

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021518\
 Data File : BF103039.D
 Acq On : 16 Feb 2018 3:05
 Operator : SJ/JU
 Sample : J1402-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 04:19:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	182078	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	753746	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	318605	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	457715	20.00	ng	0.00
75) Chrysene-d12	14.04	240	325499	20.00	ng	0.00
86) Perylene-d12	15.53	264	264029	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1053396	87.86	ng	0.01
7) Phenol-d6	6.51	99	1140380	79.00	ng	0.00
23) Nitrobenzene-d5	7.44	82	850495	78.27	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	203750	79.45	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1375648	71.65	ng	0.00
78) Terphenyl-d14	12.99	244	968817	70.47	ng	0.00

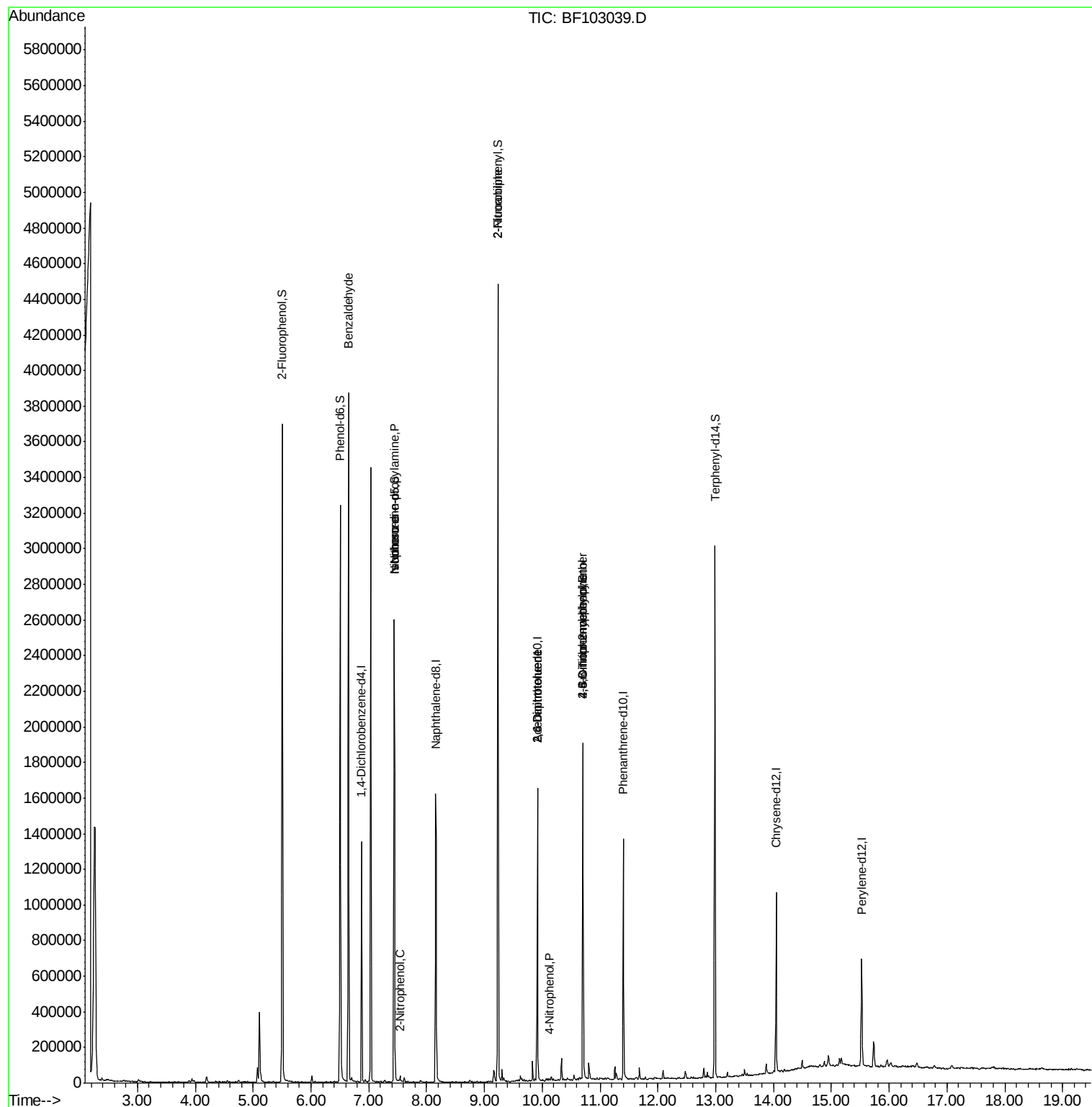
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	22840	2.13	ng	87
19) n-Nitroso-di-n-propylamine	7.44	70	111776	11.74	ng	# 81
25) Isophorone	7.44	82	850481	33.99	ng	# 64
26) 2-Nitrophenol	7.54	139	110	8.68	ng	# 34
47) 2-Nitroaniline	9.23	65	2628	3.85	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	40567	8.58	ng	# 26
55) 4-Nitrophenol	10.12	139	405	4.10	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	40567	9.07	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	383	8.98	ng	89
66) 4-Bromophenyl-phenylether	10.70	248	12837	2.65	ng	# 1

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

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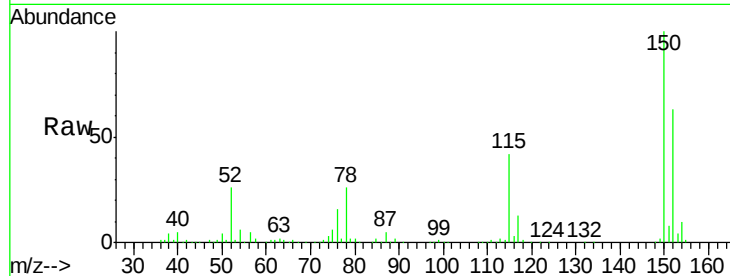


#1

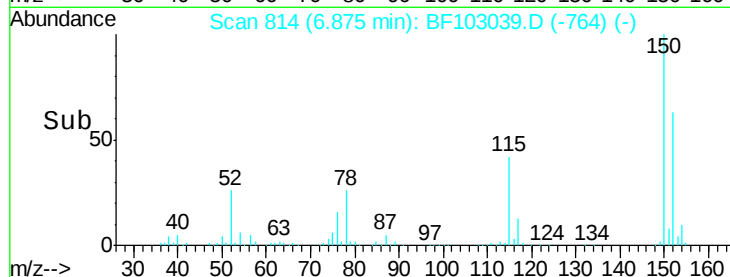
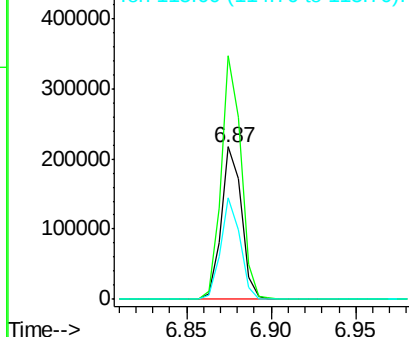
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103039.D
Acq: 16 Feb 2018 3:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 182078
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 66.2 50.1 75.1



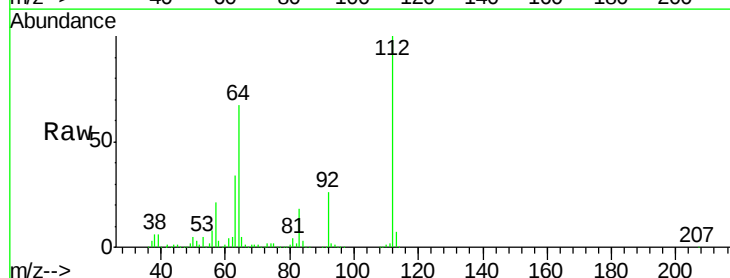
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



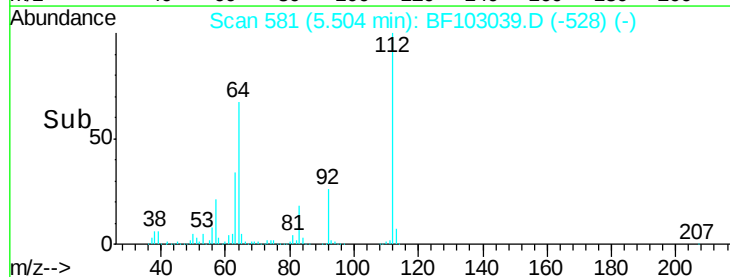
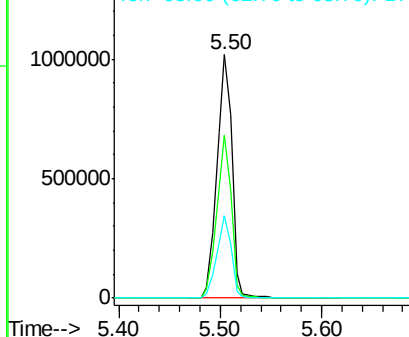
#5

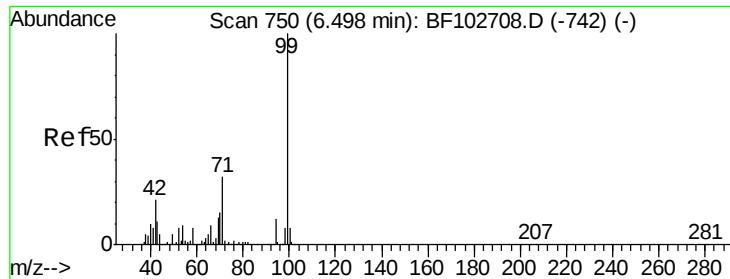
2-Fluorophenol
Concen: 87.86 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103039.D
Acq: 16 Feb 2018 3:05

Tgt Ion:112 Resp: 1053396
Ion Ratio Lower Upper
112 100
64 67.0 47.9 71.9
63 33.8 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: 79.00 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

Instrument :

BNA_F

ClientSampled :

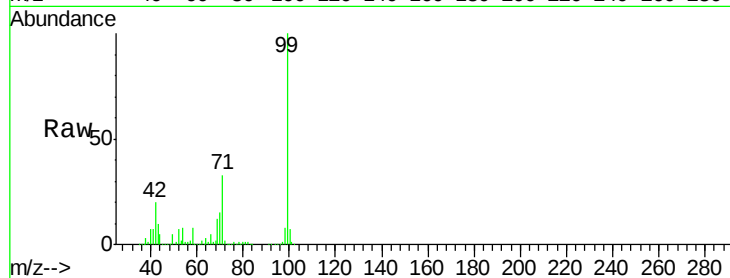
Tot Ion: 99 Resp: 1140380

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

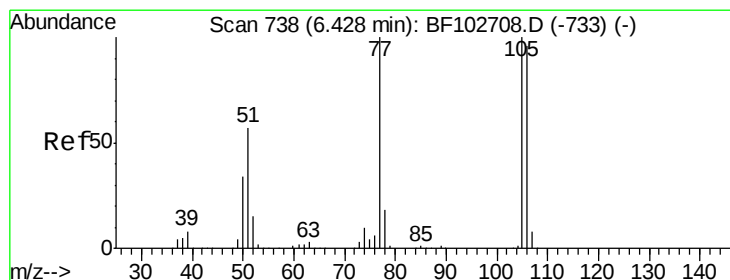
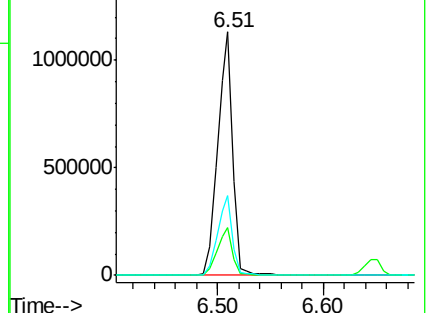
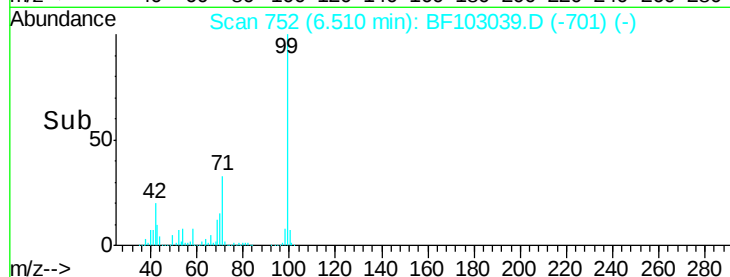
71 32.9 25.4 38.0



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: 2.13 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

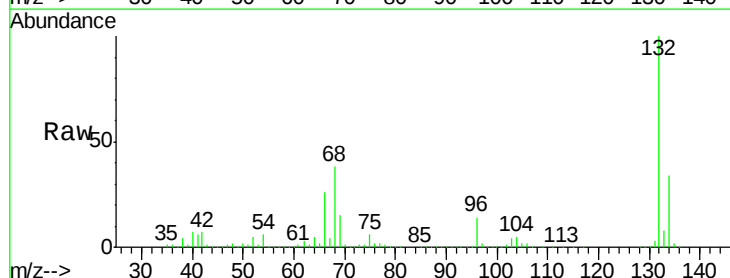
Tgt Ion: 77 Resp: 22840

Ion Ratio Lower Upper

77 100

105 87.5 81.1 121.1

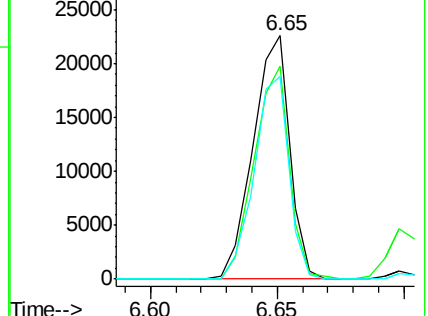
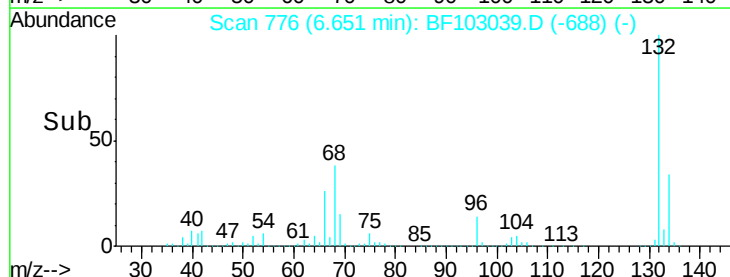
106 83.4 74.5 114.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 11.74 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 111776

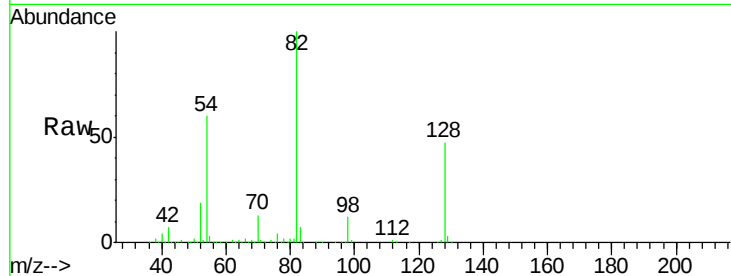
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

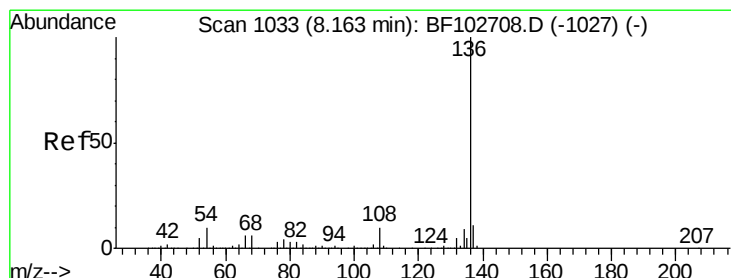
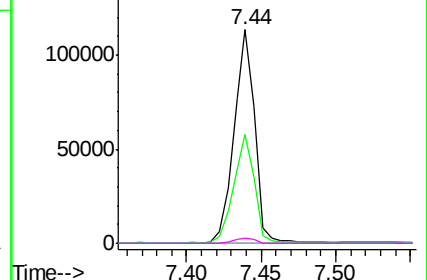
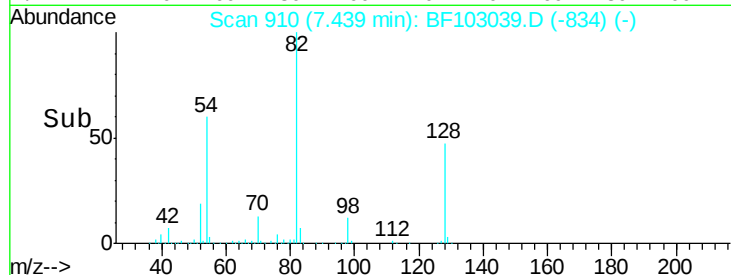


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

Tgt Ion: 136 Resp: 753746

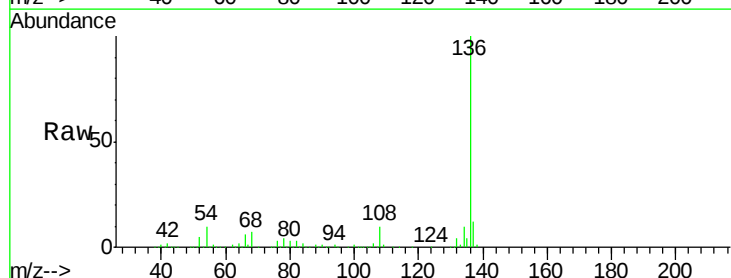
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.2 6.6 9.8#

68 7.0 5.0 7.4

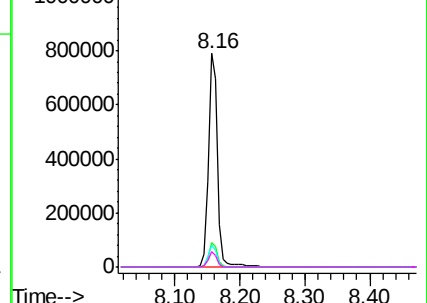
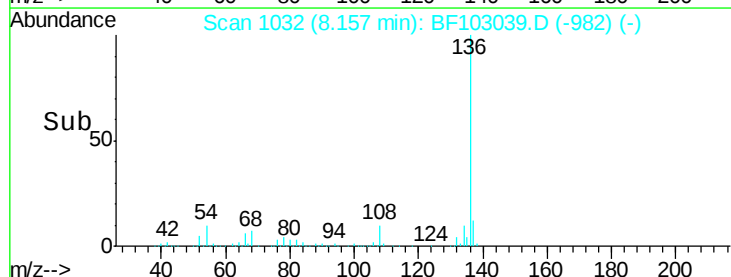


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

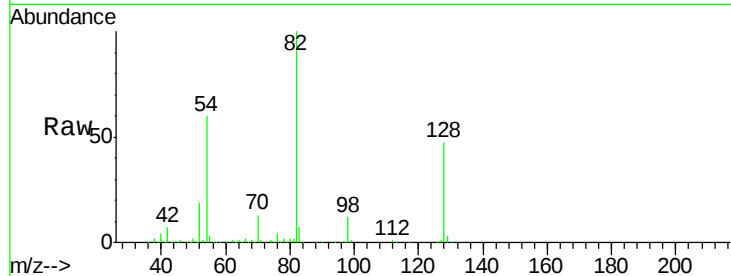




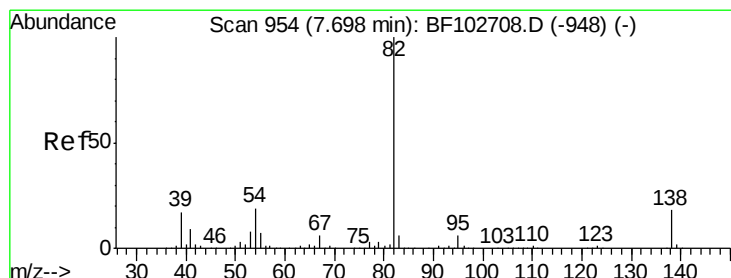
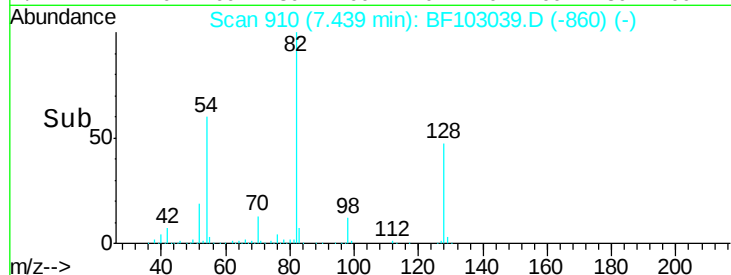
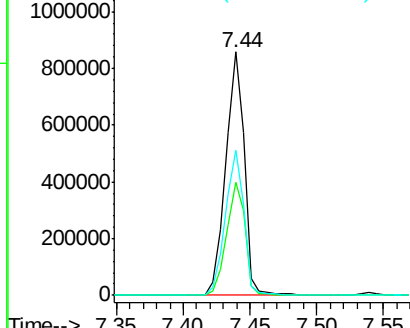
#23
Nitrobenzene-d5
Concen: 78.27 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103039.D
Acq: 16 Feb 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	59.8	41.4	62.2

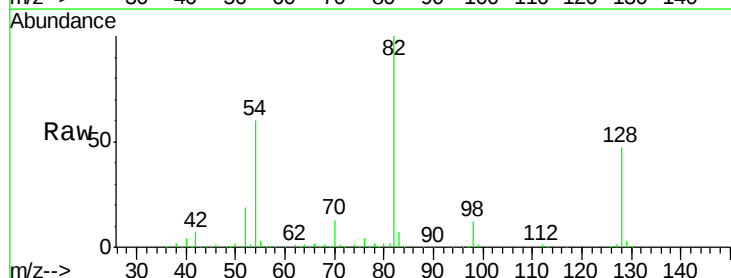


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

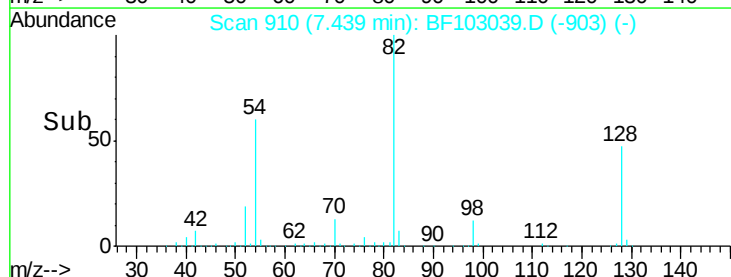
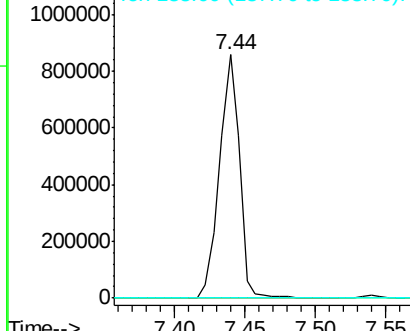


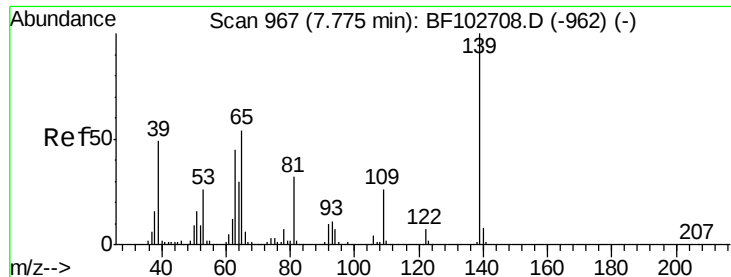
#25
Isophorone
Concen: 33.99 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103039.D
Acq: 16 Feb 2018 3:05

Tgt 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

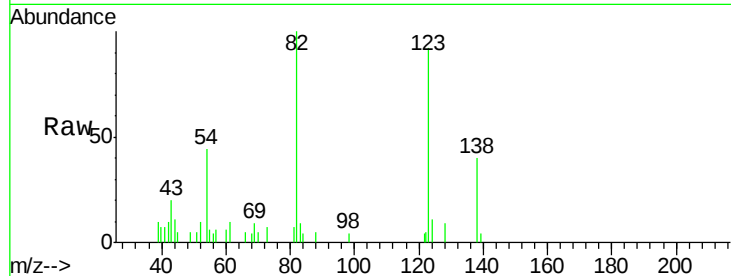




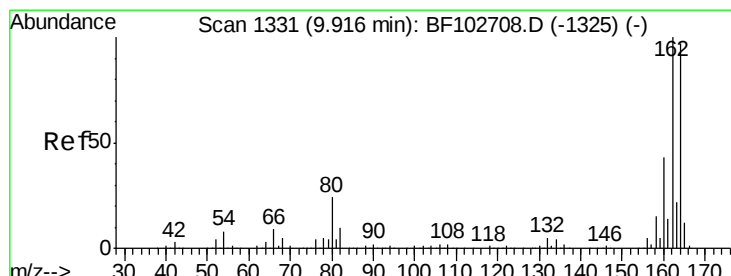
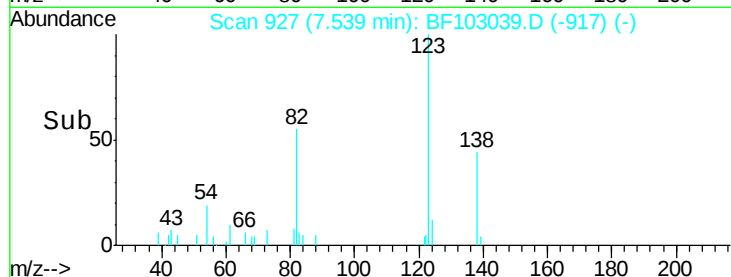
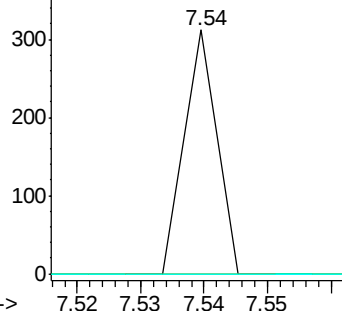
#26
2-Nitrophenol
Concen: 8.68 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.24 min
Lab File: BF103039.D
Acq: 16 Feb 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 110
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 40.5 60.7#

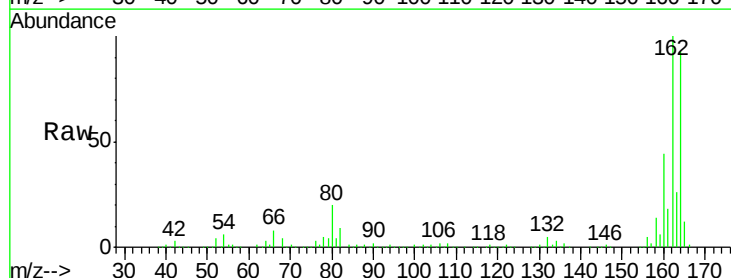


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

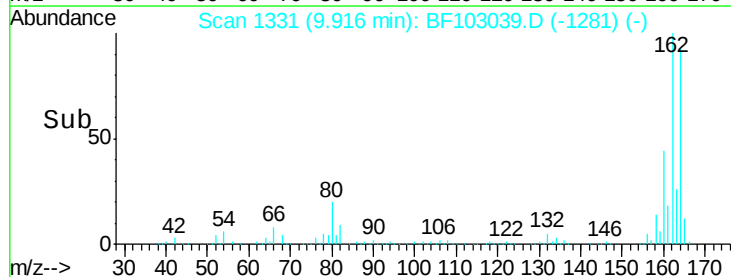
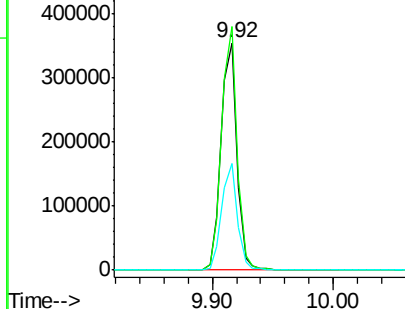


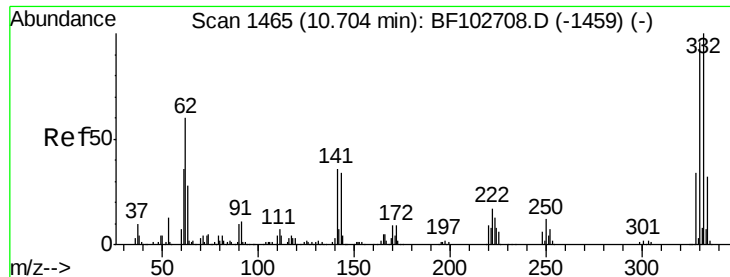
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103039.D
Acq: 16 Feb 2018 3:05

Tgt Ion:164 Resp: 318605
Ion Ratio Lower Upper
164 100
162 107.2 86.1 129.1
160 46.7 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

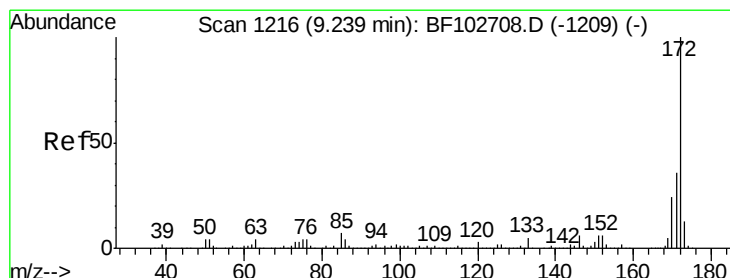
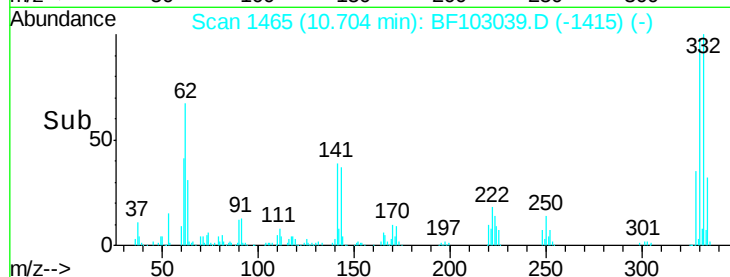
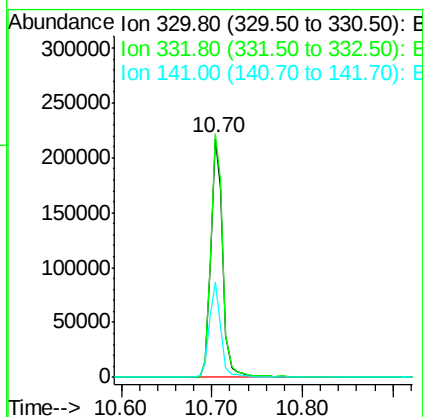
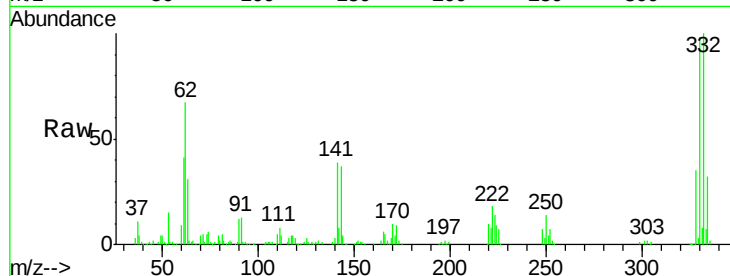




#41
 2,4,6-Tribromophenol
 Concen: 79.45 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

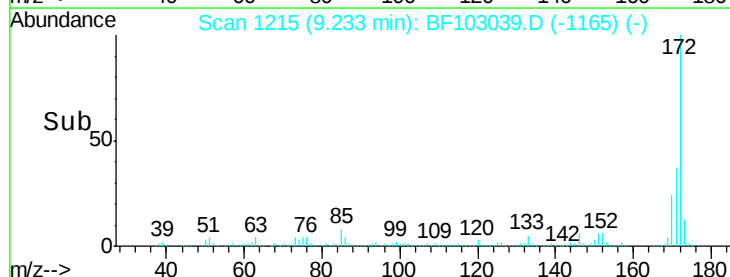
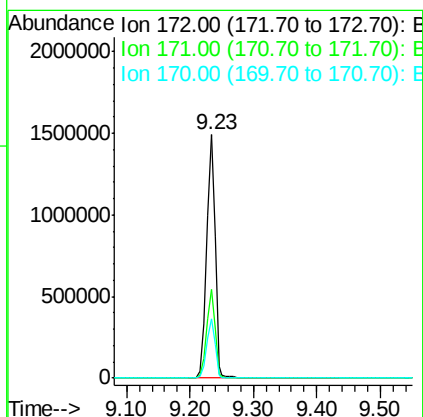
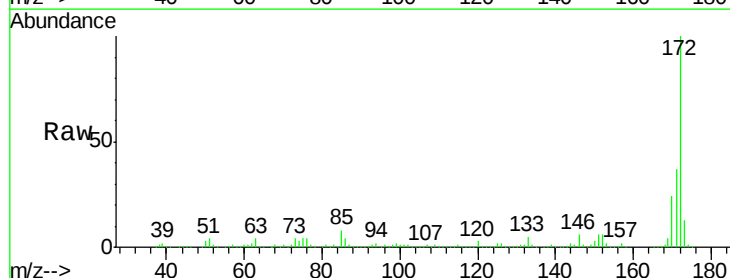
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	38.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 71.65 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4

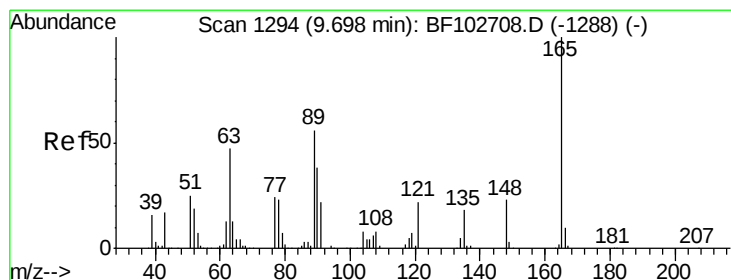
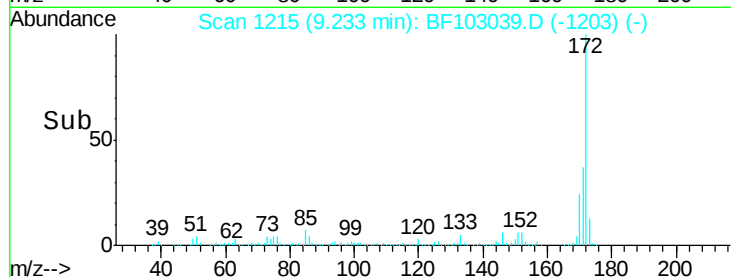
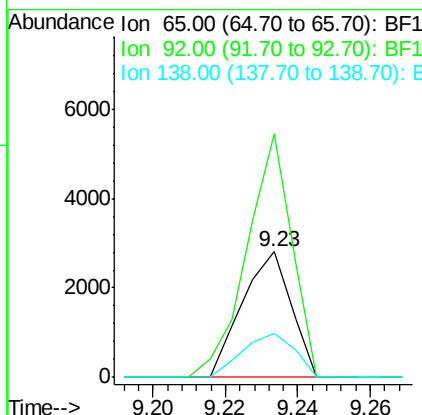
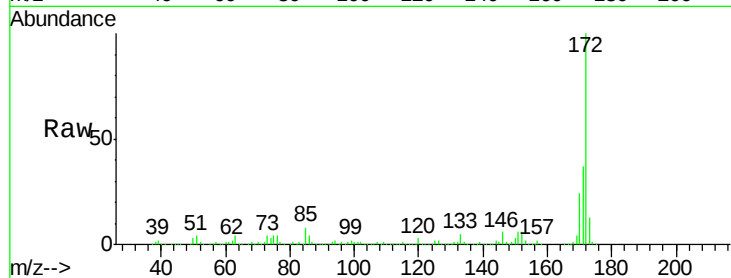




#47
 2-Nitroaniline
 Concen: 3.85 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

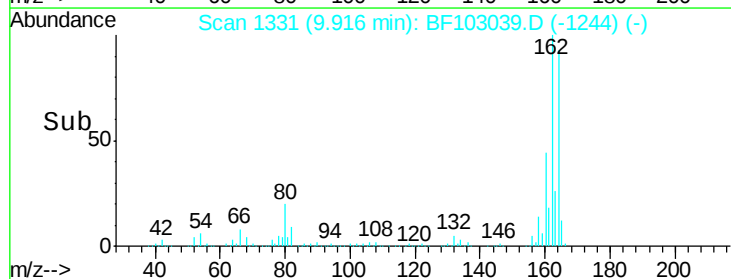
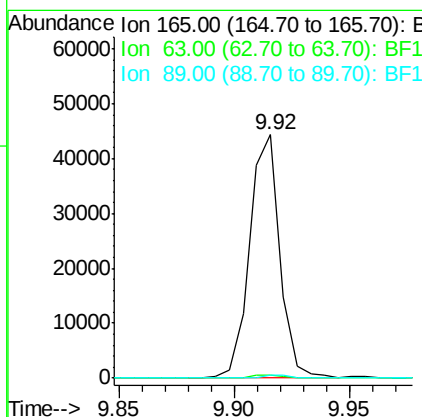
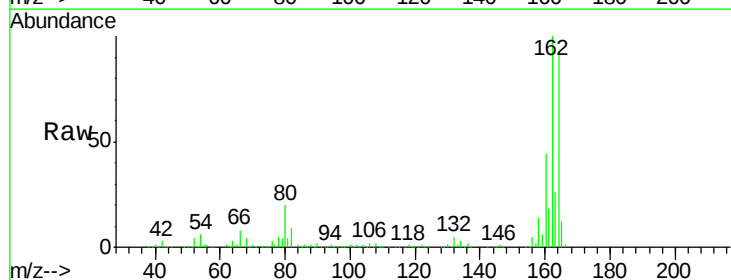
Instrument :
 BNA_F
 ClientSampleId :

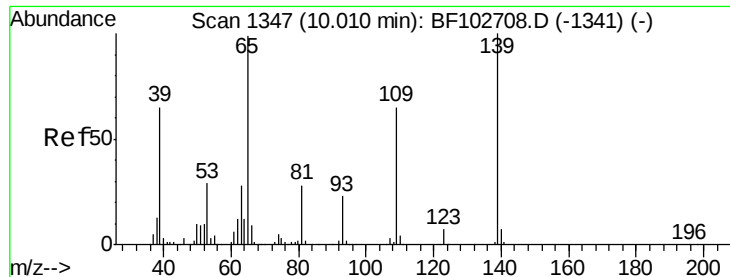
Tot Ion	Ratio	Lower	Upper
65	100		
92	193.9	55.8	83.6#
138	35.2	91.2	136.8#



#50
 2,6-Dinitrotoluene
 Concen: 8.58 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

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





#55

4-Nitrophenol

Concen: 4.10 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.09 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

Instrument :

BNA_F

ClientSampled :

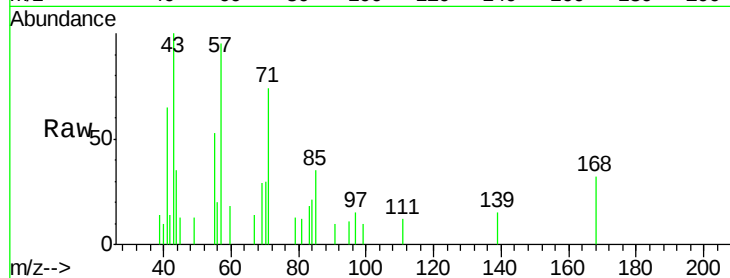
Tot Ion:139 Resp: 405

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

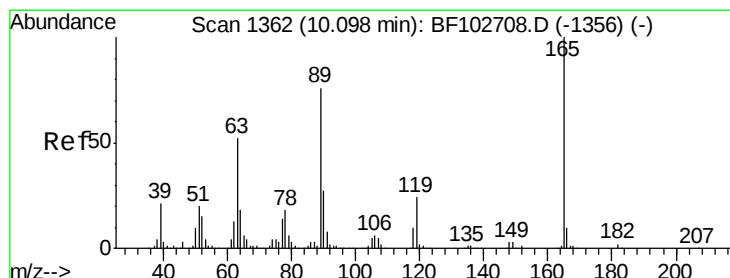
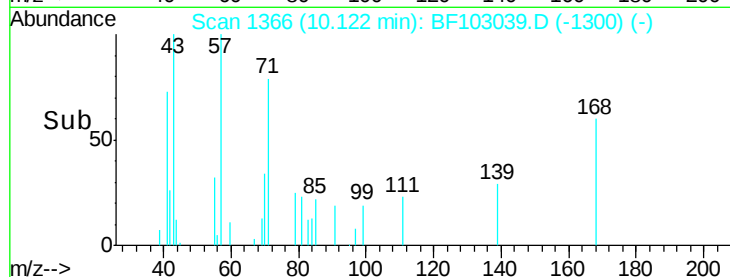
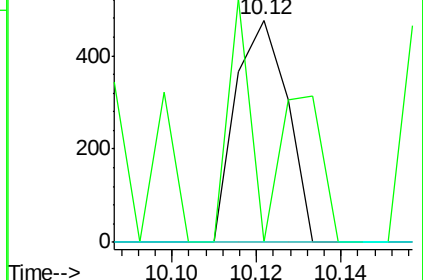
65 0.0 72.6 112.6#



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



#56

2,4-Dinitrotoluene

Concen: 9.07 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

Tgt Ion:165 Resp: 40567

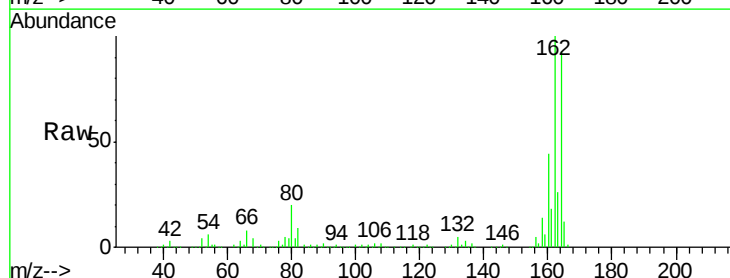
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

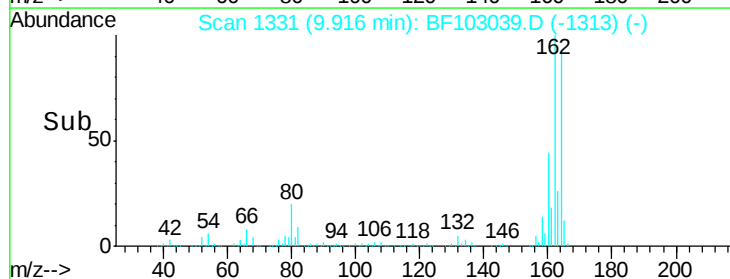
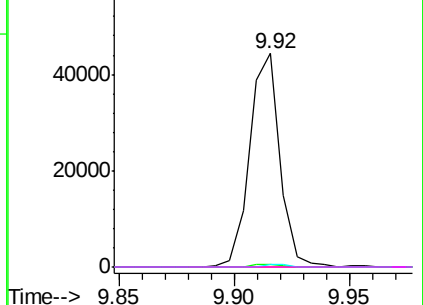


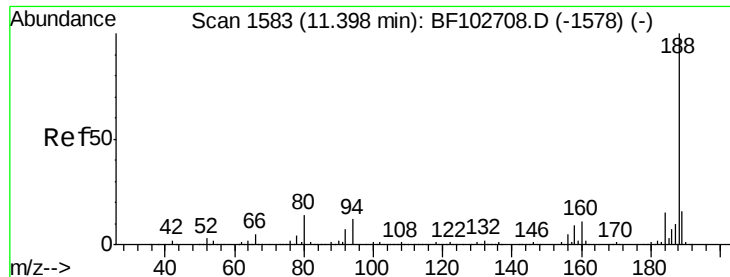
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

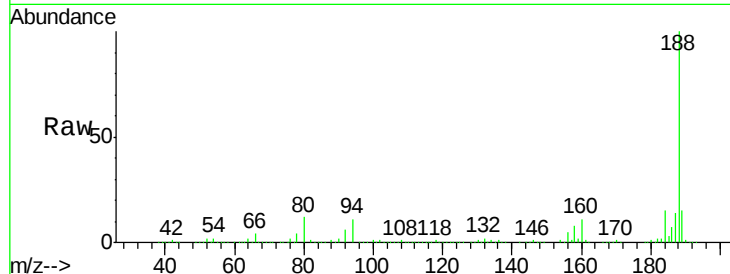




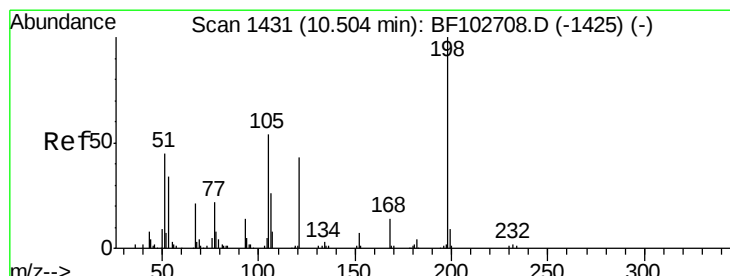
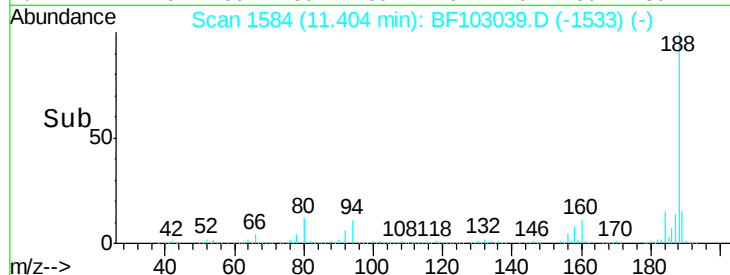
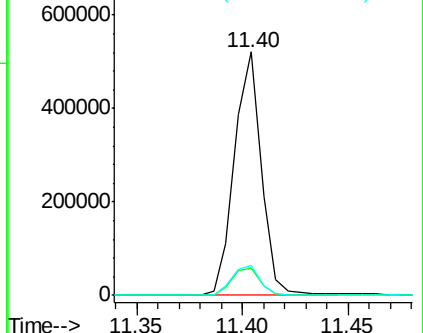
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 457715
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.2 9.2 13.8

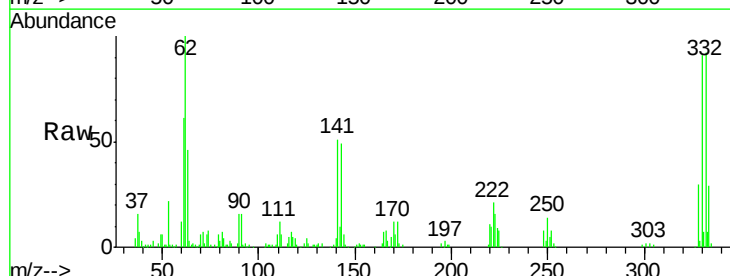


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

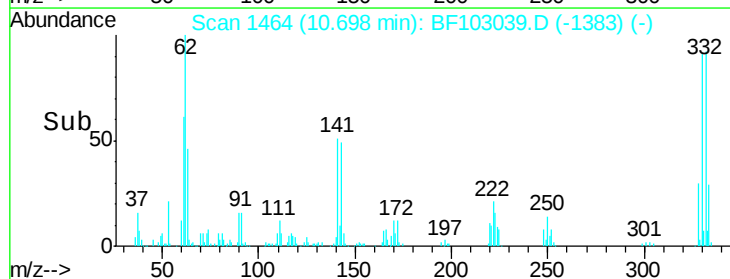
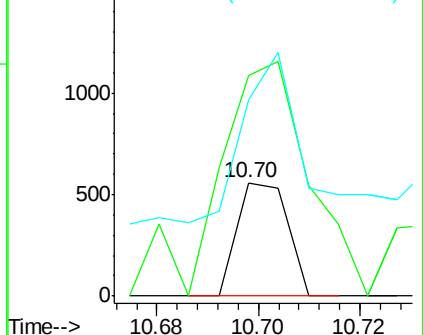


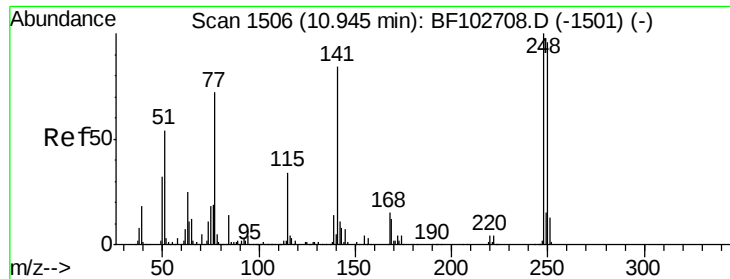
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.98 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

Tgt Ion:198 Resp: 383
 Ion Ratio Lower Upper
 198 100
 51 51.6 37.7 77.7
 105 45.7 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

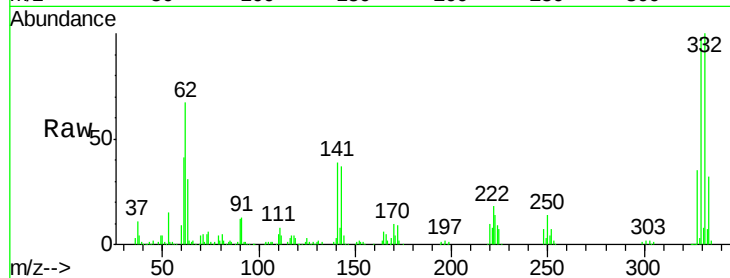




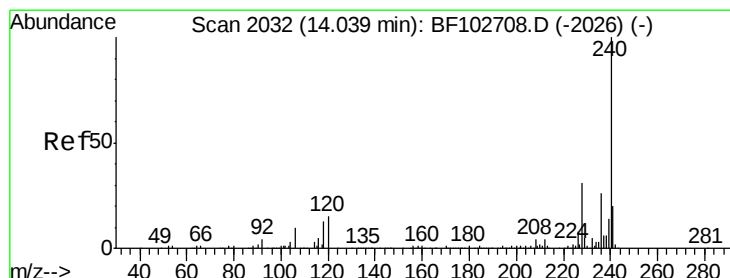
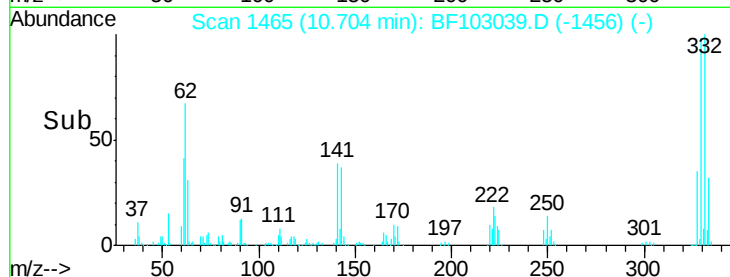
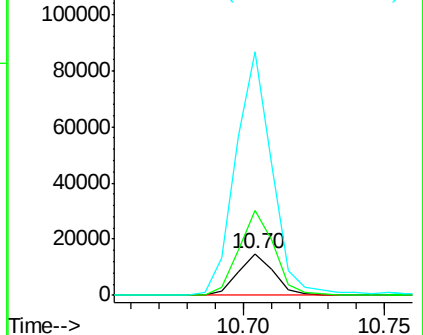
#66
 4-Bromophenyl-phenylether
 Concen: 2.65 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	205.9	76.9	115.3#
141	587.4	74.4	111.6#

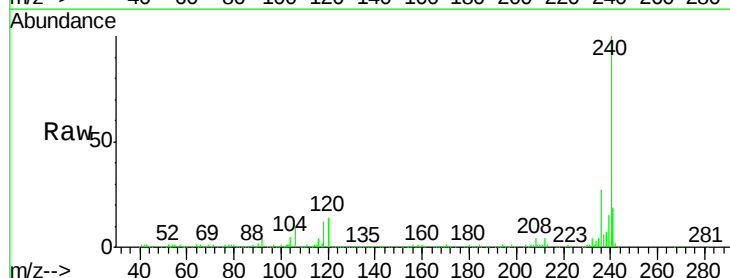


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

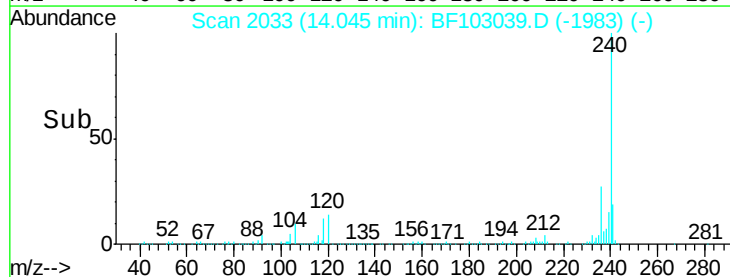
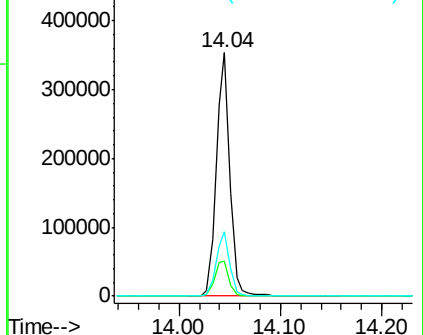


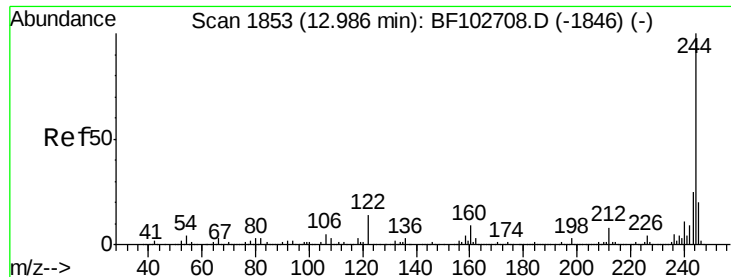
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103039.D
 Acq: 16 Feb 2018 3:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	26.6	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: 70.47 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

Instrument :

BNA_F

ClientSampled :

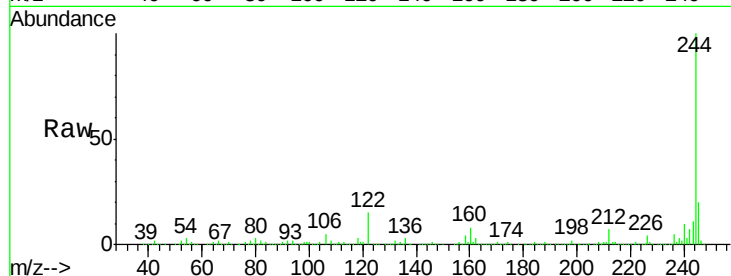
Tot Ion:244 Resp: 968817

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

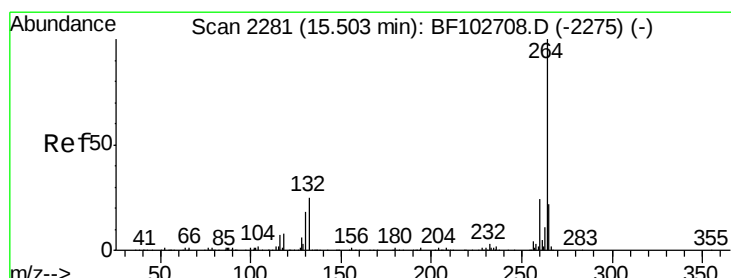
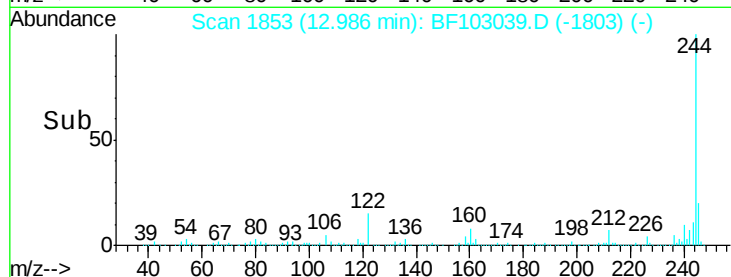
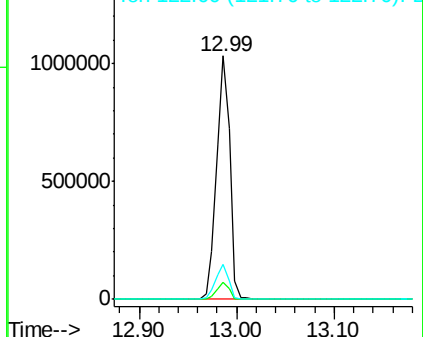
122 14.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF103039.D

Acq: 16 Feb 2018 3:05

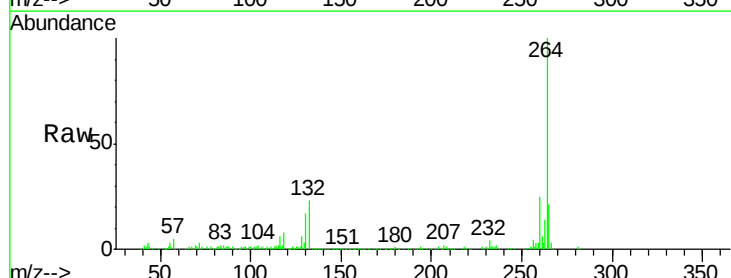
Tgt Ion:264 Resp: 264029

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

