

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097554.D
 Acq On : 10 Aug 2017 11:10
 Operator : SJ/JU
 Sample : I4629-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

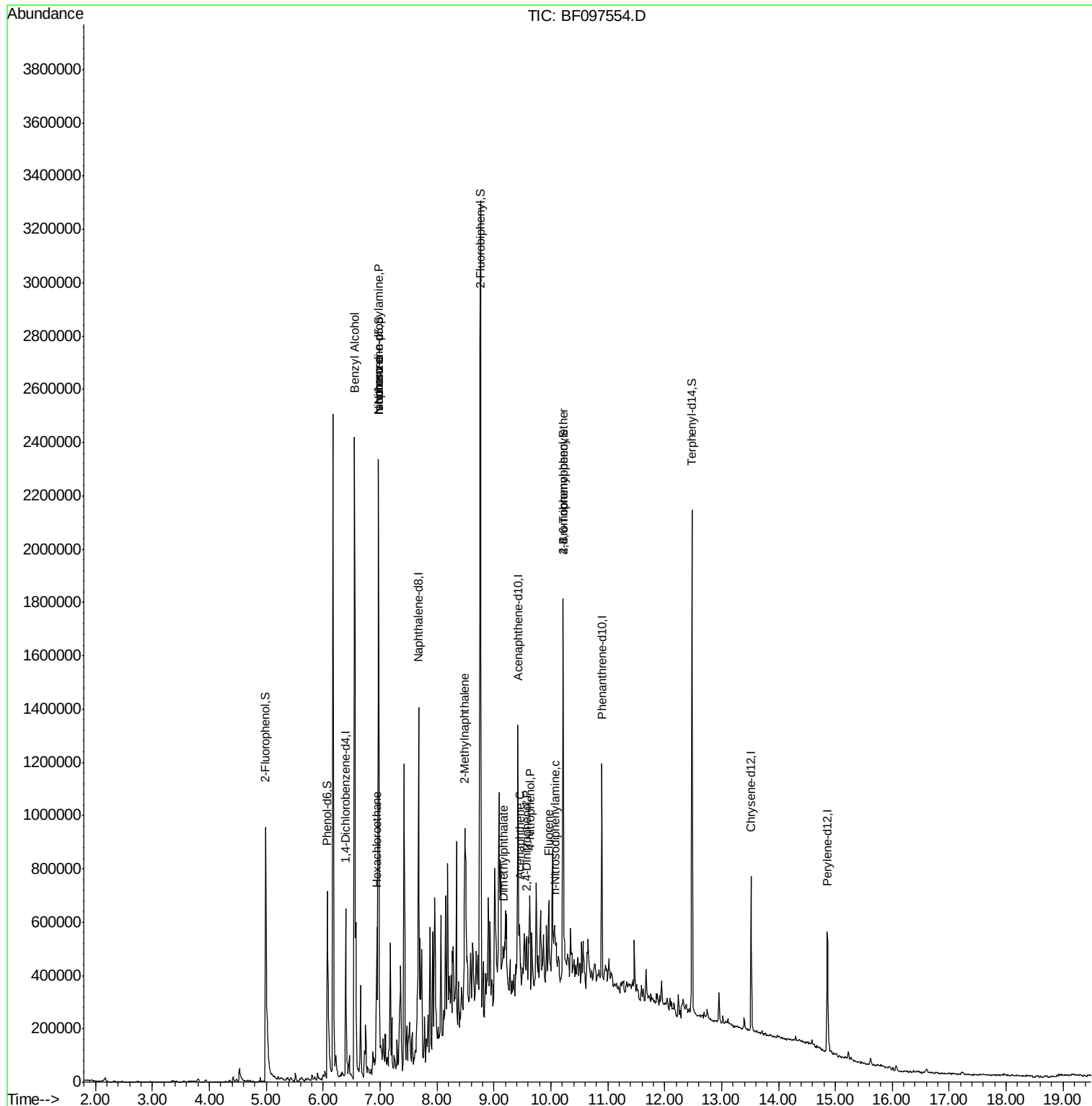
Quant Time: Aug 10 13:27:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

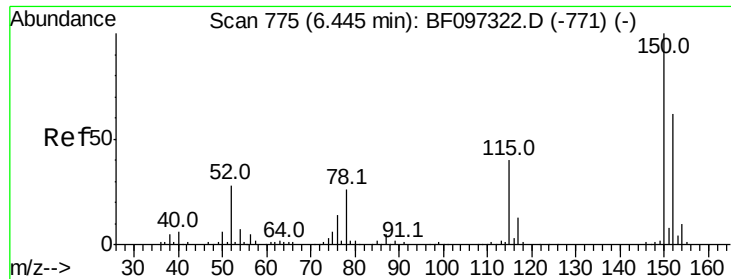
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	110250	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	425611	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	183826	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	263192	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	197650	20.00	ng	-0.02
86) Perylene-d12	14.86	264	173336	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	473677	64.77	ng	-0.01
7) Phenol-d6	6.07	99	376285	45.07	ng	-0.01
23) Nitrobenzene-d5	6.97	82	720001	99.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	192098	132.26	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	1091282	100.75	ng	-0.01
78) Terphenyl-d14	12.48	244	621551	64.12	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.55	79	12381	2.342	ng	# 31
18) Hexachloroethane	6.93	117	57008	18.658	ng	# 25
19) n-Nitroso-di-n-propylamine	6.97	70	93465	17.007	ng	# 86
25) Isophorone	6.97	82	720001	50.675	ng	# 67
37) 2-Methylnaphthalene	8.49	142	157980	12.437	ng	# 95
49) Dimethylphthalate	9.16	163	28531	2.044	ng	# 71
51) Acenaphthene	9.46	154	29763	2.849	ng	# 99
53) 2,4-Dinitrophenol	9.58	184	3689	2.740	ng	# 80
55) 4-Nitrophenol	9.63	139	15088	6.904	ng	# 73
57) Fluorene	9.97	166	46771	4.472	ng	# 99
65) n-Nitrosodiphenylamine	10.09	169	18797	2.053	ng	# 63
66) 4-Bromophenyl-phenylether	10.22	248	12461	4.744	ng	# 1

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

```
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ALS Vial  : 32      Sample Multiplier: 1
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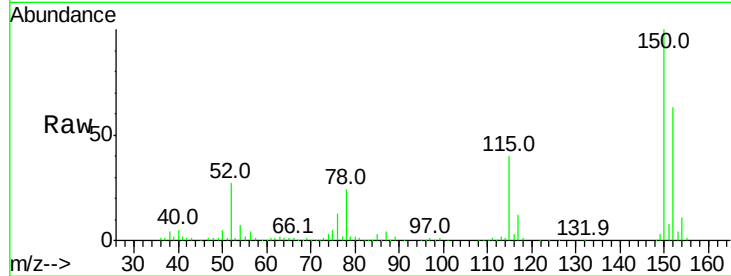


#1

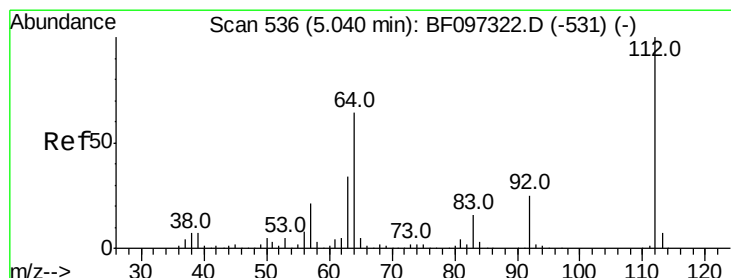
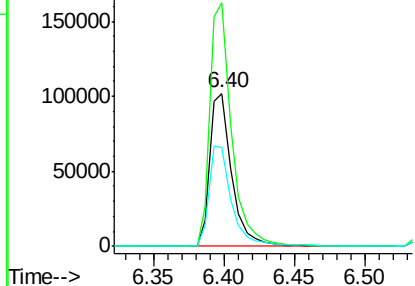
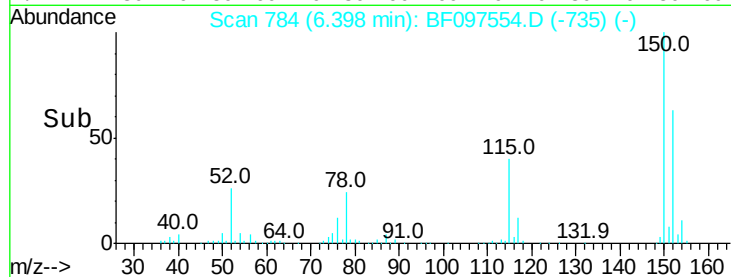
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097554.D
Acq: 10 Aug 2017 11:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110250
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 64.3 52.2 78.2



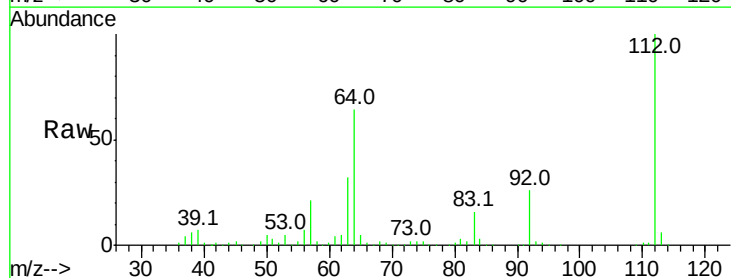
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



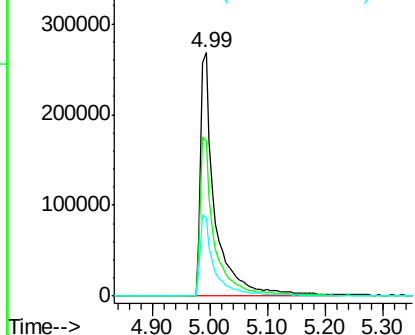
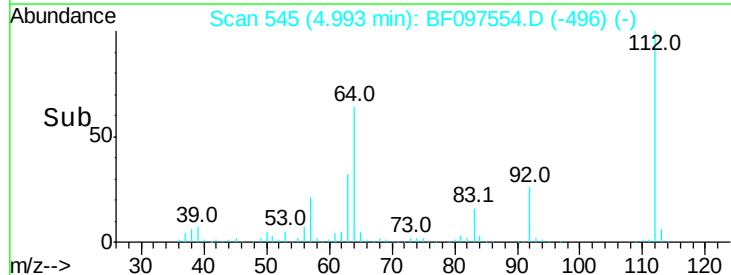
#5

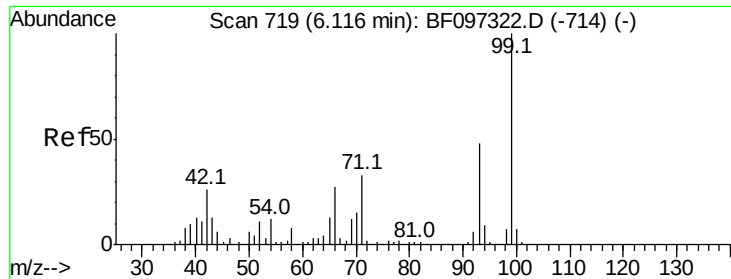
2-Fluorophenol
Concen: 64.768 ng
RT: 4.99 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097554.D
Acq: 10 Aug 2017 11:10

Tgt Ion:112 Resp: 473677
Ion Ratio Lower Upper
112 100
64 63.7 46.0 69.0
63 32.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.068 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampleId :

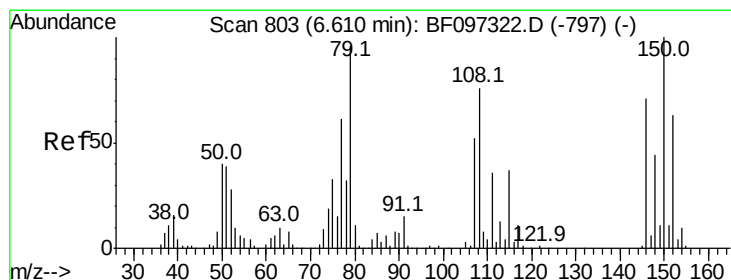
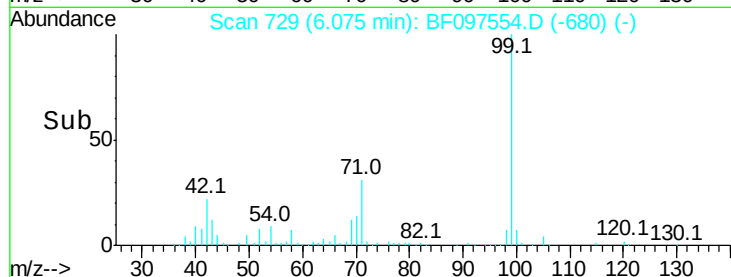
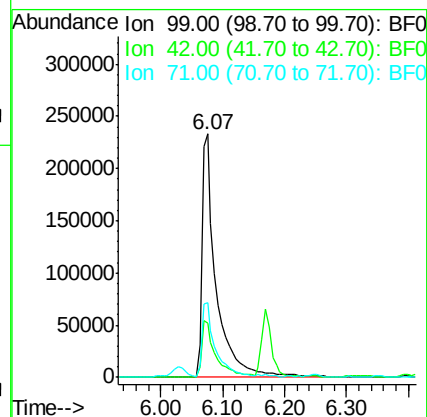
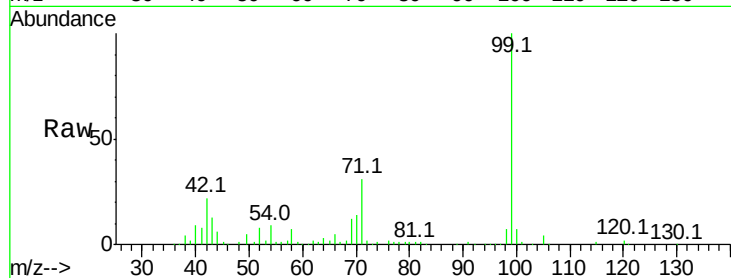
Tot Ion: 99 Resp: 376285

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

71 30.8 24.5 36.7



#15

Benzyl Alcohol

Concen: 2.342 ng

RT: 6.55 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

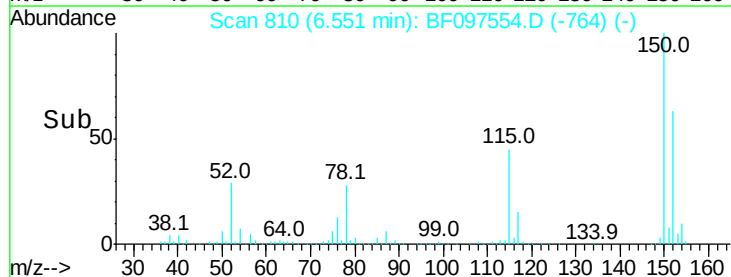
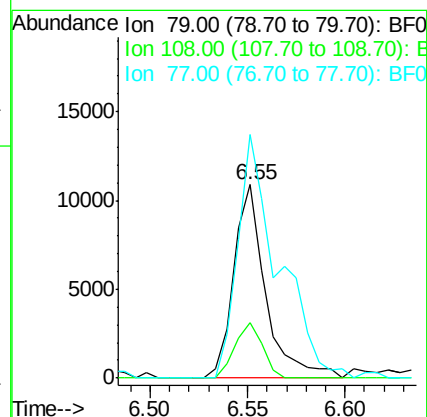
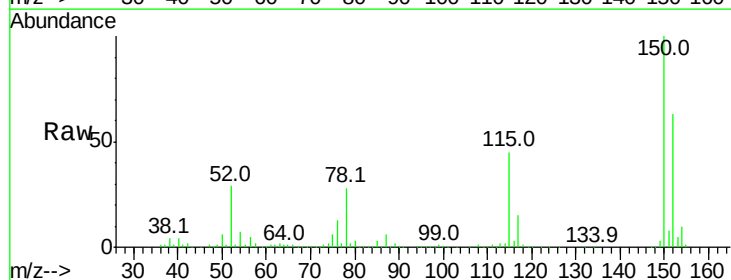
Tgt Ion: 79 Resp: 12381

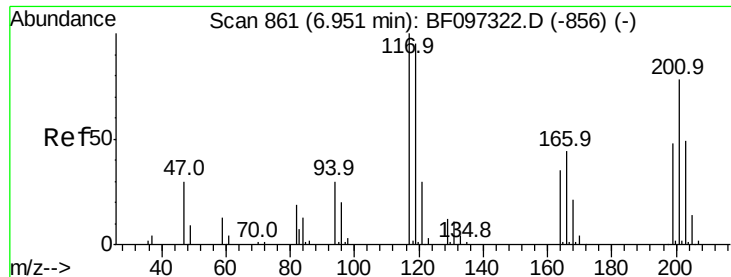
Ion Ratio Lower Upper

79 100

108 28.9 63.4 95.0#

77 126.1 49.2 73.8#





#18

Hexachloroethane

Concen: 18.658 ng

RT: 6.93 min Scan# 875

Delta R.T. 0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampled :

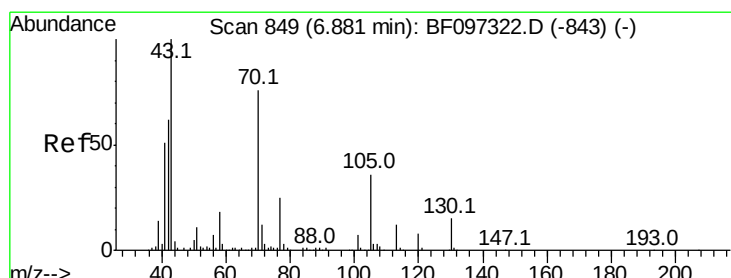
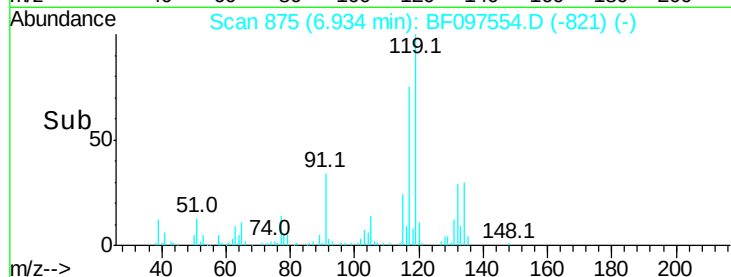
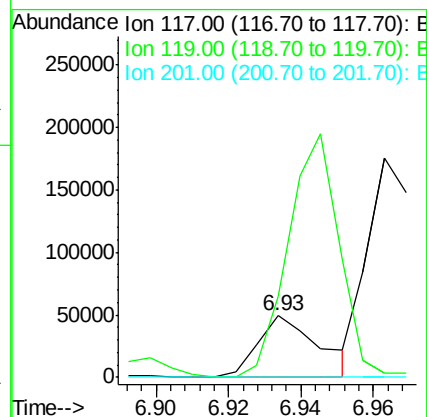
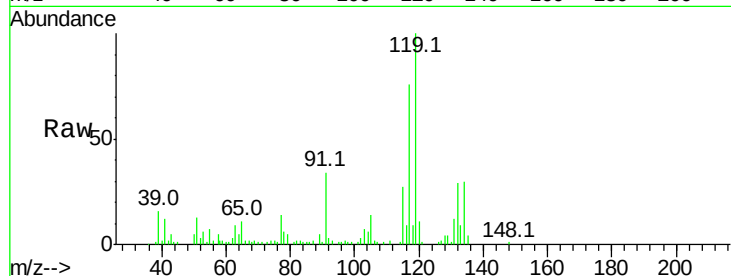
Tot Ion:117 Resp: 57008

Ion Ratio Lower Upper

117 100

119 131.4 77.4 116.0#

201 0.0 94.6 141.8#



#19

n-Nitroso-di-n-propylamine

Concen: 17.007 ng

RT: 6.97 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Tgt Ion: 70 Resp: 93465

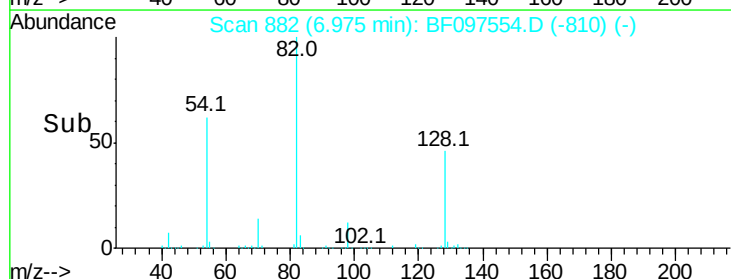
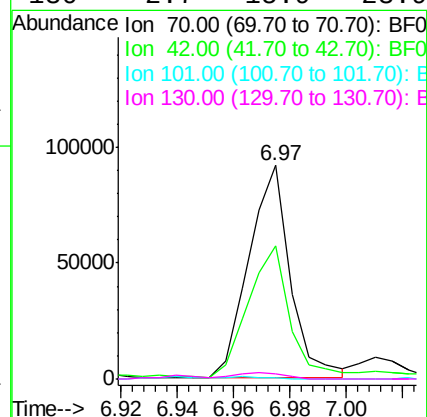
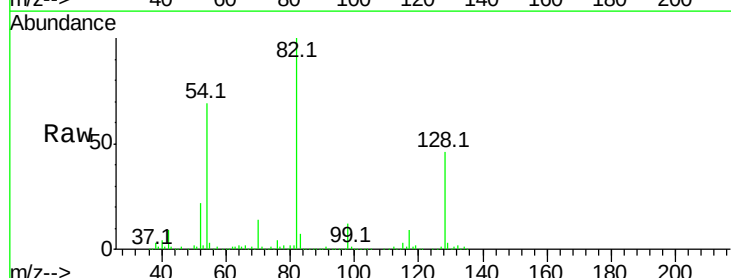
Ion Ratio Lower Upper

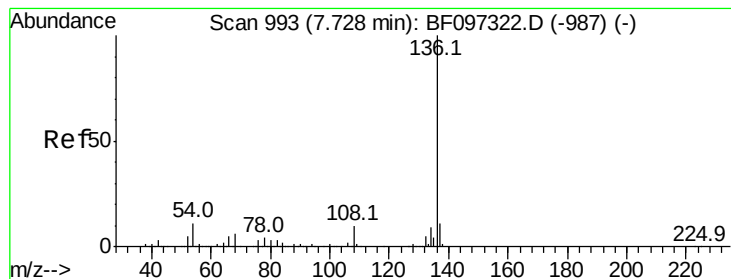
70 100

42 62.4 47.2 70.8

101 0.4 7.2 10.8#

130 2.7 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 425611

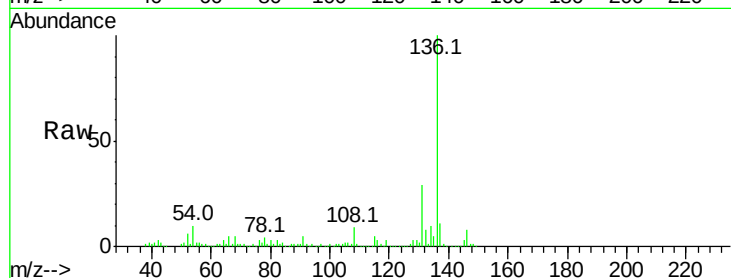
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.1 4.9 7.3#

68 5.1 4.1 6.1

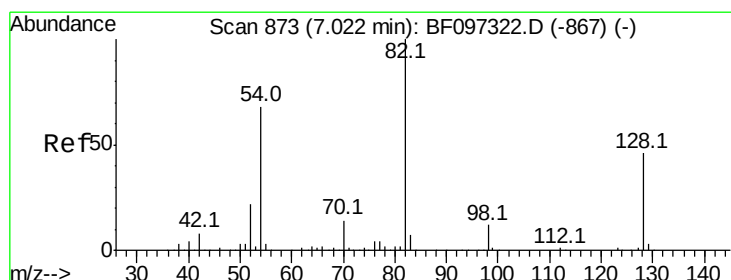
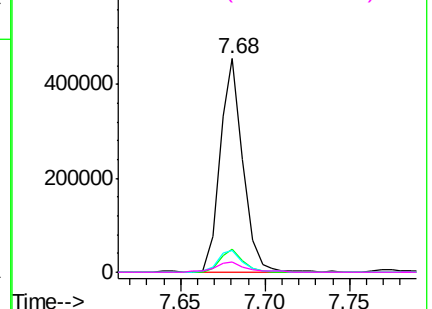
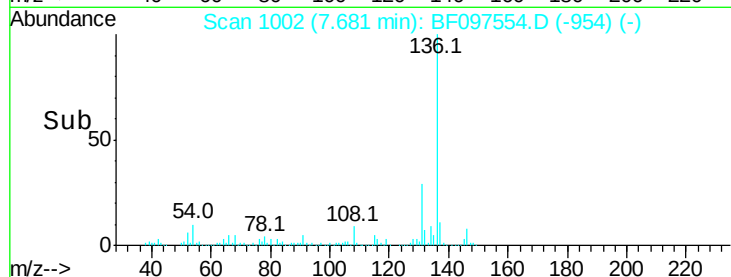


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 99.241 ng

RT: 6.97 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

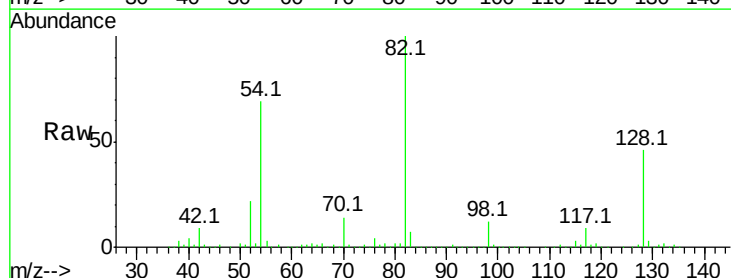
Tgt Ion: 82 Resp: 720001

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

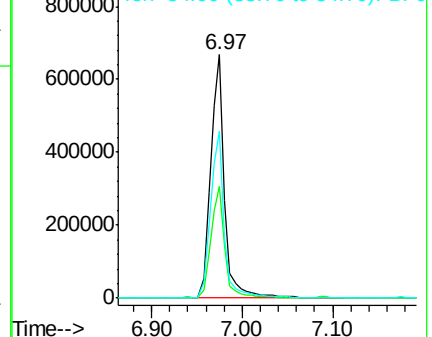
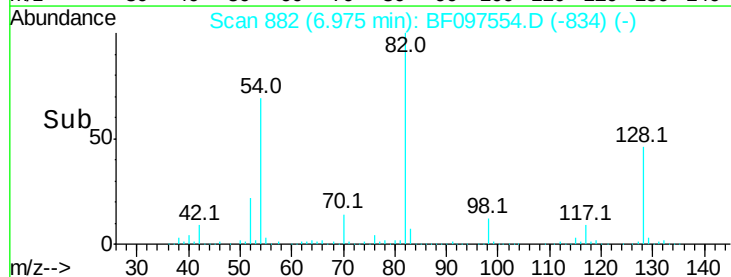
54 68.7 42.2 63.2#

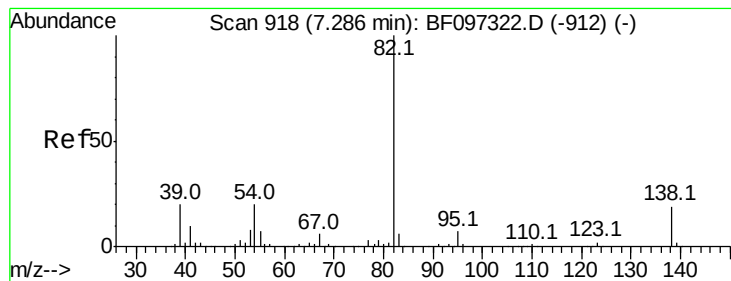


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 50.675 ng

RT: 6.97 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampled :

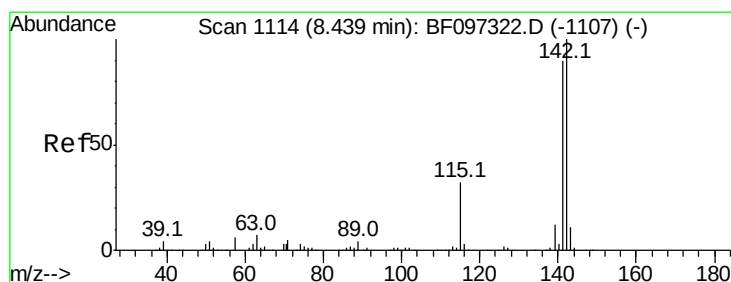
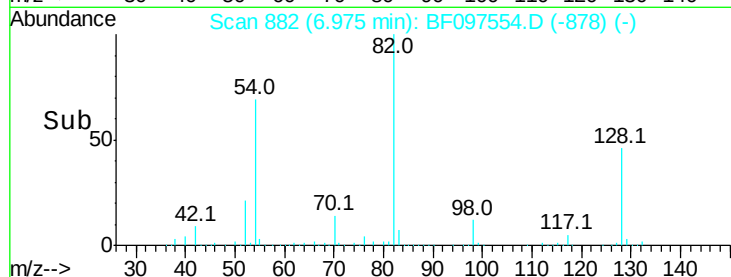
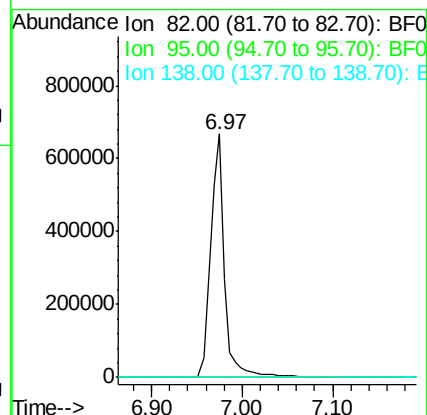
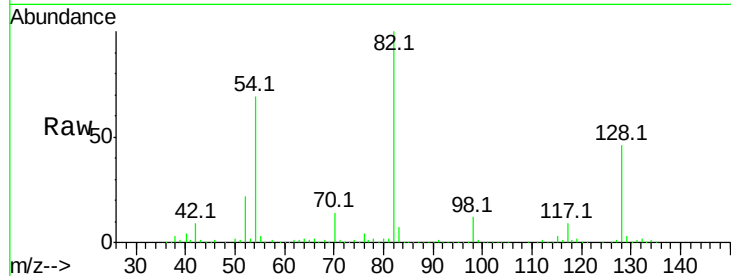
Tot Ion: 82 Resp: 720001

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#37

2-Methylnaphthalene

Concen: 12.437 ng

RT: 8.49 min Scan# 1139

Delta R.T. 0.08 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

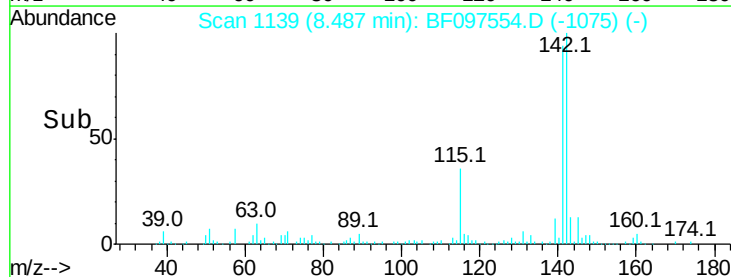
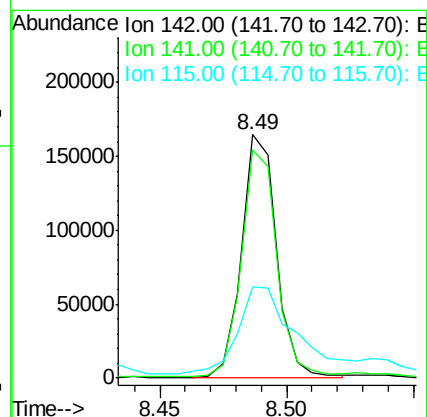
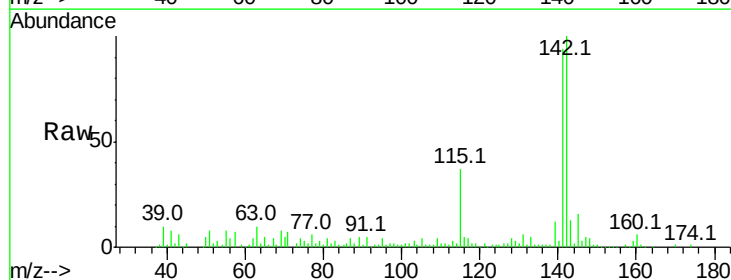
Tgt Ion:142 Resp: 157980

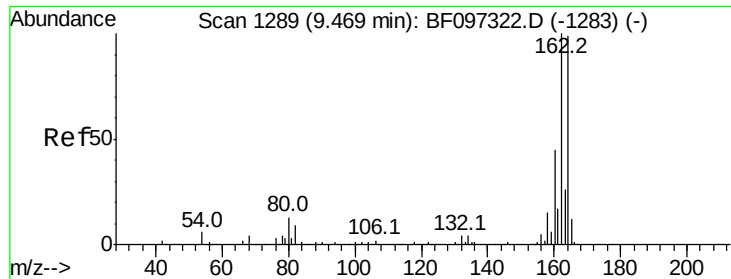
Ion Ratio Lower Upper

142 100

141 94.0 71.3 106.9

115 37.4 27.1 40.7

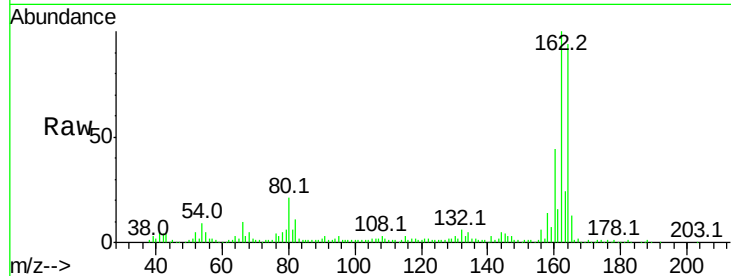




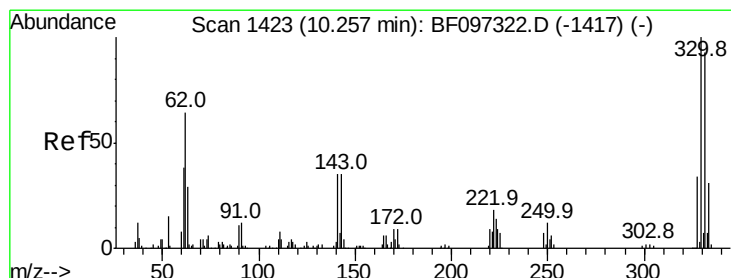
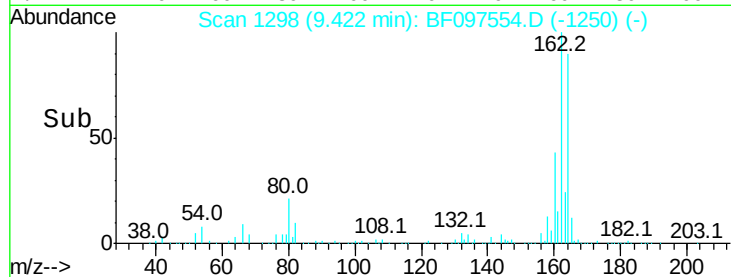
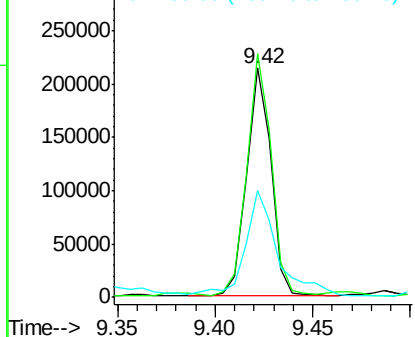
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF097554.D
 Acq: 10 Aug 2017 11:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 183826
 Ion Ratio Lower Upper
 164 100
 162 106.2 82.6 123.8
 160 46.3 36.2 54.2

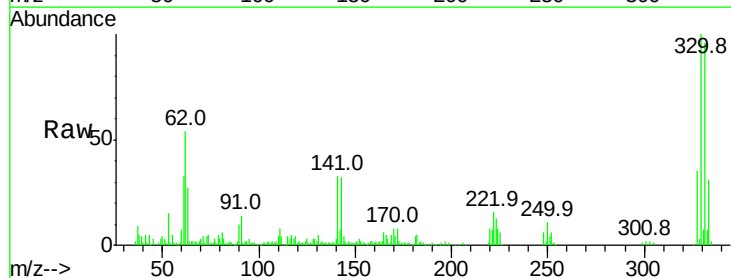


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

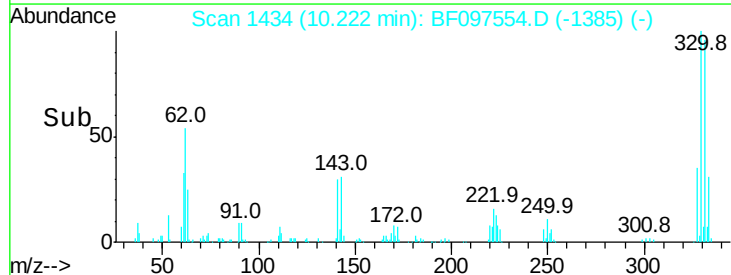
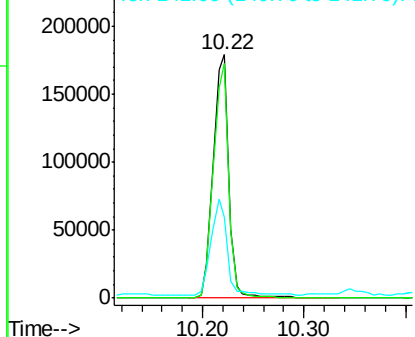


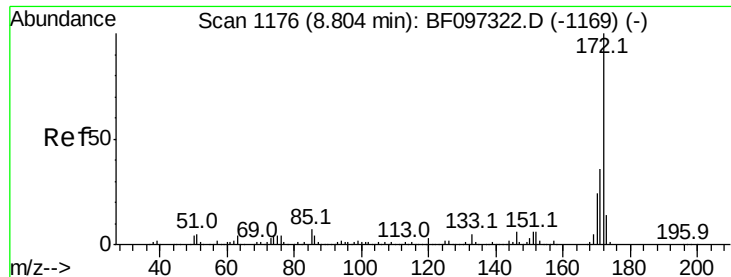
#41
 2,4,6-Tribromophenol
 Concen: 132.262 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097554.D
 Acq: 10 Aug 2017 11:10

Tgt Ion:330 Resp: 192098
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 41.8 31.4 47.2



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

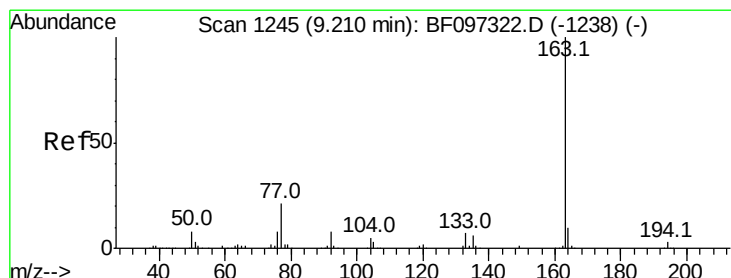
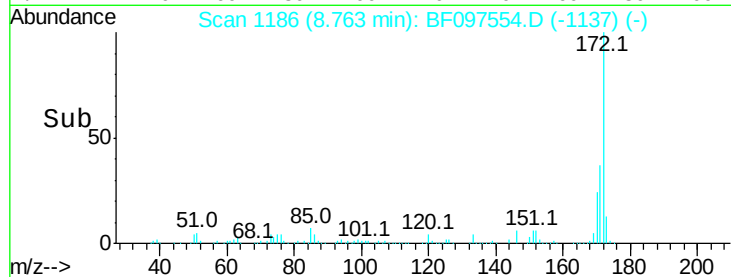
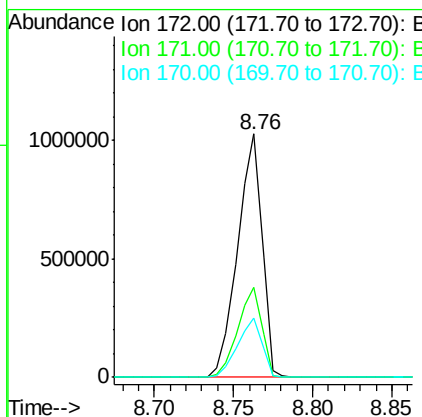
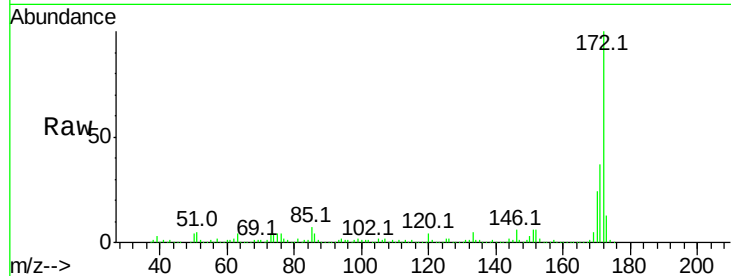




#44
2-Fluorobiphenyl
Concen: 100.748 ng
RT: 8.76 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF097554.D
Acq: 10 Aug 2017 11:10

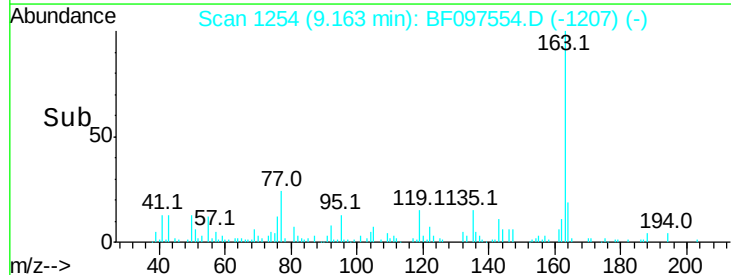
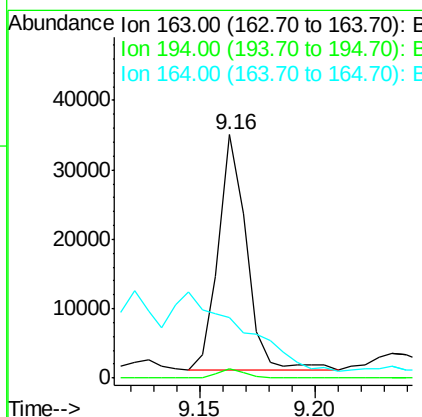
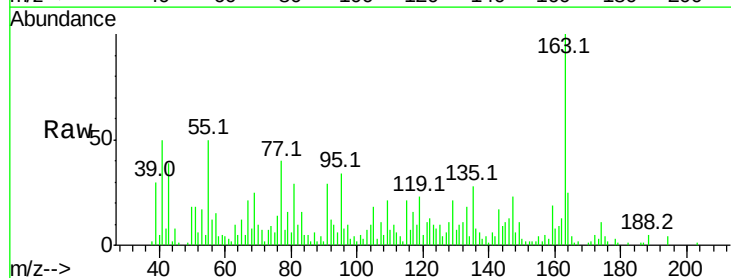
Instrument :
BNA_F
ClientSampleId :

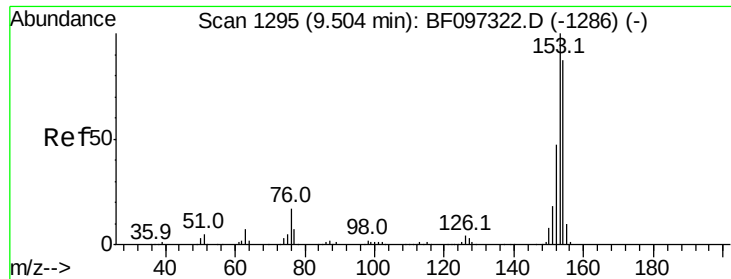
Tot Ion:172 Resp: 1091282
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.2 19.8 29.8



#49
Dimethylphthalate
Concen: 2.044 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097554.D
Acq: 10 Aug 2017 11:10

Tgt Ion:163 Resp: 28531
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 24.8 8.4 12.6#





#51

Acenaphthene

Concen: 2.849 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampleId :

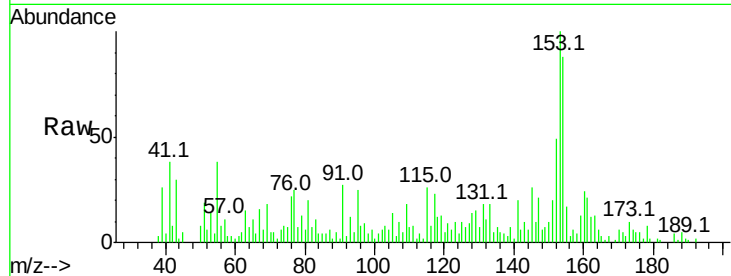
Tot Ion:154 Resp: 29763

Ion Ratio Lower Upper

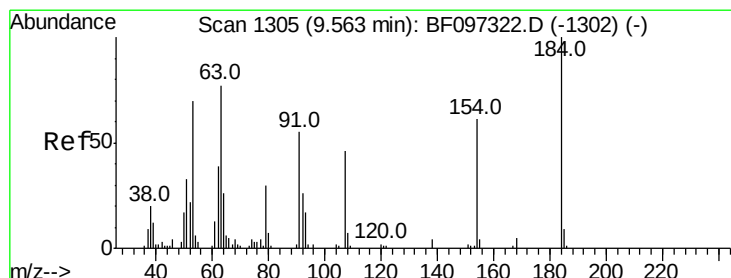
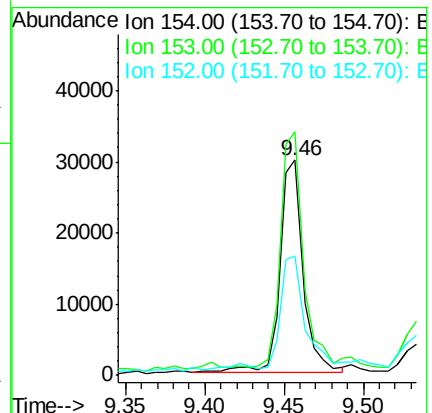
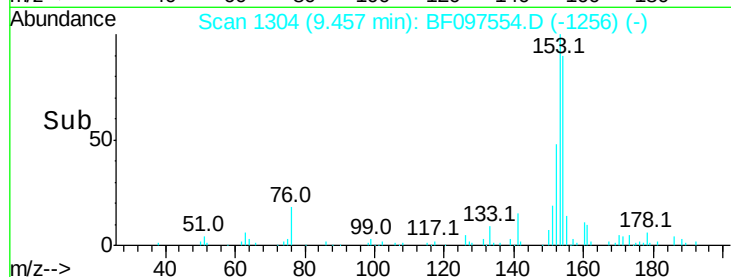
154 100

153 113.3 90.5 135.7

152 55.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 2.740 ng

RT: 9.58 min Scan# 1325

Delta R.T. 0.04 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

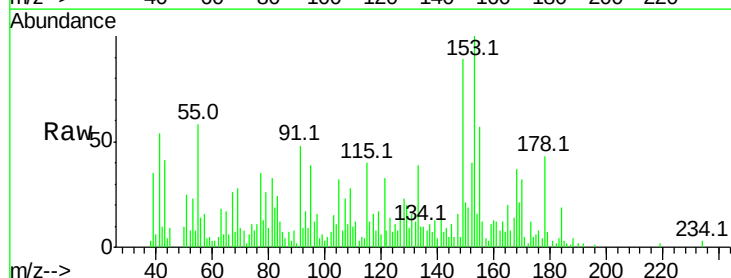
Tgt Ion:184 Resp: 3689

Ion Ratio Lower Upper

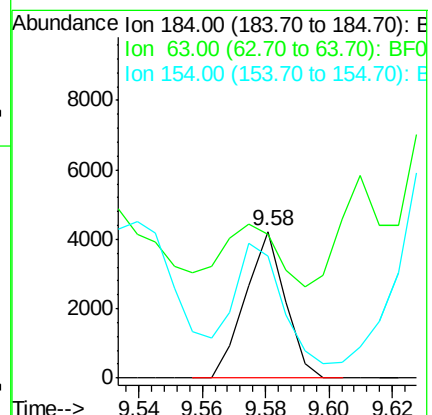
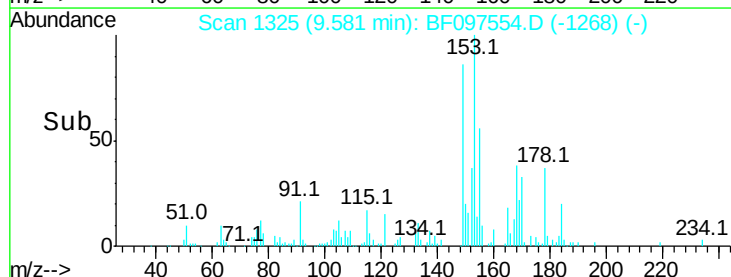
184 100

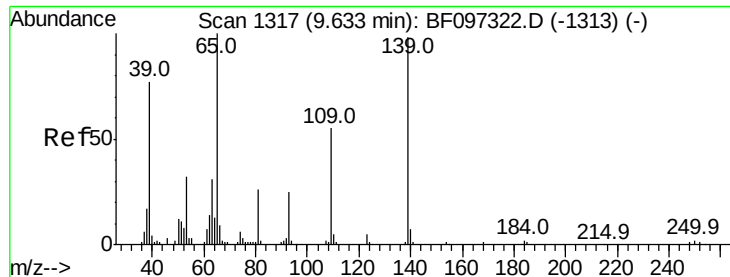
63 97.9 62.7 94.1#

154 83.4 81.1 121.7



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

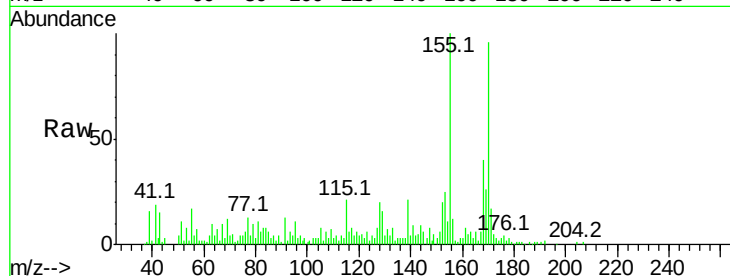




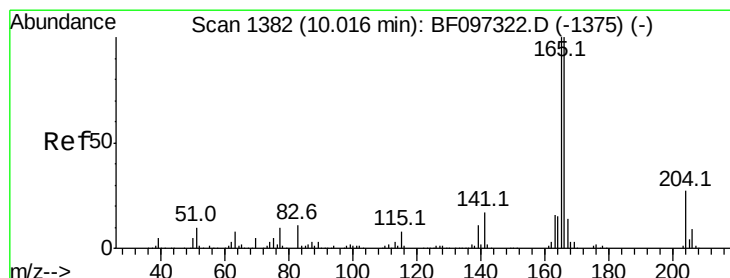
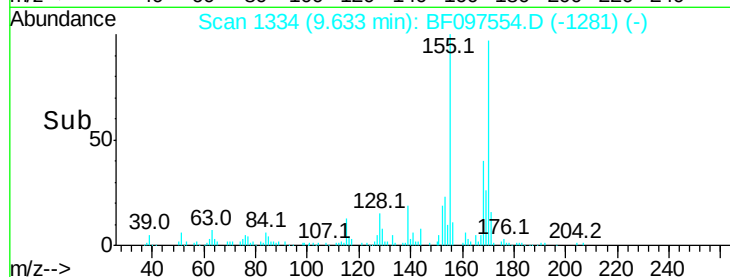
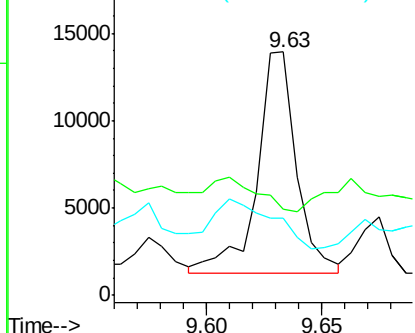
#55
4-Nitrophenol
Concen: 6.904 ng
RT: 9.63 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF097554.D
Acq: 10 Aug 2017 11:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 15088
Ion Ratio Lower Upper
139 100
109 35.5 34.1 74.1
65 31.8 31.4 71.4

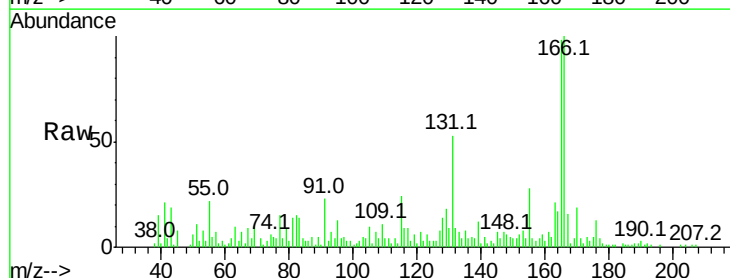


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

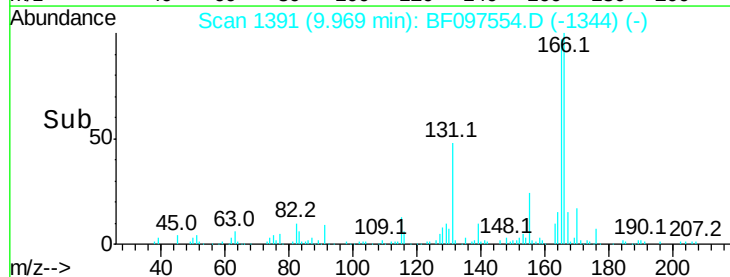
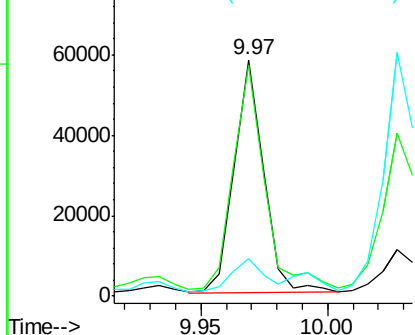


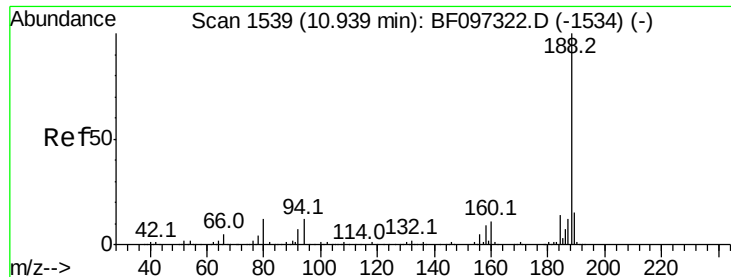
#57
Fluorene
Concen: 4.472 ng
RT: 9.97 min Scan# 1391
Delta R.T. -0.02 min
Lab File: BF097554.D
Acq: 10 Aug 2017 11:10

Tgt Ion:166 Resp: 46771
Ion Ratio Lower Upper
166 100
165 97.9 78.8 118.2
167 16.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.90 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampleId :

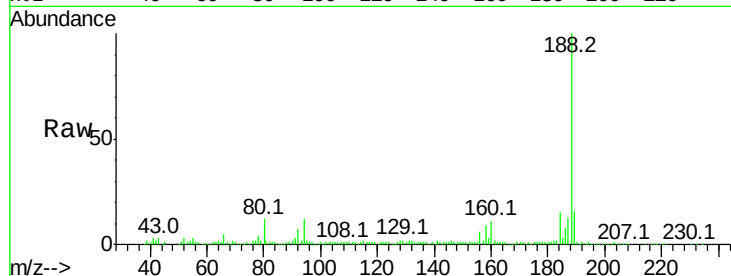
Tot Ion:188 Resp: 263192

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

80 12.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

10.90

400000

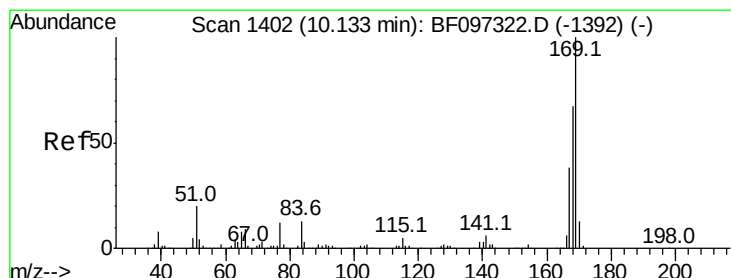
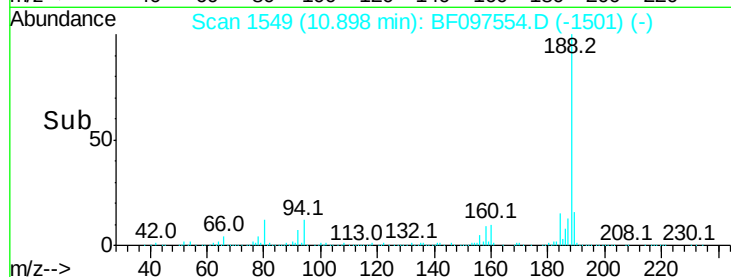
300000

200000

100000

0

Time-->



#65

n-Nitrosodiphenylamine

Concen: 2.053 ng

RT: 10.09 min Scan# 1411

Delta R.T. -0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

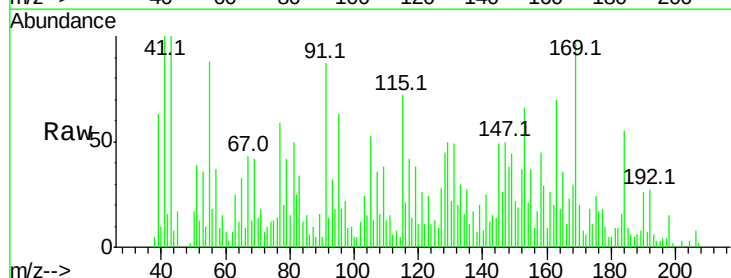
Tgt Ion:169 Resp: 18797

Ion Ratio Lower Upper

169 100

168 31.0 53.2 79.8#

167 23.3 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

120000

100000

80000

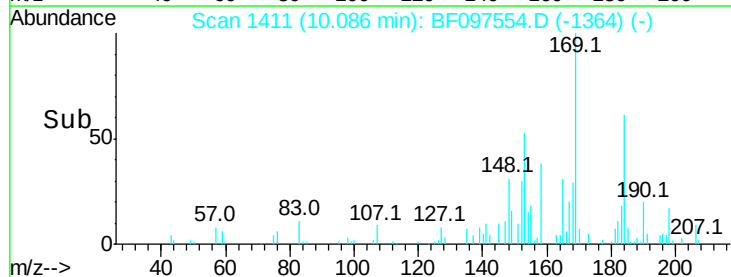
60000

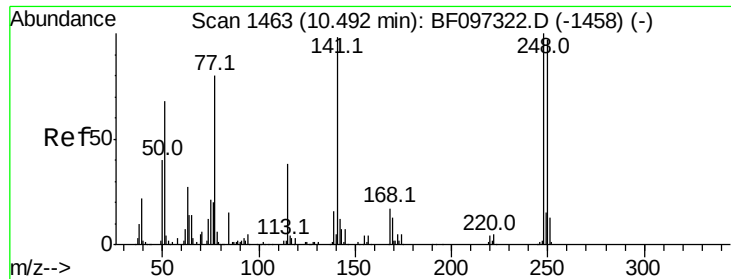
40000

20000

0

Time-->

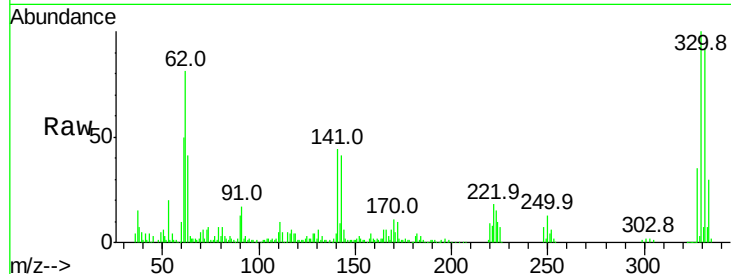




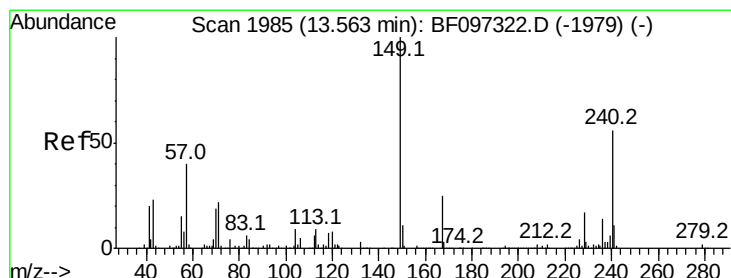
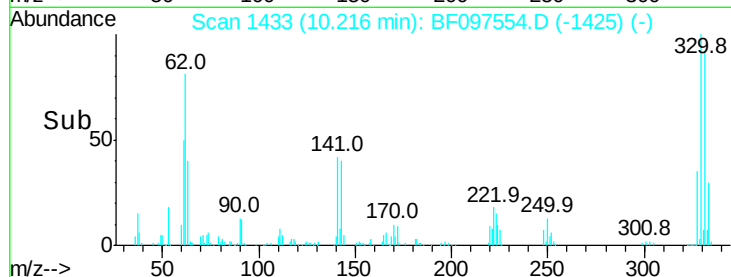
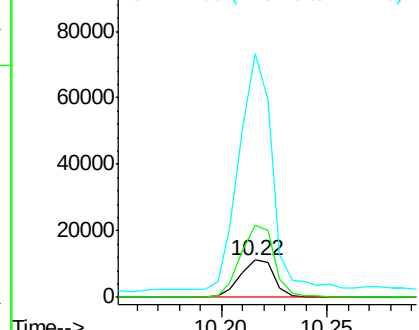
#66
 4-Bromophenyl-phenylether
 Concen: 4.744 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF097554.D
 Acq: 10 Aug 2017 11:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12461
 Ion Ratio Lower Upper
 248 100
 250 194.8 76.8 115.2#
 141 657.9 68.6 103.0#

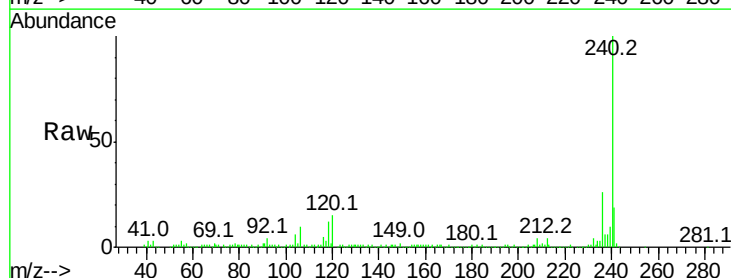


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

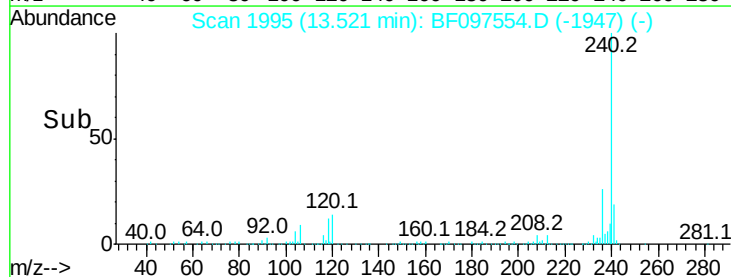
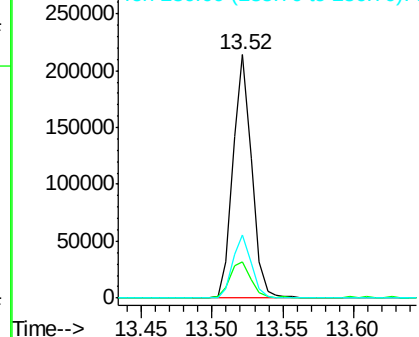


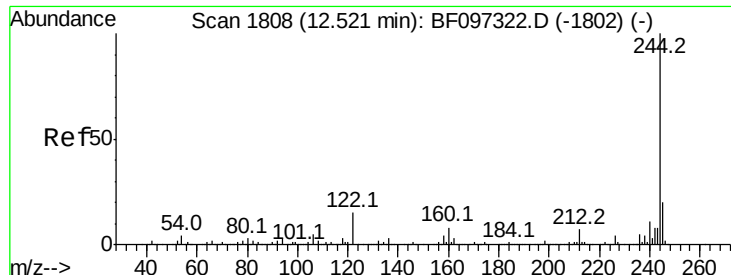
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF097554.D
 Acq: 10 Aug 2017 11:10

Tgt Ion:240 Resp: 197650
 Ion Ratio Lower Upper
 240 100
 120 14.9 5.8 8.8#
 236 25.8 20.5 30.7



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: 64.116 ng

RT: 12.48 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

Instrument :

BNA_F

ClientSampleId :

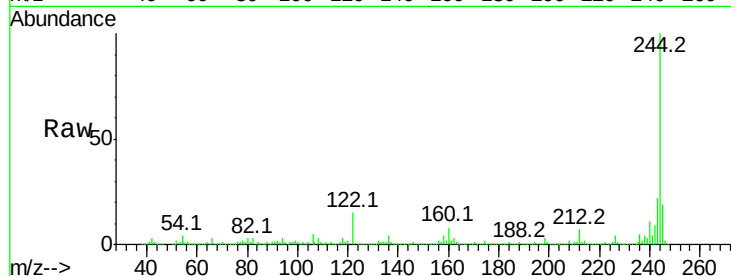
Tot Ion:244 Resp: 621551

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

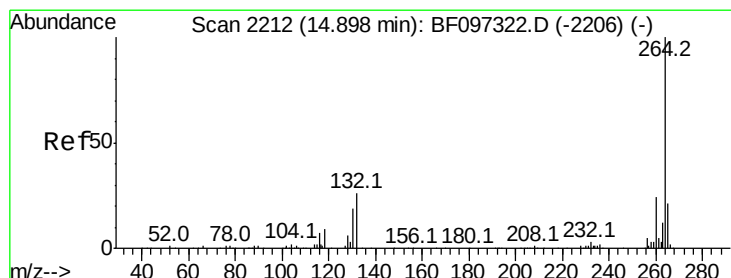
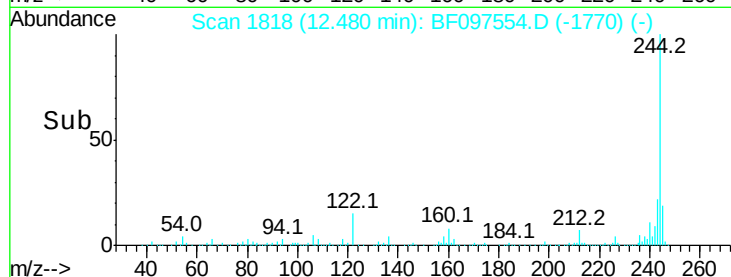
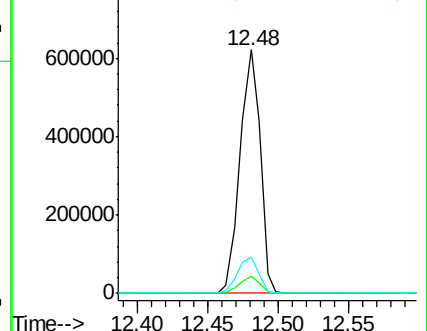
122 15.1 10.3 15.5



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: 14.86 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF097554.D

Acq: 10 Aug 2017 11:10

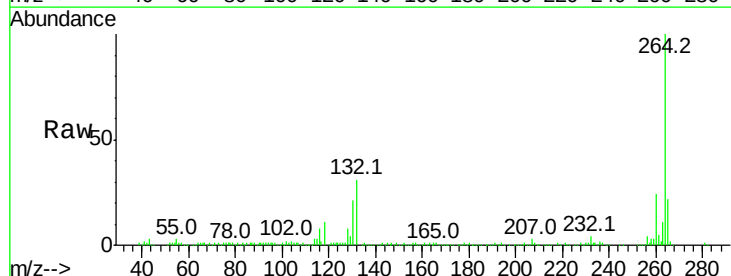
Tgt Ion:264 Resp: 173336

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

