

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097469.D
 Acq On : 8 Aug 2017 15:07
 Operator : SJ/JU
 Sample : I4610-06RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

Quant Time: Aug 08 16:58:34 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	110517	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	434516	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	170869	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	301805	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	208726	20.00	ng	-0.01
86) Perylene-d12	14.87	264	32334	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	917570	125.16	ng	0.01
7) Phenol-d6	6.08	99	1011598	120.87	ng	0.00
23) Nitrobenzene-d5	6.98	82	674791	91.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	202261	149.82	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1038654	103.16	ng	0.00
78) Terphenyl-d14	12.49	244	796316	77.78	ng	0.00

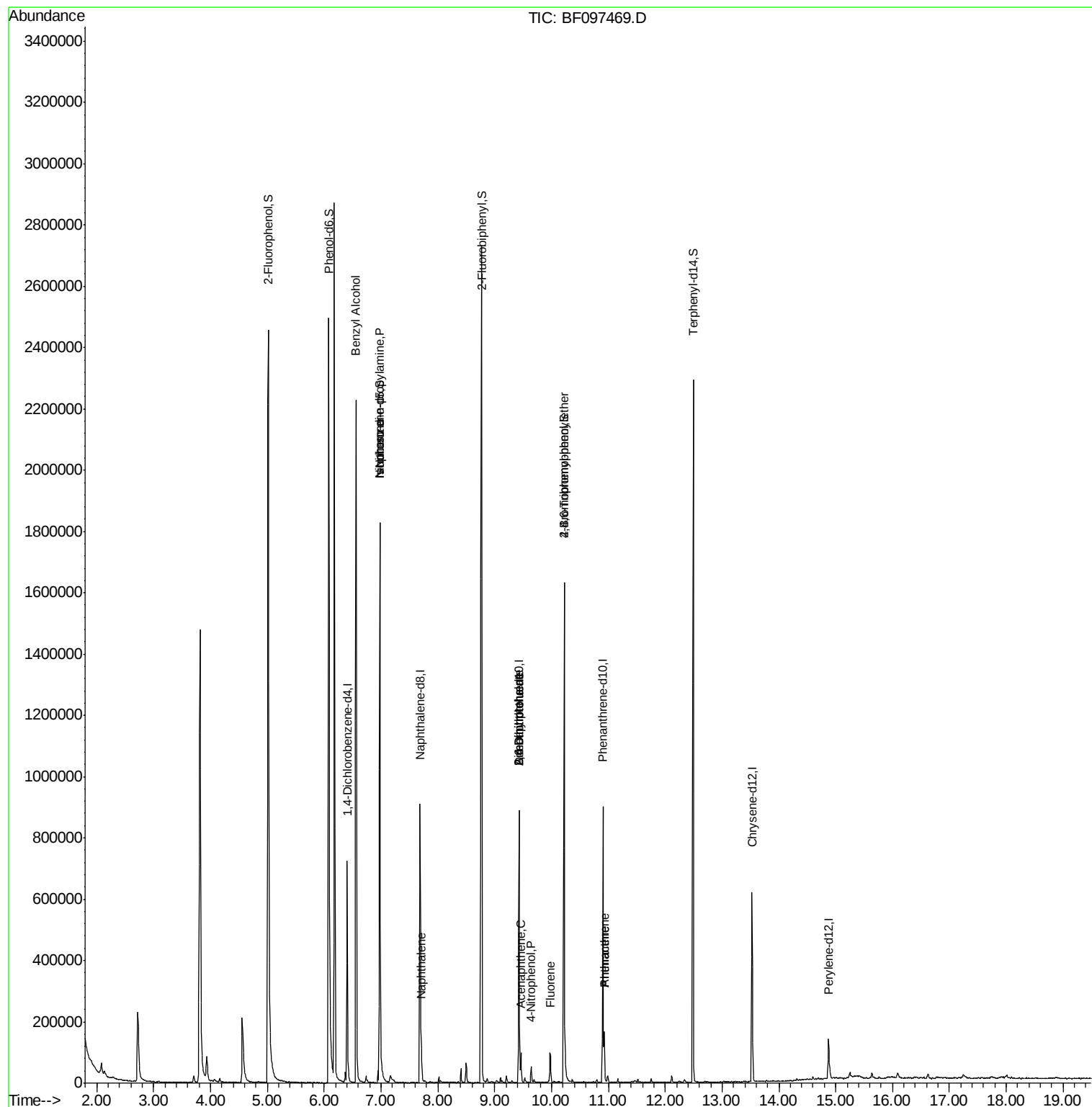
Target Compounds				Qvalue		
15) Benzyl Alcohol	6.56	79	10609	2.002	ng	# 46
19) n-Nitroso-di-n-propylamine	6.98	70	91276	16.568	ng	# 88
25) Isophorone	6.98	82	674784	46.519	ng	# 67
31) Naphthalene	7.71	128	49771	2.430	ng	# 98
49) Dimethylphthalate	9.43	163	55966	4.313	ng	# 1
50) 2,6-Dinitrotoluene	9.43	165	21657	7.870	ng	# 34
51) Acenaphthene	9.46	154	23091	2.378	ng	# 93
55) 4-Nitrophenol	9.64	139	8573	4.220	ng	# 25
56) 2,4-Dinitrotoluene	9.43	165	21657	6.846	ng	# 34
57) Fluorene	9.97	166	29712	3.056	ng	# 98
66) 4-Bromophenyl-phenylether	10.22	248	12678	4.209	ng	# 1
70) Phenanthrene	10.93	178	65553	4.054	ng	# 99
71) Anthracene	10.93	178	65553	3.958	ng	# 99

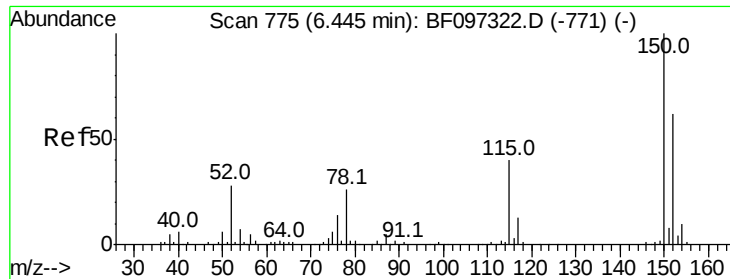
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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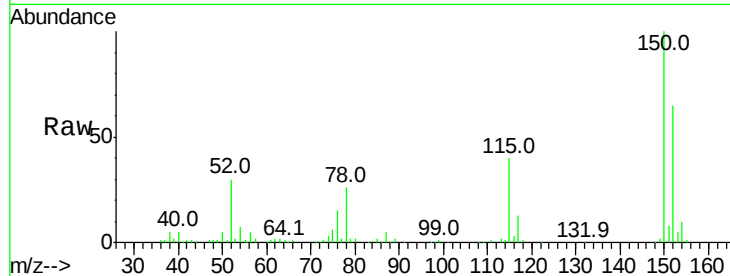


#1

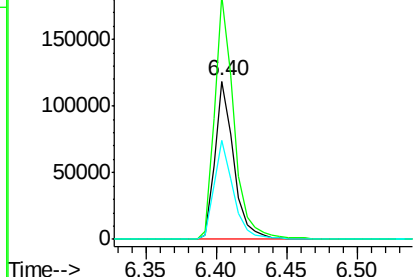
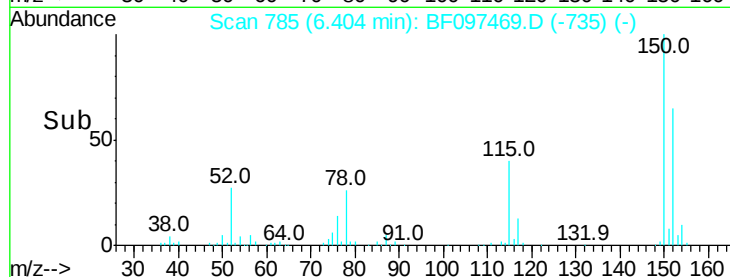
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

Tot Ion:152 Resp: 110517
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 62.4 52.2 78.2



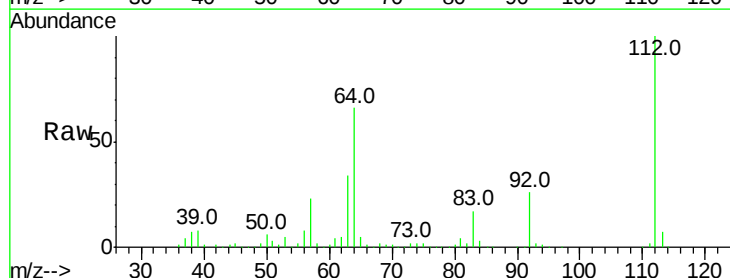
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



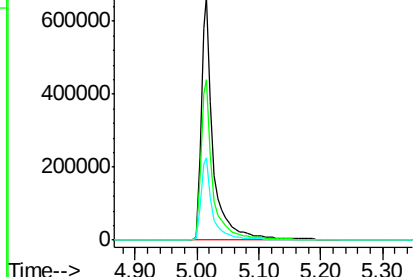
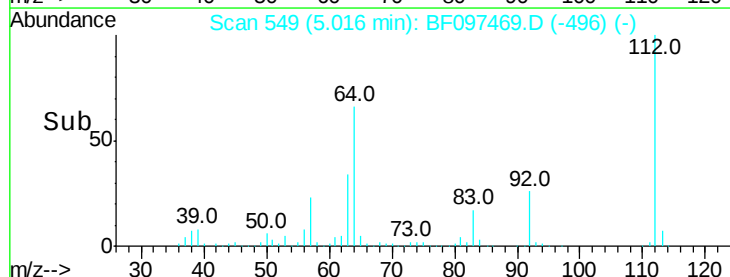
#5

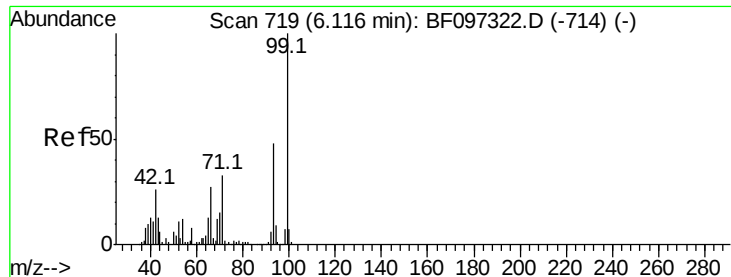
2-Fluorophenol
Concen: 125.160 ng
RT: 5.02 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion:112 Resp: 917570
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 33.7 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: 120.868 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-B

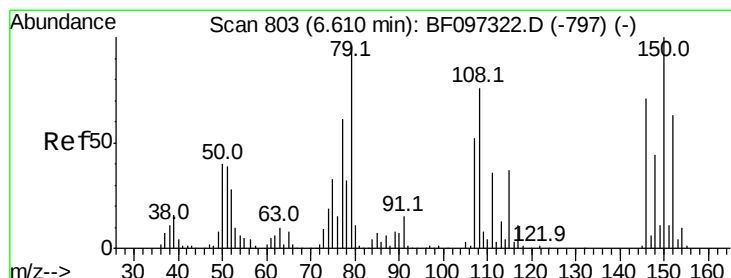
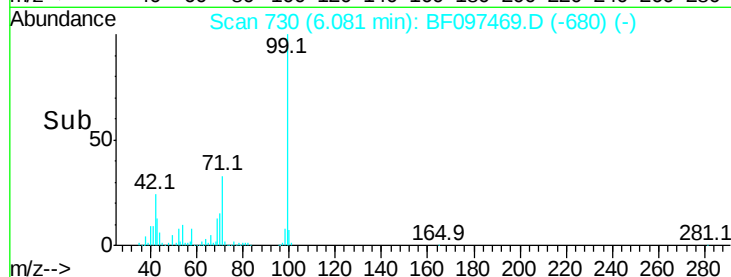
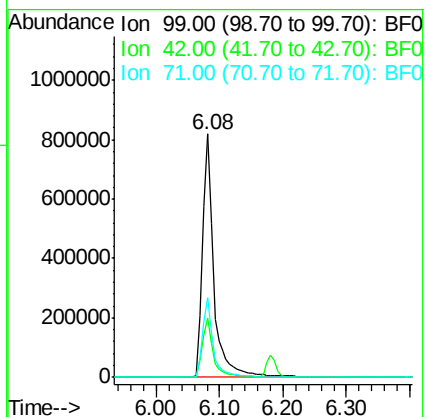
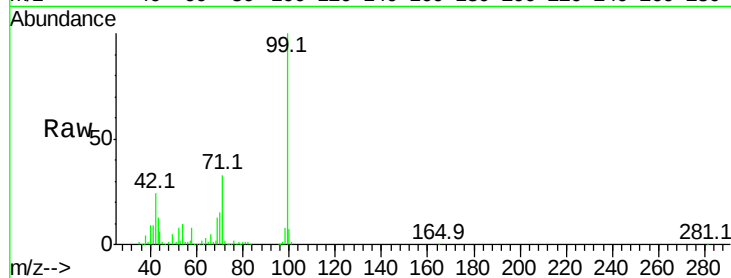
Tot Ion: 99 Resp: 1011598

Ion Ratio Lower Upper

99 100

42 24.4 13.5 20.3#

71 32.9 24.5 36.7



#15

Benzyl Alcohol

Concen: 2.002 ng

RT: 6.56 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

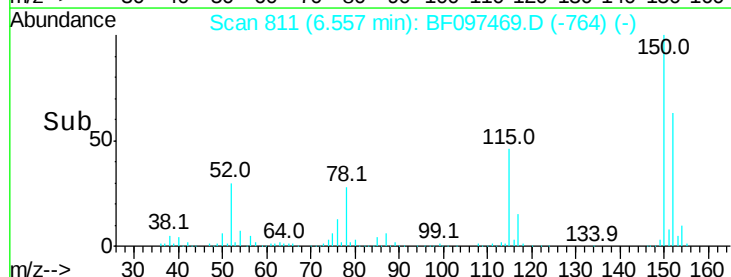
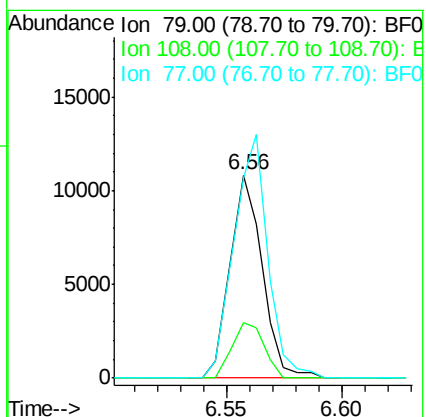
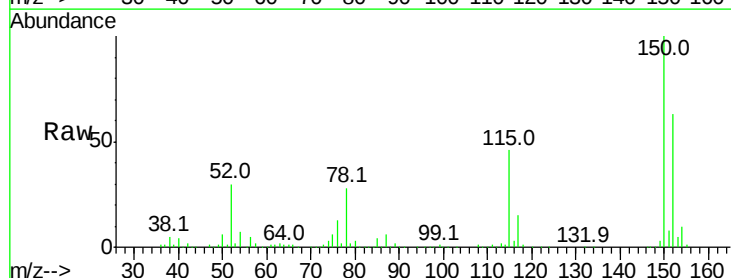
Tgt Ion: 79 Resp: 10609

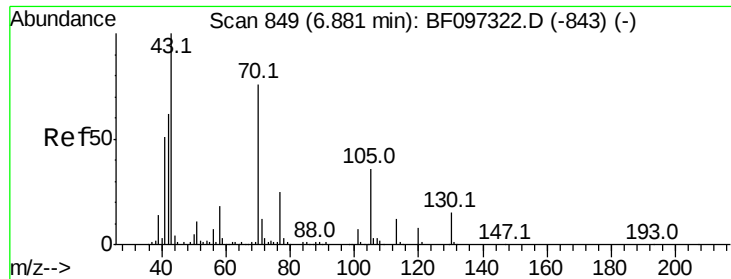
Ion Ratio Lower Upper

79 100

108 27.3 63.4 95.0#

77 98.6 49.2 73.8#

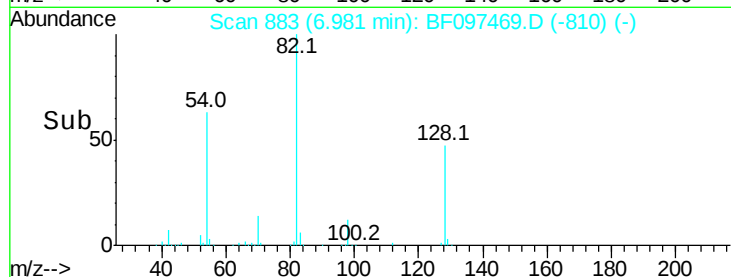
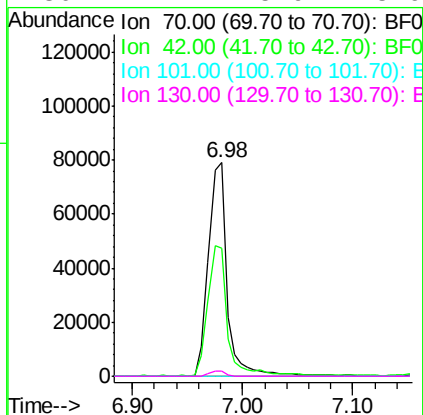
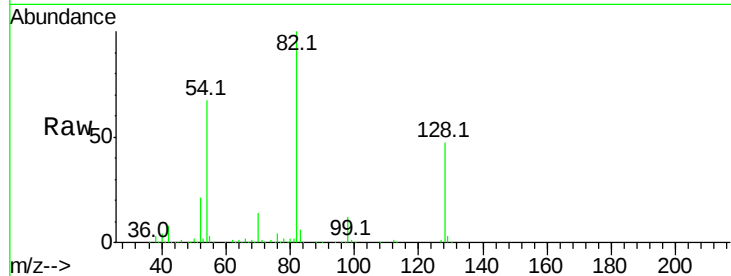




#19
n-Nitroso-di-n-propylamine
Concen: 16.568 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

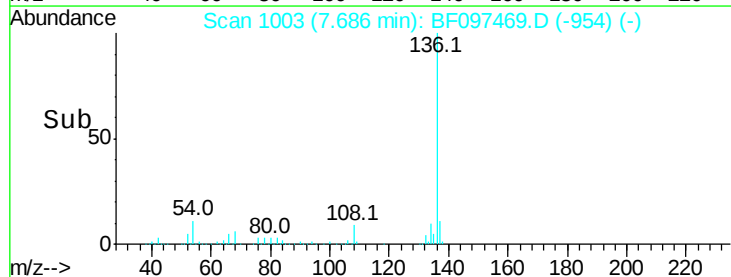
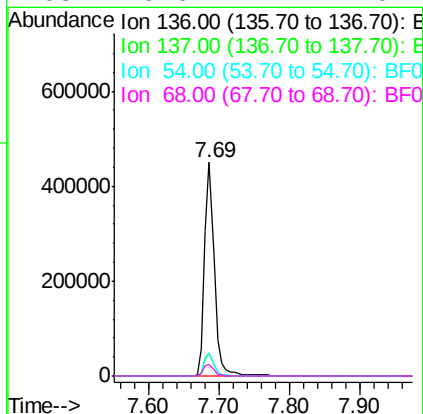
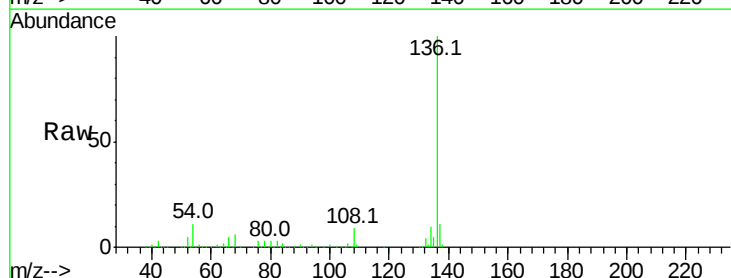
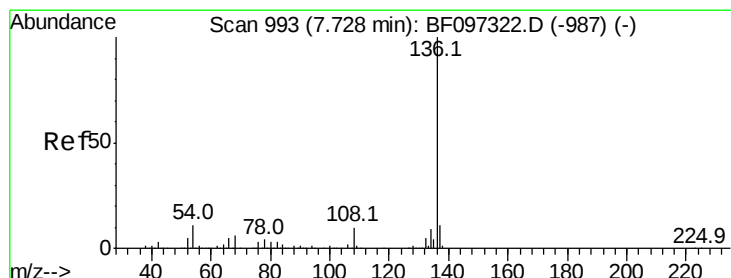
Instrument :
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ClientSampleId :
PL-02-080317-B

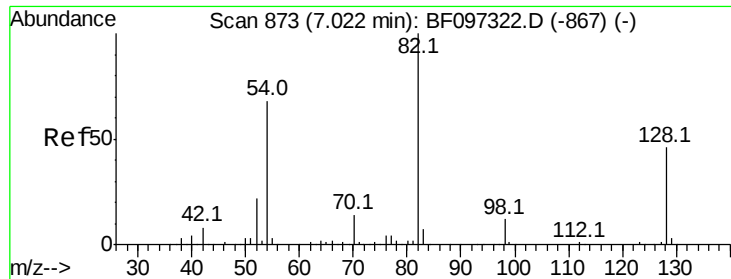
Tot Ion: 70 Resp: 91276
Ion Ratio Lower Upper
70 100
42 60.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion: 136 Resp: 434516
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.5 4.9 7.3#
68 5.6 4.1 6.1

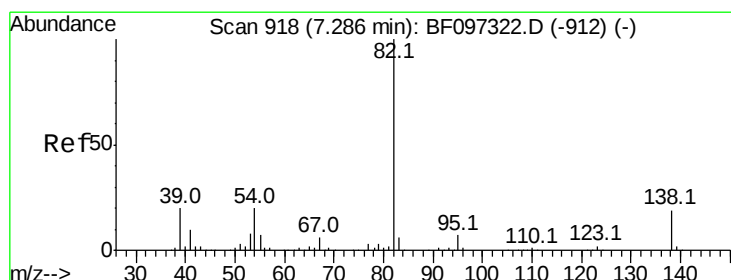
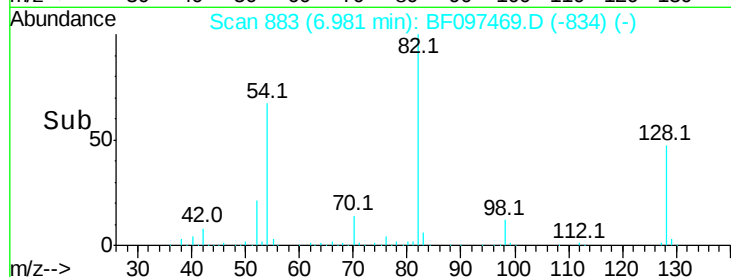
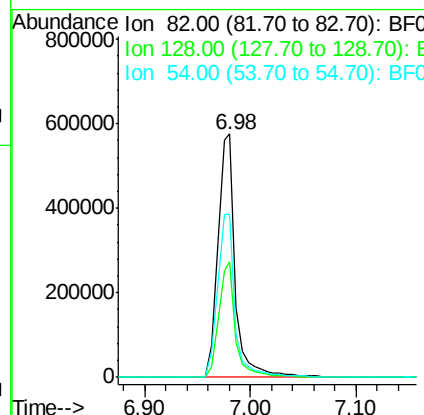
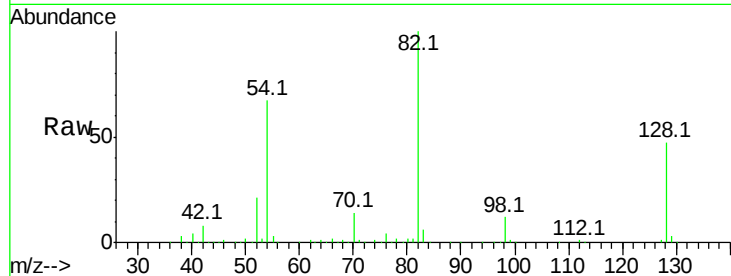




#23
 Nitrobenzene-d5
 Concen: 91.104 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

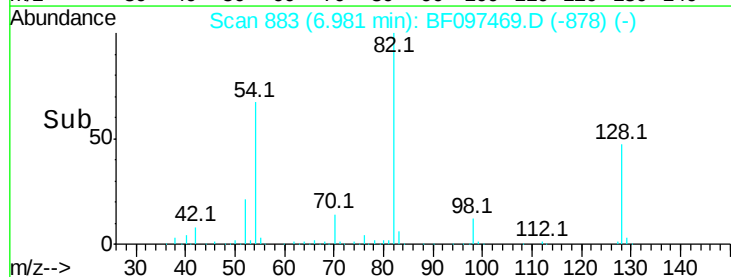
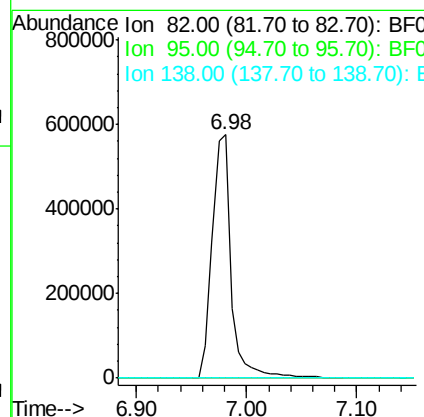
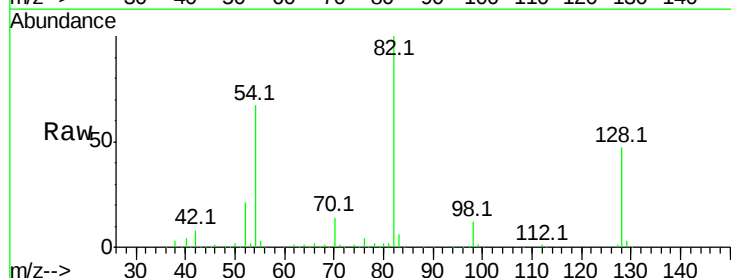
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

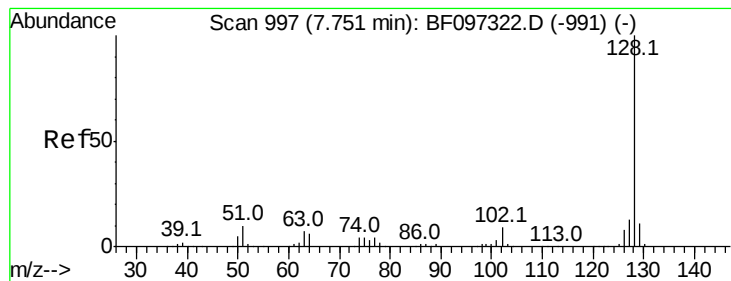
Tot Ion: 82 Resp: 674791
 Ion Ratio Lower Upper
 82 100
 128 47.4 34.0 51.0
 54 67.0 42.2 63.2#



#25
 Isophorone
 Concen: 46.519 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Tgt Ion: 82 Resp: 674784
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 2.430 ng

RT: 7.71 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-B

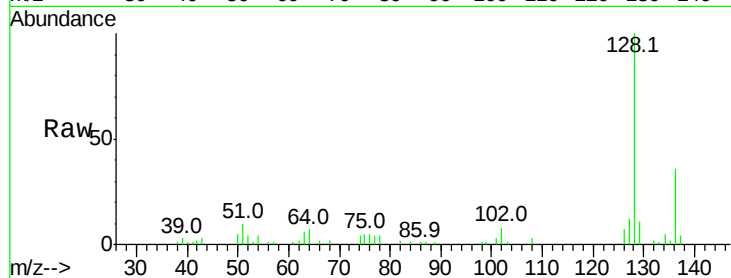
Tot Ion:128 Resp: 49771

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

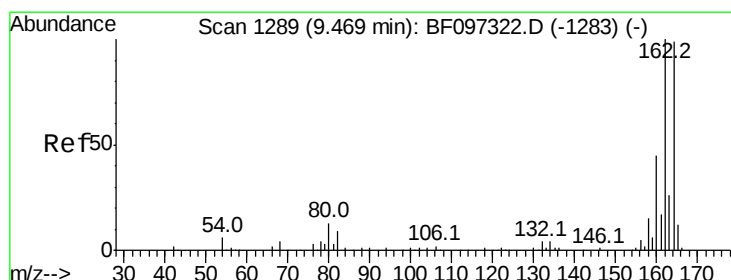
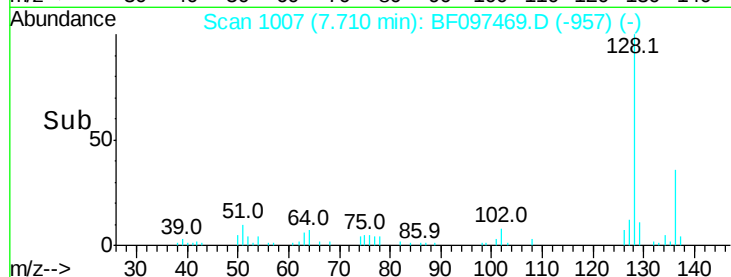
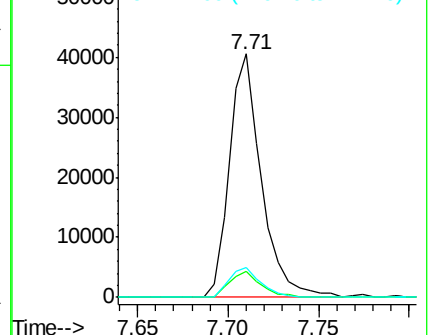
127 12.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

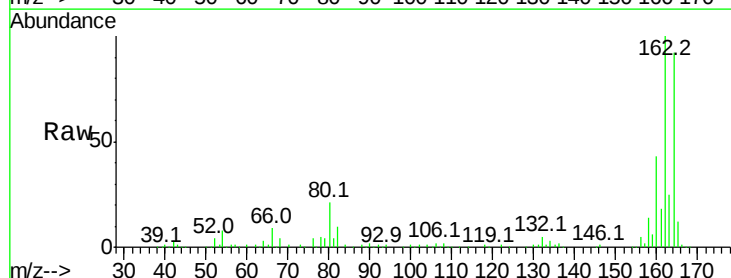
Tgt Ion:164 Resp: 170869

Ion Ratio Lower Upper

164 100

162 108.4 82.6 123.8

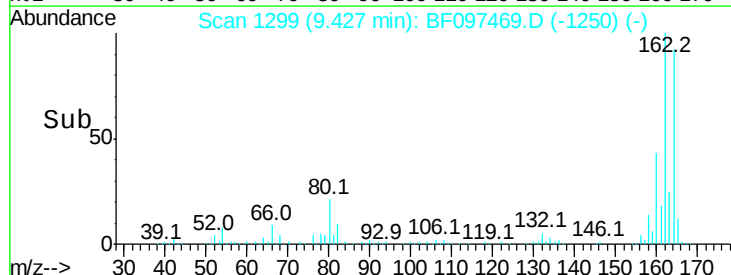
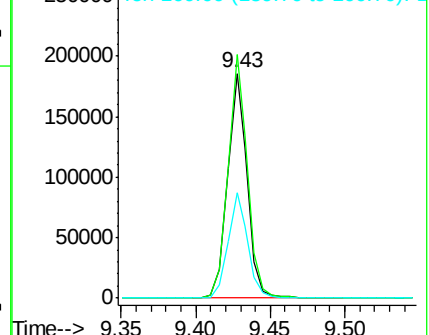
160 47.0 36.2 54.2

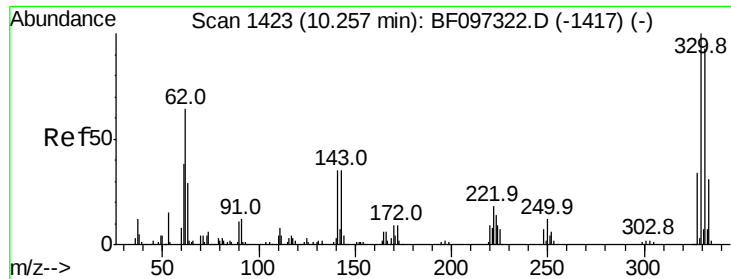


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

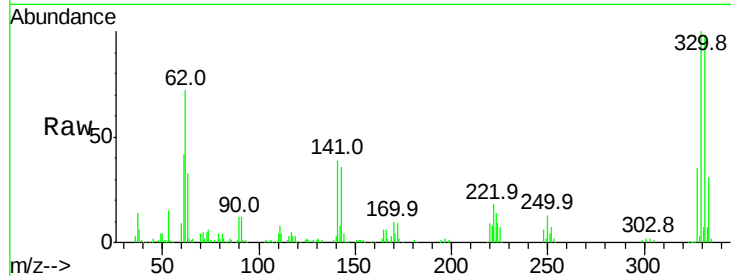




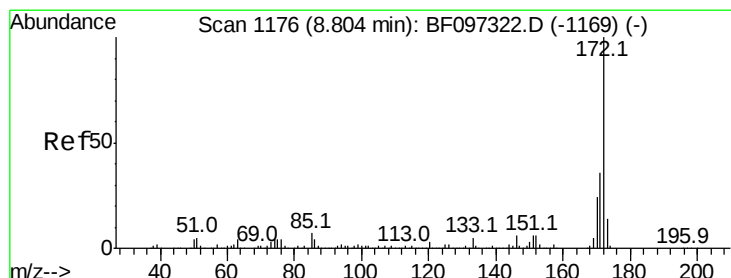
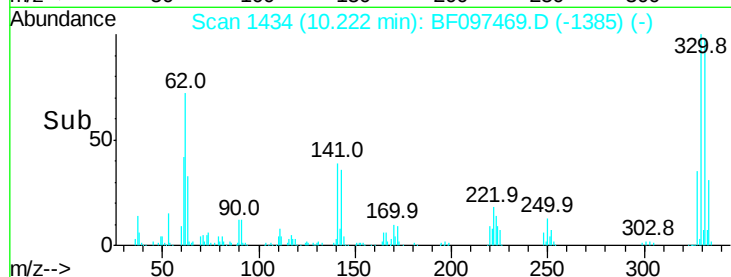
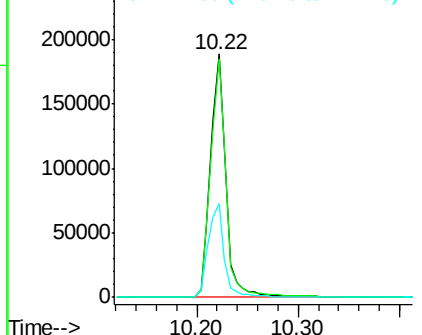
#41
 2,4,6-Tribromophenol
 Concen: 149.820 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

Tot Ion:330 Resp: 202261
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 40.1 31.4 47.2

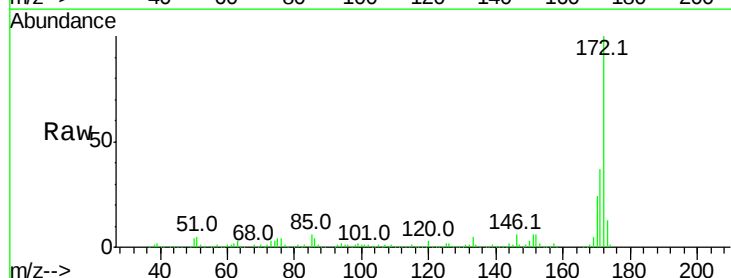


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

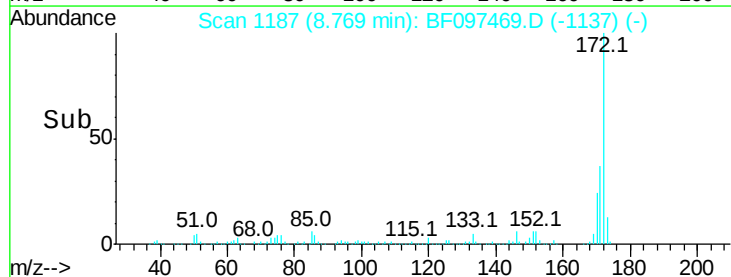
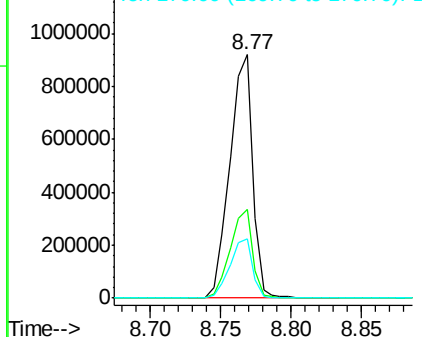


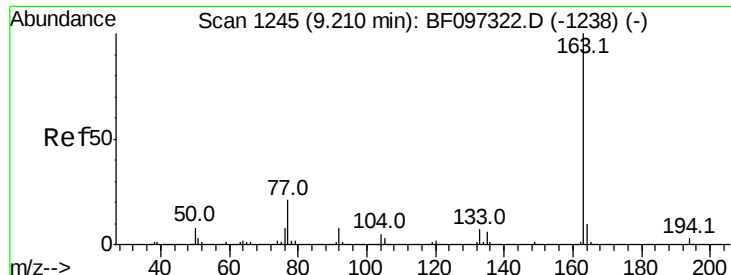
#44
 2-Fluorobiphenyl
 Concen: 103.161 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Tgt Ion:172 Resp: 1038654
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.3 19.8 29.8



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

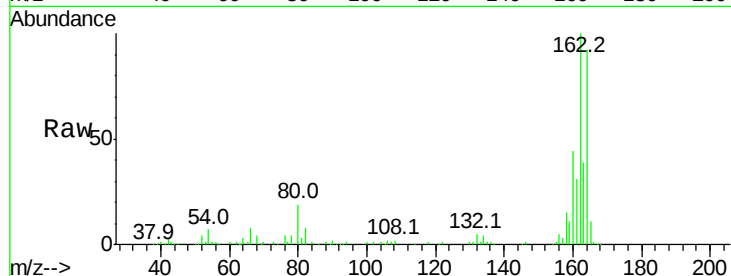




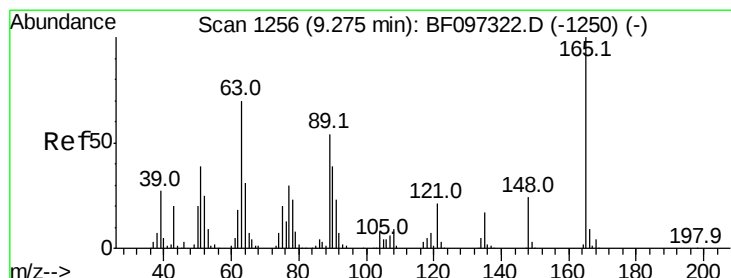
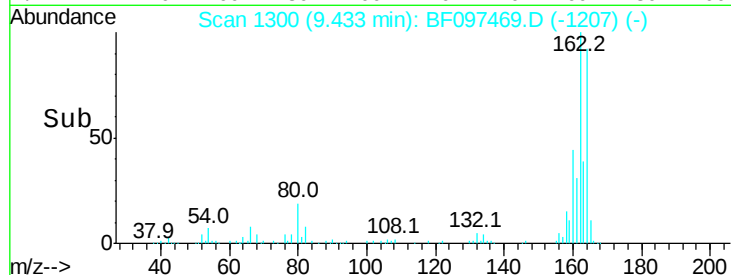
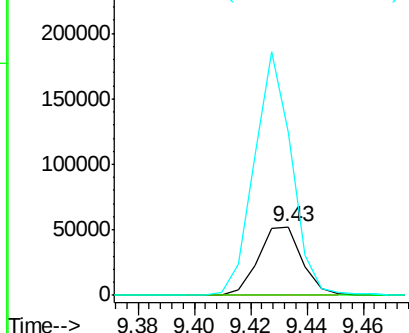
#49
 Dimethylphthalate
 Concen: 4.313 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. 0.25 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.6	4.0#
164	237.5	8.4	12.6#

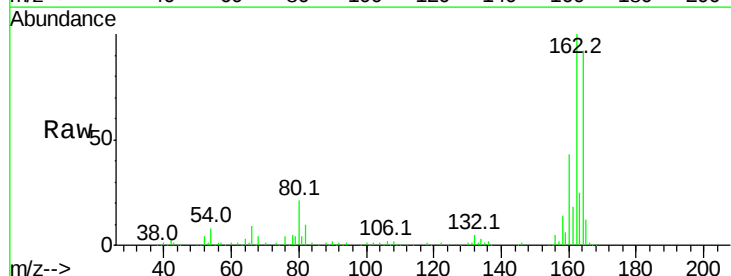


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

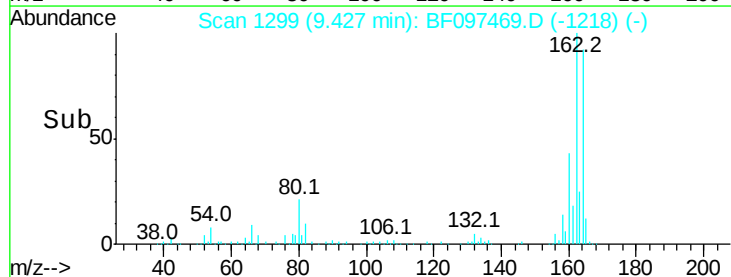
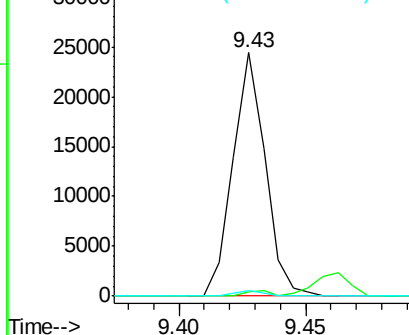


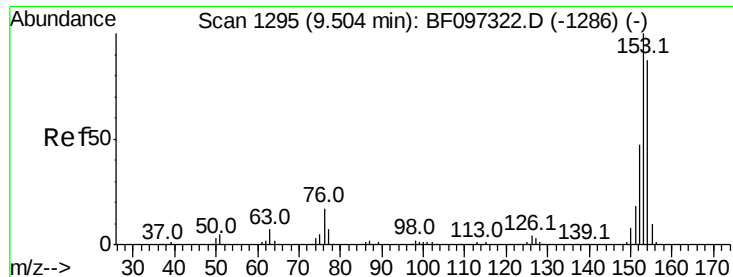
#50
 2,6-Dinitrotoluene
 Concen: 7.870 ng
 RT: 9.43 min Scan# 1299
 Delta R.T. 0.18 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	2.1	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

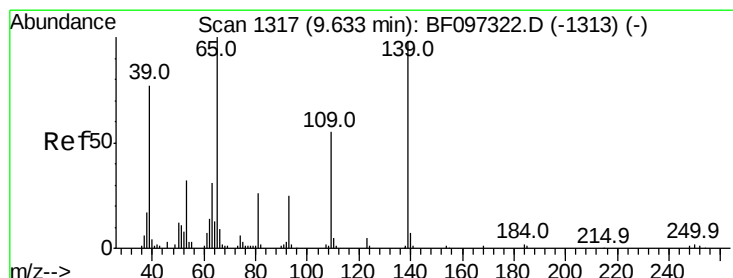
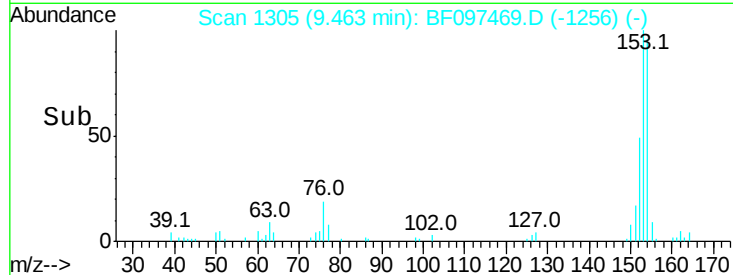
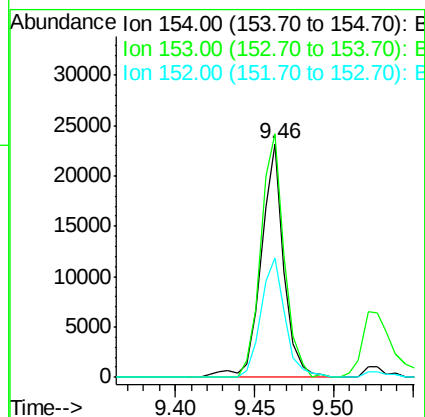
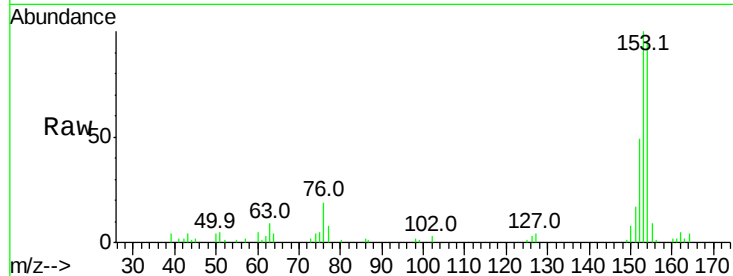




#51
Acenaphthene
Concen: 2.378 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

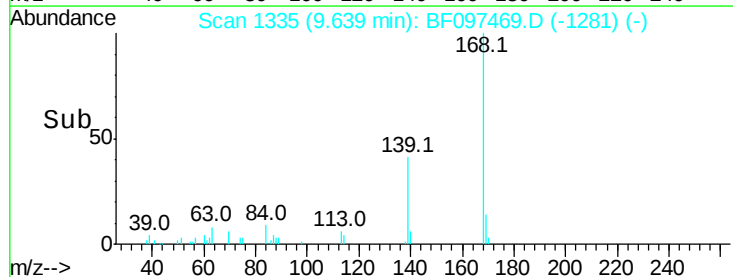
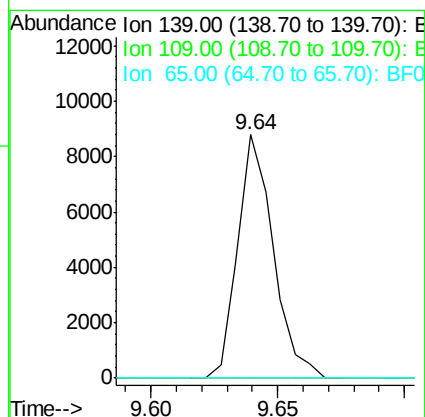
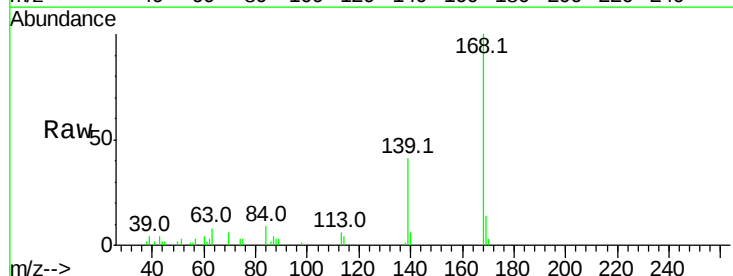
Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

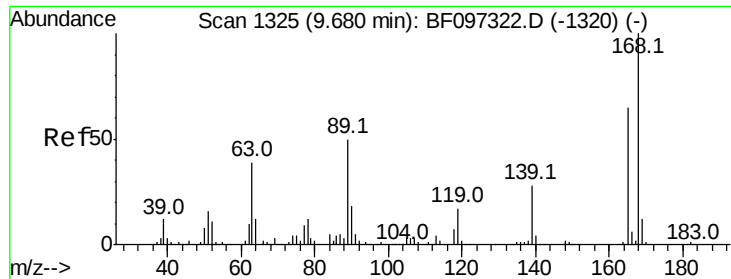
Tot Ion:154 Resp: 23091
Ion Ratio Lower Upper
154 100
153 104.2 90.5 135.7
152 51.1 43.6 65.4



#55
4-Nitrophenol
Concen: 4.220 ng
RT: 9.64 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion:139 Resp: 8573
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

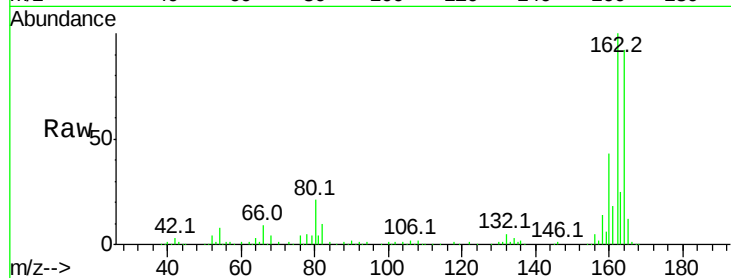




#56
2,4-Dinitrotoluene
Concen: 6.846 ng
RT: 9.43 min Scan# 1299
Delta R.T. -0.24 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#

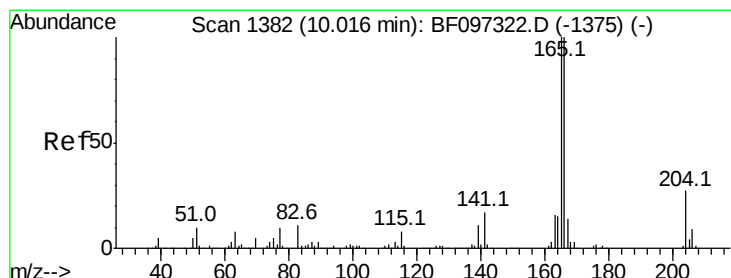
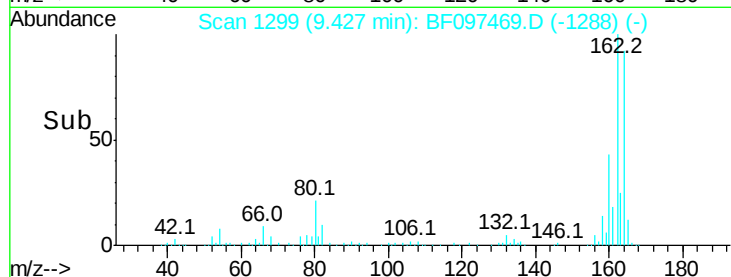
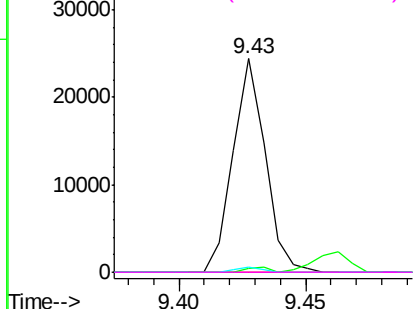


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

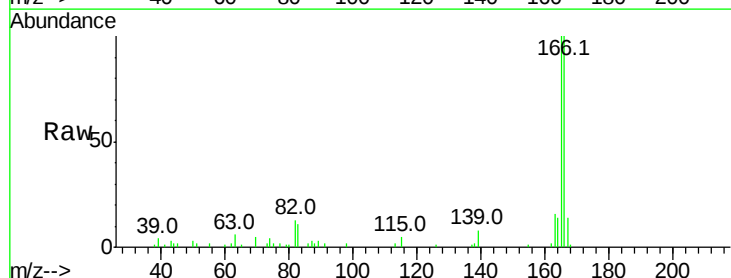
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 3.056 ng
RT: 9.97 min Scan# 1392
Delta R.T. -0.02 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

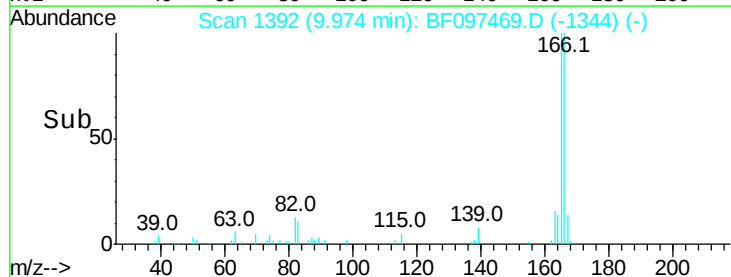
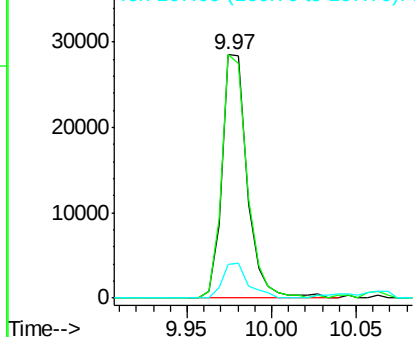
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.8	118.2
167	14.0	10.6	16.0

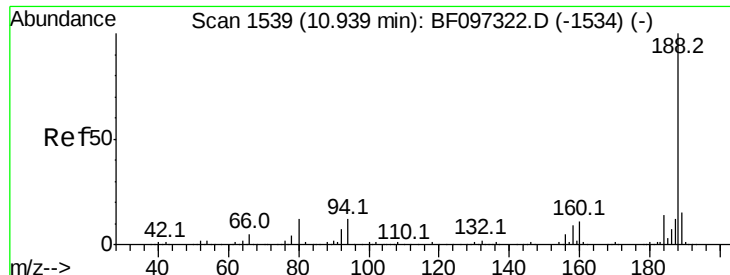


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1550

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-B

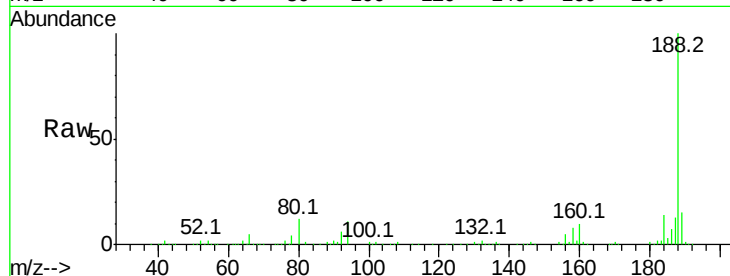
Tot Ion:188 Resp: 301805

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

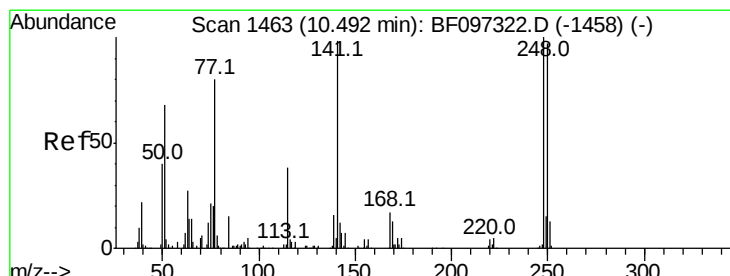
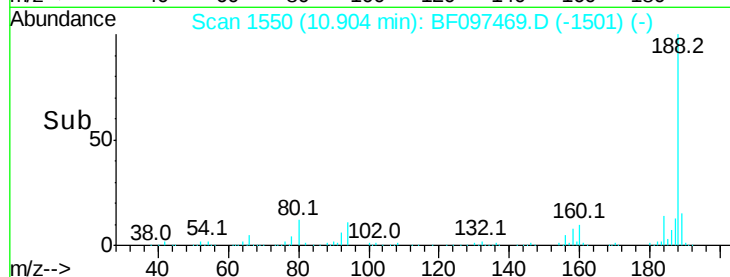
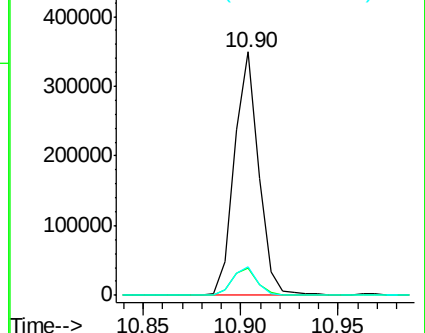
80 11.7 10.2 15.2



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



#66

4-Bromophenyl-phenylether

Concen: 4.209 ng

RT: 10.22 min Scan# 1434

Delta R.T. -0.25 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

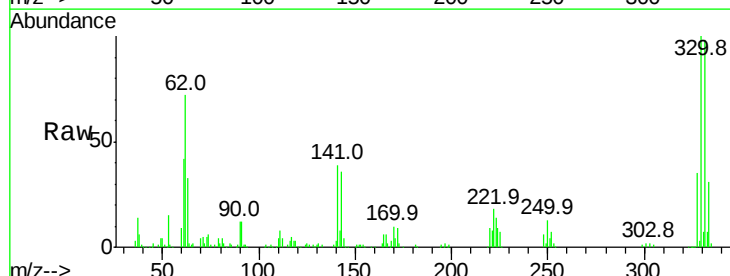
Tgt Ion:248 Resp: 12678

Ion Ratio Lower Upper

248 100

250 196.3 76.8 115.2#

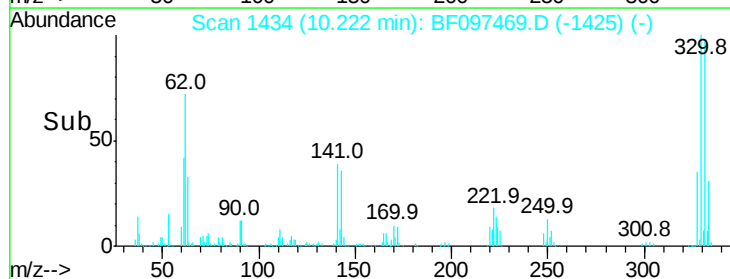
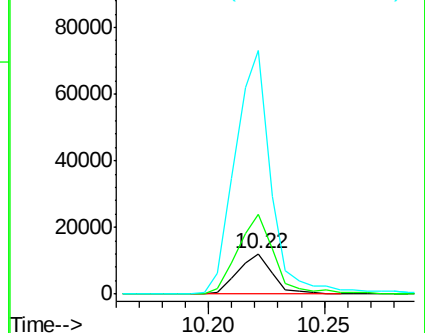
141 601.4 68.6 103.0#

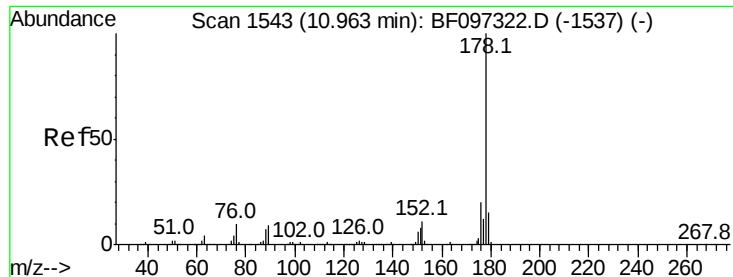


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

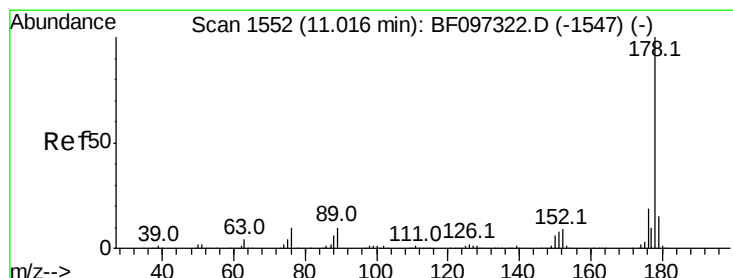
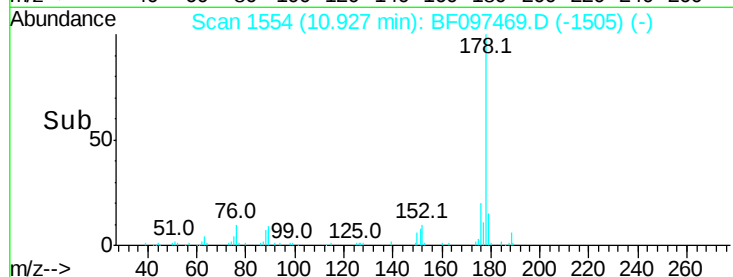
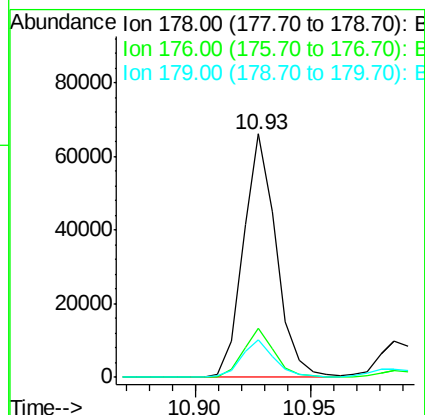
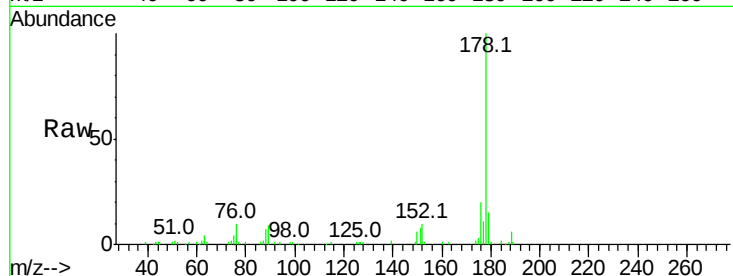




#70
Phenanthrene
Concen: 4.054 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

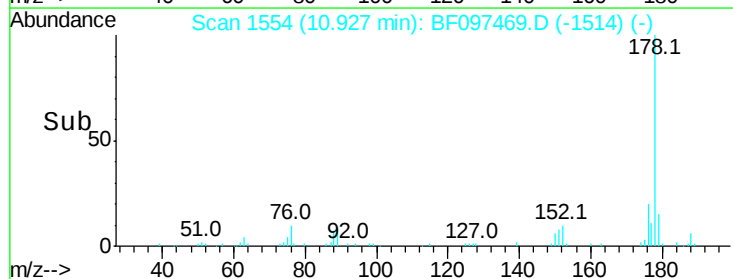
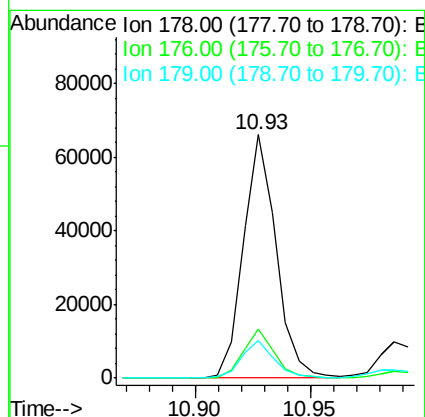
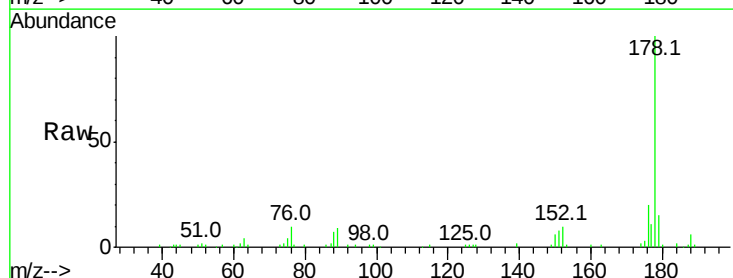
Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

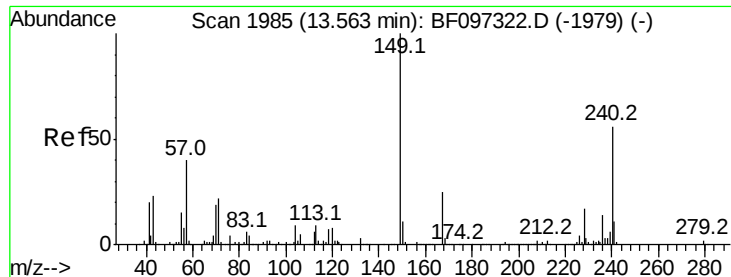
Tot Ion:178 Resp: 65553
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 3.958 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.06 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion:178 Resp: 65553
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.3 12.7 19.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-B

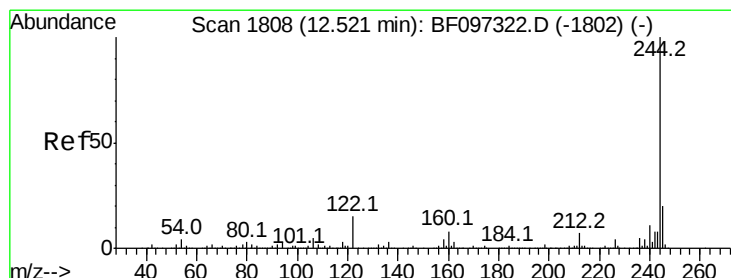
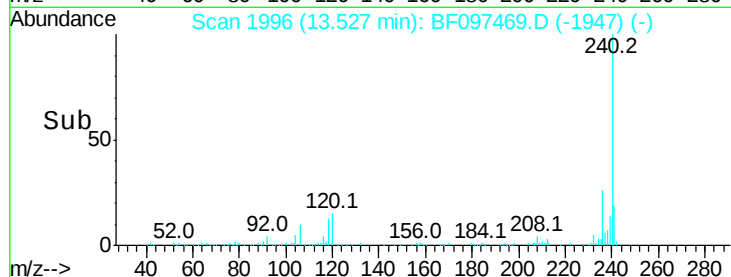
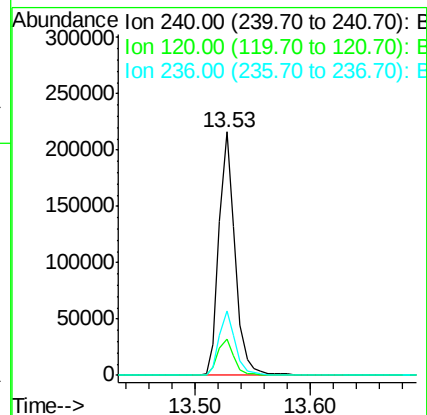
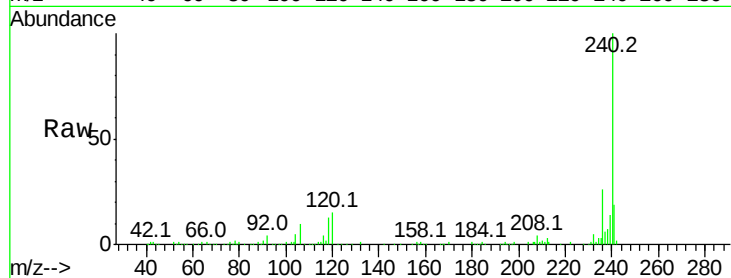
Tot Ion:240 Resp: 208726

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

236 26.4 20.5 30.7



#78

Terphenyl-d14

Concen: 77.785 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

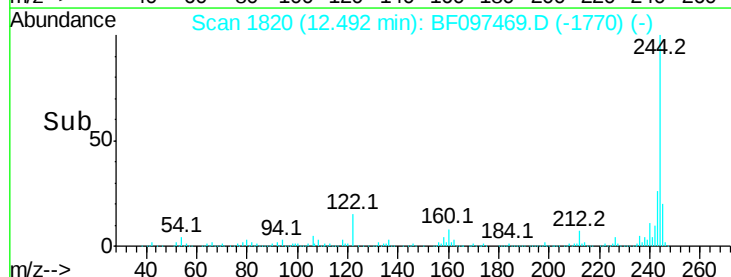
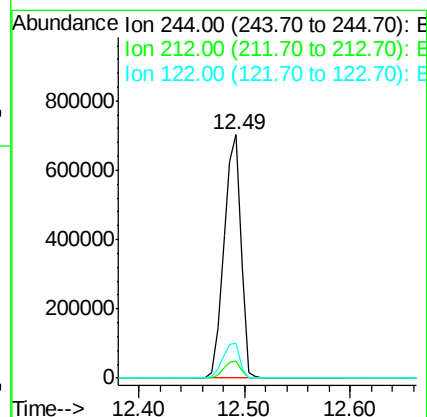
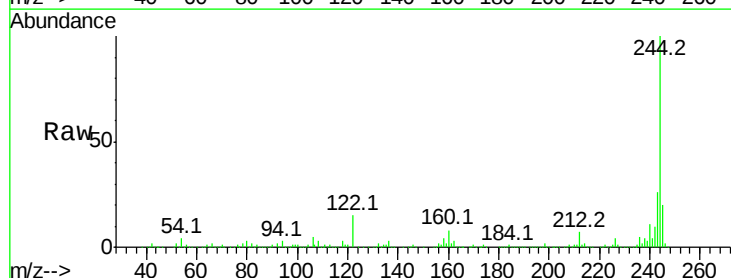
Tgt Ion:244 Resp: 796316

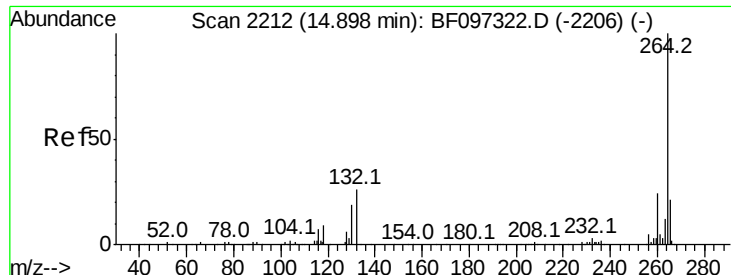
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 14.6 10.3 15.5





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

Tot Ion:264 Resp: 32334
 Ion Ratio Lower Upper
 264 100
 260 30.4 19.5 29.3#
 265 20.0 17.2 25.8

