

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062118\
 Data File : BF106671.D
 Acq On : 21 Jun 2018 20:01
 Operator : JU/SJ
 Sample : J3554-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-3(5.0)

Quant Time: Jun 21 20:22:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 21 16:55:30 2018
 Response via : Initial Calibration

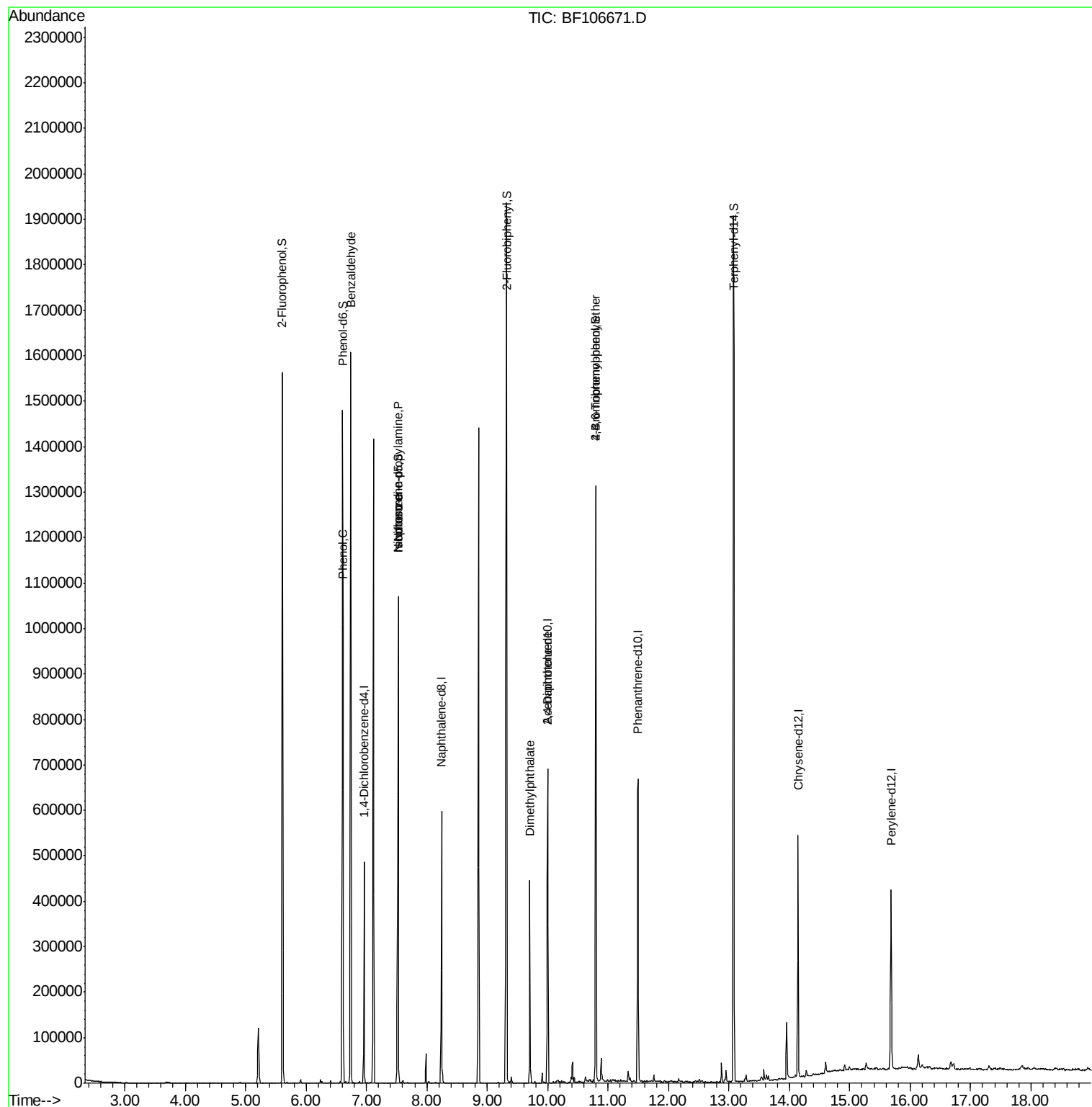
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	66355	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	253242	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	133333	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	265902	20.00	ng	0.00
75) Chrysene-d12	14.14	240	184756	20.00	ng	-0.01
86) Perylene-d12	15.68	264	194537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	456919	116.60	ng	0.00
7) Phenol-d6	6.61	99	590994	120.77	ng	0.00
23) Nitrobenzene-d5	7.52	82	396193	86.94	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	208436	134.88	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	673198	85.56	ng	0.00
78) Terphenyl-d14	13.08	244	755386	99.04	ng	0.00
Target Compounds						
9) Benzaldehyde	6.74	77	10657	2.581	ng	Qvalue 84
10) Phenol	6.62	94	11419	2.045	ng	93
19) n-Nitroso-di-n-propylamine	7.52	70	52422	16.251	ng	# 73
25) Isophorone	7.52	82	396187	49.339	ng	# 64
49) Dimethylphthalate	9.71	163	162735	16.273	ng	99
56) 2,4-Dinitrotoluene	10.00	165	17036	6.164	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	12866	4.054	ng	# 1

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

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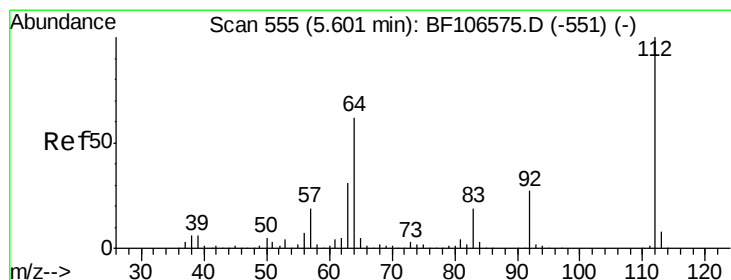
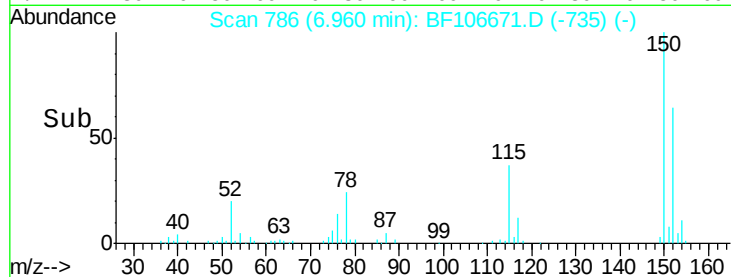
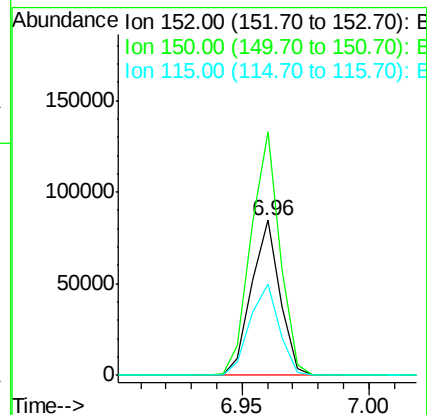
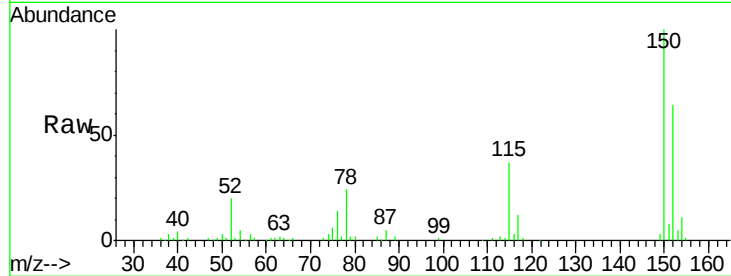


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Instrument :
BNA_F
ClientSampleId :
A-3(5.0)

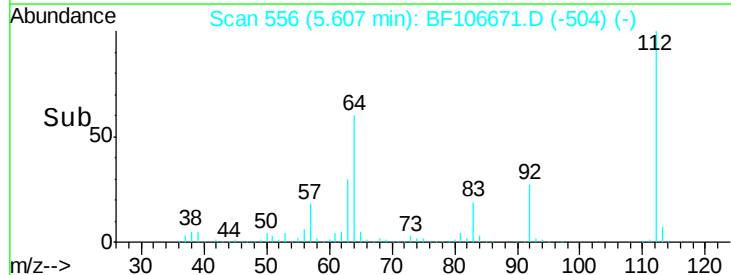
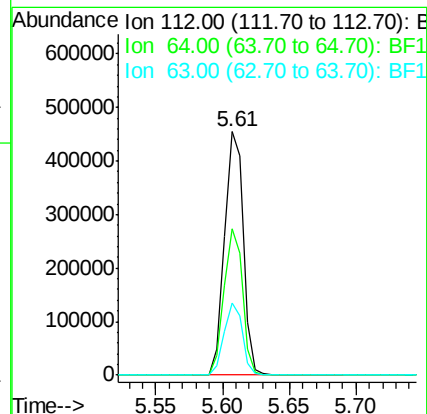
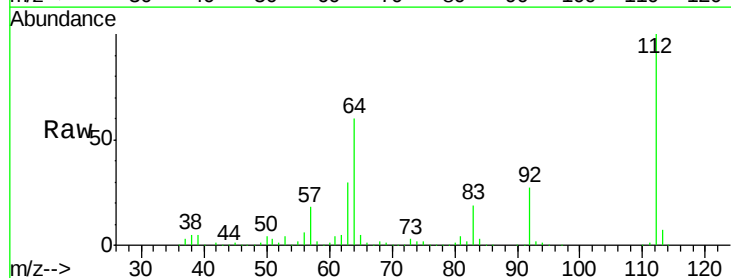
Tgt Ion:152 Resp: 66355
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 59.0 50.1 75.1



#5

2-Fluorophenol
Concen: 116.601 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Tgt Ion:112 Resp: 456919
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 29.6 23.7 35.5





#7

Phenol-d6

Concen: 120.768 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

Instrument :

BNA_F

ClientSampleId :

A-3(5.0)

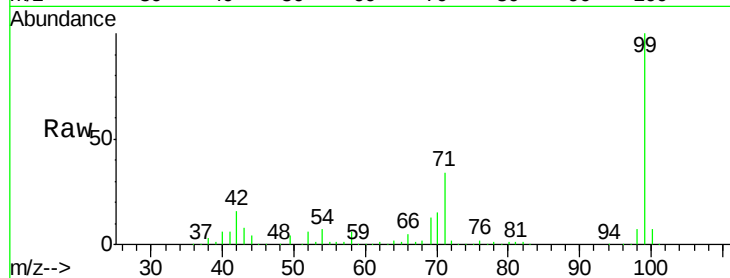
Tgt Ion: 99 Resp: 590994

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 34.4 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

600000

400000

200000

0

6.61

6.60

6.62

6.64

6.66

6.68

6.70

6.72

6.74

6.76

6.78

6.80

6.82

6.84

6.86

6.88

6.90

6.92

6.94

6.96

6.98

7.00

7.02

7.04

7.06

7.08

7.10

7.12

7.14

7.16

7.18

7.20

7.22

7.24

7.26

7.28

7.30

7.32

7.34

7.36

7.38

7.40

7.42

7.44

7.46

7.48

7.50

7.52

7.54

7.56

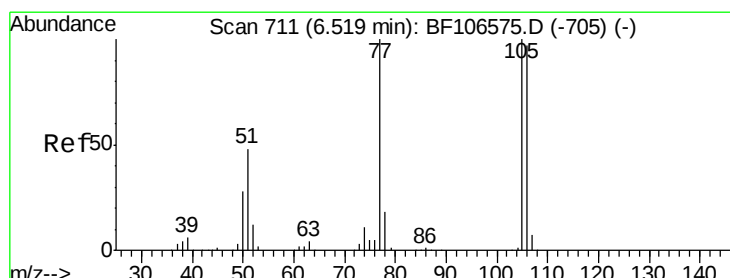
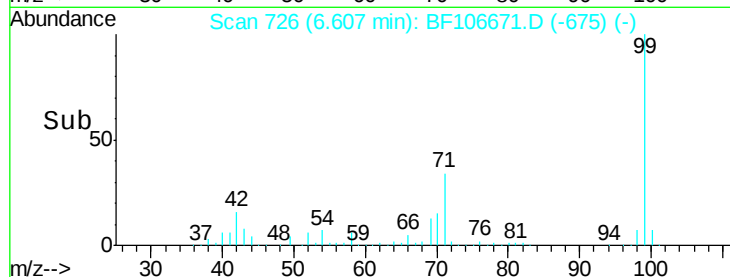
7.58

7.60

7.62

7.64

7.66



#9

Benzaldehyde

Concen: 2.581 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

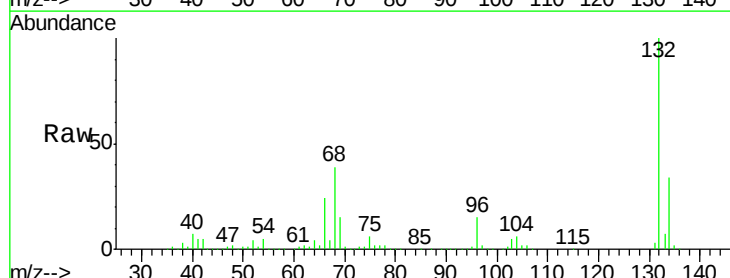
Tgt Ion: 77 Resp: 10657

Ion Ratio Lower Upper

77 100

105 81.8 81.1 121.1

106 83.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

10000

5000

0

6.74

6.72

6.74

6.76

6.78

6.80

6.82

6.84

6.86

6.88

6.90

6.92

6.94

6.96

6.98

7.00

7.02

7.04

7.06

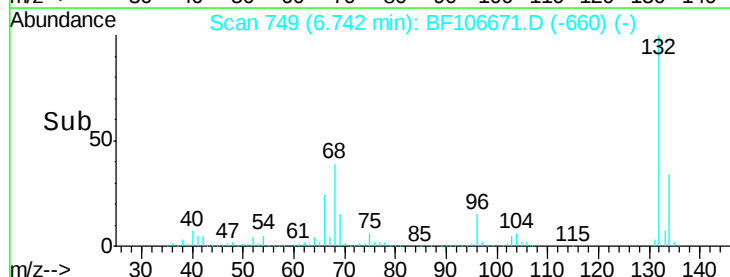
7.08

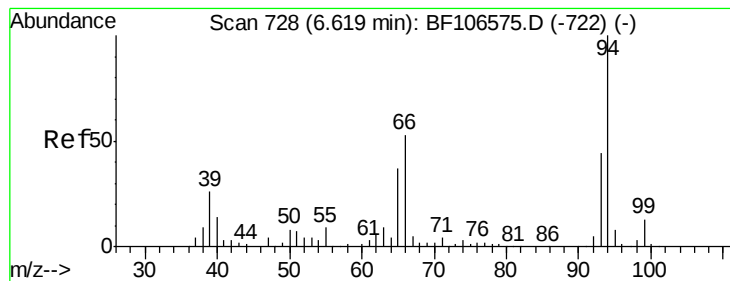
7.10

7.12

7.14

7.16





#10

Phenol

Concen: 2.045 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

Instrument :

BNA_F

ClientSampleId :

A-3(5.0)

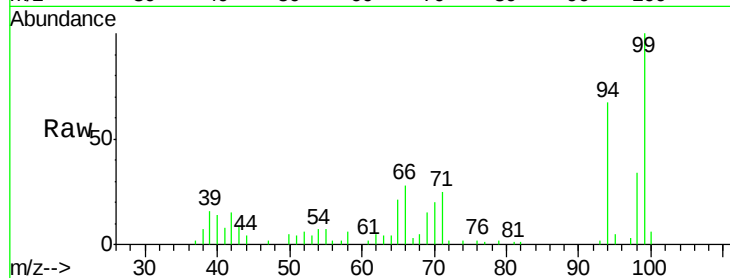
Tgt Ion: 94 Resp: 11419

Ion Ratio Lower Upper

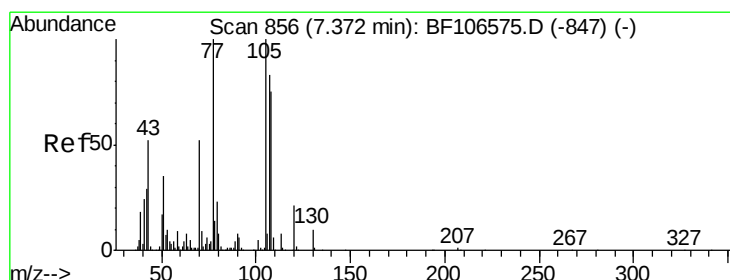
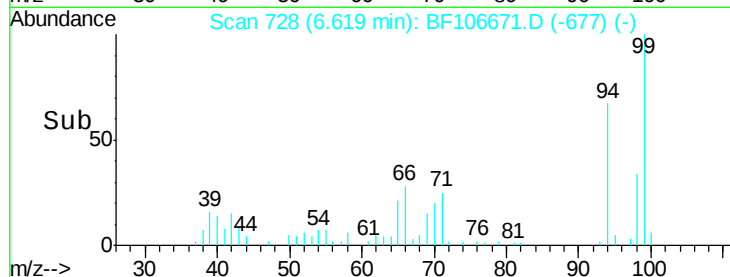
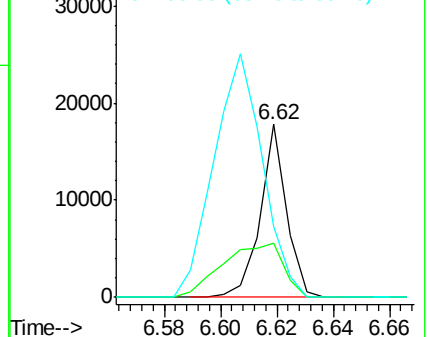
94 100

65 31.0 7.9 47.9

66 41.4 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: 16.251 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

Tgt Ion: 70 Resp: 52422

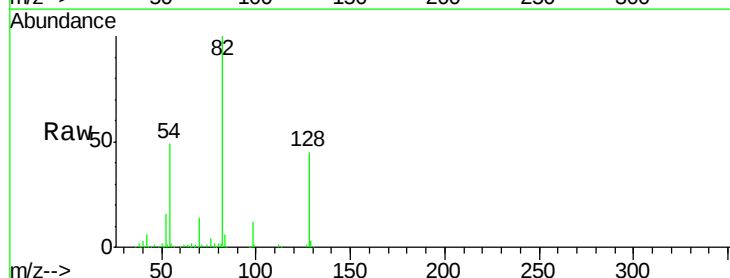
Ion Ratio Lower Upper

70 100

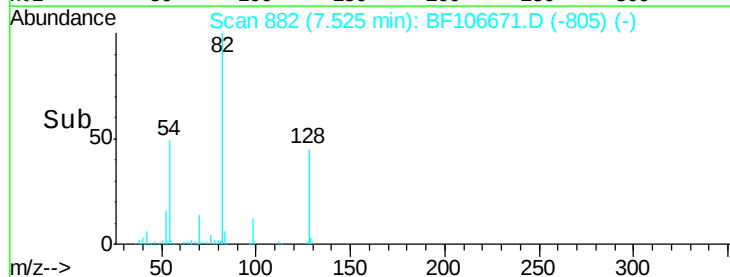
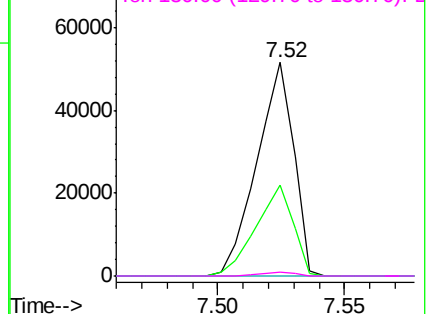
42 42.4 47.5 71.3#

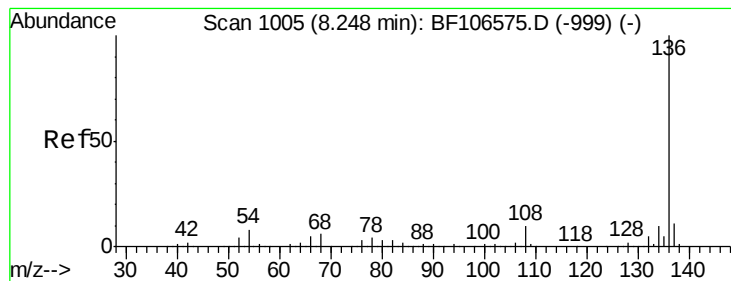
101 0.0 7.4 11.2#

130 2.0 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: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

Instrument :

BNA_F

ClientSampleId :

A-3(5.0)

Tgt Ion: 136 Resp: 253242

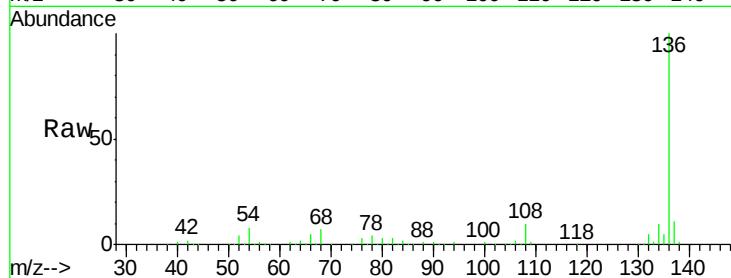
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.2 6.6 9.8

68 6.5 5.0 7.4

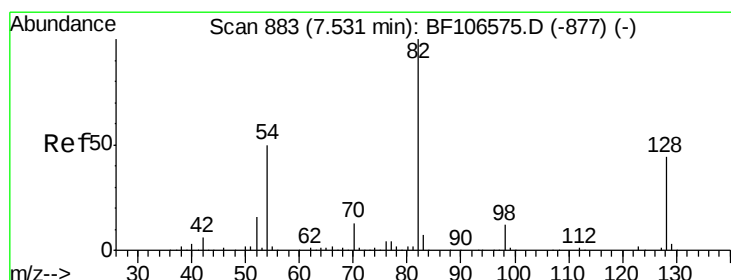
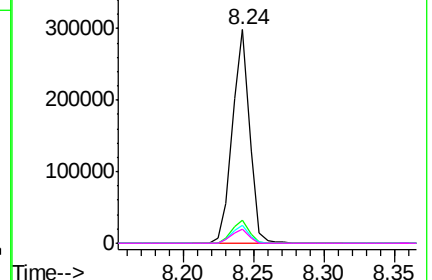
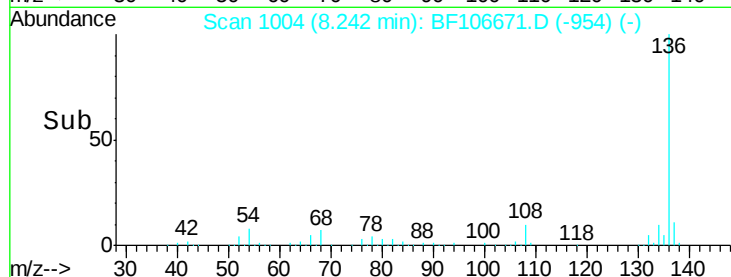


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 86.944 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

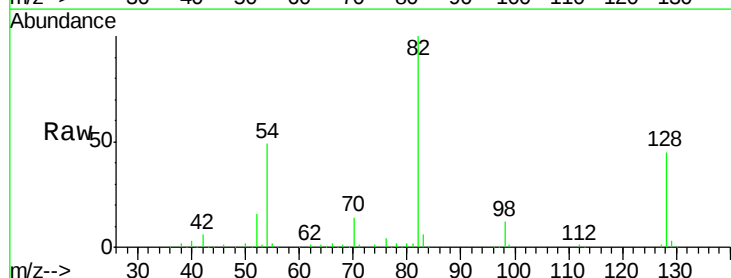
Tgt Ion: 82 Resp: 396193

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

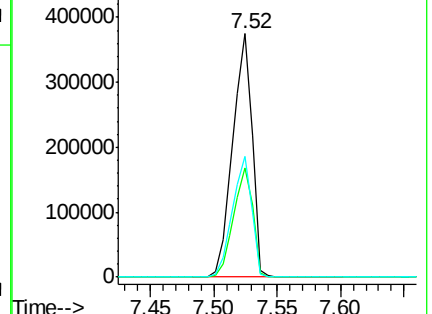
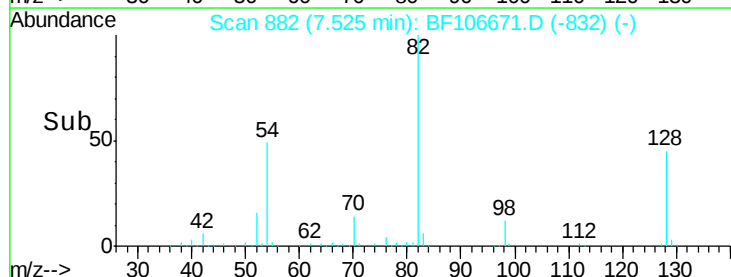
54 49.4 41.4 62.2

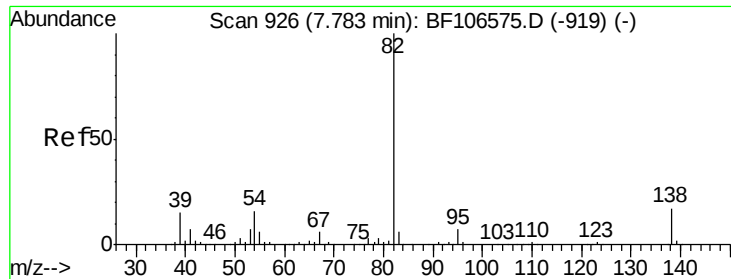


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

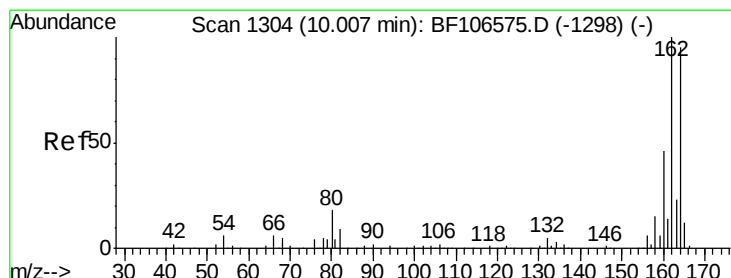
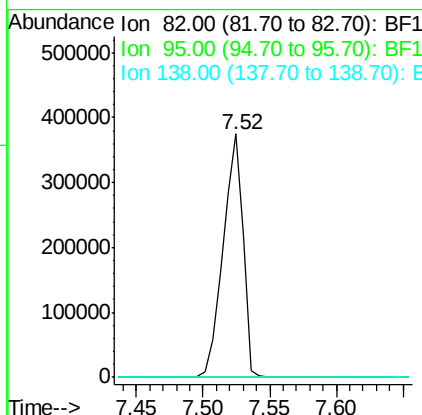
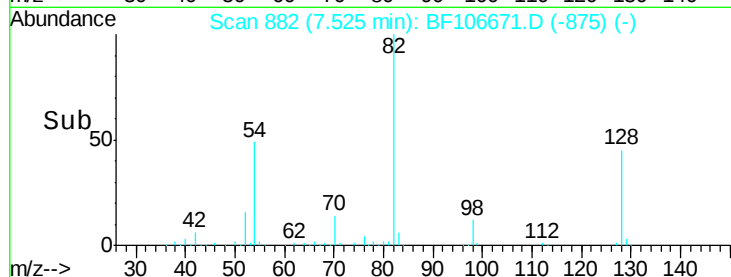
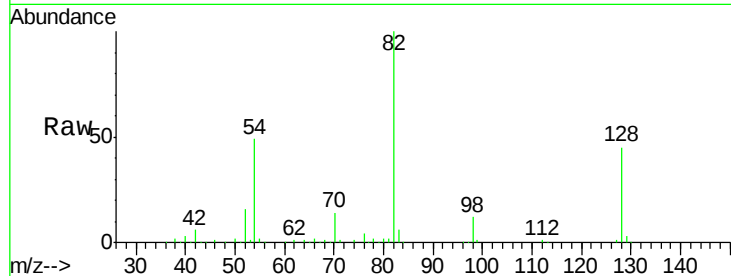




#25
Isophorone
Concen: 49.339 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

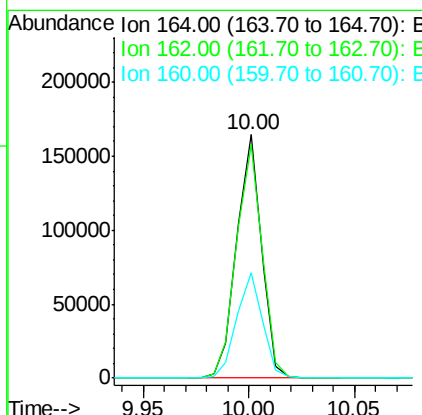
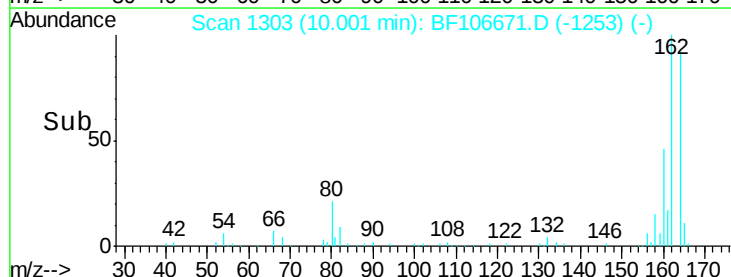
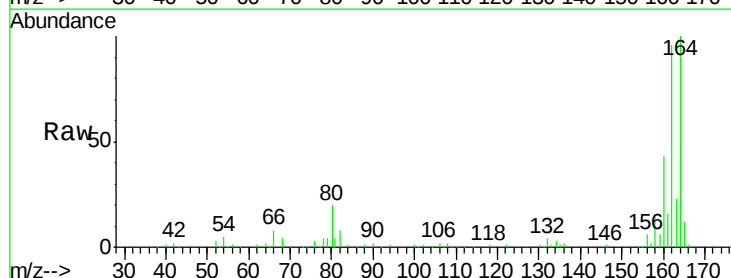
Instrument :
BNA_F
ClientSampleId :
A-3(5.0)

Tgt Ion: 82 Resp: 396187
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Tgt Ion: 164 Resp: 133333
Ion Ratio Lower Upper
164 100
162 95.7 86.1 129.1
160 43.4 38.3 57.5

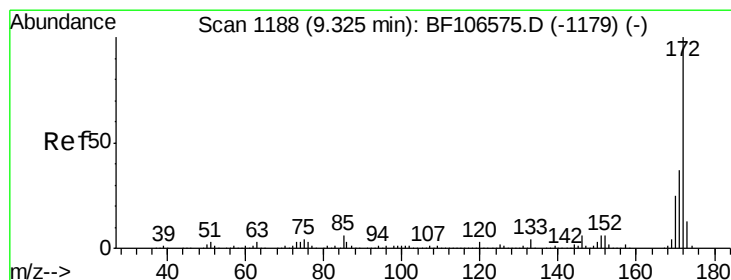
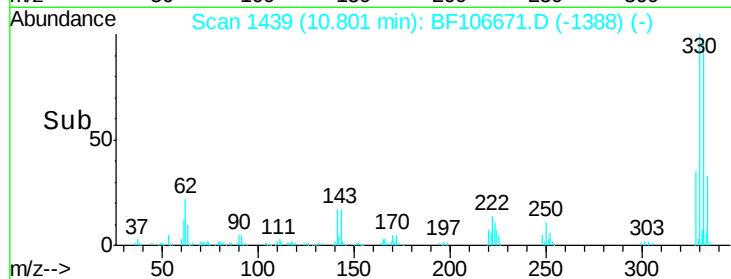
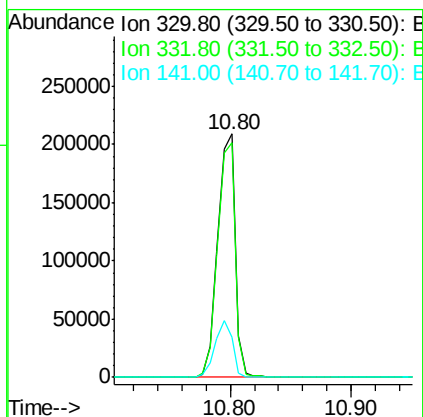
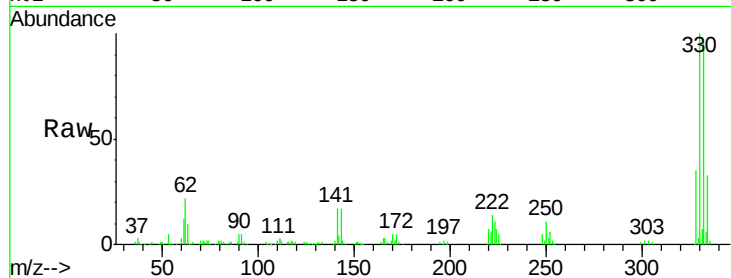




#41
 2,4,6-Tribromophenol
 Concen: 134.878 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106671.D
 Acq: 21 Jun 2018 20:01

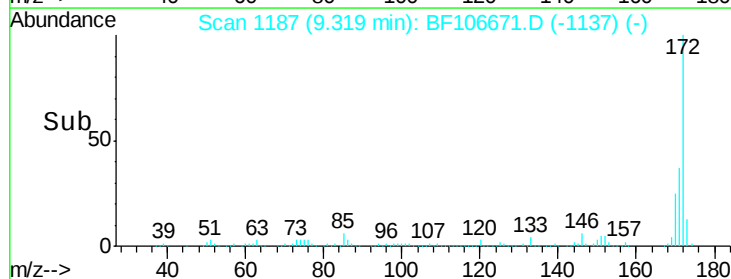
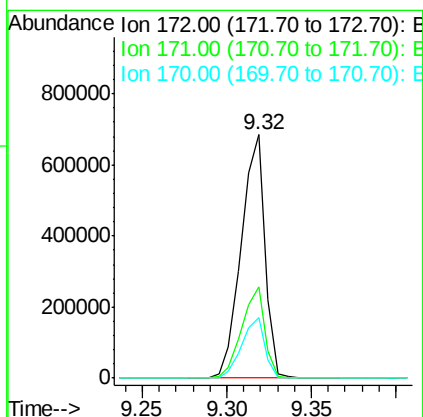
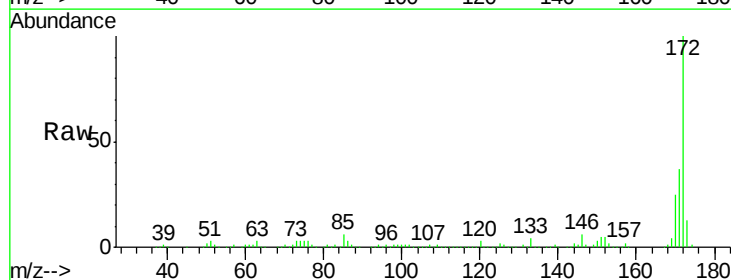
Instrument :
 BNA_F
 ClientSampleId :
 A-3(5.0)

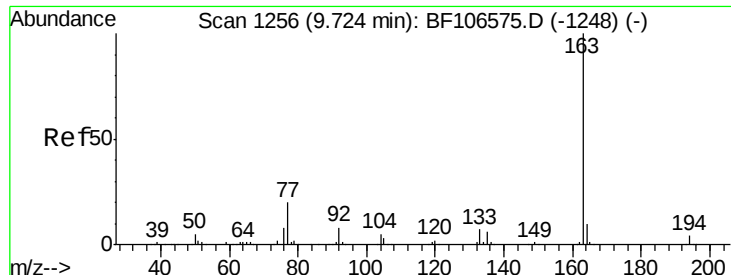
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	23.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 85.557 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106671.D
 Acq: 21 Jun 2018 20:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.6	19.6	29.4

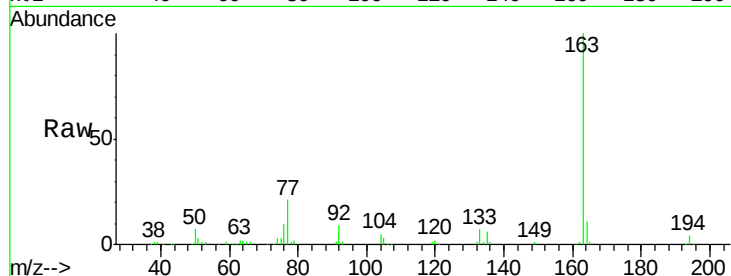




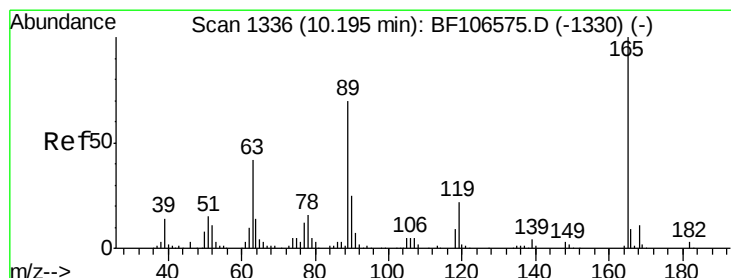
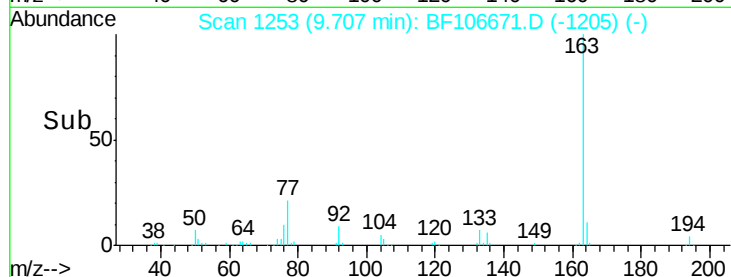
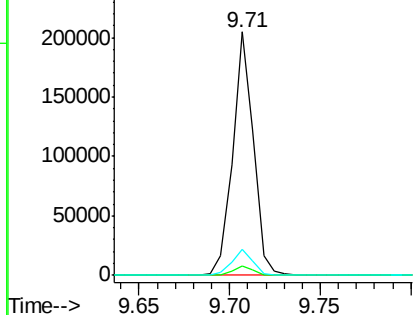
#49
Dimethylphthalate
Concen: 16.273 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Instrument :
BNA_F
ClientSampled :
A-3(5.0)

Tgt Ion:163 Resp: 162735
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.8 8.2 12.2

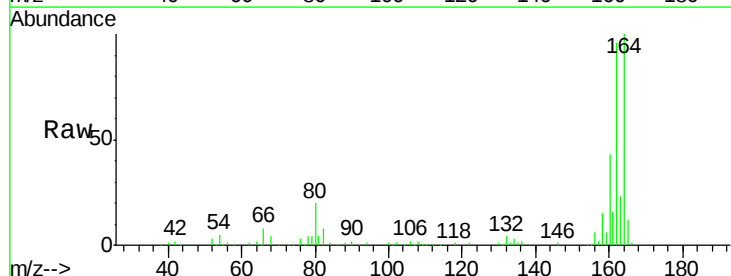


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

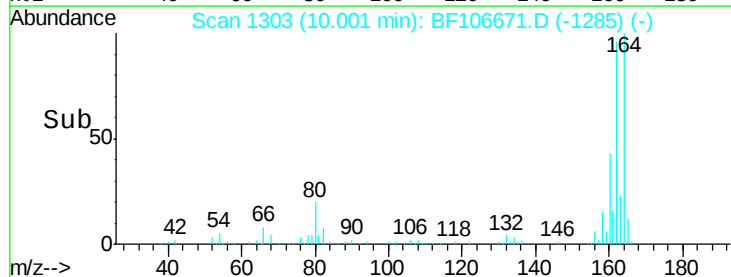
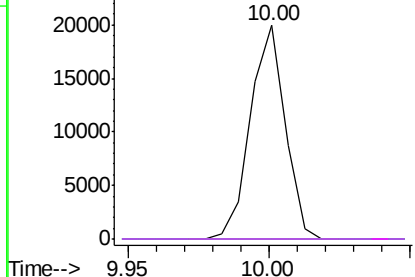


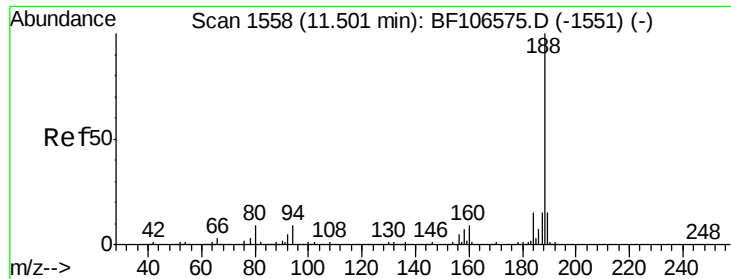
#56
2,4-Dinitrotoluene
Concen: 6.164 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Tgt Ion:165 Resp: 17036
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 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

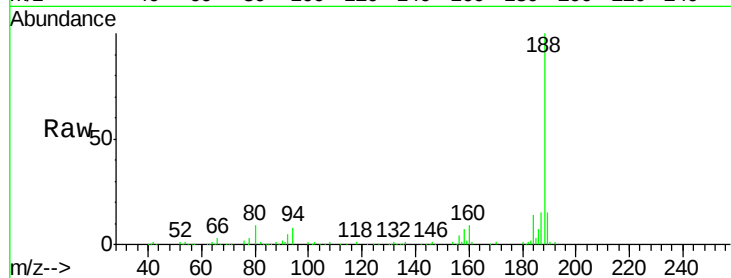




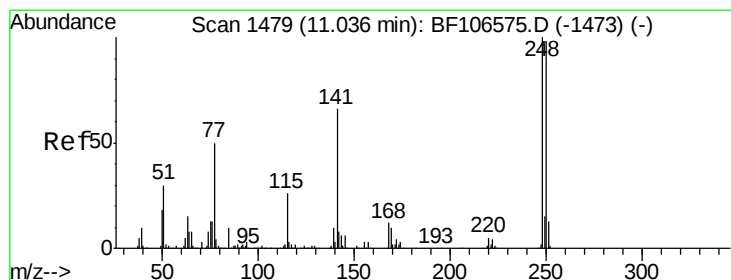
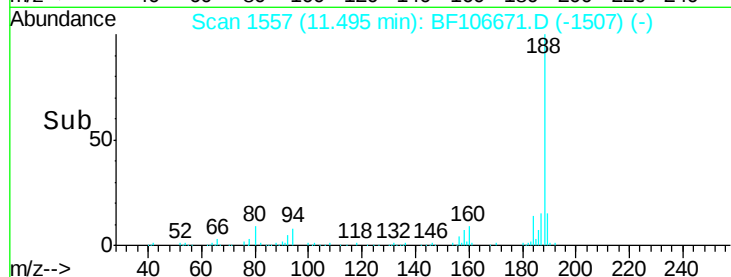
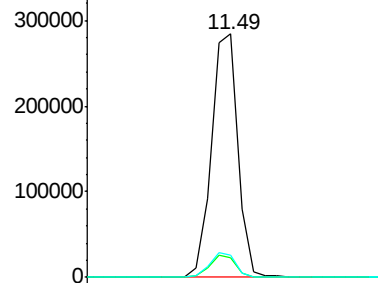
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Instrument :
BNA_F
ClientSampleId :
A-3(5.0)

Tgt Ion:188 Resp: 265902
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.9 9.2 13.8#

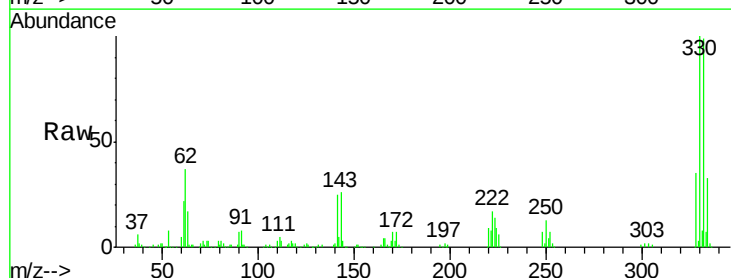


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

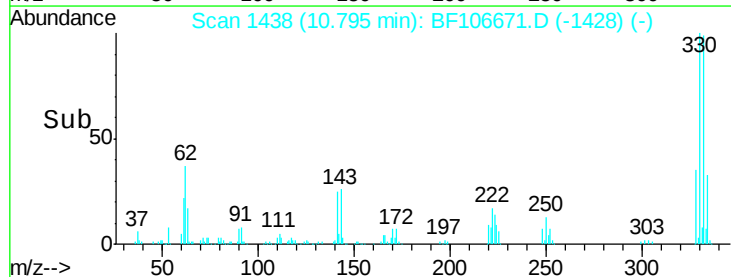
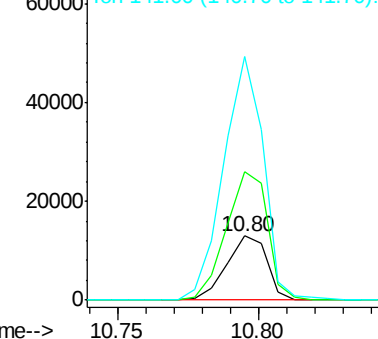


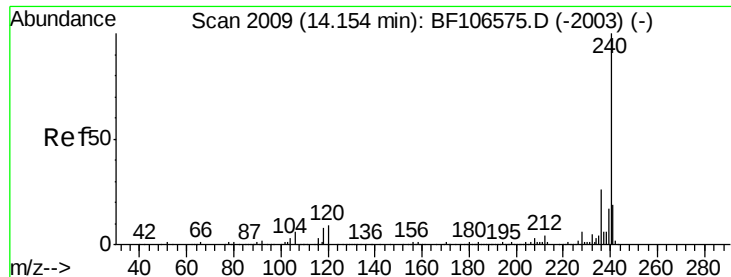
#66
4-Bromophenyl-phenylether
Concen: 4.054 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Tgt Ion:248 Resp: 12866
Ion Ratio Lower Upper
248 100
250 198.7 76.9 115.3#
141 378.2 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. -0.01 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

Instrument :

BNA_F

ClientSampleId :

A-3(5.0)

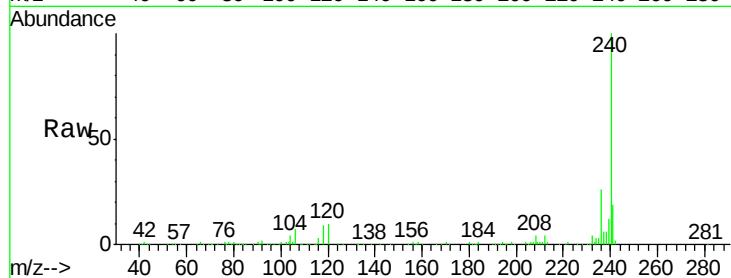
Tgt Ion:240 Resp: 184756

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

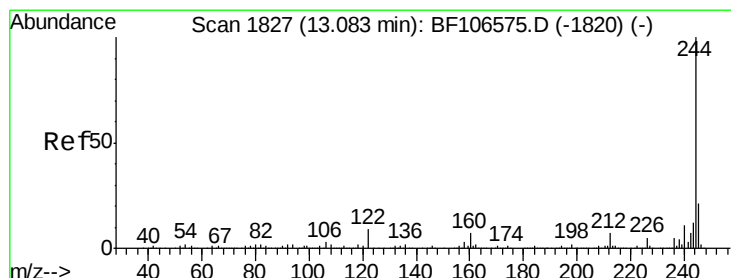
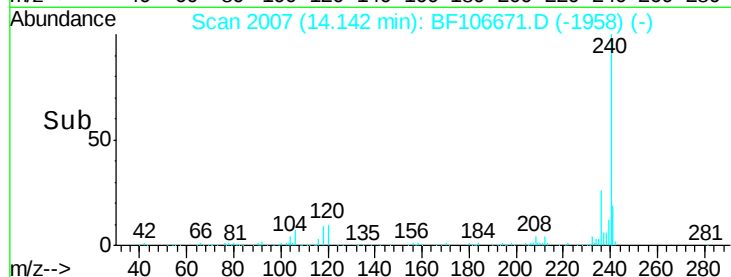
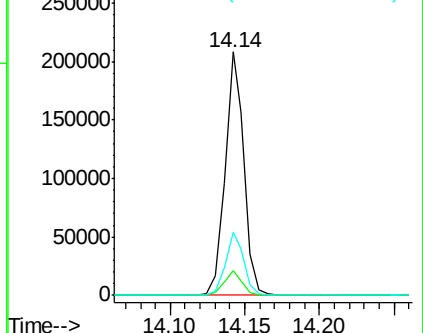
236 26.0 20.7 31.1



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: 99.037 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106671.D

Acq: 21 Jun 2018 20:01

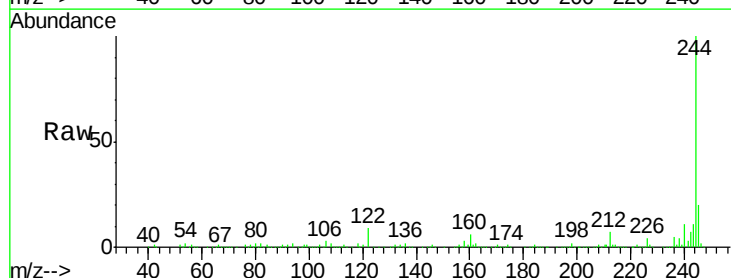
Tgt Ion:244 Resp: 755386

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

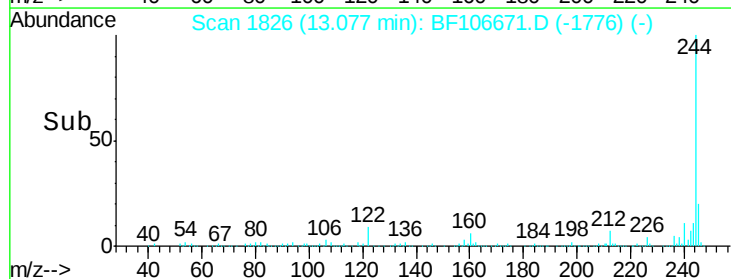
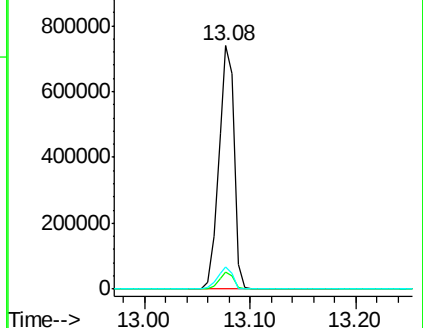
122 9.0 11.0 16.4#

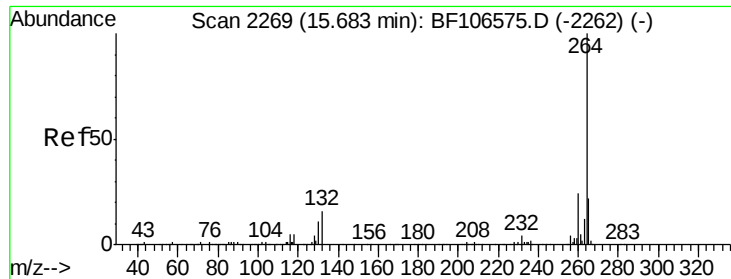


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2269
Delta R.T. 0.00 min
Lab File: BF106671.D
Acq: 21 Jun 2018 20:01

Instrument :
BNA_F
ClientSampleId :
A-3(5.0)

Tgt Ion:	264	Resp:	194537
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.5	26.3

