

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106378.D
 Acq On : 13 Jun 2018 7:32
 Operator : JU/SJ
 Sample : J3398-06
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

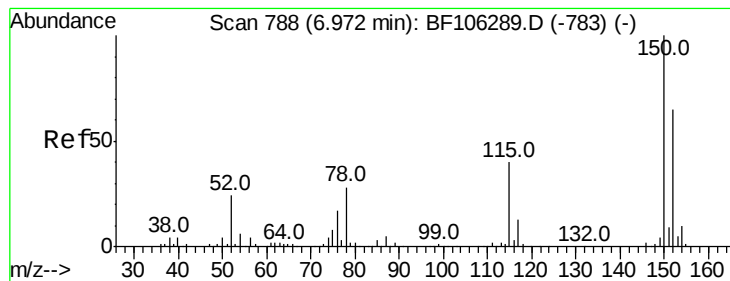
Quant Time: Jun 13 08:08:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	162735	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	546231	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	223477	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	440015	20.00	ng	0.00
75) Chrysene-d12	14.15	240	426954	20.00	ng	0.00
86) Perylene-d12	15.69	264	294810	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	522635	54.36	ng	0.04
7) Phenol-d6	6.64	99	404971	33.34	ng	0.05
23) Nitrobenzene-d5	7.54	82	742825	80.00	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	289931	134.84	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	1179990	98.48	ng	0.00
78) Terphenyl-d14	13.10	244	1397797	81.32	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.50	117	105267	23.923	ng	# 1
22) Acetophenone	7.36	105	42013	3.052	ng	# 60
24) Nitrobenzene	7.54	77	39491	3.913	ng	# 16
25) Isophorone	7.54	82	742825	40.959	ng	# 65
32) Benzoic acid	8.00	122	512	7.366	ng	# 1
37) 2-Methylnaphthalene	9.07	142	406356	24.162	ng	# 88
49) Dimethylphthalate	9.72	163	79399	4.973	ng	# 74
53) 2,4-Dinitrophenol	10.05	184	2856	10.316	ng	# 1
55) 4-Nitrophenol	10.14	139	6900	2.326	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.64	198	2447	7.191	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	17616	3.520	ng	# 1

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

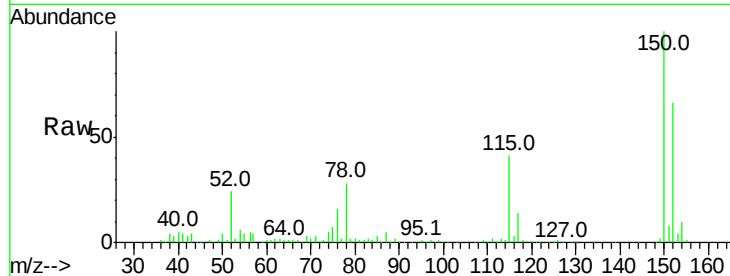


#1

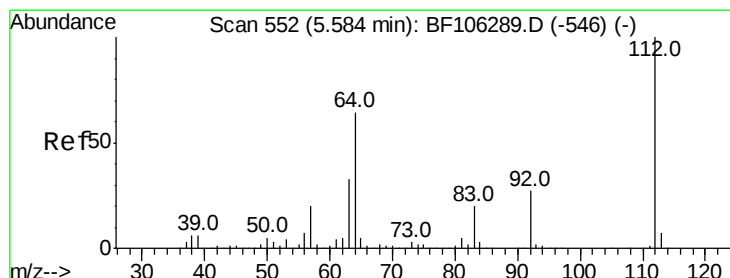
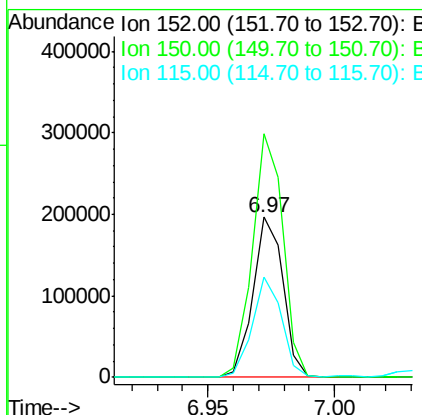
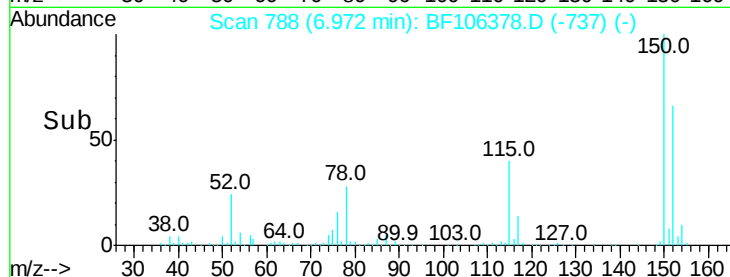
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.6	186.8
115	62.7	50.1	75.1



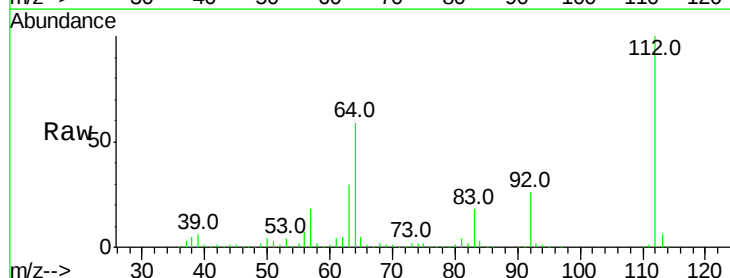
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



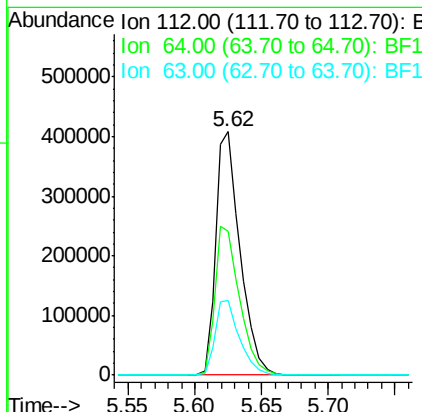
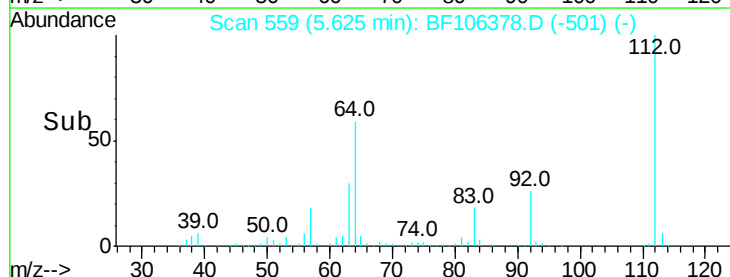
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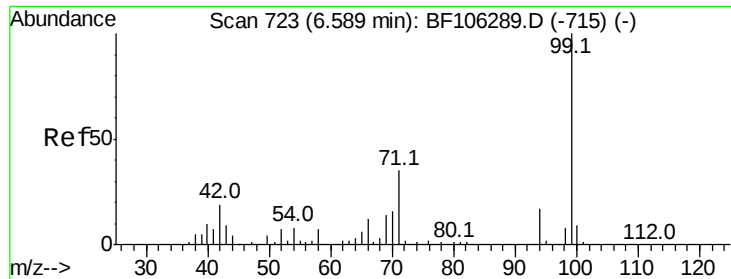
2-Fluorophenol
Concen: 54.356 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	30.4	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: 33.337 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.05 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

Instrument :

BNA_F

ClientSampleId :

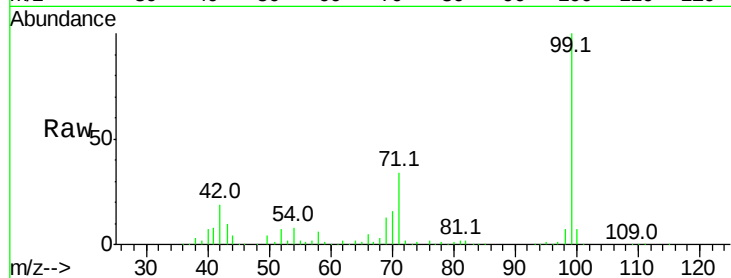
Tot Ion: 99 Resp: 404971

Ion Ratio Lower Upper

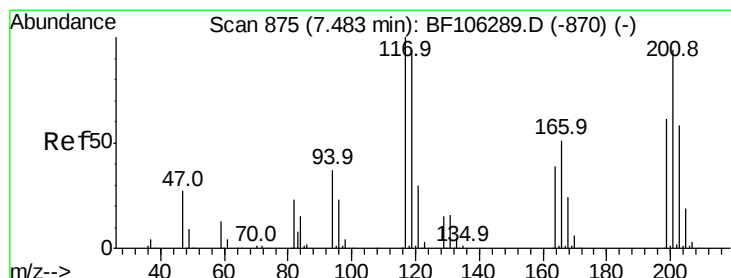
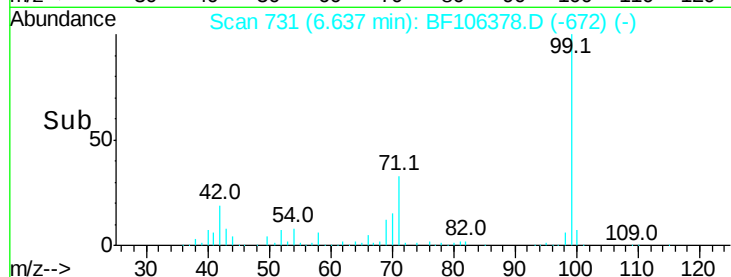
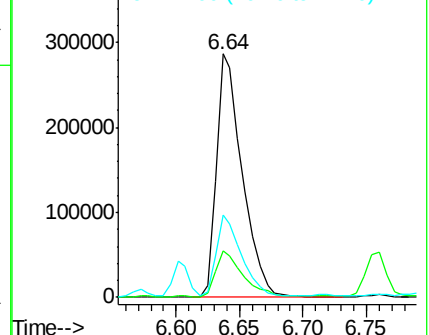
99 100

42 19.0 14.5 21.7

71 33.8 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



#18

Hexachloroethane

Concen: 23.923 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.02 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

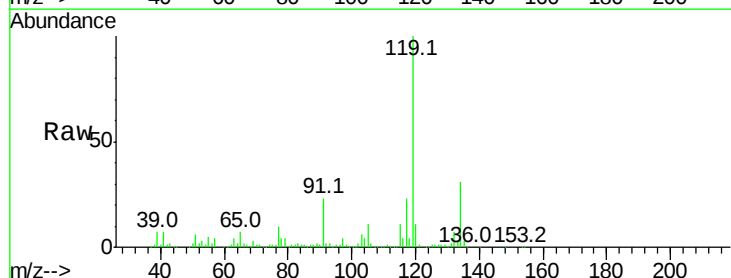
Tgt Ion: 117 Resp: 105267

Ion Ratio Lower Upper

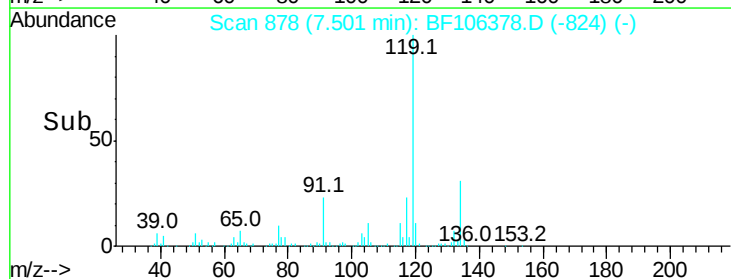
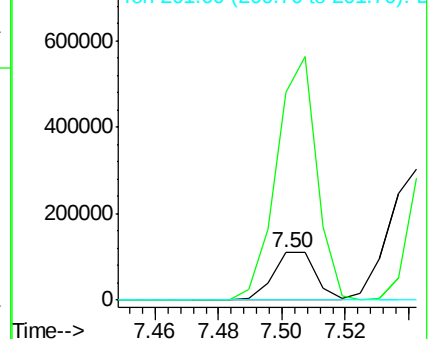
117 100

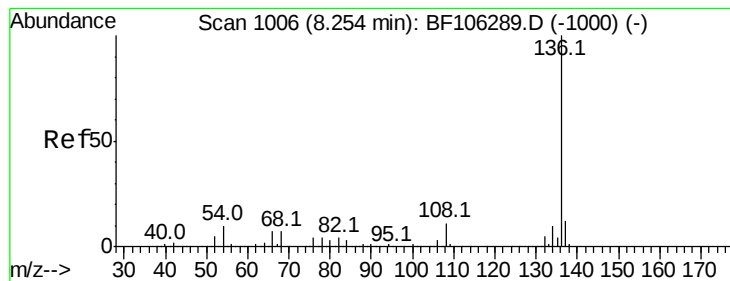
119 436.5 75.8 113.8#

201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

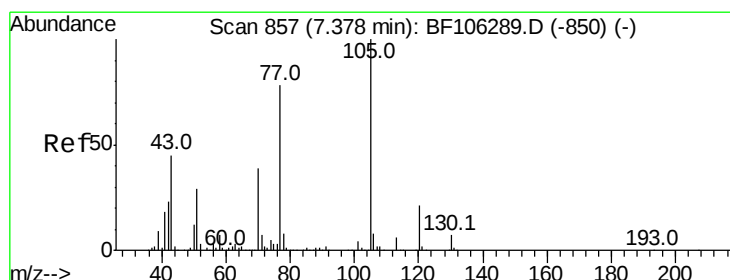
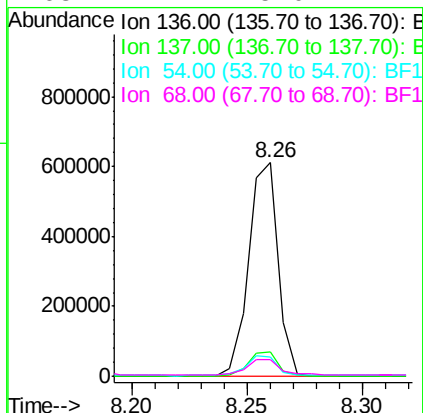
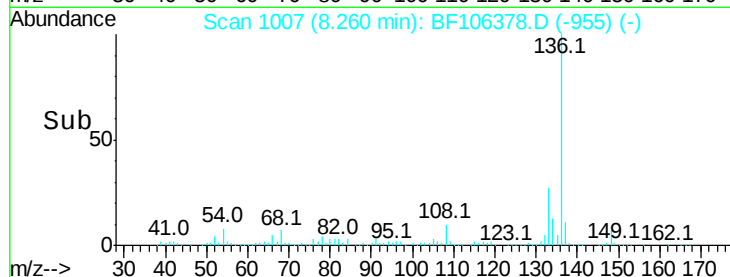
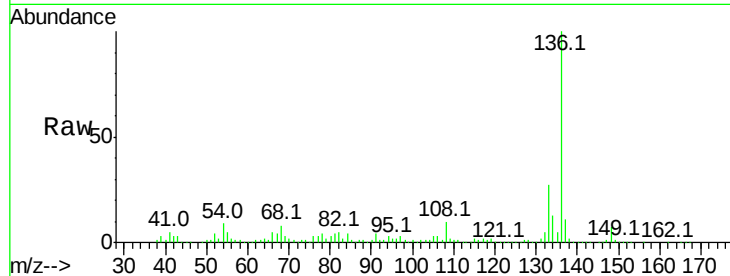




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

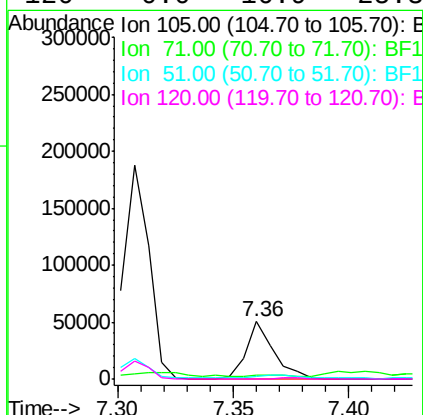
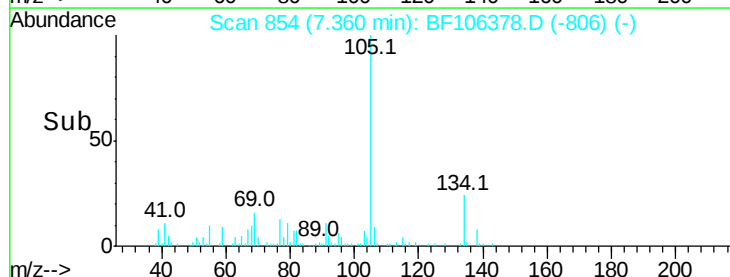
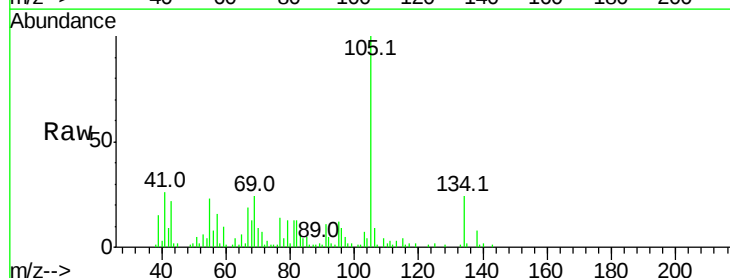
Instrument :
BNA_F
ClientSampleId :

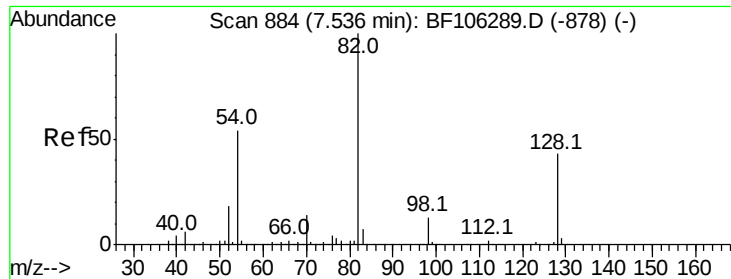
Tot Ion:136	Resp:	546231
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.9	13.3
54 8.8	6.6	9.8
68 7.7	5.0	7.4#



#22
Acetophenone
Concen: 3.052 ng
RT: 7.36 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

Tgt Ion:105	Resp:	42013
Ion Ratio	Lower	Upper
105 100		
71 7.0	4.4	6.6#
51 5.5	22.3	33.5#
120 0.0	16.9	25.3#

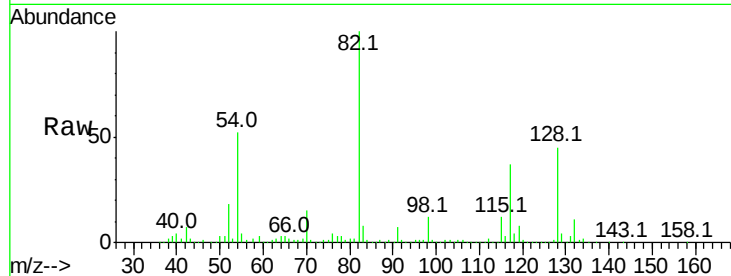




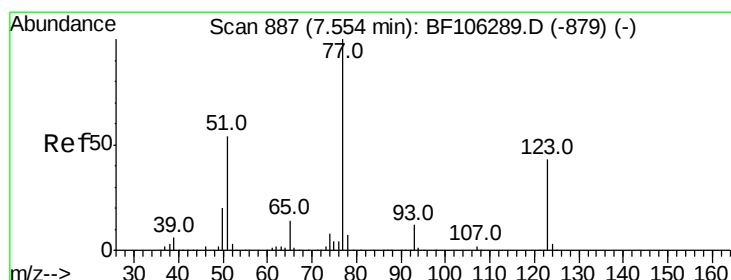
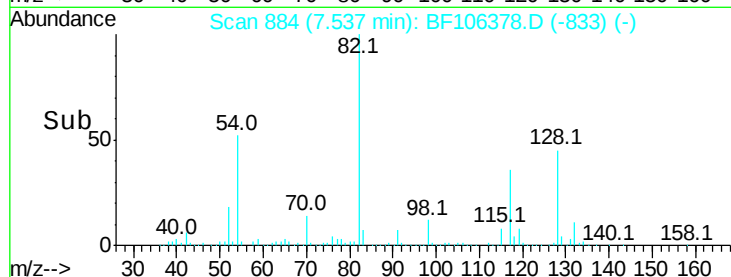
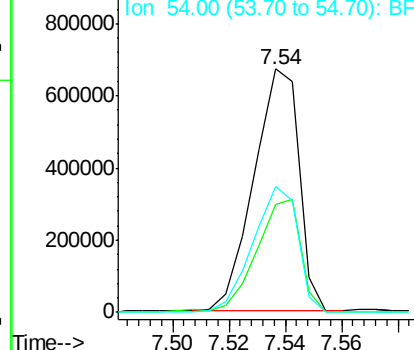
#23
Nitrobenzene-d5
Concen: 80.001 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 742825
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 51.5 41.4 62.2

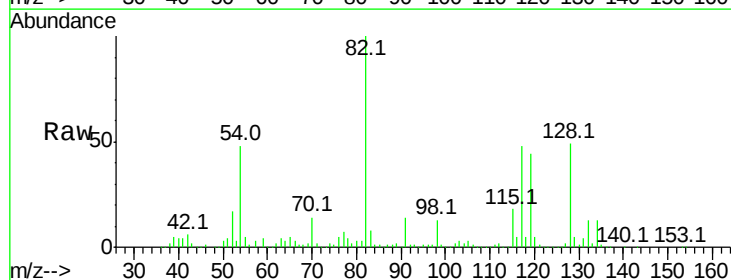


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

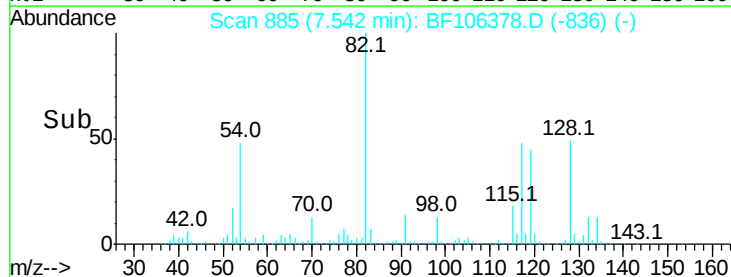
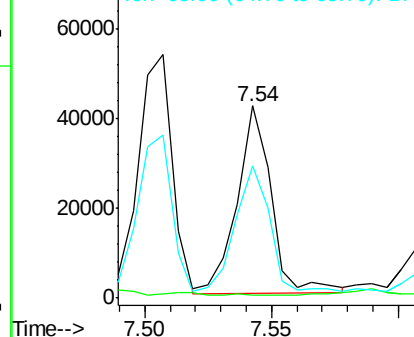


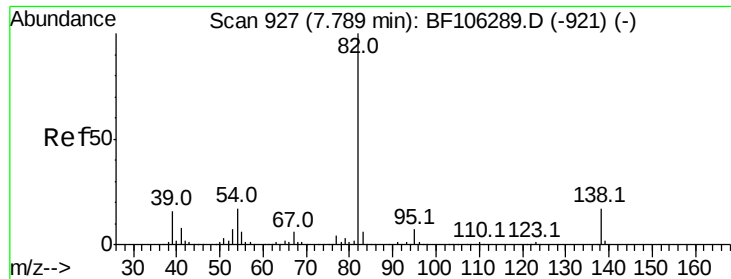
#24
Nitrobenzene
Concen: 3.913 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

Tgt Ion: 77 Resp: 39491
Ion Ratio Lower Upper
77 100
123 1.4 37.9 56.9#
65 68.7 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.959 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.25 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

Instrument :

BNA_F

ClientSampled :

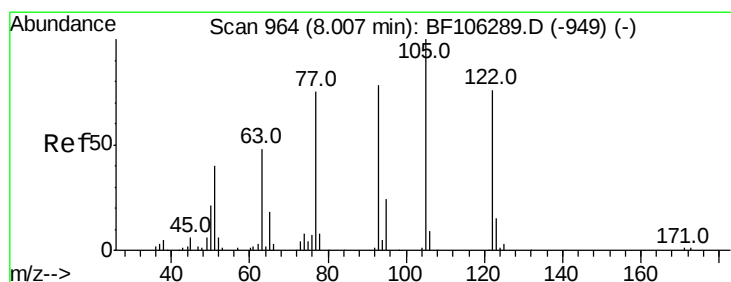
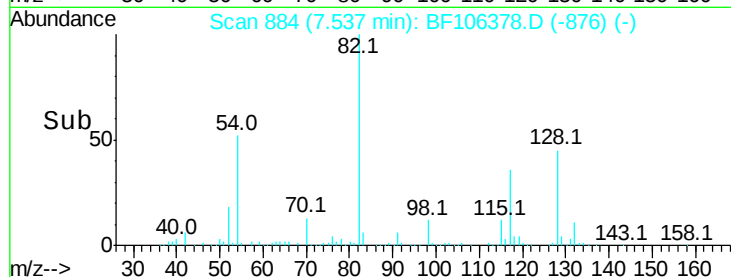
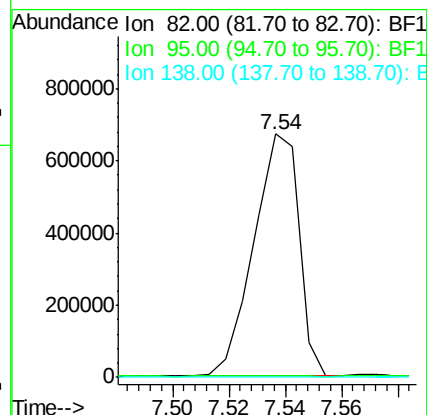
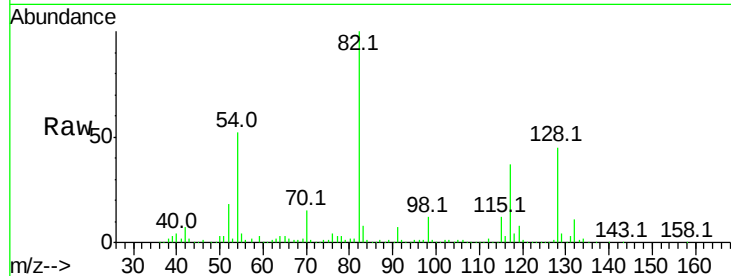
Tot Ion: 82 Resp: 742825

Ion Ratio Lower Upper

82 100

95 0.7 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.366 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

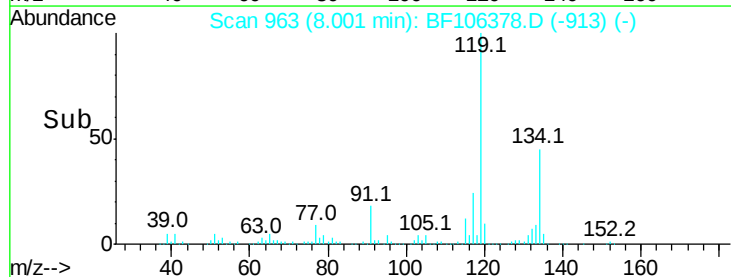
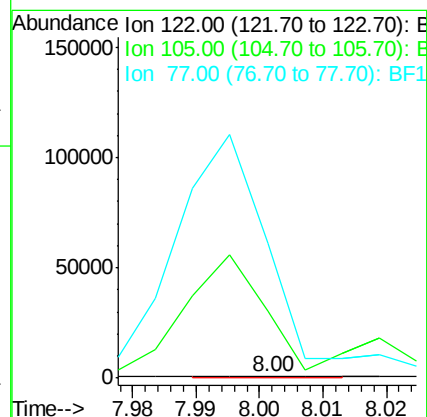
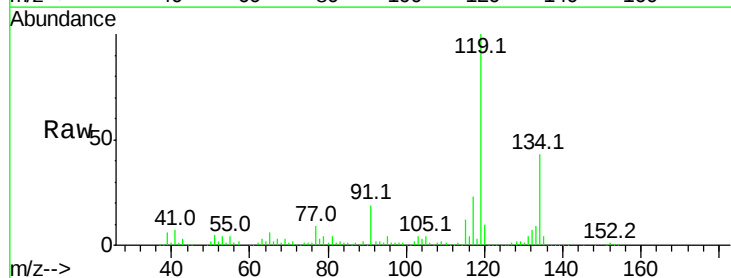
Tgt Ion:122 Resp: 512

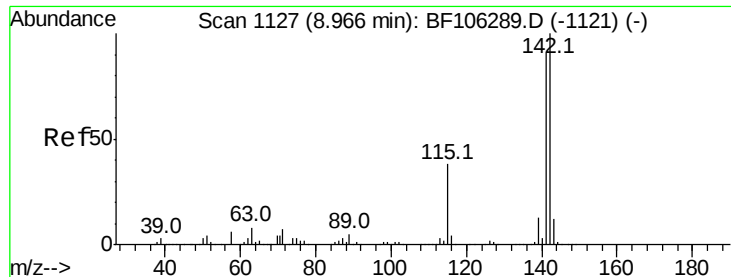
Ion Ratio Lower Upper

122 100

105 4343.0 101.1 141.1#

77 8768.9 70.7 110.7#

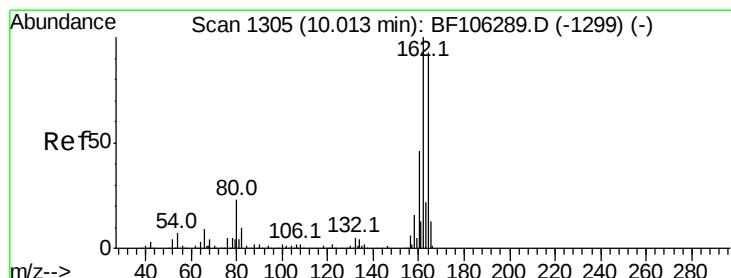
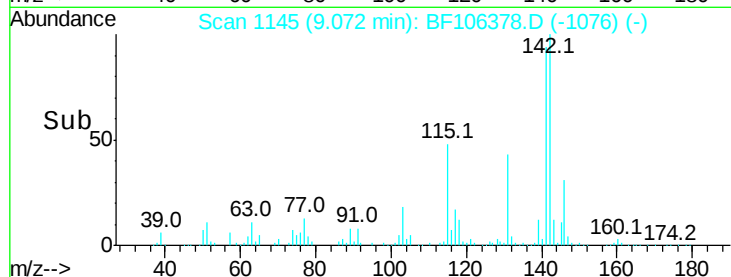
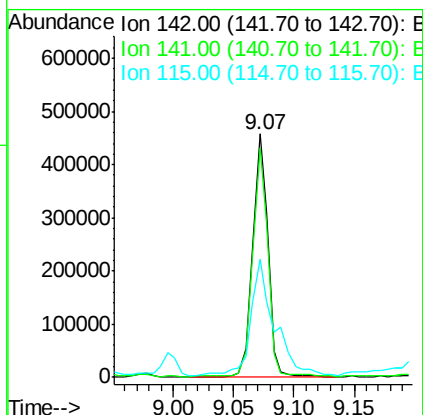
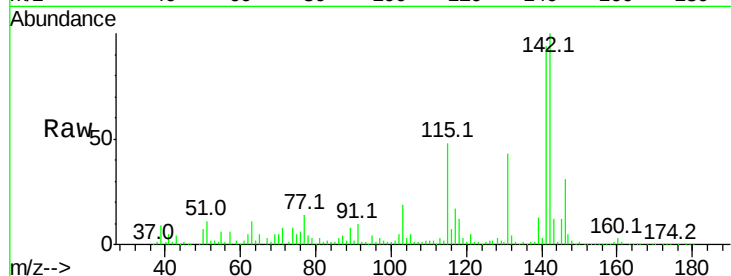




#37
 2-Methylnaphthalene
 Concen: 24.162 ng
 RT: 9.07 min Scan# 1145
 Delta R.T. 0.11 min
 Lab File: BF106378.D
 Acq: 13 Jun 2018 7:32

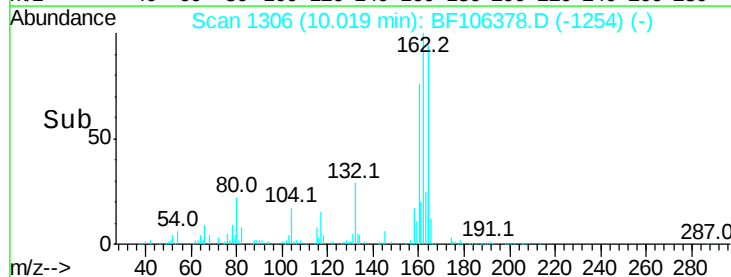
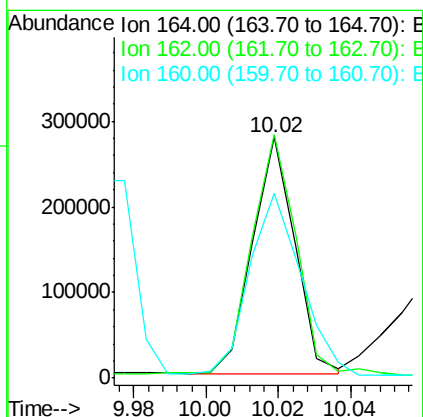
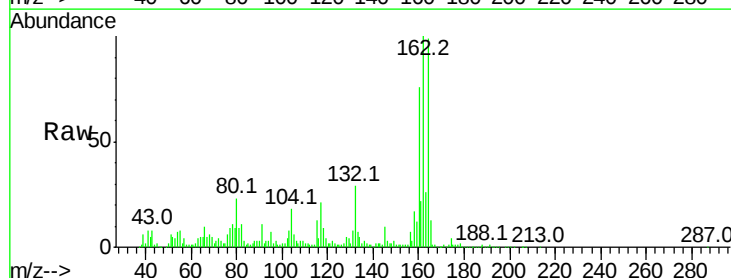
Instrument :
 BNA_F
 ClientSampleId :

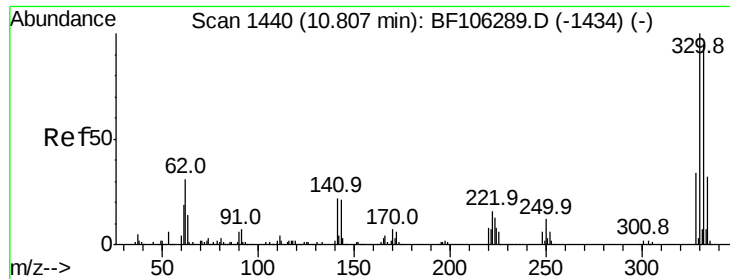
Tot Ion	Ratio	Lower	Upper
142	100		
141	94.1	70.8	106.2
115	48.4	26.1	39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BF106378.D
 Acq: 13 Jun 2018 7:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	76.5	38.3	57.5#

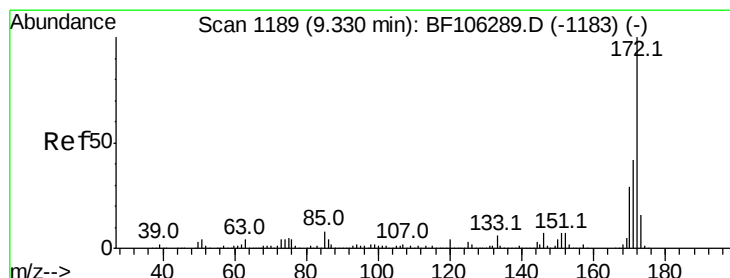
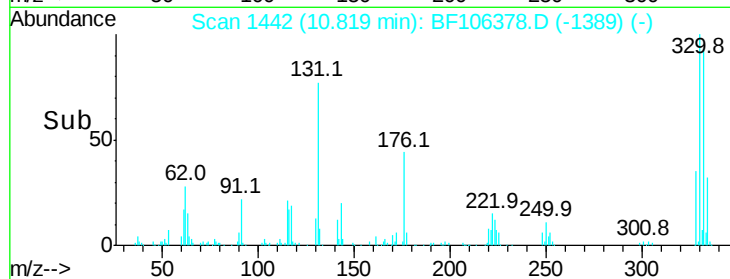
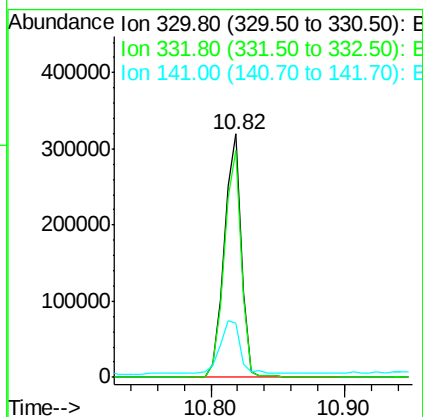
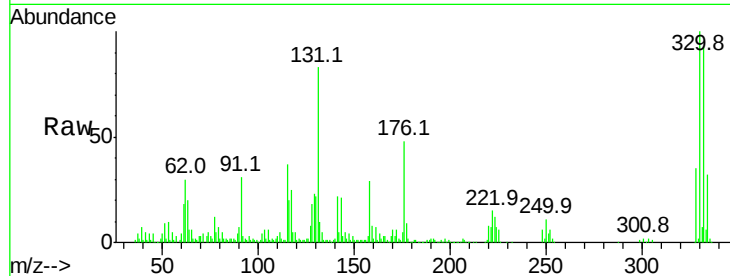




#41
 2,4,6-Tribromophenol
 Concen: 134.837 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF106378.D
 Acq: 13 Jun 2018 7:32

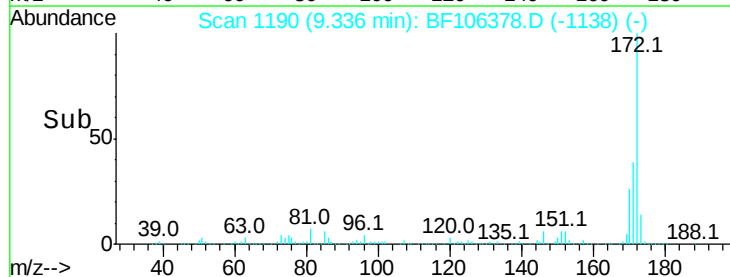
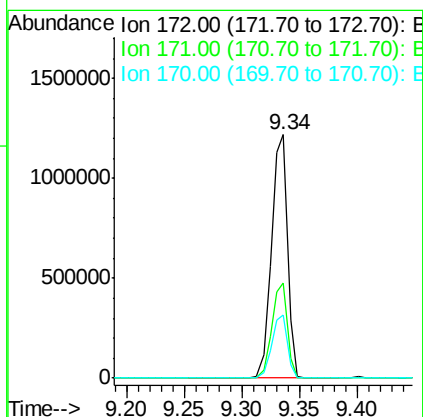
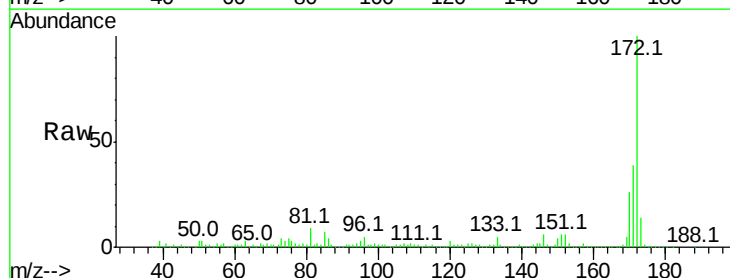
Instrument :
 BNA_F
 ClientSampleId :

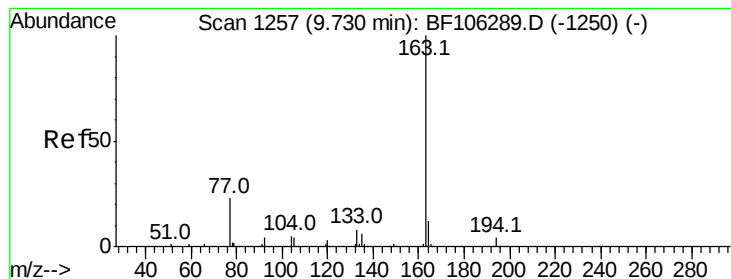
Tot Ion:330 Resp: 289931
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.0 115.6
 141 25.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 98.482 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: BF106378.D
 Acq: 13 Jun 2018 7:32

Tgt Ion:172 Resp: 1179990
 Ion Ratio Lower Upper
 172 100
 171 38.9 29.7 44.5
 170 26.0 19.6 29.4





#49

Dimethylphthalate

Concen: 4.973 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

Instrument :

BNA_F

ClientSampleId :

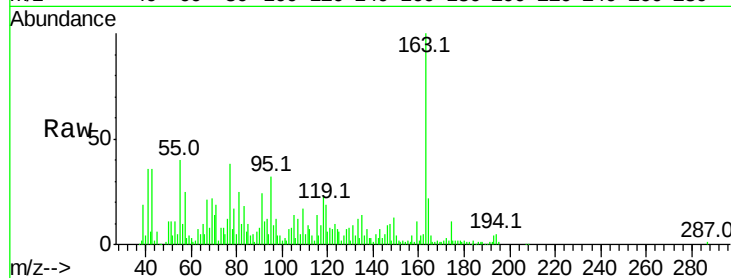
Tot Ion:163 Resp: 79399

Ion Ratio Lower Upper

163 100

194 4.7 2.7 4.1#

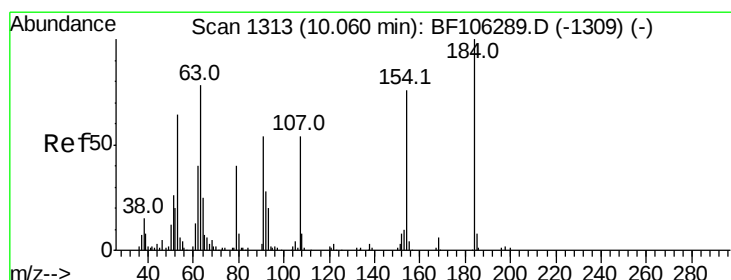
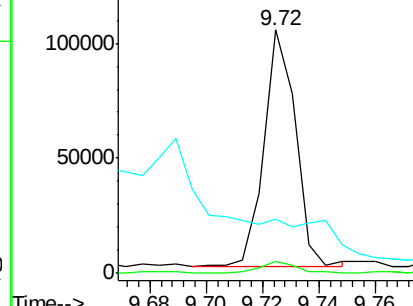
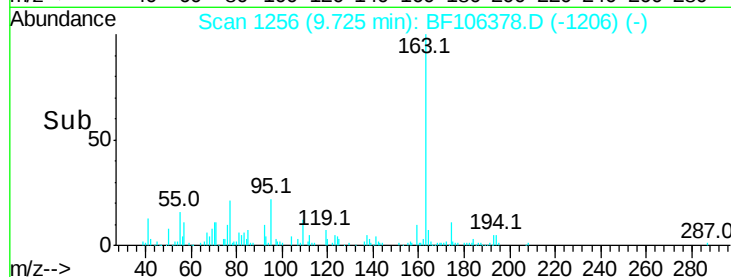
164 22.4 8.2 12.2#



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



#53

2,4-Dinitrophenol

Concen: 10.316 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

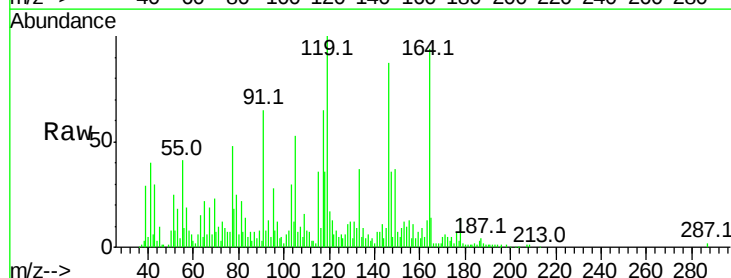
Tgt Ion:184 Resp: 2856

Ion Ratio Lower Upper

184 100

63 943.0 54.2 81.2#

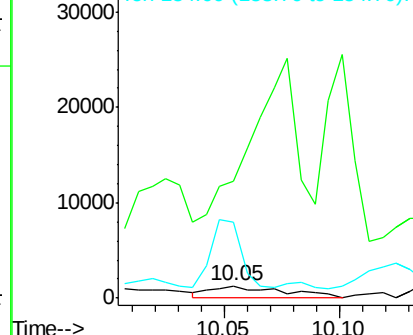
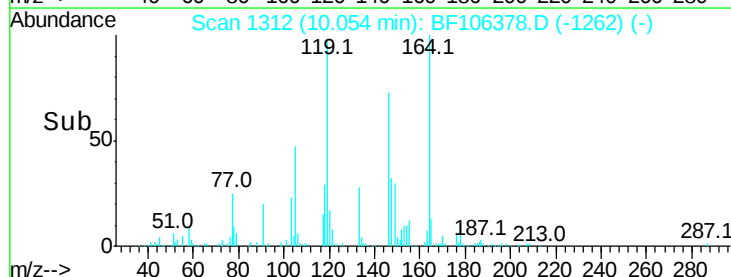
154 608.1 184.0 276.0#

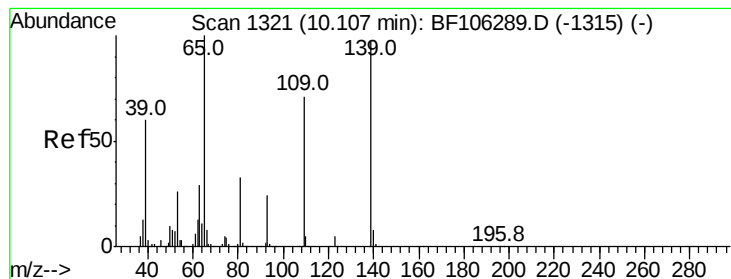


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 2.326 ng

RT: 10.14 min Scan# 1326

Delta R.T. 0.03 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

Instrument :

BNA_F

ClientSampleId :

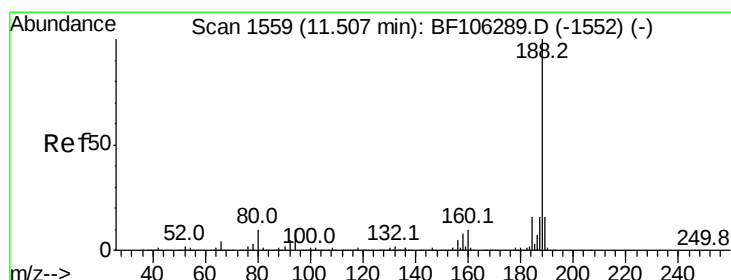
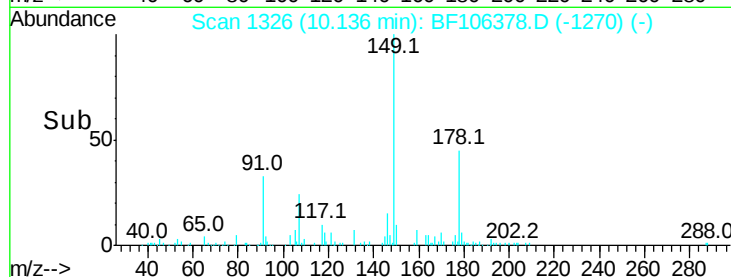
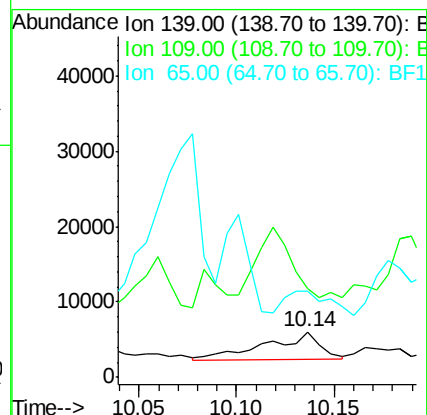
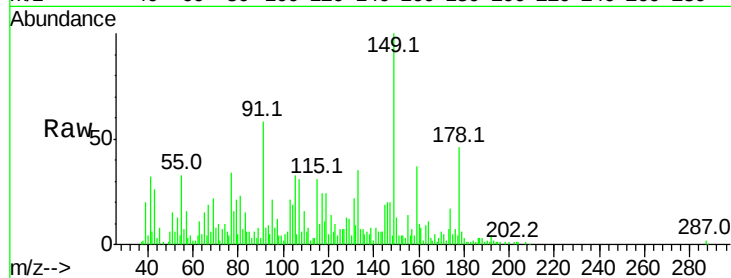
Tot Ion:139 Resp: 6900

Ion Ratio Lower Upper

139 100

109 195.0 48.4 88.4#

65 189.2 72.6 112.6#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1560

Delta R.T. 0.01 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

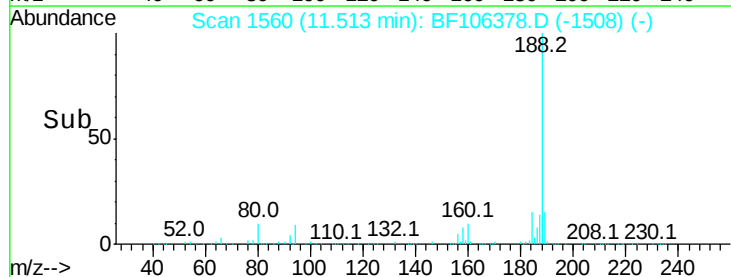
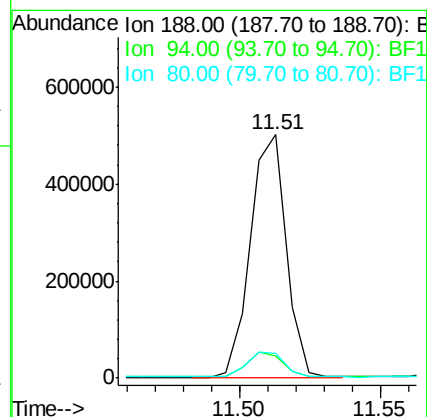
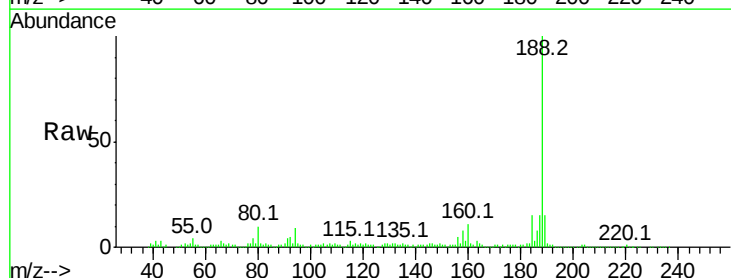
Tgt Ion:188 Resp: 440015

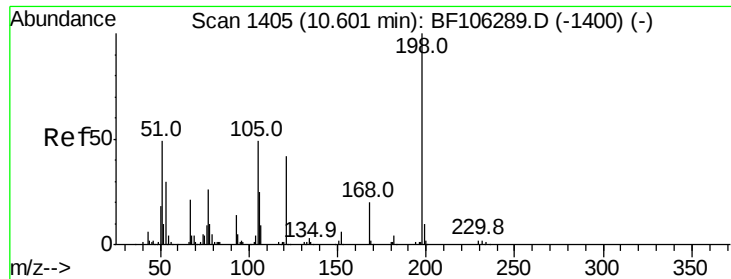
Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

80 10.1 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.191 ng

RT: 10.64 min Scan# 1411

Delta R.T. 0.04 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

Instrument :

BNA_F

ClientSampleId :

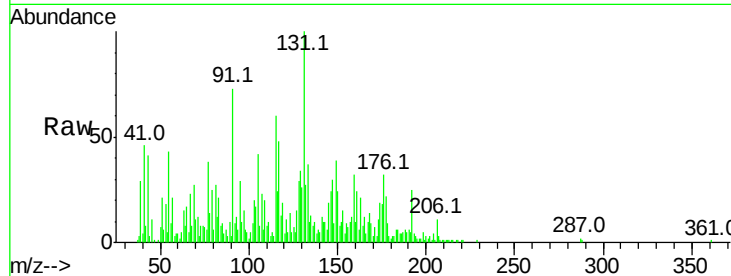
Tot Ion:198 Resp: 2447

Ion Ratio Lower Upper

198 100

51 435.0 37.7 77.7#

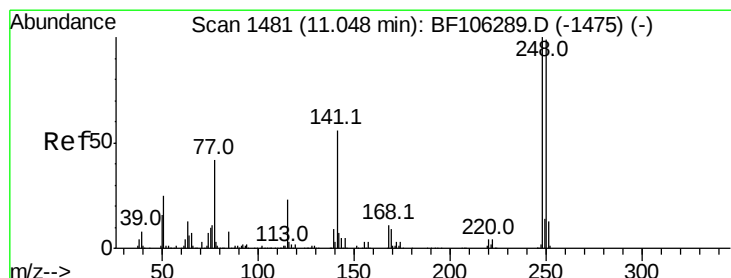
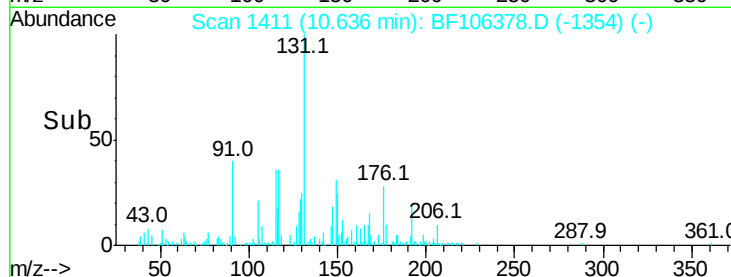
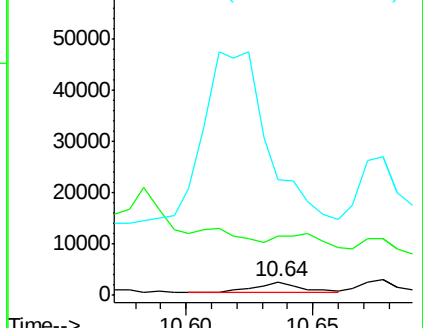
105 861.0 36.3 76.3#



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: 3.520 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.23 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

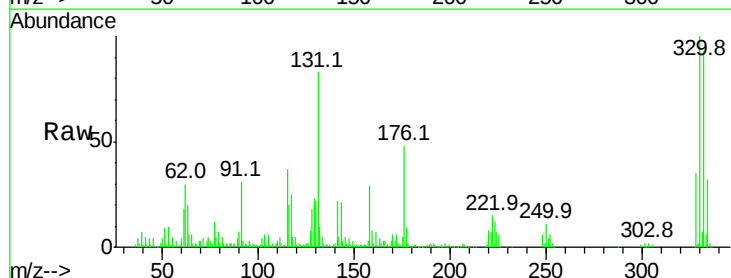
Tgt Ion:248 Resp: 17616

Ion Ratio Lower Upper

248 100

250 206.2 76.9 115.3#

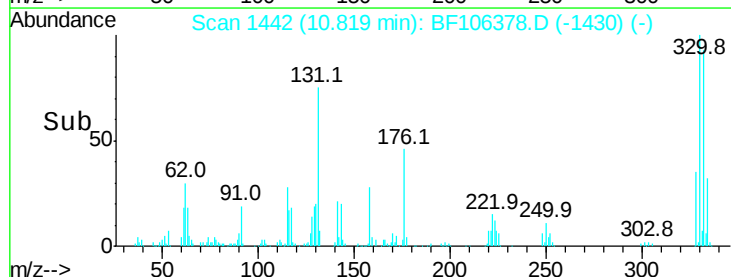
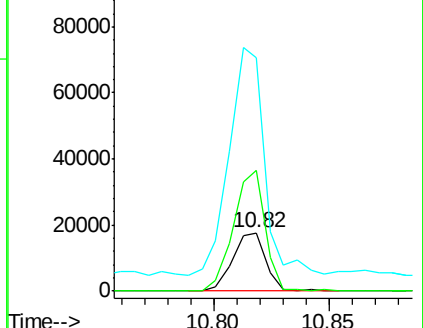
141 400.8 74.4 111.6#

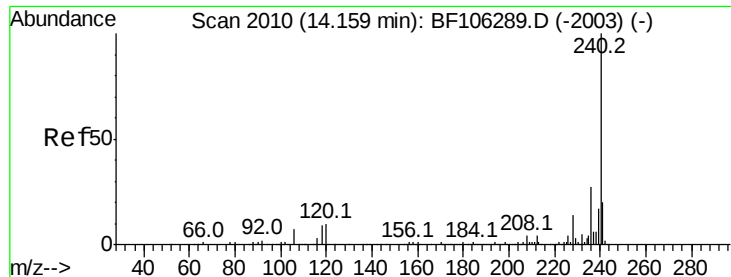


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

Instrument :

BNA_F

ClientSampleId :

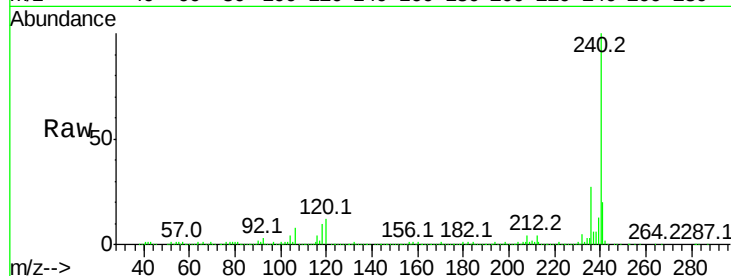
Tot Ion:240 Resp: 426954

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

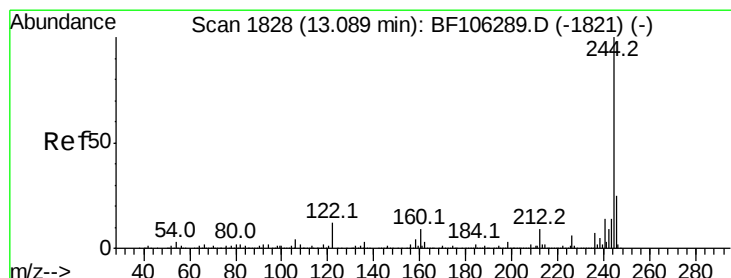
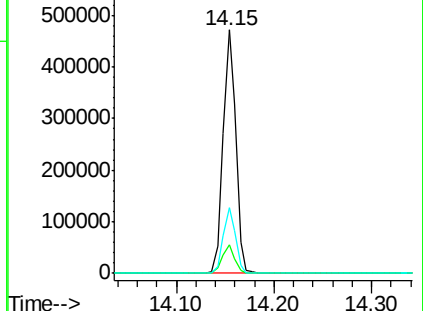
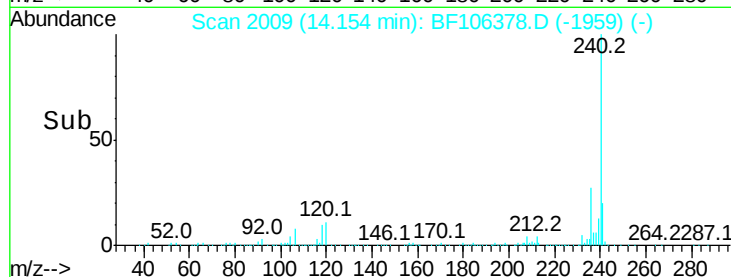
236 27.2 20.7 31.1



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: 81.316 ng

RT: 13.10 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106378.D

Acq: 13 Jun 2018 7:32

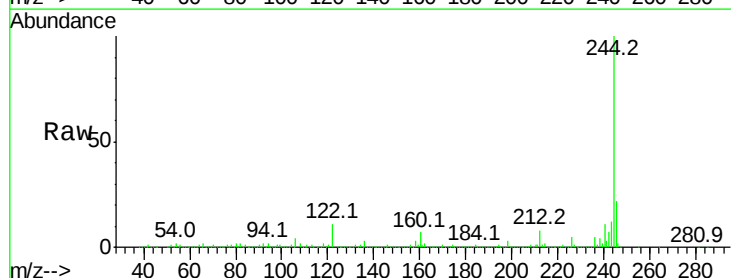
Tgt Ion:244 Resp: 1397797

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

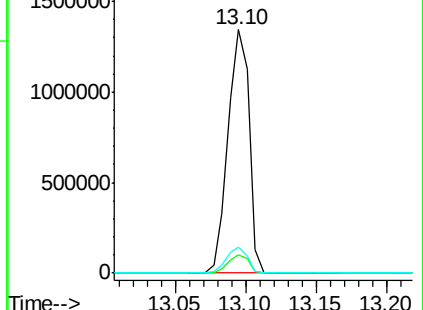
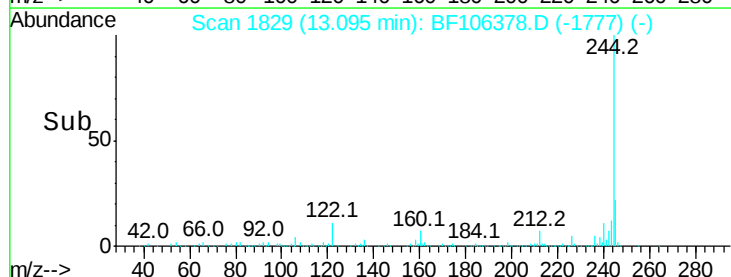
122 10.9 11.0 16.4#

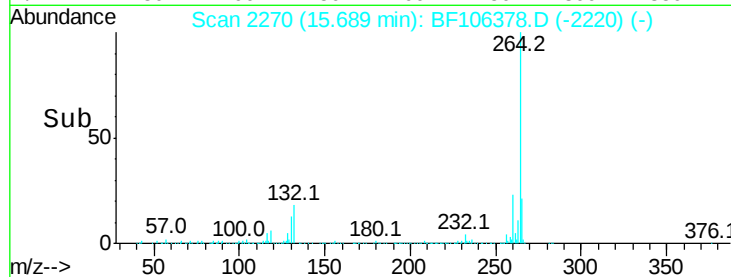
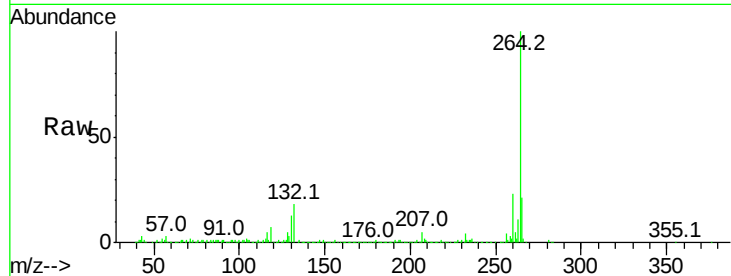
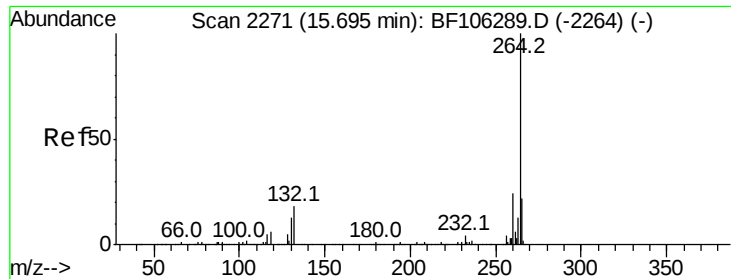


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106378.D
Acq: 13 Jun 2018 7:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.0	17.5	26.3

