

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106493.D
 Acq On : 15 Jun 2018 15:54
 Operator : JU/SJ
 Sample : J3490-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-BASE

Quant Time: Jun 15 22:57:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	114774	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	419053	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	174297	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	278531	20.00	ng	0.00
75) Chrysene-d12	14.15	240	299703	20.00	ng	0.00
86) Perylene-d12	15.70	264	274146	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	669322	98.70	ng	0.00
7) Phenol-d6	6.61	99	883459	103.12	ng	0.00
23) Nitrobenzene-d5	7.53	82	621424	87.24	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	132310	78.90	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1000166	112.45	ng	0.00
78) Terphenyl-d14	13.08	244	893434	74.04	ng	0.00

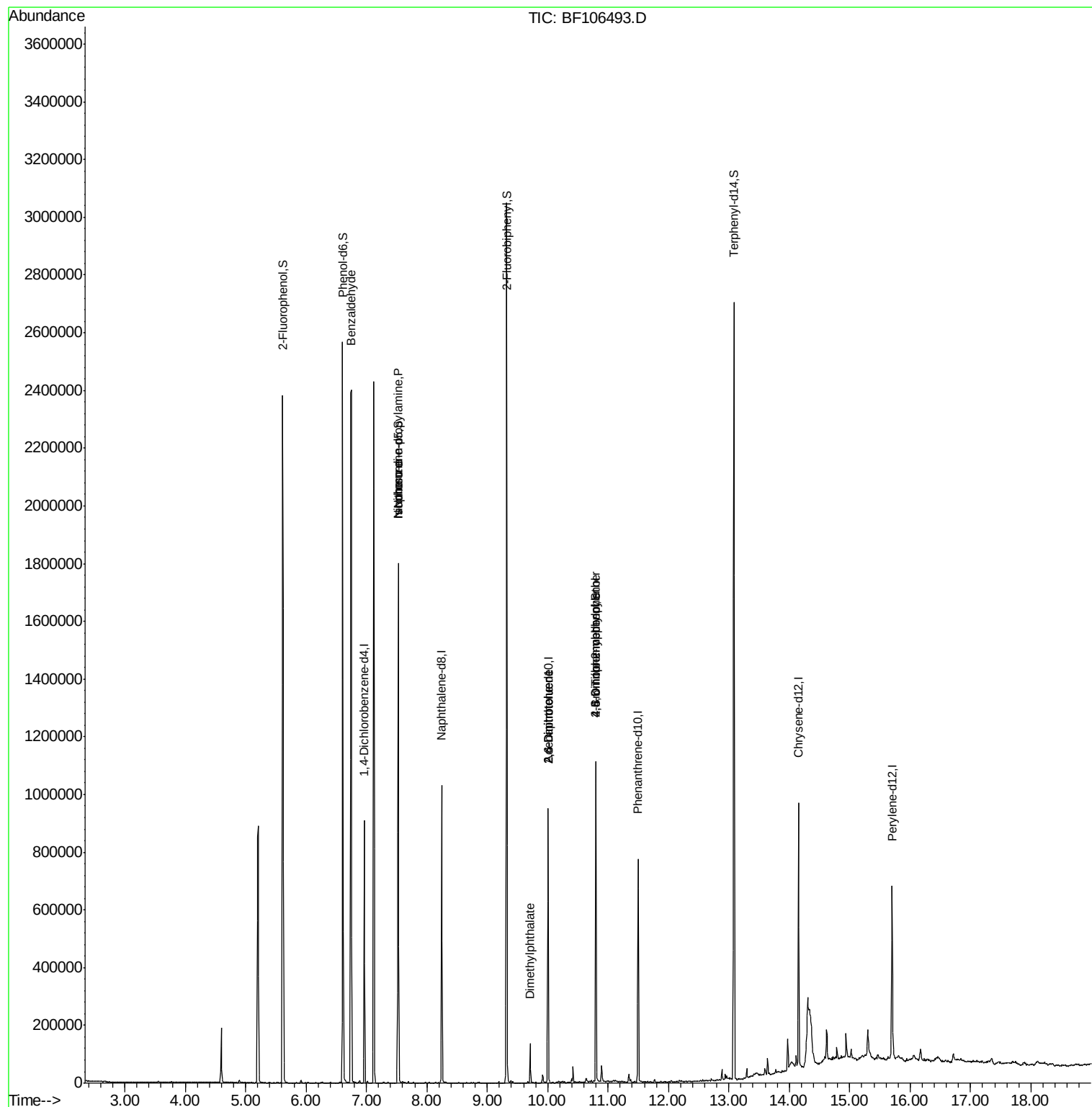
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	15592	2.399	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	83342	12.966	ng	# 74
25) Isophorone	7.53	82	621417	44.663	ng	# 64
49) Dimethylphthalate	9.71	163	52841	4.243	ng	98
50) 2,6-Dinitrotoluene	10.01	165	21890	8.606	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	21890	6.853	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	267	6.449	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	9654	3.047	ng	# 1

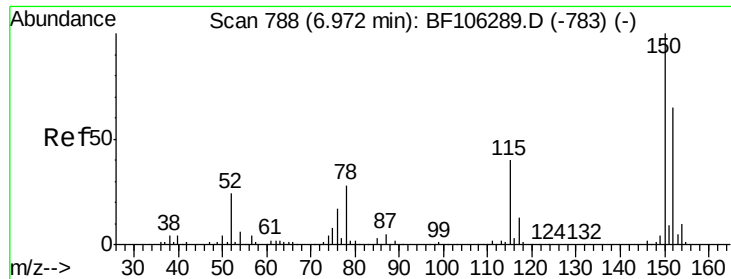
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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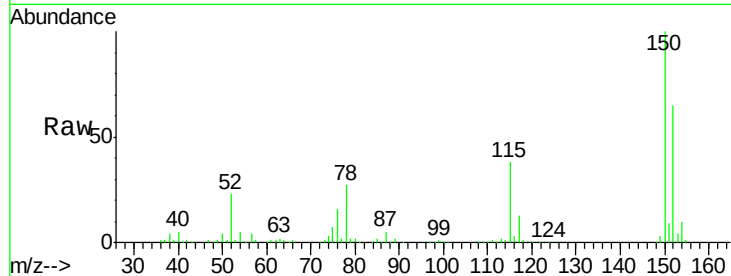


#1

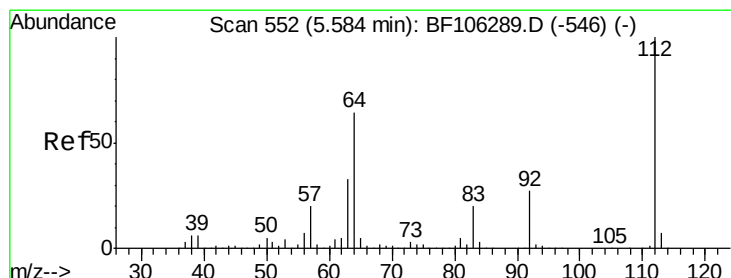
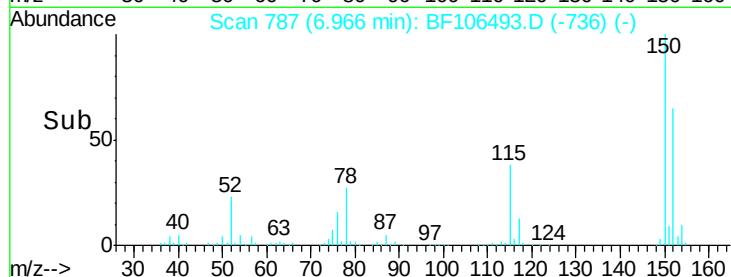
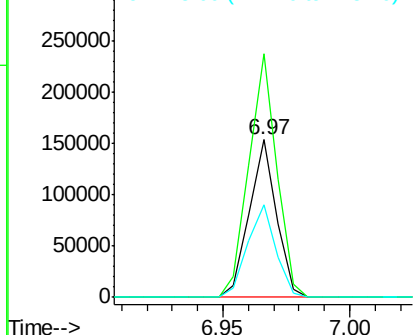
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106493.D
Acq: 15 Jun 2018 15:54

Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

Tgt Ion:152 Resp: 114774
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 59.1 50.1 75.1



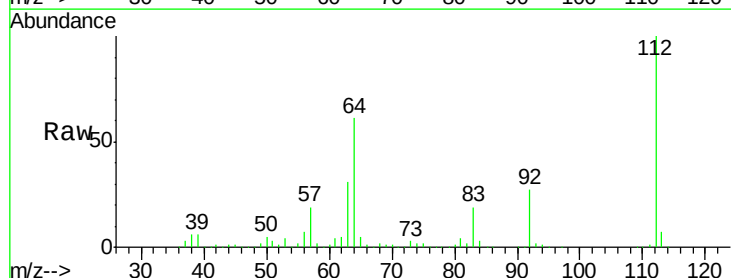
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



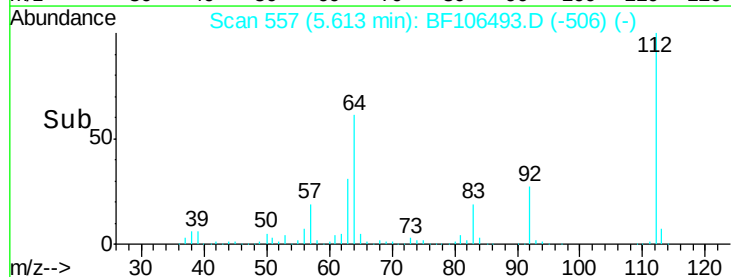
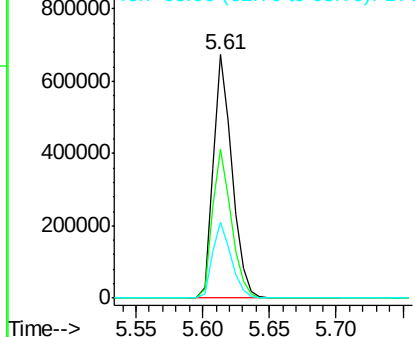
#5

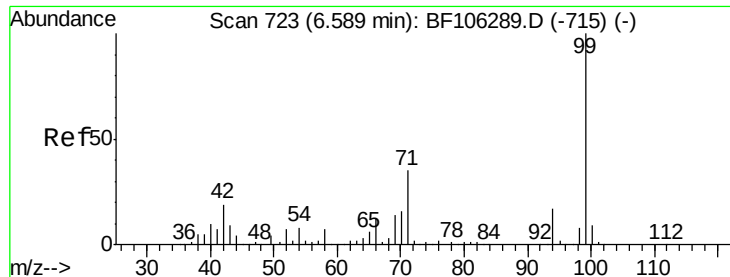
2-Fluorophenol
Concen: 98.701 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106493.D
Acq: 15 Jun 2018 15:54

Tgt Ion:112 Resp: 669322
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 31.1 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: 103.116 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106493.D

Acq: 15 Jun 2018 15:54

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

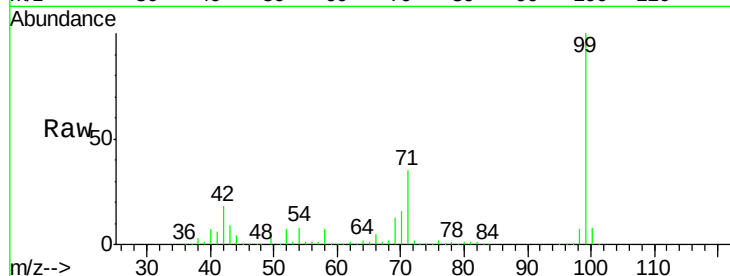
Tgt Ion: 99 Resp: 883459

Ion Ratio Lower Upper

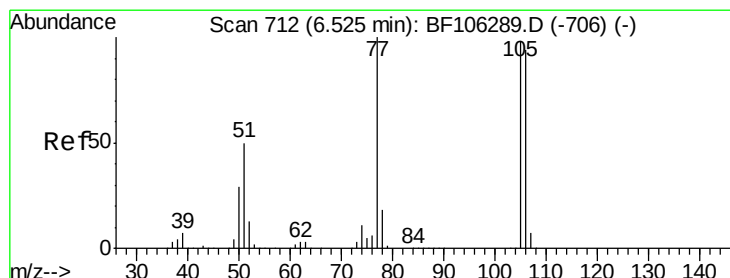
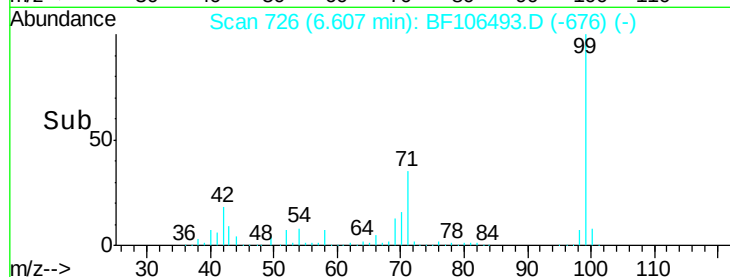
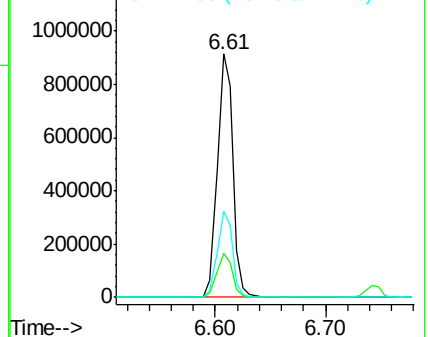
99 100

42 18.1 14.5 21.7

71 35.3 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: 2.399 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106493.D

Acq: 15 Jun 2018 15:54

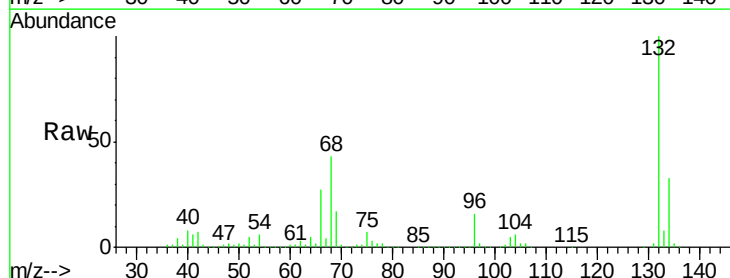
Tgt Ion: 77 Resp: 15592

Ion Ratio Lower Upper

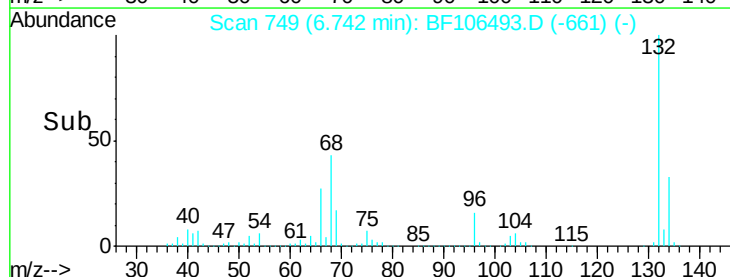
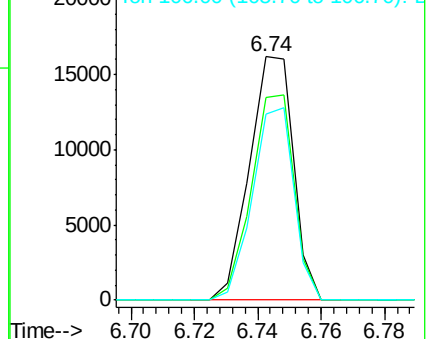
77 100

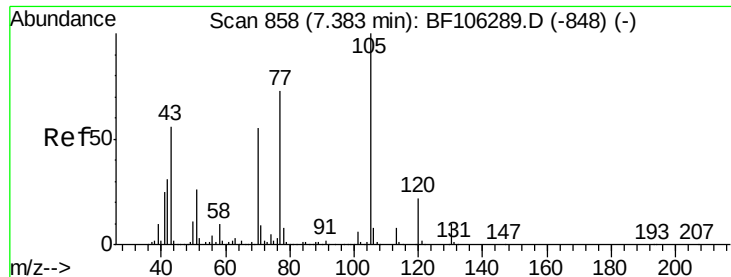
105 83.0 81.1 121.1

106 76.5 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

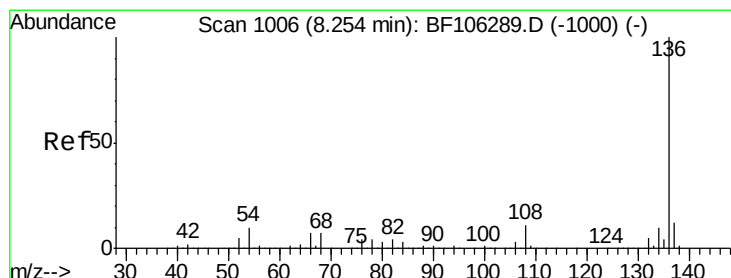
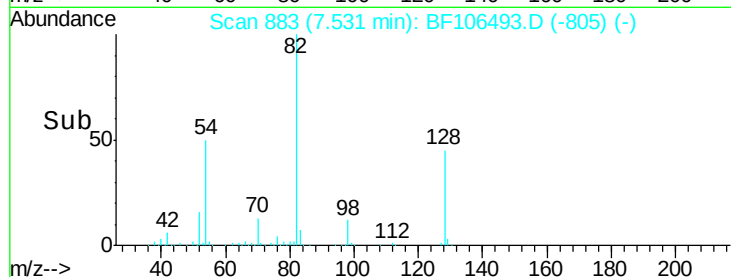
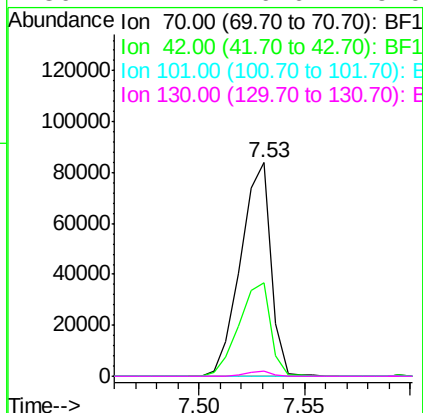
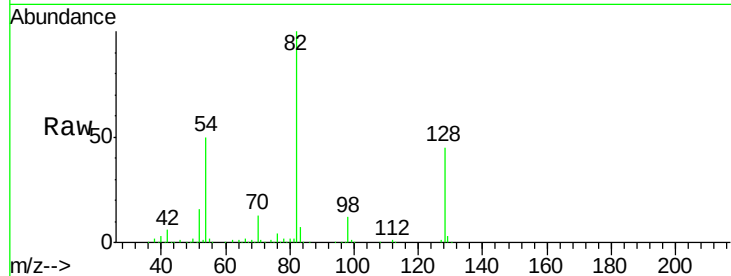




#19
n-Nitroso-di-n-propylamine
Concen: 12.966 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF106493.D
Acq: 15 Jun 2018 15:54

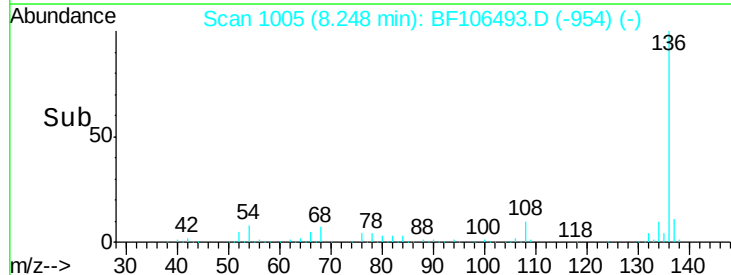
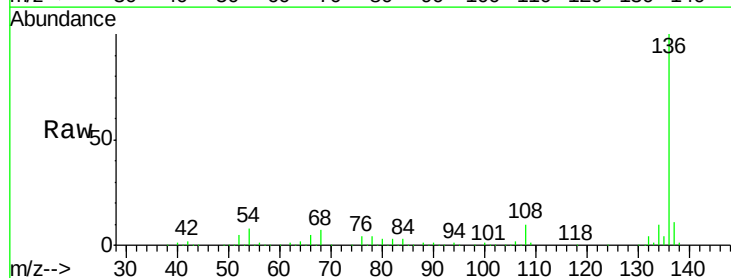
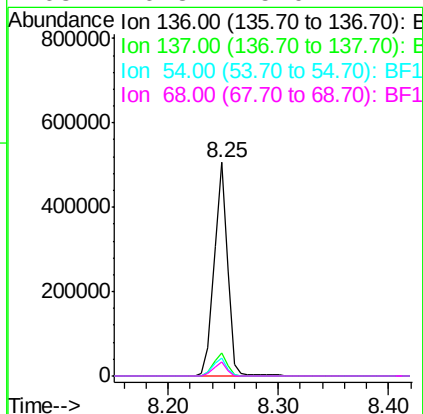
Instrument :
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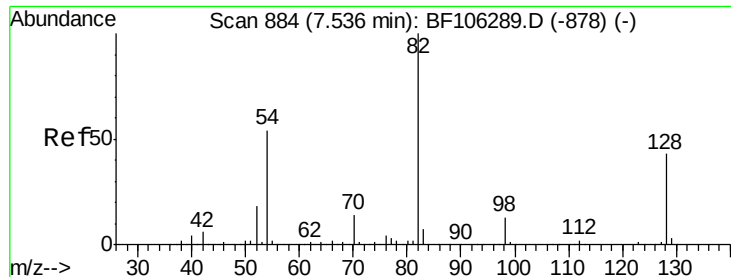
Tgt Ion: 70 Resp: 83342
Ion Ratio Lower Upper
70 100
42 43.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF106493.D
Acq: 15 Jun 2018 15:54

Tgt Ion: 136 Resp: 419053
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.5 6.6 9.8
68 6.8 5.0 7.4

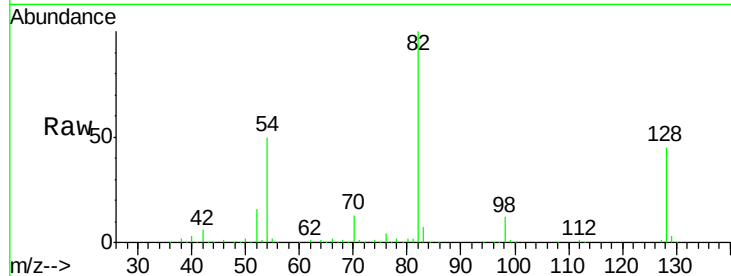




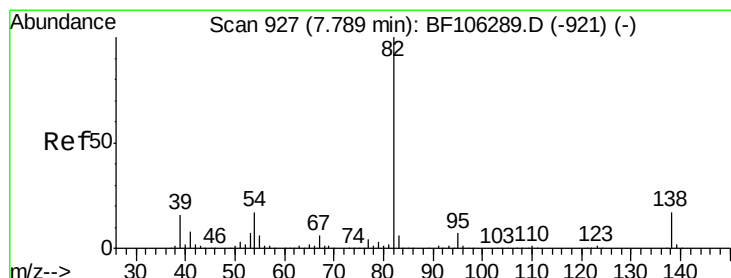
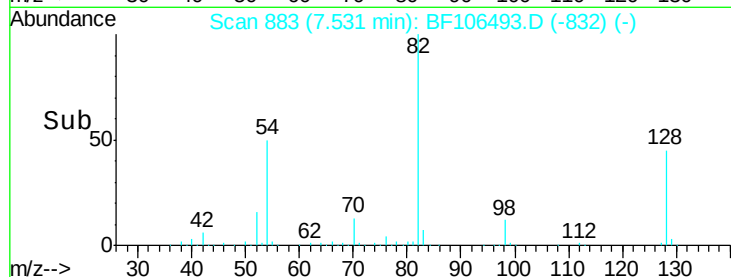
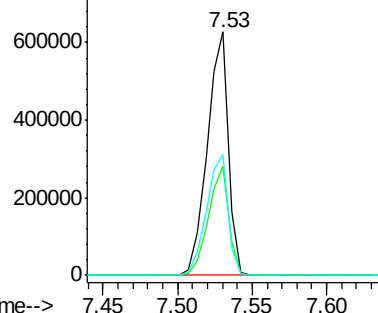
#23
 Nitrobenzene-d5
 Concen: 87.238 ng
 RT: 7.53 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-BASE

Tgt Ion: 82 Resp: 621424
 Ion Ratio Lower Upper
 82 100
 128 45.0 36.1 54.1
 54 49.6 41.4 62.2

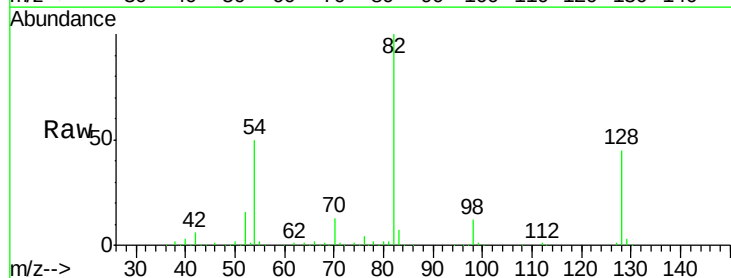


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

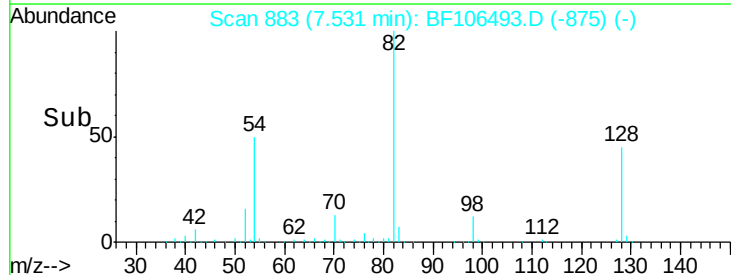
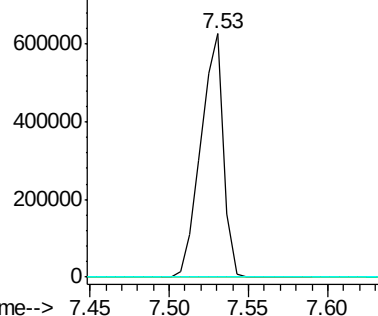


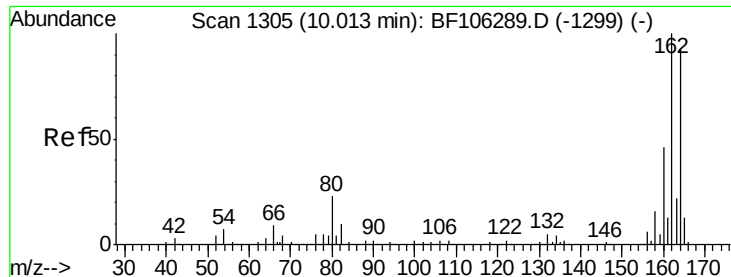
#25
 Isophorone
 Concen: 44.663 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.25 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Tgt Ion: 82 Resp: 621417
 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. 0.00 min

Lab File: BF106493.D

Acq: 15 Jun 2018 15:54

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

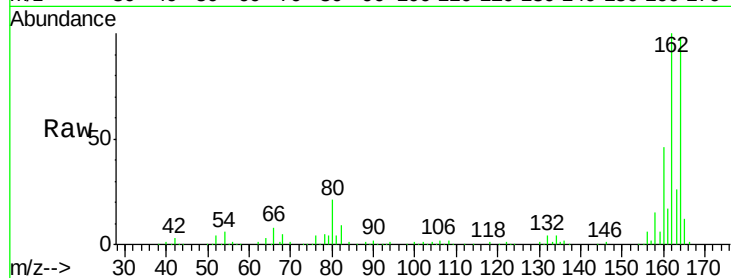
Tgt Ion:164 Resp: 174297

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

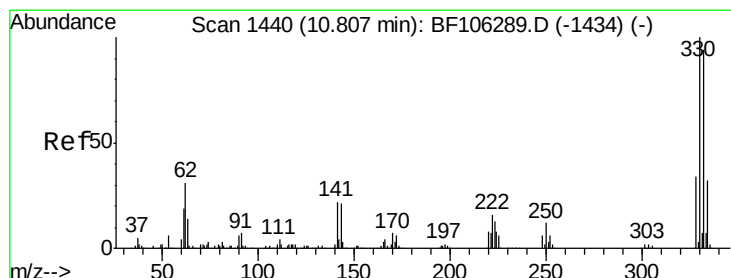
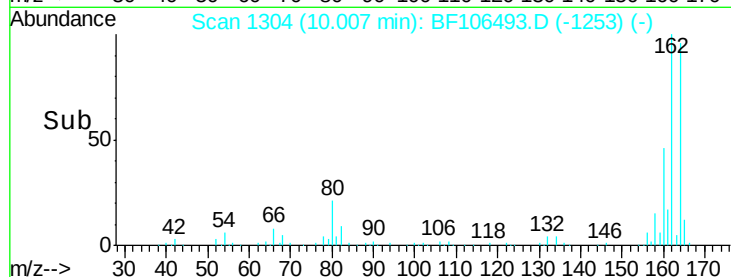
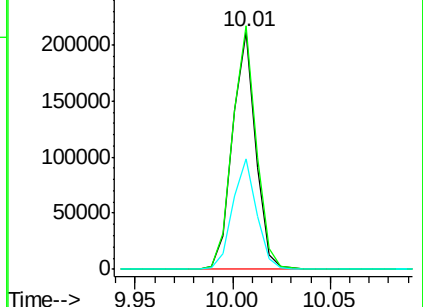
160 46.7 38.3 57.5



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: 78.895 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF106493.D

Acq: 15 Jun 2018 15:54

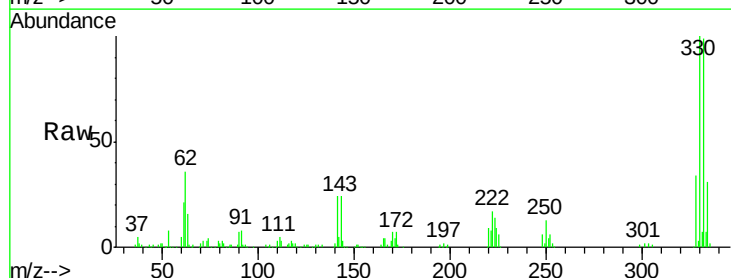
Tgt Ion:330 Resp: 132310

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

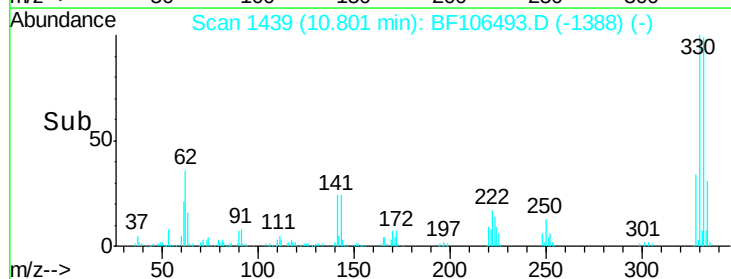
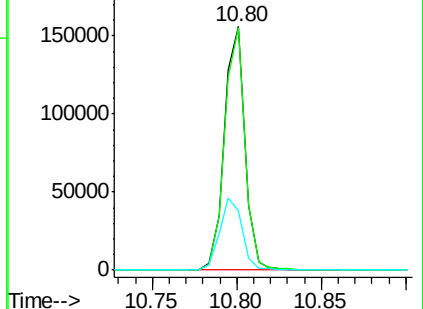
141 32.5 29.9 44.9

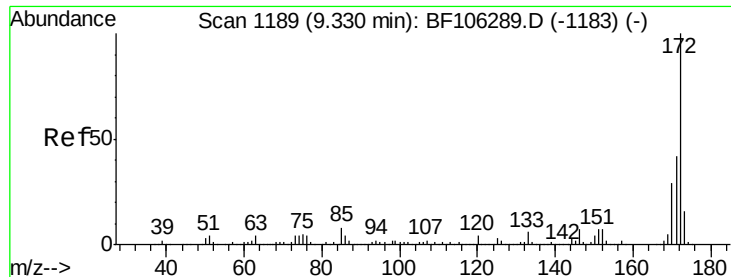


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

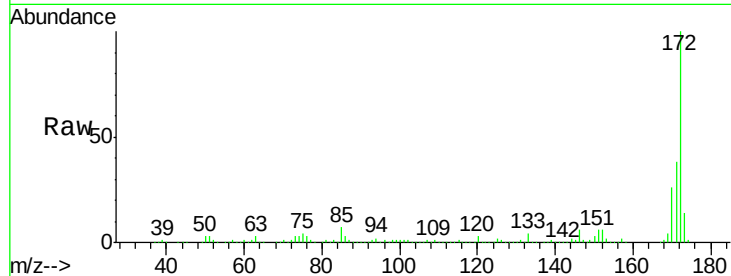




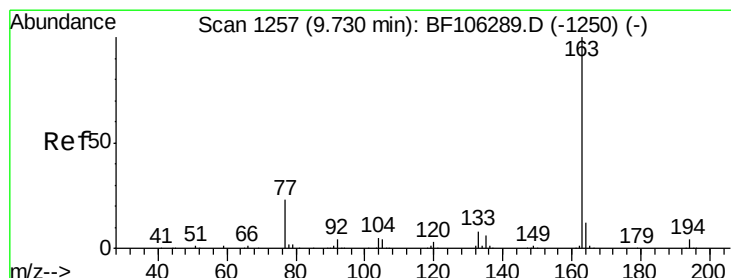
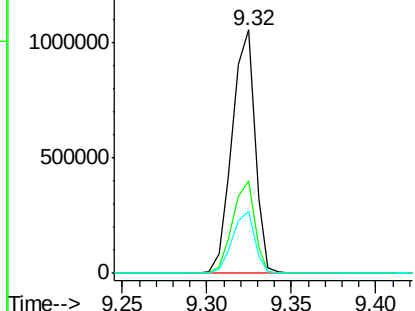
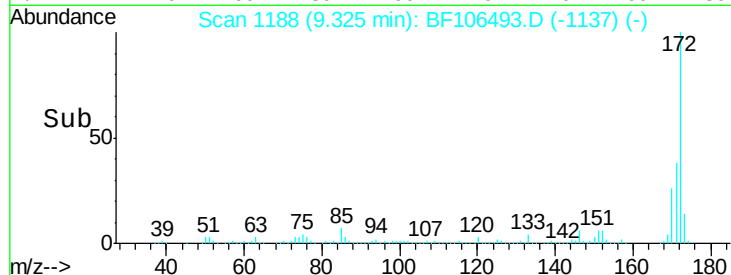
#44
 2-Fluorobiphenyl
 Concen: 112.453 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Instrument :
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Tgt Ion:172 Resp: 1000166
 Ion Ratio Lower Upper
 172 100
 171 38.2 29.7 44.5
 170 25.6 19.6 29.4

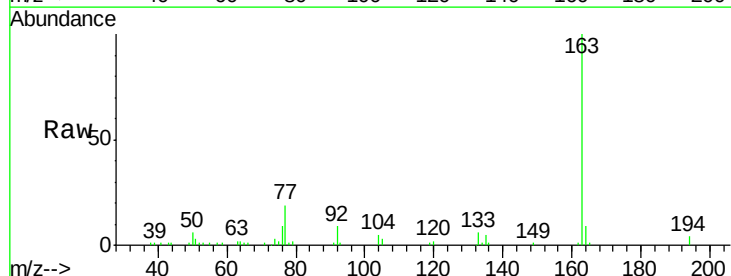


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

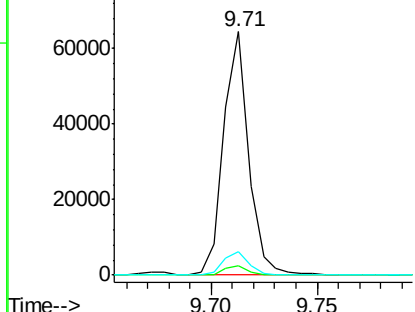
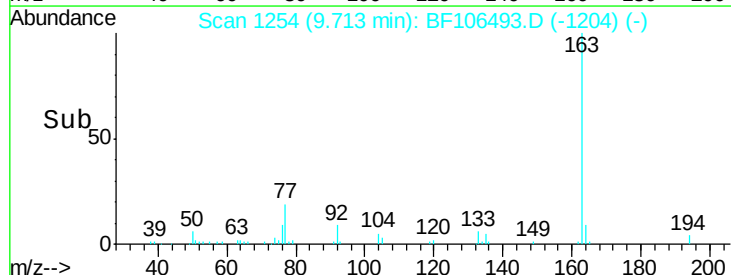


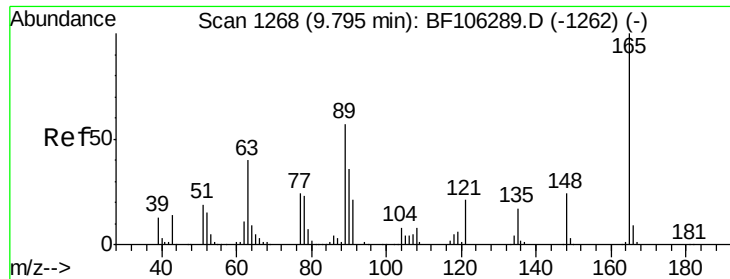
#49
 Dimethylphthalate
 Concen: 4.243 ng
 RT: 9.71 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Tgt Ion:163 Resp: 52841
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.7 4.1
 164 9.5 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

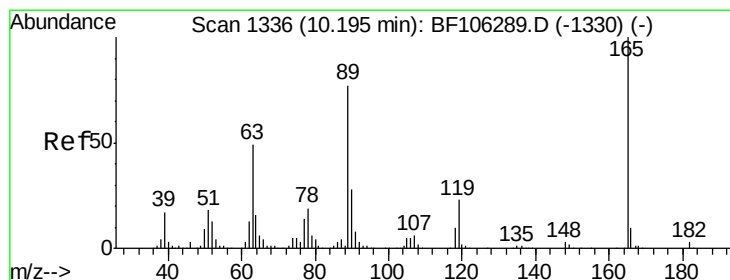
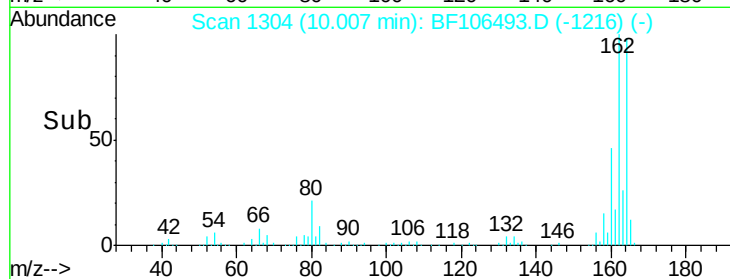
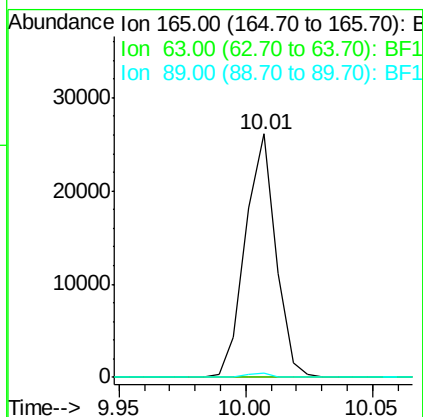
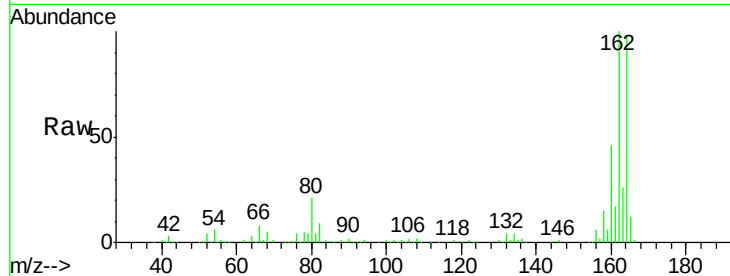




#50
 2,6-Dinitrotoluene
 Concen: 8.606 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.22 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

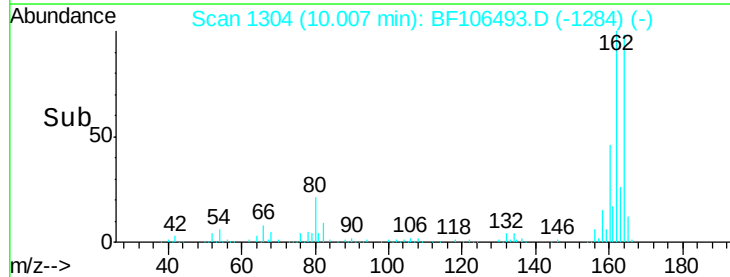
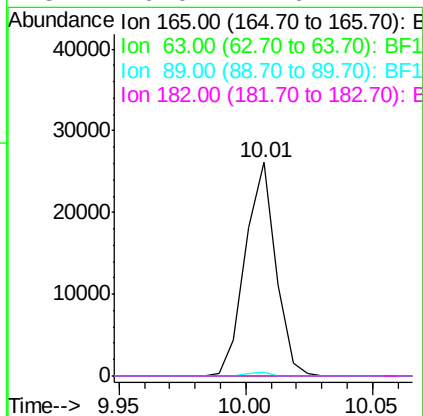
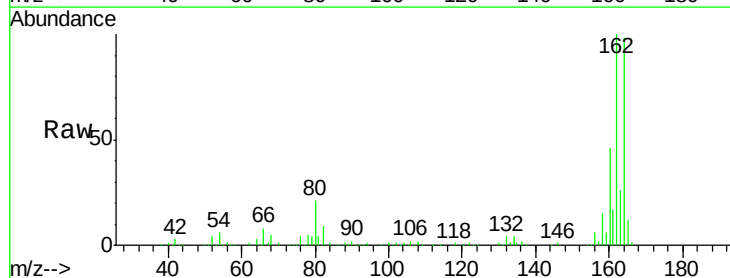
Instrument :
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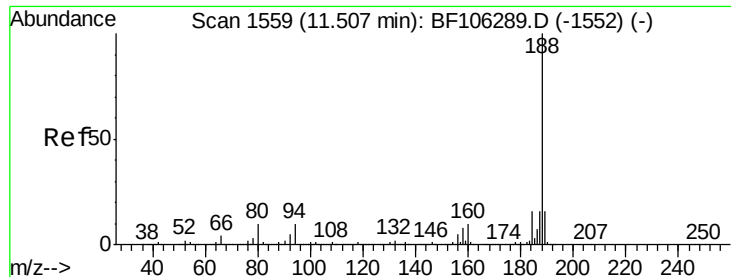
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.853 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.18 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106493.D

Acq: 15 Jun 2018 15:54

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

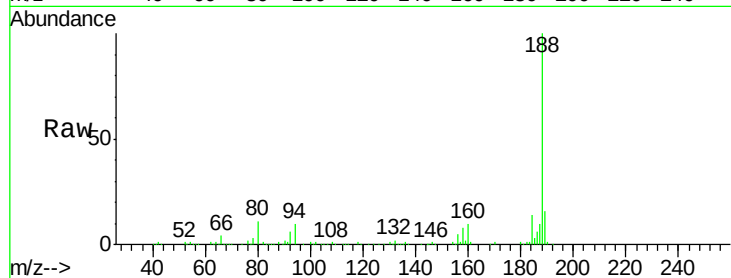
Tgt Ion:188 Resp: 278531

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

80 11.3 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

400000

300000

200000

100000

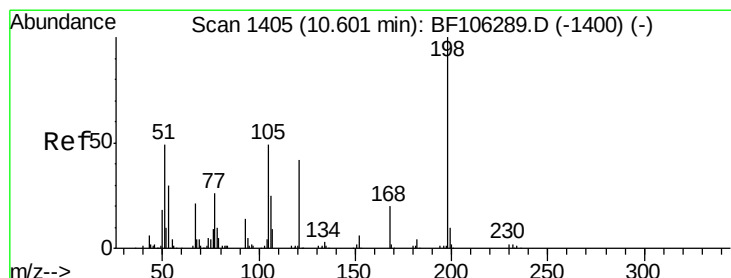
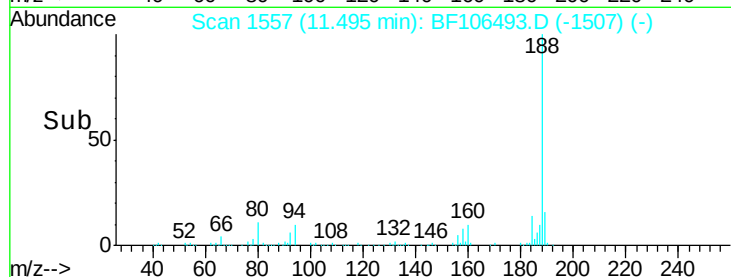
0

11.45

11.50

11.55

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 6.449 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106493.D

Acq: 15 Jun 2018 15:54

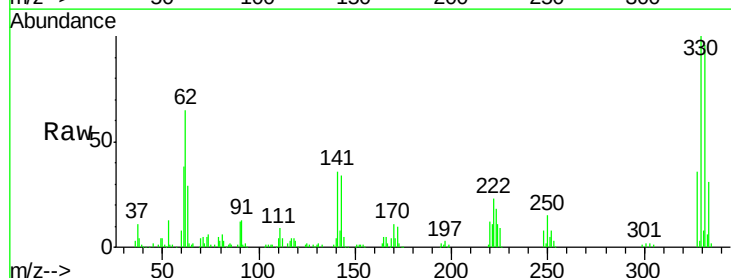
Tgt Ion:198 Resp: 267

Ion Ratio Lower Upper

198 100

51 189.5 37.7 77.7#

105 172.6 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

1000

800

600

400

200

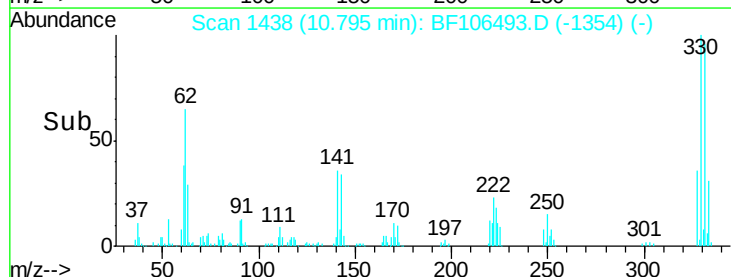
0

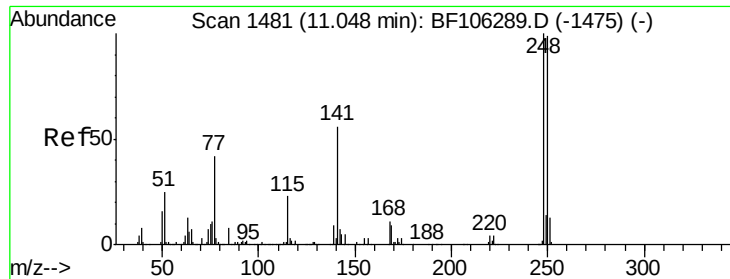
10.78

10.80

10.82

Time-->

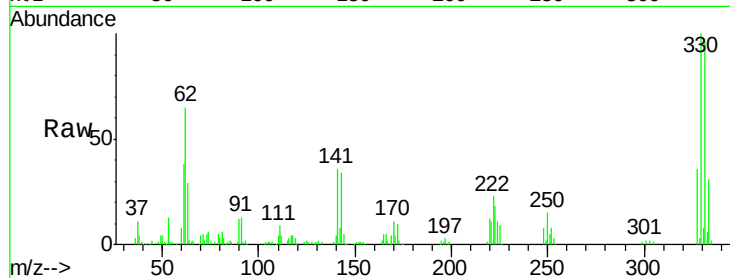




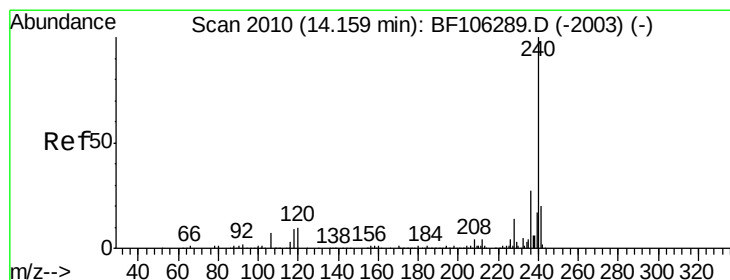
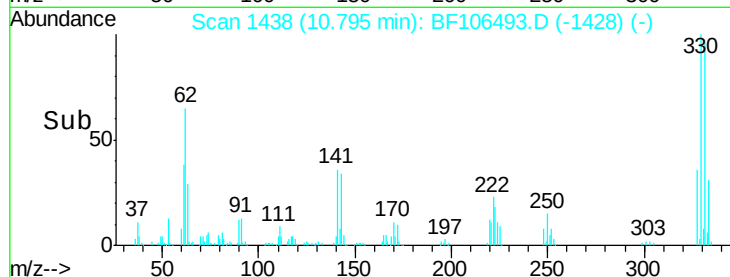
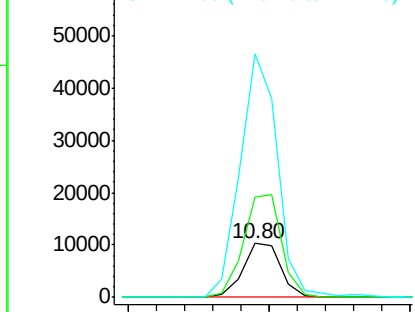
#66
4-Bromophenyl-phenylether
Concen: 3.047 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106493.D
Acq: 15 Jun 2018 15:54

Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

Tgt Ion:248 Resp: 9654
Ion Ratio Lower Upper
248 100
250 185.9 76.9 115.3#
141 453.3 74.4 111.6#

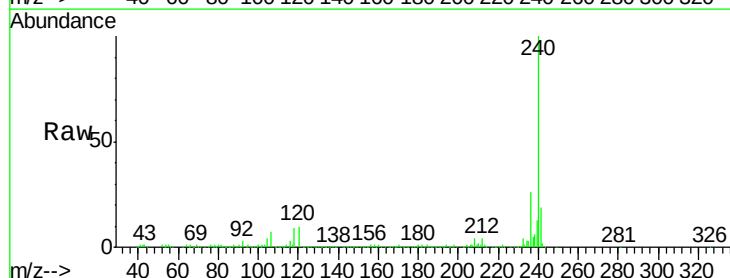


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

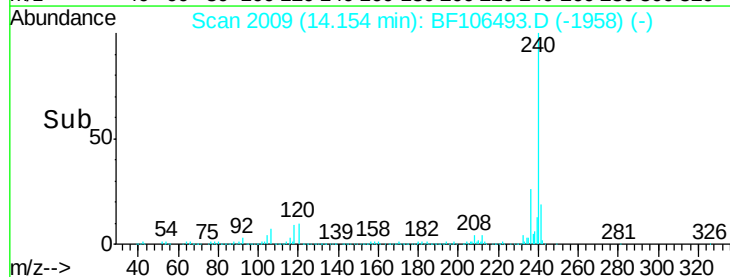
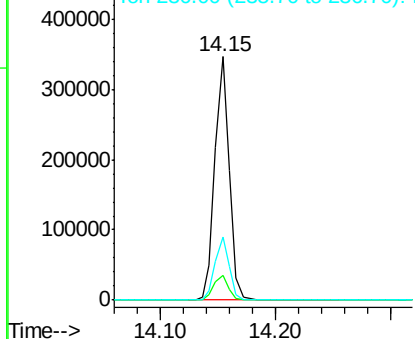


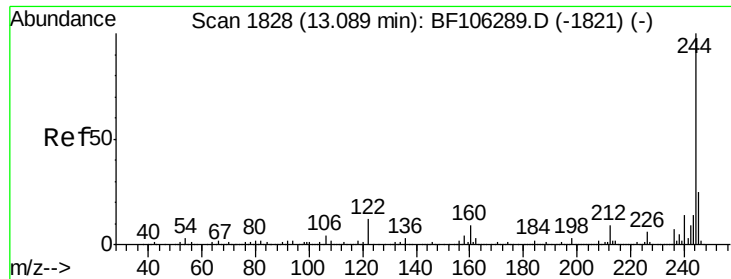
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF106493.D
Acq: 15 Jun 2018 15:54

Tgt Ion:240 Resp: 299703
Ion Ratio Lower Upper
240 100
120 10.3 9.5 14.3
236 25.9 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

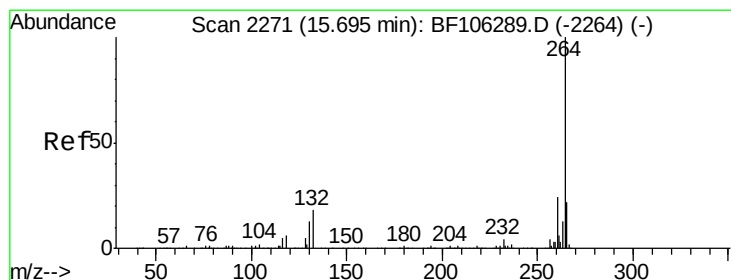
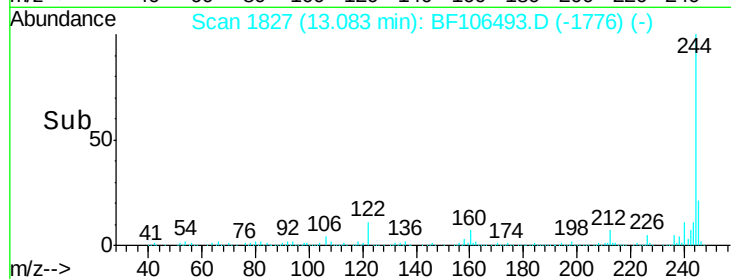
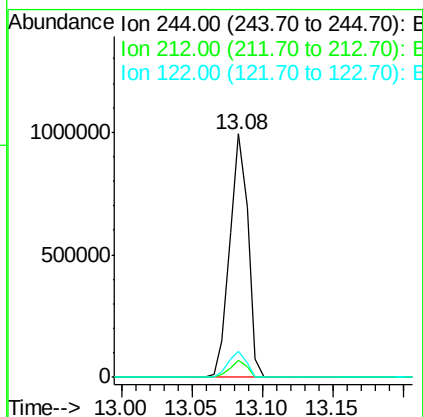
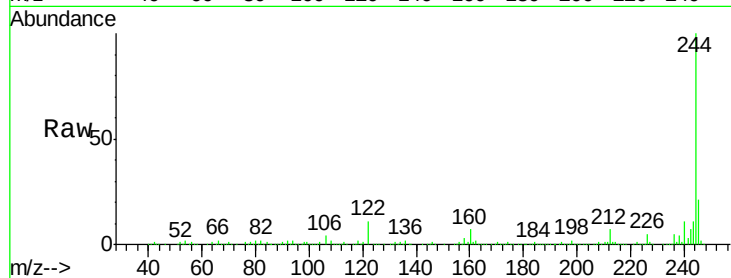




#78
 Terphenyl-d14
 Concen: 74.043 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-BASE

Tgt Ion:244 Resp: 893434
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 10.8 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. 0.02 min
 Lab File: BF106493.D
 Acq: 15 Jun 2018 15:54

Tgt Ion:264 Resp: 274146
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.2 17.5 26.3

