

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF103002.D
 Acq On : 14 Feb 2018 21:02
 Operator : SJ/JU
 Sample : J1539-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 00:10:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

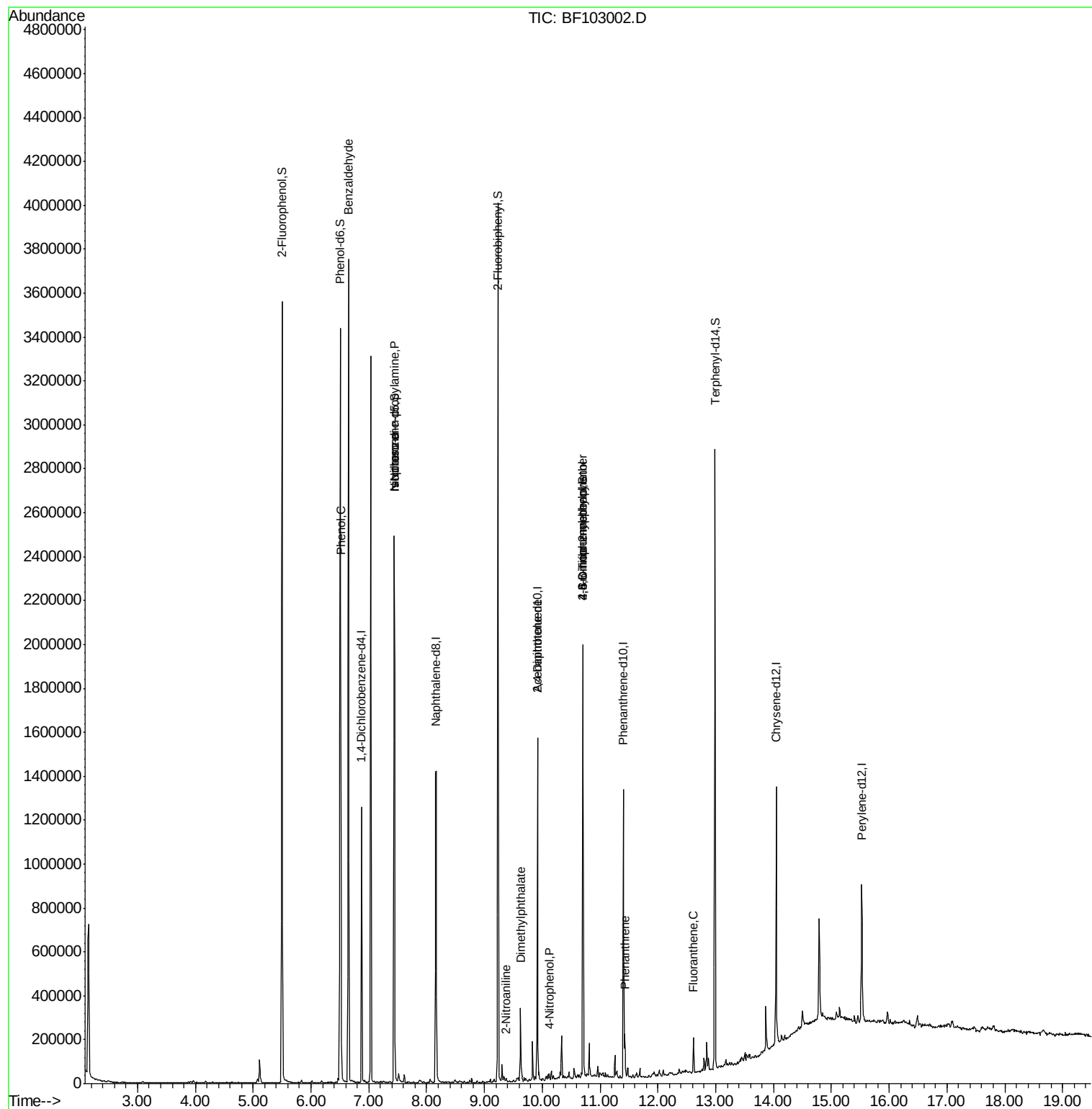
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	170232	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	698543	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	278125	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	423095	20.00	ng	0.00
75) Chrysene-d12	14.04	240	344533	20.00	ng	0.00
86) Perylene-d12	15.53	264	267844	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1078060	96.18	ng	0.02
7) Phenol-d6	6.51	99	1292884	95.79	ng	0.01
23) Nitrobenzene-d5	7.44	82	814422	80.88	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	208113	92.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1177786	70.27	ng	0.00
78) Terphenyl-d14	12.99	244	944267	64.89	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	21702	2.17	ng	86
10) Phenol	6.52	94	106743	7.38	ng	98
19) n-Nitroso-di-n-propylamine	7.44	70	105819	11.89	ng	# 81
25) Isophorone	7.44	82	814416	35.12	ng	# 64
47) 2-Nitroaniline	9.37	65	143	3.50	ng	# 2
49) Dimethylphthalate	9.62	163	119194	5.50	ng	98
55) 4-Nitrophenol	10.12	139	2065	4.49	ng	# 24
56) 2,4-Dinitrotoluene	9.92	165	35714	9.12	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	588	9.10	ng	# 11
66) 4-Bromophenyl-phenylether	10.70	248	13663	3.05	ng	# 1
70) Phenanthrene	11.43	178	57449	2.44	ng	97
74) Fluoranthene	12.62	202	56219	2.37	ng	98

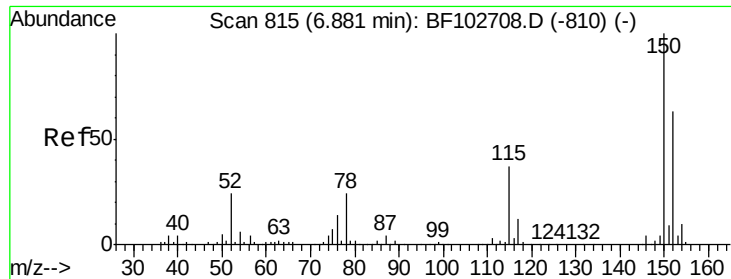
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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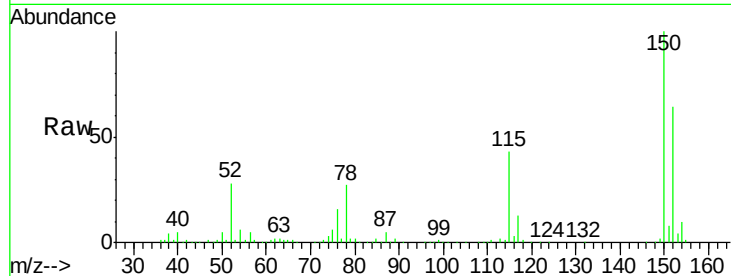


#1

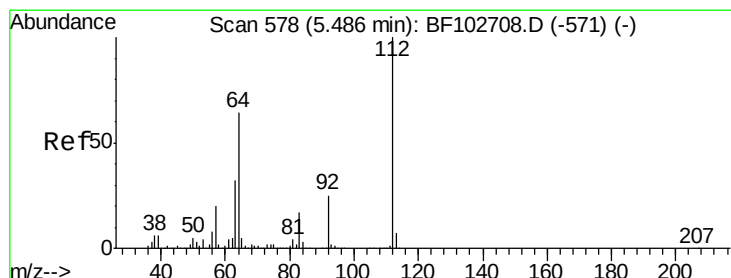
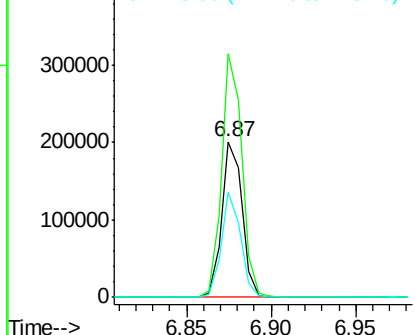
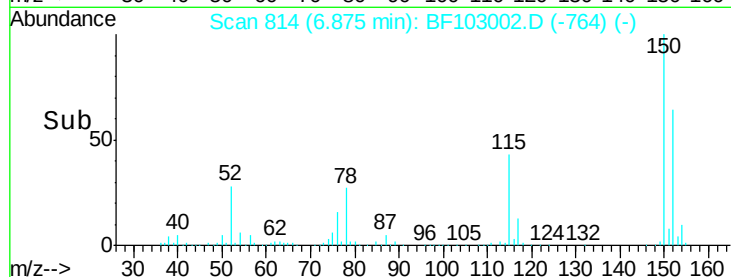
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 170232
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 67.2 50.1 75.1



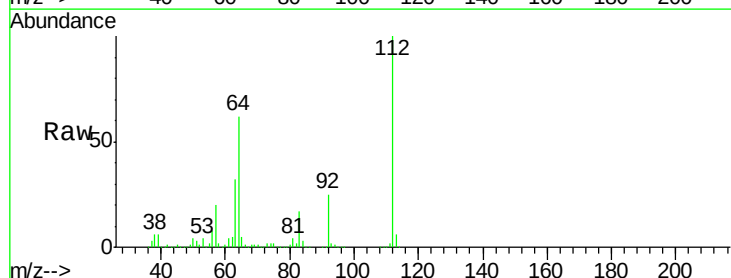
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



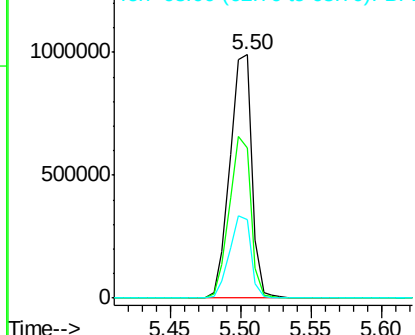
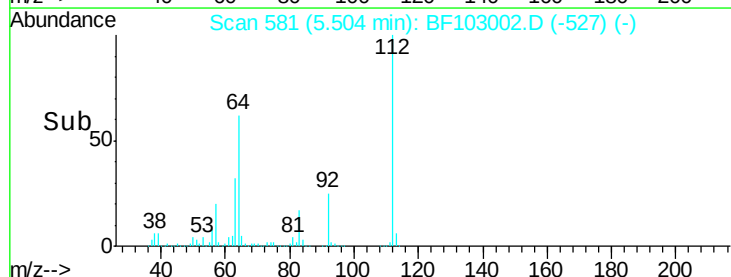
#5

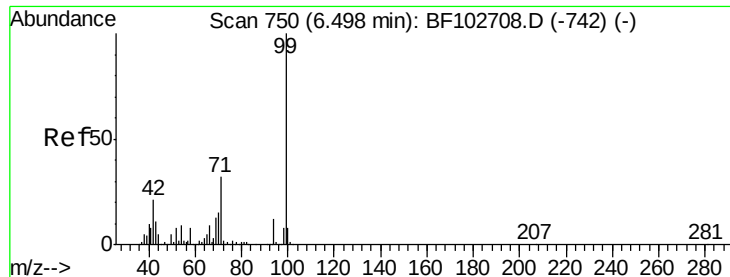
2-Fluorophenol
Concen: 96.18 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

Tgt Ion:112 Resp: 1078060
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.79 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

Instrument :

BNA_F

ClientSampleId :

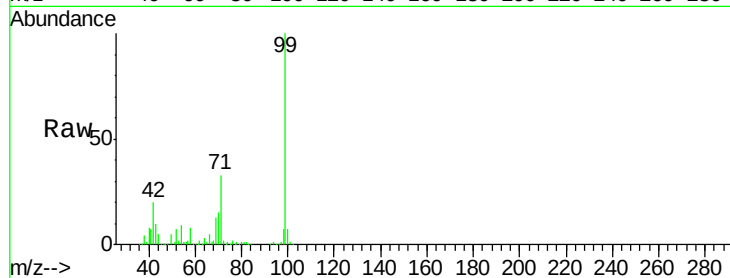
Tot Ion: 99 Resp: 1292884

Ion Ratio Lower Upper

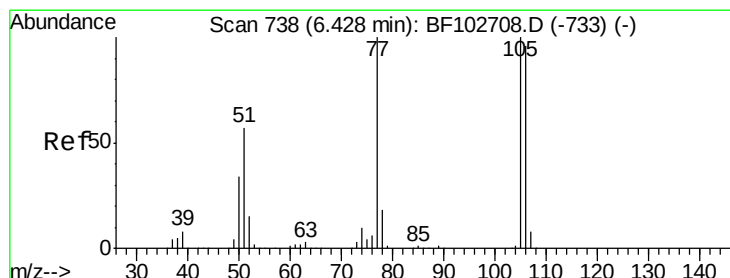
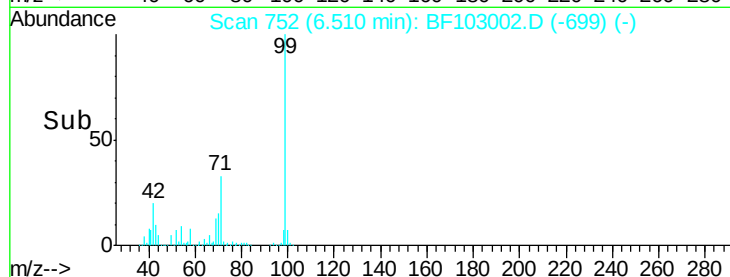
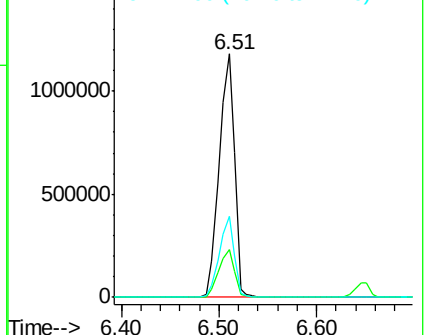
99 100

42 19.9 14.5 21.7

71 33.2 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



#9

Benzaldehyde

Concen: 2.17 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

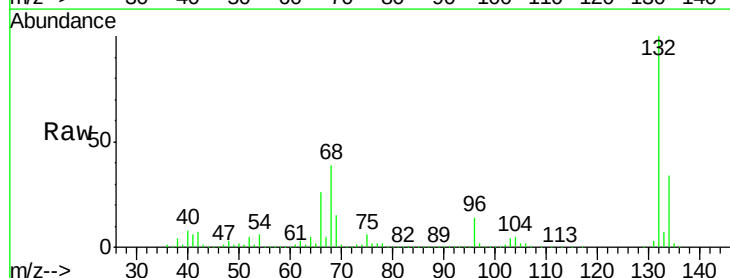
Tgt Ion: 77 Resp: 21702

Ion Ratio Lower Upper

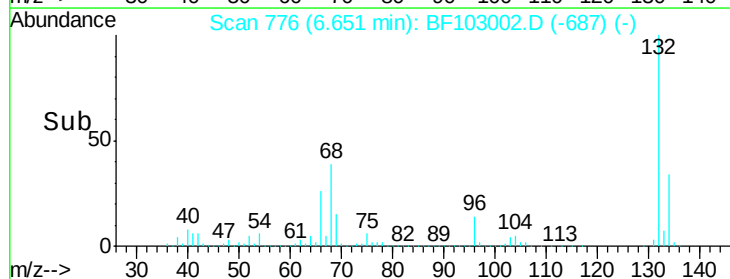
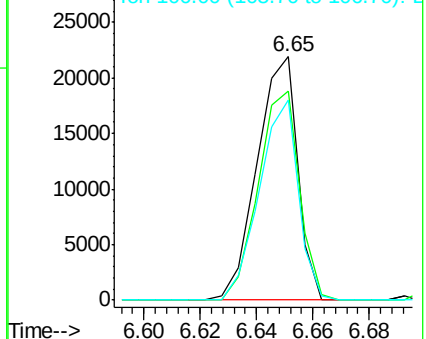
77 100

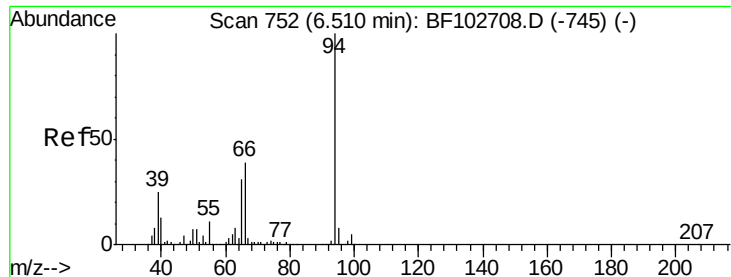
105 86.1 81.1 121.1

106 82.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

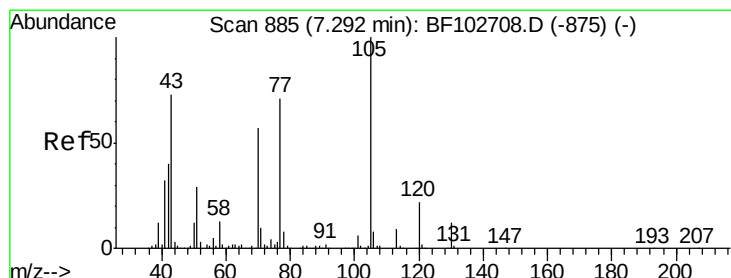
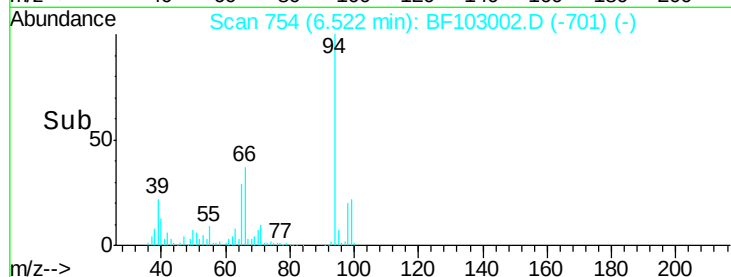
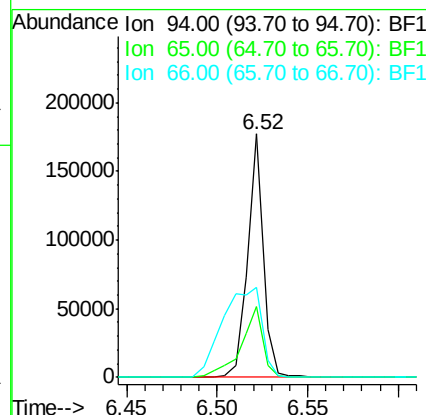
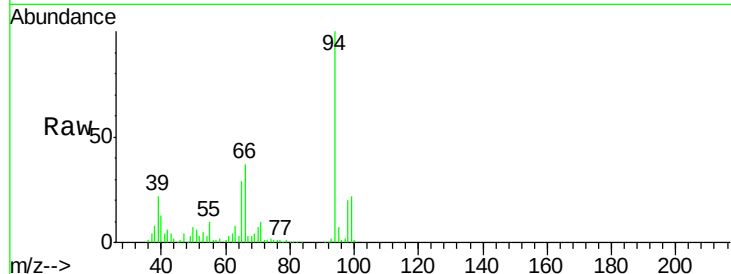




#10
Phenol
Concen: 7.38 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.01 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

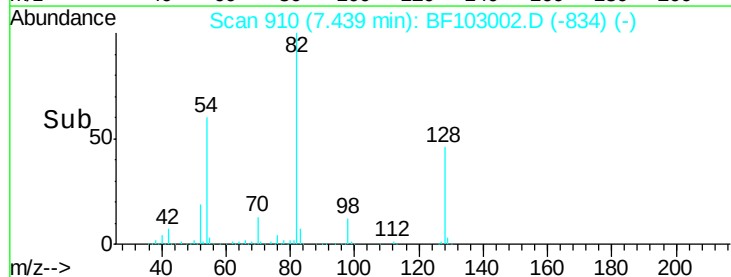
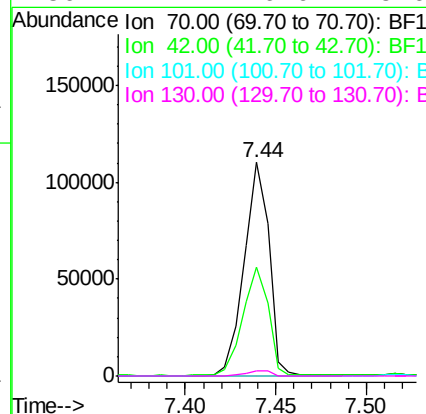
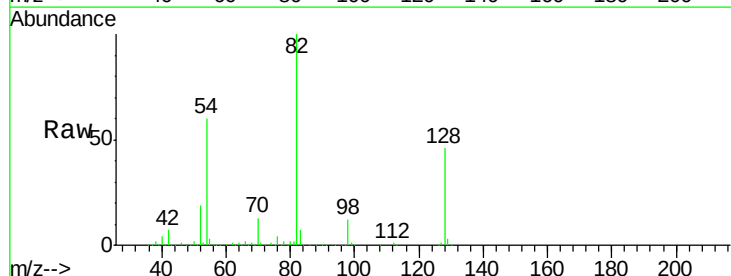
Instrument :
BNA_F
ClientSampleId :

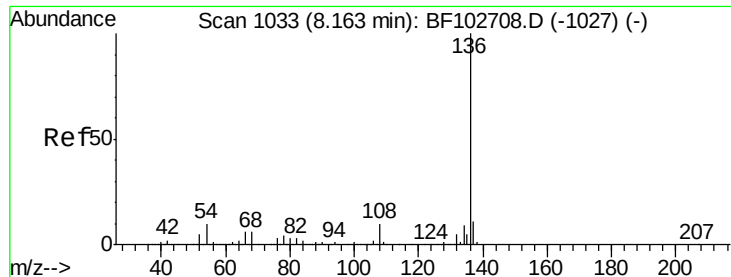
Tot Ion	Ratio	Lower	Upper
94	100		
65	28.9	7.9	47.9
66	37.2	16.2	56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.89 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

Tgt Ion	Ratio	Lower	Upper
70	100		
42	51.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

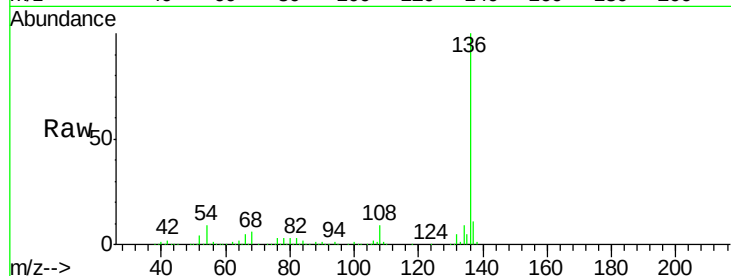




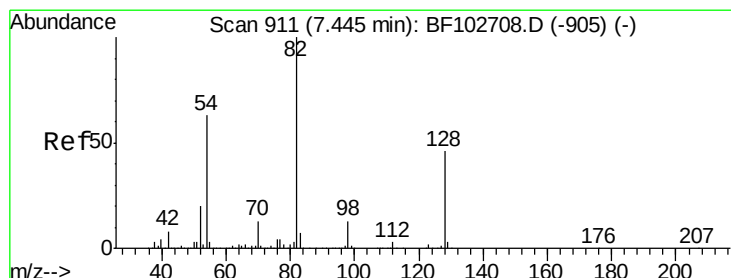
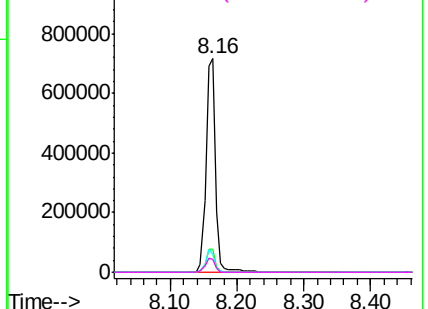
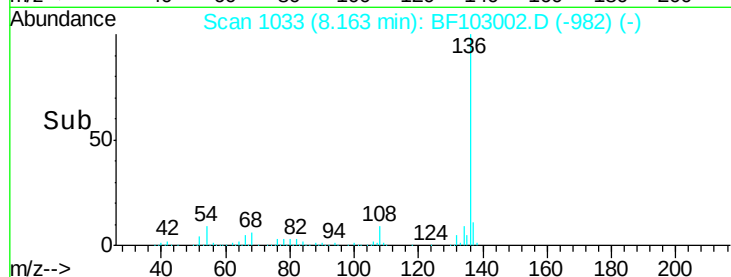
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	698543
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	8.6	6.6 9.8
68	5.9	5.0 7.4

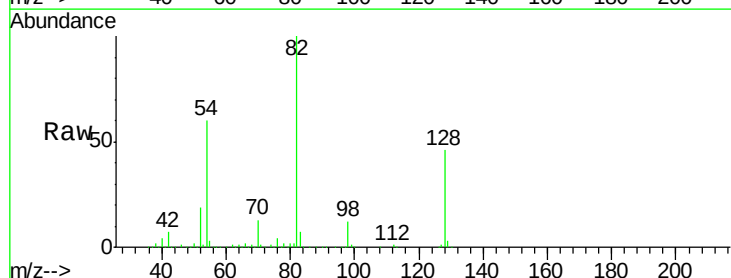


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

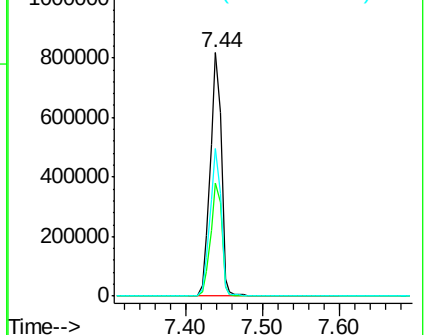
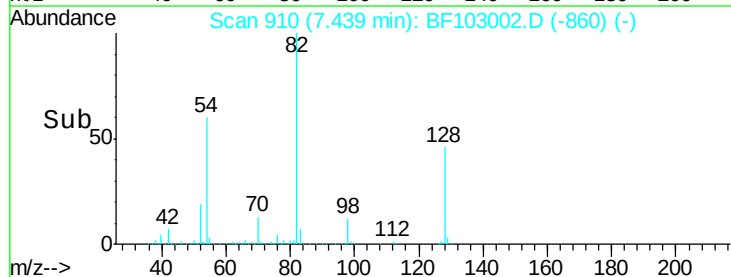


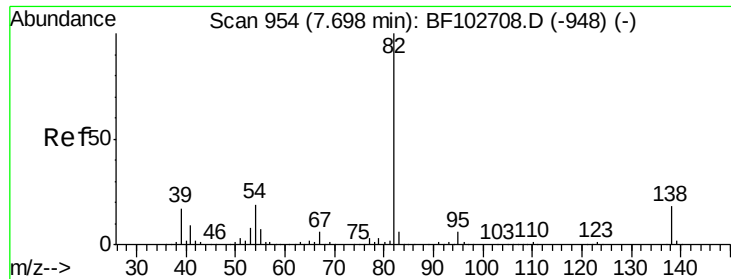
#23
Nitrobenzene-d5
Concen: 80.88 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

Tgt Ion: 82	Resp:	814422
Ion Ratio	Lower	Upper
82	100	
128	46.2	36.1 54.1
54	60.4	41.4 62.2



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





#25

Isophorone

Concen: 35.12 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

Instrument :

BNA_F

ClientSampled :

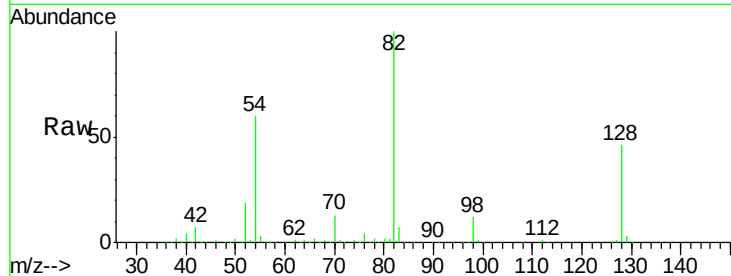
Tot Ion: 82 Resp: 814416

Ion Ratio Lower Upper

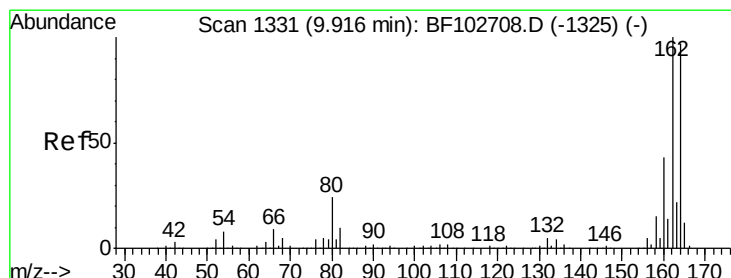
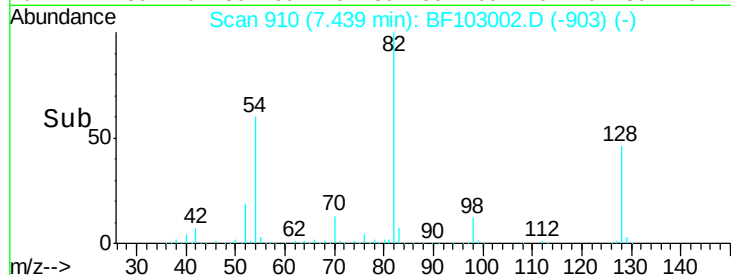
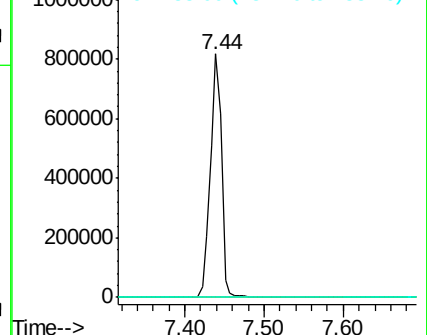
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

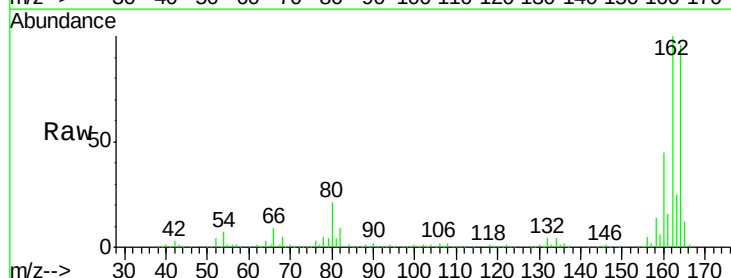
Tgt Ion: 164 Resp: 278125

Ion Ratio Lower Upper

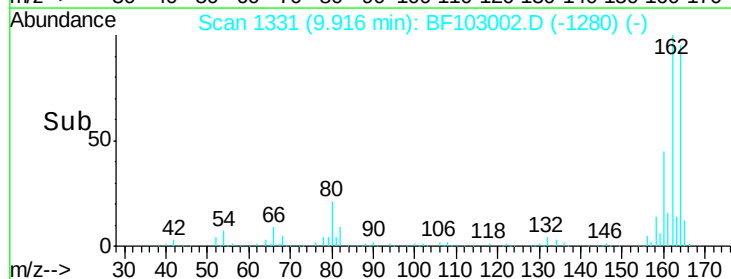
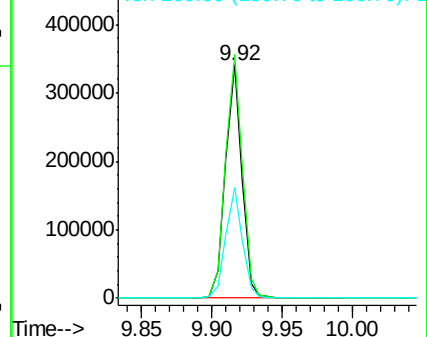
164 100

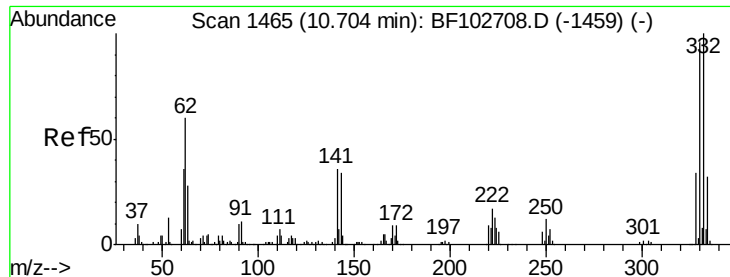
162 104.4 86.1 129.1

160 47.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

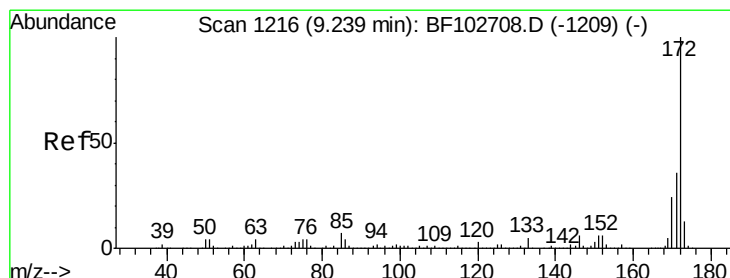
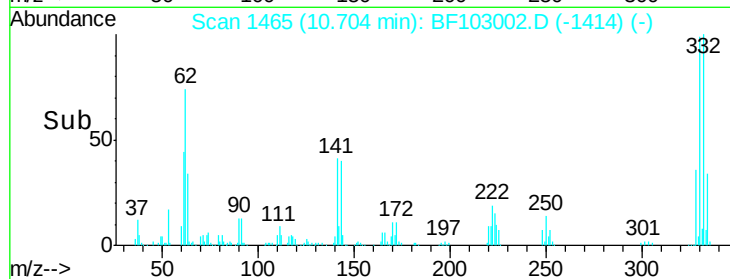
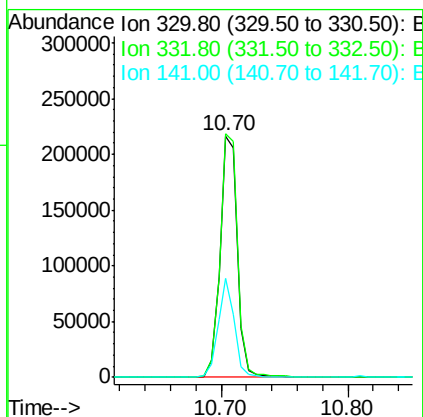
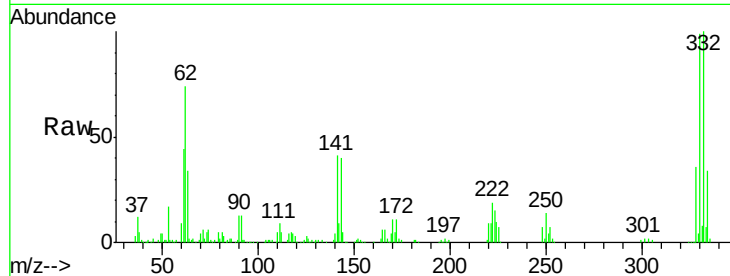




#41
 2,4,6-Tribromophenol
 Concen: 92.97 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103002.D
 Acq: 14 Feb 2018 21:02

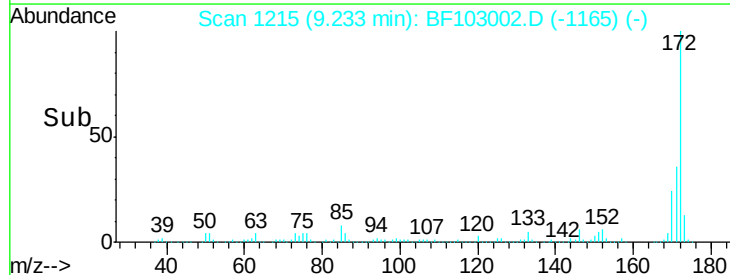
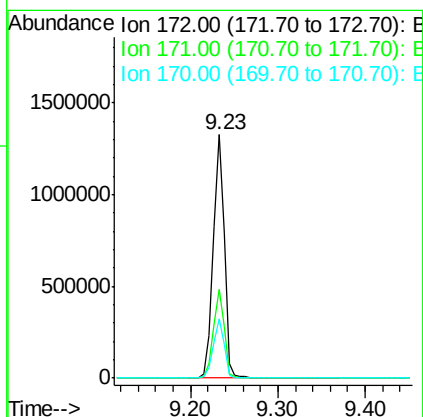
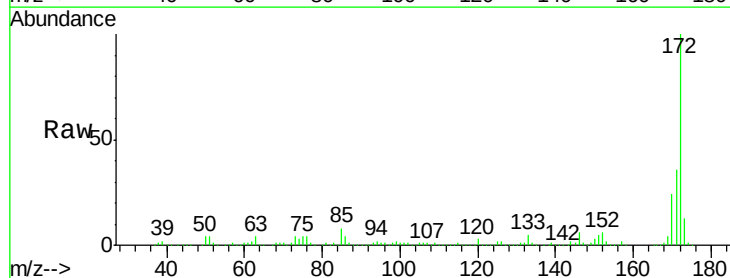
Instrument :
 BNA_F
 ClientSampled :

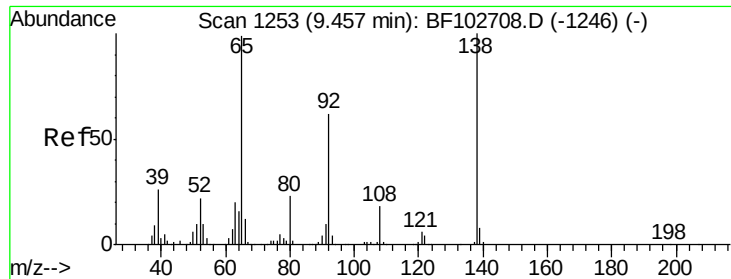
Tot Ion	Ratio	Lower	Upper
330	100		
332	102.2	77.0	115.6
141	38.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 70.27 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103002.D
 Acq: 14 Feb 2018 21:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	19.6	29.4





#47

2-Nitroaniline

Concen: 3.50 ng

RT: 9.37 min Scan# 1238

Delta R.T. -0.09 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

Instrument :

BNA_F

ClientSampled :

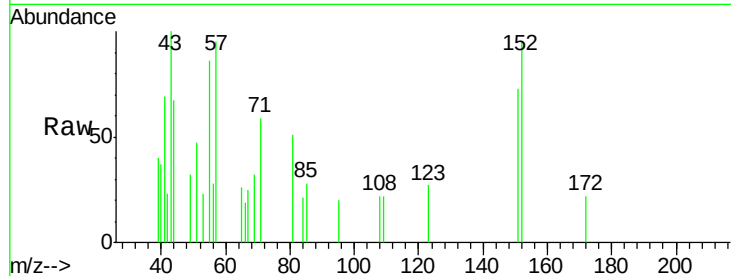
Tot Ion: 65 Resp: 143

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

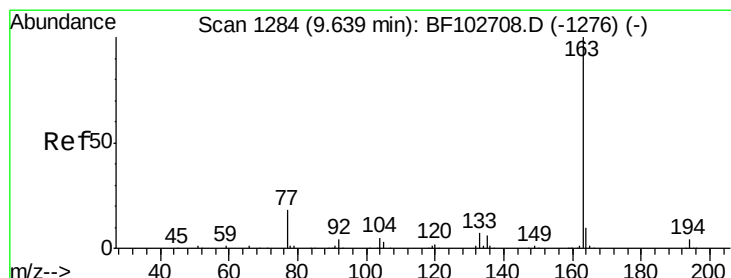
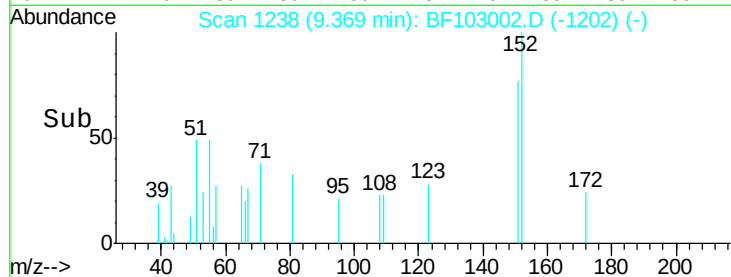
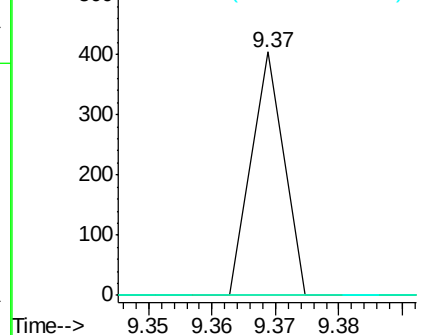
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 5.50 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

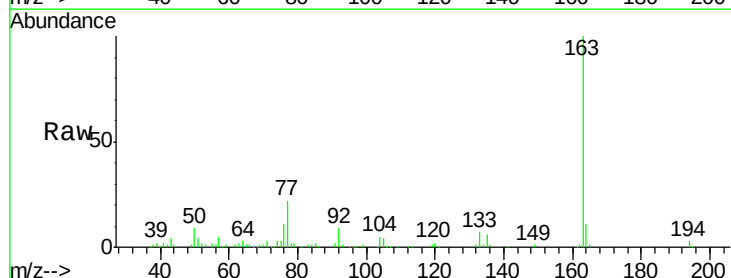
Tgt Ion:163 Resp: 119194

Ion Ratio Lower Upper

163 100

194 2.8 2.7 4.1

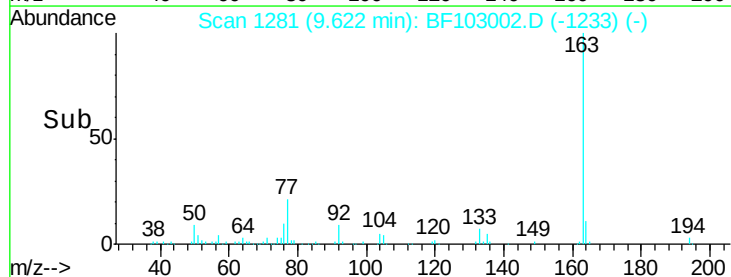
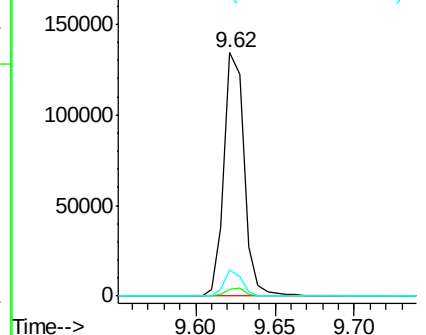
164 10.8 8.2 12.2

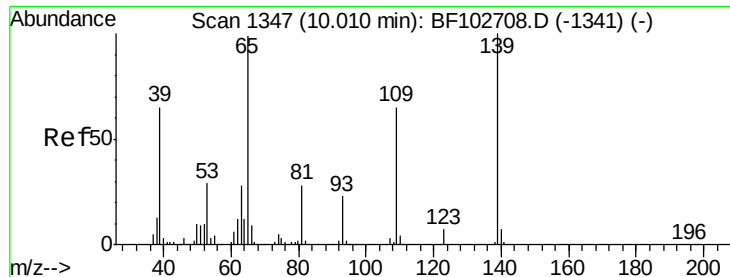


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

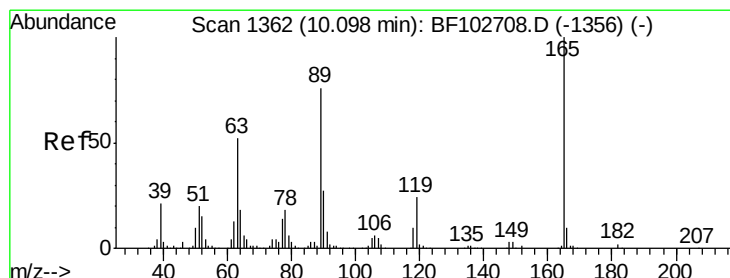
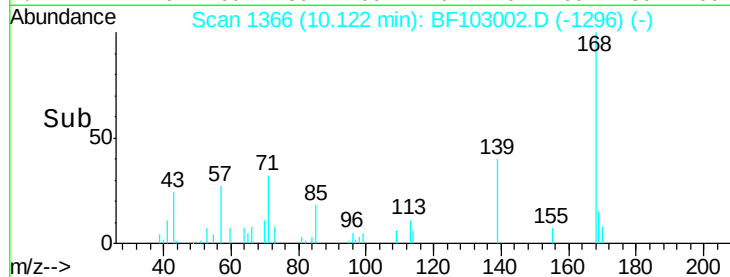
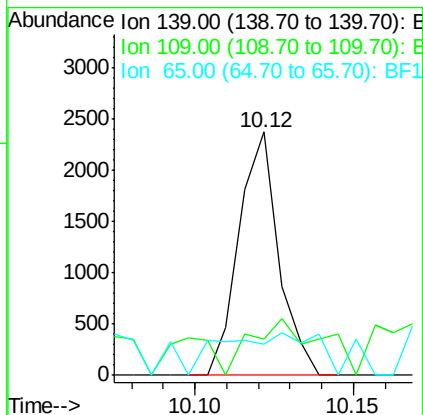
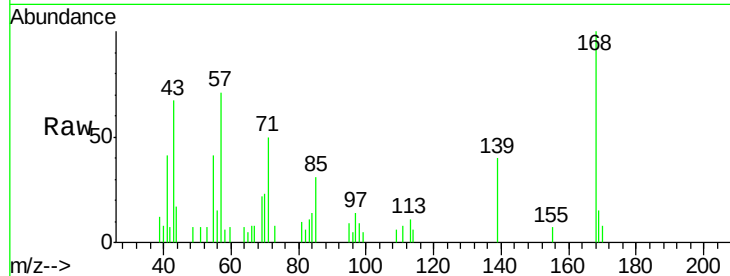




#55
4-Nitrophenol
Concen: 4.49 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.11 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

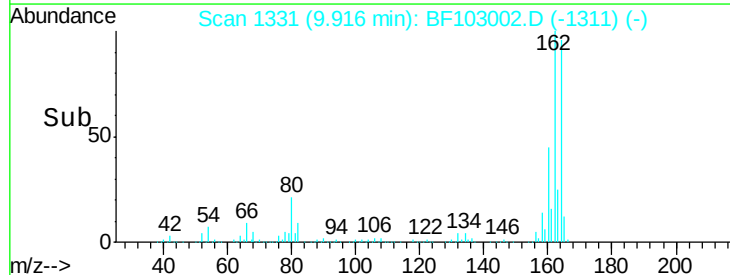
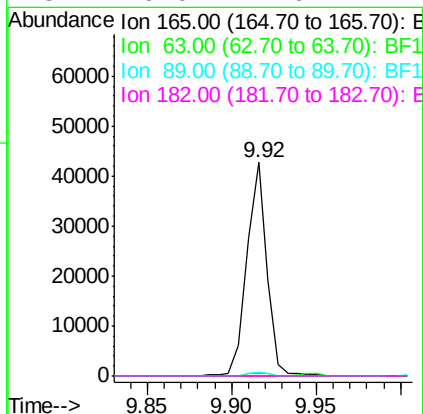
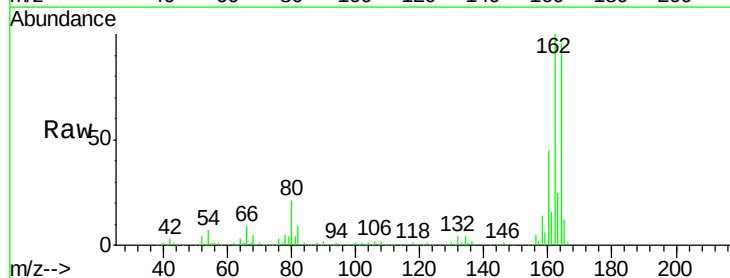
Instrument :
BNA_F
ClientSampleId :

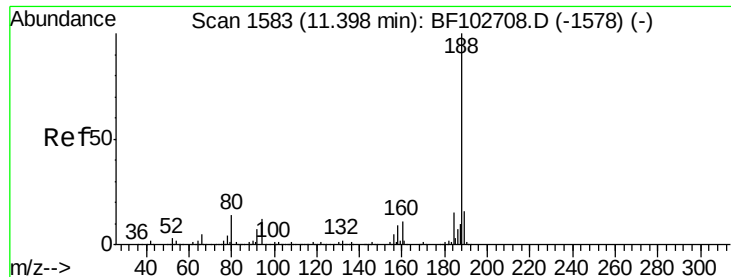
Tot Ion:139 Resp: 2065
Ion Ratio Lower Upper
139 100
109 14.8 48.4 88.4#
65 12.7 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.12 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF103002.D
Acq: 14 Feb 2018 21:02

Tgt Ion:165 Resp: 35714
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 2.0 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

Instrument :

BNA_F

ClientSampleId :

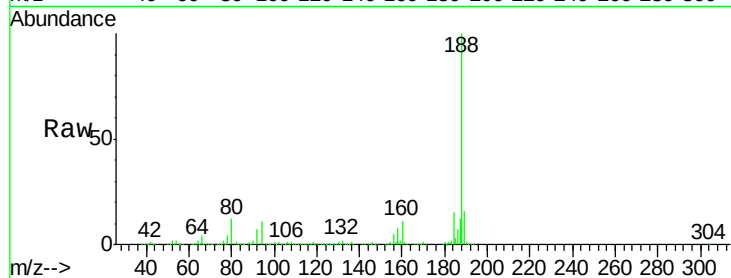
Tot Ion:188 Resp: 423095

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

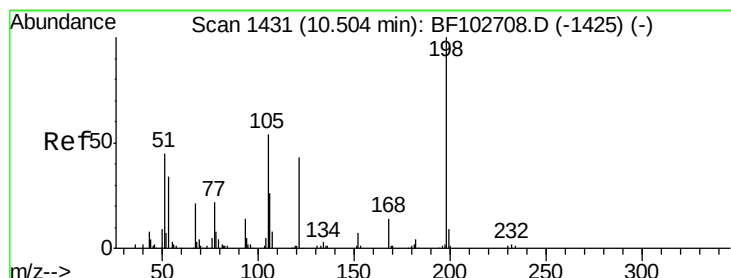
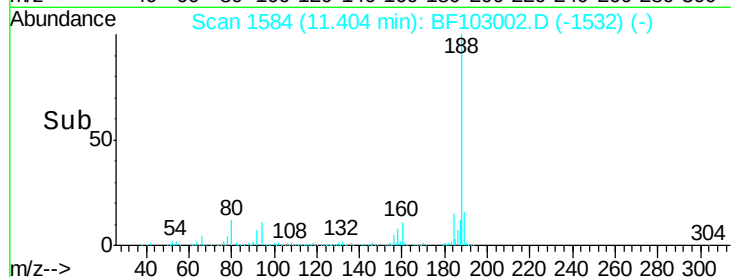
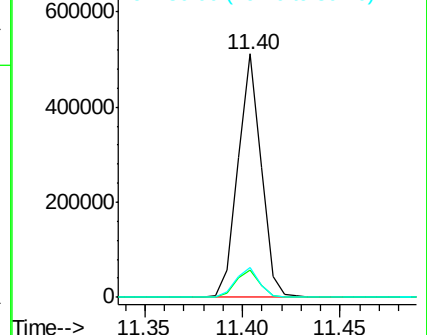
80 12.3 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 9.10 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.21 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

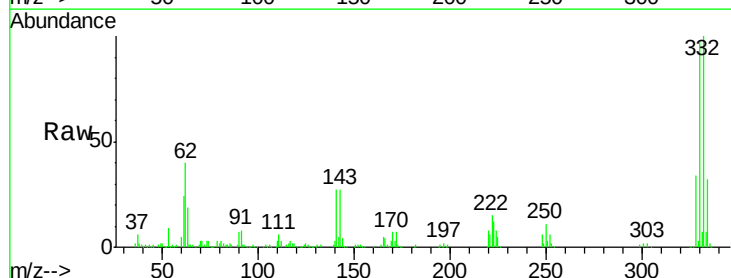
Tgt Ion:198 Resp: 588

Ion Ratio Lower Upper

198 100

51 120.8 37.7 77.7#

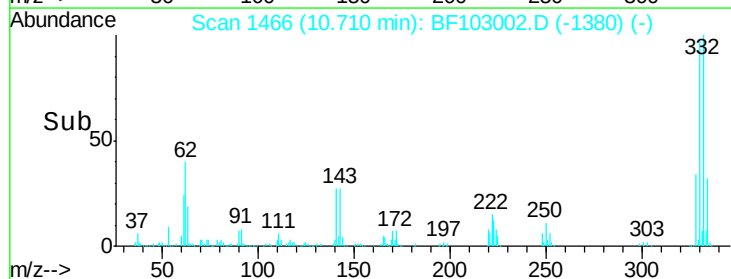
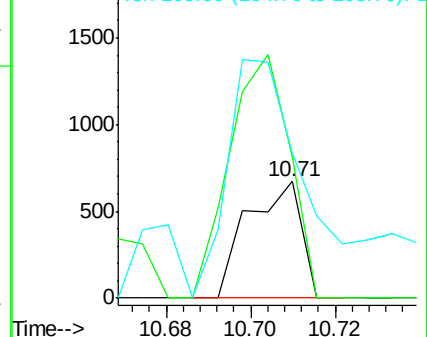
105 124.7 36.3 76.3#

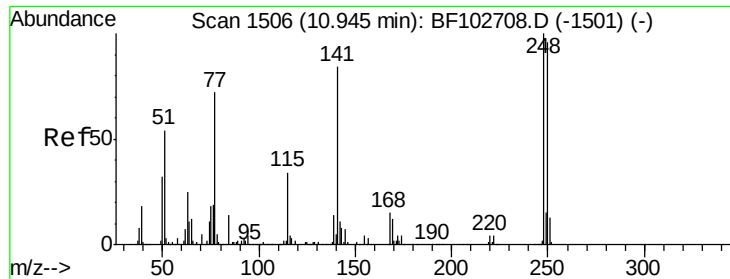


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

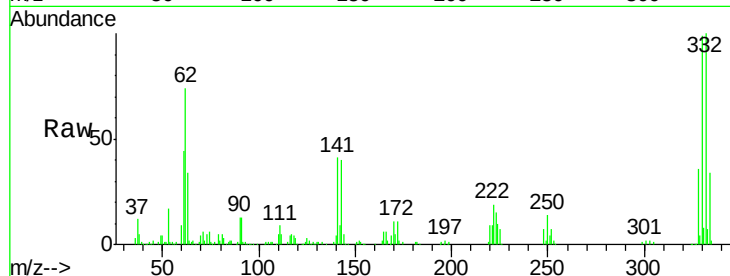




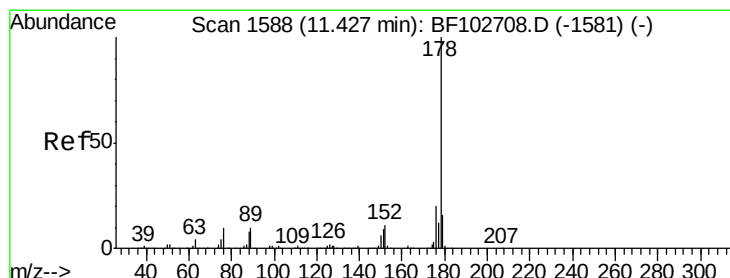
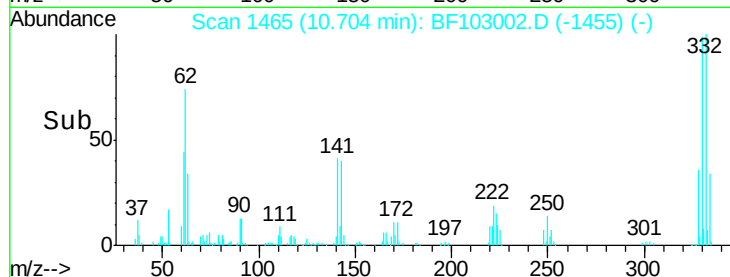
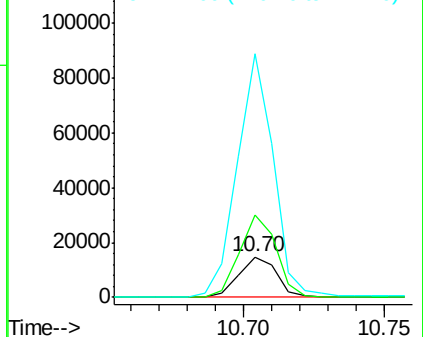
#66
 4-Bromophenyl-phenylether
 Concen: 3.05 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103002.D
 Acq: 14 Feb 2018 21:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13663
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.9 115.3#
 141 600.9 74.4 111.6#

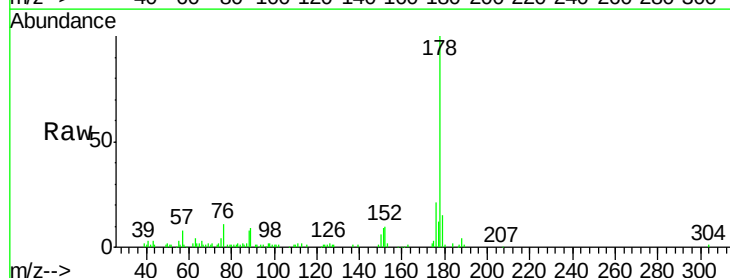


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

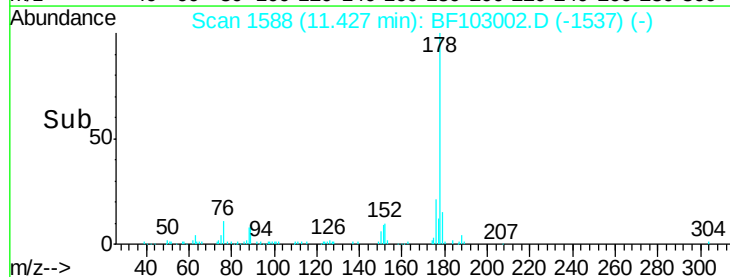
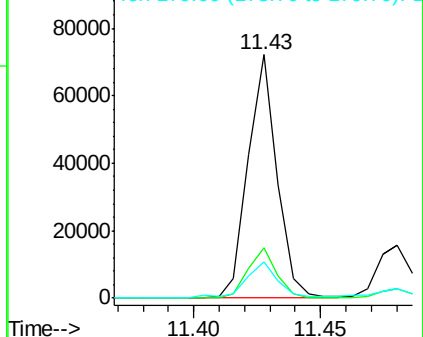


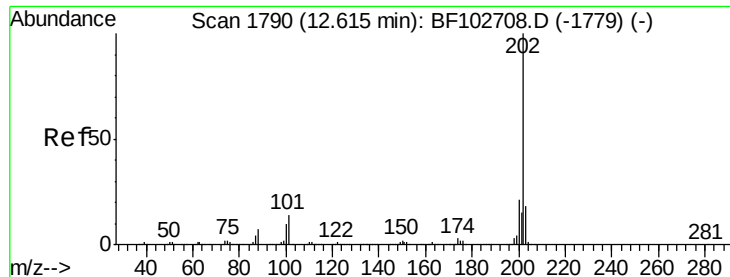
#70
 Phenanthrene
 Concen: 2.44 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF103002.D
 Acq: 14 Feb 2018 21:02

Tgt Ion:178 Resp: 57449
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 15.0 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





#74

Fluoranthene

Concen: 2.37 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

Instrument :

BNA_F

ClientSampleId :

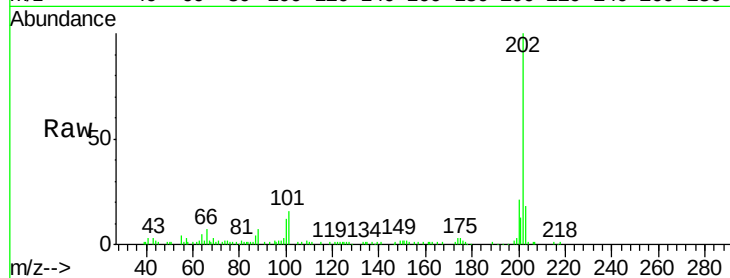
Tot Ion:202 Resp: 56219

Ion Ratio Lower Upper

202 100

101 15.7 0.0 34.1

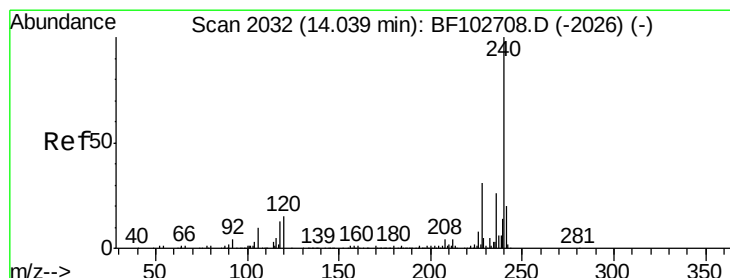
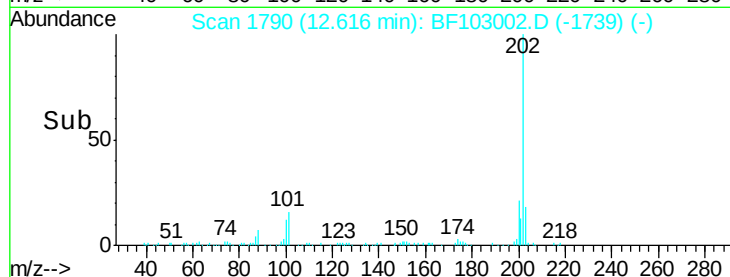
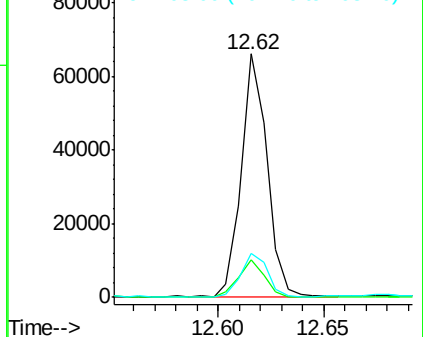
203 18.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

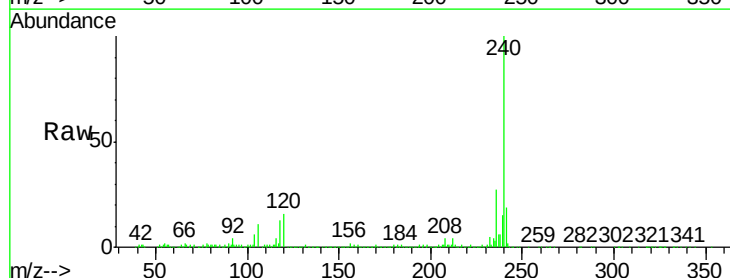
Tgt Ion:240 Resp: 344533

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

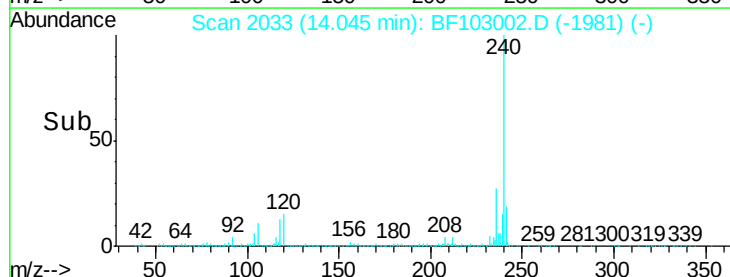
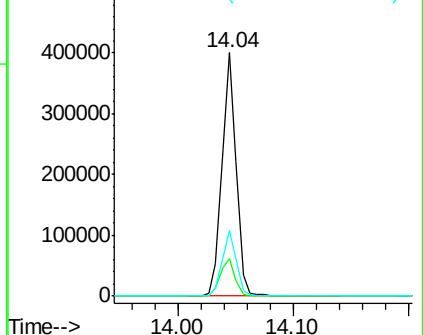
236 27.1 20.7 31.1

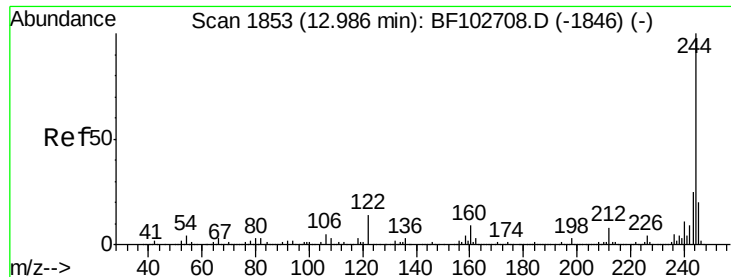


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 64.89 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

Instrument :

BNA_F

ClientSampleId :

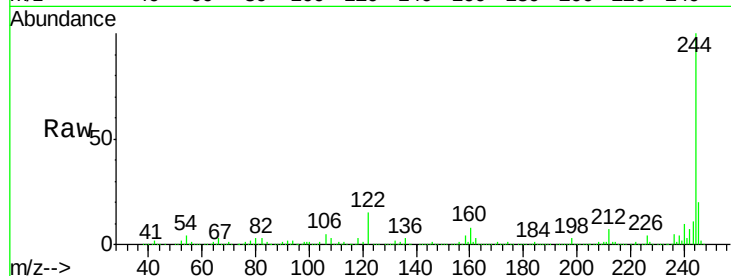
Tot Ion:244 Resp: 944267

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

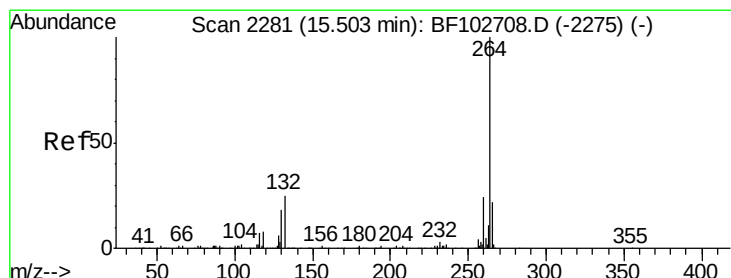
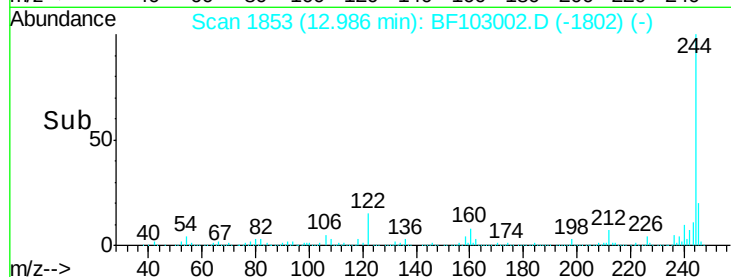
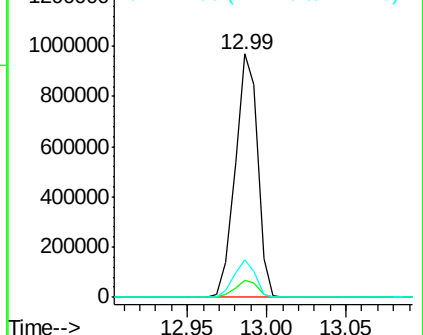
122 15.2 11.0 16.4



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: 20.00 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.02 min

Lab File: BF103002.D

Acq: 14 Feb 2018 21:02

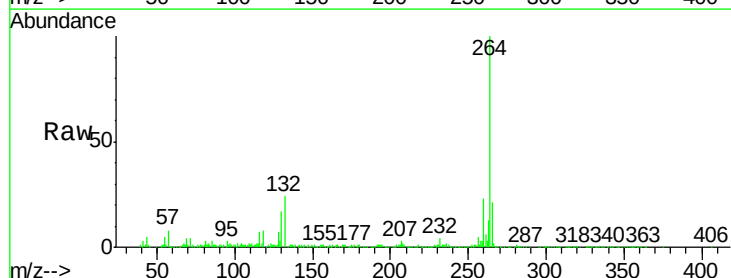
Tgt Ion:264 Resp: 267844

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.1 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

