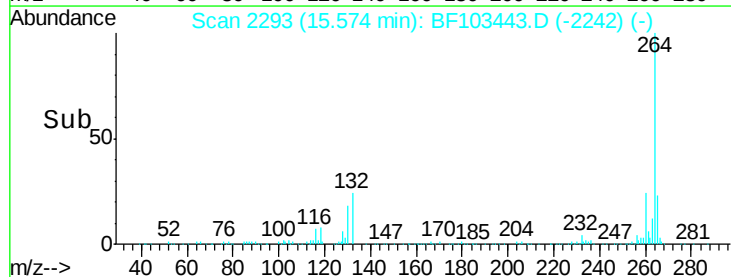
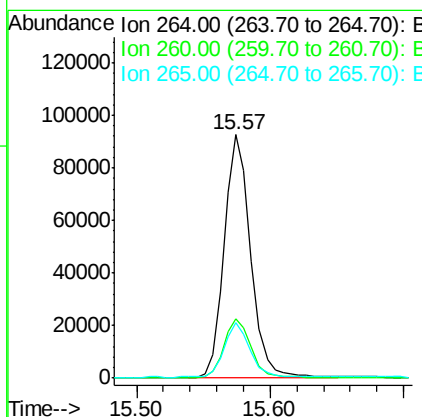
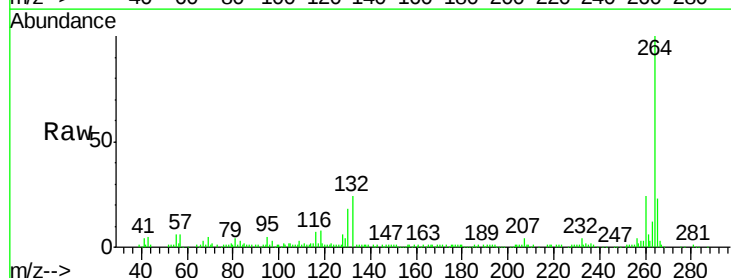
Instrument :
BNA_F
ClientSampleId :

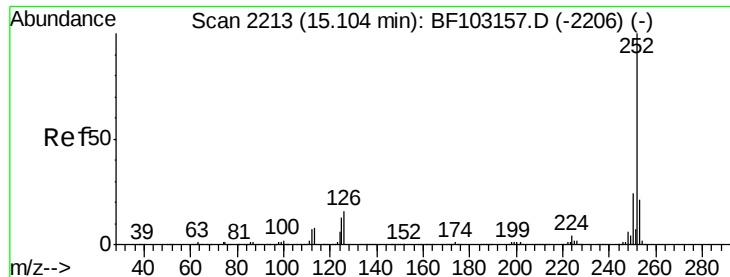
Tot Ion:228 Resp: 24260
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Tgt Ion:264 Resp: 129741
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.043 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

Instrument :

BNA_F

ClientSampleId :

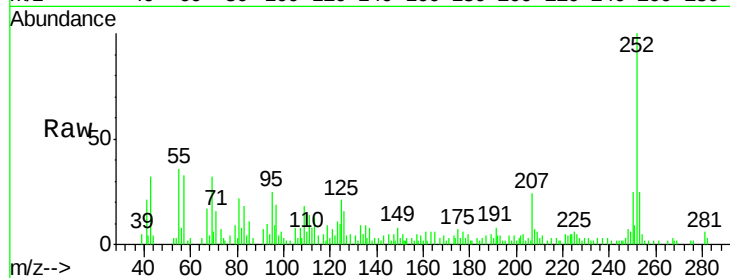
Tot Ion:252 Resp: 34489

Ion Ratio Lower Upper

252 100

253 25.5 17.0 25.6

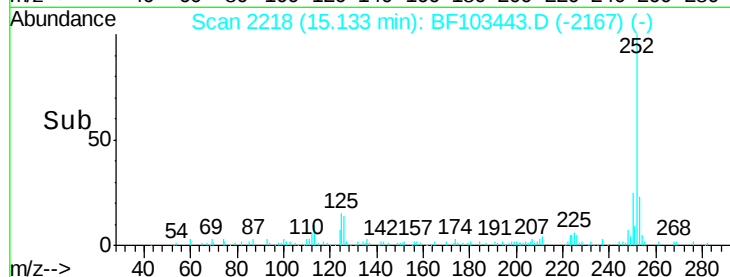
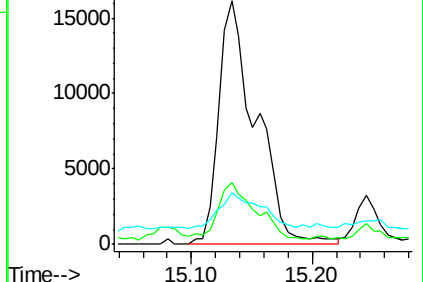
125 21.1 9.0 13.6#



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: 4.294 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF103443.D

Acq: 6 Mar 2018 8:33

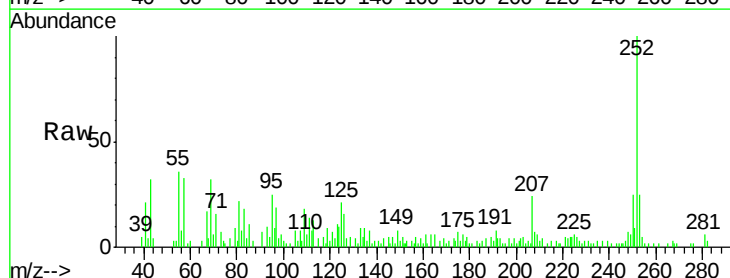
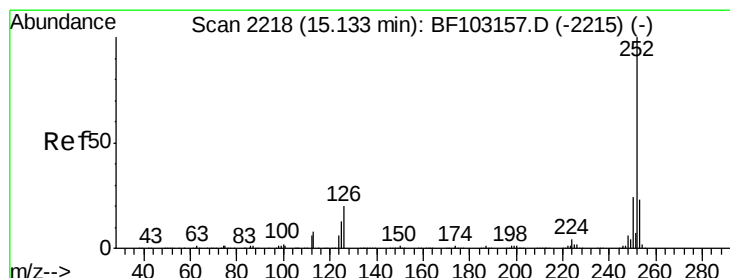
Tgt Ion:252 Resp: 34489

Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

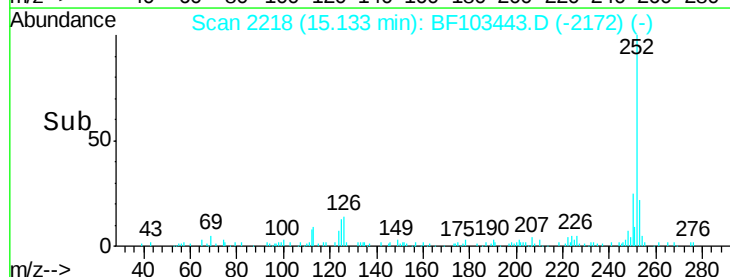
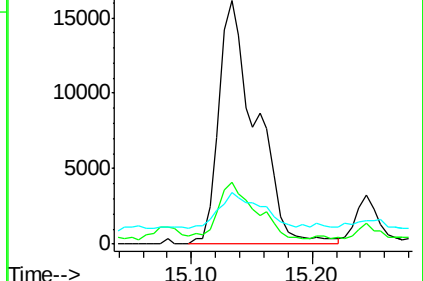
125 21.1 10.2 15.2#

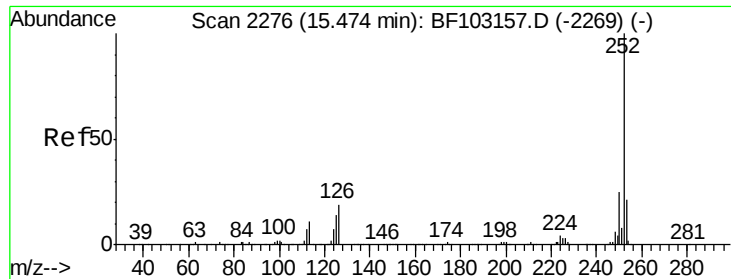


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

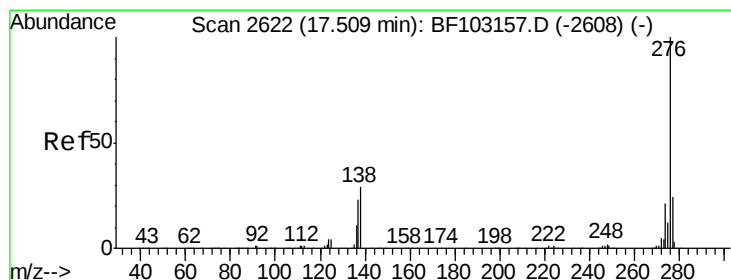
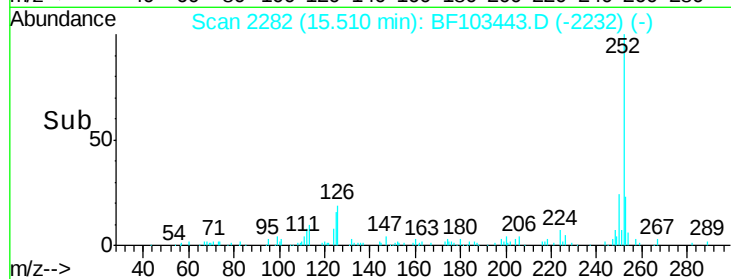
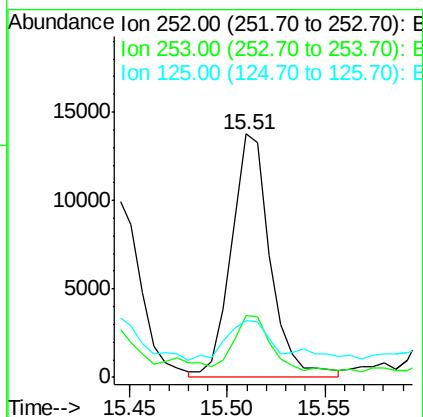
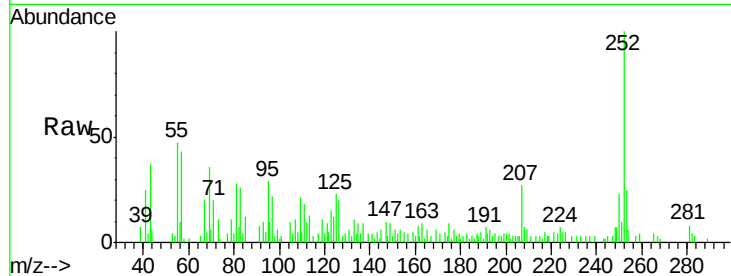




#89
Benzo(a)pyrene
Concen: 2.501 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 19053
Ion Ratio Lower Upper
252 100
253 25.3 17.1 25.7
125 23.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.075 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.01 min
Lab File: BF103443.D
Acq: 6 Mar 2018 8:33

Tgt Ion:276 Resp: 11939
Ion Ratio Lower Upper
276 100
277 24.5 17.9 26.9
138 27.4 21.8 32.8

