

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103644.D
 Acq On : 14 Mar 2018 16:51
 Operator : SJ/JU
 Sample : J1749-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 18:12:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	113578	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	500934	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	206644	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	311486	20.00	ng	0.00
75) Chrysene-d12	14.06	240	209643	20.00	ng	0.00
86) Perylene-d12	15.57	264	166396	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	782251	104.17	ng	0.00
7) Phenol-d6	6.50	99	1067529	116.17	ng	0.00
23) Nitrobenzene-d5	7.43	82	650097	74.11	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	128291	73.35	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	892697	71.66	ng	0.00
78) Terphenyl-d14	12.98	244	550673	63.14	ng	0.00

Target Compounds

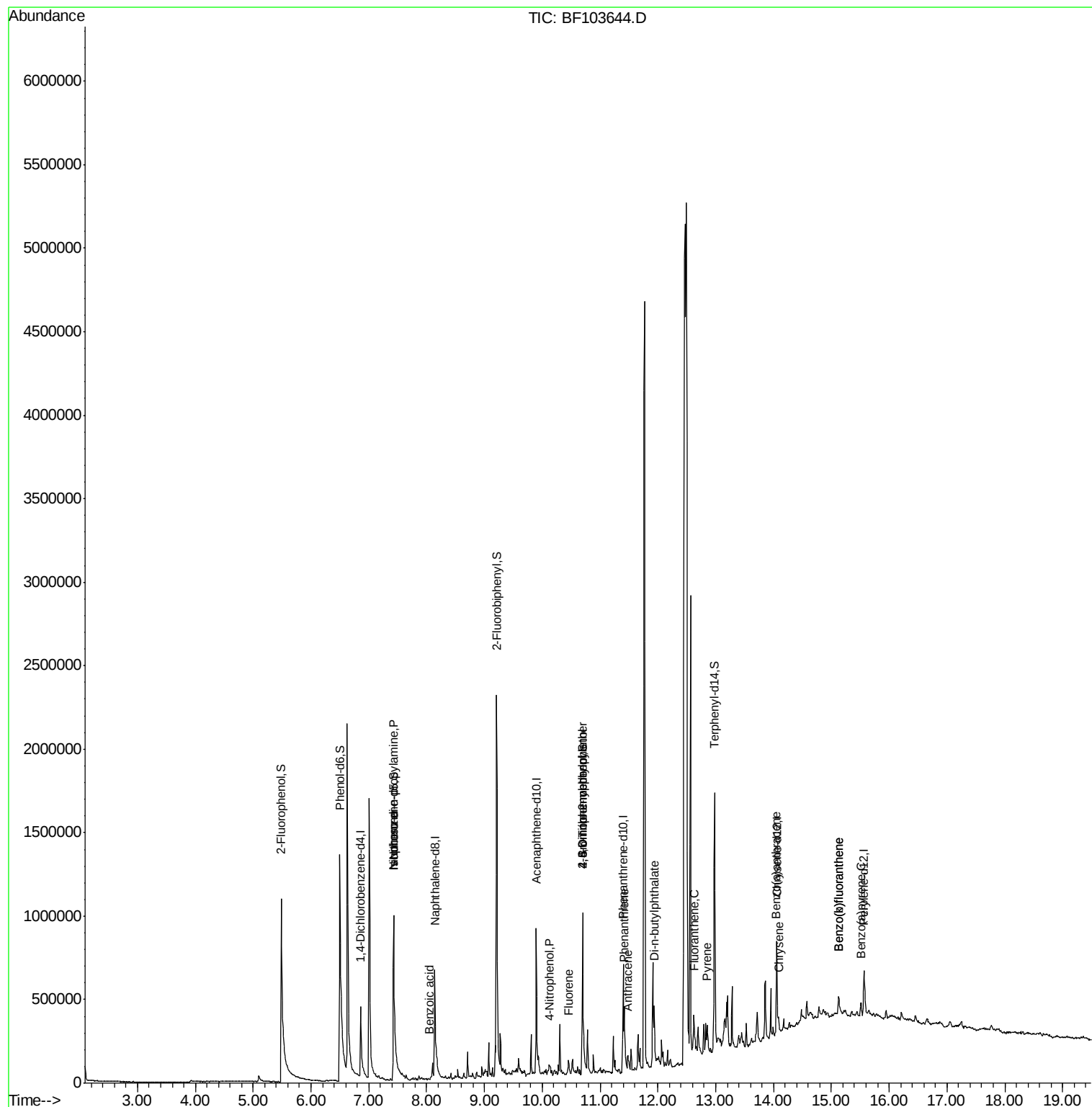
						Qvalue
9) Benzaldehyde	6.50	77	1378	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	79442	13.891 ng	#	87
25) Isophorone	7.43	82	650097	37.630 ng	#	64
32) Benzoic acid	8.05	122	107	6.932 ng	#	50
55) 4-Nitrophenol	10.12	139	10741	3.927 ng	#	21
57) Fluorene	10.45	166	37280	2.594 ng		98
64) 4,6-Dinitro-2-methylphenol	10.70	198	275	5.075 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	9241	2.848 ng	#	1
70) Phenanthrene	11.42	178	146699	8.558 ng		97
71) Anthracene	11.48	178	63441	3.609 ng		97
73) Di-n-butylphthalate	11.94	149	153085	6.989 ng		99
74) Fluoranthene	12.62	202	96138	5.581 ng		98
77) Pvrene	12.86	202	75728	4.633 ng		97
80) Benzo(a)anthracene	14.04	228	34332	2.524 ng	#	91
82) Chrysene	14.09	228	28163	2.132 ng	#	92
87) Benzo(b)fluoranthene	15.13	252	38197	3.491 ng	#	78
88) Benzo(k)fluoranthene	15.13	252	38197	3.708 ng	#	81
89) Benzo(a)pyrene	15.51	252	19582	2.004 ng	#	73

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

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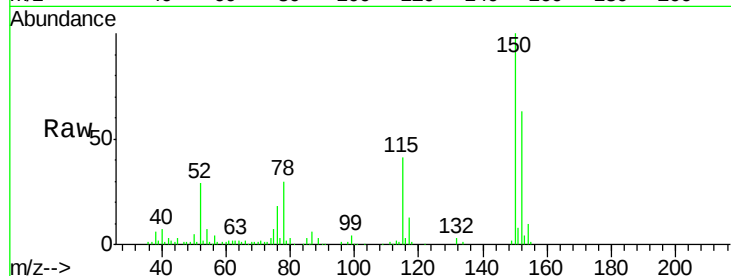


#1

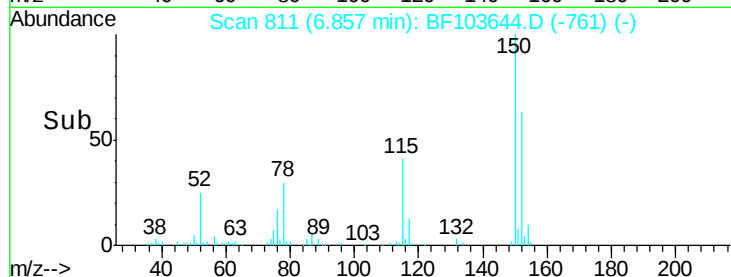
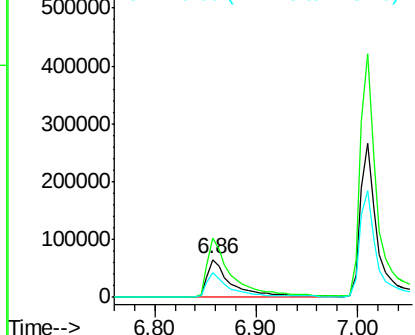
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113578
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 65.4 50.1 75.1



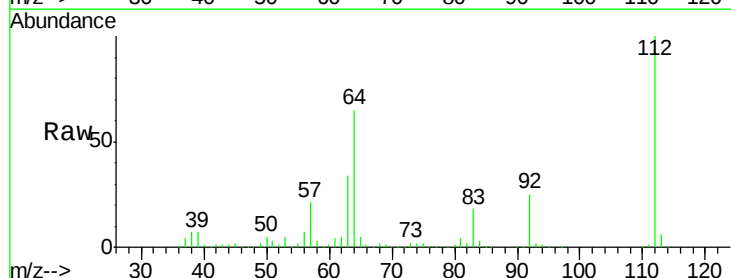
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



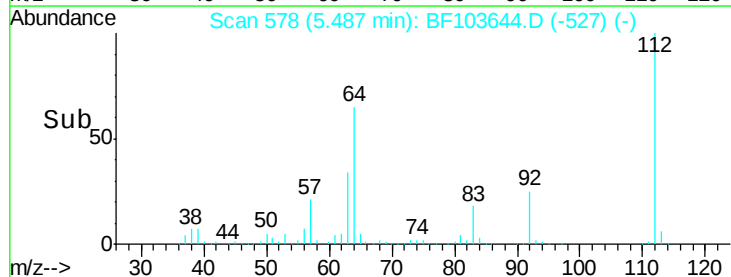
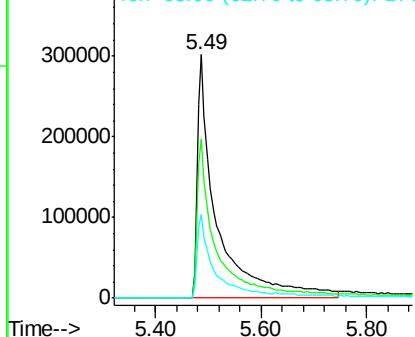
#5

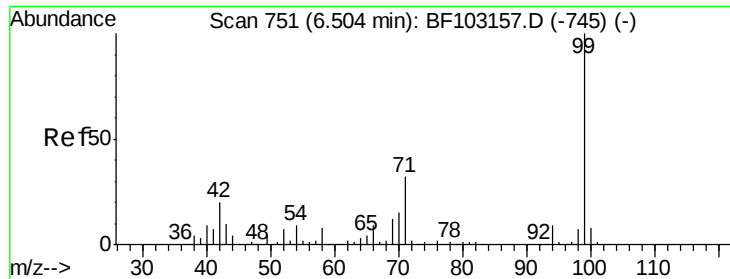
2-Fluorophenol
Concen: 104.166 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion:112 Resp: 782251
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 34.5 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: 116.172 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

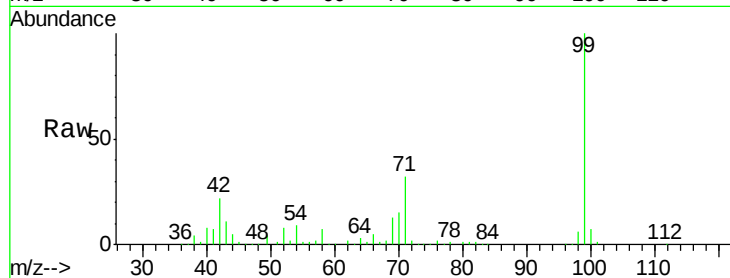
Tot Ion: 99 Resp: 1067529

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

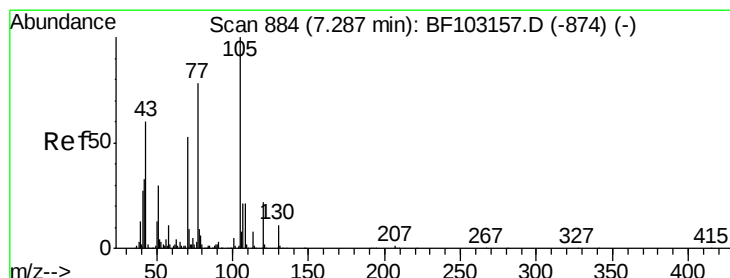
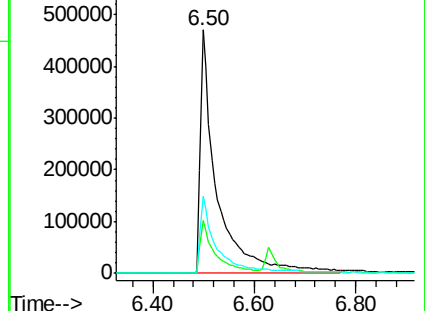
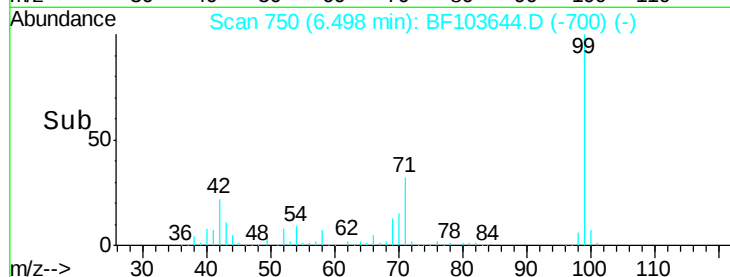
71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.891 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.16 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Tgt Ion: 70 Resp: 79442

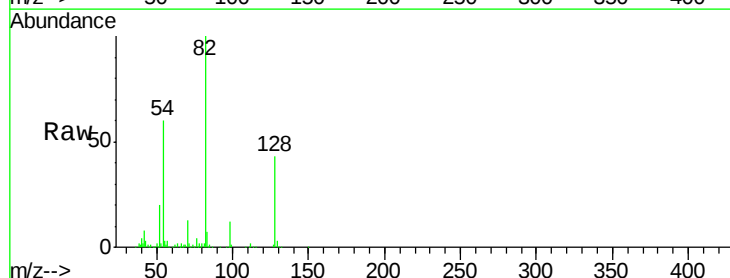
Ion Ratio Lower Upper

70 100

42 61.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

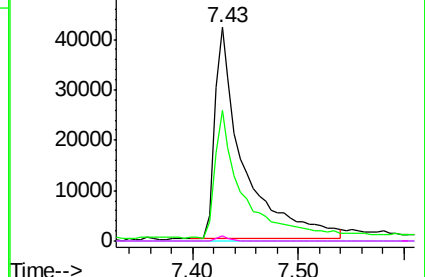
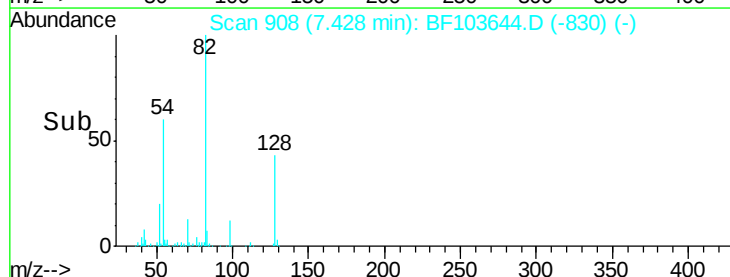


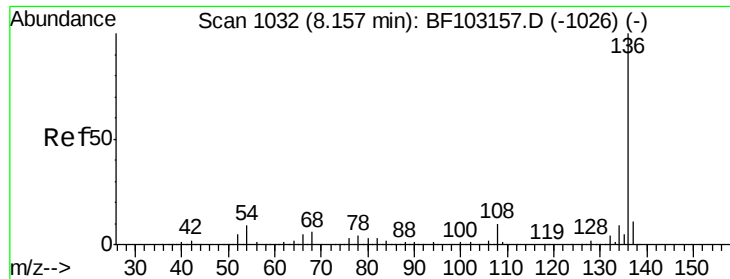
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

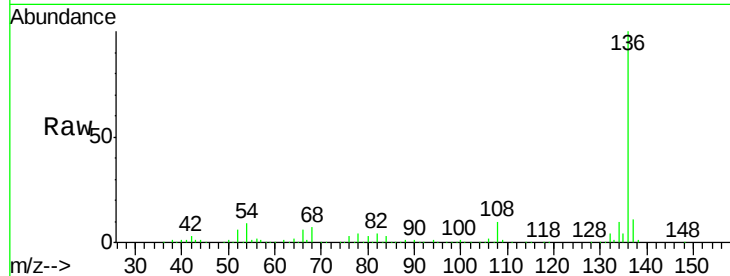




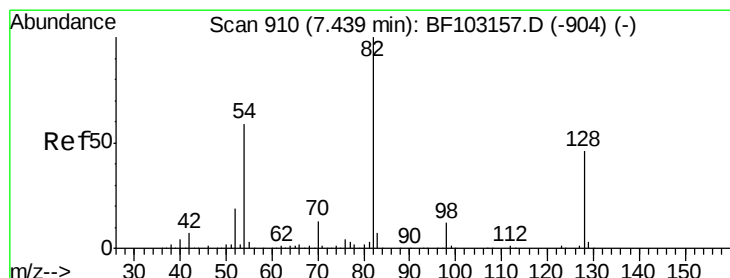
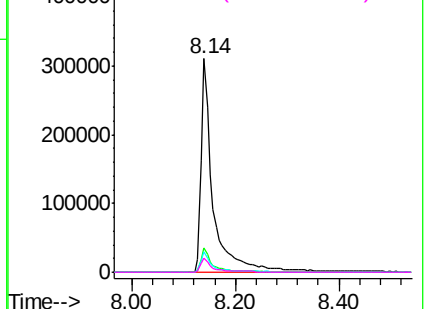
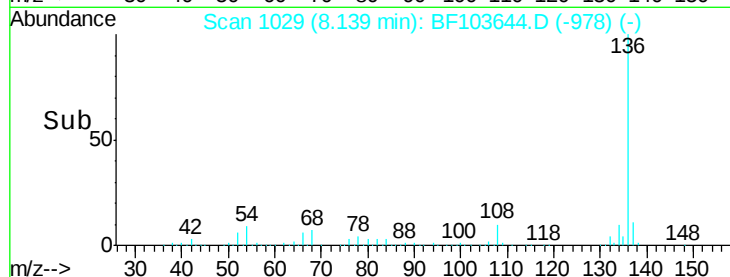
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	500934
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	9.5	6.6 9.8
68	6.6	5.0 7.4

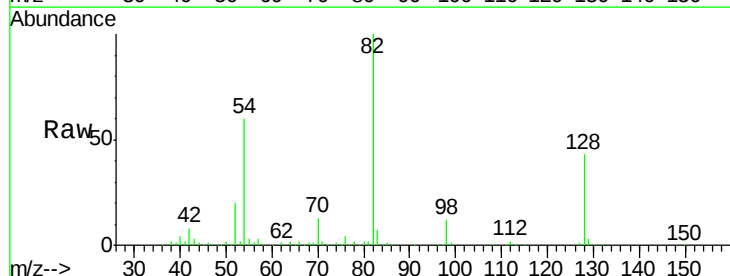


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

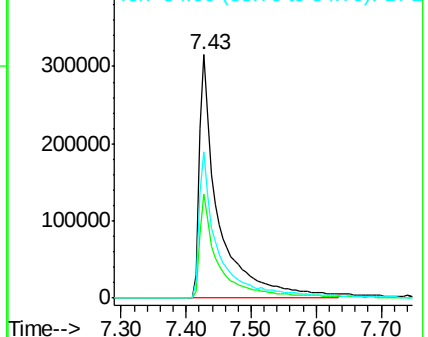
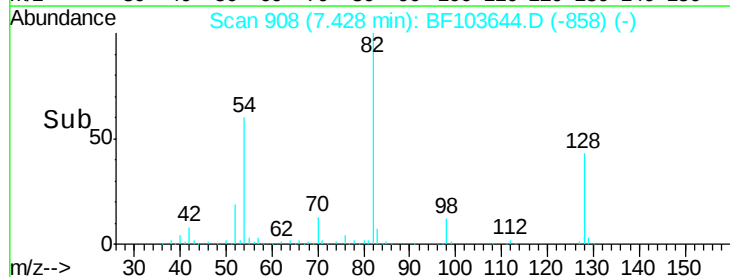


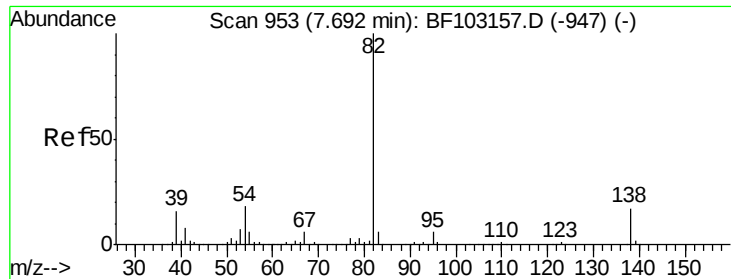
#23
Nitrobenzene-d5
Concen: 74.114 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion: 82	Resp:	650097
Ion Ratio	Lower	Upper
82	100	
128	42.8	36.1 54.1
54	59.9	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: 37.630 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.25 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

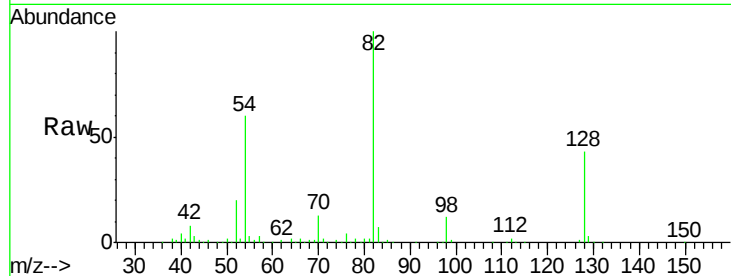
Tot Ion: 82 Resp: 650097

Ion Ratio Lower Upper

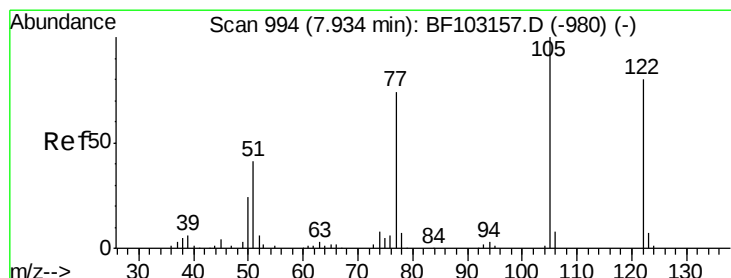
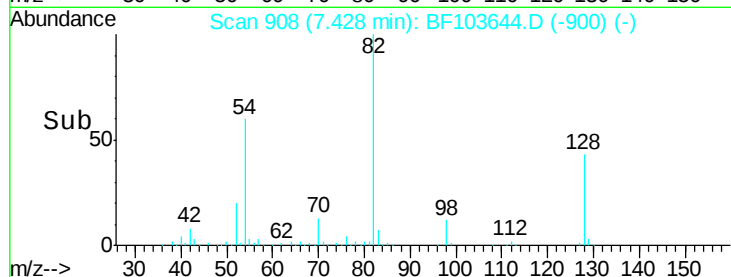
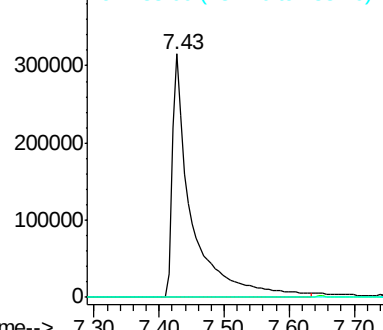
82 100

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



#32

Benzoic acid

Concen: 6.932 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.08 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

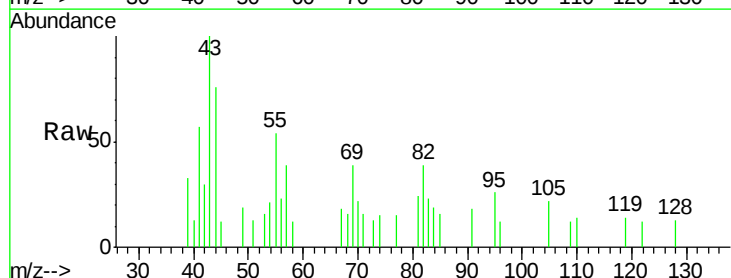
Tgt Ion: 122 Resp: 107

Ion Ratio Lower Upper

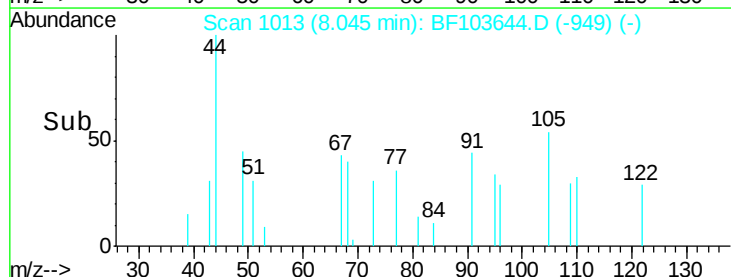
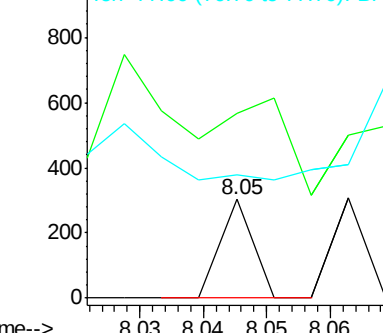
122 100

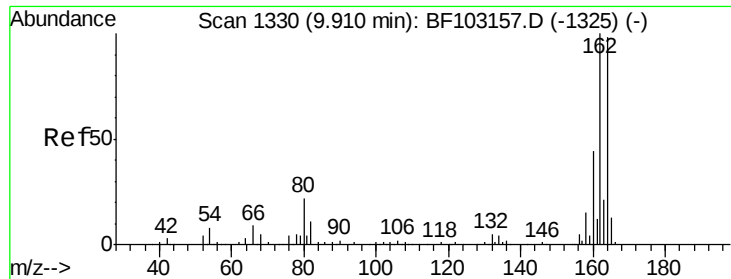
105 187.5 101.1 141.1#

77 125.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

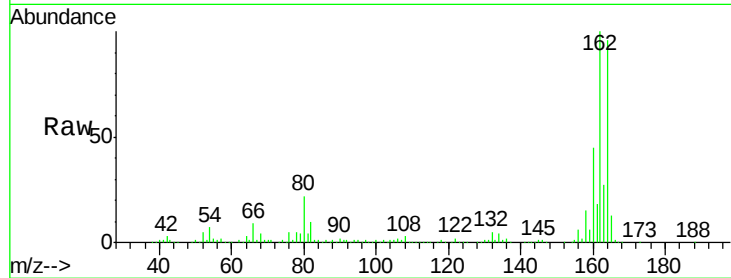
Tot Ion:164 Resp: 206644

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

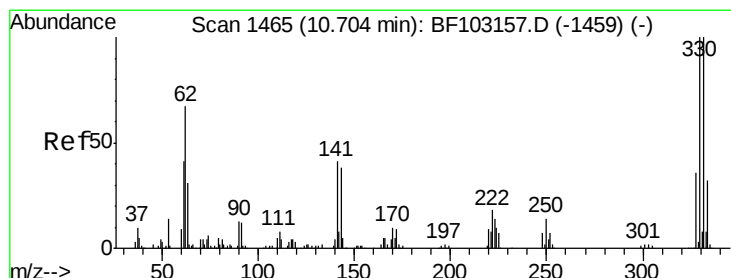
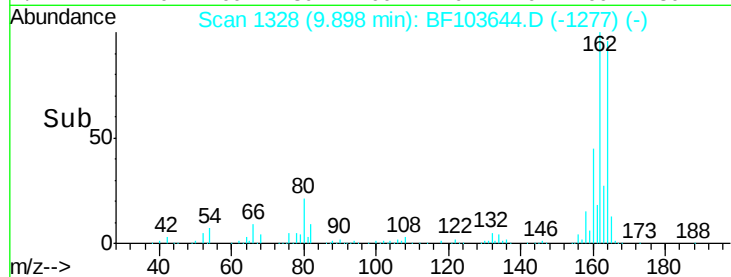
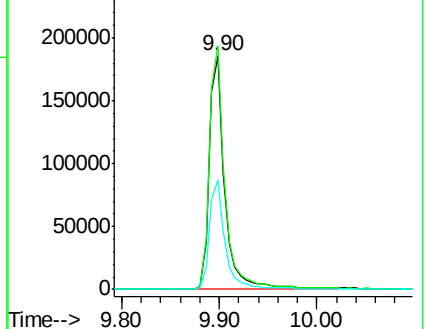
160 47.0 38.3 57.5



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: 73.346 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

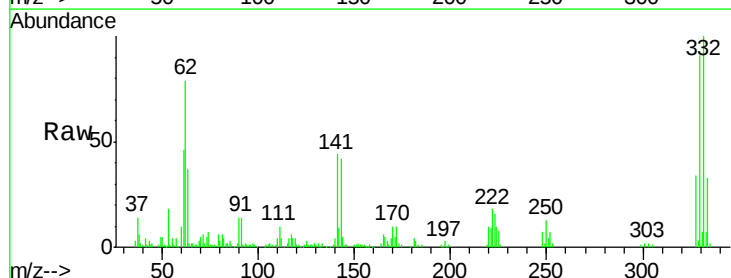
Tgt Ion:330 Resp: 128291

Ion Ratio Lower Upper

330 100

332 107.5 77.0 115.6

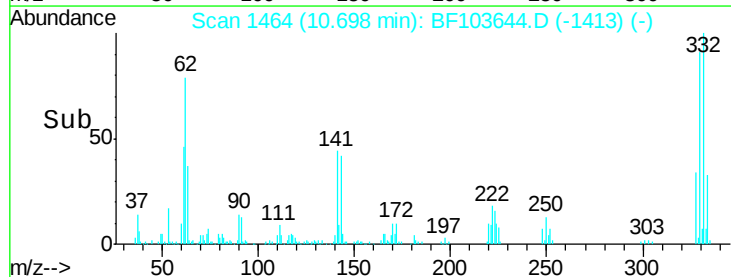
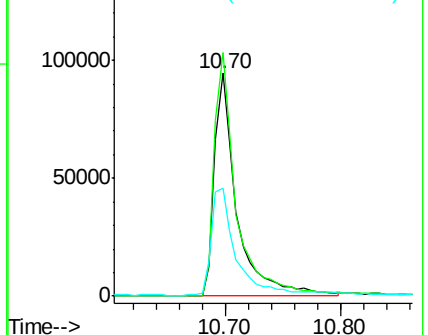
141 53.5 29.9 44.9#

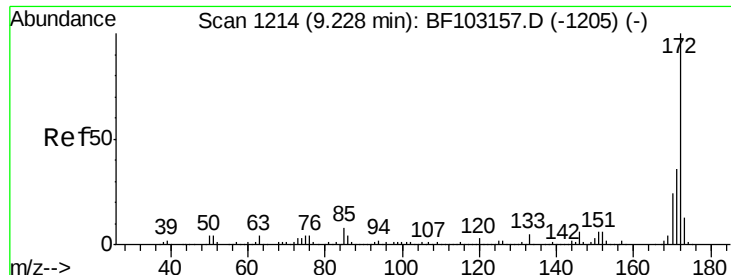


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

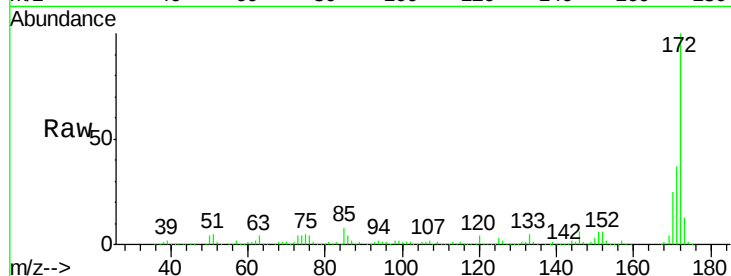




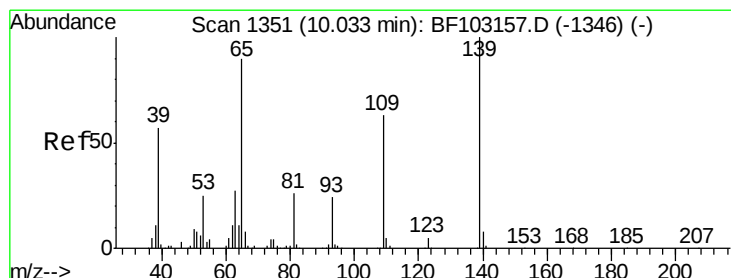
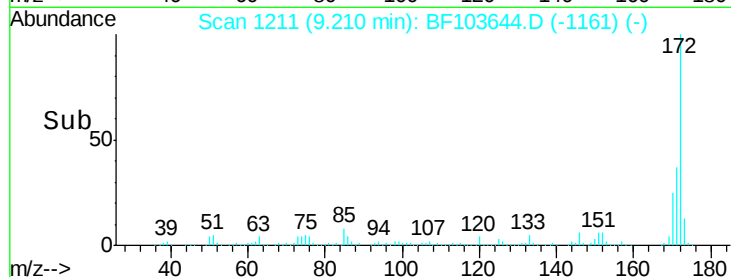
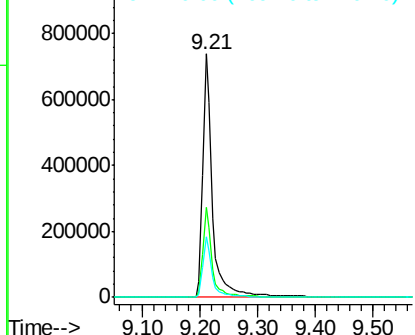
#44
2-Fluorobiphenyl
Concen: 71.662 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 892697
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 25.1 19.6 29.4

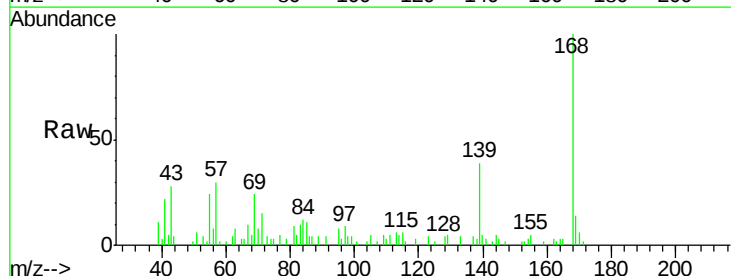


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

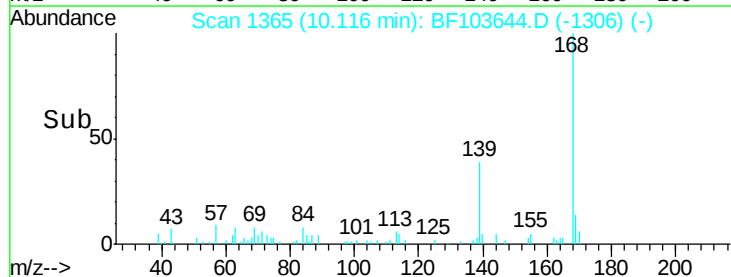
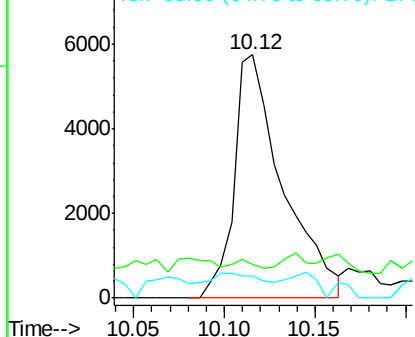


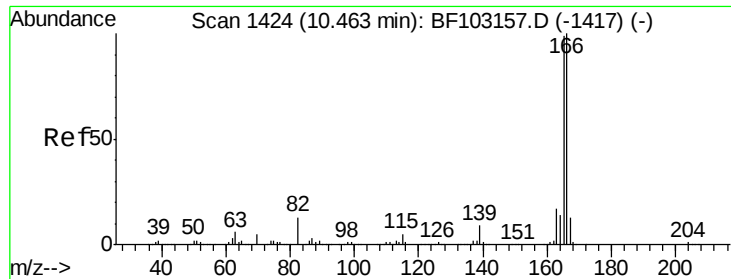
#55
4-Nitrophenol
Concen: 3.927 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.05 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion:139 Resp: 10741
Ion Ratio Lower Upper
139 100
109 13.8 48.4 88.4#
65 9.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

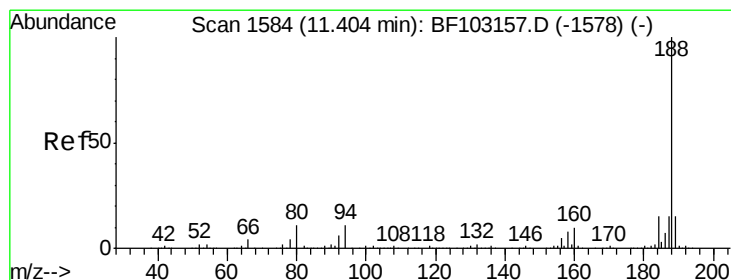
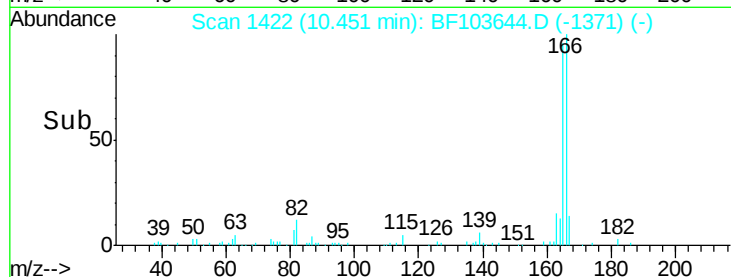
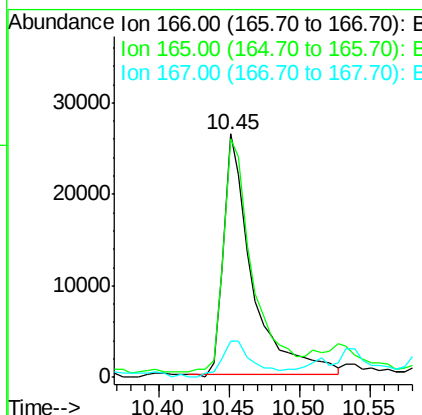
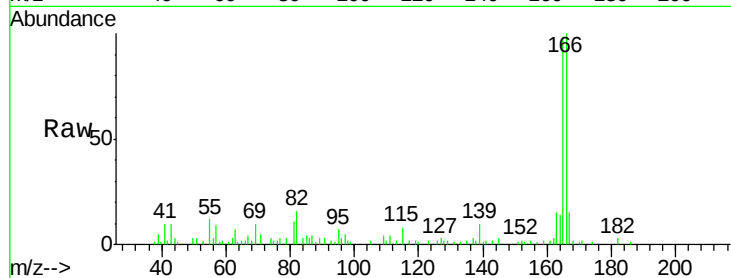




#57
 Fluorene
 Concen: 2.594 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF103644.D
 Acq: 14 Mar 2018 16:51

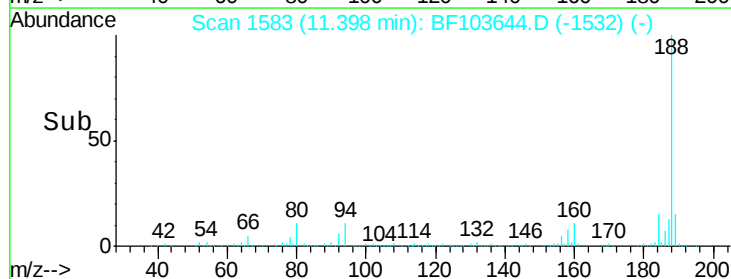
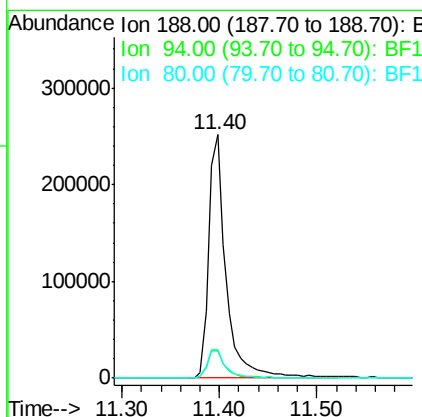
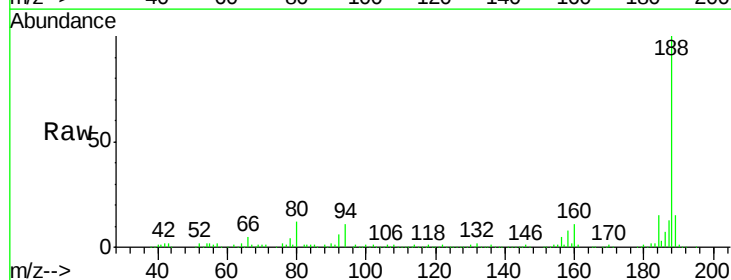
Instrument :
 BNA_F
 ClientSampleId :

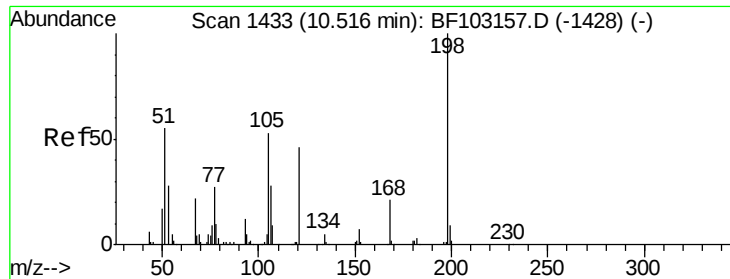
Tot Ion:166 Resp: 37280
 Ion Ratio Lower Upper
 166 100
 165 98.0 79.8 119.8
 167 14.9 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF103644.D
 Acq: 14 Mar 2018 16:51

Tgt Ion:188 Resp: 311486
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.6 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.075 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.16 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

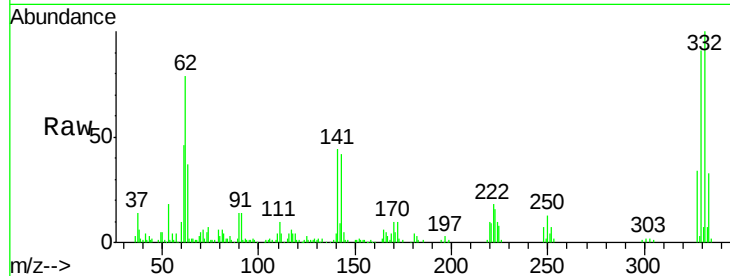
Tot Ion:198 Resp: 275

Ion Ratio Lower Upper

198 100

51 268.8 37.7 77.7#

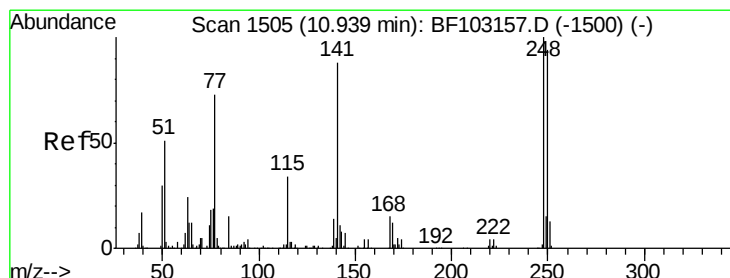
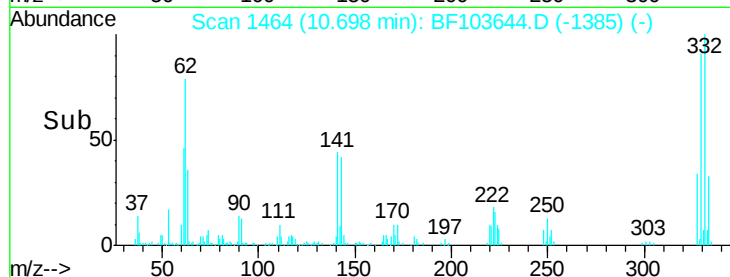
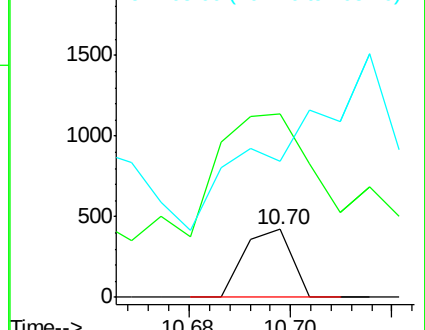
105 198.6 36.3 76.3#



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: 2.848 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.23 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

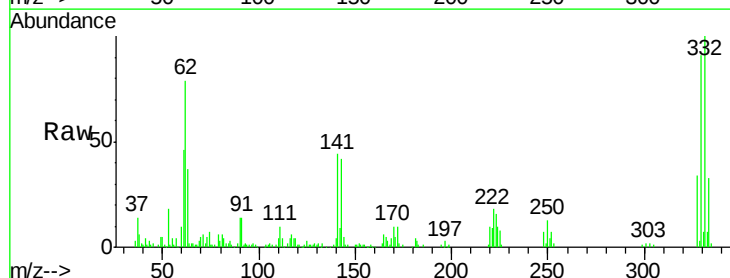
Tgt Ion:248 Resp: 9241

Ion Ratio Lower Upper

248 100

250 185.9 76.9 115.3#

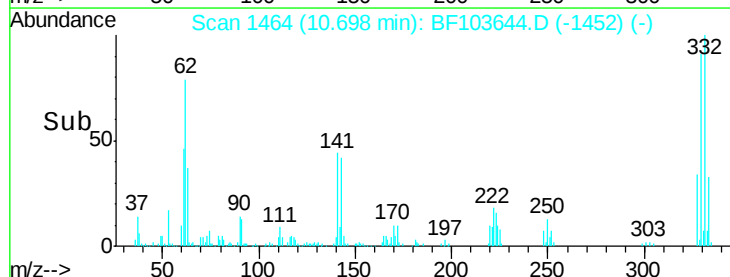
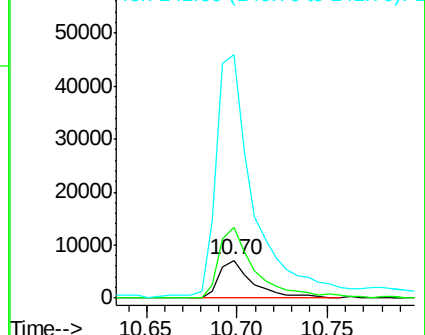
141 638.7 74.4 111.6#

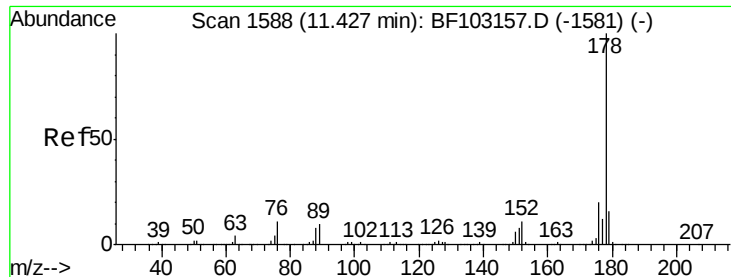


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.558 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

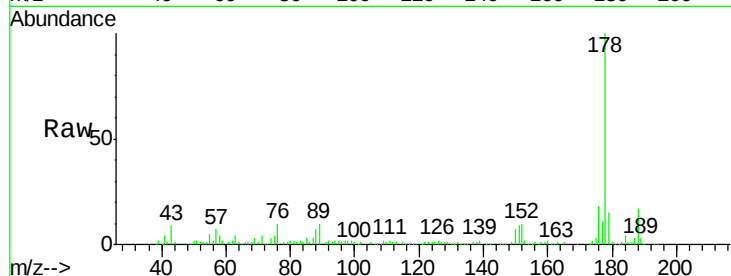
Tot Ion:178 Resp: 146699

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.5	13.0	19.6

178 100

176 18.2 15.8 23.8

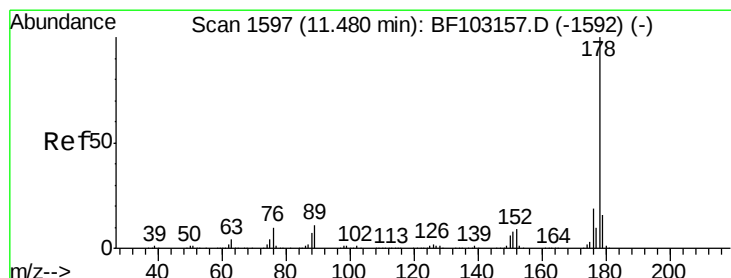
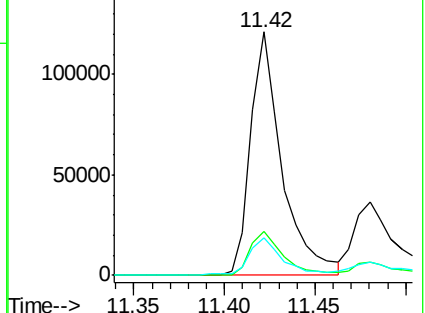
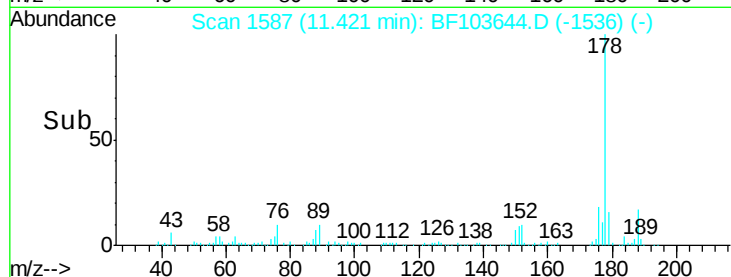
179 15.5 13.0 19.6



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: 3.609 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

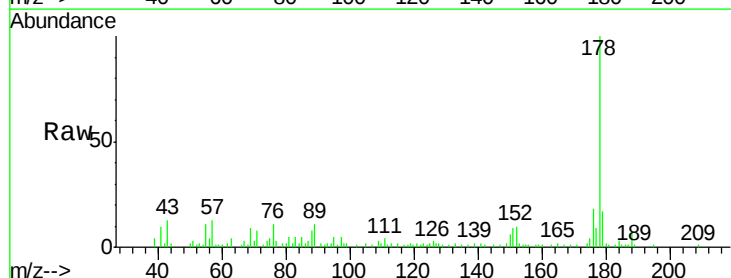
Tgt Ion:178 Resp: 63441

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	17.2	12.6	19.0

178 100

176 17.9 15.4 23.2

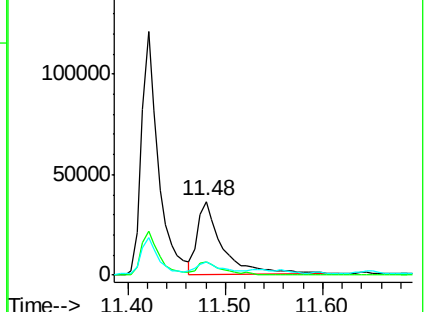
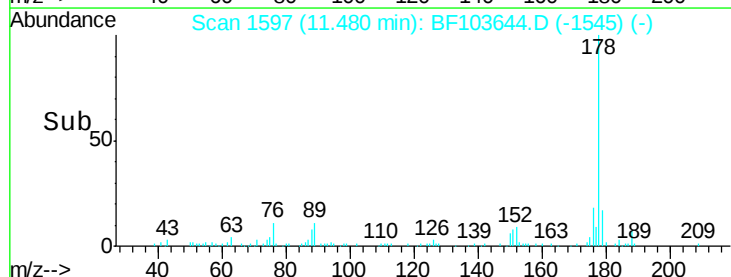
179 17.2 12.6 19.0

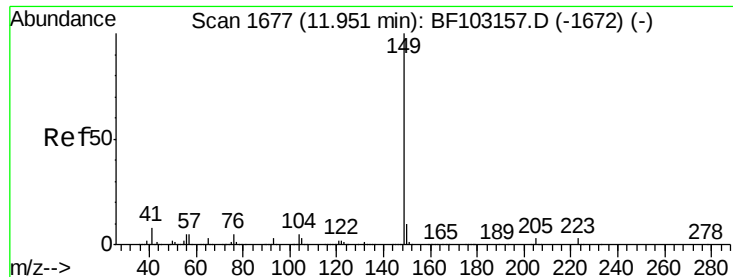


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

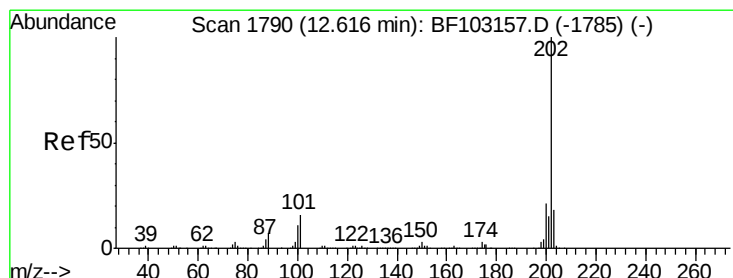
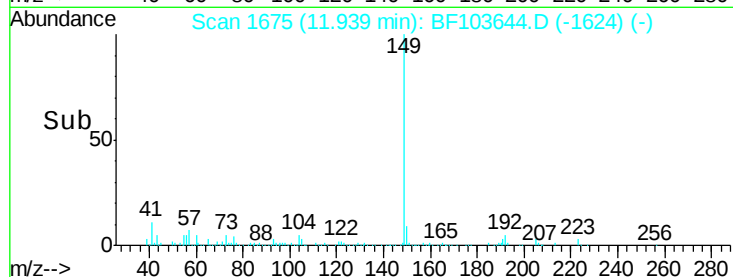
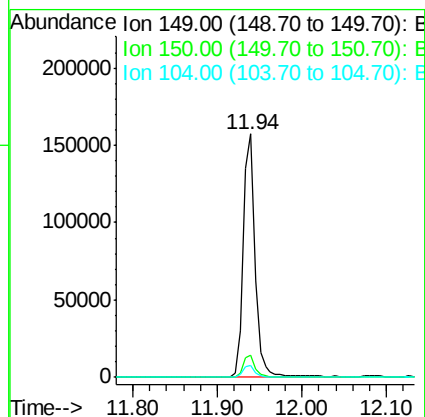
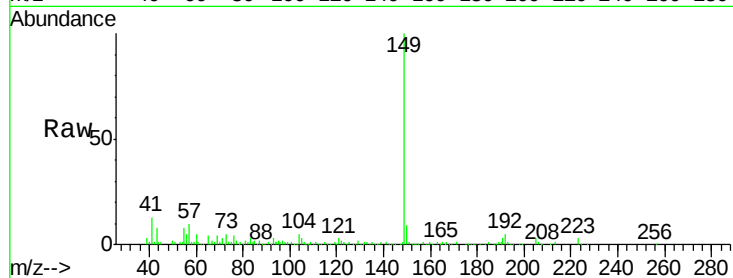




#73
Di-n-butylphthalate
Concen: 6.989 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

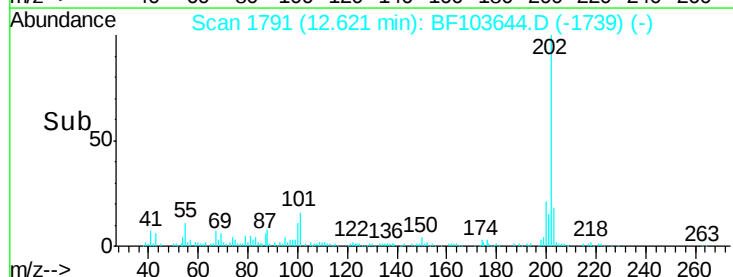
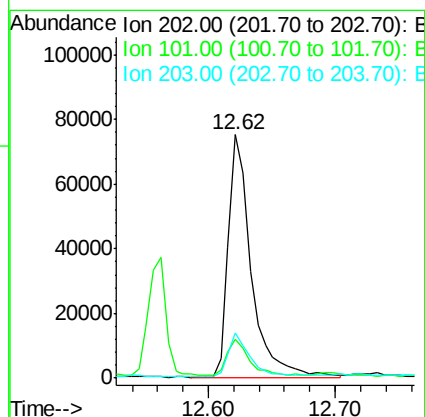
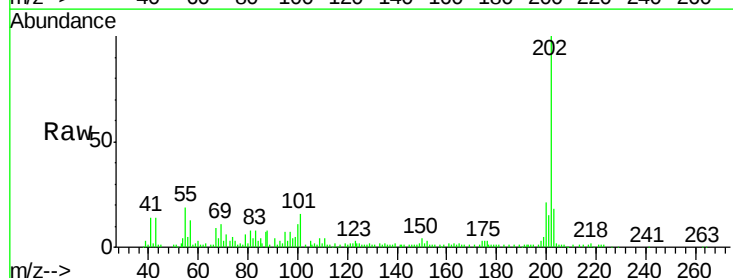
Instrument :
BNA_F
ClientSampleId :

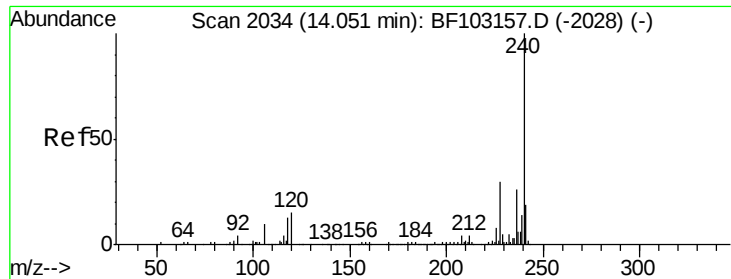
Tot Ion:149 Resp: 153085
Ion Ratio Lower Upper
149 100
150 9.0 7.8 11.6
104 4.8 3.8 5.8



#74
Fluoranthene
Concen: 5.581 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion:202 Resp: 96138
Ion Ratio Lower Upper
202 100
101 15.9 0.0 34.1
203 18.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

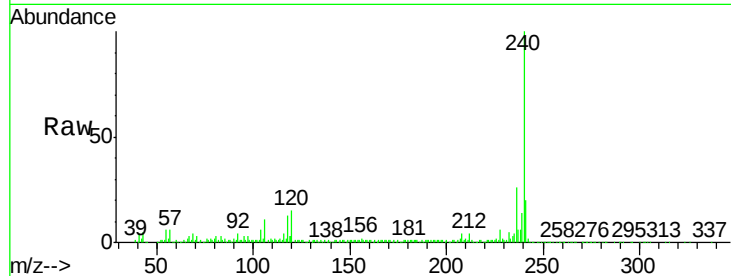
Tot Ion:240 Resp: 209643

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

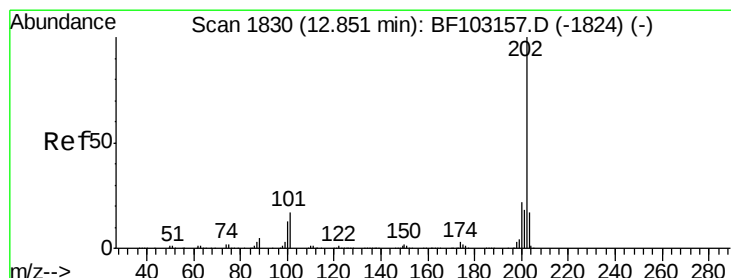
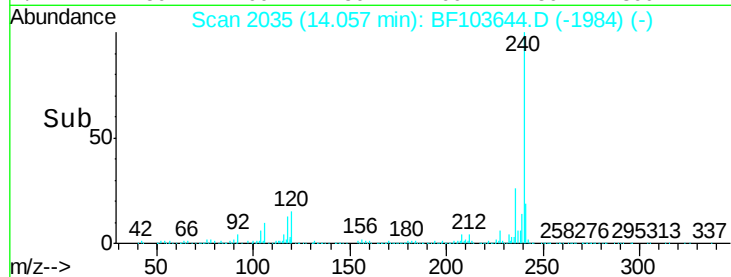
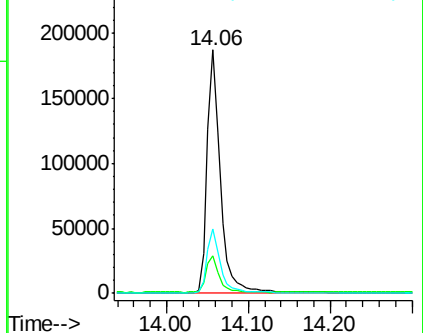
236 26.2 20.7 31.1



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



#77

Pyrene

Concen: 4.633 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

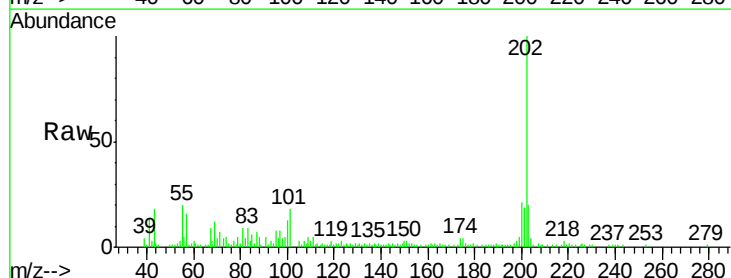
Tgt Ion:202 Resp: 75728

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

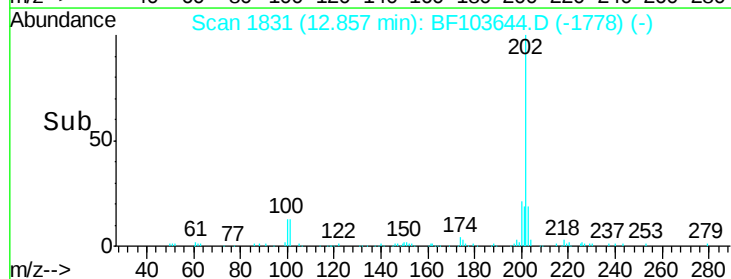
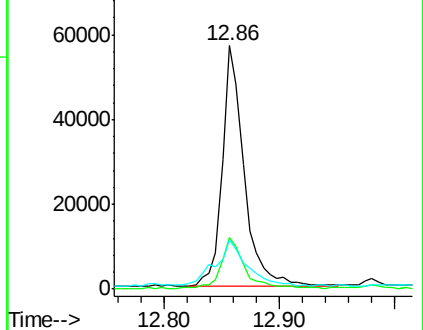
203 20.2 14.3 21.5

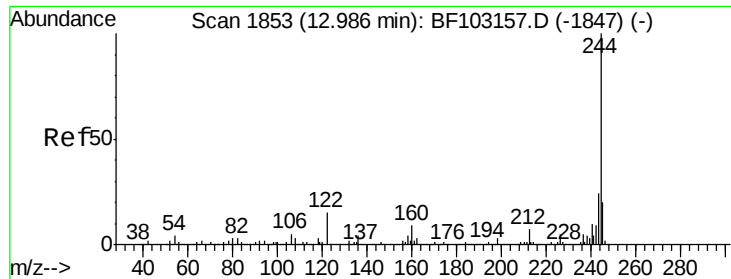


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.143 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

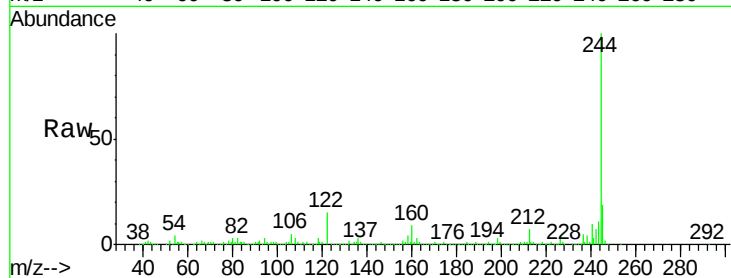
Tot Ion:244 Resp: 550673

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

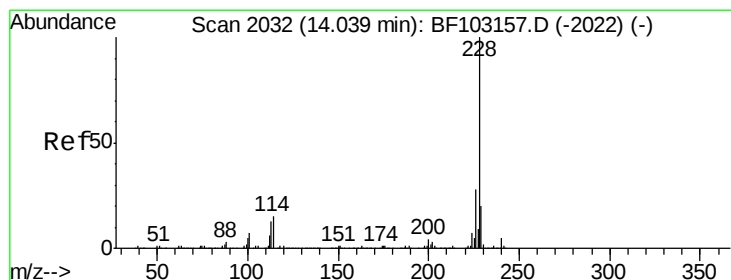
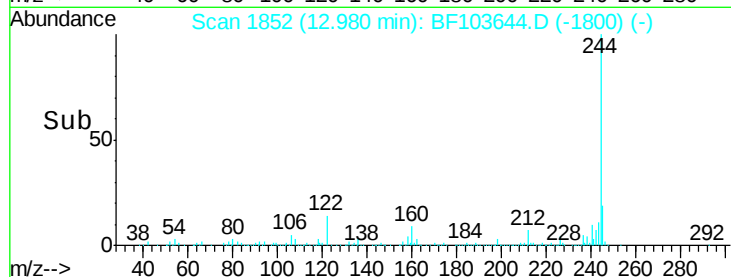
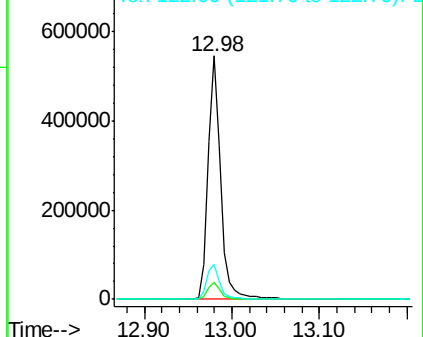
122 14.6 11.0 16.4



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: 2.524 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

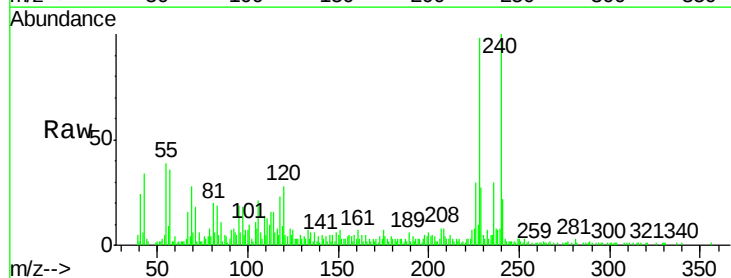
Tgt Ion:228 Resp: 34332

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

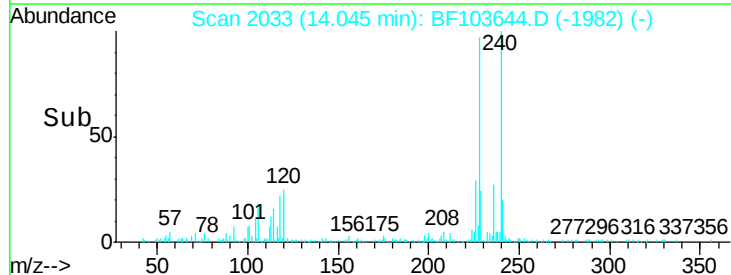
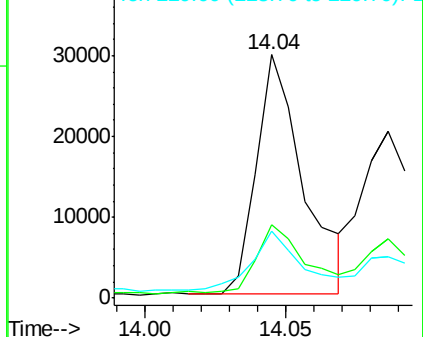
229 27.3 15.8 23.6#

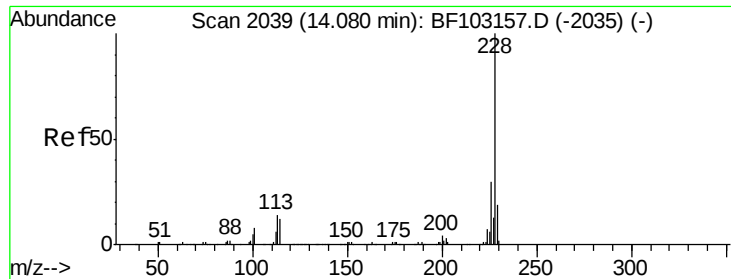


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

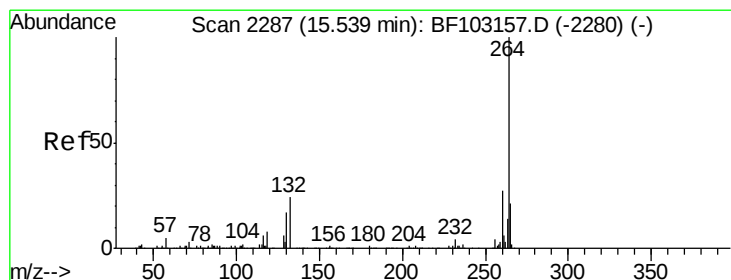
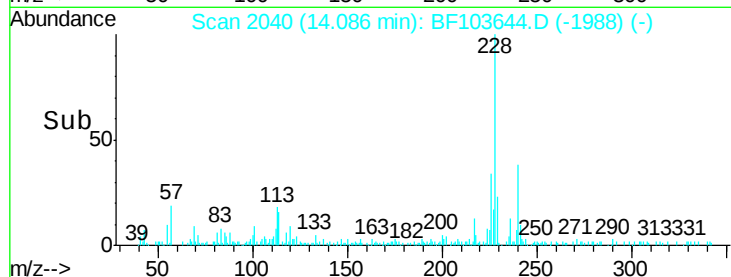
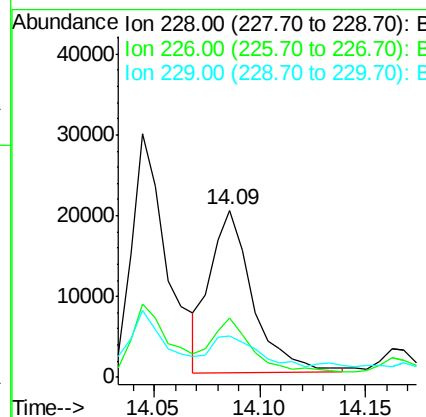
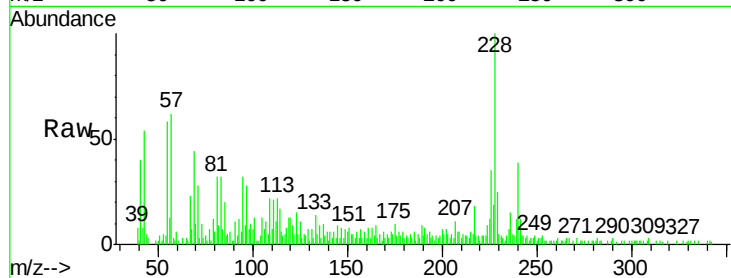




#82
Chrysene
Concen: 2.132 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

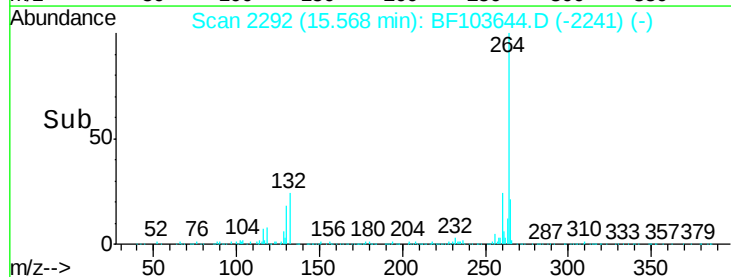
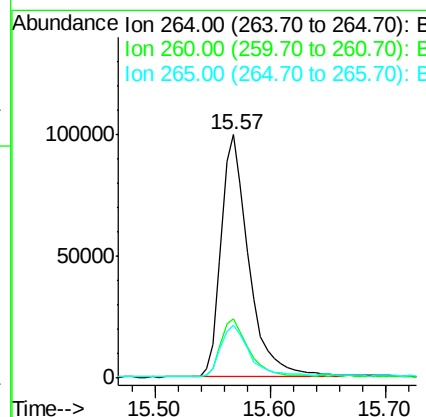
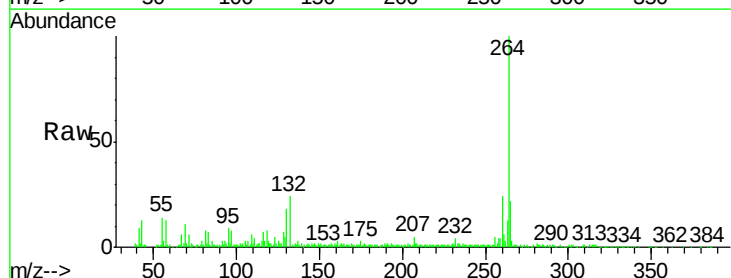
Instrument :
BNA_F
ClientSampleId :

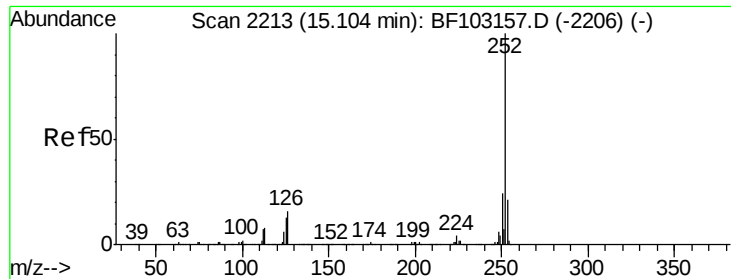
Tot Ion:228 Resp: 28163
Ion Ratio Lower Upper
228 100
226 35.3 25.0 37.6
229 25.0 16.2 24.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion:264 Resp: 166396
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.7 17.5 26.3

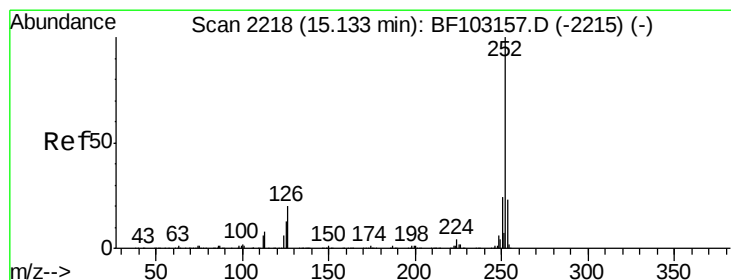
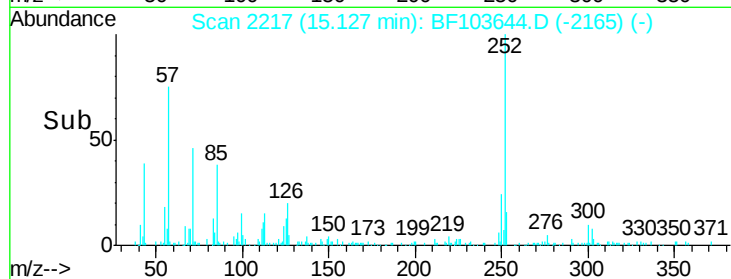
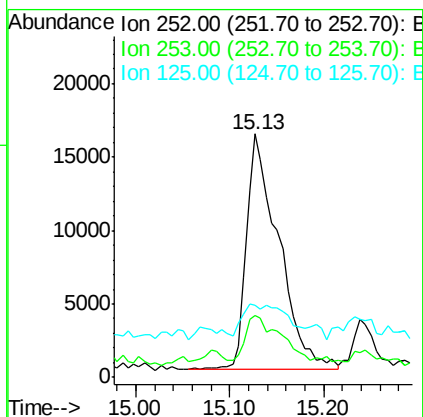
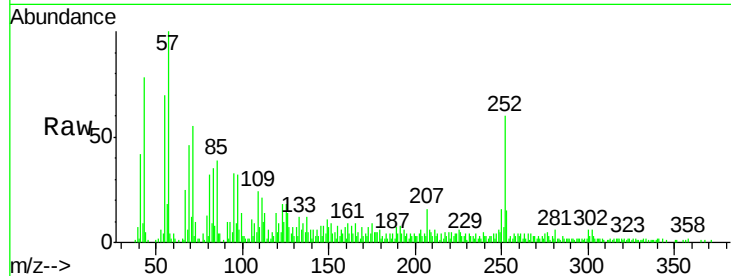




#87
Benzo(b)fluoranthene
Concen: 3.491 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

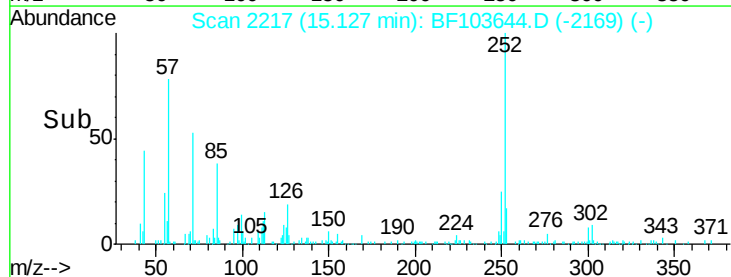
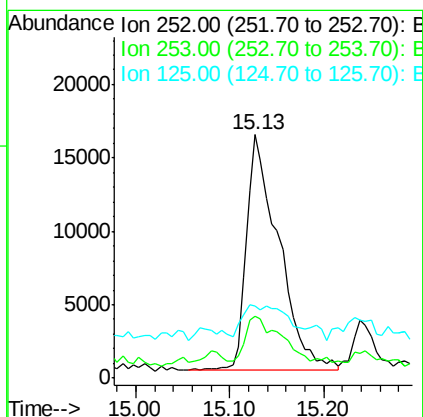
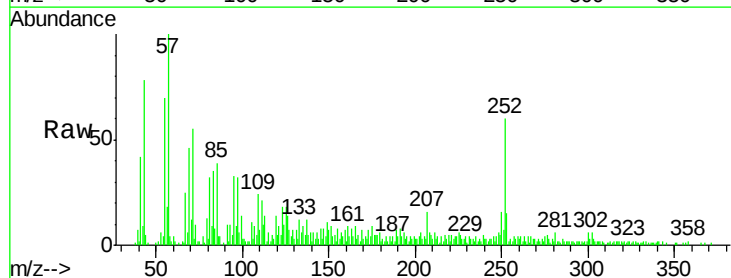
Instrument :
BNA_F
ClientSampleId :

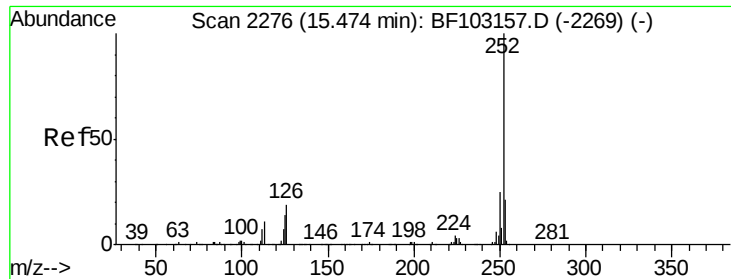
Tot Ion:252 Resp: 38197
Ion Ratio Lower Upper
252 100
253 25.3 17.0 25.6
125 29.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.708 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion:252 Resp: 38197
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 29.6 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.004 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

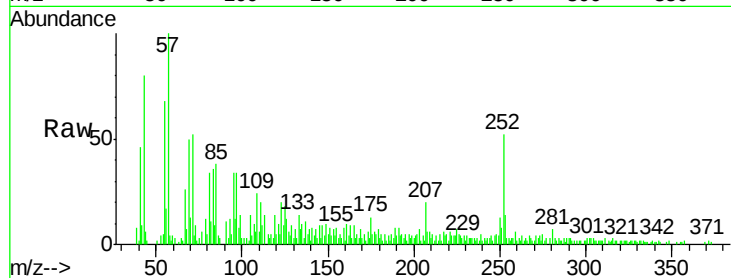
Tot Ion: 252 Resp: 19582

Ion Ratio Lower Upper

252 100

253 27.0 17.1 25.7#

125 33.6 9.8 14.6#



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

