

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103583.D
 Acq On : 12 Mar 2018 15:47
 Operator : SJ/JU
 Sample : J1821-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

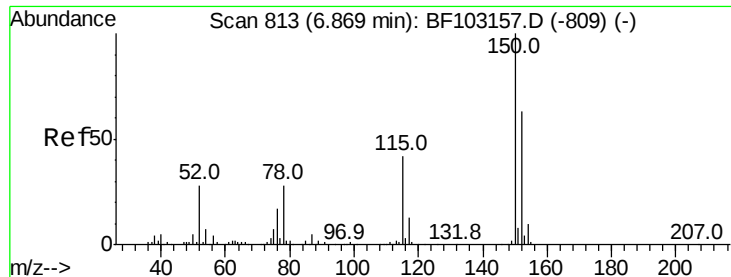
Quant Time: Mar 13 01:15:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122883	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	519590	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	212836	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	311520	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	201276	20.00	ng	0.00
86) Perylene-d12	15.56	264	196250	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	554414	68.24	ng	0.00
7) Phenol-d6	6.51	99	421186	42.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	970986	106.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	218589	121.33	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1314538	115.97	ng	0.00
78) Terphenyl-d14	12.98	244	849270	101.43	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	1899	Below Cal	#	47
15) Benzyl Alcohol	7.01	79	15206	2.030 ng	#	42
19) n-Nitroso-di-n-propylamine	7.43	70	126259	20.405 ng	#	82
25) Isophorone	7.43	82	970986	54.187 ng	#	64
27) 2,4-Dimethylphenol	7.95	122	14834	2.058 ng	#	4
31) Naphthalene	8.16	128	423508	16.649 ng		99
32) Benzoic acid	7.95	122	14834	9.288 ng	#	64
33) 4-Chloroaniline	8.16	127	54648	4.978 ng	#	37
37) 2-Methylnaphthalene	8.86	142	74165	4.511 ng		100
50) 2,6-Dinitrotoluene	9.90	165	27748	7.744 ng	#	26
51) Acenaphthene	9.93	154	38555	3.046 ng		99
54) Dibenzofuran	10.11	168	38866	2.237 ng		94
55) 4-Nitrophenol	10.11	139	17195	6.103 ng	#	19
56) 2,4-Dinitrotoluene	9.90	165	27852	6.146 ng	#	24
57) Fluorene	10.45	166	31453	2.125 ng		96
64) 4,6-Dinitro-2-methylphenol	10.70	198	140	5.012 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	14800	4.561 ng	#	1
70) Phenanthrene	11.42	178	49810	2.905 ng		98
71) Anthracene	11.42	178	49810	2.833 ng		98

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

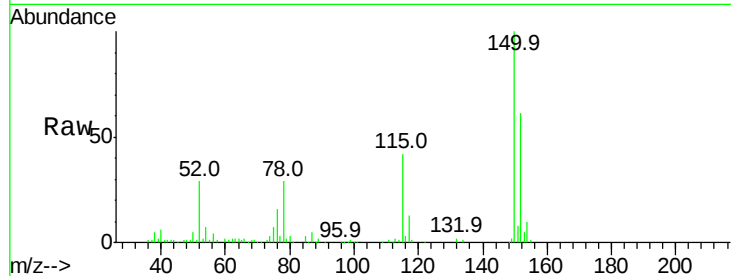


#1

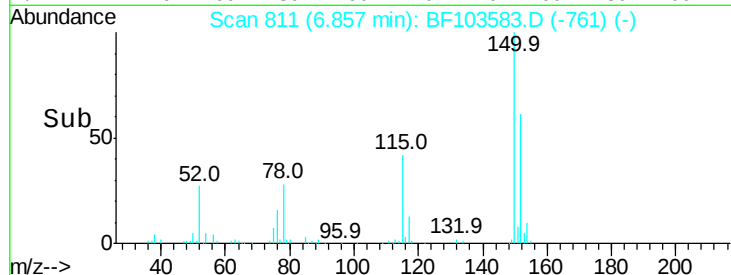
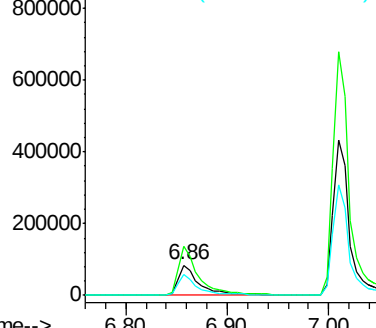
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122883
Ion Ratio Lower Upper
152 100
150 162.8 124.6 186.8
115 67.9 50.1 75.1



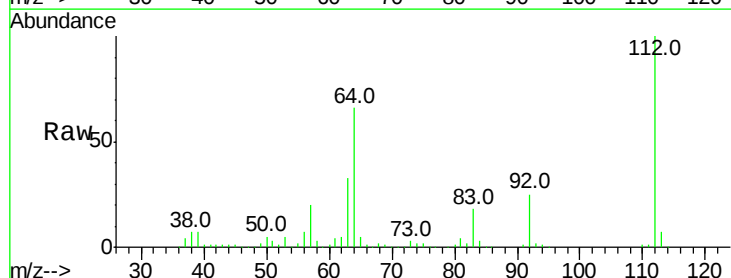
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



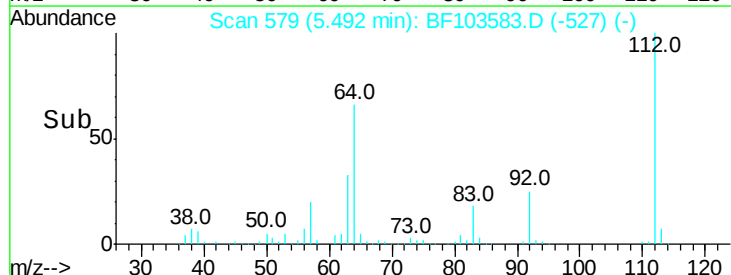
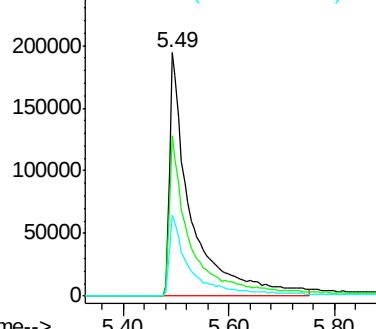
#5

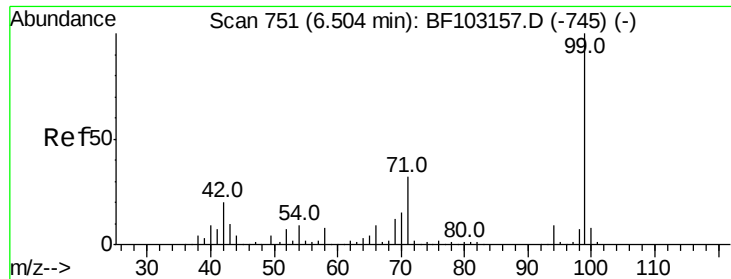
2-Fluorophenol
Concen: 68.237 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Tgt Ion:112 Resp: 554414
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 33.5 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: 42.364 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

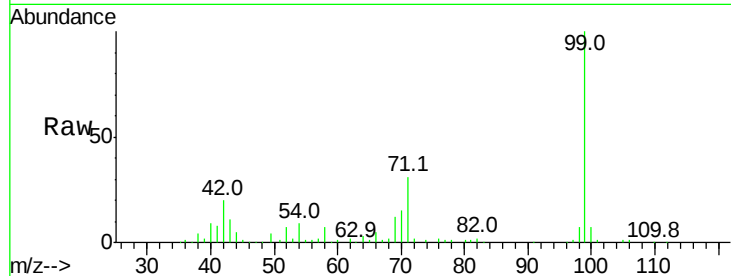
Tot Ion: 99 Resp: 421186

Ion Ratio Lower Upper

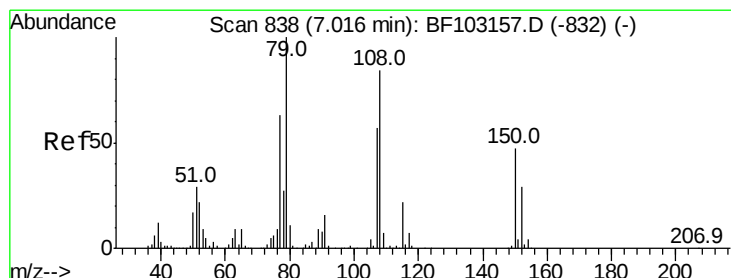
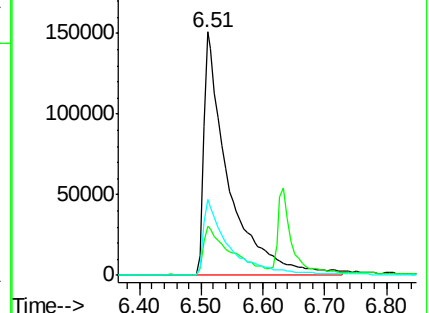
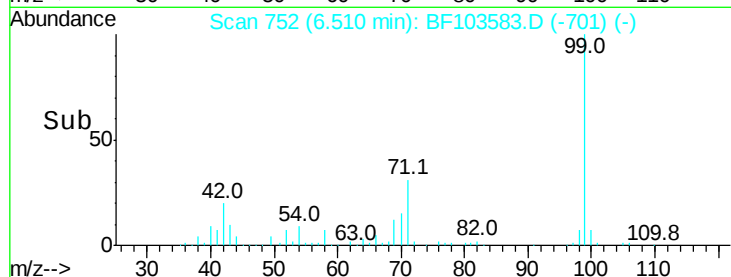
99 100

42 20.3 14.5 21.7

71 31.1 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



#15

Benzyl Alcohol

Concen: 2.030 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

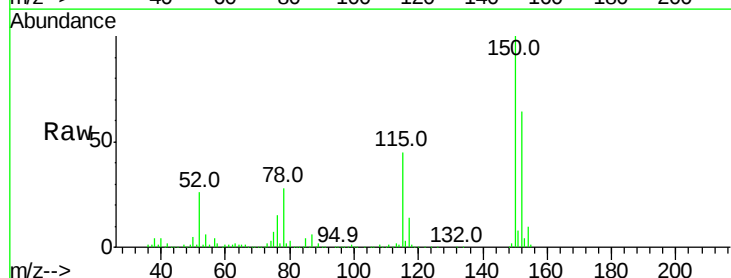
Tgt Ion: 79 Resp: 15206

Ion Ratio Lower Upper

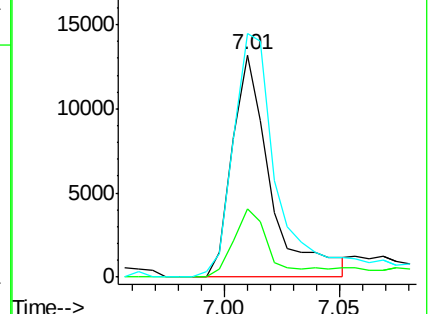
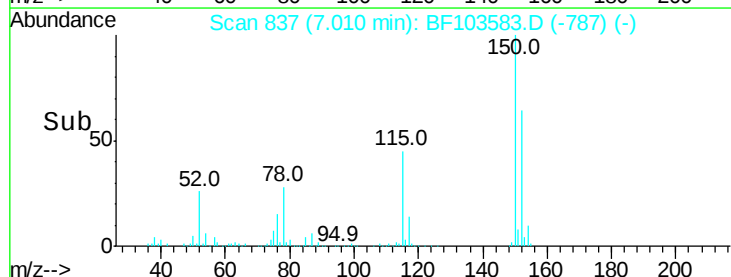
79 100

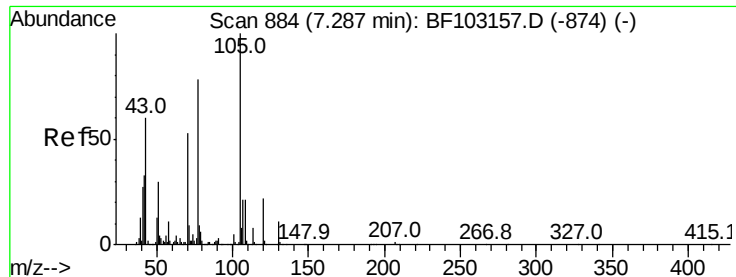
108 31.0 65.1 97.7#

77 109.5 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 20.405 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103583.D

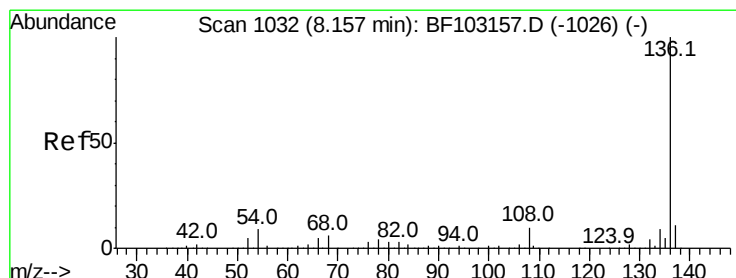
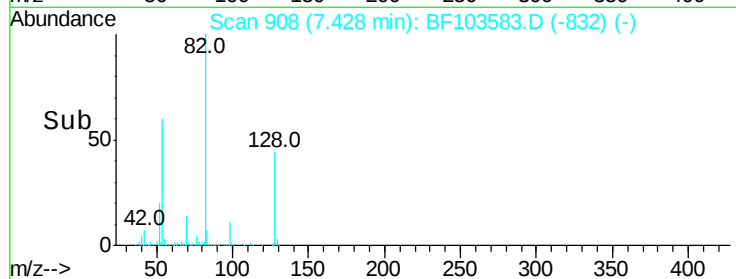
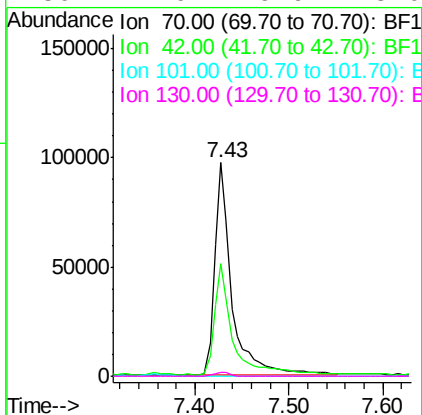
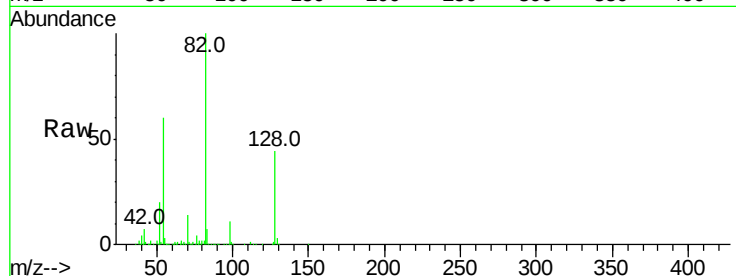
Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	126259
Ion	Ratio	Lower	Upper
70	100		
42	52.5	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

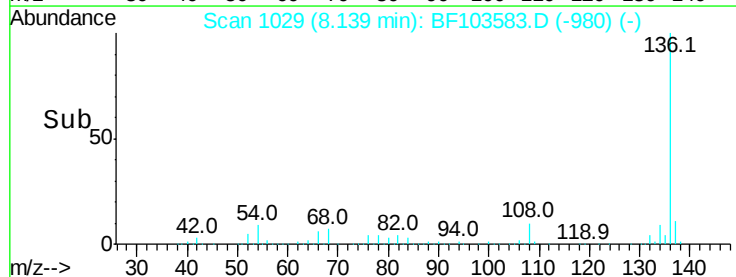
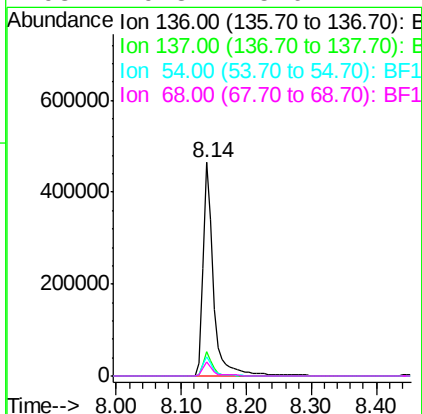
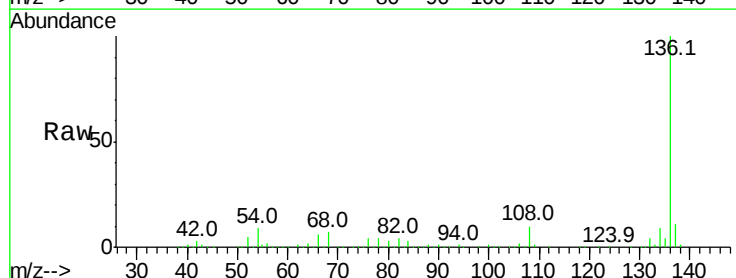
RT: 8.14 min Scan# 1029

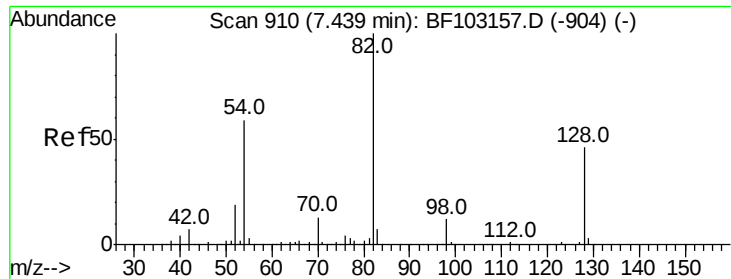
Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Tgt Ion:	136	Resp:	519590
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.2	6.6	9.8
68	6.8	5.0	7.4

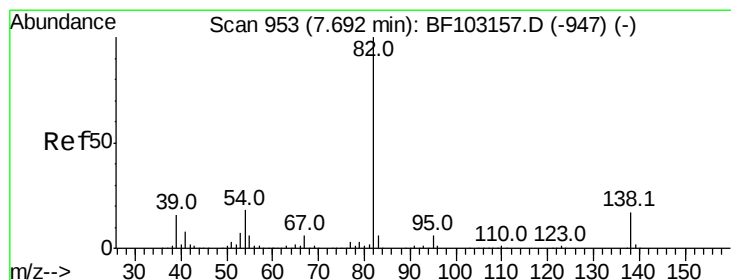
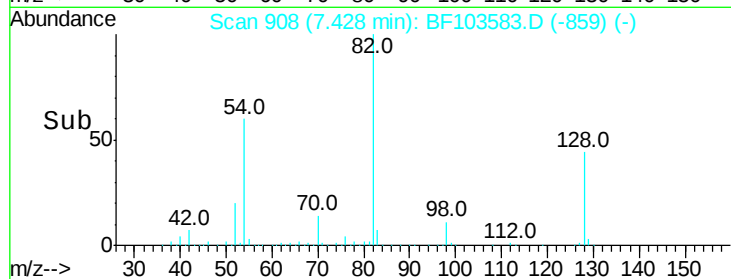
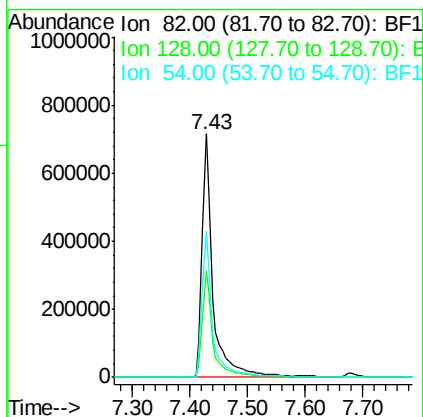
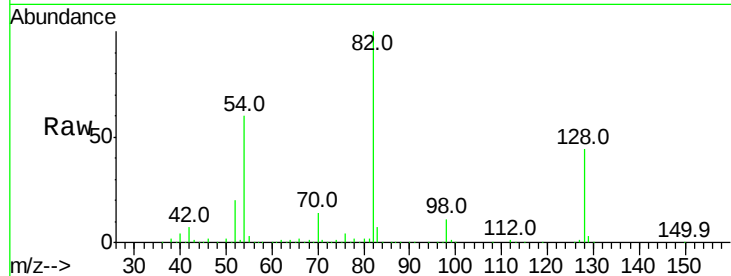




#23
 Nitrobenzene-d5
 Concen: 106.722 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

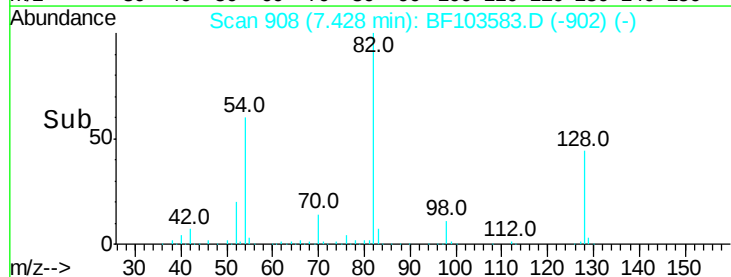
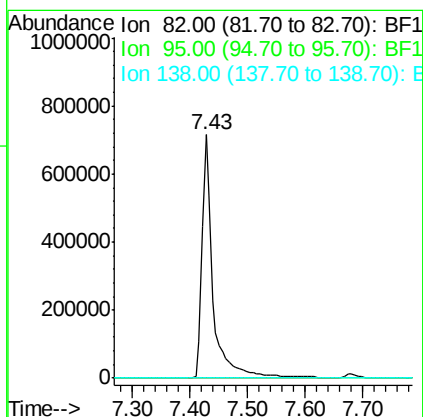
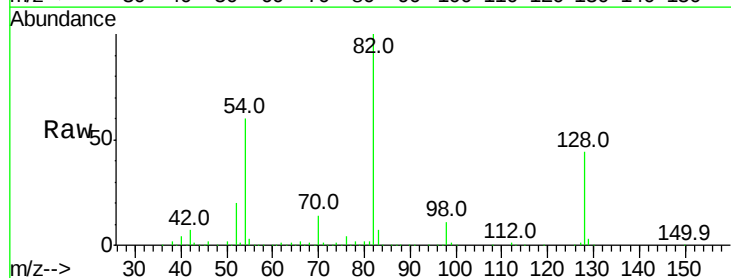
Instrument :
 BNA_F
 ClientSampleId :

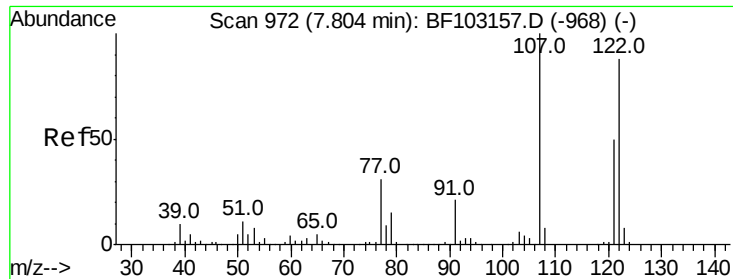
Tot Ion: 82 Resp: 970986
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.1 54.1
 54 60.3 41.4 62.2



#25
 Isophorone
 Concen: 54.187 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Tgt Ion: 82 Resp: 970986
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#27

2,4-Dimethylphenol

Concen: 2.058 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.14 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampled :

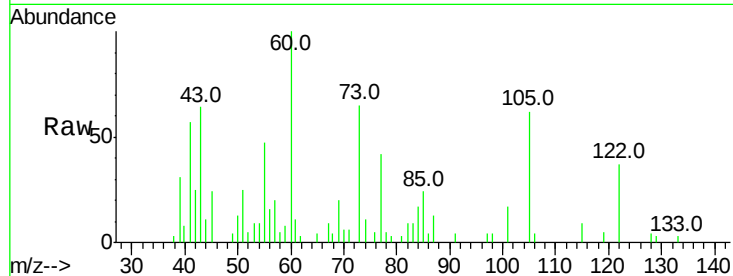
Tot Ion:122 Resp: 14834

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

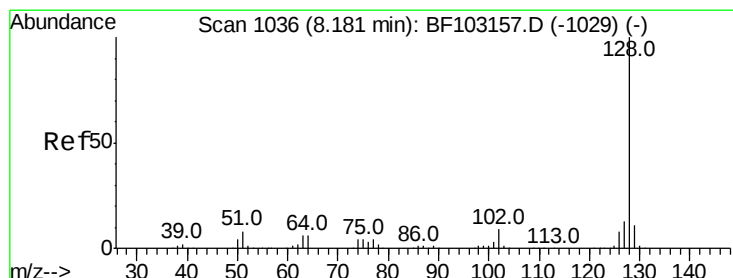
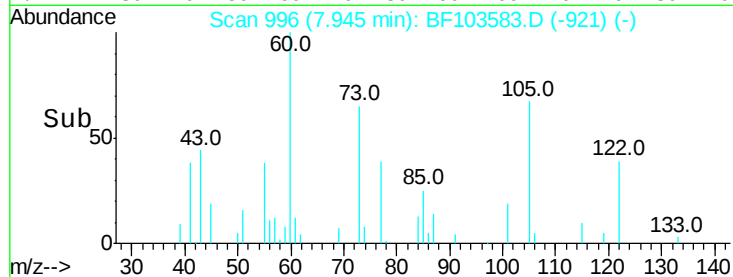
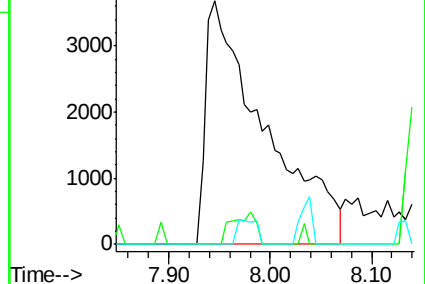
121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 16.649 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

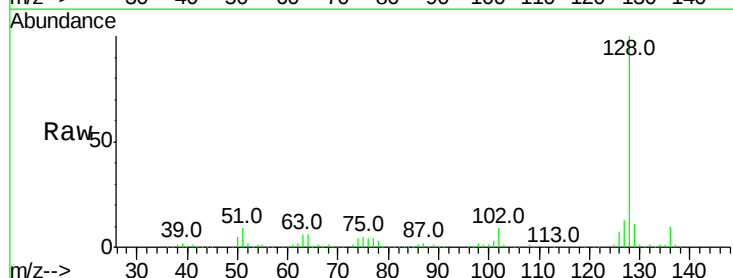
Tgt Ion:128 Resp: 423508

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

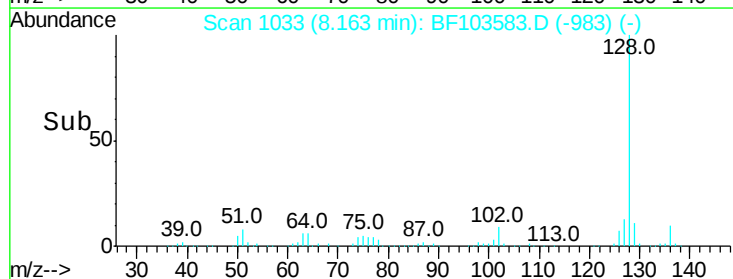
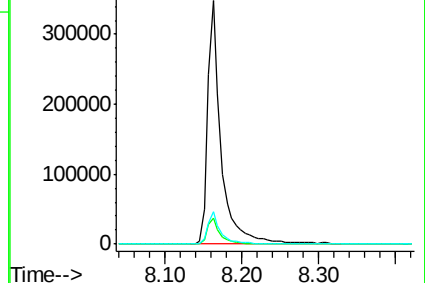
127 13.1 10.9 16.3

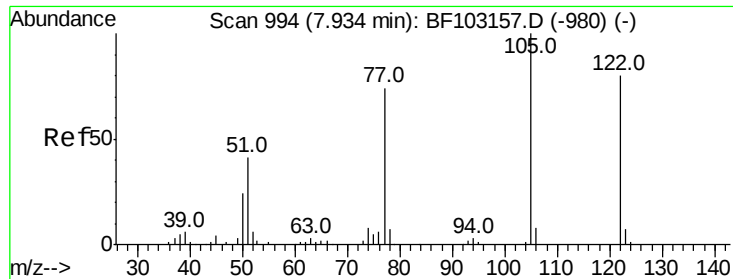


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.288 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.02 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

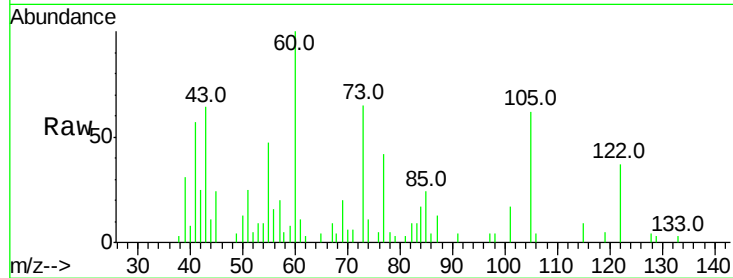
Tot Ion:122 Resp: 14834

Ion Ratio Lower Upper

122 100

105 169.9 101.1 141.1#

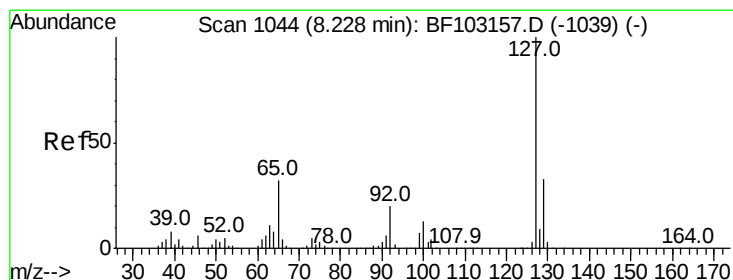
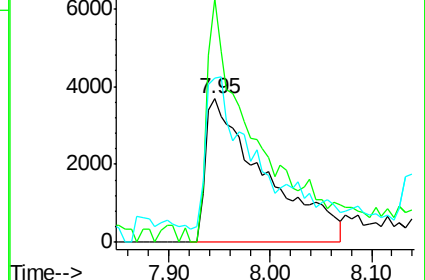
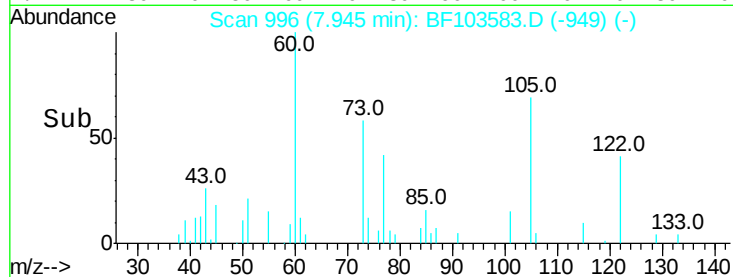
77 114.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 4.978 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Tgt Ion:127 Resp: 54648

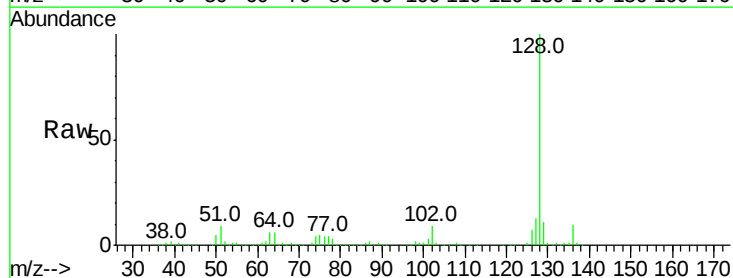
Ion Ratio Lower Upper

127 100

129 81.9 25.9 38.9#

65 3.2 25.0 37.4#

92 0.0 15.2 22.8#

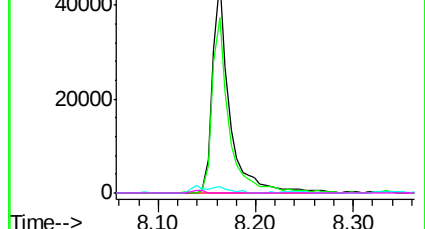
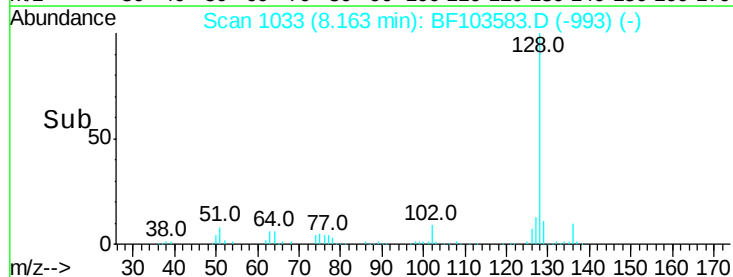


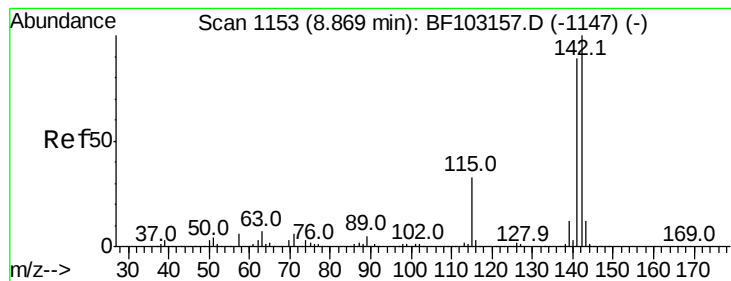
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

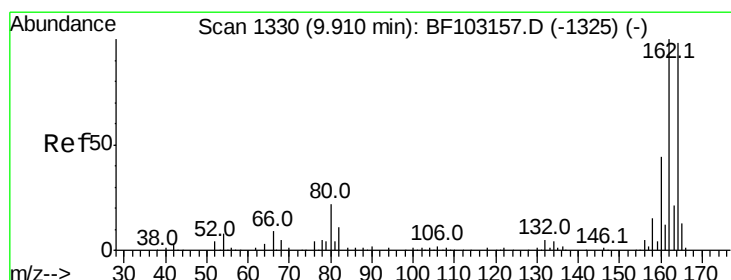
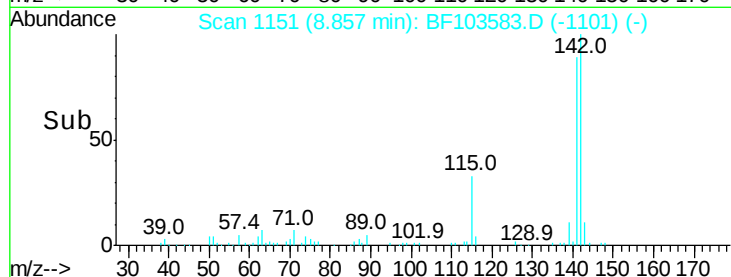
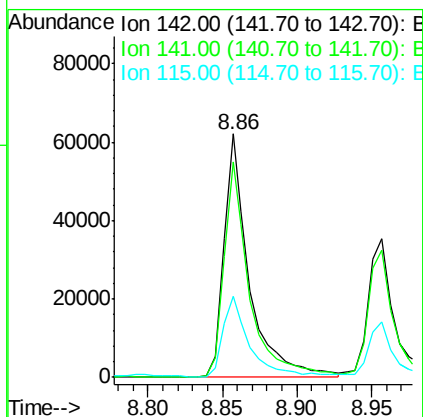
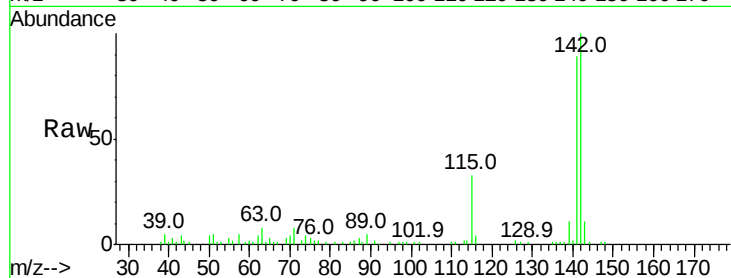




#37
 2-Methylnaphthalene
 Concen: 4.511 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

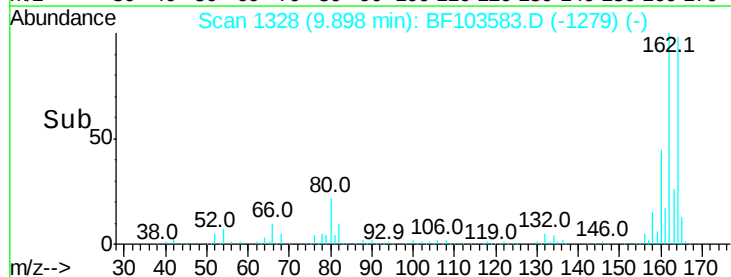
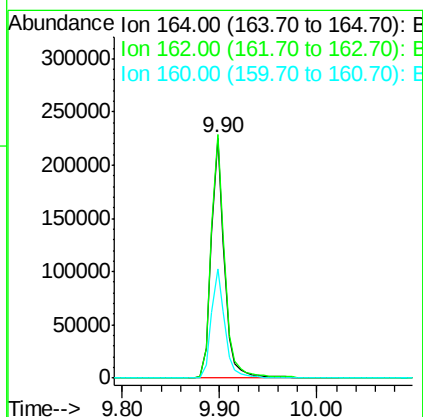
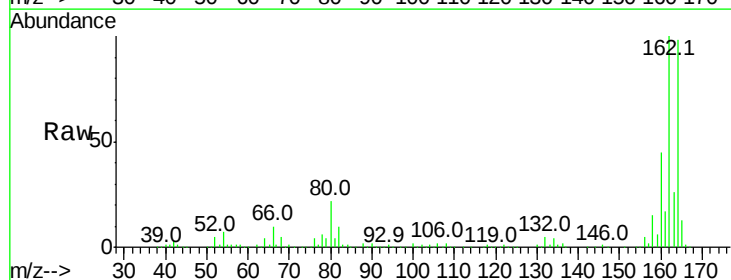
Instrument :
 BNA_F
 ClientSampled :

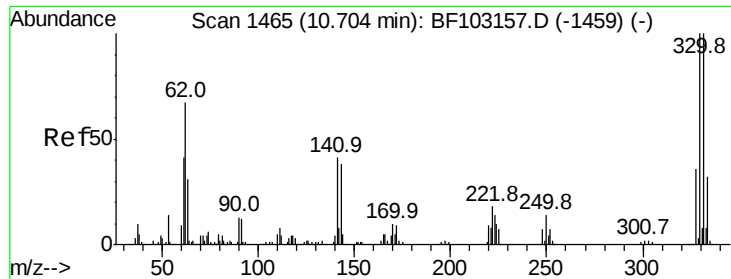
Tot Ion:142 Resp: 74165
 Ion Ratio Lower Upper
 142 100
 141 88.6 70.8 106.2
 115 33.4 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Tgt Ion:164 Resp: 212836
 Ion Ratio Lower Upper
 164 100
 162 101.5 86.1 129.1
 160 45.5 38.3 57.5

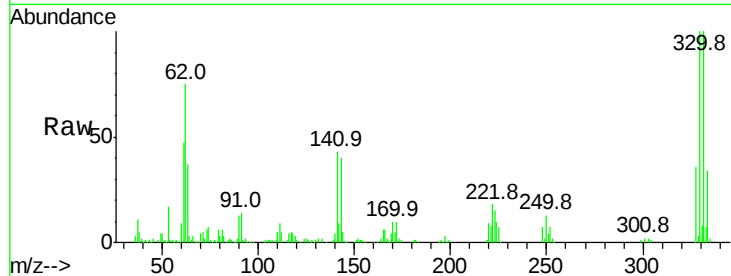




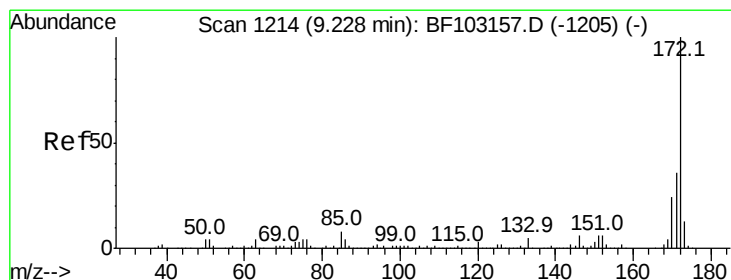
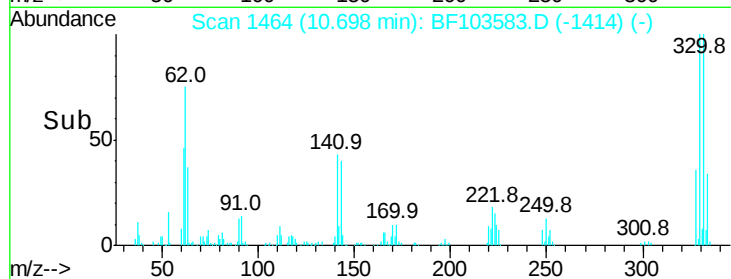
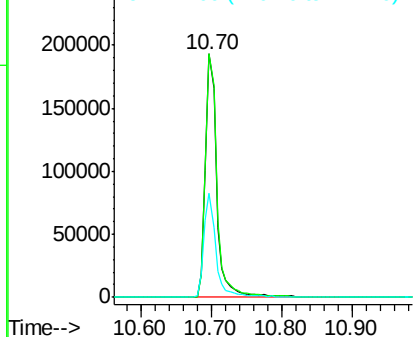
#41
 2,4,6-Tribromophenol
 Concen: 121.335 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 218589
 Ion Ratio Lower Upper
 330 100
 332 100.4 77.0 115.6
 141 44.9 29.9 44.9#

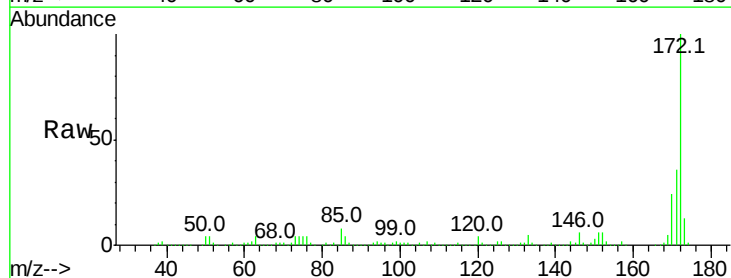


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

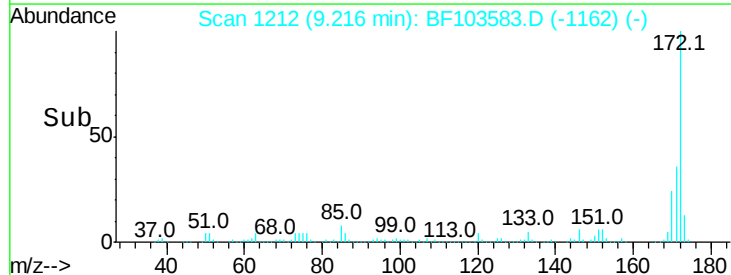
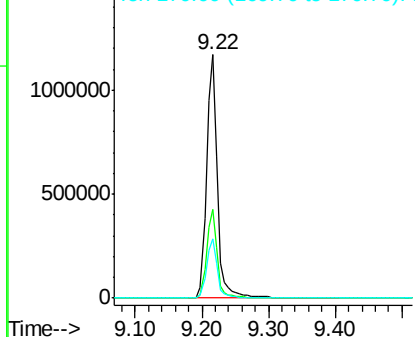


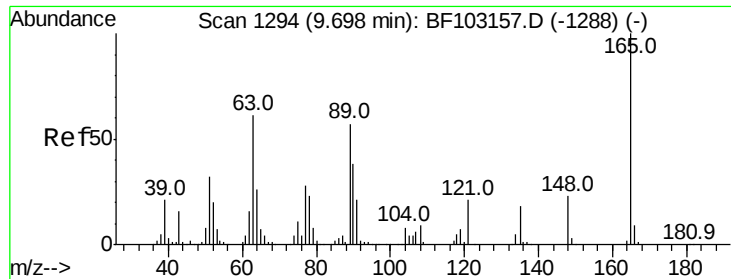
#44
 2-Fluorobiphenyl
 Concen: 115.974 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Tgt Ion:172 Resp: 1314538
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.4 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: 7.744 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.19 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampleId :

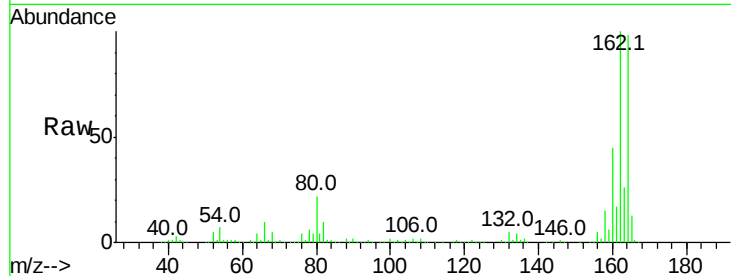
Tot Ion:165 Resp: 27748

Ion Ratio Lower Upper

165 100

63 2.0 44.7 67.1#

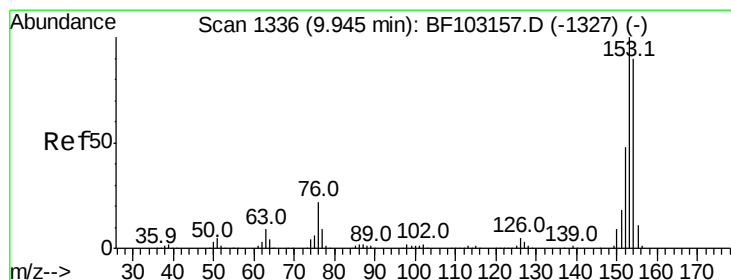
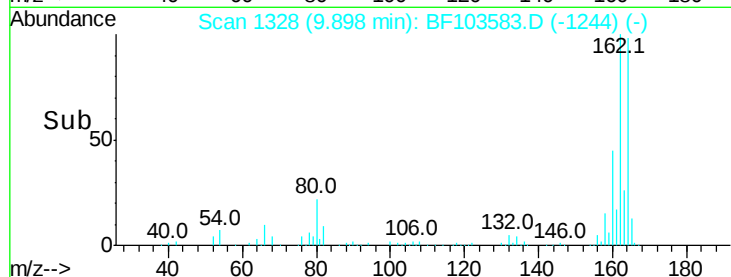
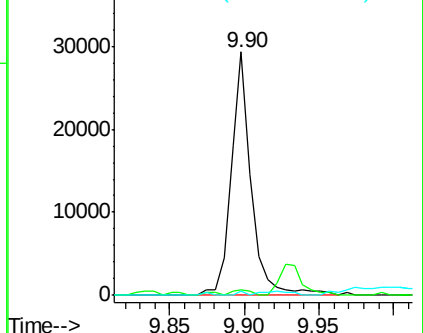
89 1.8 44.0 66.0#



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



#51

Acenaphthene

Concen: 3.046 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

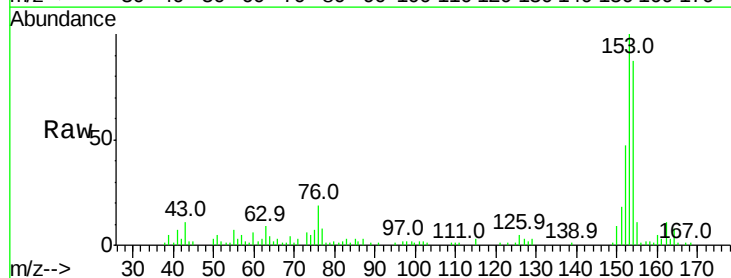
Tgt Ion:154 Resp: 38555

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

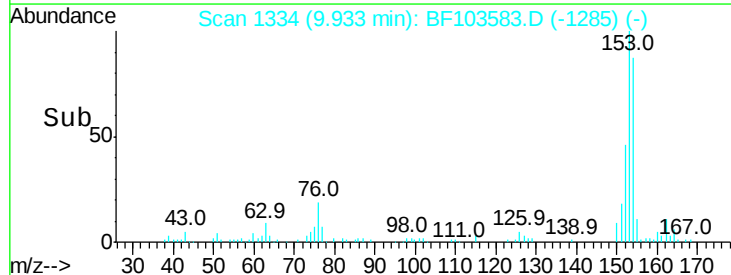
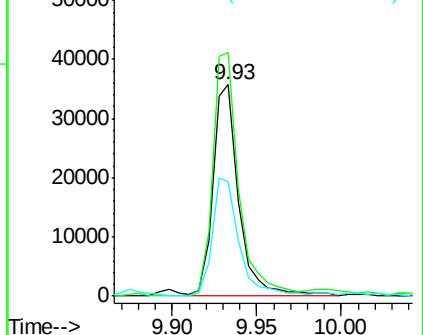
152 54.3 43.8 65.8

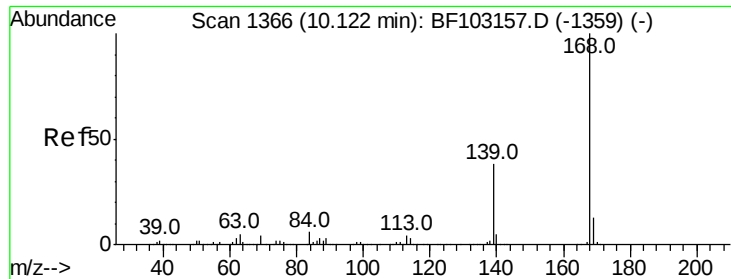


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

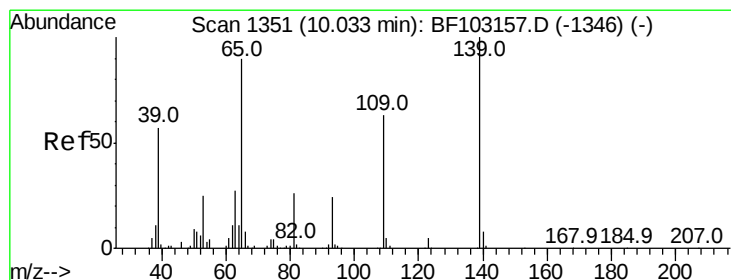
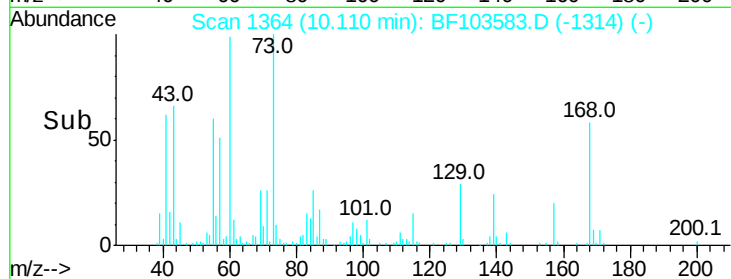
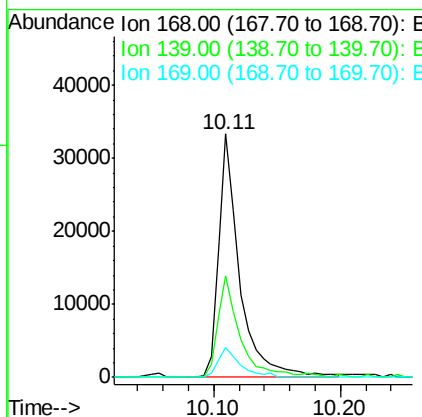
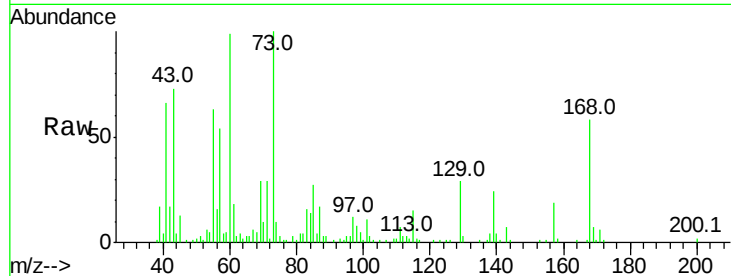




#54
Dibenzofuran
Concen: 2.237 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

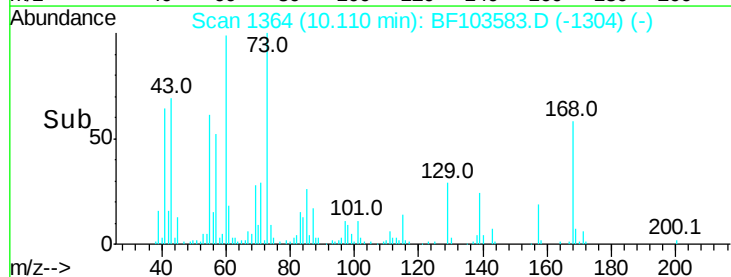
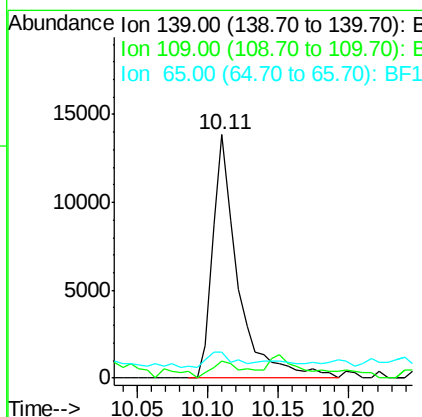
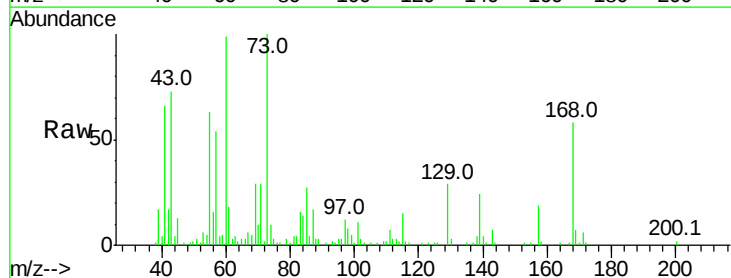
Instrument :
BNA_F
ClientSampleId :

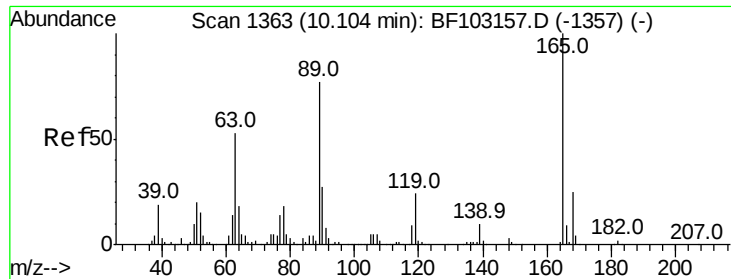
Tot Ion:168 Resp: 38866
Ion Ratio Lower Upper
168 100
139 41.5 30.1 45.1
169 12.3 10.9 16.3



#55
4-Nitrophenol
Concen: 6.103 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.05 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Tgt Ion:139 Resp: 17195
Ion Ratio Lower Upper
139 100
109 7.2 48.4 88.4#
65 10.7 72.6 112.6#

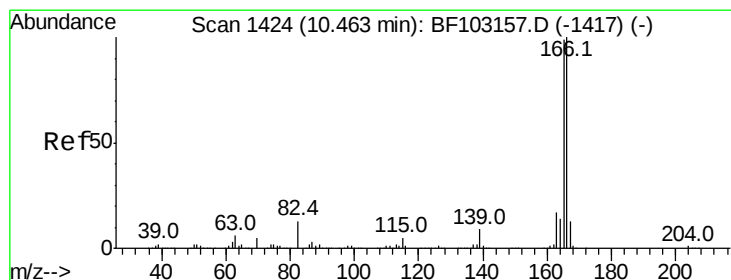
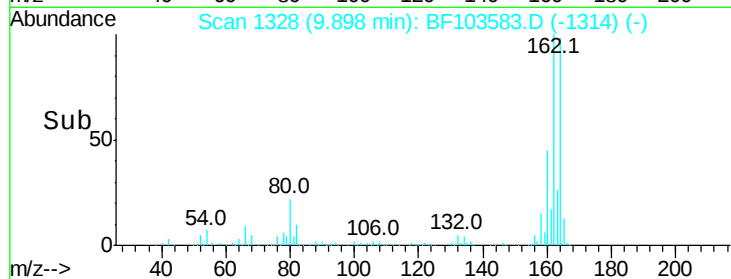
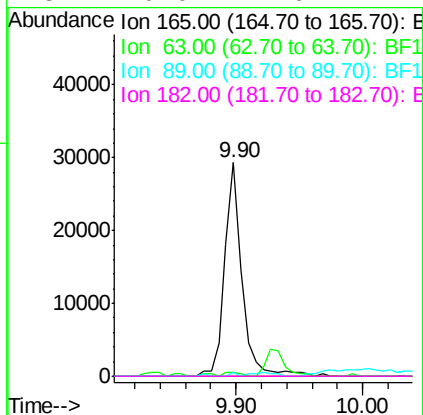
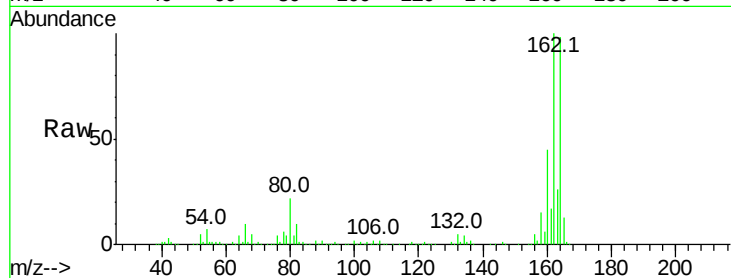




#56
 2,4-Dinitrotoluene
 Concen: 6.146 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

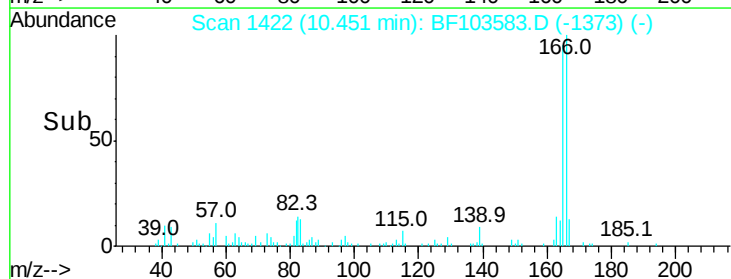
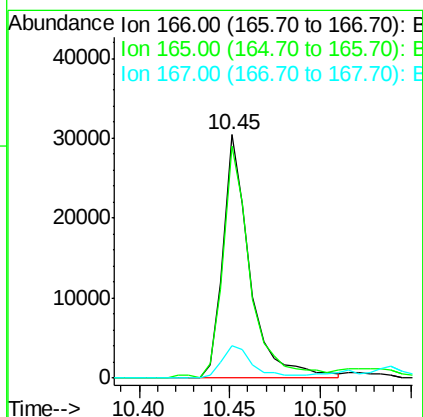
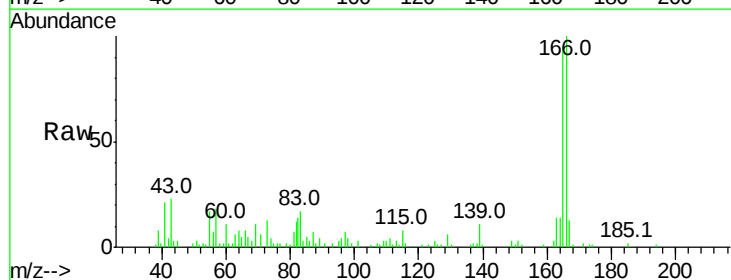
Instrument :
 BNA_F
 ClientSampleId :

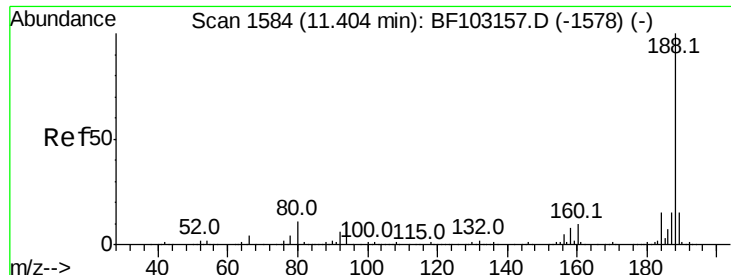
Tot Ion:	165	Resp:	27852
Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 2.125 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Tgt Ion:	166	Resp:	31453
Ion	Ratio	Lower	Upper
166	100		
165	95.3	79.8	119.8
167	13.3	10.6	16.0

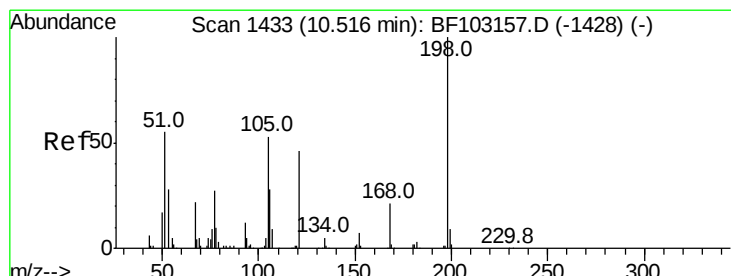
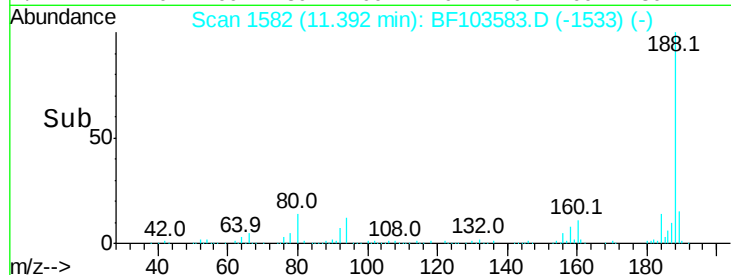
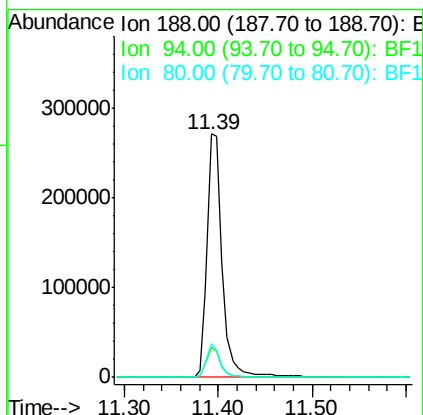
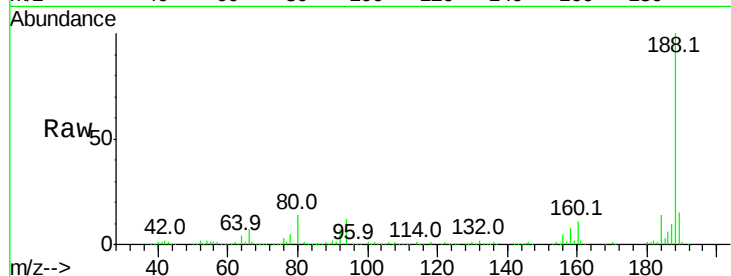




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

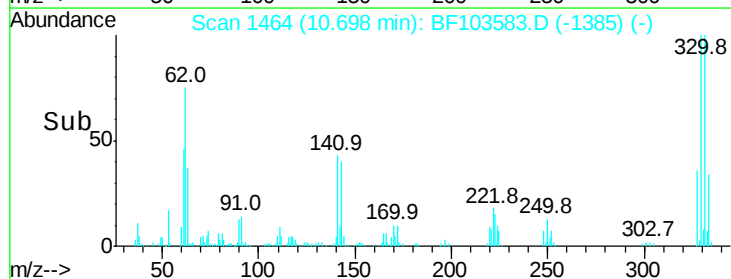
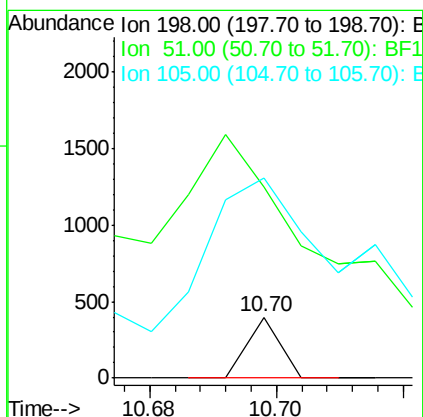
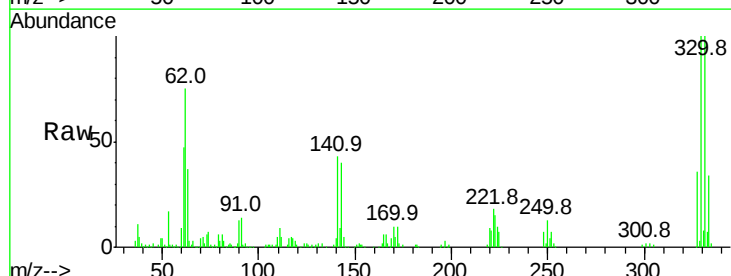
Instrument :
BNA_F
ClientSampleId :

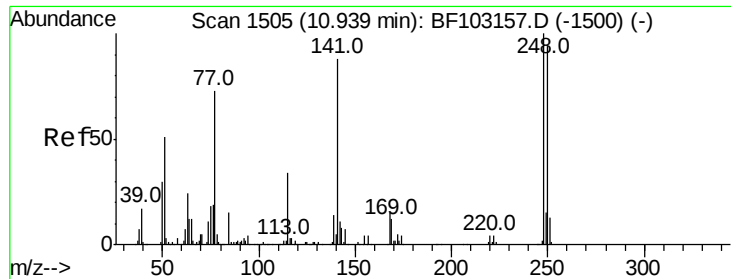
Tot Ion:188 Resp: 311520
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 13.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.012 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103583.D
Acq: 12 Mar 2018 15:47

Tgt Ion:198 Resp: 140
Ion Ratio Lower Upper
198 100
51 313.6 37.7 77.7#
105 329.1 36.3 76.3#

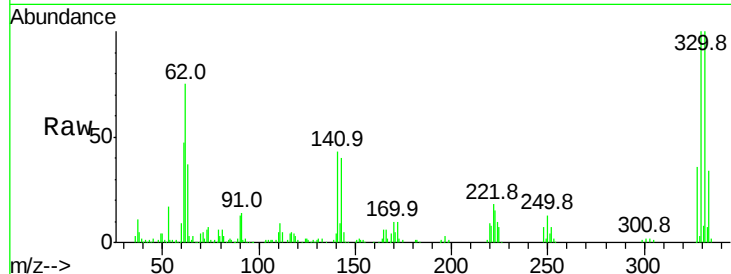




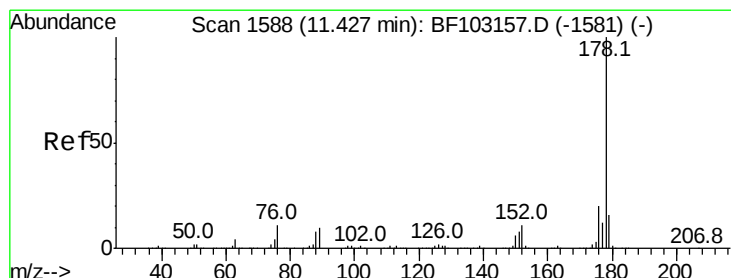
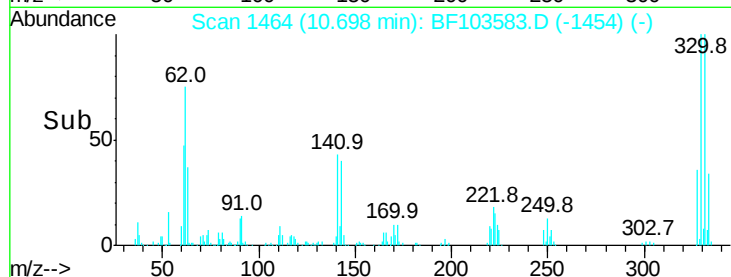
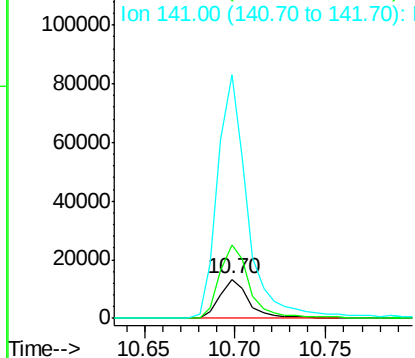
#66
 4-Bromophenyl-phenylether
 Concen: 4.561 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14800
 Ion Ratio Lower Upper
 248 100
 250 189.1 76.9 115.3#
 141 624.6 74.4 111.6#

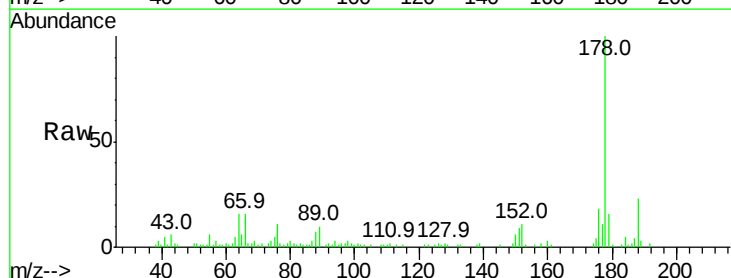


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

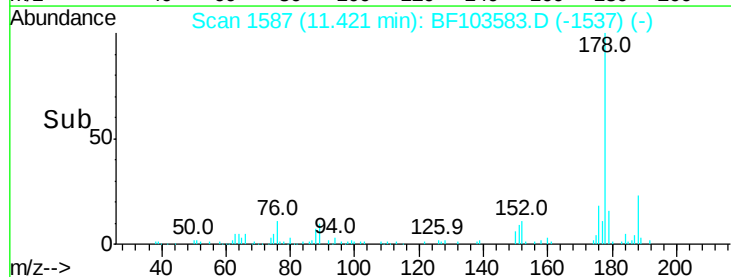
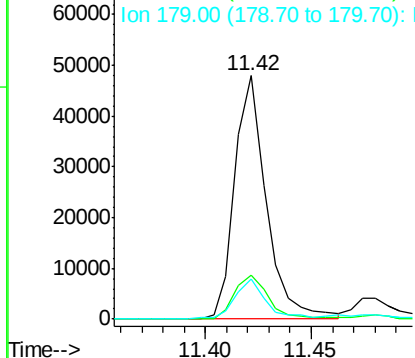


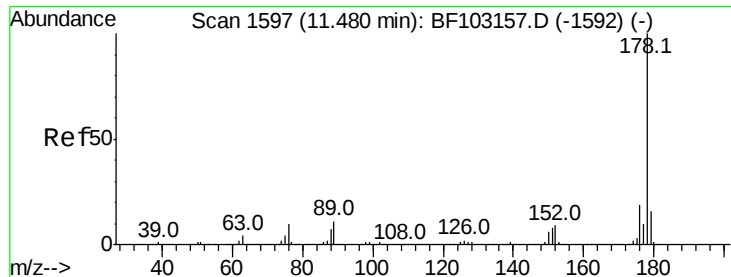
#70
 Phenanthrene
 Concen: 2.905 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Tgt Ion:178 Resp: 49810
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 16.3 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

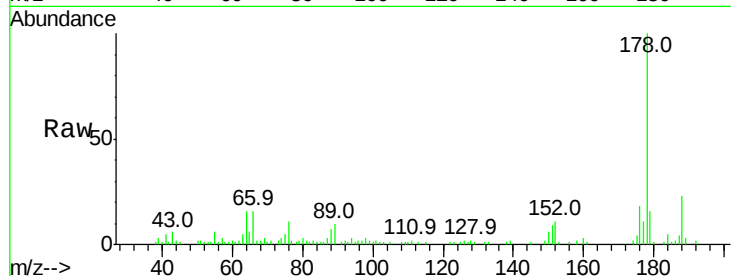




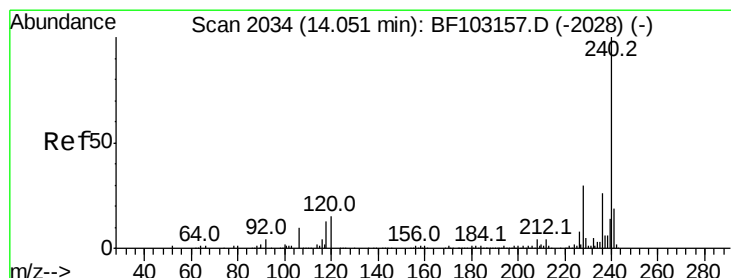
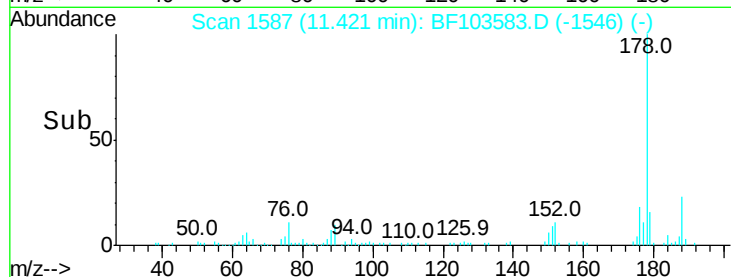
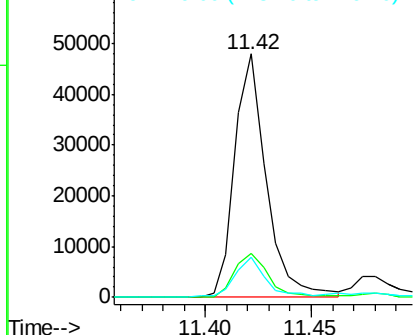
#71
 Anthracene
 Concen: 2.833 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.06 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 49810
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 16.3 12.6 19.0

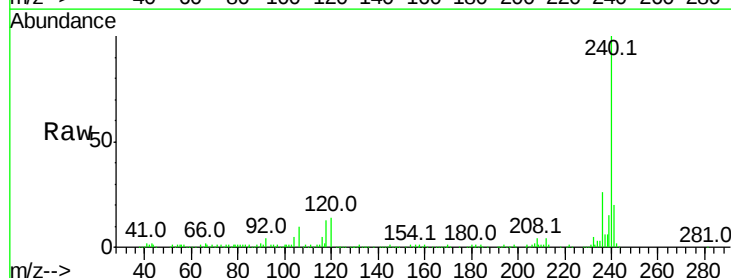


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

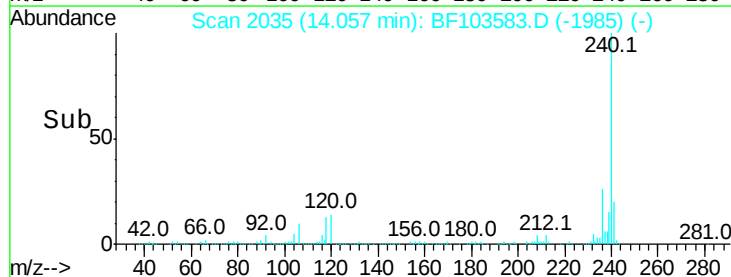
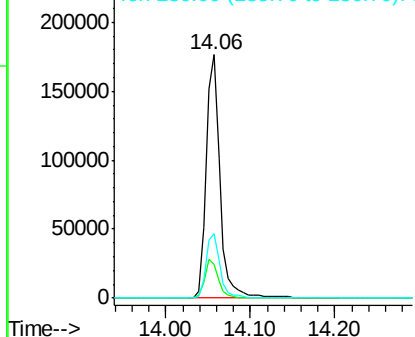


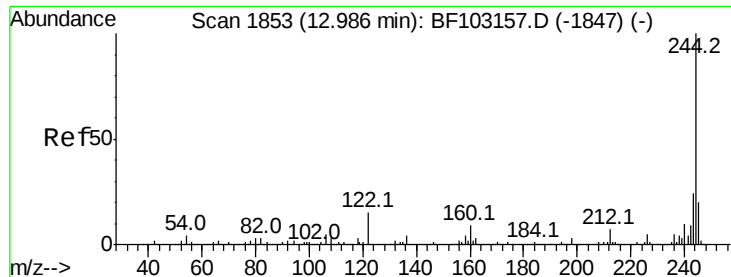
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF103583.D
 Acq: 12 Mar 2018 15:47

Tgt Ion:240 Resp: 201276
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.5 14.3
 236 26.3 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





#78

Terphenyl-d14

Concen: 101.429 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

Instrument :

BNA_F

ClientSampled :

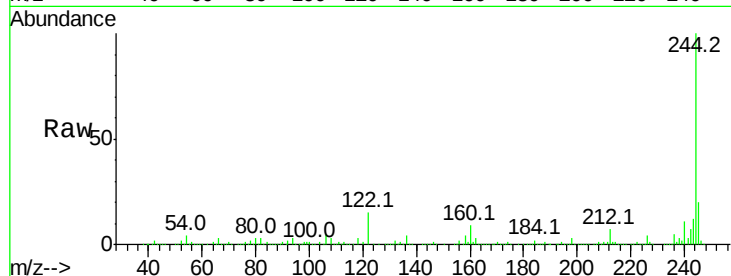
Tot Ion:244 Resp: 849270

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

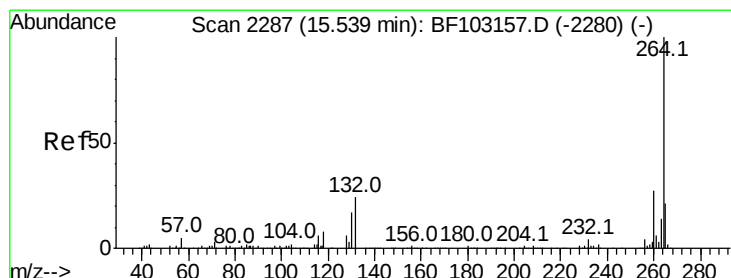
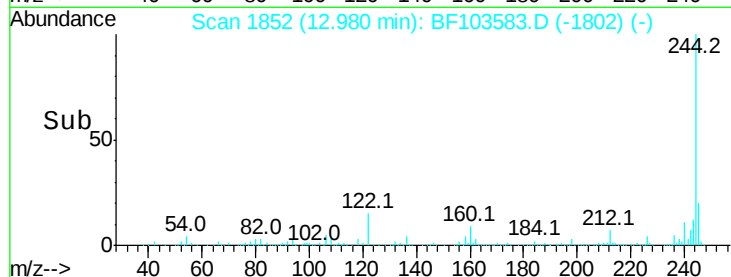
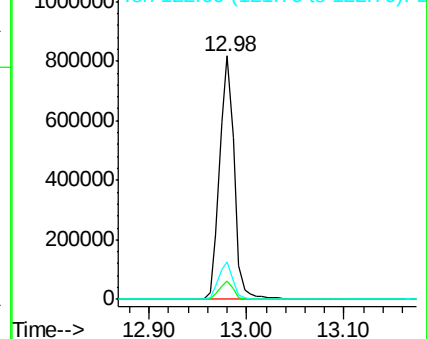
122 15.2 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF103583.D

Acq: 12 Mar 2018 15:47

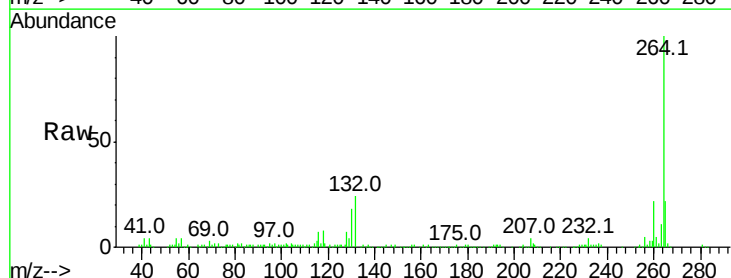
Tgt Ion:264 Resp: 196250

Ion Ratio Lower Upper

264 100

260 22.0 19.2 28.8

265 21.9 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

