

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106421.D
 Acq On : 14 Jun 2018 5:16
 Operator : JU/SJ
 Sample : J3398-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 06:51:09 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

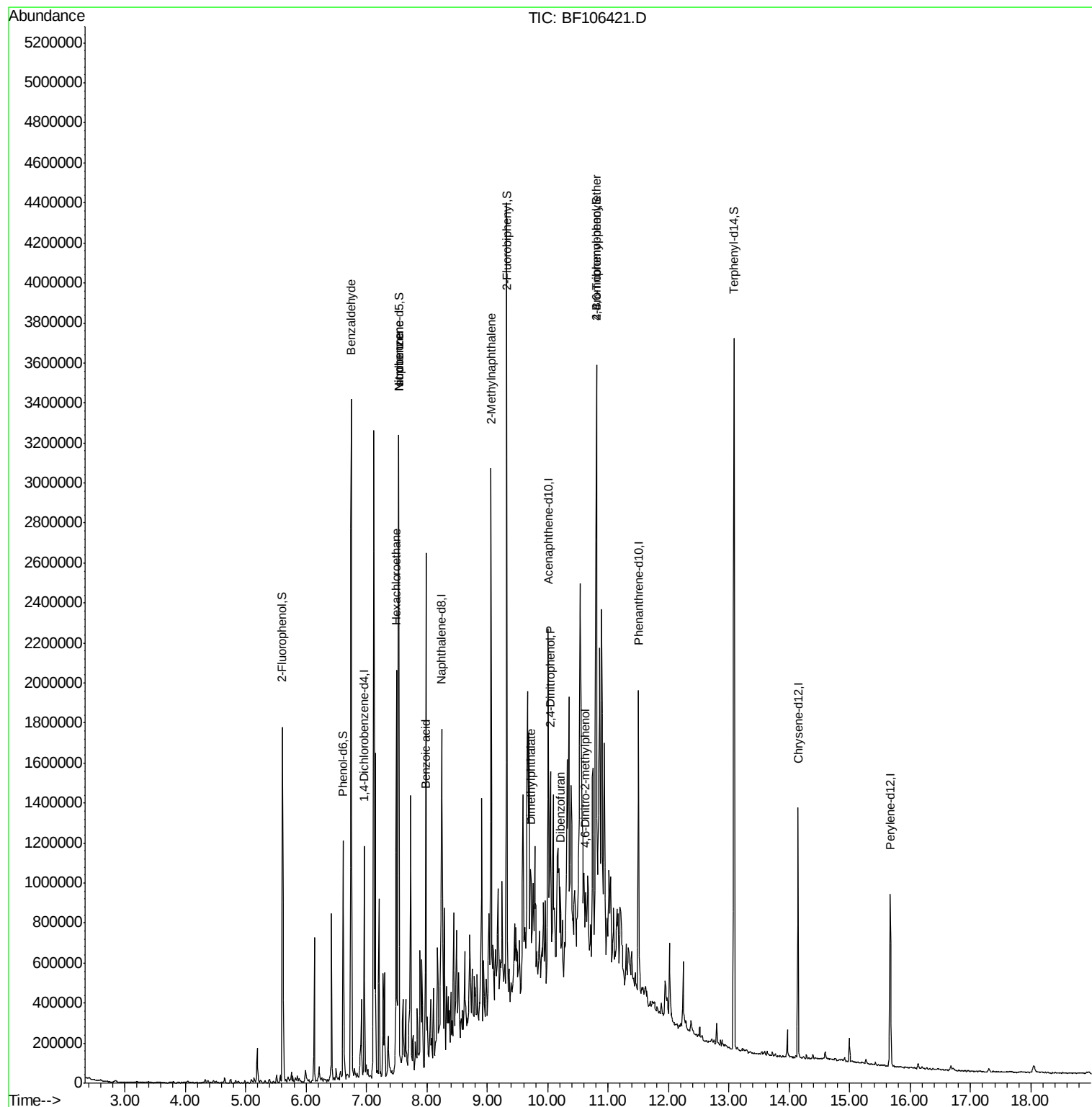
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	148922	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	555277	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	271967	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	510435	20.00	ng	0.00
75) Chrysene-d12	14.14	240	414679	20.00	ng	-0.02
86) Perylene-d12	15.67	264	393799	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	577786	65.67	ng	-0.02
7) Phenol-d6	6.61	99	484735	43.60	ng	-0.01
23) Nitrobenzene-d5	7.53	82	844981	89.52	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	395159	151.01	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1427818	97.62	ng	0.00
78) Terphenyl-d14	13.09	244	1433035	85.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	23666	2.807	ng	83
18) Hexachloroethane	7.50	117	183560	45.584	ng	# 1
24) Nitrobenzene	7.54	77	29119	2.838	ng	# 12
25) Isophorone	7.53	82	844989	45.833	ng	# 64
32) Benzoic acid	8.00	122	1292	7.479	ng	# 1
37) 2-Methylnaphthalene	9.07	142	655336	38.331	ng	# 92
49) Dimethylphthalate	9.71	163	49159	2.530	ng	# 69
53) 2,4-Dinitrophenol	10.05	184	1365	9.282	ng	# 1
54) Dibenzofuran	10.21	168	49053	2.186	ng	# 89
64) 4,6-Dinitro-2-methylphenol	10.62	198	1592	6.797	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	24601	4.237	ng	# 1

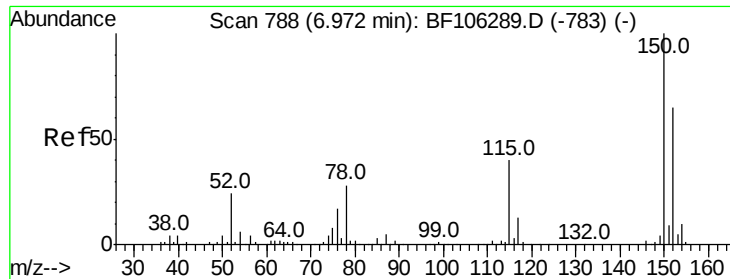
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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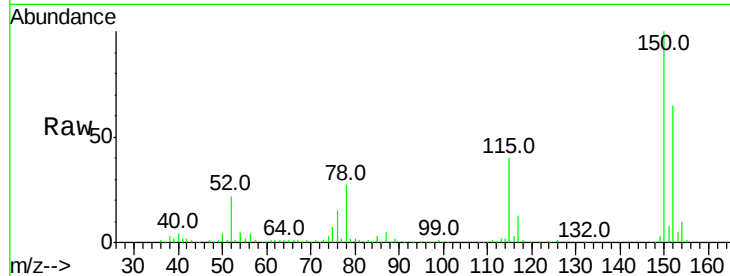


#1

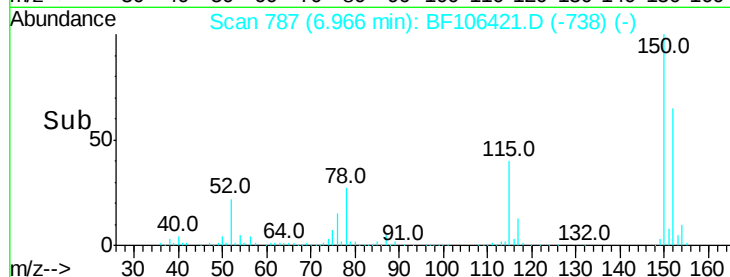
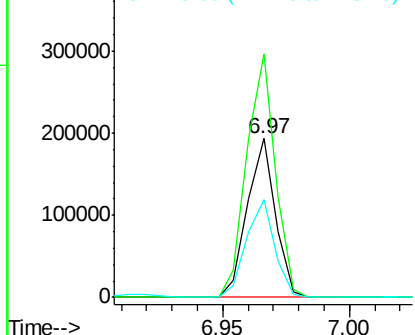
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	61.7	50.1	75.1



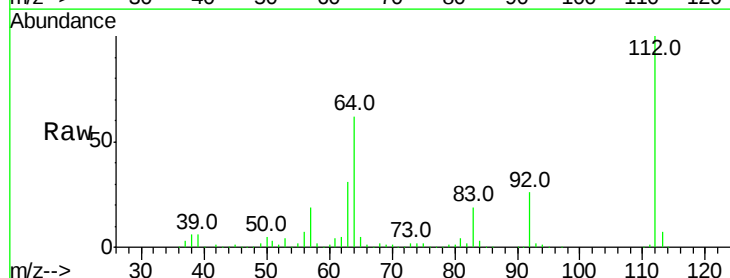
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



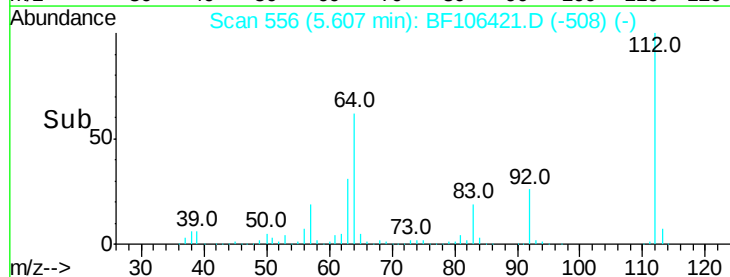
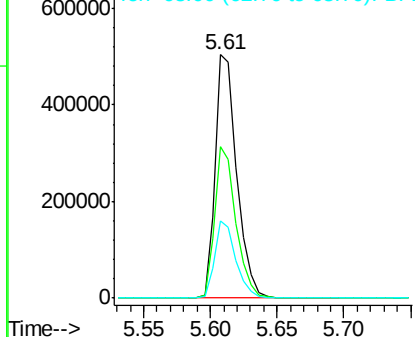
#5

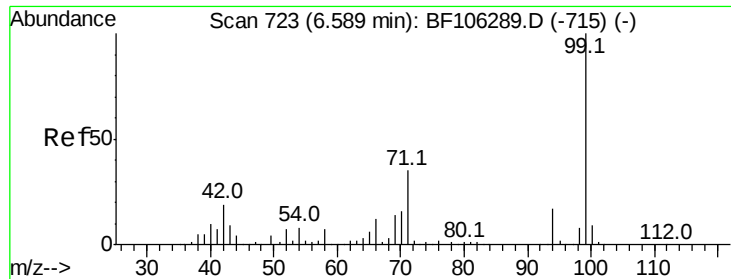
2-Fluorophenol
Concen: 65.665 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.02 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.9	71.9
63	31.5	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: 43.604 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampled :

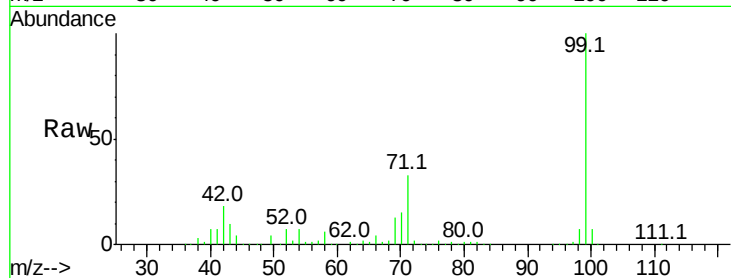
Tot Ion: 99 Resp: 484735

Ion Ratio Lower Upper

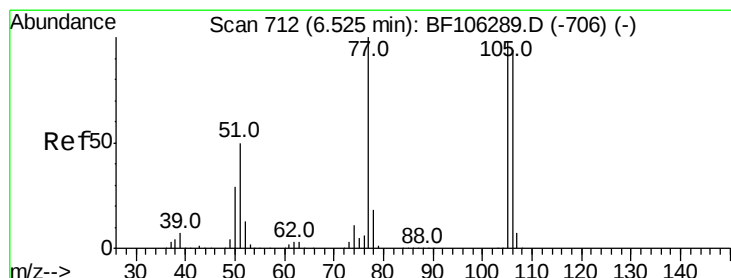
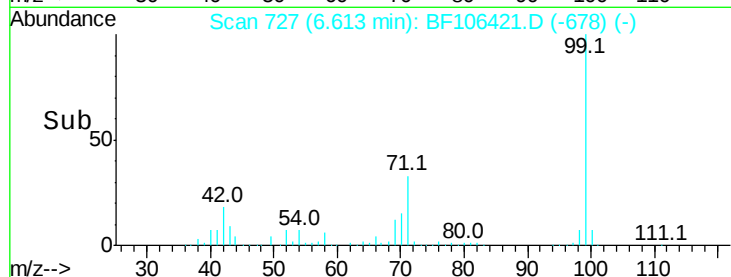
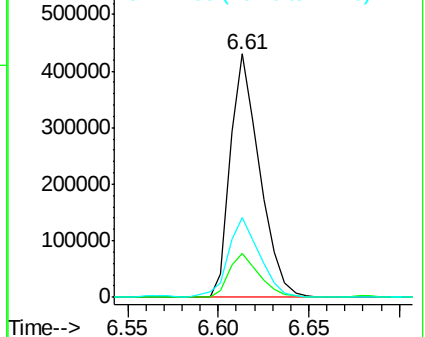
99 100

42 17.9 14.5 21.7

71 33.0 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: 2.807 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

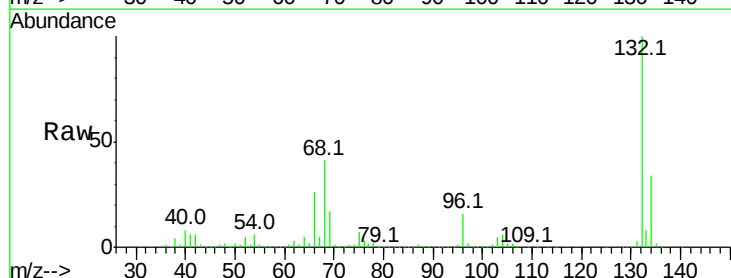
Tgt Ion: 77 Resp: 23666

Ion Ratio Lower Upper

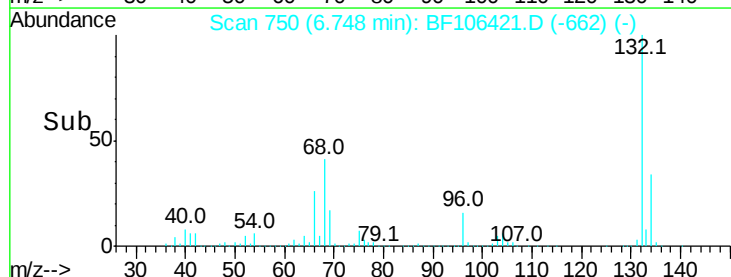
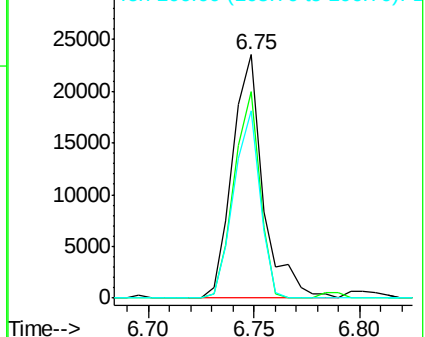
77 100

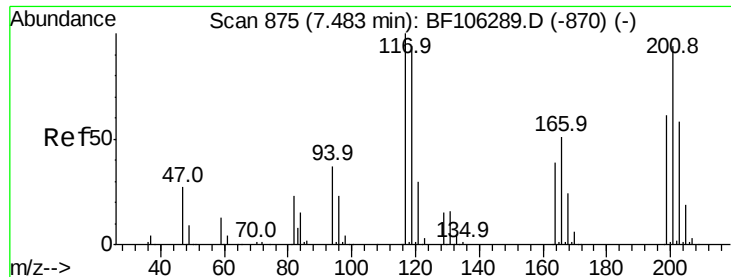
105 85.0 81.1 121.1

106 77.1 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

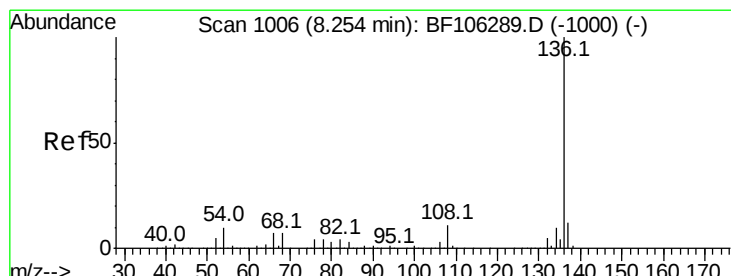
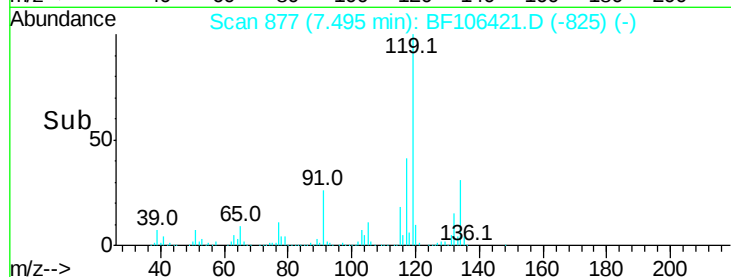
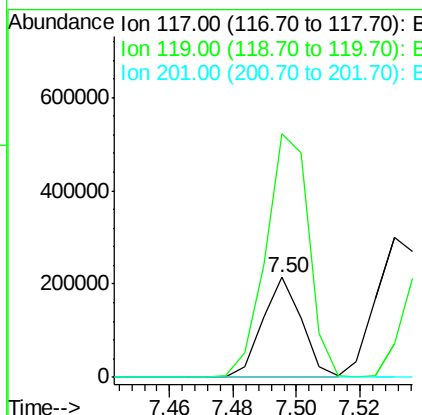
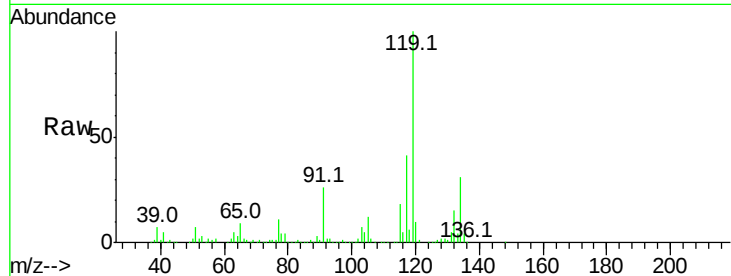




#18
Hexachloroethane
Concen: 45.584 ng
RT: 7.50 min Scan# 877
Delta R.T. 0.01 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

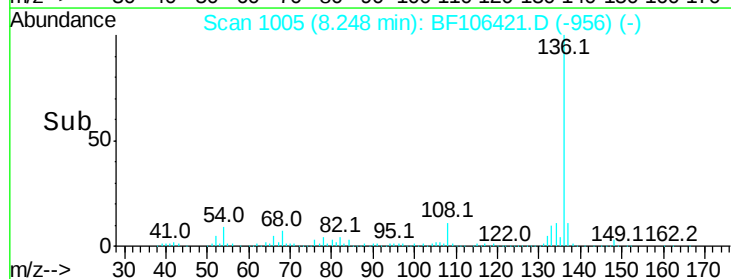
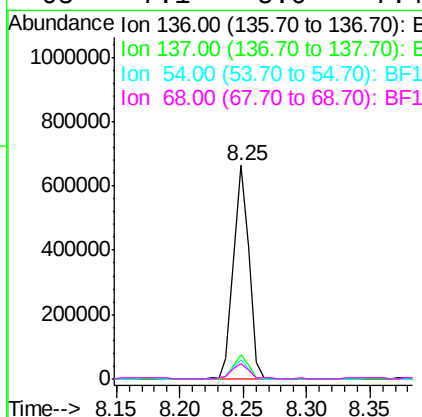
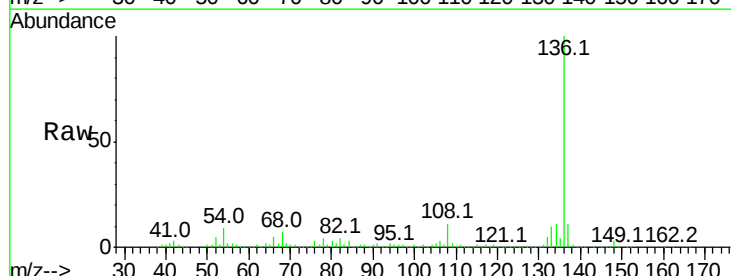
Instrument :
BNA_F
ClientSampleId :

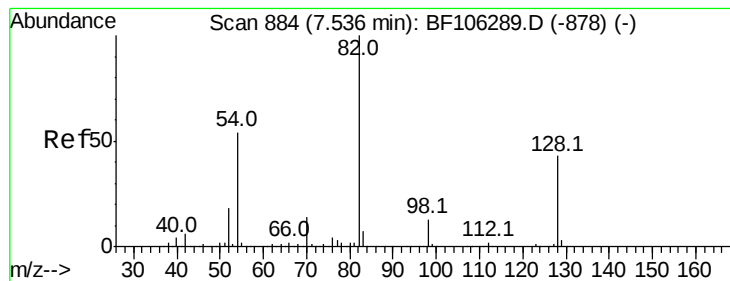
Tot Ion:117 Resp: 183560
Ion Ratio Lower Upper
117 100
119 244.1 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

Tgt Ion:136 Resp: 555277
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.2 6.6 9.8
68 7.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 89.521 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampled :

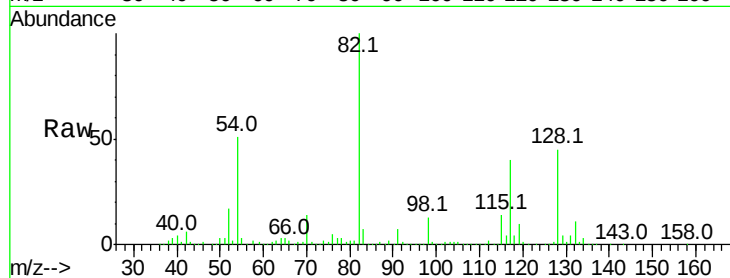
Tot Ion: 82 Resp: 844981

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

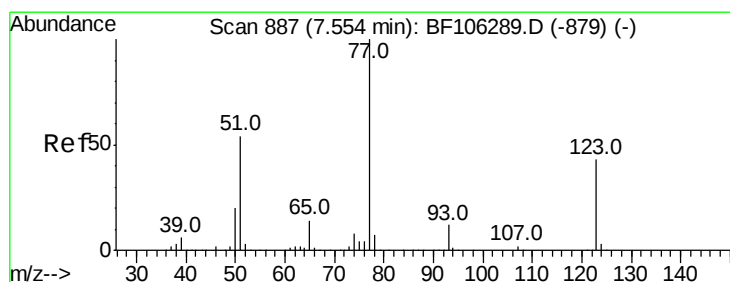
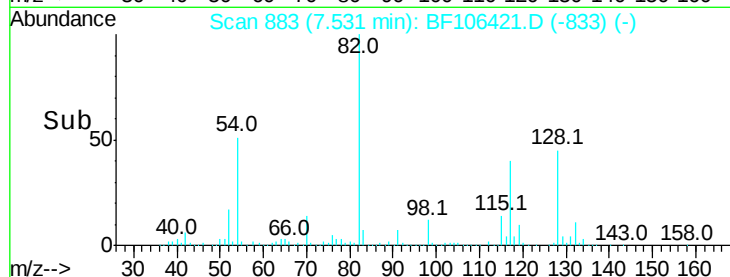
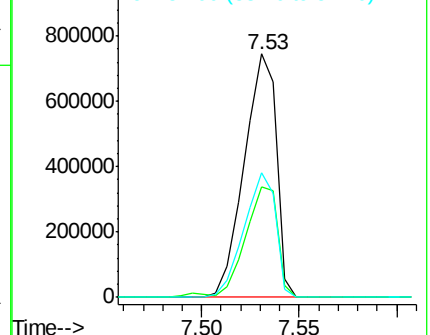
54 51.0 41.4 62.2



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: 2.838 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

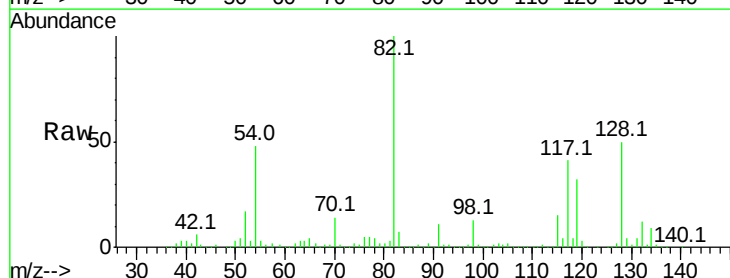
Tgt Ion: 77 Resp: 29119

Ion Ratio Lower Upper

77 100

123 1.3 37.9 56.9#

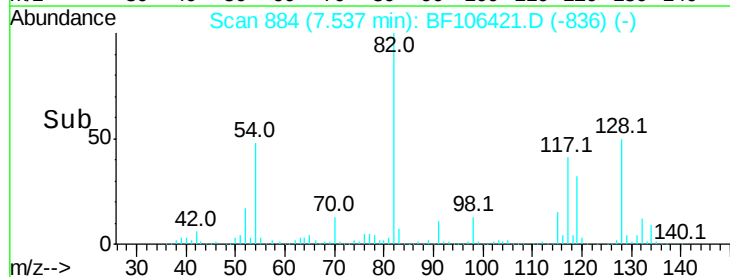
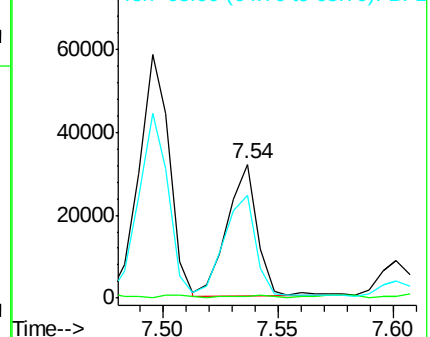
65 77.0 11.0 16.4#

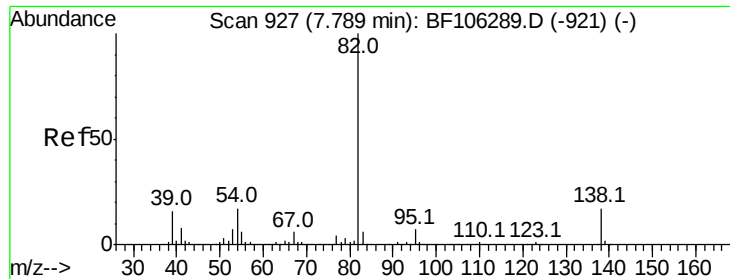


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 45.833 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampleId :

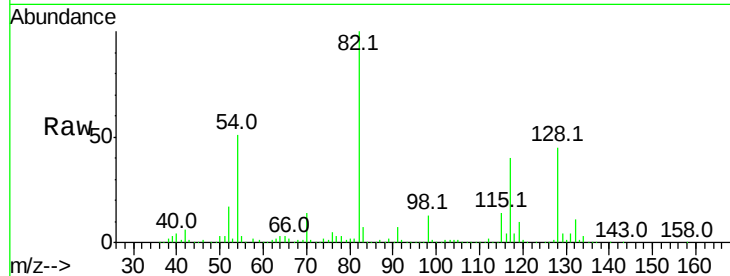
Tot Ion: 82 Resp: 844989

Ion Ratio Lower Upper

82 100

95 0.3 5.2 7.8#

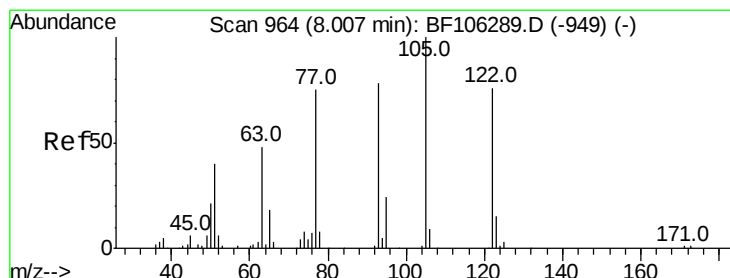
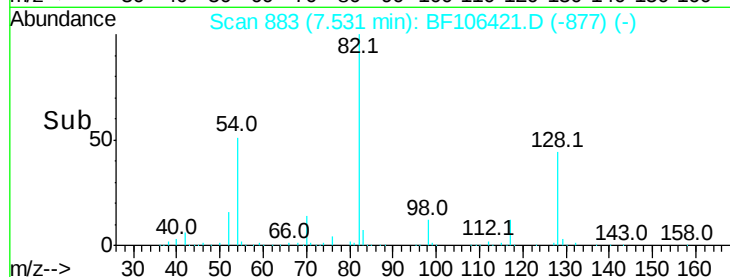
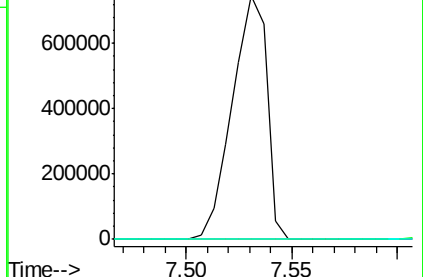
138 0.0 14.9 22.3#



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: 7.479 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

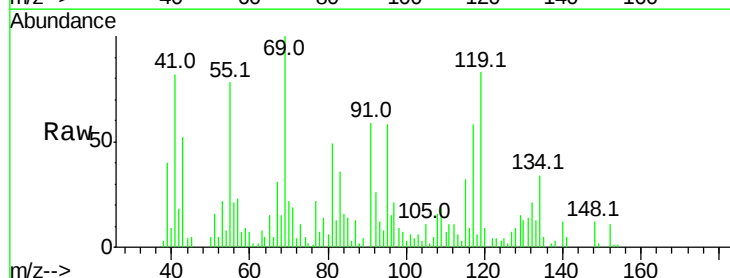
Tgt Ion:122 Resp: 1292

Ion Ratio Lower Upper

122 100

105 257.5 101.1 141.1#

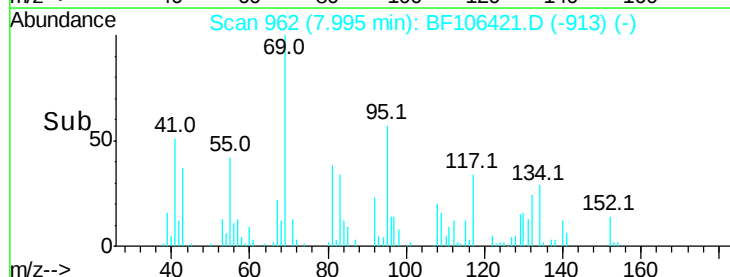
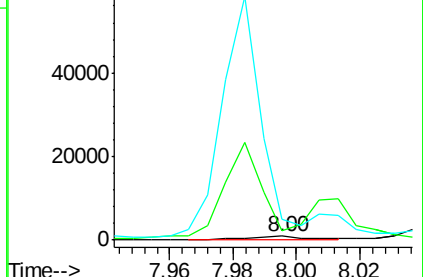
77 537.6 70.7 110.7#

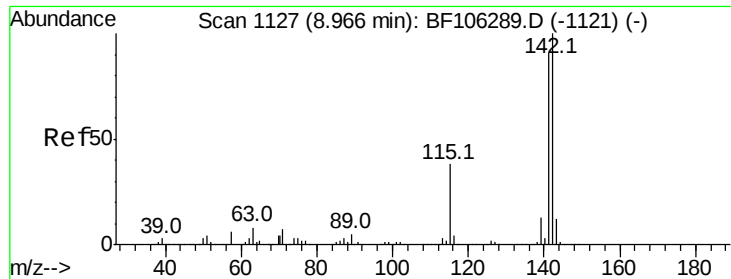


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

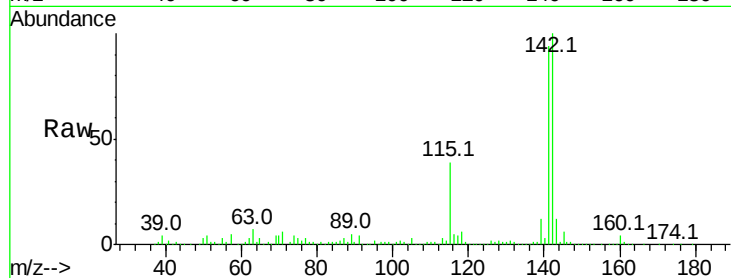




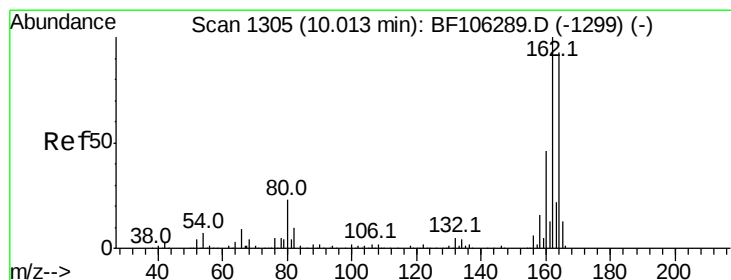
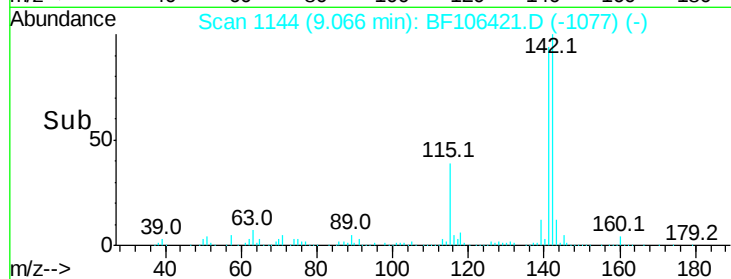
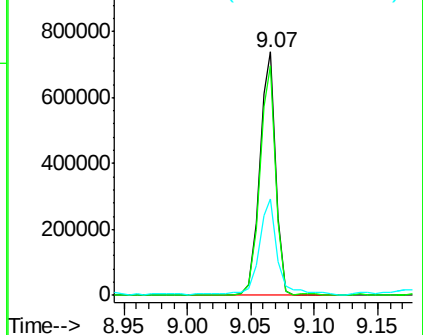
#37
2-Methylnaphthalene
Concen: 38.331 ng
RT: 9.07 min Scan# 1144
Delta R.T. 0.09 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.4	70.8	106.2
115	39.4	26.1	39.1#

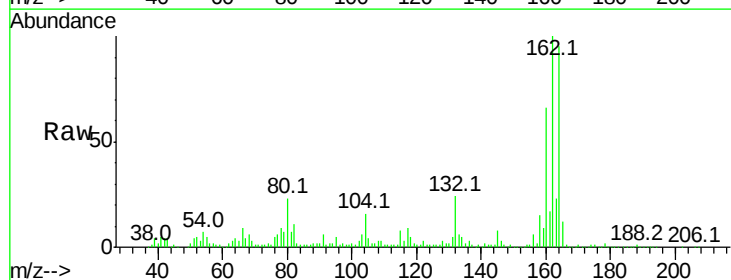


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

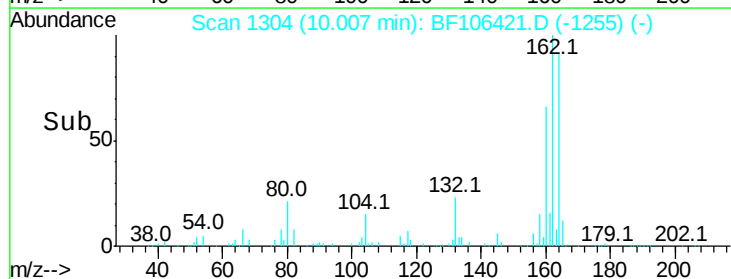
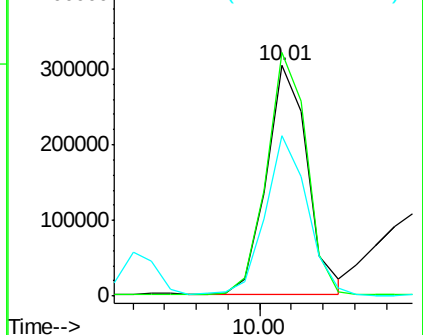


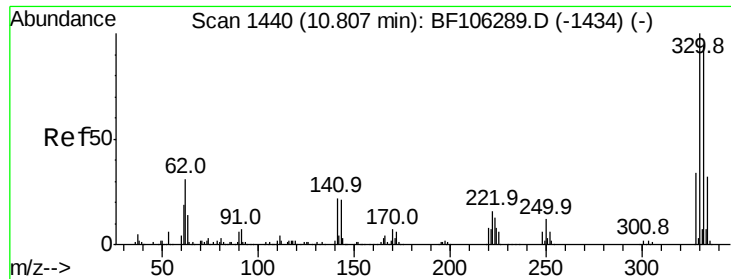
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	69.9	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

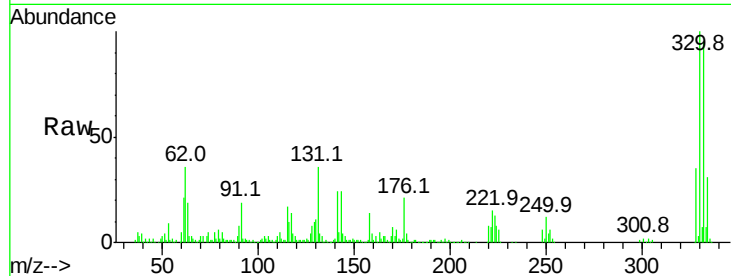




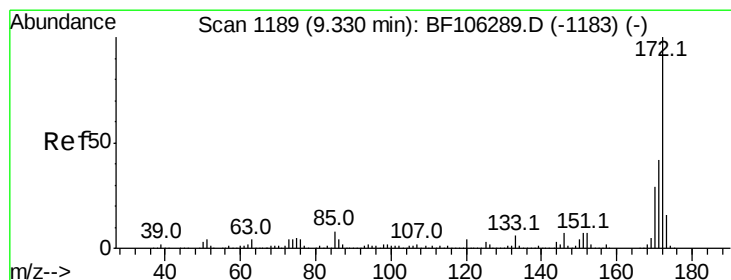
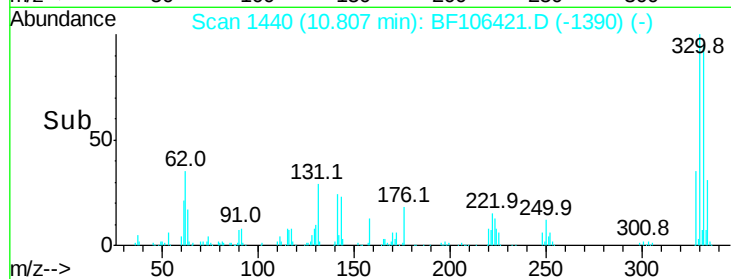
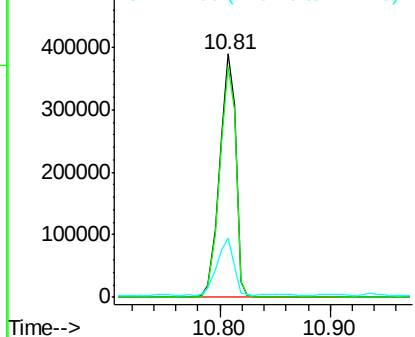
#41
 2,4,6-Tribromophenol
 Concen: 151.009 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF106421.D
 Acq: 14 Jun 2018 5:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 395159
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 24.3 29.9 44.9#

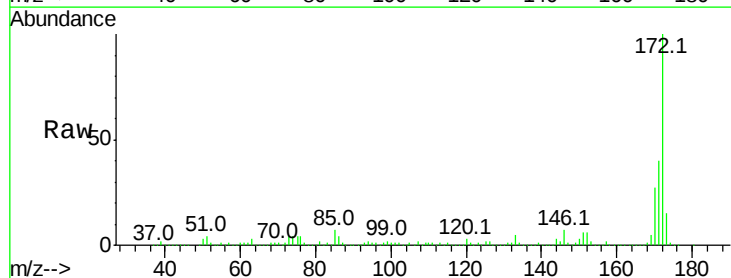


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

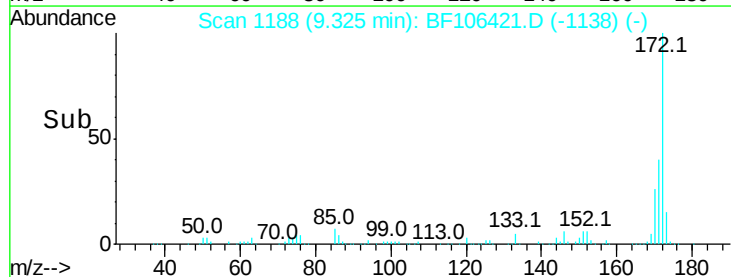
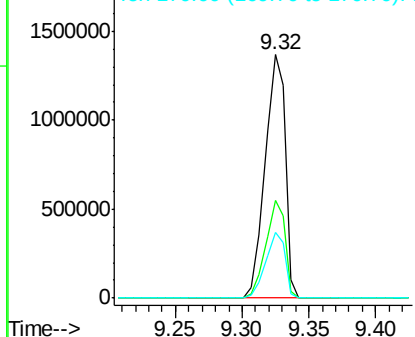


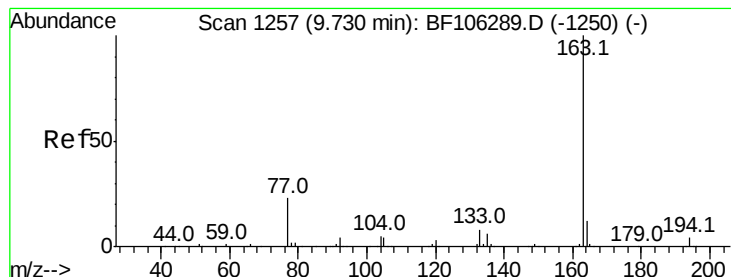
#44
 2-Fluorobiphenyl
 Concen: 97.617 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106421.D
 Acq: 14 Jun 2018 5:16

Tgt Ion:172 Resp: 1427818
 Ion Ratio Lower Upper
 172 100
 171 40.1 29.7 44.5
 170 26.9 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: 2.530 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampleId :

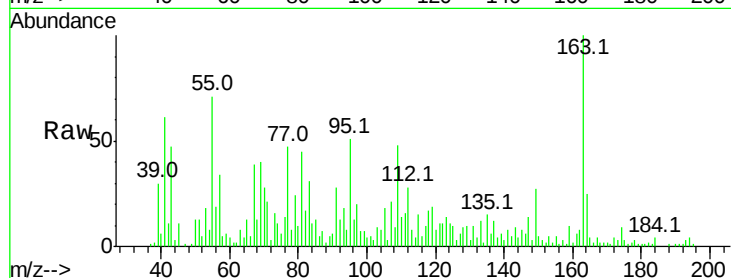
Tot Ion:163 Resp: 49159

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

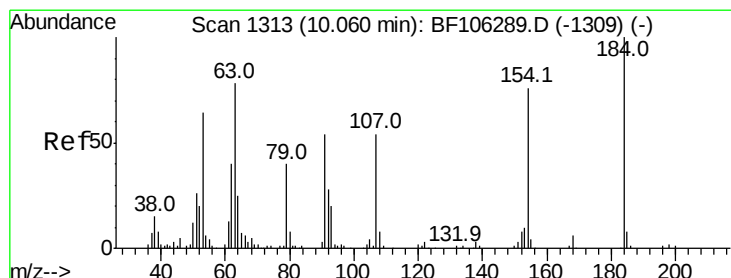
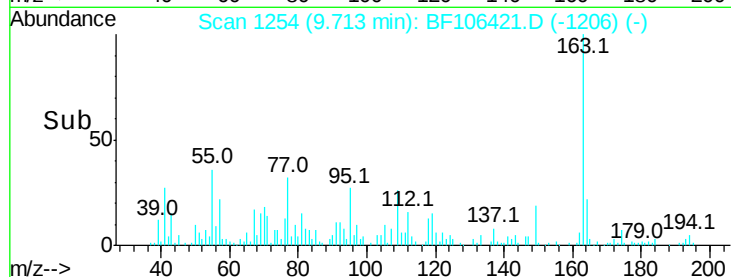
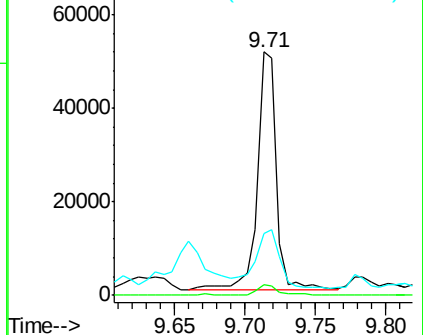
164 25.3 8.2 12.2#



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: 9.282 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

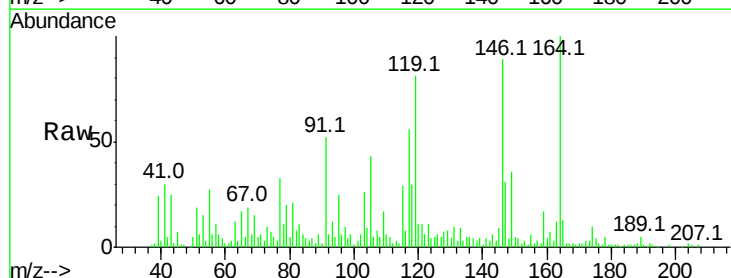
Tgt Ion:184 Resp: 1365

Ion Ratio Lower Upper

184 100

63 1557.2 54.2 81.2#

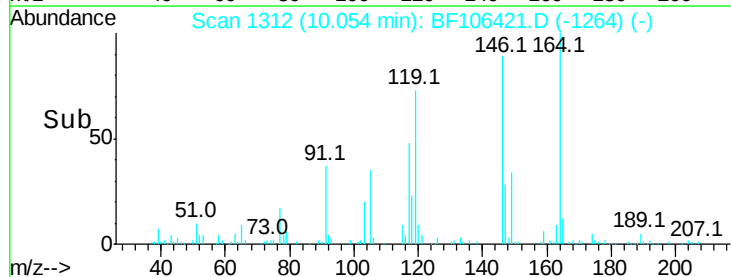
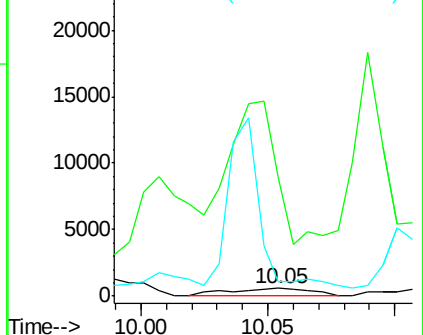
154 189.0 184.0 276.0

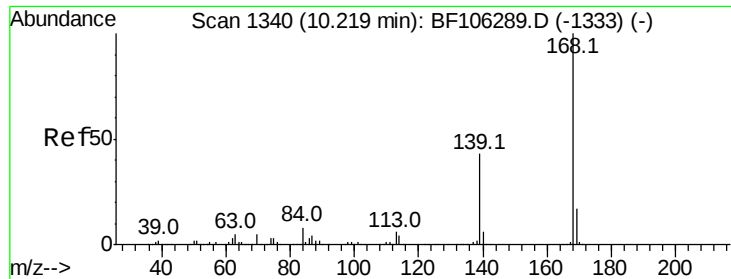


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.186 ng

RT: 10.21 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampleId :

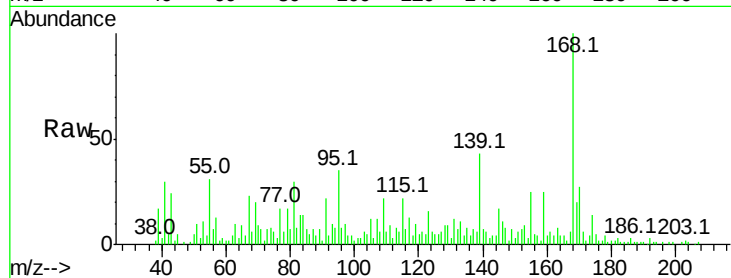
Tot Ion:168 Resp: 49053

Ion Ratio Lower Upper

168 100

139 42.9 30.1 45.1

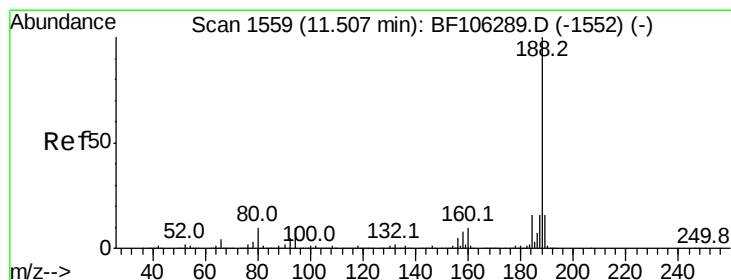
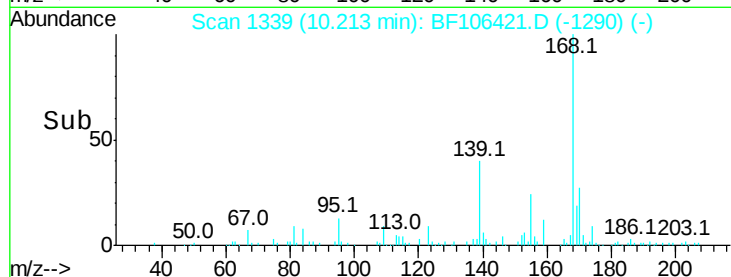
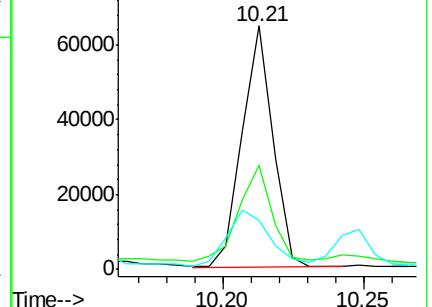
169 20.2 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

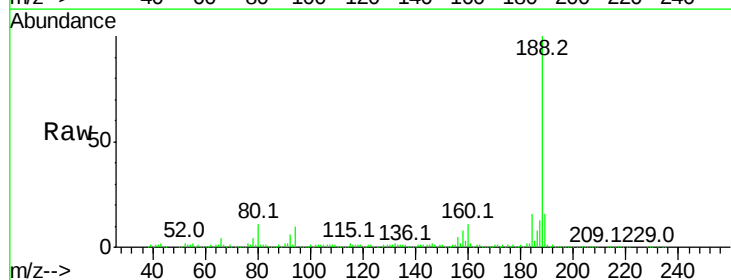
Tgt Ion:188 Resp: 510435

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

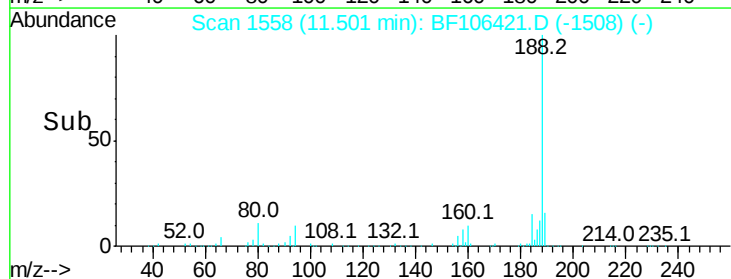
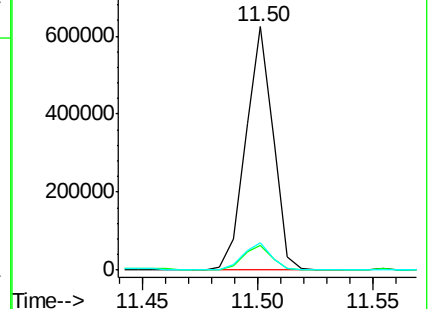
80 11.2 9.2 13.8

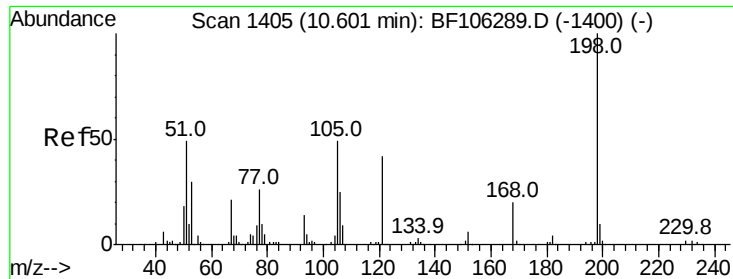


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

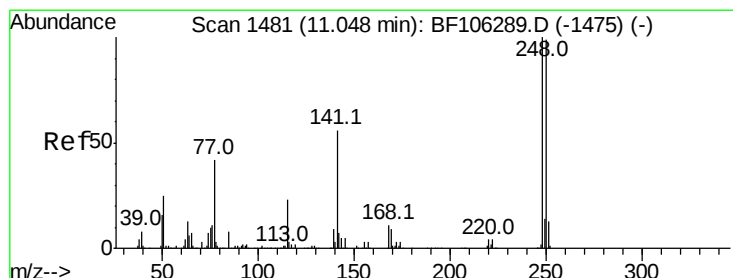
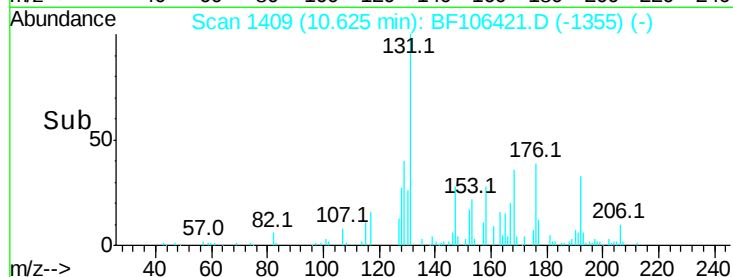
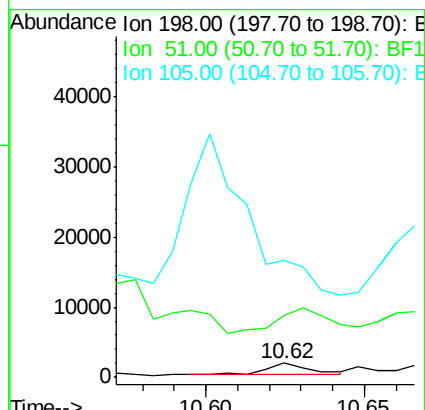
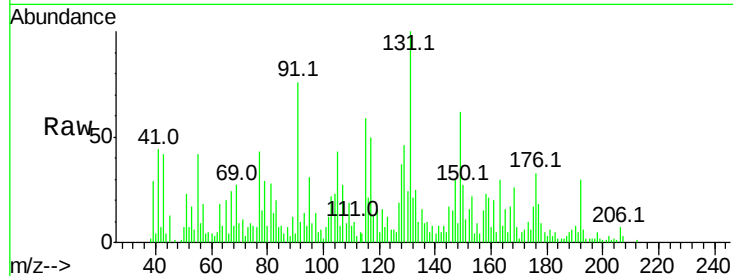




#64
4,6-Dinitro-2-methylphenol
Concen: 6.797 ng
RT: 10.62 min Scan# 1409
Delta R.T. 0.02 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

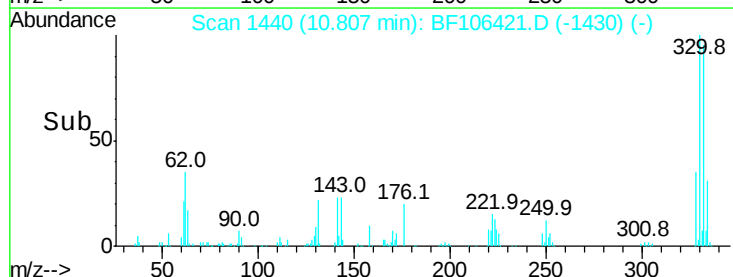
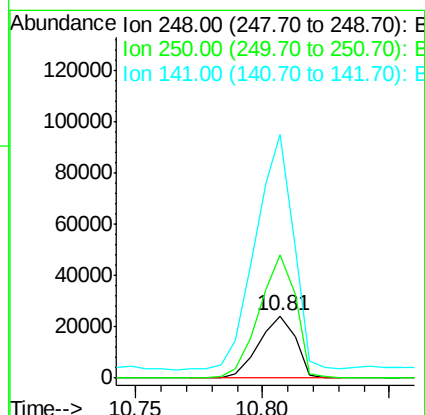
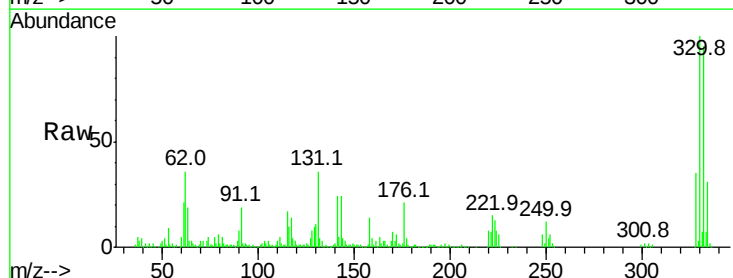
Instrument :
BNA_F
ClientSampled :

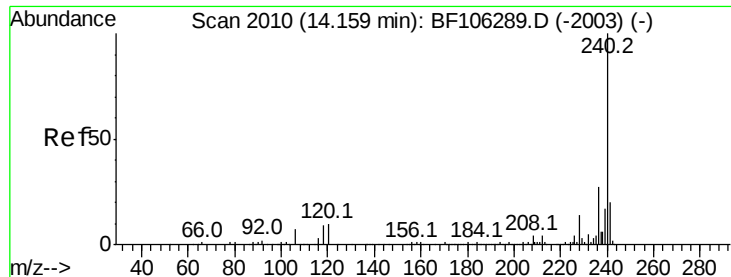
Tot Ion:198 Resp: 1592
Ion Ratio Lower Upper
198 100
51 432.6 37.7 77.7#
105 821.8 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 4.237 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106421.D
Acq: 14 Jun 2018 5:16

Tgt Ion:248 Resp: 24601
Ion Ratio Lower Upper
248 100
250 199.3 76.9 115.3#
141 392.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampleId :

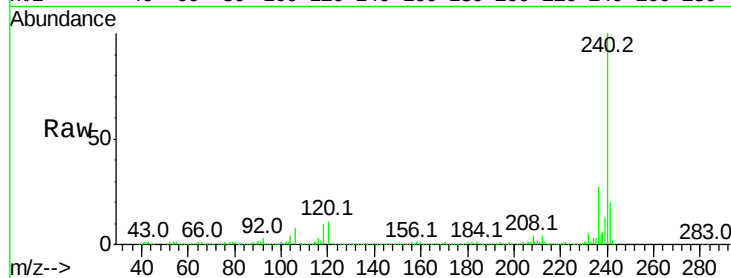
Tot Ion:240 Resp: 414679

Ion Ratio Lower Upper

240 100

120 11.1 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

600000

500000

400000

300000

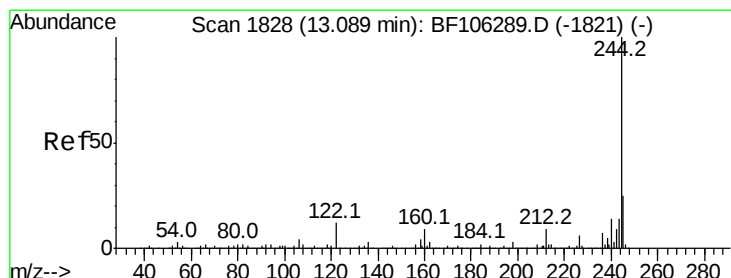
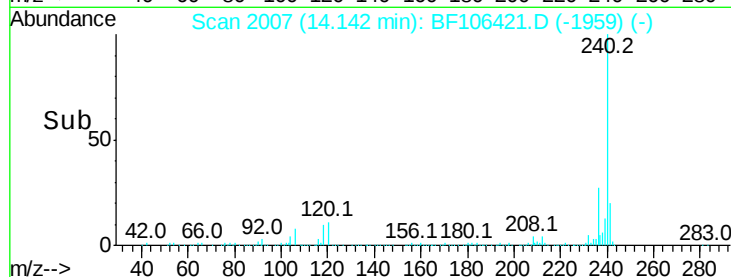
200000

100000

0

14.10 14.15 14.20 14.25

Time-->



#78

Terphenyl-d14

Concen: 85.834 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

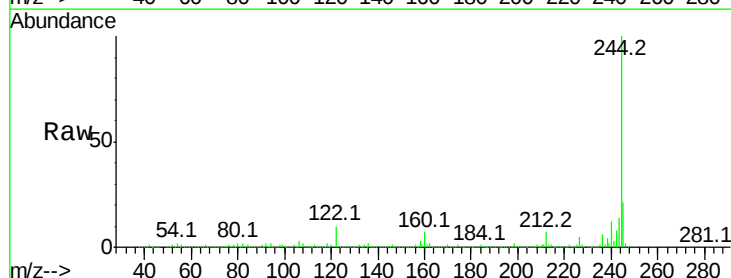
Tgt Ion:244 Resp: 1433035

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

122 9.6 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

1500000

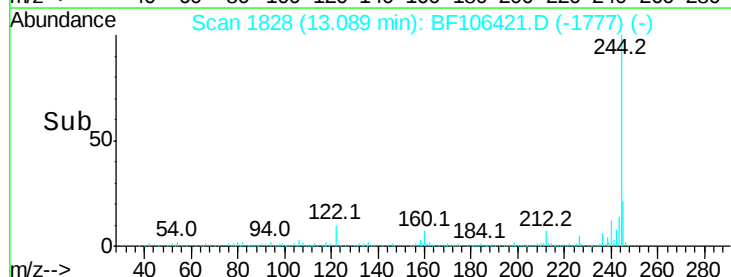
1000000

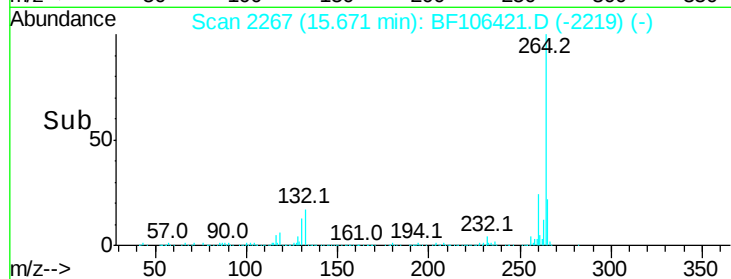
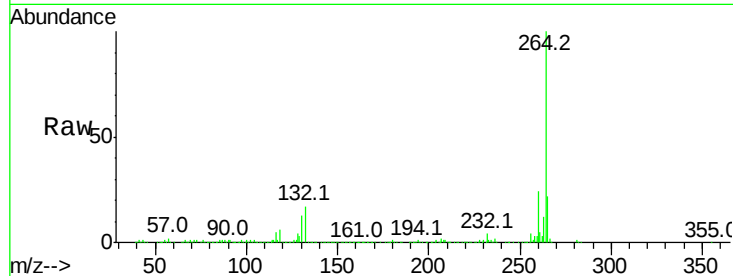
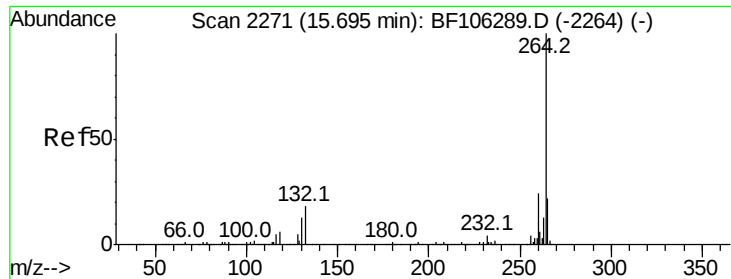
500000

0

13.00 13.10 13.20

Time-->





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF106421.D

Acq: 14 Jun 2018 5:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 393799

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 17.5 26.3

