

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102811.D
 Acq On : 7 Feb 2018 13:20
 Operator : SJ/JU
 Sample : J1458-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:13:27 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 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	194290	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	810858	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	373508	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	651999	20.00	ng	0.00
75) Chrysene-d12	14.04	240	500683	20.00	ng	0.00
86) Perylene-d12	15.52	264	399264	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1322768	103.39	ng	0.01
7) Phenol-d6	6.51	99	1578828	102.49	ng	0.00
23) Nitrobenzene-d5	7.45	82	1005364	86.01	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	343018	114.10	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1509135	67.05	ng	0.00
78) Terphenyl-d14	12.99	244	1413414	66.84	ng	0.00

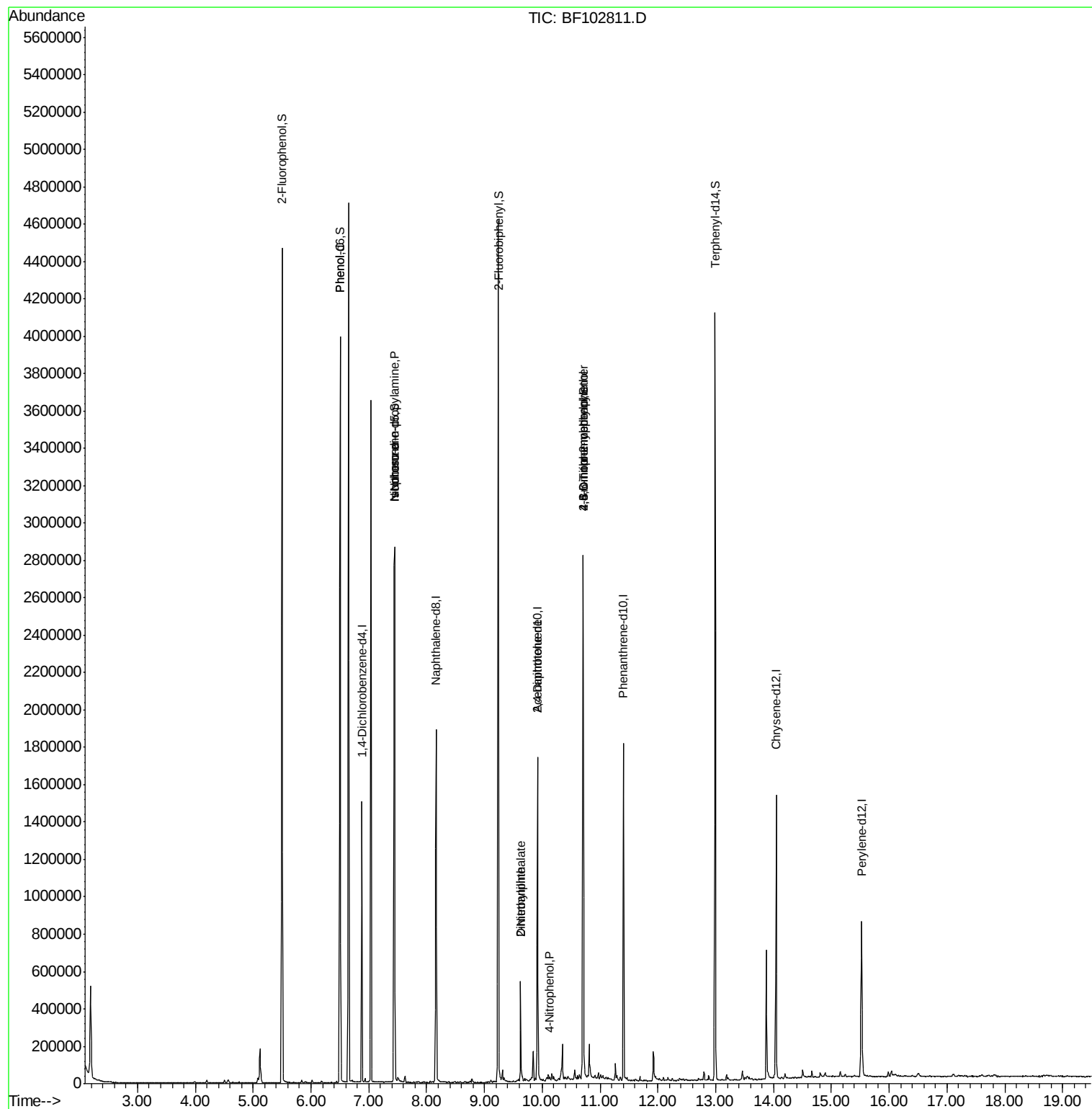
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	44624	2.70	ng	89
19) n-Nitroso-di-n-propylamine	7.45	70	132552	13.05	ng	# 81
25) Isophorone	7.45	82	1005351	37.35	ng	# 64
47) 2-Nitroaniline	9.63	65	2021	3.72	ng	# 1
49) Dimethylphthalate	9.63	163	190998	6.56	ng	99
55) 4-Nitrophenol	10.12	139	114	4.04	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	46747	8.96	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	975	9.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	23185	3.36	ng	# 1

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

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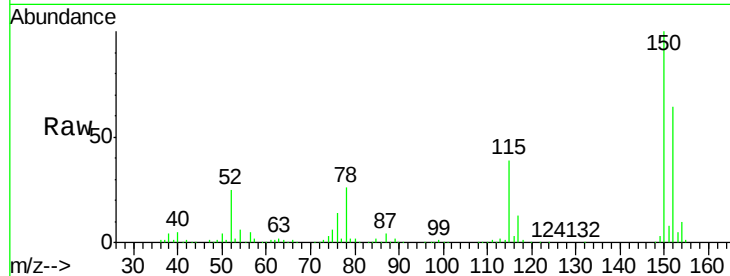


#1

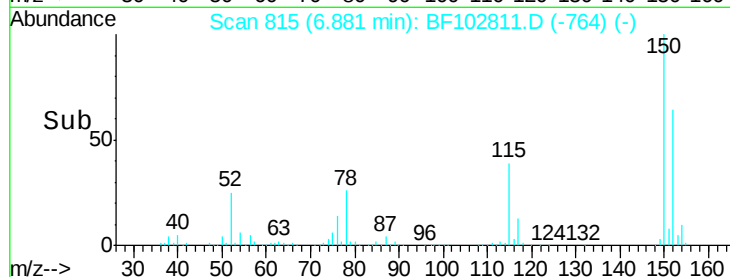
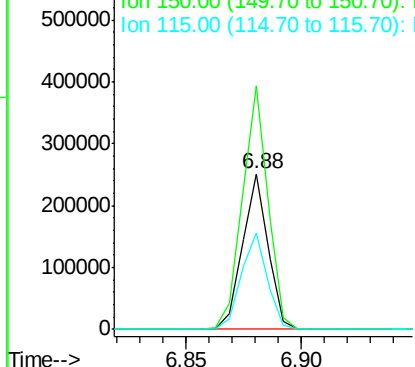
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 194290
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 61.9 50.1 75.1



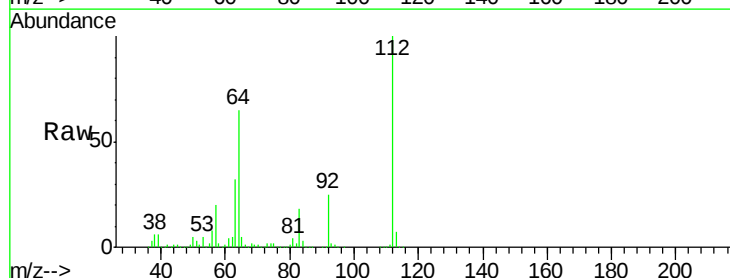
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



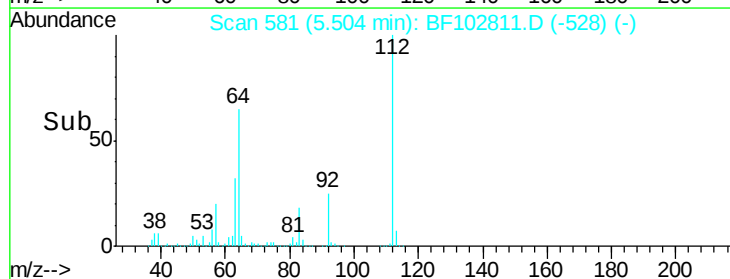
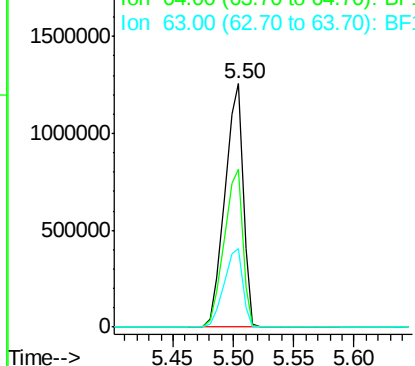
#5

2-Fluorophenol
Concen: 103.39 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Tgt Ion:112 Resp: 1322768
Ion Ratio Lower Upper
112 100
64 64.6 47.9 71.9
63 32.4 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: 102.49 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102811.D

Acq: 7 Feb 2018 13:20

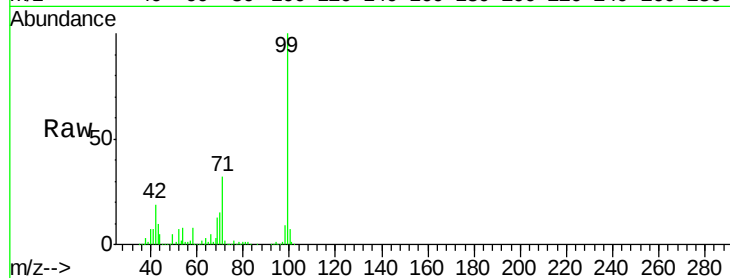
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1578828

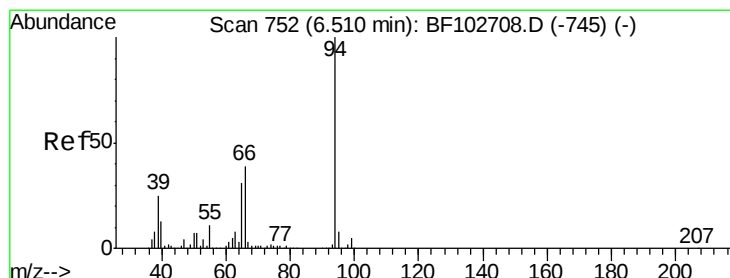
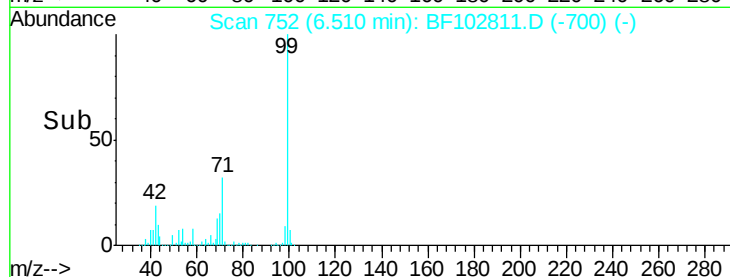
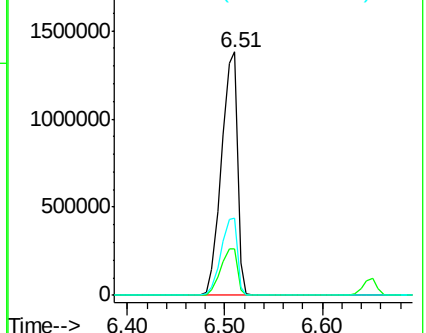
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.5	21.7
71	31.8	25.4	38.0



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



#10

Phenol

Concen: 2.70 ng

RT: 6.52 min Scan# 753

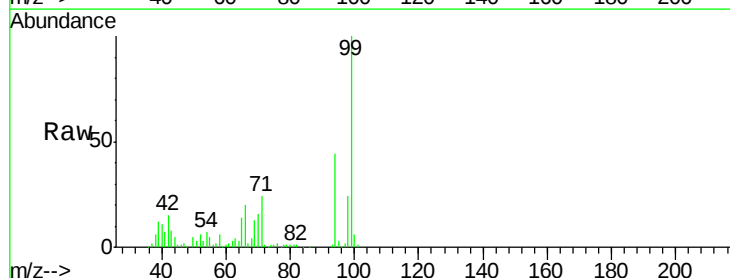
Delta R.T. -0.01 min

Lab File: BF102811.D

Acq: 7 Feb 2018 13:20

Tgt Ion: 94 Resp: 44624

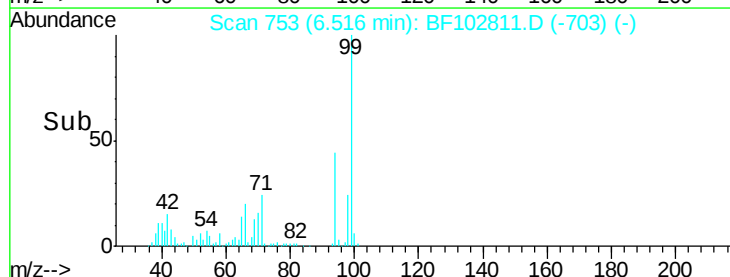
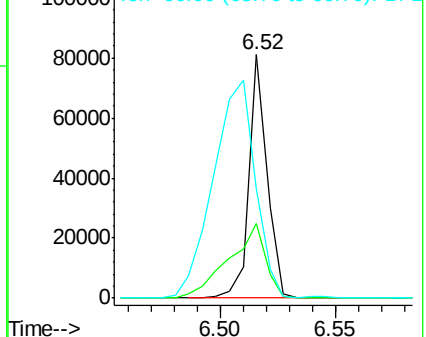
Ion	Ratio	Lower	Upper
94	100		
65	30.9	7.9	47.9
66	44.8	16.2	56.2

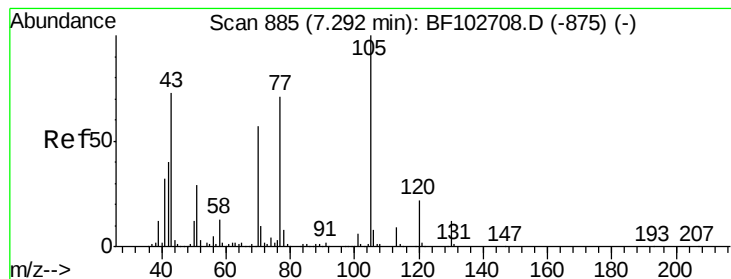


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.05 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102811.D

Acq: 7 Feb 2018 13:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 132552

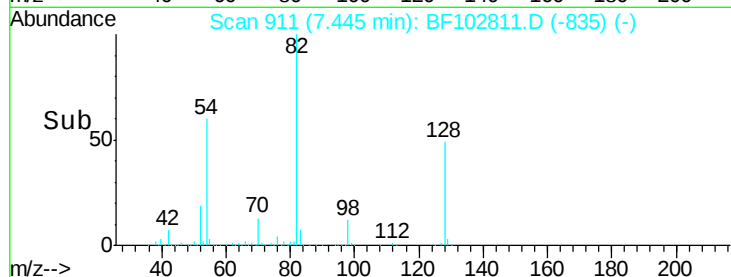
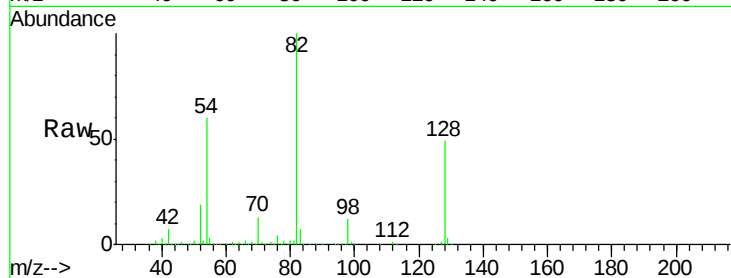
Ion Ratio Lower Upper

70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

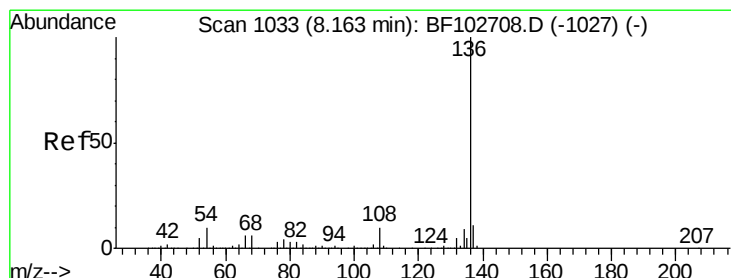
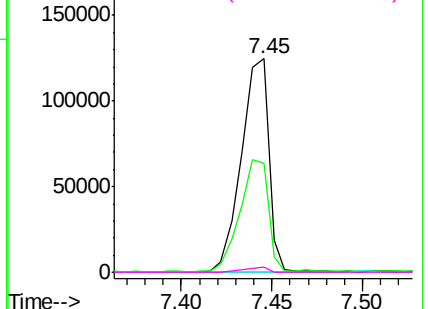


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1033

Delta R.T. -0.01 min

Lab File: BF102811.D

Acq: 7 Feb 2018 13:20

Tgt Ion: 136 Resp: 810858

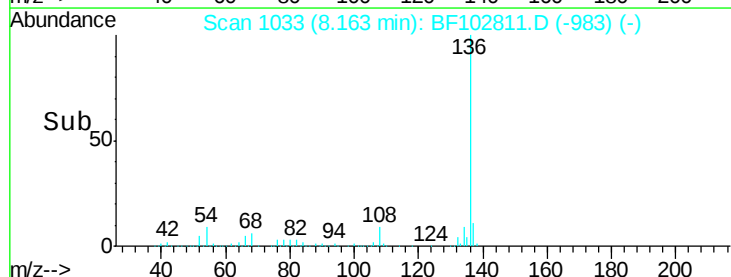
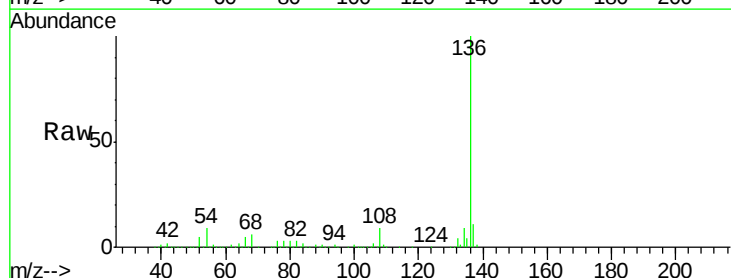
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.0 6.6 9.8

68 6.2 5.0 7.4

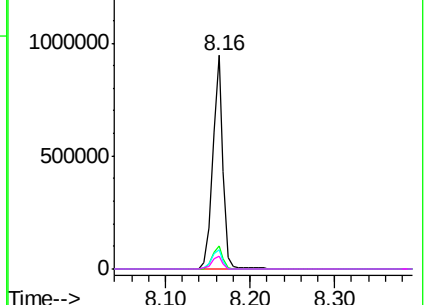


Abundance Ion 136.00 (135.70 to 136.70): BF1

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

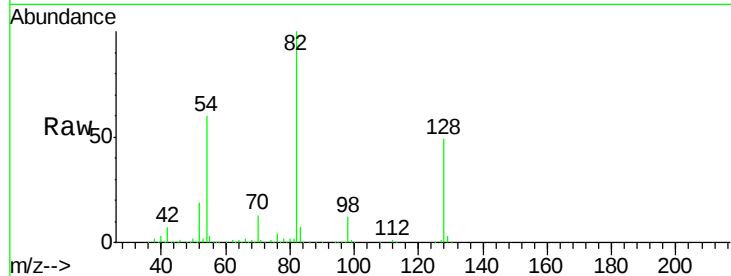




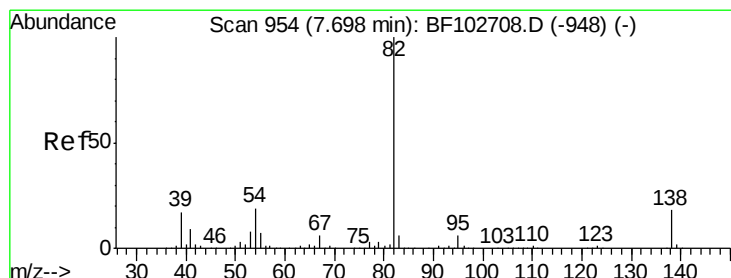
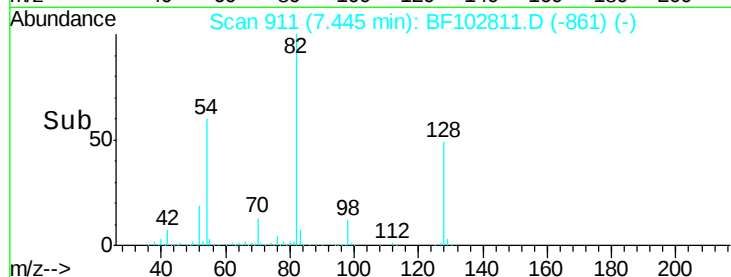
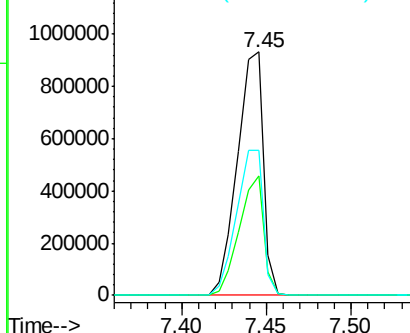
#23
 Nitrobenzene-d5
 Concen: 86.01 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF102811.D
 Acq: 7 Feb 2018 13:20

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1005364
 Ion Ratio Lower Upper
 82 100
 128 49.0 36.1 54.1
 54 59.7 41.4 62.2

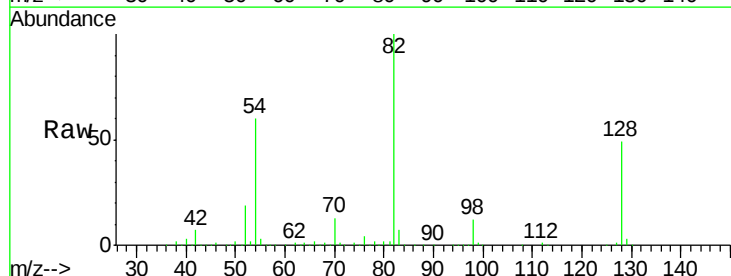


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

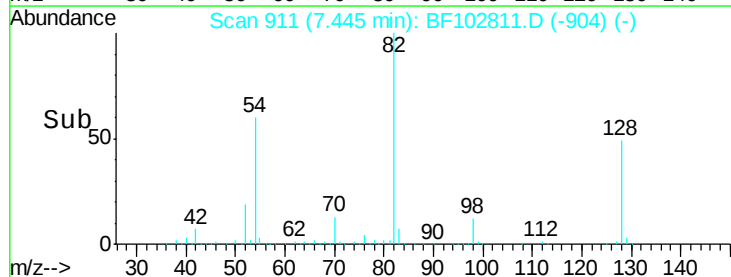
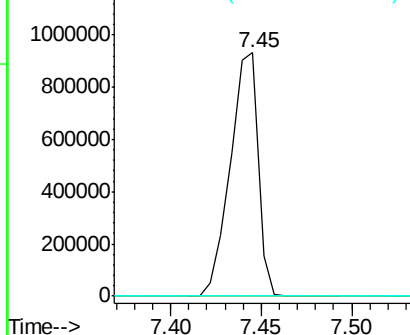


#25
 Isophorone
 Concen: 37.35 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF102811.D
 Acq: 7 Feb 2018 13:20

Tgt Ion: 82 Resp: 1005351
 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

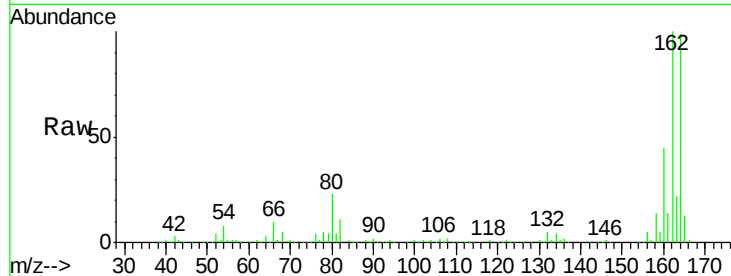




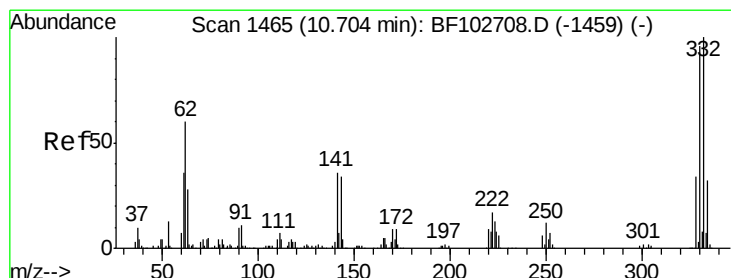
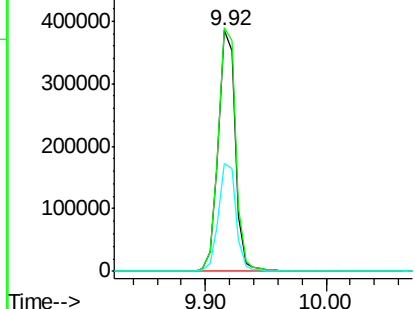
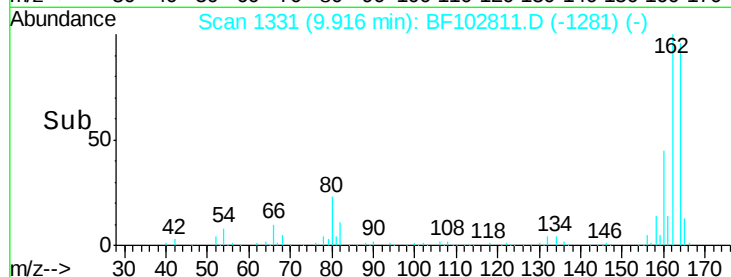
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 373508
Ion Ratio Lower Upper
164 100
162 101.2 86.1 129.1
160 45.1 38.3 57.5

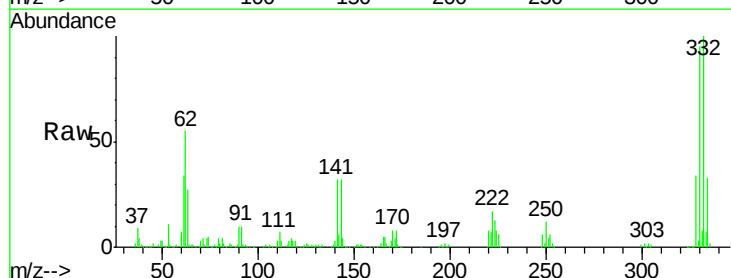


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

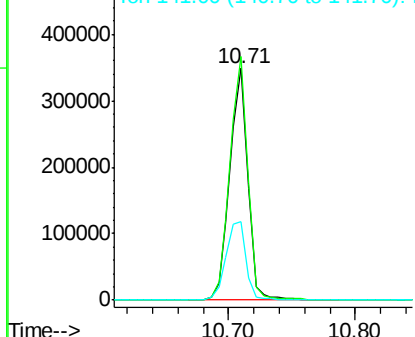
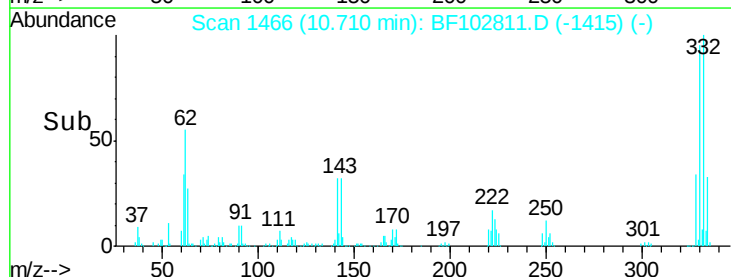


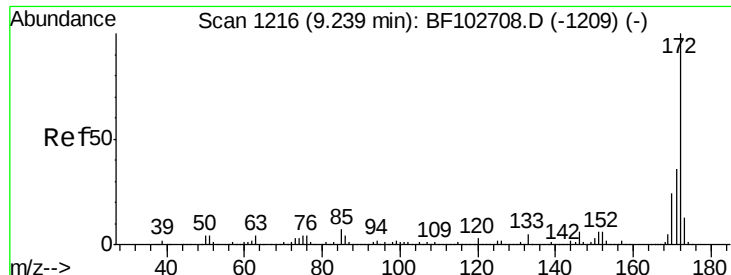
#41
2,4,6-Tribromophenol
Concen: 114.10 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Tgt Ion:330 Resp: 343018
Ion Ratio Lower Upper
330 100
332 104.9 77.0 115.6
141 38.0 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

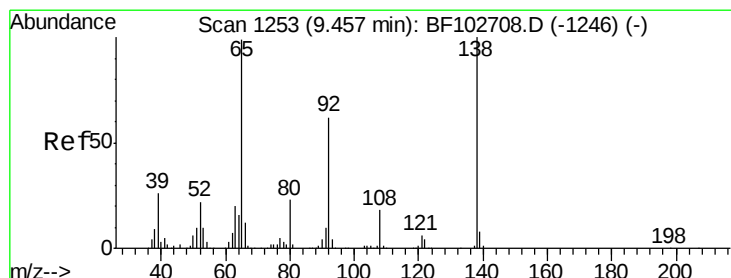
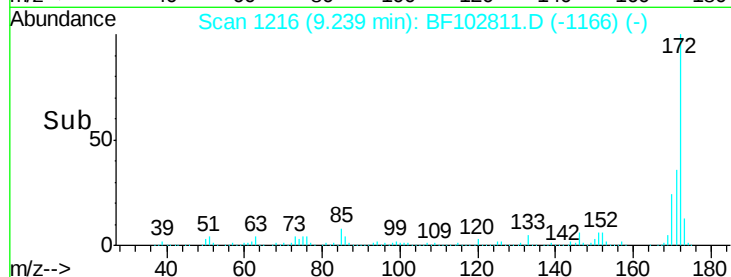
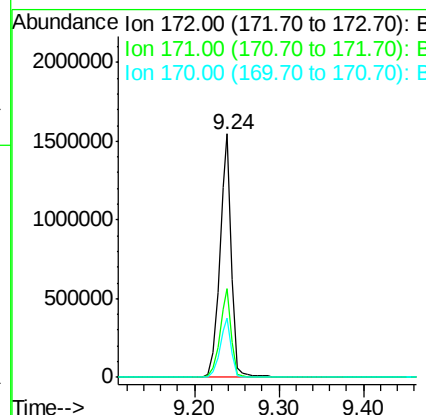
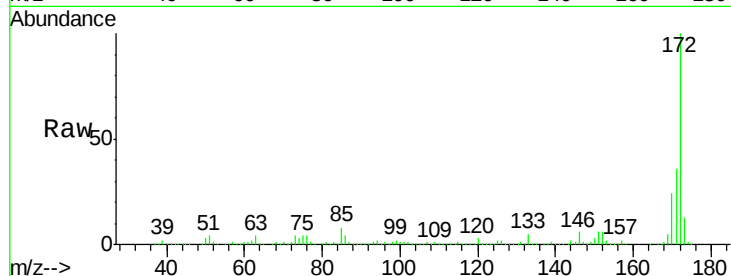




#44
 2-Fluorobiphenyl
 Concen: 67.05 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102811.D
 Acq: 7 Feb 2018 13:20

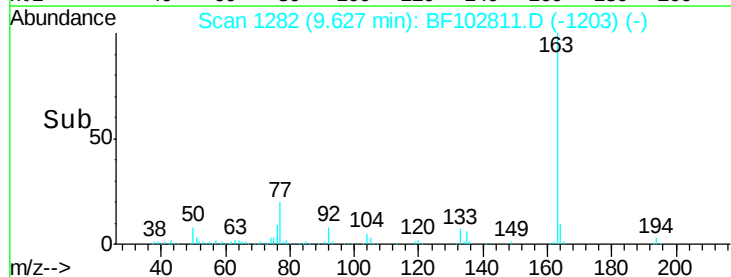
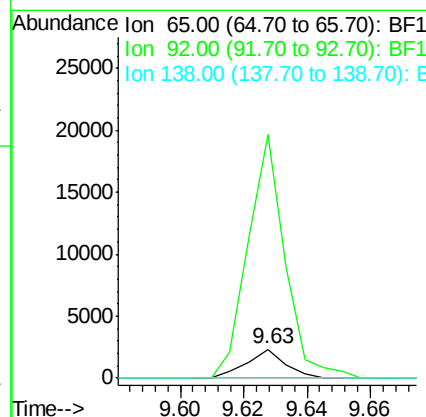
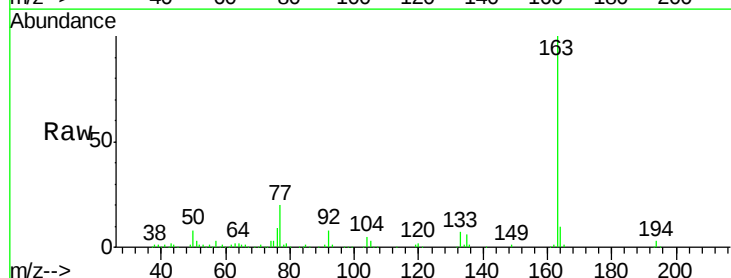
Instrument :
 BNA_F
 ClientSampleId :

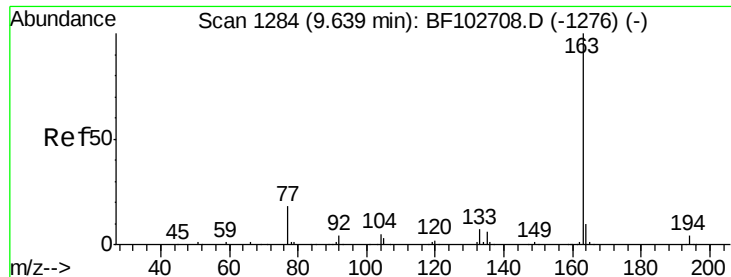
Tot Ion:172 Resp: 1509135
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.2 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.72 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.16 min
 Lab File: BF102811.D
 Acq: 7 Feb 2018 13:20

Tgt Ion: 65 Resp: 2021
 Ion Ratio Lower Upper
 65 100
 92 840.0 55.8 83.6#
 138 0.0 91.2 136.8#

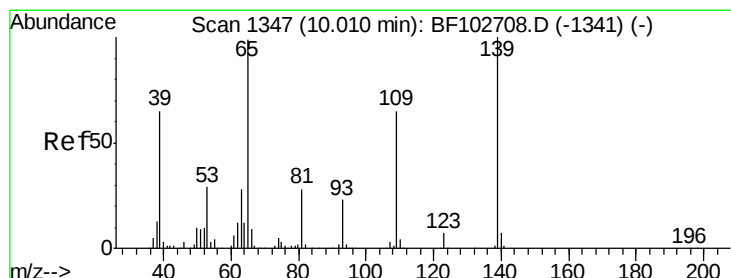
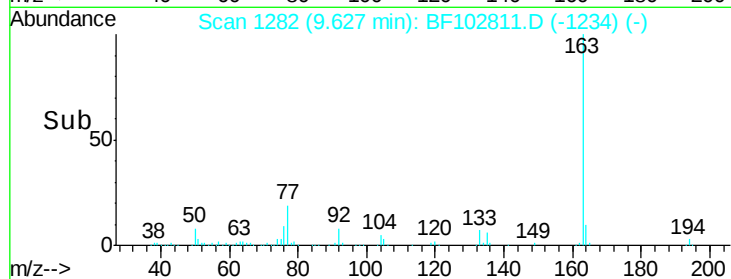
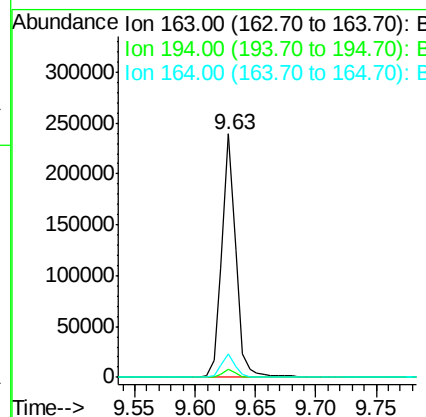
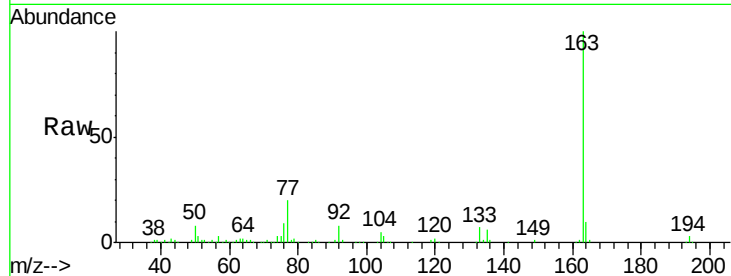




#49
Dimethylphthalate
Concen: 6.56 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

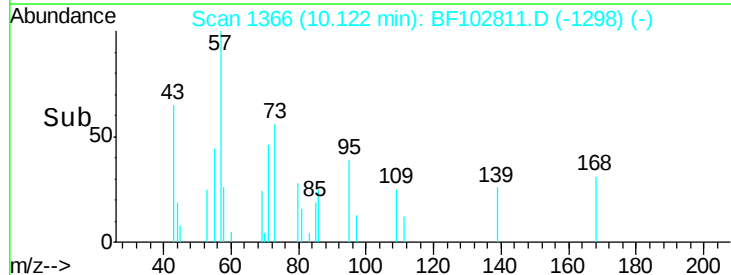
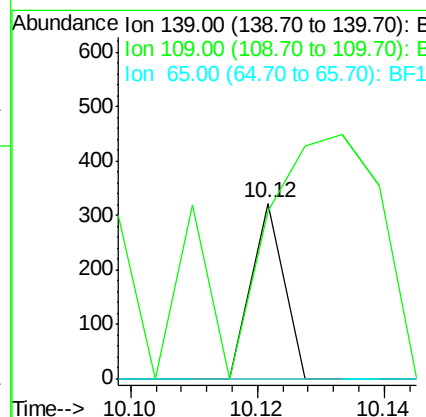
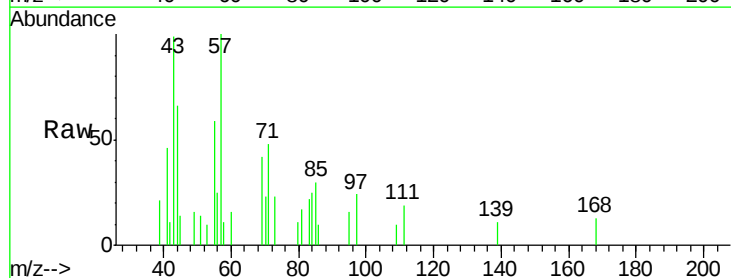
Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 190998
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.6 8.2 12.2



#55
4-Nitrophenol
Concen: 4.04 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Tgt Ion:139 Resp: 114
Ion Ratio Lower Upper
139 100
109 95.3 48.4 88.4#
65 0.0 72.6 112.6#

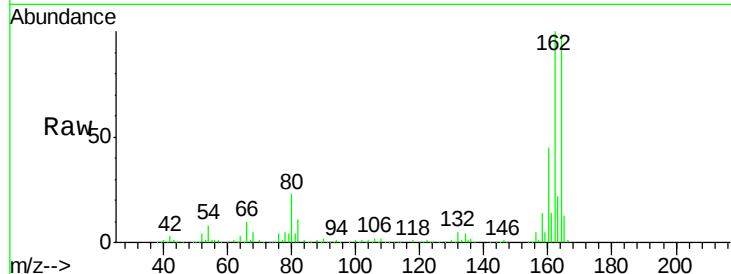




#56
 2,4-Dinitrotoluene
 Concen: 8.96 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102811.D
 Acq: 7 Feb 2018 13:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

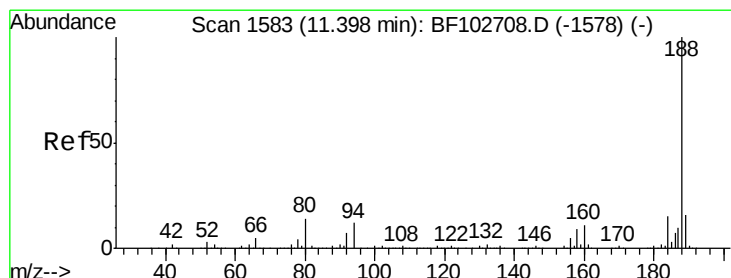
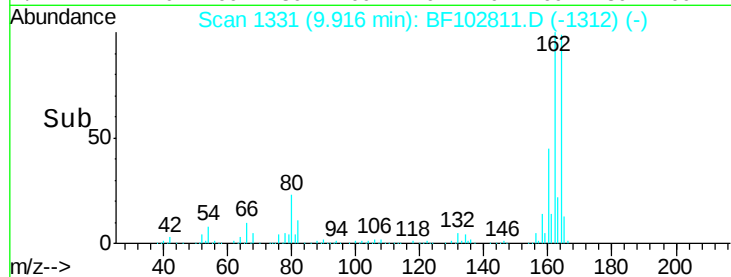
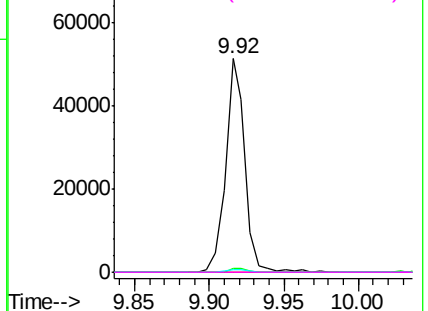


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

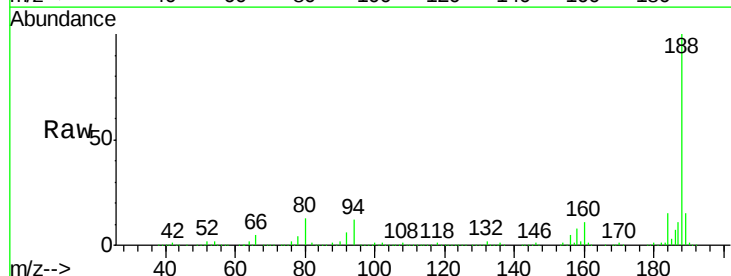
Ion 89.00 (88.70 to 89.70): BF1

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. -0.01 min
 Lab File: BF102811.D
 Acq: 7 Feb 2018 13:20

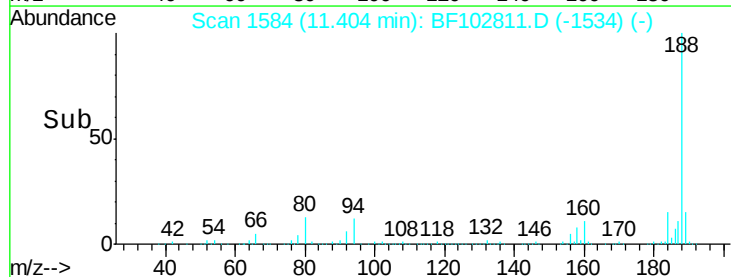
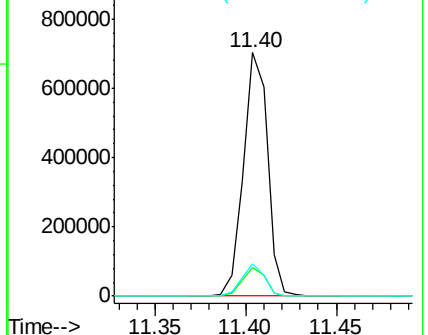
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	13.2	9.2	13.8

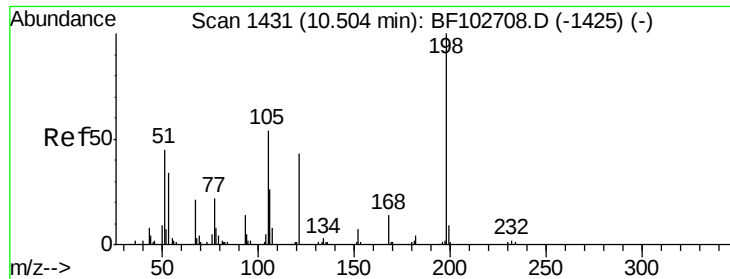


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

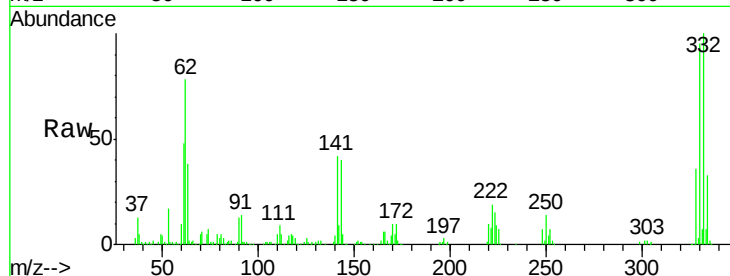




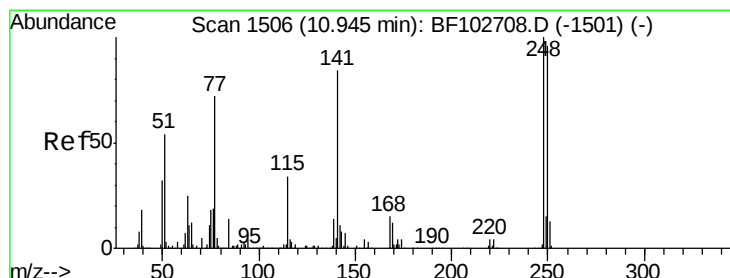
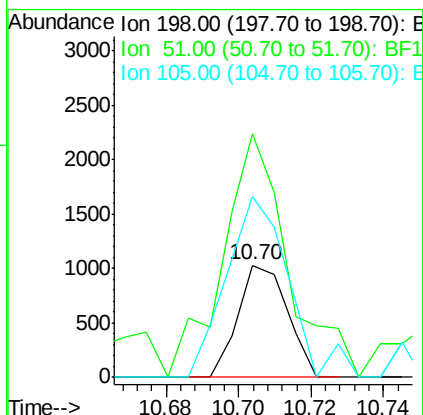
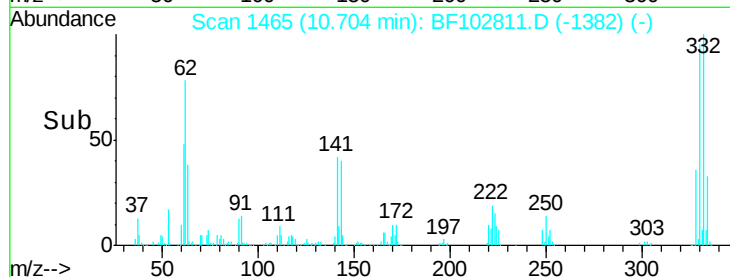
#64
4,6-Dinitro-2-methylphenol
Concen: 9.12 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 975
Ion Ratio Lower Upper
198 100
51 217.7 37.7 77.7#
105 162.0 36.3 76.3#

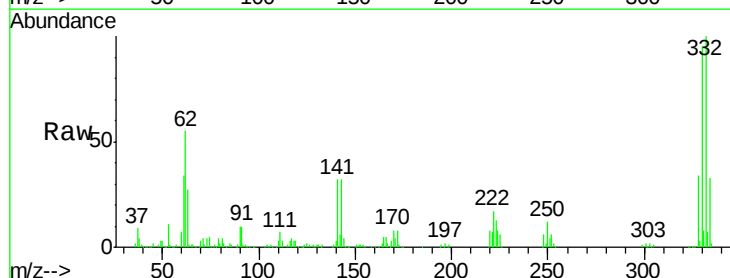


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

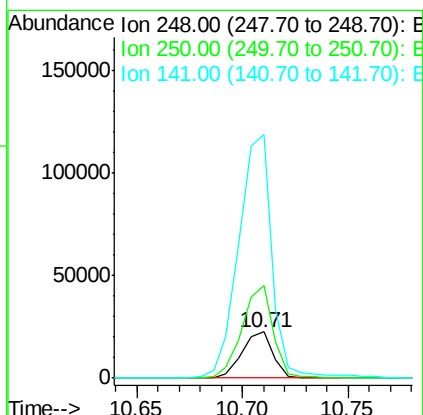
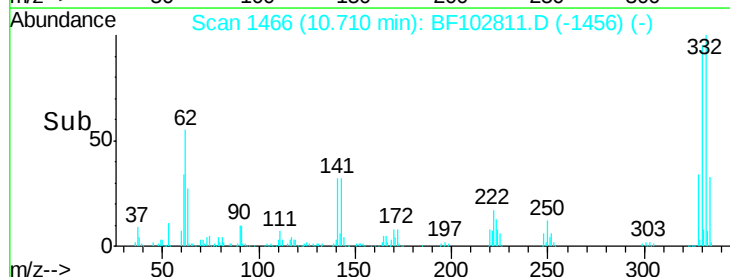


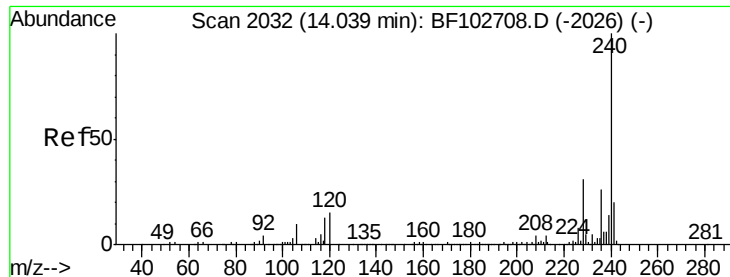
#66
4-Bromophenyl-phenylether
Concen: 3.36 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Tgt Ion:248 Resp: 23185
Ion Ratio Lower Upper
248 100
250 198.5 76.9 115.3#
141 524.2 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: BF102811.D

Acq: 7 Feb 2018 13:20

Instrument :

BNA_F

ClientSampleId :

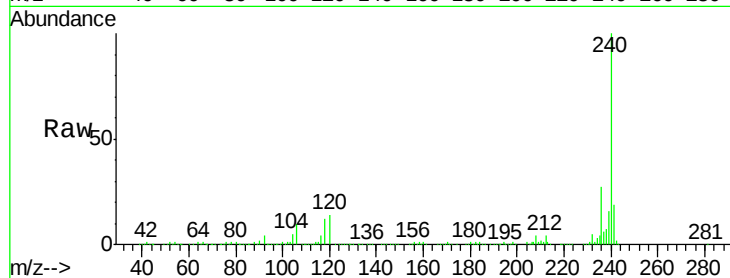
Tot Ion:240 Resp: 500683

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

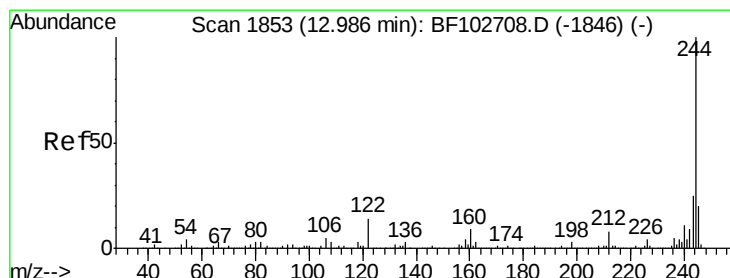
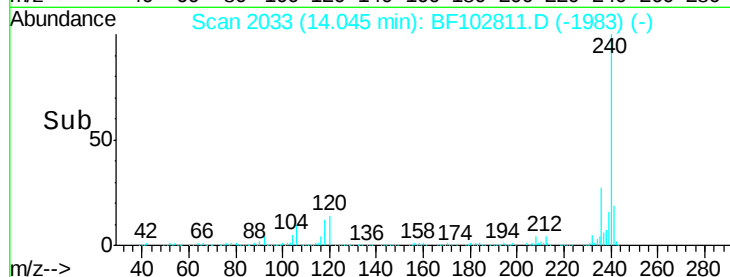
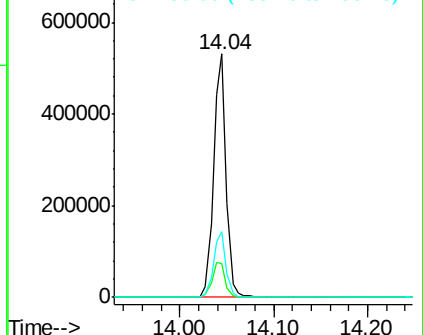
236 26.9 20.7 31.1



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: 66.84 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102811.D

Acq: 7 Feb 2018 13:20

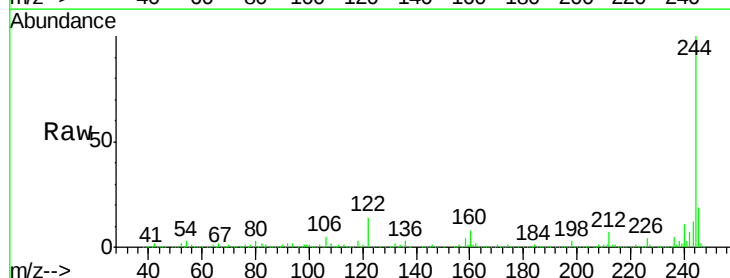
Tgt Ion:244 Resp: 1413414

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

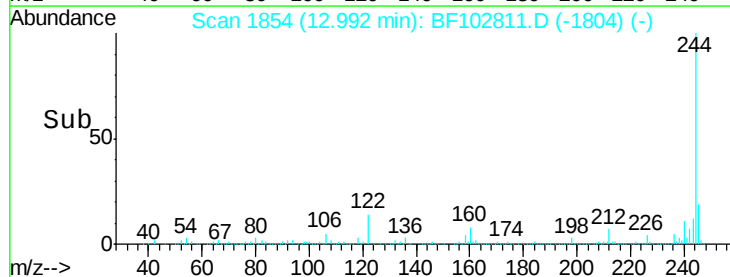
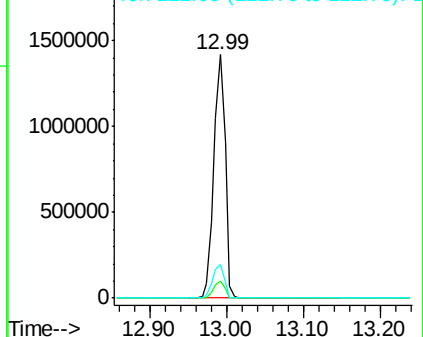
122 14.1 11.0 16.4

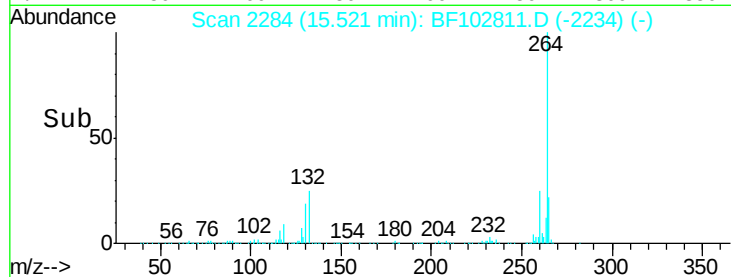
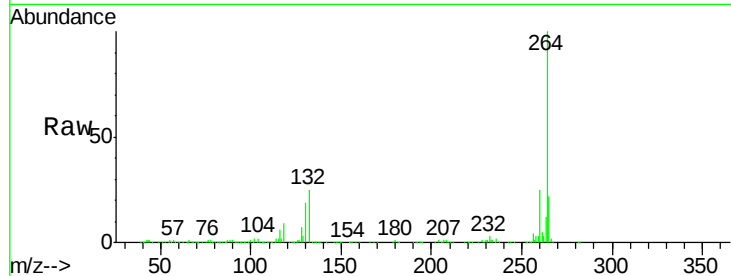
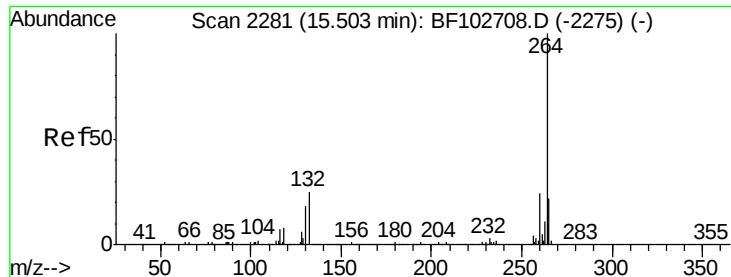


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102811.D
Acq: 7 Feb 2018 13:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

