

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102968.D
 Acq On : 13 Feb 2018 18:12
 Operator : SJ/JU
 Sample : J1397-05 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 00:09:07 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

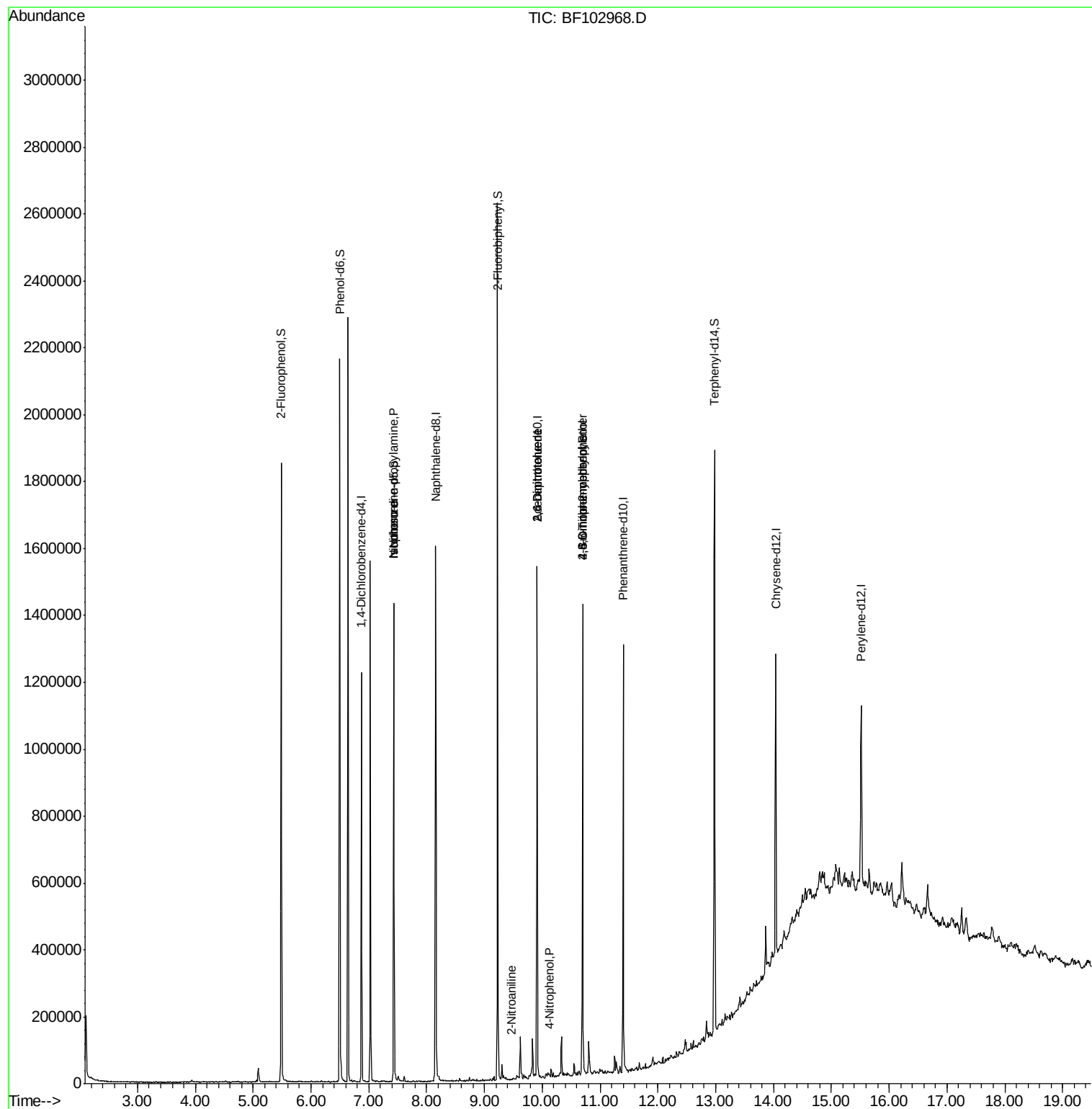
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168869	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	677168	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	281012	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	422485	20.00	ng	0.00
75) Chrysene-d12	14.04	240	297995	20.00	ng	0.00
86) Perylene-d12	15.52	264	232141	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	487168	43.81	ng	0.00
7) Phenol-d6	6.50	99	675903	50.48	ng	0.00
23) Nitrobenzene-d5	7.43	82	388190	39.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	139179	61.53	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	721407	42.60	ng	-0.01
78) Terphenyl-d14	12.98	244	541936	43.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	51663	5.85	ng	# 81
25) Isophorone	7.43	82	388184	17.27	ng	# 64
47) 2-Nitroaniline	9.47	65	107	3.49	ng	# 2
50) 2,6-Dinitrotoluene	9.91	165	34610	8.30	ng	# 26
55) 4-Nitrophenol	10.12	139	135	4.05	ng	# 20
56) 2,4-Dinitrotoluene	9.91	165	34610	8.87	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	382	8.99	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	9342	2.09	ng	# 1

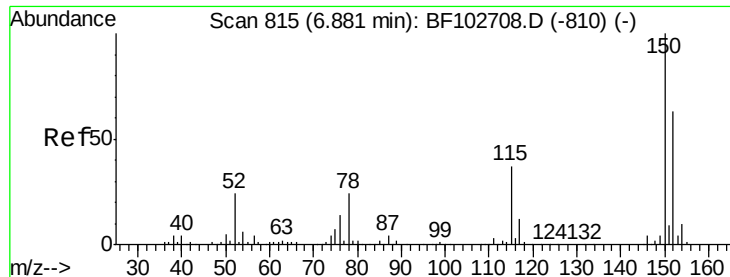
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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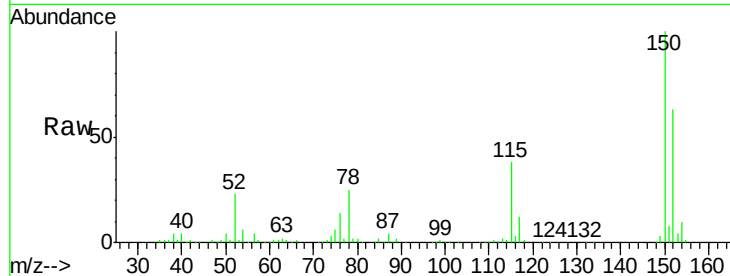


#1

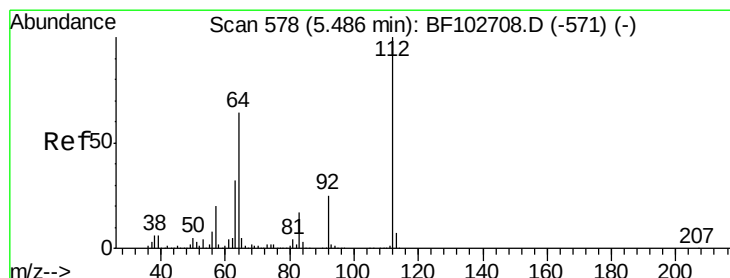
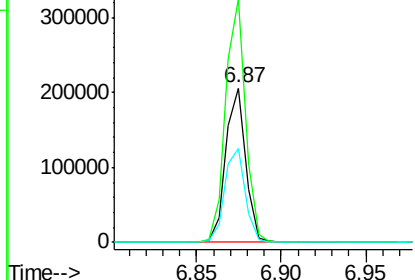
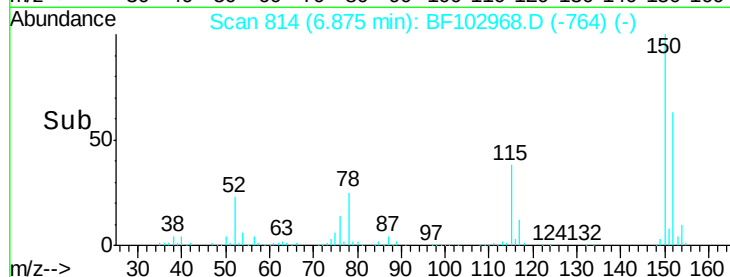
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102968.D
Acq: 13 Feb 2018 18:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 168869
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 60.6 50.1 75.1



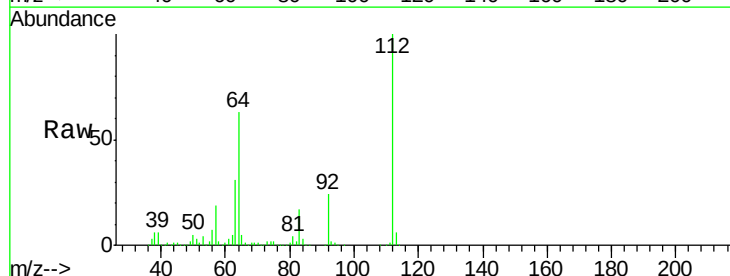
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



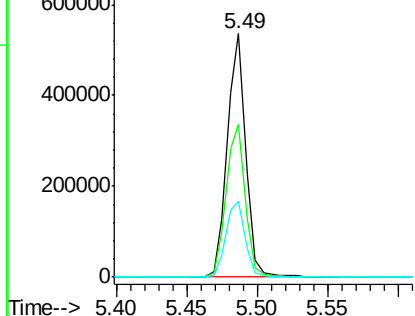
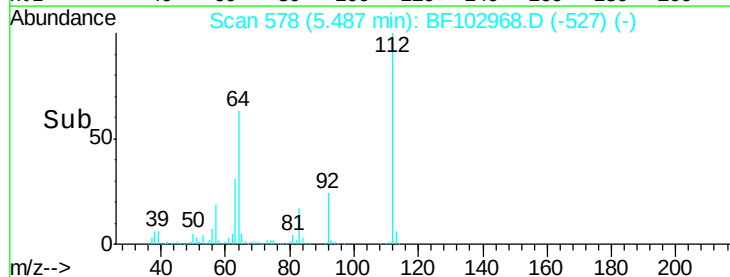
#5

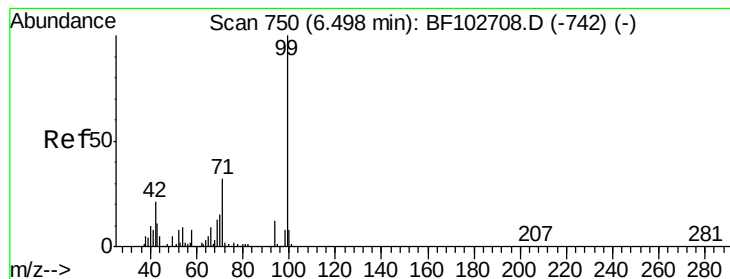
2-Fluorophenol
Concen: 43.81 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF102968.D
Acq: 13 Feb 2018 18:12

Tgt Ion:112 Resp: 487168
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 31.4 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: 50.48 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

Instrument :

BNA_F

ClientSampleId :

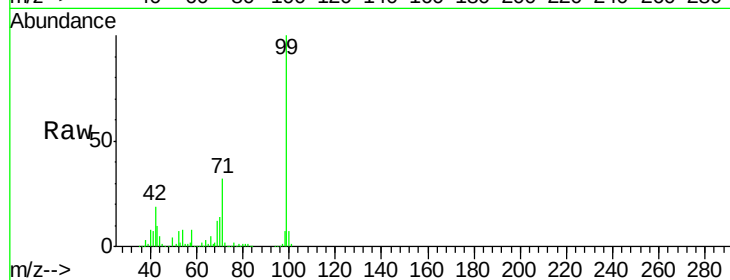
Tot Ion: 99 Resp: 675903

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

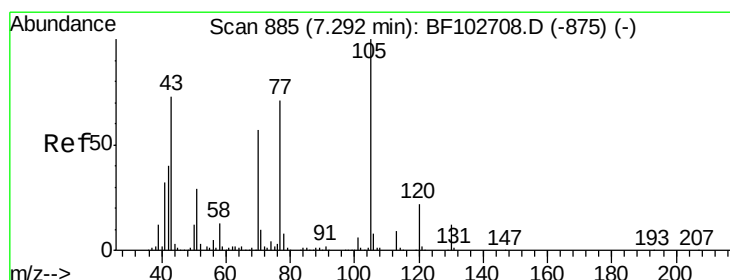
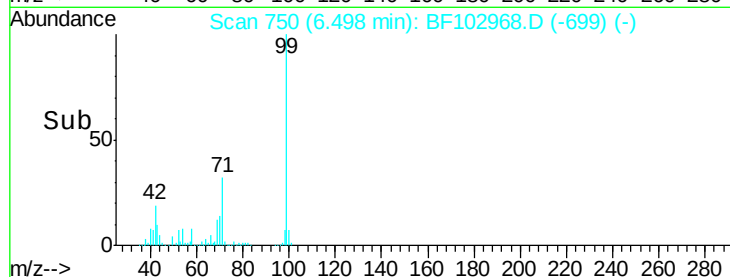
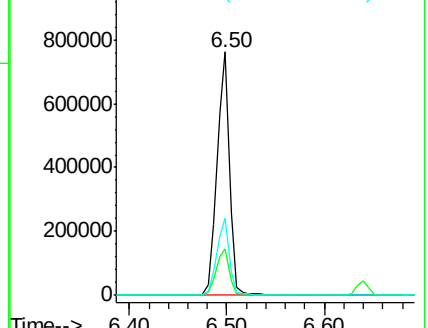
71 31.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.85 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

Tgt Ion: 70 Resp: 51663

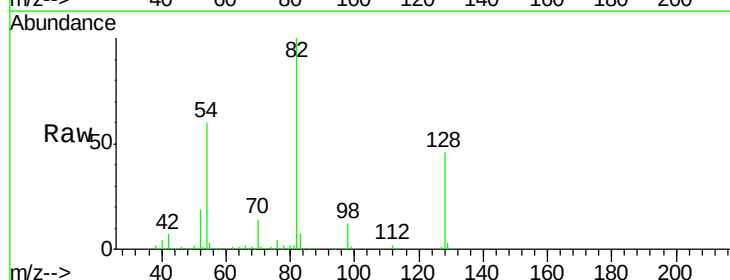
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

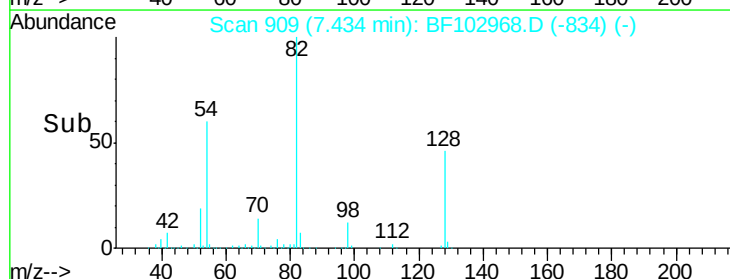
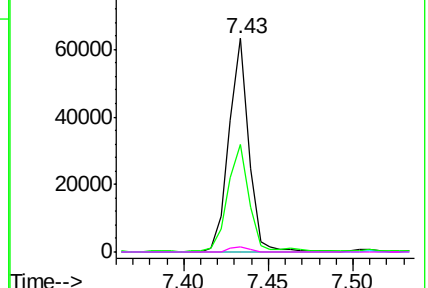


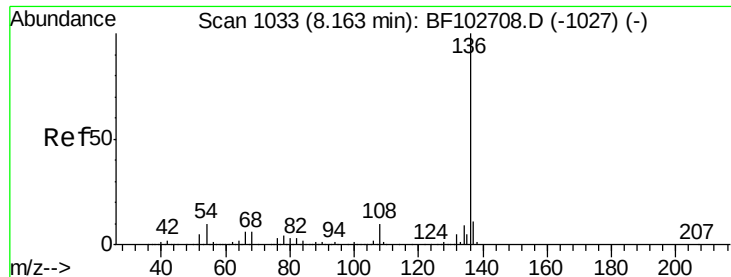
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102968.D

Acq: 13 Feb 2018 18:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 677168

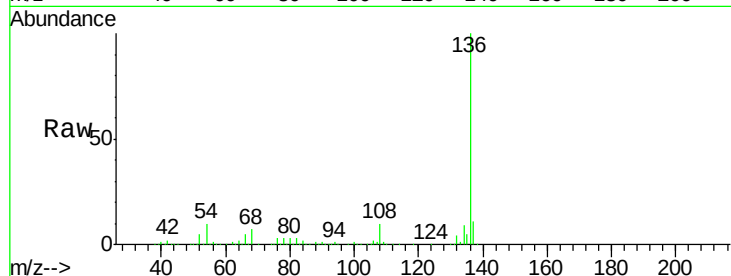
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.5 6.6 9.8

68 6.7 5.0 7.4

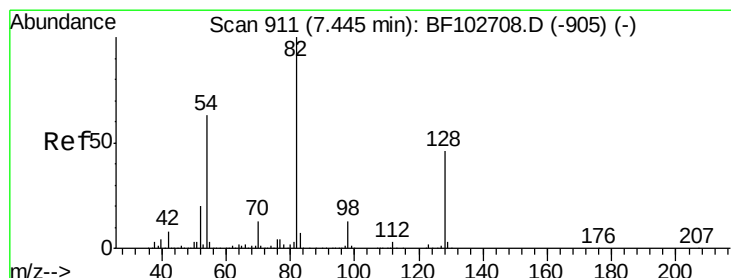
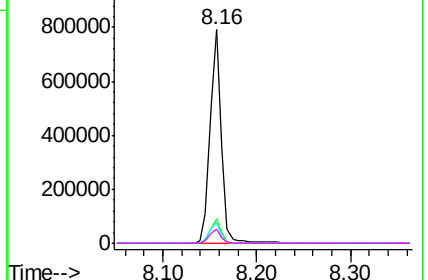
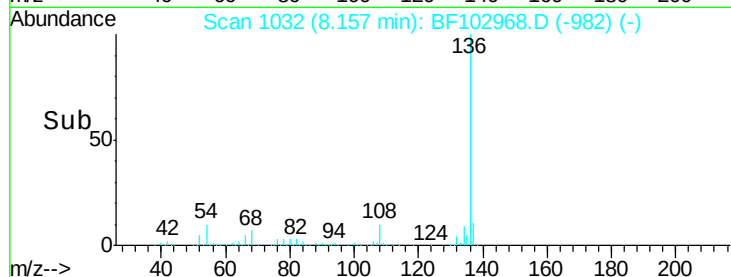


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.77 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

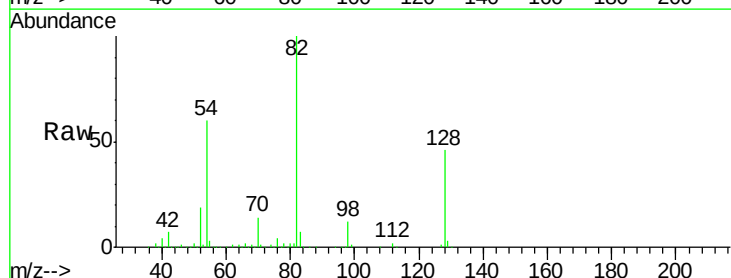
Tgt Ion: 82 Resp: 388190

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

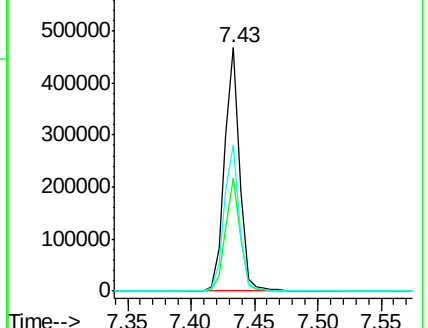
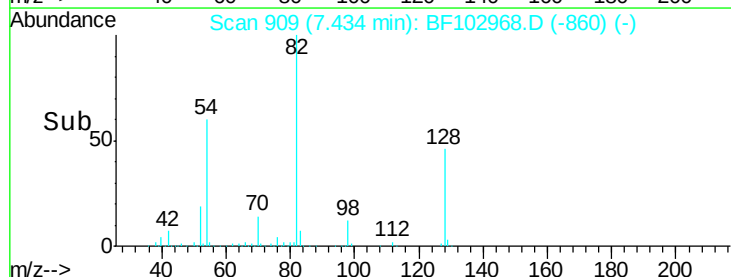
54 60.2 41.4 62.2

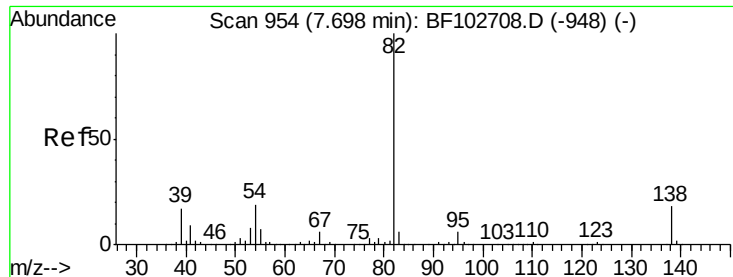


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.27 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

Instrument :

BNA_F

ClientSampled :

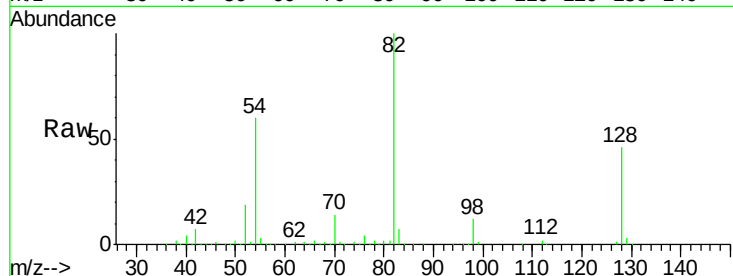
Tot Ion: 82 Resp: 388184

Ion Ratio Lower Upper

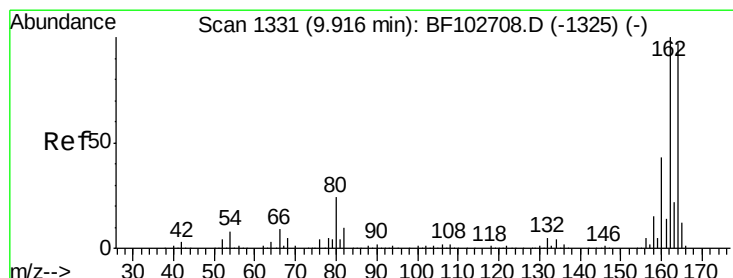
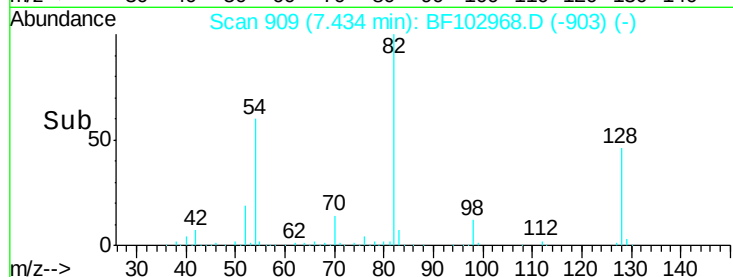
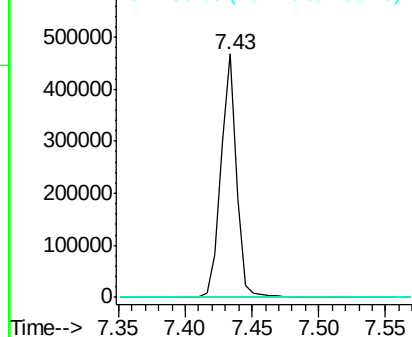
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

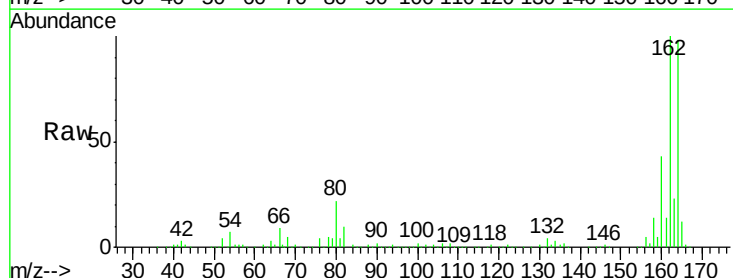
Tgt Ion: 164 Resp: 281012

Ion Ratio Lower Upper

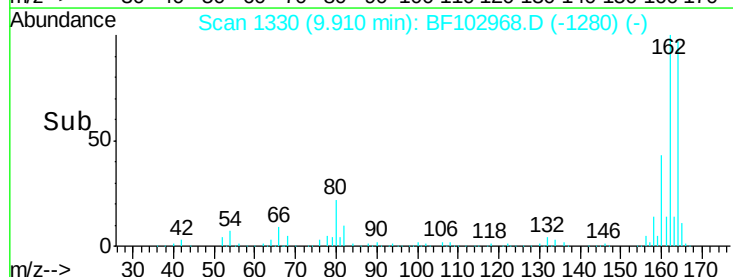
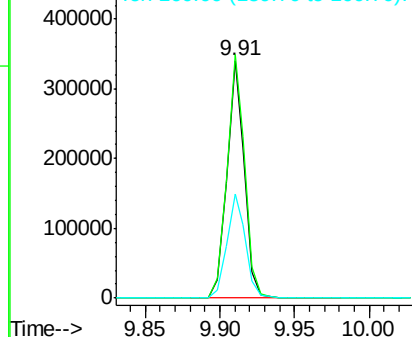
164 100

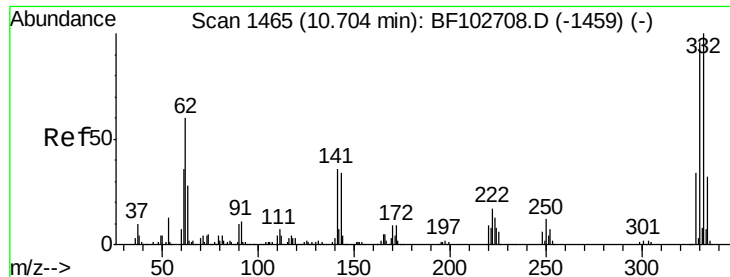
162 102.5 86.1 129.1

160 44.0 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 61.53 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

Instrument :

BNA_F

ClientSampled :

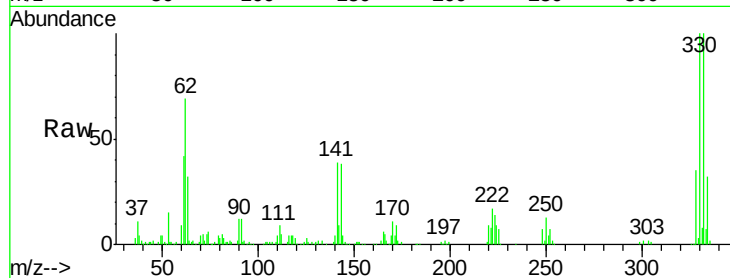
Tot Ion:330 Resp: 139179

Ion Ratio Lower Upper

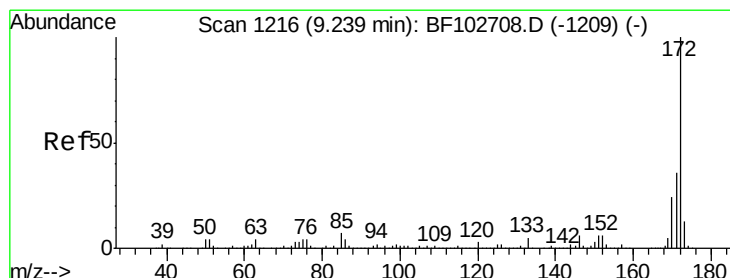
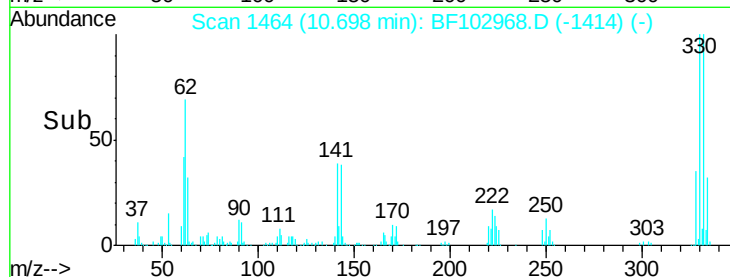
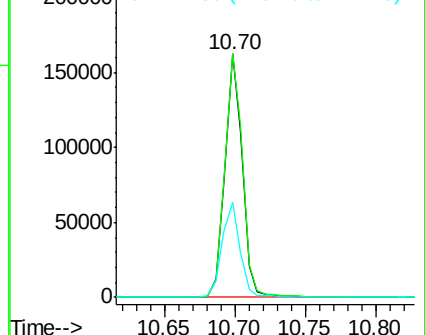
330 100

332 101.6 77.0 115.6

141 40.8 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: 42.60 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

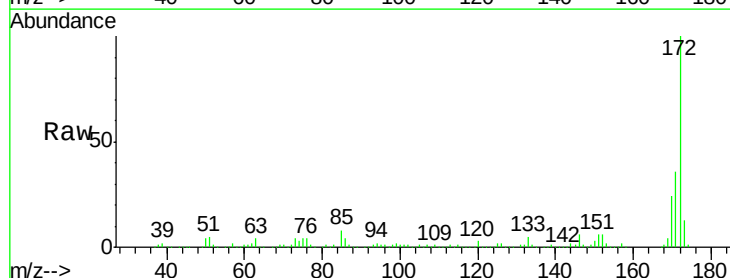
Tgt Ion:172 Resp: 721407

Ion Ratio Lower Upper

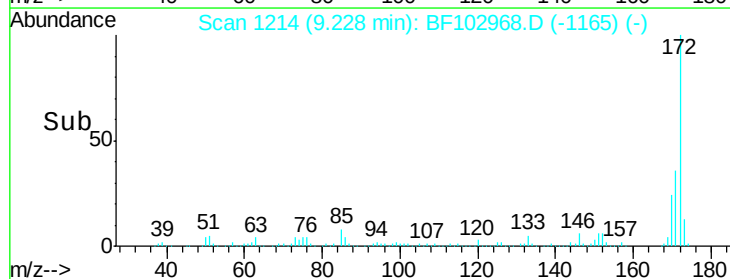
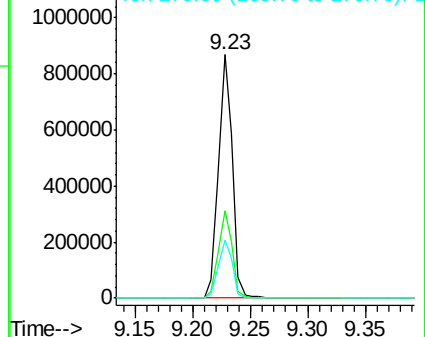
172 100

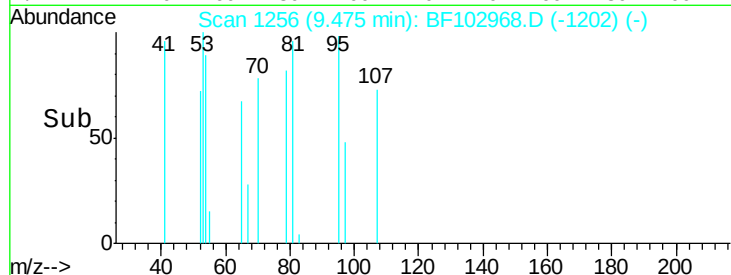
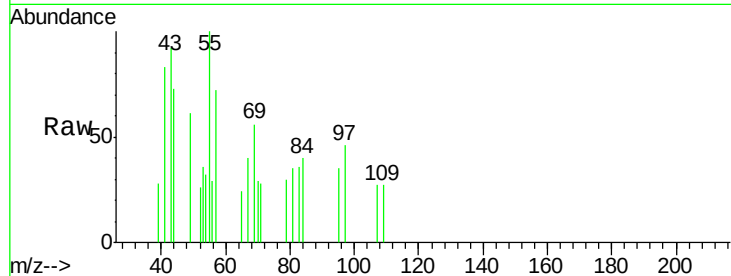
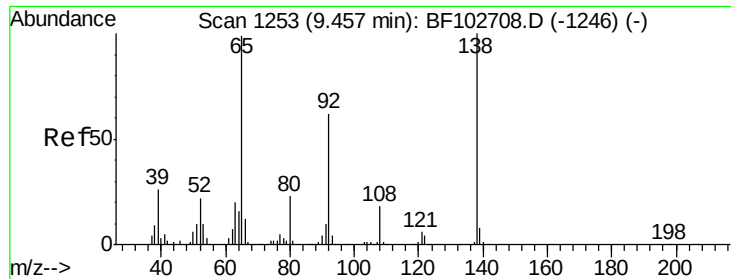
171 36.0 29.7 44.5

170 24.1 19.6 29.4



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

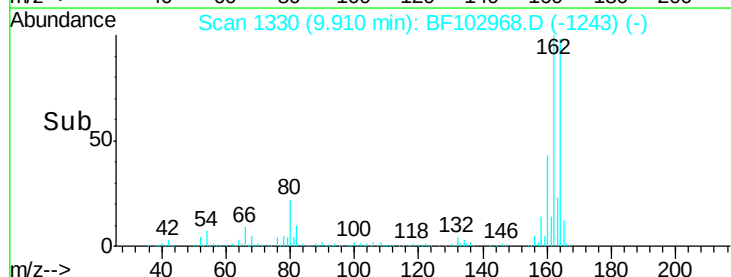
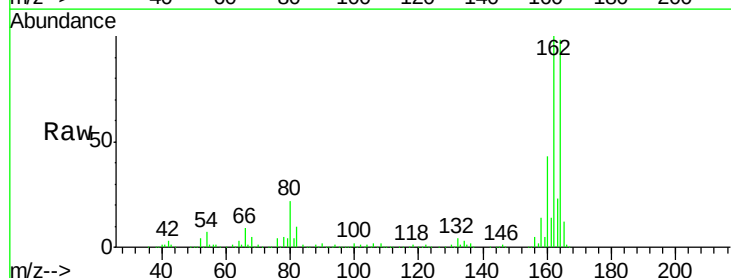
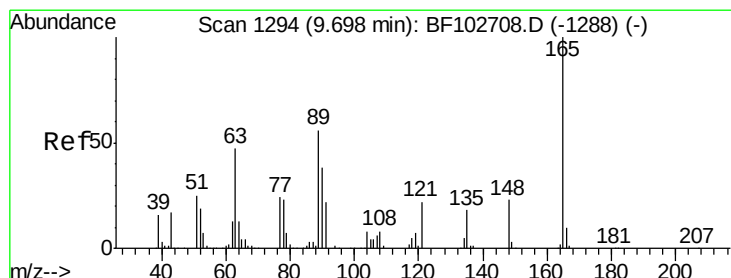
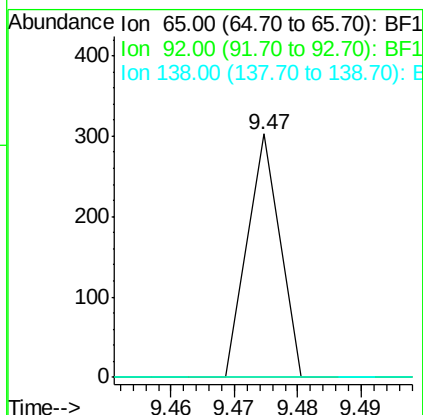




#47
2-Nitroaniline
Concen: 3.49 ng
RT: 9.47 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BF102968.D
Acq: 13 Feb 2018 18:12

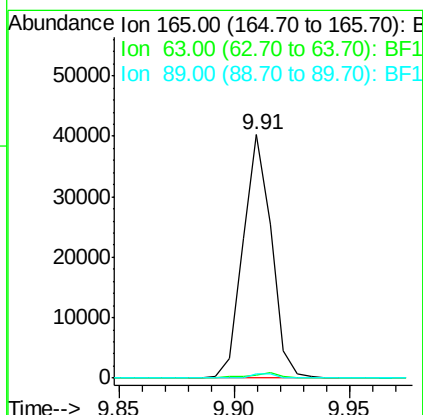
Instrument :
BNA_F
ClientSampleId :

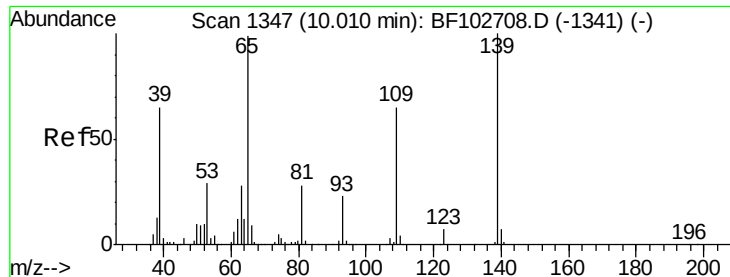
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



#50
2,6-Dinitrotoluene
Concen: 8.30 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF102968.D
Acq: 13 Feb 2018 18:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.6	44.0	66.0#

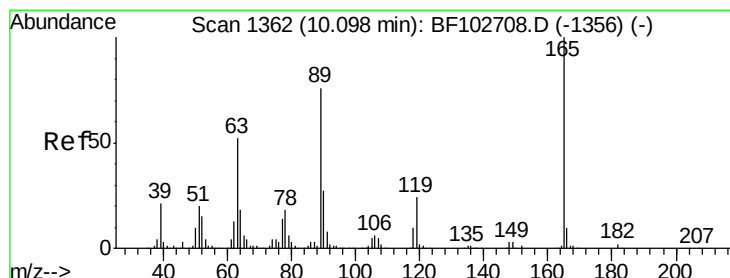
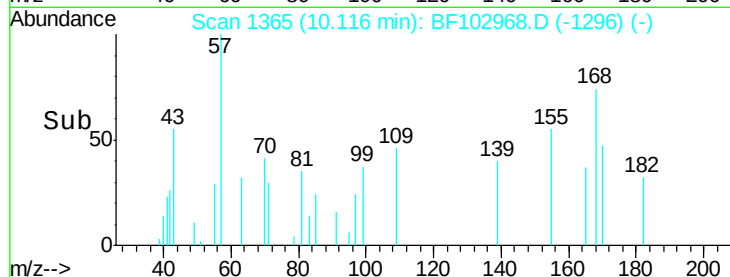
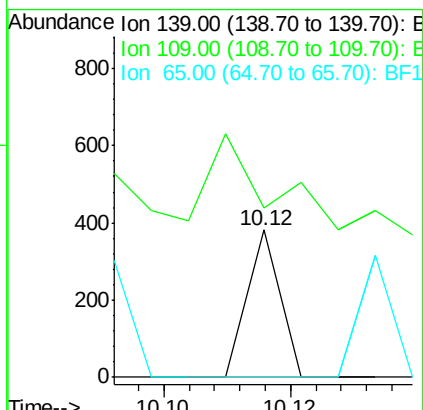
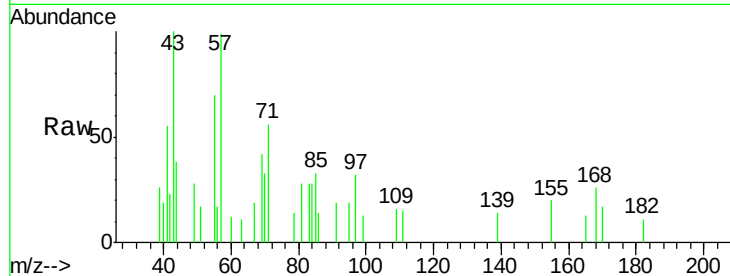




#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.11 min
Lab File: BF102968.D
Acq: 13 Feb 2018 18:12

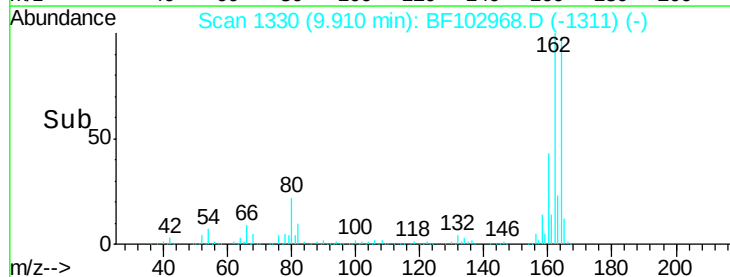
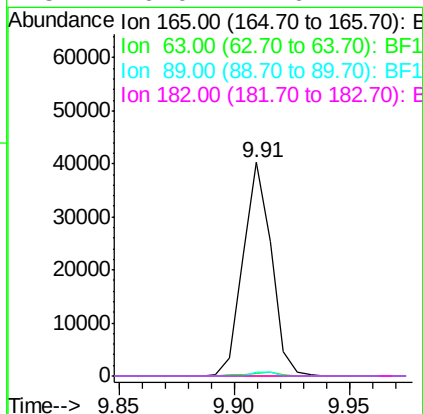
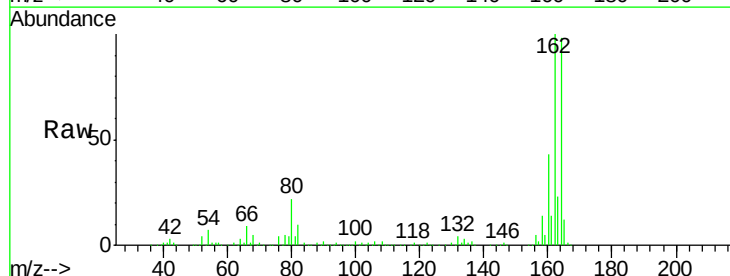
Instrument :
BNA_F
ClientSampled :

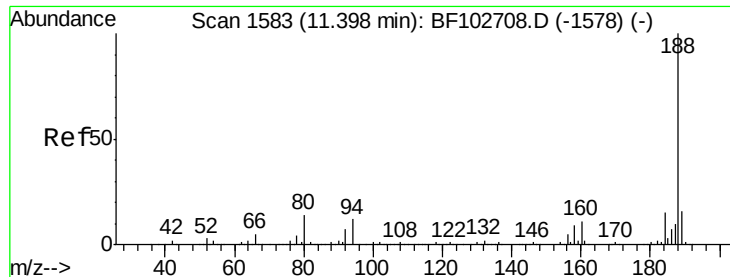
Tot Ion:139 Resp: 135
Ion Ratio Lower Upper
139 100
109 114.7 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 8.87 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF102968.D
Acq: 13 Feb 2018 18:12

Tgt Ion:165 Resp: 34610
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

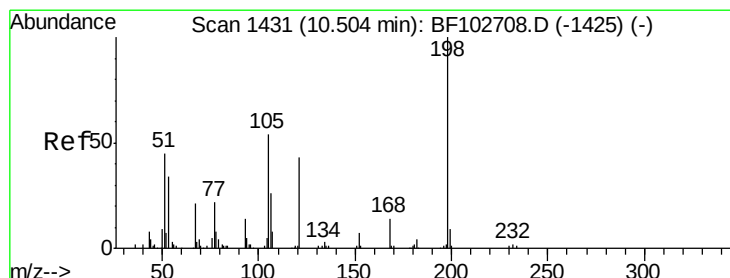
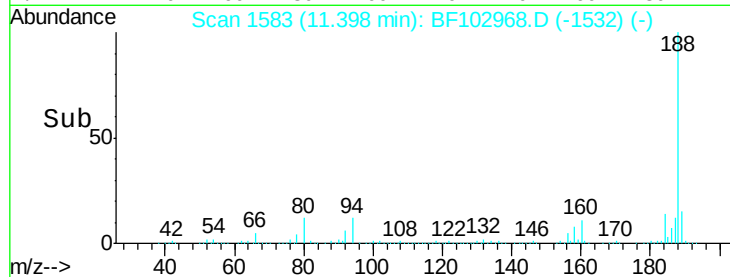
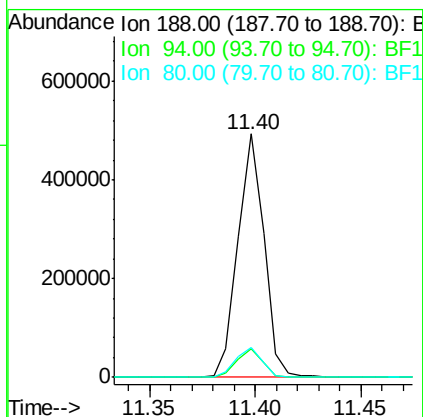
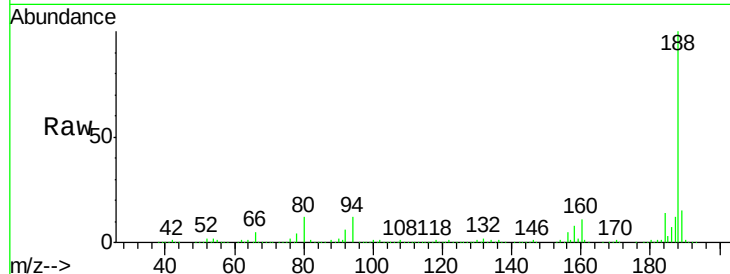




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102968.D
 Acq: 13 Feb 2018 18:12

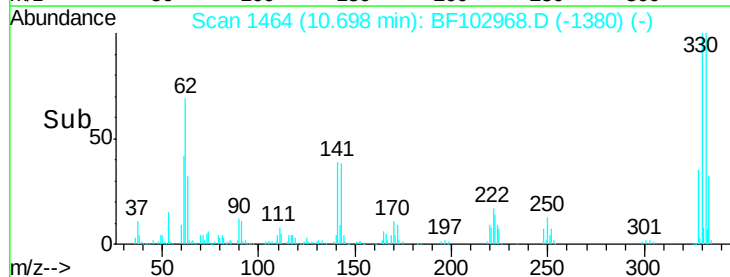
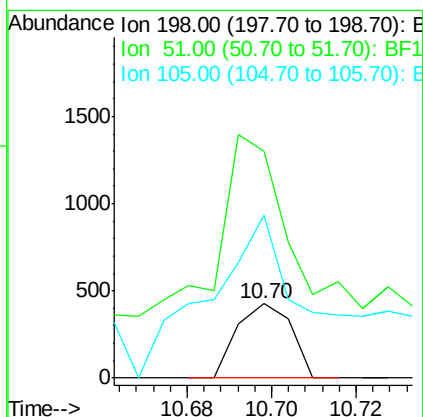
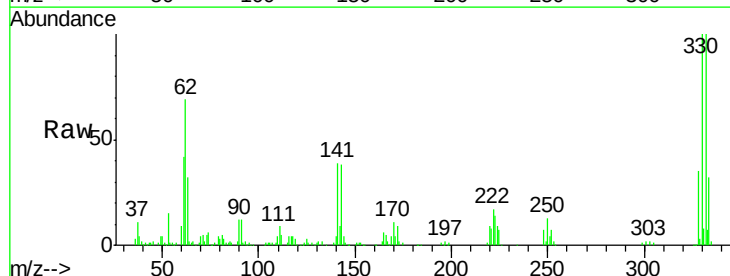
Instrument :
 BNA_F
 ClientSampleId :

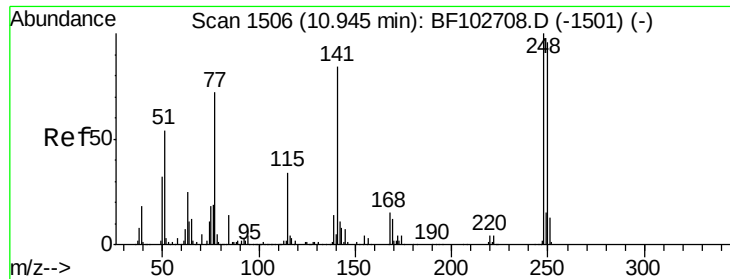
Tot Ion:188 Resp: 422485
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.99 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF102968.D
 Acq: 13 Feb 2018 18:12

Tgt Ion:198 Resp: 382
 Ion Ratio Lower Upper
 198 100
 51 306.8 37.7 77.7#
 105 220.5 36.3 76.3#

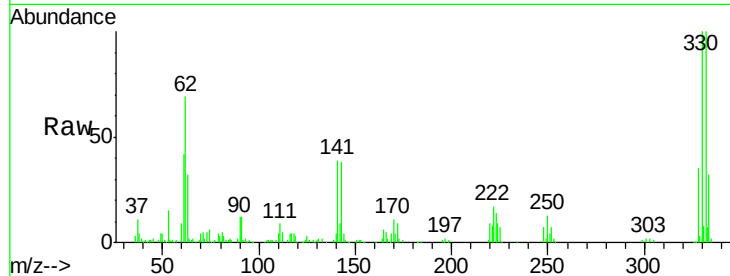




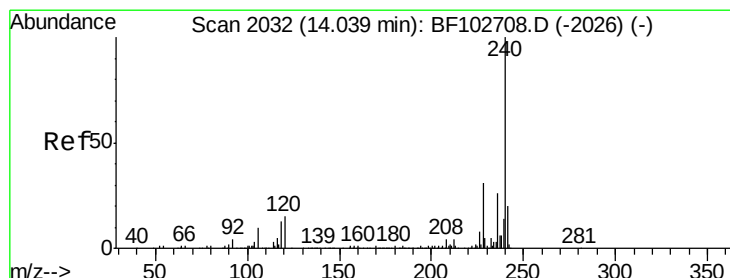
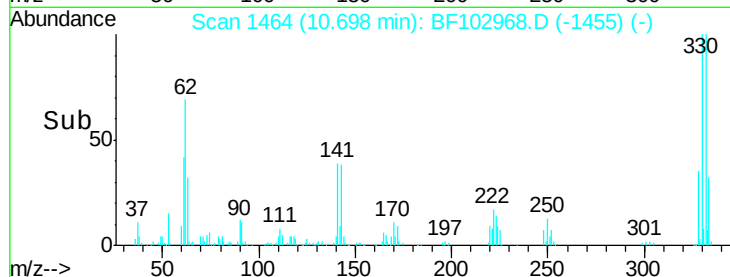
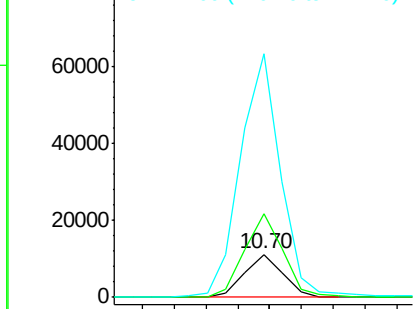
#66
 4-Bromophenyl-phenylether
 Concen: 2.09 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF102968.D
 Acq: 13 Feb 2018 18:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9342
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 568.6 74.4 111.6#

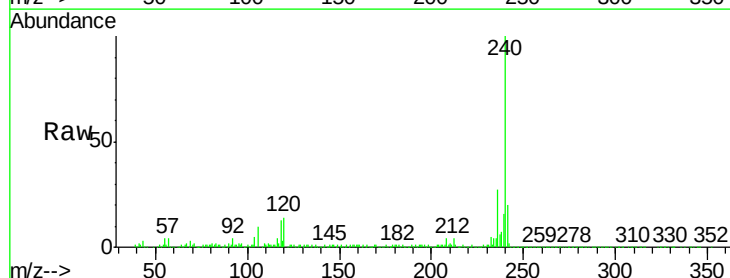


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

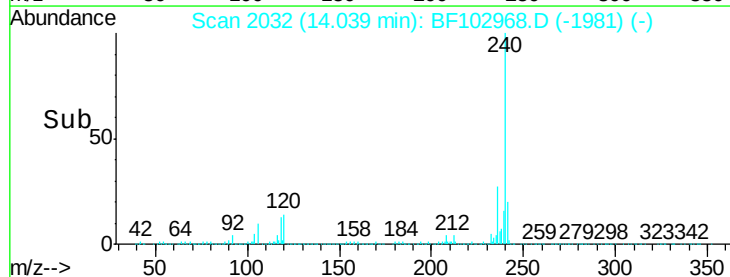
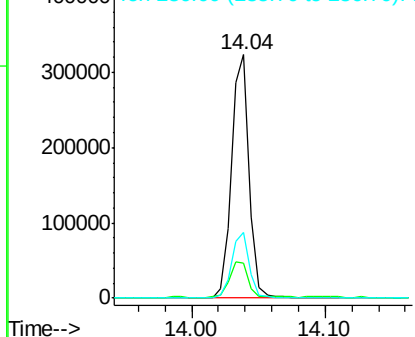


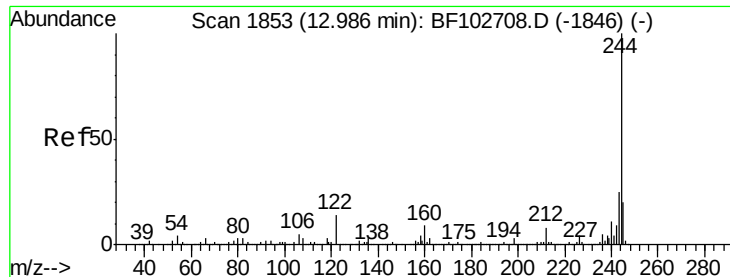
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BF102968.D
 Acq: 13 Feb 2018 18:12

Tgt Ion:240 Resp: 297995
 Ion Ratio Lower Upper
 240 100
 120 14.3 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: 43.06 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

Instrument :

BNA_F

ClientSampleId :

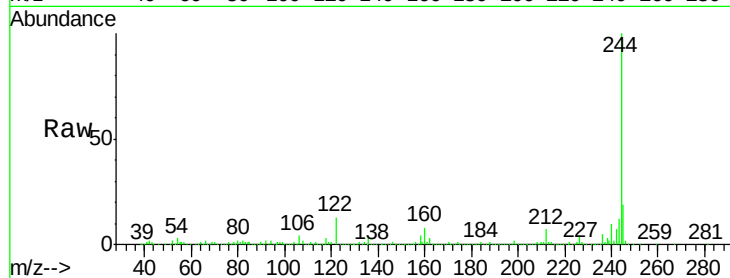
Tot Ion:244 Resp: 541936

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

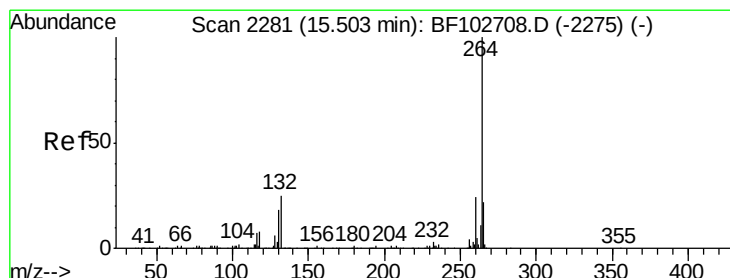
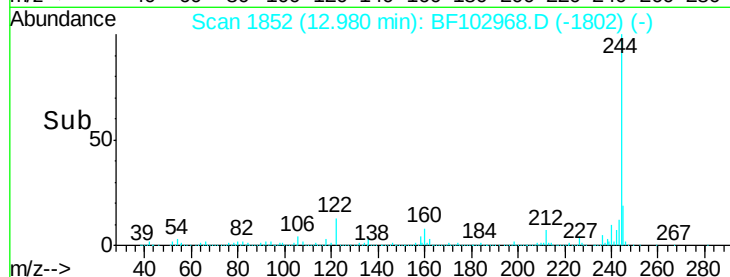
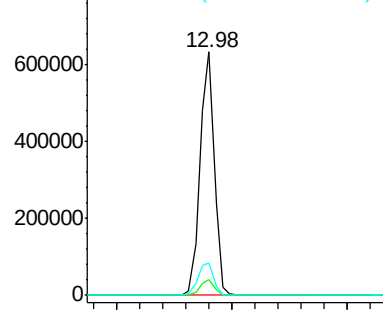
122 13.3 11.0 16.4



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: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF102968.D

Acq: 13 Feb 2018 18:12

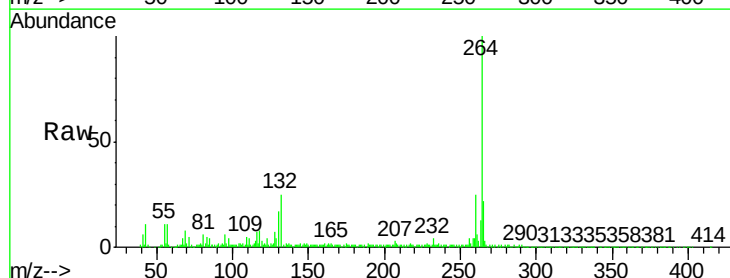
Tgt Ion:264 Resp: 232141

Ion Ratio Lower Upper

264 100

260 24.7 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

