

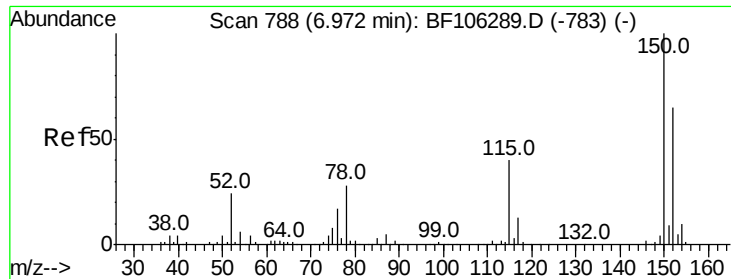
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106409.D
 Acq On : 13 Jun 2018 23:25
 Operator : JU/SJ
 Sample : J3448-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 02:23:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145598	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	553166	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	267071	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	495709	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	357861	20.00	ng	-0.02
86) Perylene-d12	15.68	264	366831	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	483503	56.20	ng	-0.01
7) Phenol-d6	6.61	99	389510	35.84	ng	-0.01
23) Nitrobenzene-d5	7.53	82	797846	84.85	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	354199	137.84	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1283748	85.53	ng	0.00
78) Terphenyl-d14	13.08	244	1283442	89.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	18379	2.229	ng	86
10) Phenol	6.63	94	38640	3.257	ng	91
19) n-Nitroso-di-n-propylamine	7.53	70	109012	13.369	ng	# 76
25) Isophorone	7.53	82	797835	43.440	ng	# 64
49) Dimethylphthalate	9.71	163	146416	7.674	ng	99
56) 2,4-Dinitrotoluene	10.01	165	35292	7.211	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	818	6.561	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	23222	4.119	ng	# 1

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

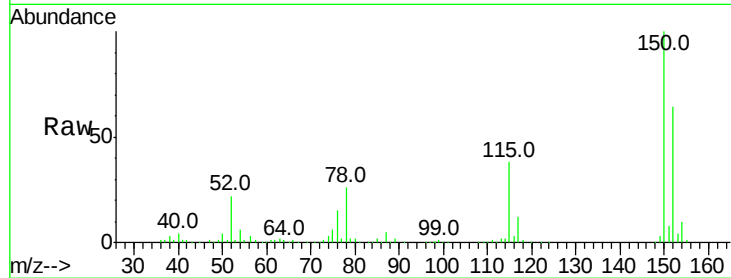


#1

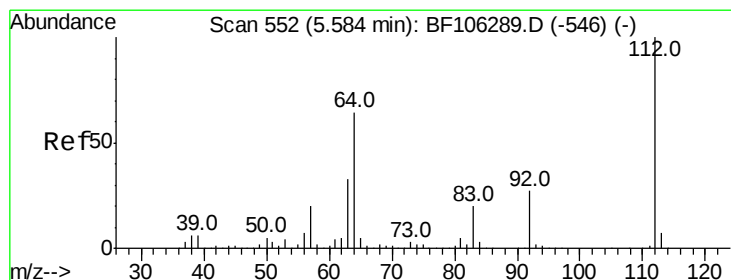
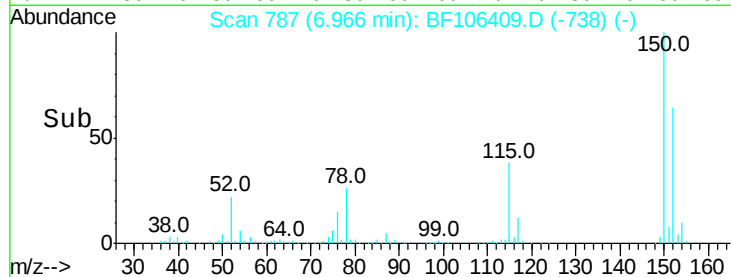
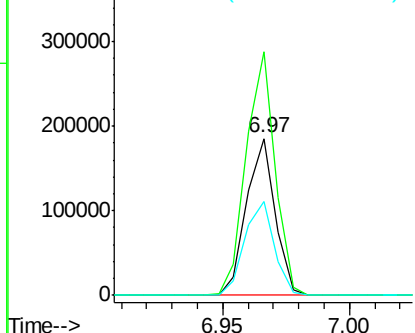
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106409.D
Acq: 13 Jun 2018 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	59.6	50.1	75.1



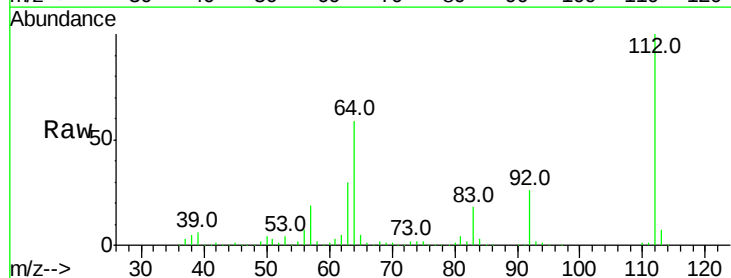
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



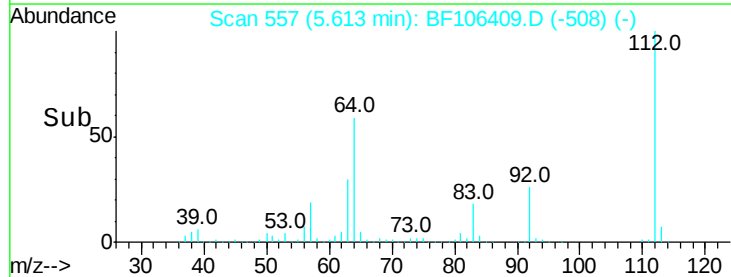
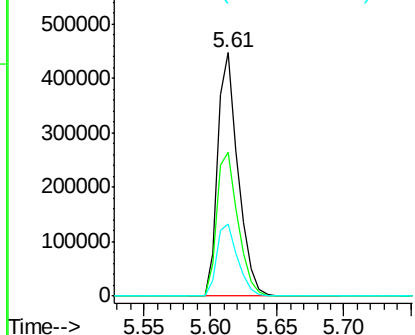
#5

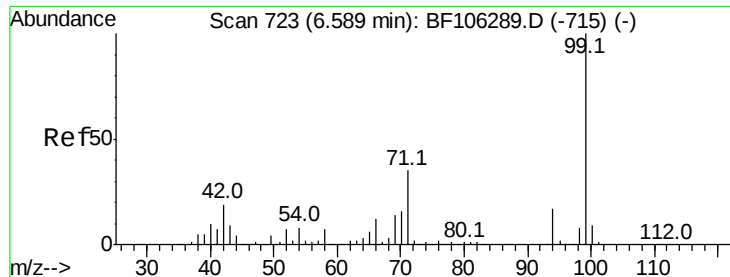
2-Fluorophenol
Concen: 56.205 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106409.D
Acq: 13 Jun 2018 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	29.8	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: 35.838 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampled :

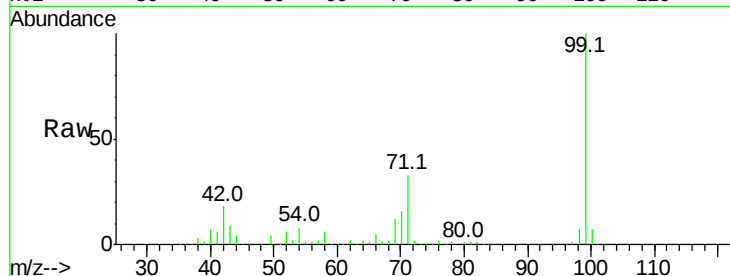
Tot Ion: 99 Resp: 389510

Ion Ratio Lower Upper

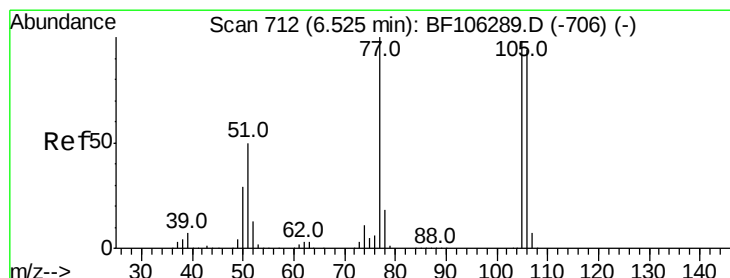
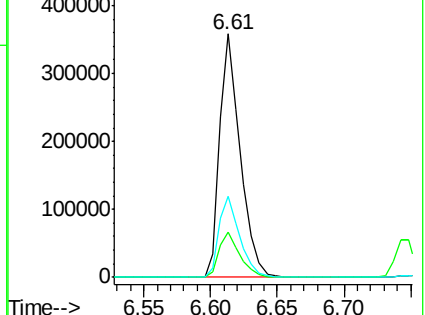
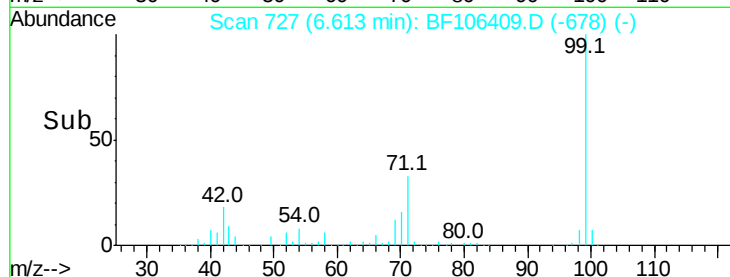
99 100

42 18.3 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: 2.229 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

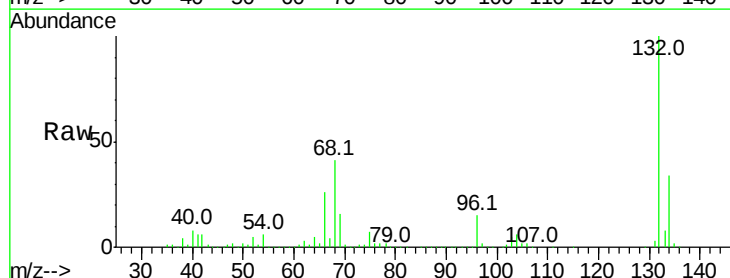
Tgt Ion: 77 Resp: 18379

Ion Ratio Lower Upper

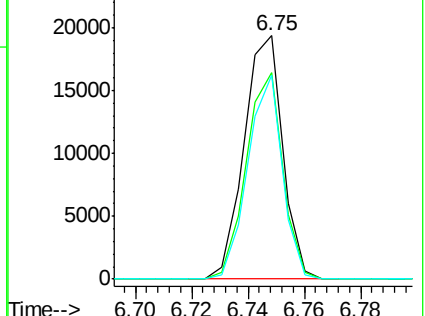
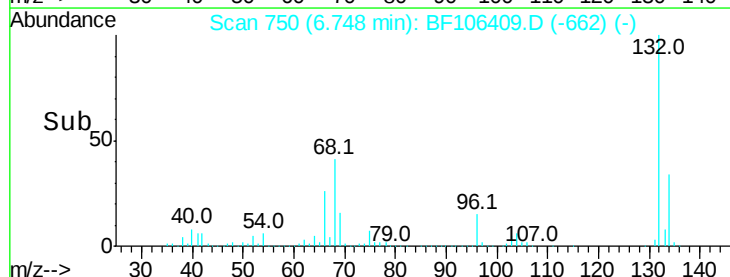
77 100

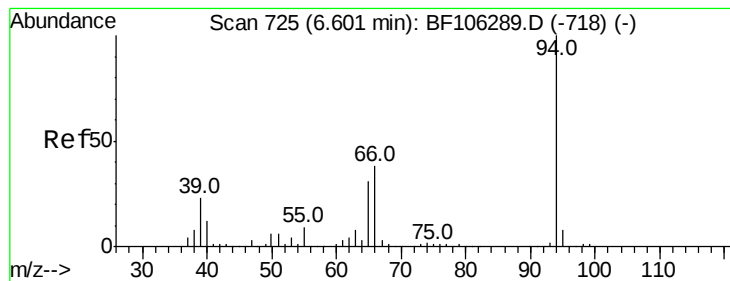
105 84.6 81.1 121.1

106 83.7 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: 3.257 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampleId :

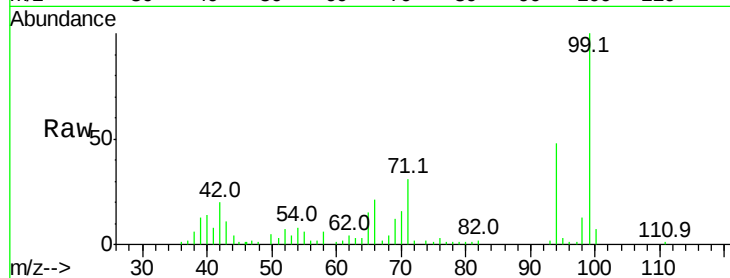
Tot Ion: 94 Resp: 38640

Ion Ratio Lower Upper

94 100

65 31.5 7.9 47.9

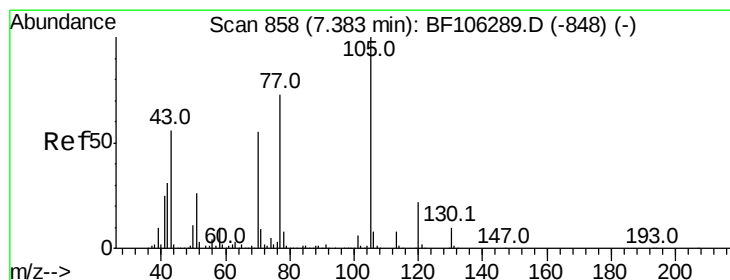
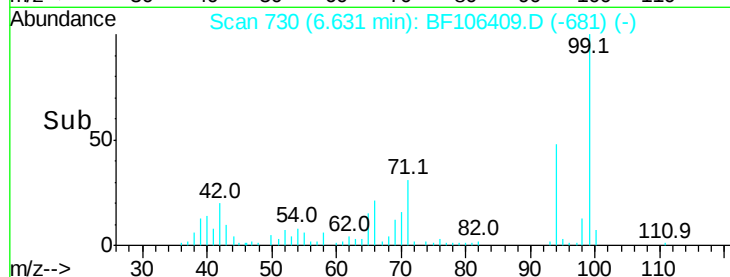
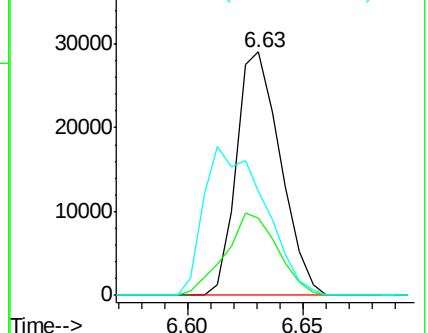
66 42.9 16.2 56.2



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: 13.369 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Tgt Ion: 70 Resp: 109012

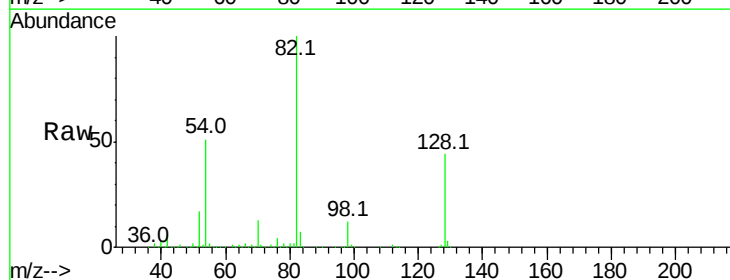
Ion Ratio Lower Upper

70 100

42 45.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

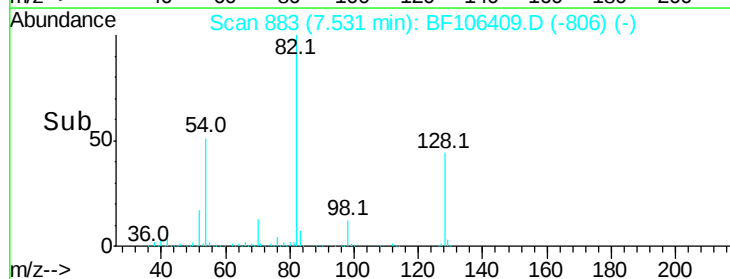
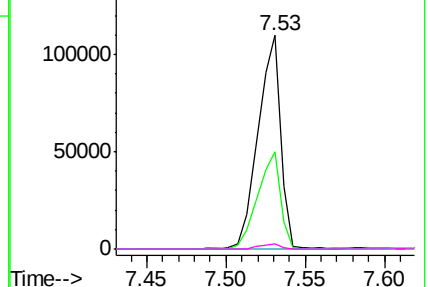


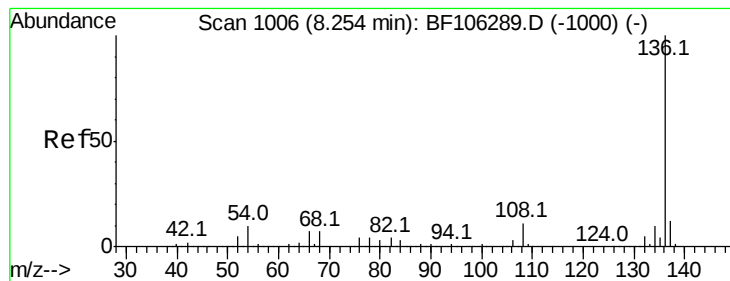
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 553166

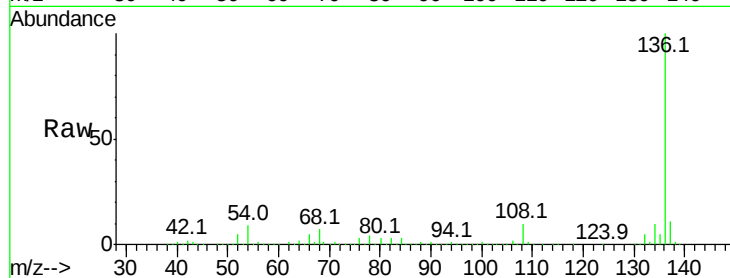
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.6 6.6 9.8

68 6.8 5.0 7.4

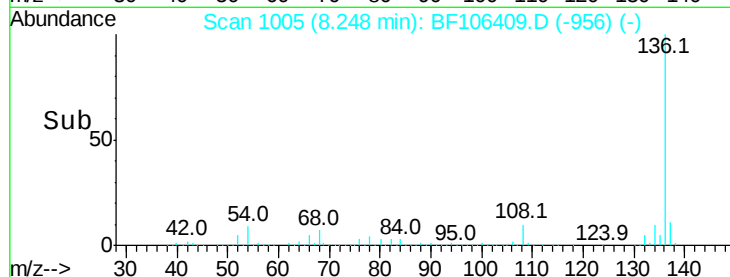


Abundance Ion 136.00 (135.70 to 136.70): E

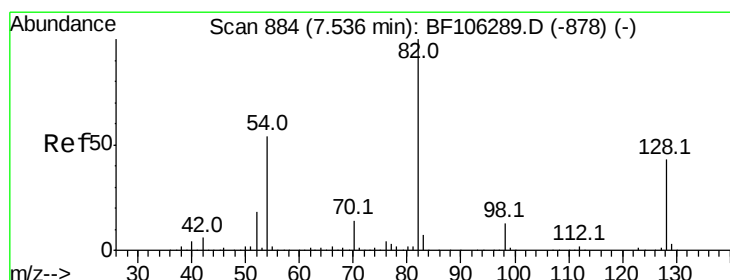
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 84.850 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

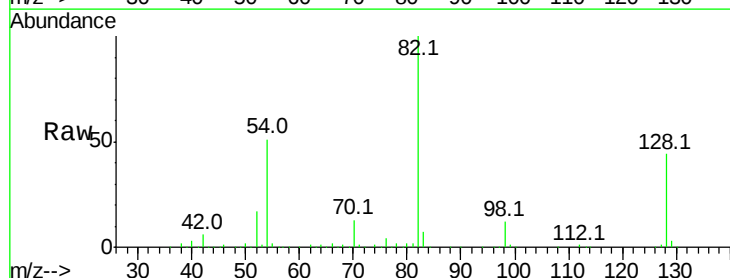
Tgt Ion: 82 Resp: 797846

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

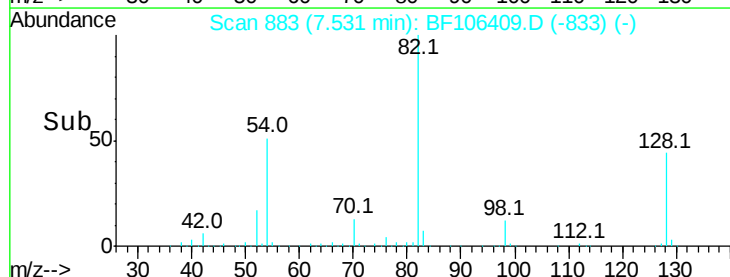
54 50.8 41.4 62.2



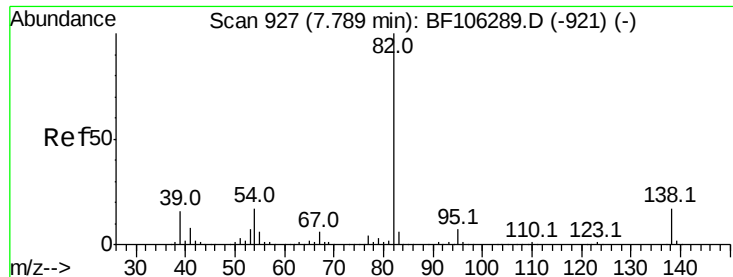
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 43.440 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampleId :

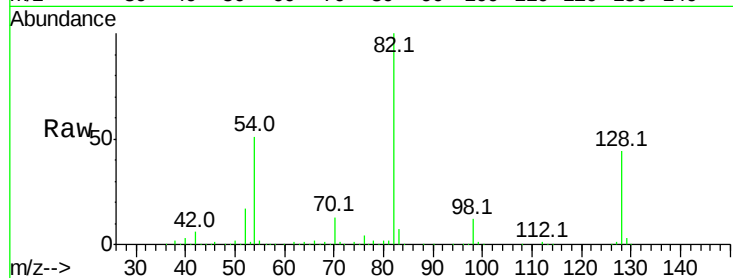
Tot Ion: 82 Resp: 797835

Ion Ratio Lower Upper

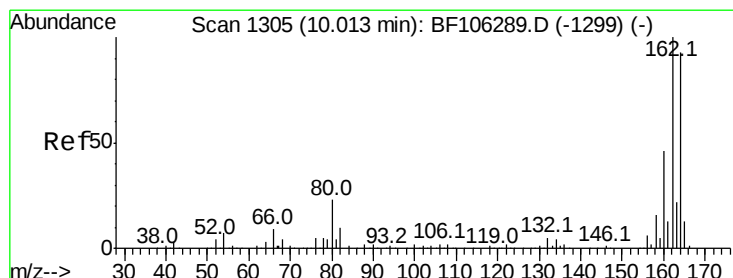
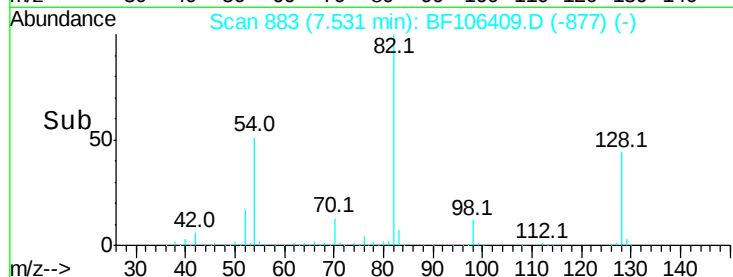
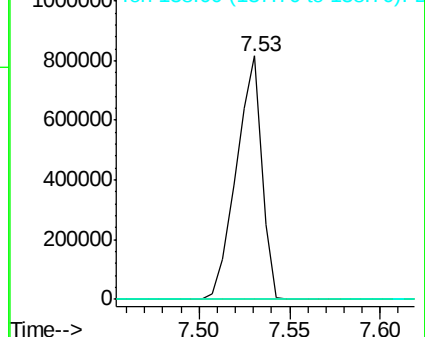
82 100

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: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

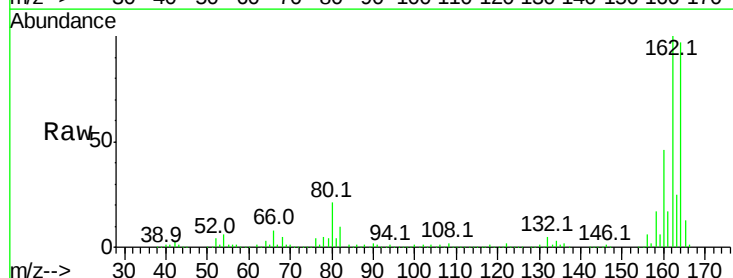
Tgt Ion:164 Resp: 267071

Ion Ratio Lower Upper

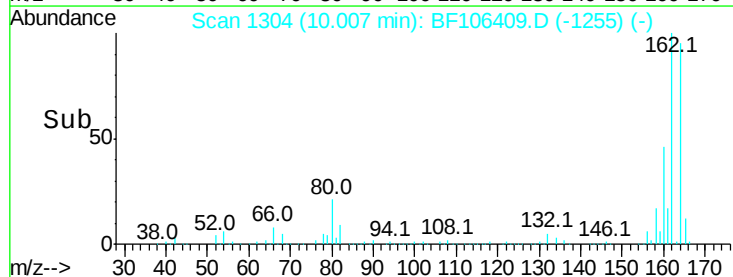
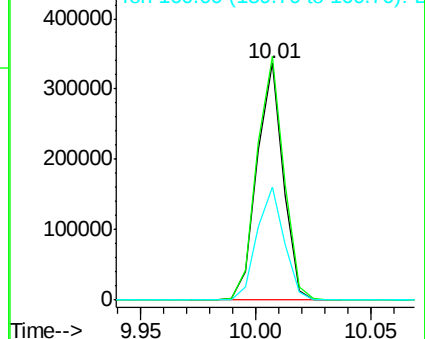
164 100

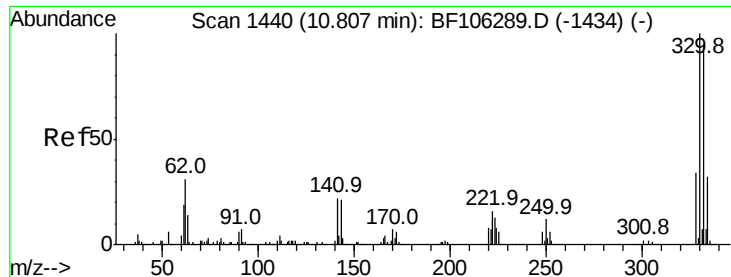
162 102.8 86.1 129.1

160 47.5 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: 137.837 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampled :

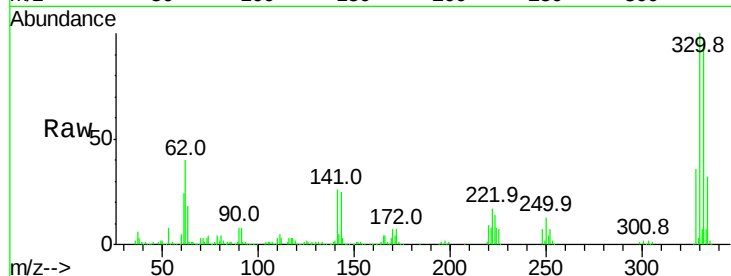
Tot Ion:330 Resp: 354199

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

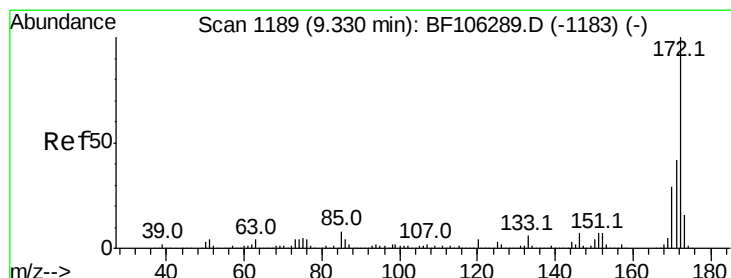
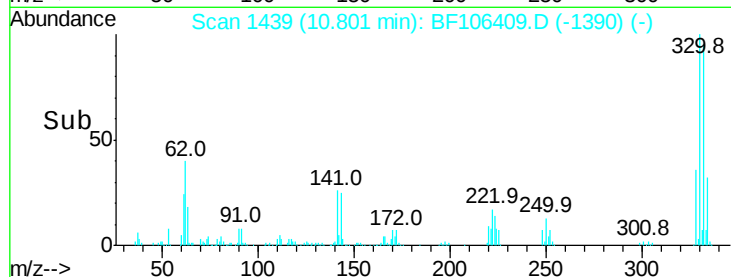
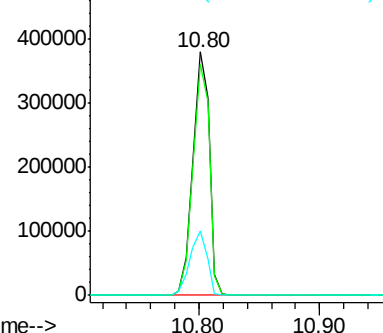
141 27.2 29.9 44.9#



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: 85.531 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

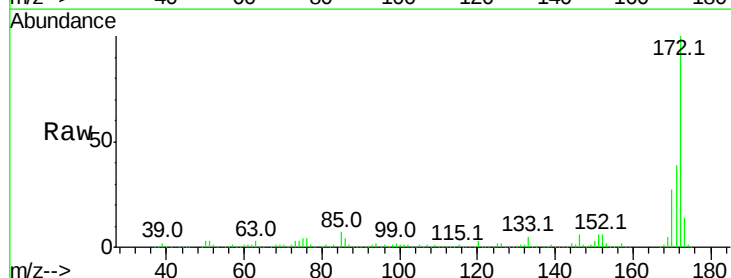
Tgt Ion:172 Resp: 1283748

Ion Ratio Lower Upper

172 100

171 39.4 29.7 44.5

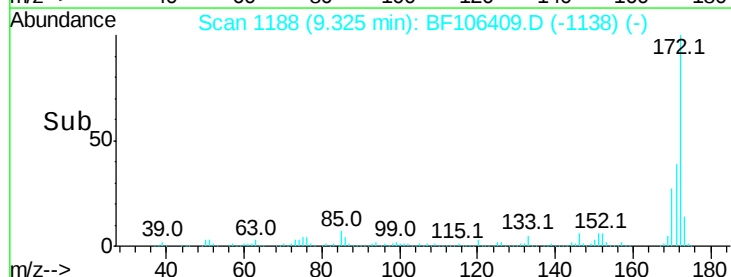
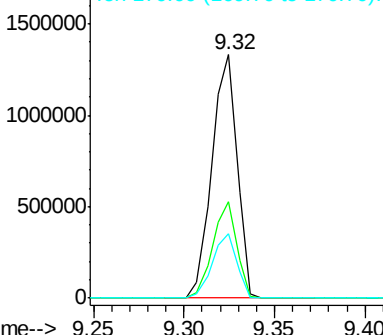
170 26.6 19.6 29.4

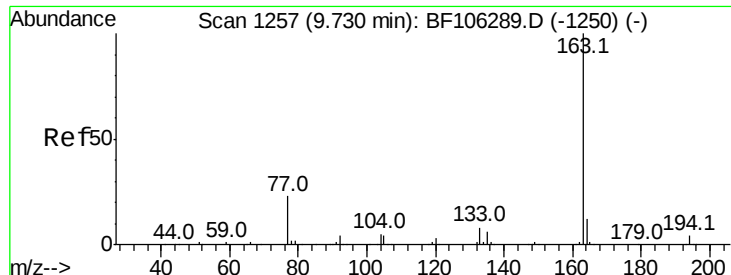


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

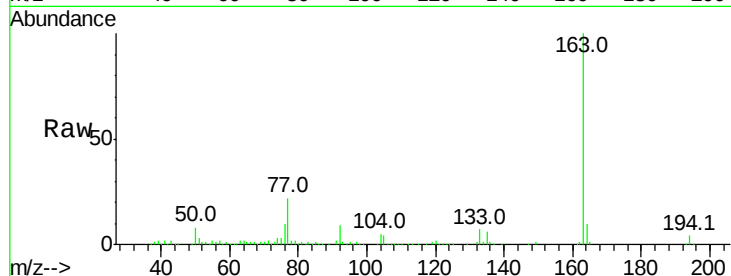




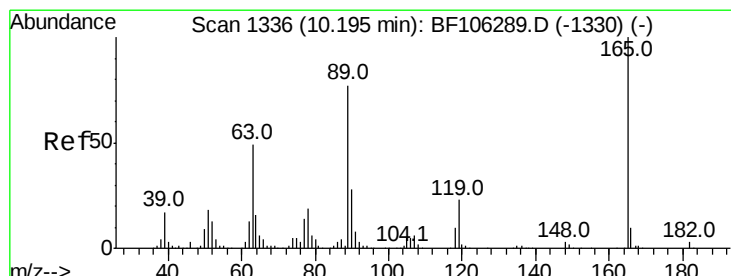
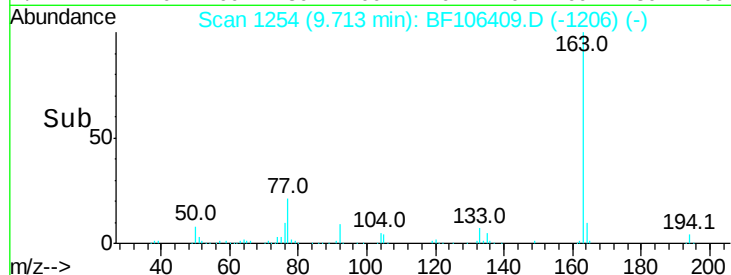
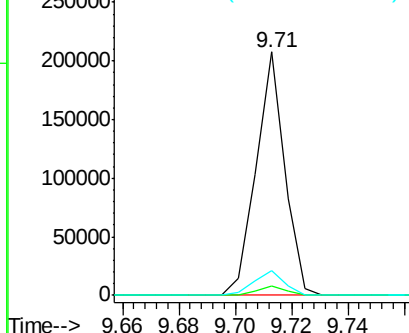
#49
Dimethylphthalate
Concen: 7.674 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106409.D
Acq: 13 Jun 2018 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 146416
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.9 8.2 12.2

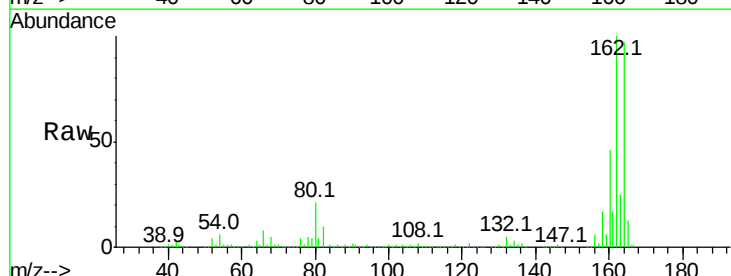


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

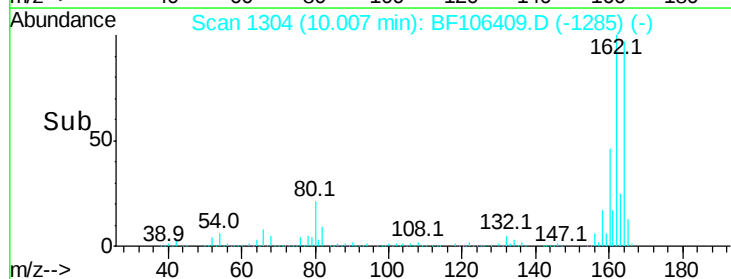
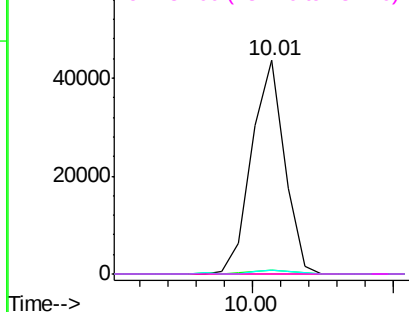


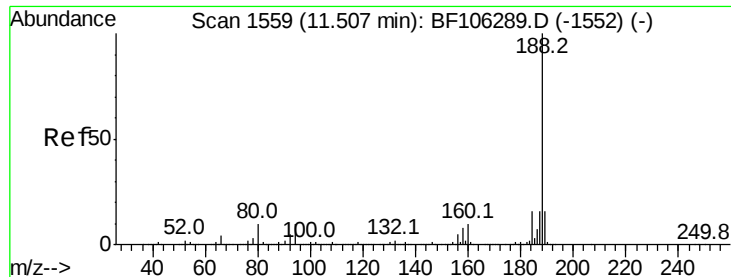
#56
2,4-Dinitrotoluene
Concen: 7.211 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF106409.D
Acq: 13 Jun 2018 23:25

Tgt Ion:165 Resp: 35292
Ion Ratio Lower Upper
165 100
63 2.1 36.4 54.6#
89 1.6 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: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampleId :

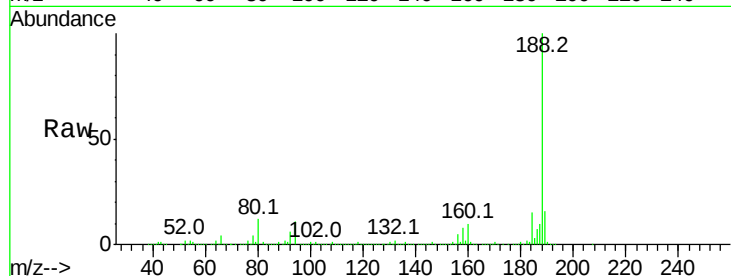
Tot Ion:188 Resp: 495709

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

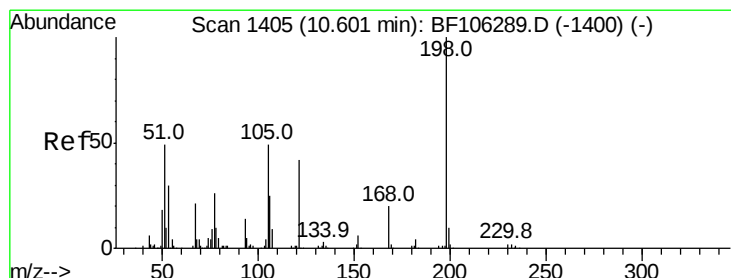
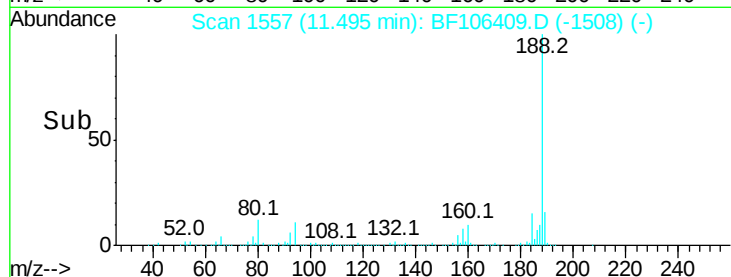
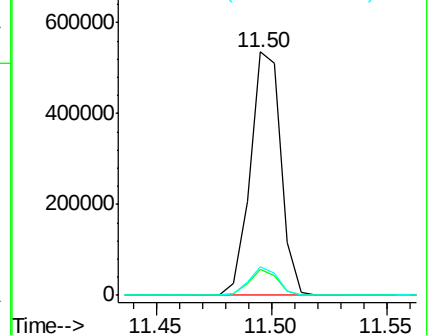
80 11.9 9.2 13.8



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: 6.561 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

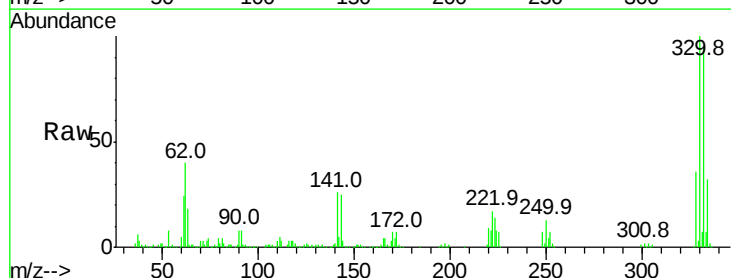
Tgt Ion:198 Resp: 818

Ion Ratio Lower Upper

198 100

51 150.7 37.7 77.7#

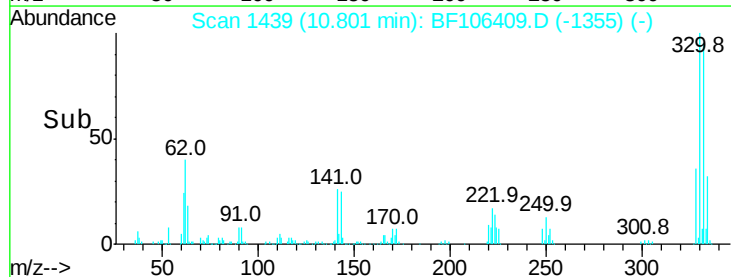
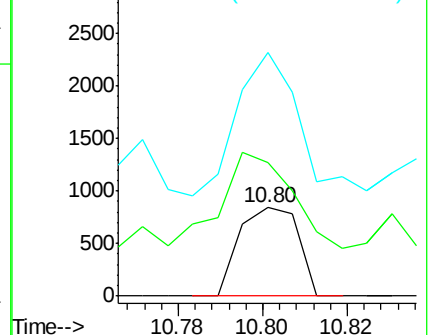
105 274.6 36.3 76.3#

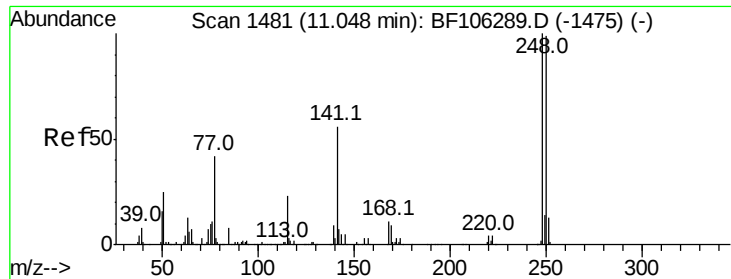


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

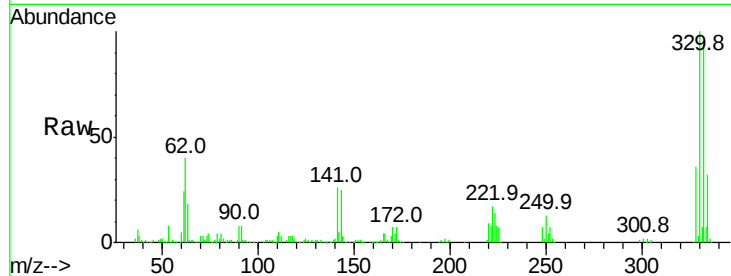




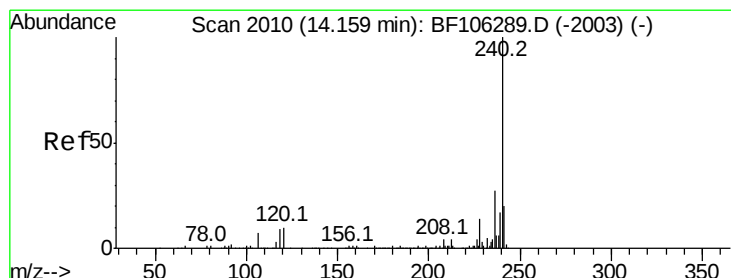
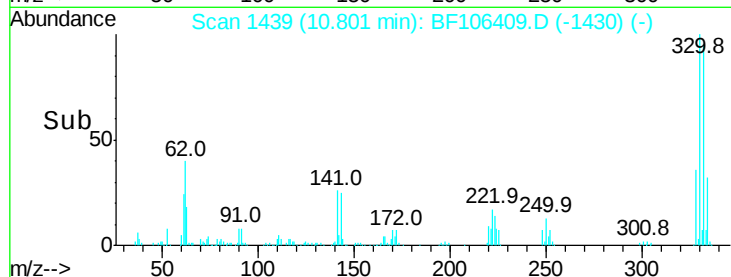
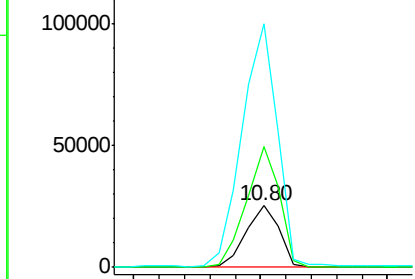
#66
4-Bromophenyl-phenylether
Concen: 4.119 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF106409.D
Acq: 13 Jun 2018 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 23222
Ion Ratio Lower Upper
248 100
250 194.9 76.9 115.3#
141 394.1 74.4 111.6#

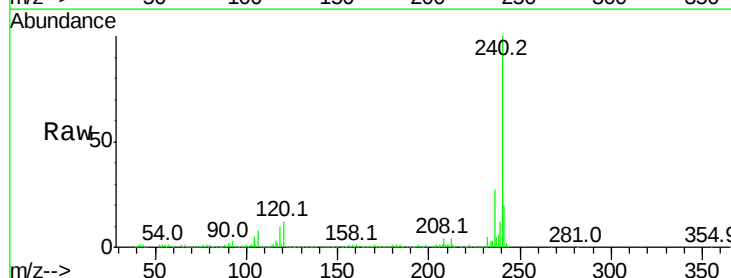


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

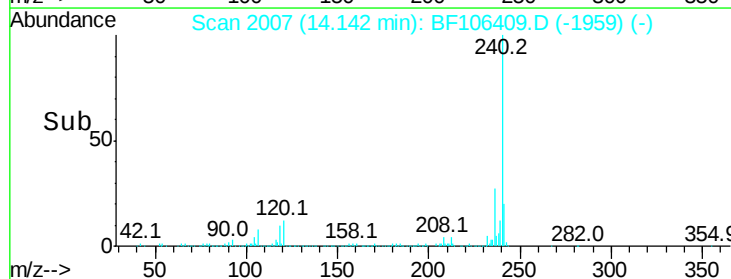
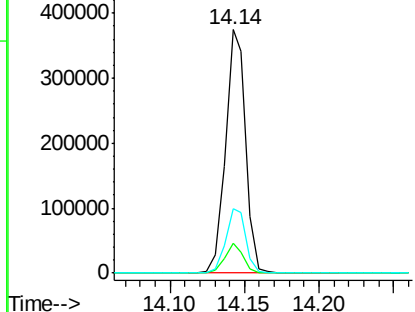


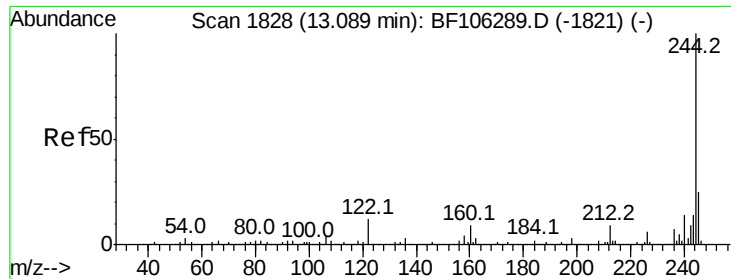
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF106409.D
Acq: 13 Jun 2018 23:25

Tgt Ion:240 Resp: 357861
Ion Ratio Lower Upper
240 100
120 12.2 9.5 14.3
236 26.5 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: 89.079 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

Instrument :

BNA_F

ClientSampleId :

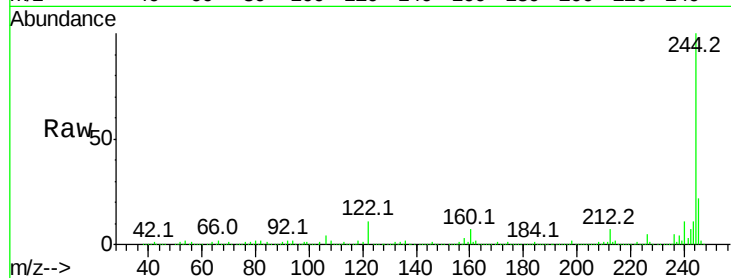
Tot Ion:244 Resp: 1283442

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

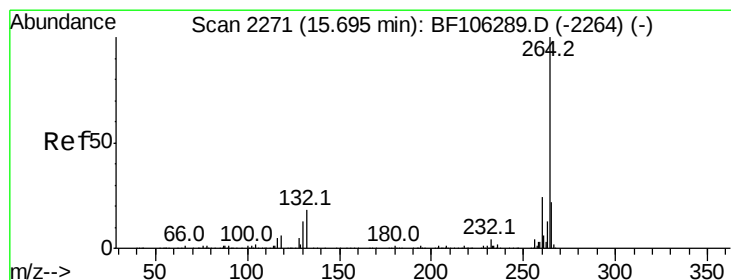
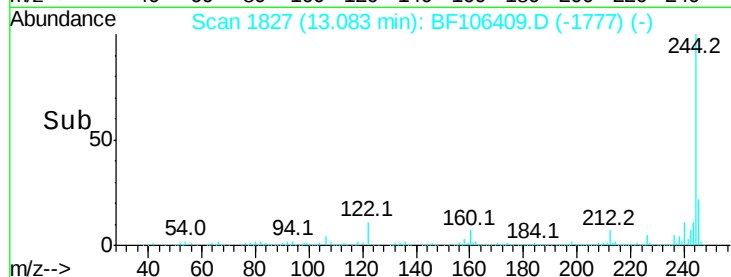
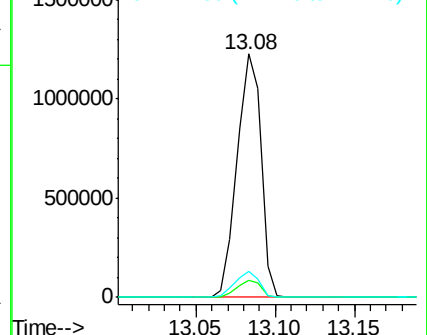
122 10.6 11.0 16.4#



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: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF106409.D

Acq: 13 Jun 2018 23:25

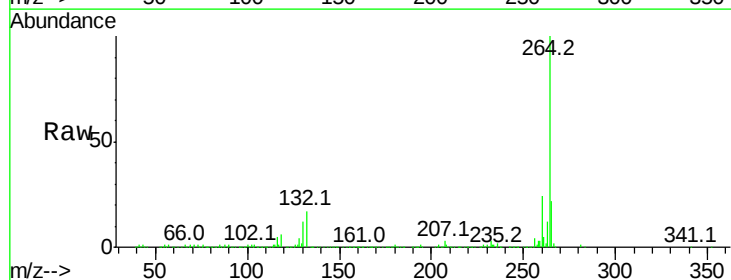
Tgt Ion:264 Resp: 366831

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.7 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

