

Data Path : U:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102809.D
 Acq On : 7 Feb 2018 12:25
 Operator : SJ/JU
 Sample : PB106326BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 01:30:38 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

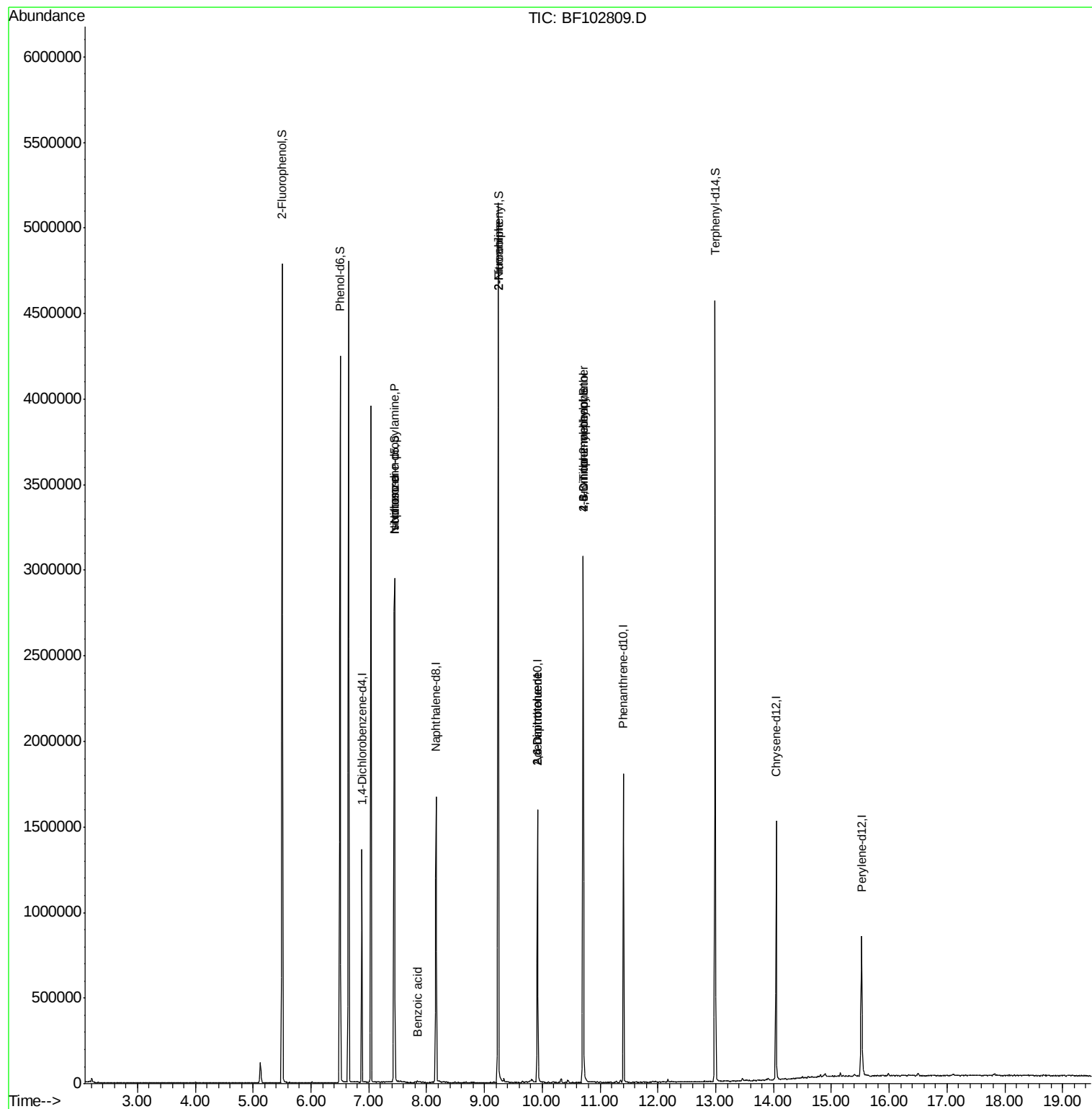
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	180250	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	745529	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	349172	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	625423	20.00	ng	0.00
75) Chrysene-d12	14.04	240	507500	20.00	ng	0.00
86) Perylene-d12	15.52	264	405813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1390238	117.13	ng	0.01
7) Phenol-d6	6.51	99	1635607	114.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	1047931	97.51	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	381501	135.74	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1789970	85.06	ng	0.00
78) Terphenyl-d14	12.99	244	1782156	83.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	140269	14.887	ng	# 80
25) Isophorone	7.45	82	1047923	42.346	ng	# 64
32) Benzoic acid	7.83	122	3679	9.025	ng	# 91
47) 2-Nitroaniline	9.23	65	3280	3.898	ng	# 20
50) 2,6-Dinitrotoluene	9.92	165	43611	8.420	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	43611	8.951	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	775	9.068	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	25244	3.816	ng	# 1

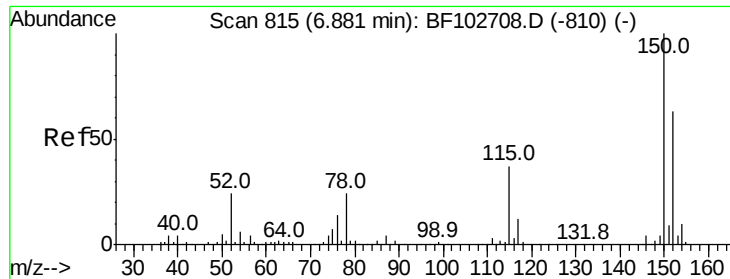
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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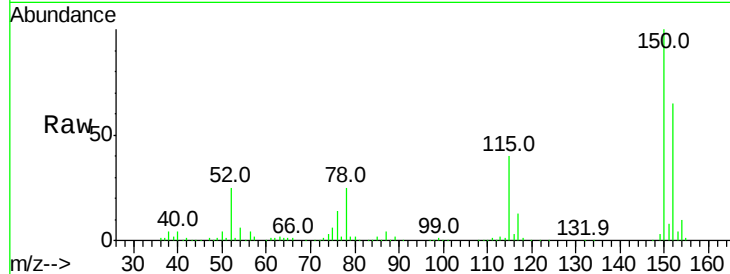


#1

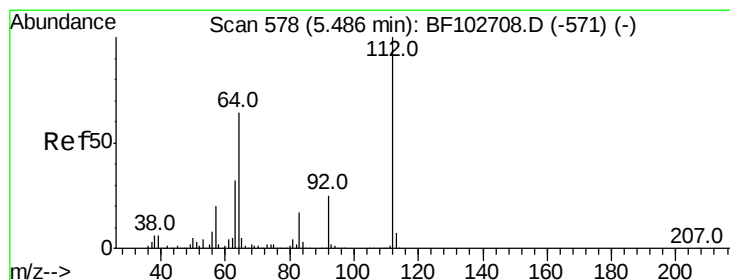
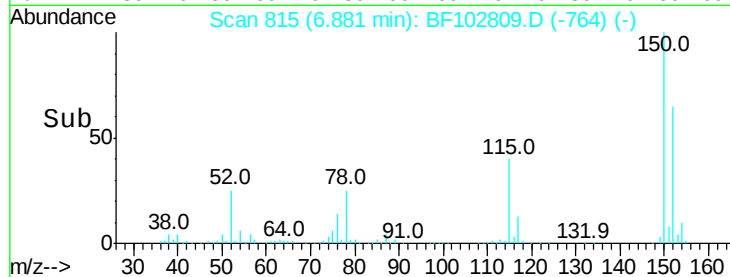
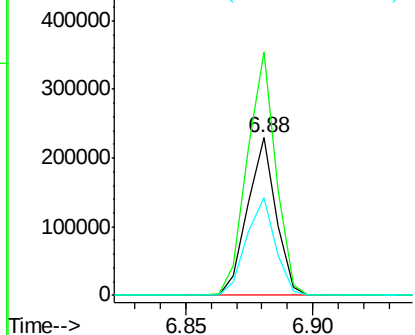
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 180250
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 61.7 50.1 75.1



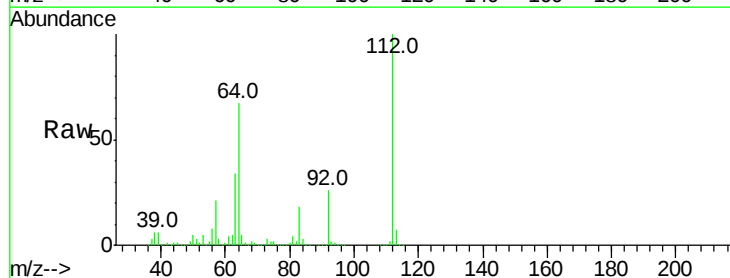
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



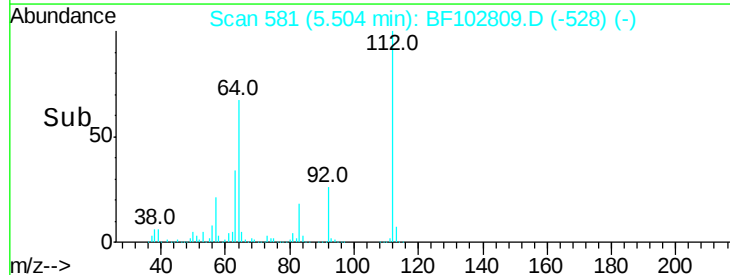
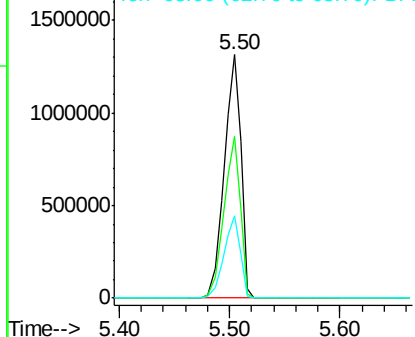
#5

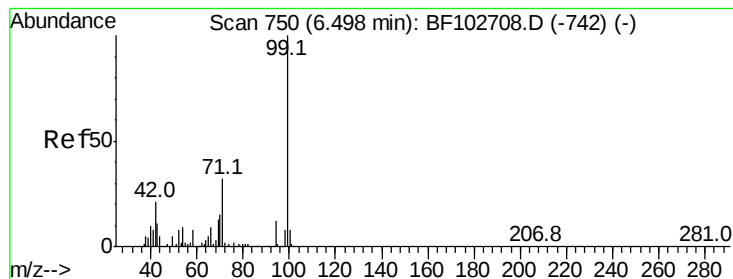
2-Fluorophenol
Concen: 117.132 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:112 Resp: 1390238
Ion Ratio Lower Upper
112 100
64 66.5 47.9 71.9
63 33.9 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: 114.450 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

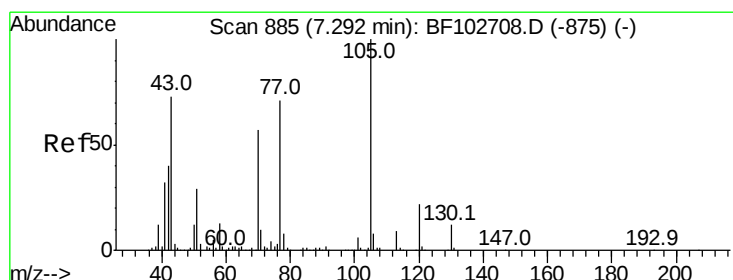
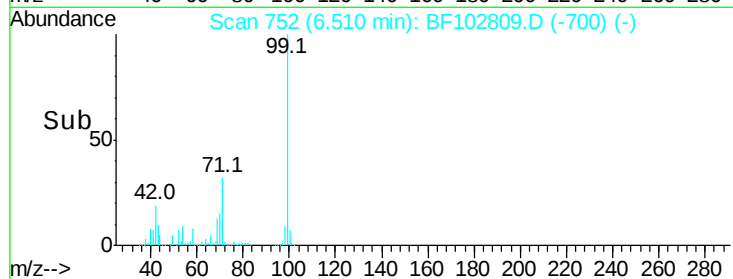
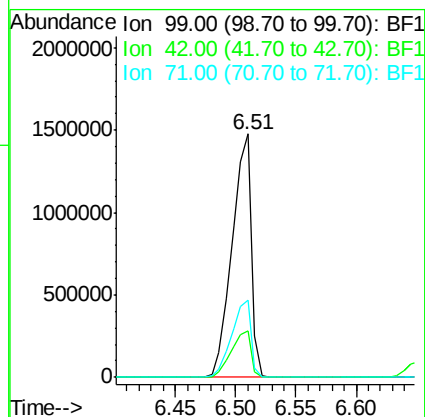
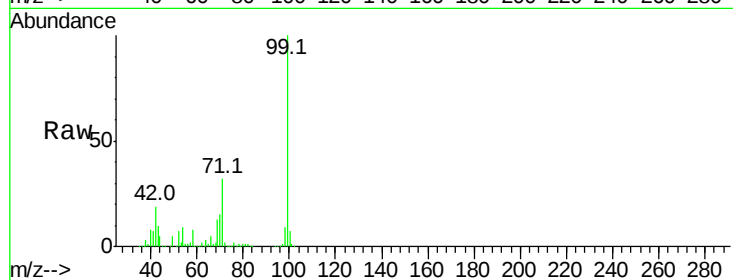
Tot Ion: 99 Resp: 1635607

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.887 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Tgt Ion: 70 Resp: 140269

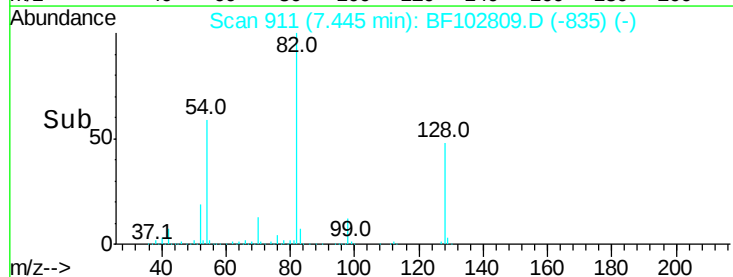
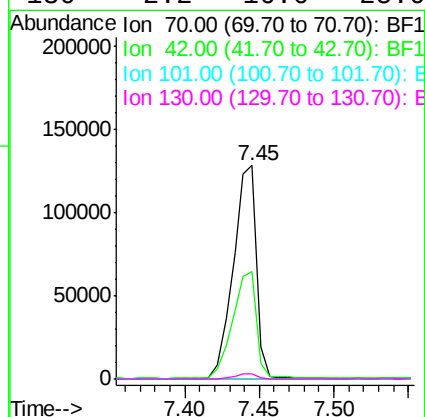
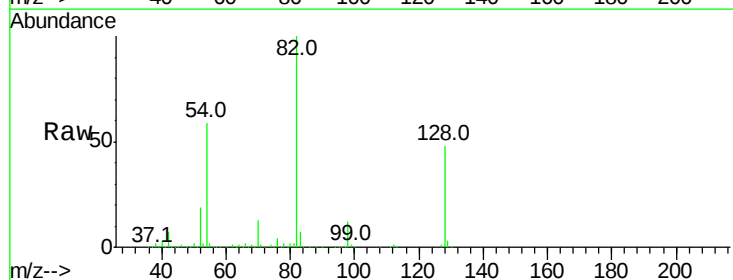
Ion Ratio Lower Upper

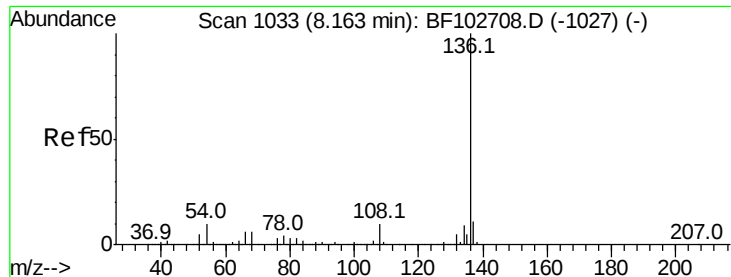
70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

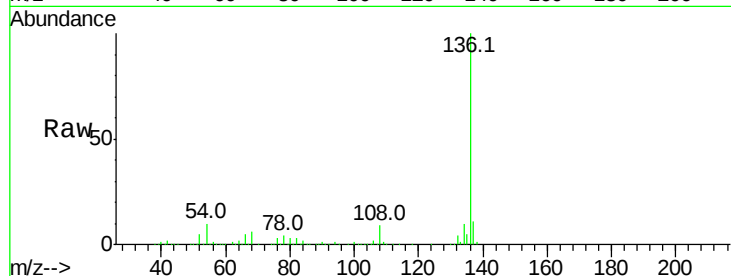




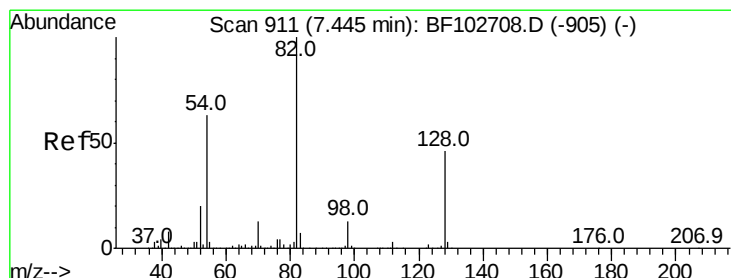
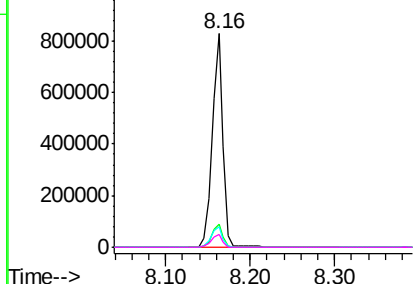
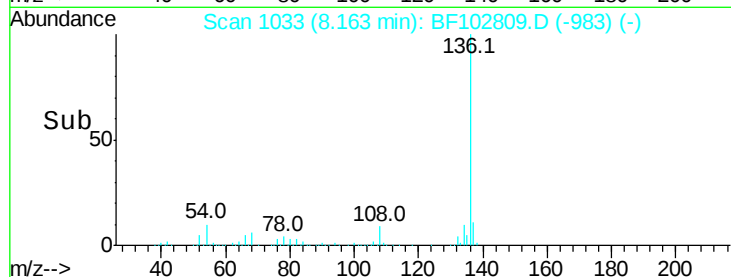
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	745529
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 9.8	6.6	9.8
68 6.1	5.0	7.4

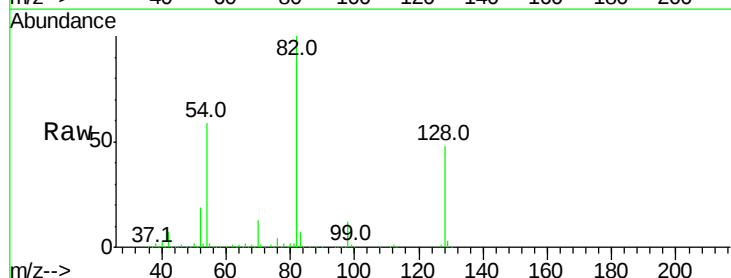


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

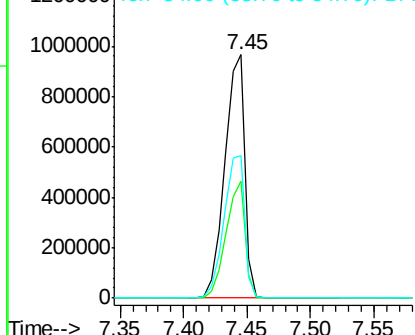
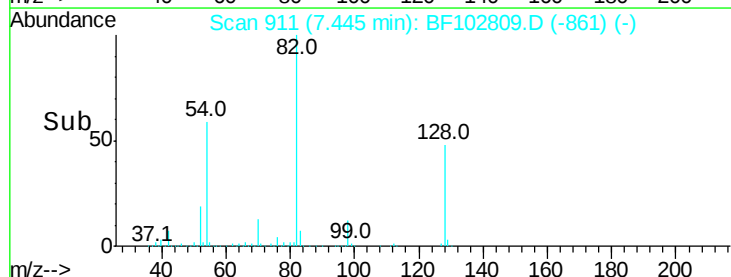


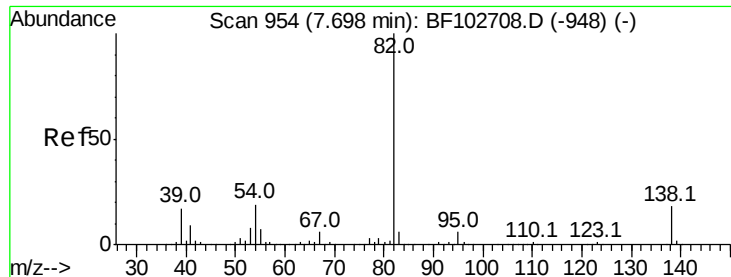
#23
Nitrobenzene-d5
Concen: 97.509 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion: 82	Resp: 1047931
Ion Ratio	Lower Upper
82 100	
128 48.2	36.1 54.1
54 58.7	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: 42.346 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampled :

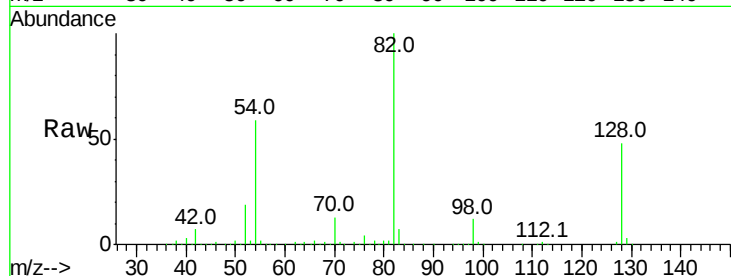
Tot Ion: 82 Resp: 1047923

Ion Ratio Lower Upper

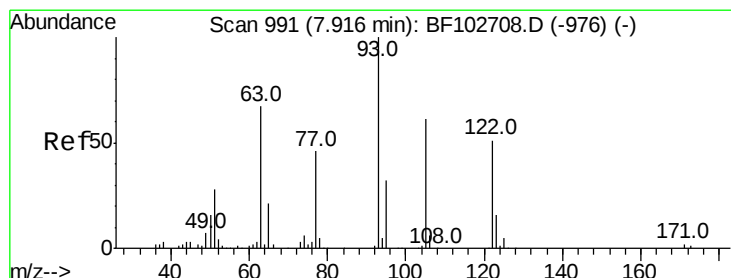
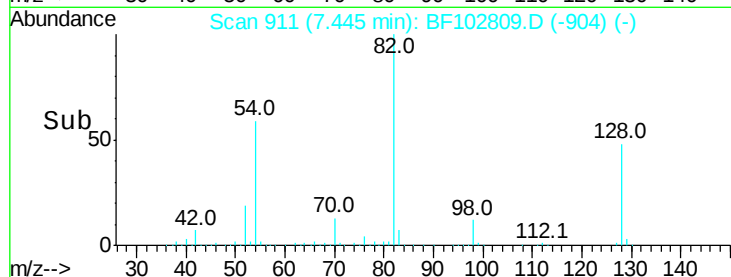
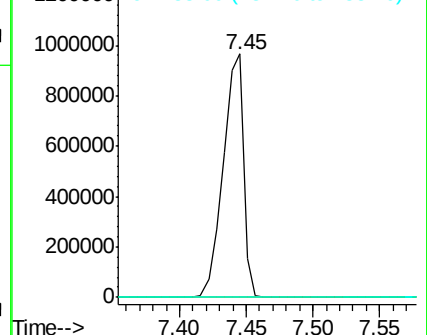
82 100

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



#32

Benzoic acid

Concen: 9.025 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.10 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

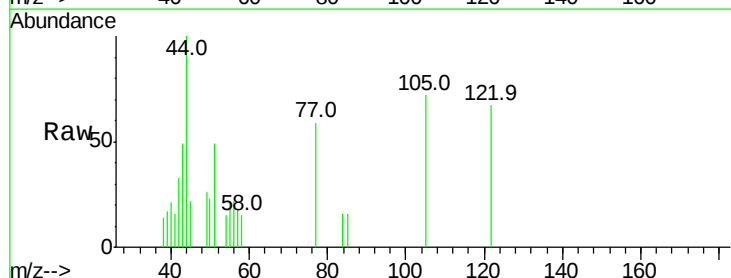
Tgt Ion:122 Resp: 3679

Ion Ratio Lower Upper

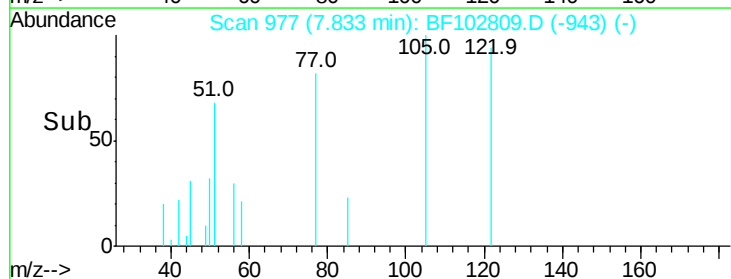
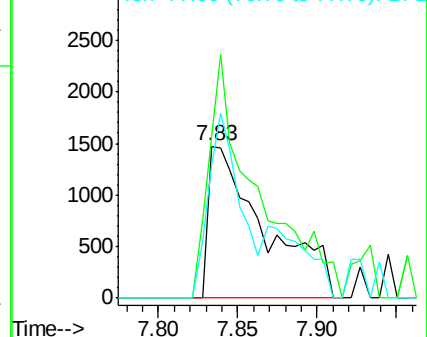
122 100

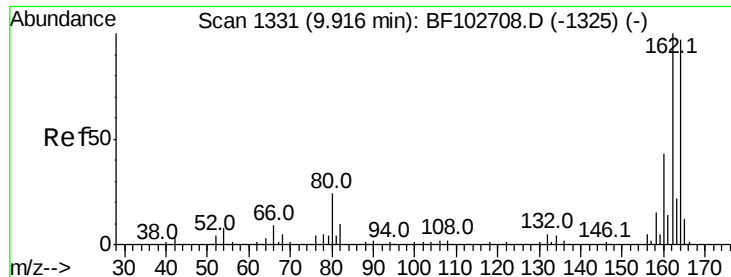
105 106.7 101.1 141.1

77 88.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

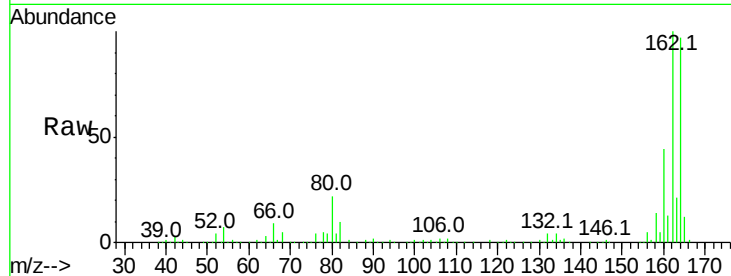




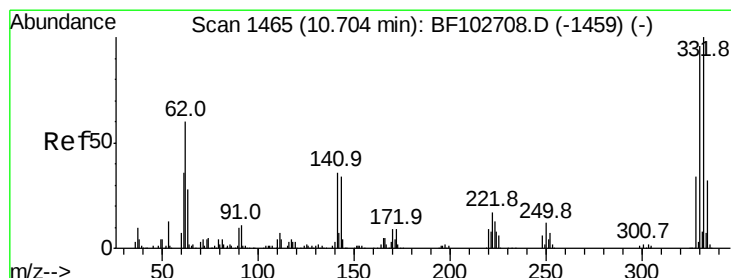
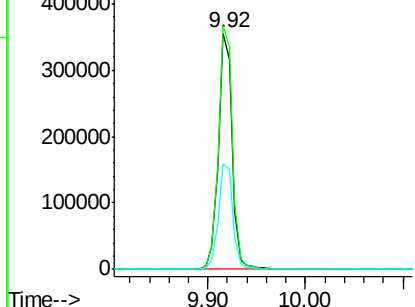
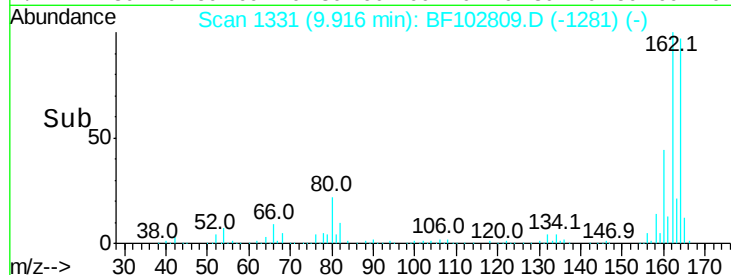
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 349172
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 44.8 38.3 57.5

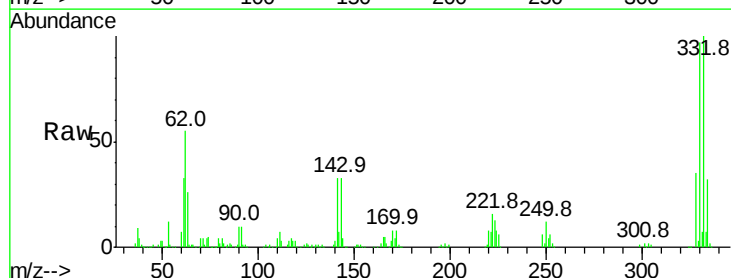


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

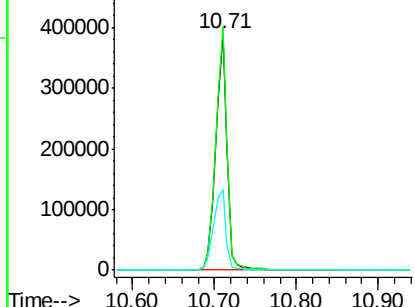
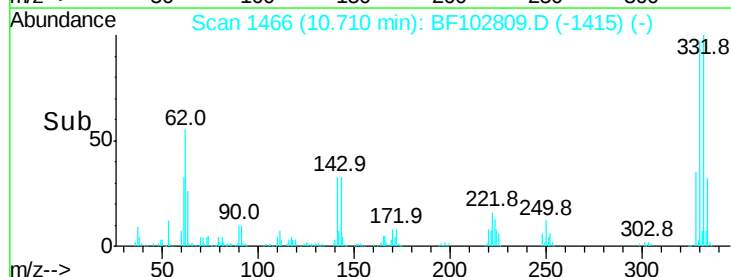


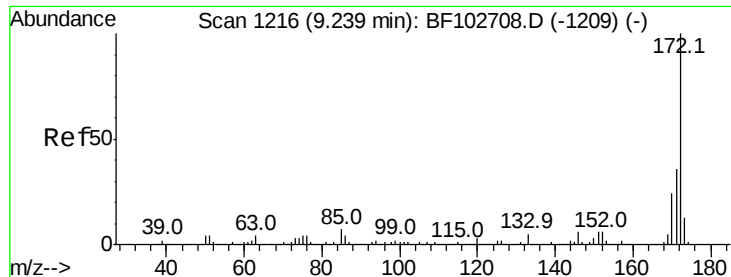
#41
2,4,6-Tribromophenol
Concen: 135.745 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:330 Resp: 381501
Ion Ratio Lower Upper
330 100
332 102.1 77.0 115.6
141 37.1 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

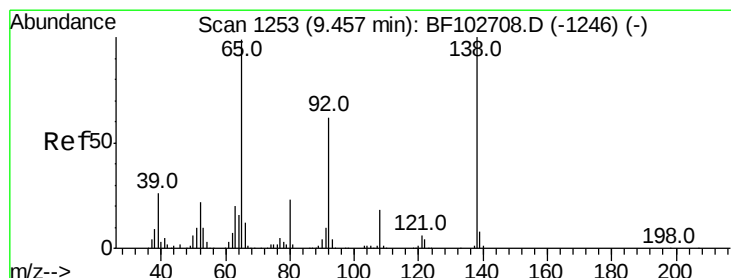
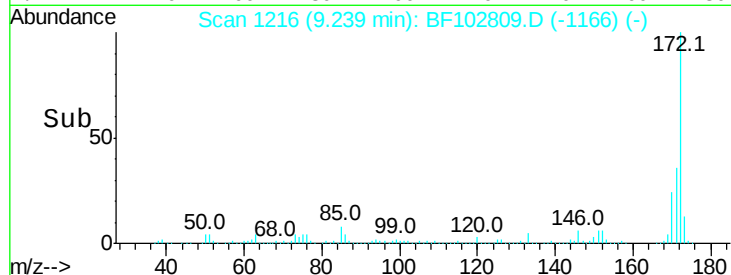
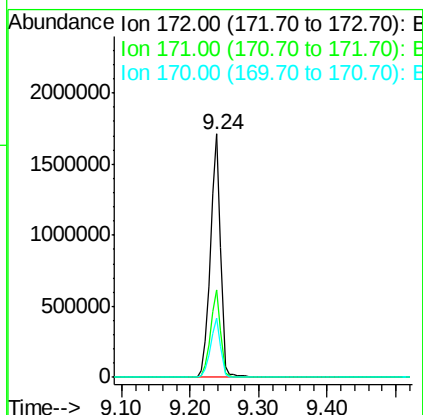
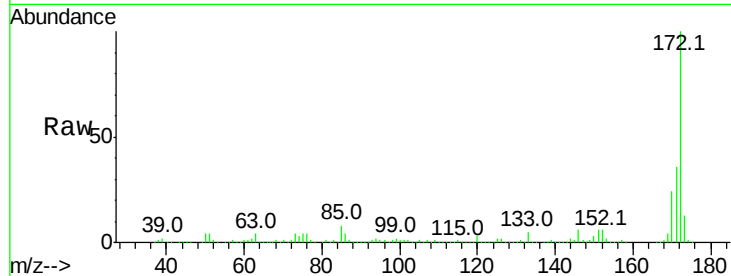




#44
 2-Fluorobiphenyl
 Concen: 85.064 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102809.D
 Acq: 7 Feb 2018 12:25

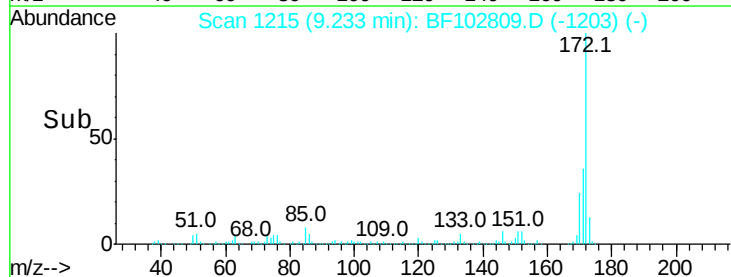
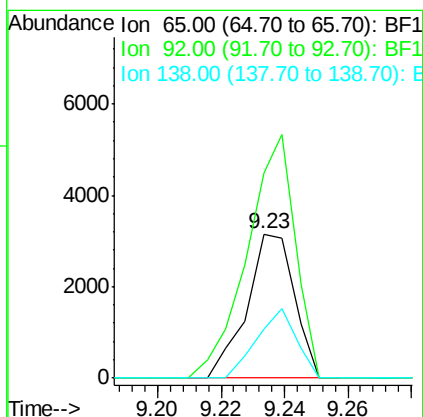
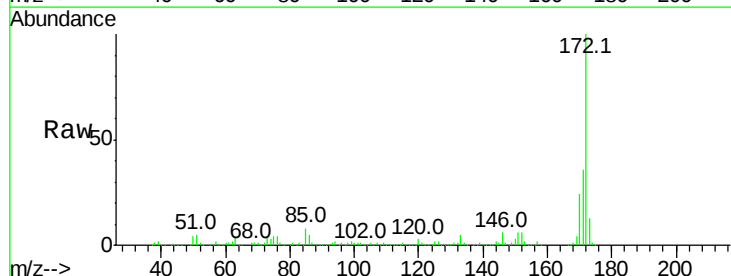
Instrument :
 BNA_F
 ClientSampleId :

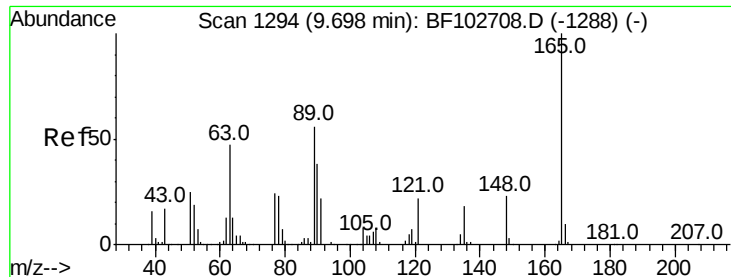
Tot Ion:172 Resp: 1789970
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.4 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.898 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF102809.D
 Acq: 7 Feb 2018 12:25

Tgt Ion: 65 Resp: 3280
 Ion Ratio Lower Upper
 65 100
 92 142.4 55.8 83.6#
 138 34.2 91.2 136.8#





#50

2,6-Dinitrotoluene

Concen: 8.420 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

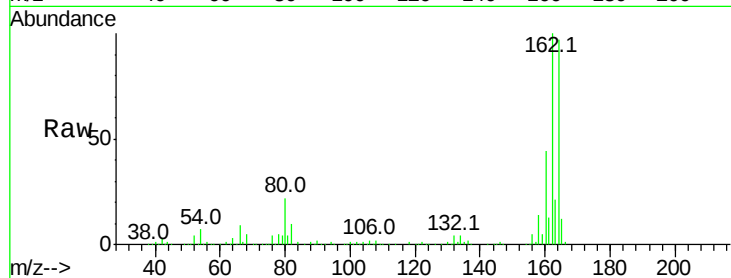
Tot Ion:165 Resp: 43611

Ion Ratio Lower Upper

165 100

63 0.9 44.7 67.1#

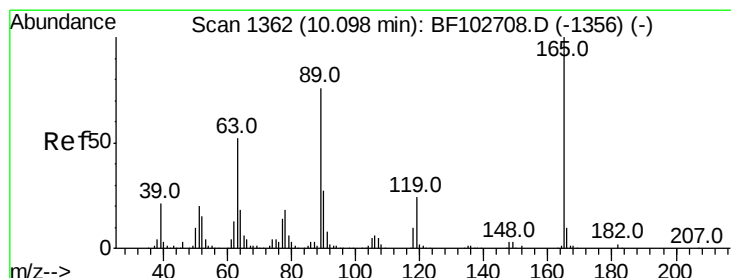
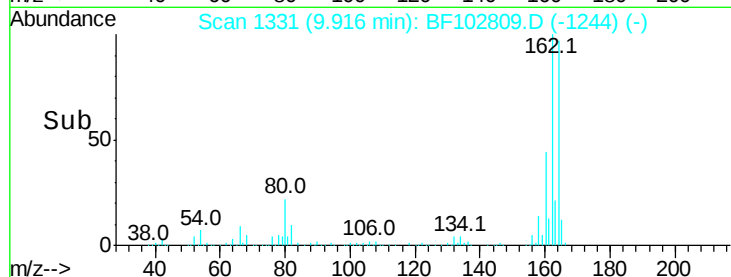
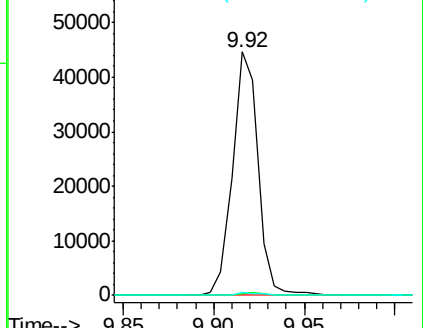
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 8.951 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Tgt Ion:165 Resp: 43611

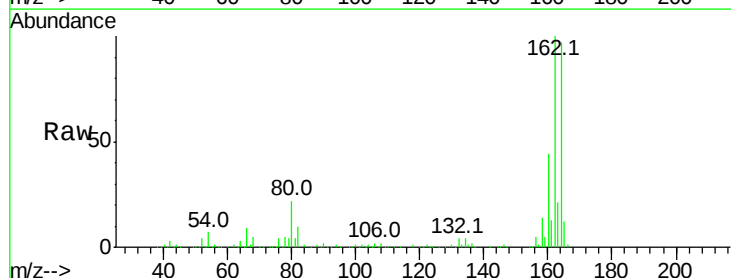
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

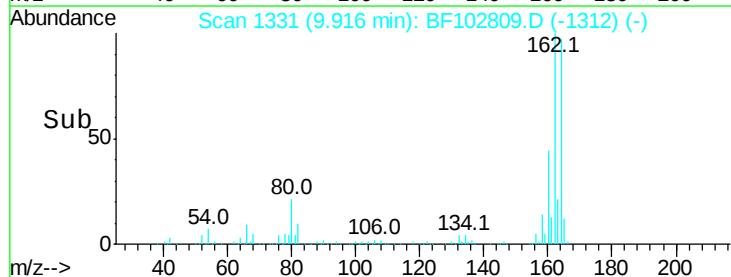
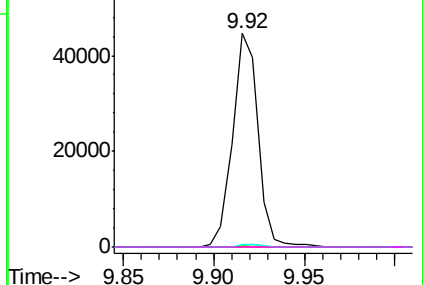


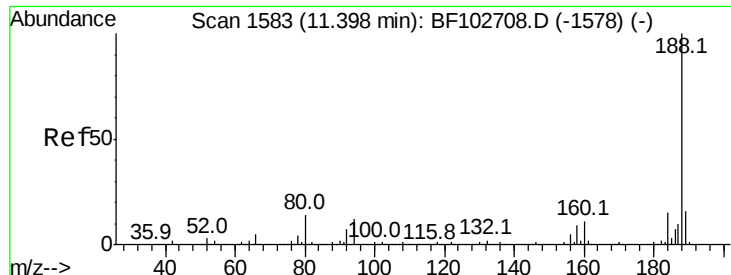
Abundance Ion 165.00 (164.70 to 165.70): E

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

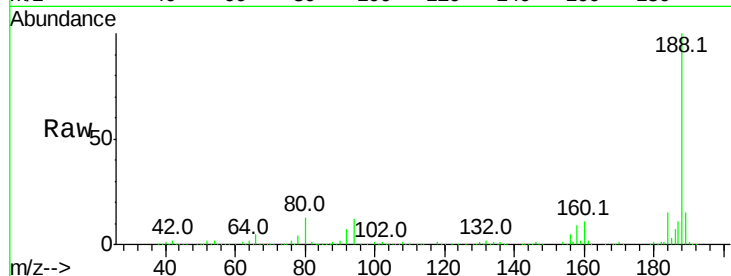




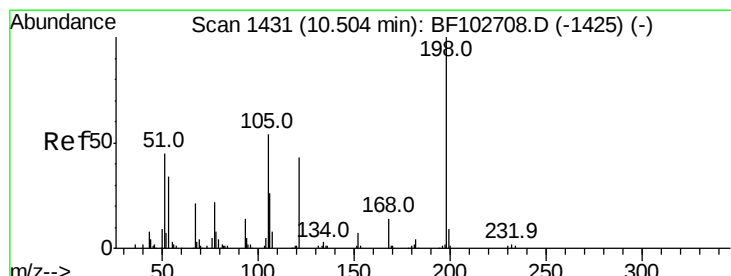
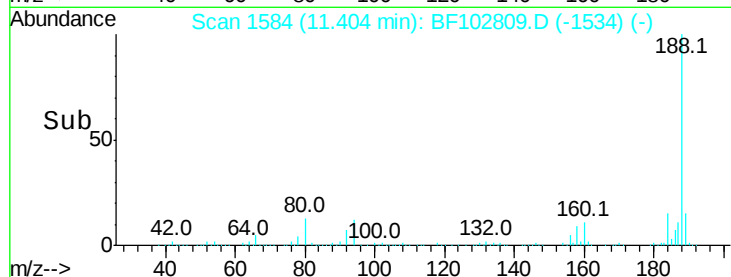
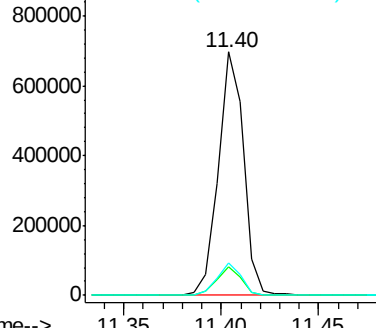
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102809.D
 Acq: 7 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 625423
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 13.3 9.2 13.8

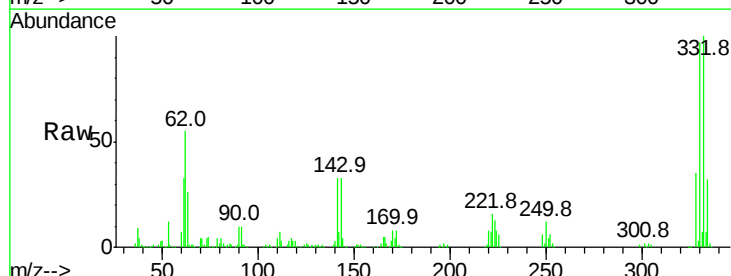


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

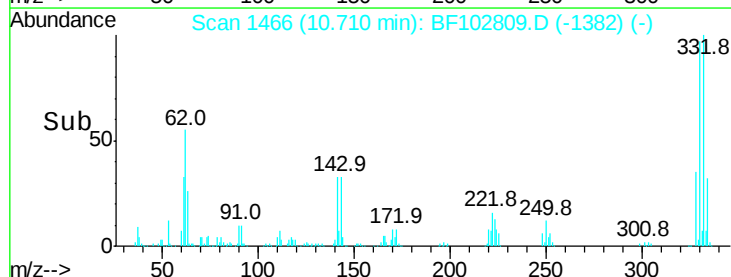
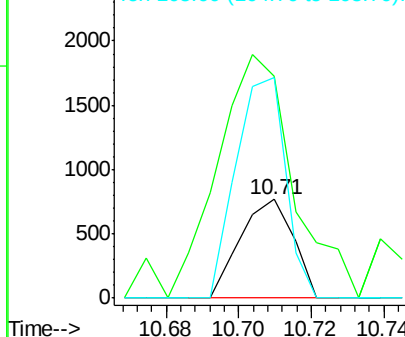


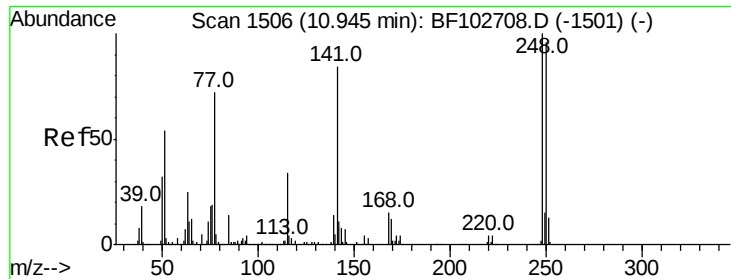
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.068 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102809.D
 Acq: 7 Feb 2018 12:25

Tgt Ion:198 Resp: 775
 Ion Ratio Lower Upper
 198 100
 51 225.2 37.7 77.7#
 105 223.5 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

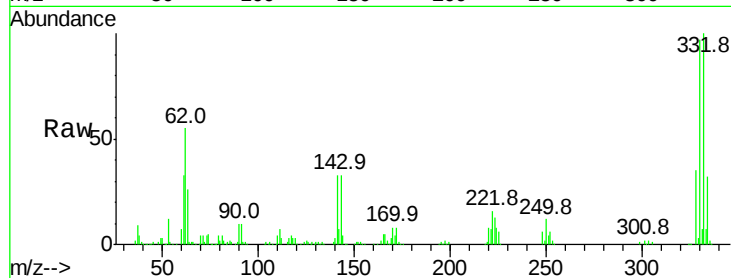




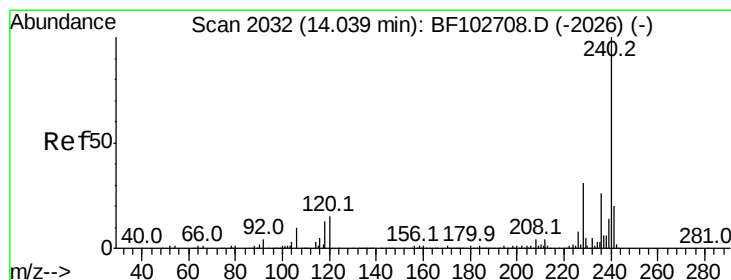
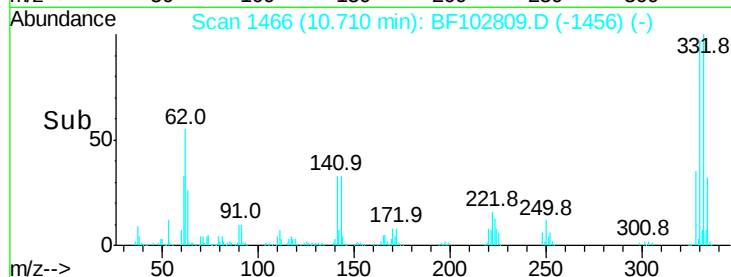
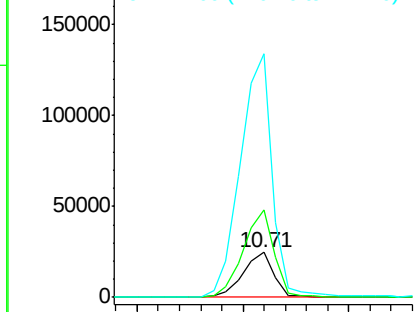
#66
4-Bromophenyl-phenylether
Concen: 3.816 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 25244
Ion Ratio Lower Upper
248 100
250 194.6 76.9 115.3#
141 540.5 74.4 111.6#

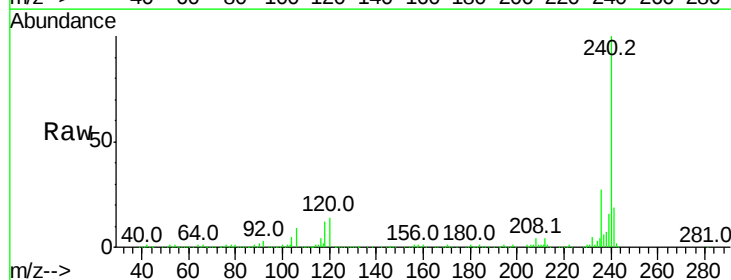


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

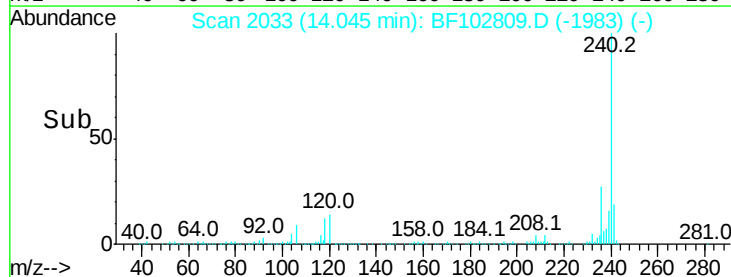
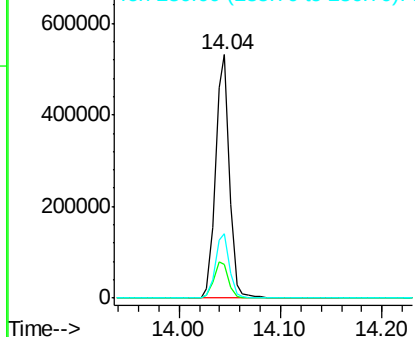


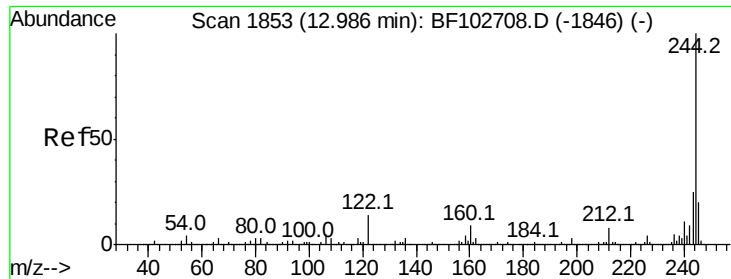
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:240 Resp: 507500
Ion Ratio Lower Upper
240 100
120 13.6 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: 83.148 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

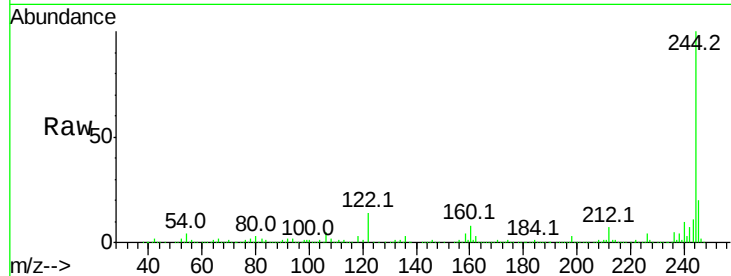
Tot Ion:244 Resp: 1782156

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

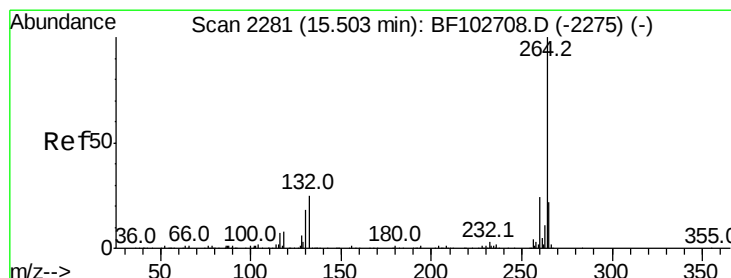
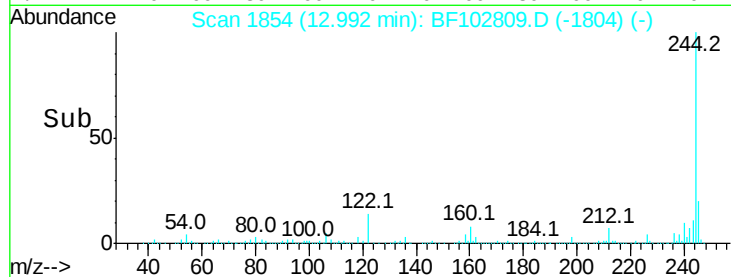
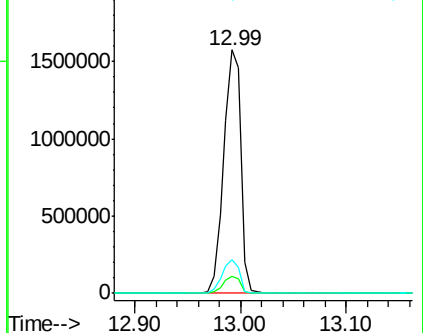
122 14.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

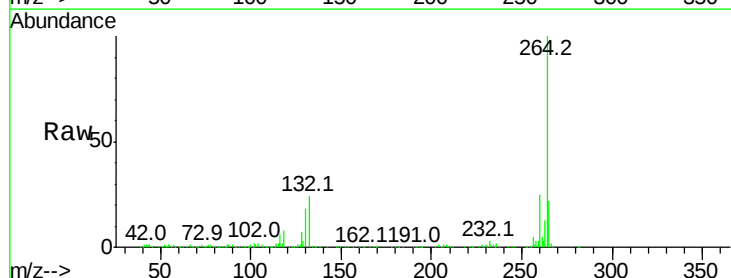
Tgt Ion:264 Resp: 405813

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 21.8 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

