

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097074.D
 Acq On : 26 Jul 2017 14:40
 Operator : SJ/JU
 Sample : I4443-05 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 15:50:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	113771	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	495847	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	209248	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	316471	20.00	ng	0.00
75) Chrysene-d12	13.63	240	197334	20.00	ng	0.00
86) Perylene-d12	14.98	264	186635	20.00	ng	0.00

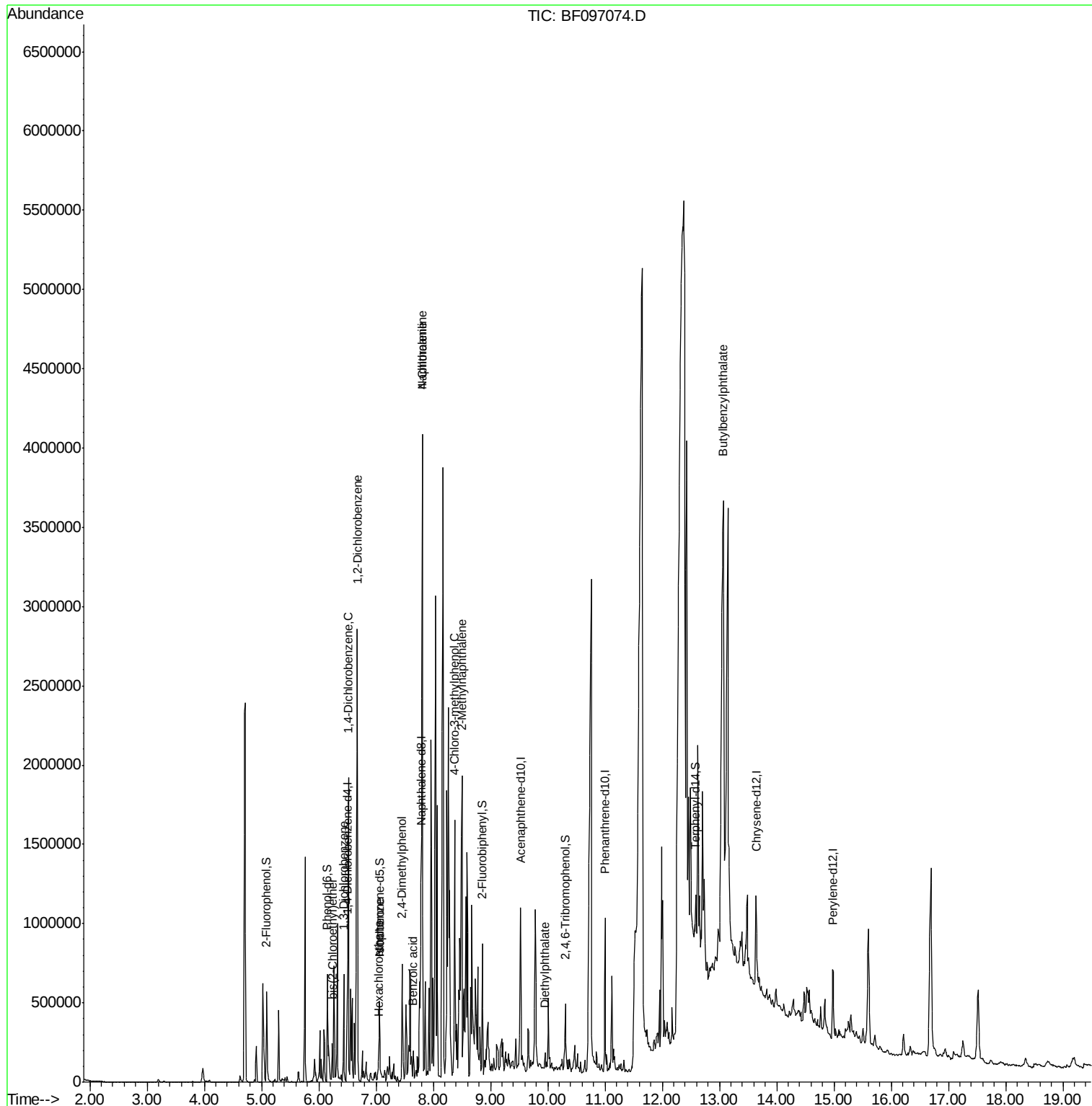
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	173682	23.01	ng	-0.01
7) Phenol-d6	6.15	99	216308	25.11	ng	-0.02
23) Nitrobenzene-d5	7.06	82	121706	14.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	41145	24.89	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	217623	17.65	ng	-0.01
78) Terphenyl-d14	12.59	244	110590	11.43	ng	0.00

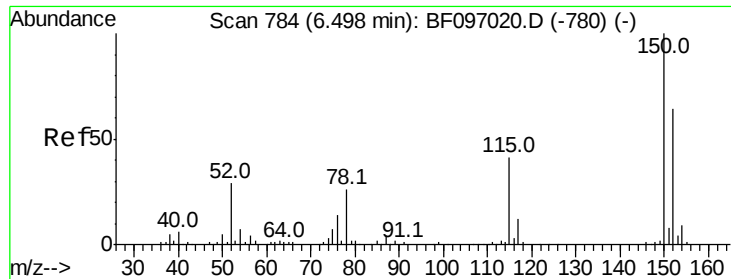
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) bis(2-Chloroethyl)ether	6.23	93	70205	8.686	ng	92
12) 1,3-Dichlorobenzene	6.43	146	153603	17.662	ng	98
13) 1,4-Dichlorobenzene	6.52	146	471879	54.751	ng	96
14) 1,2-Dichlorobenzene	6.67	146	674263	89.600	ng	99
18) Hexachloroethane	7.03	117	13185	4.182	ng	# 41
25) Isophorone	7.06	82	118308	7.147	ng	# 67
27) 2,4-Dimethylphenol	7.46	122	117280	14.928	ng	95
31) Naphthalene	7.81	128	2176668	93.125	ng	99
32) Benzoic acid	7.65	122	22126	3.772	ng	# 21
33) 4-Chloroaniline	7.81	127	298369	31.372	ng	# 34
36) 4-Chloro-3-methylphenol	8.37	107	74991	10.156	ng	# 14
37) 2-Methylnaphthalene	8.50	142	449125	30.348	ng	99
59) Diethylphthalate	9.96	149	35180	2.413	ng	98
79) Butylbenzylphthalate	13.07	149	17957	2.185	ng	# 45

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\  
Data File : BF097074.D  
Acq On    : 26 Jul 2017   14:40  
Operator  : SJ/JU  
Sample    : I4443-05 5X  
Misc      :  
ALS Vial  : 8      Sample Multiplier: 1
```

Quant Time: Jul 26 15:50:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



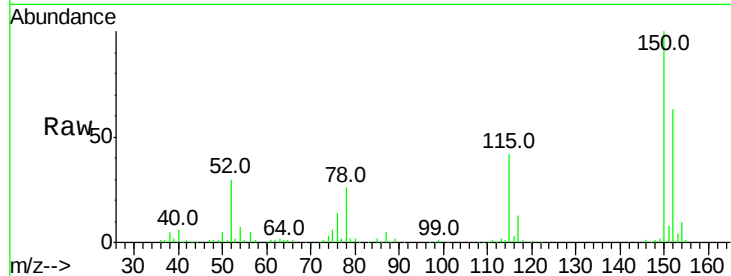


#1

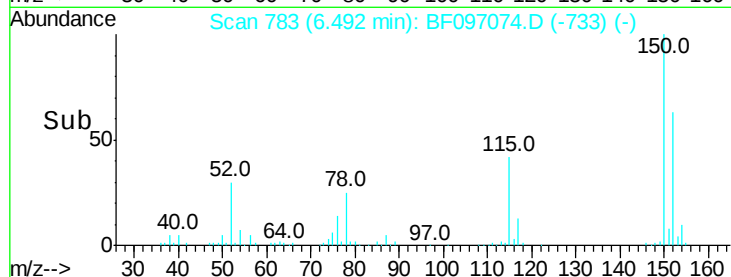
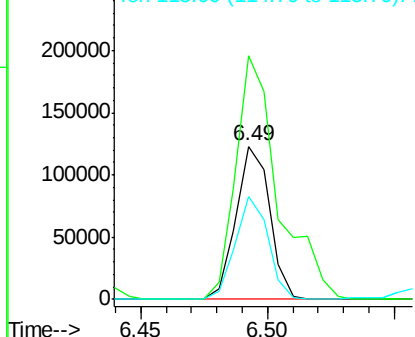
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113771
Ion Ratio Lower Upper
152 100
150 159.3 126.2 189.2
115 67.5 52.2 78.2



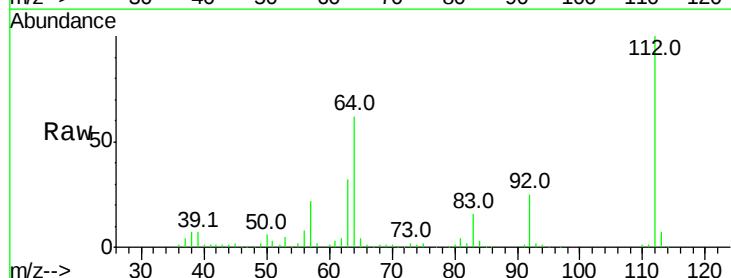
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



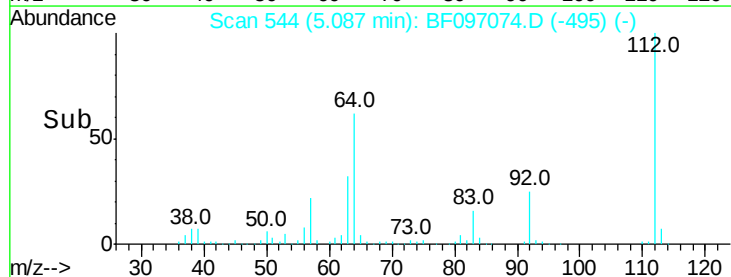
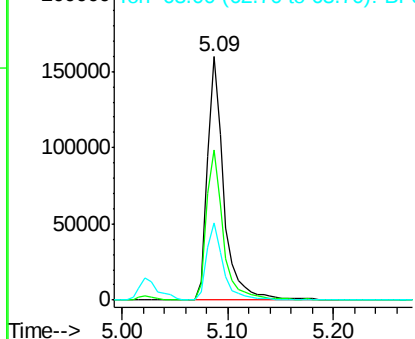
#5

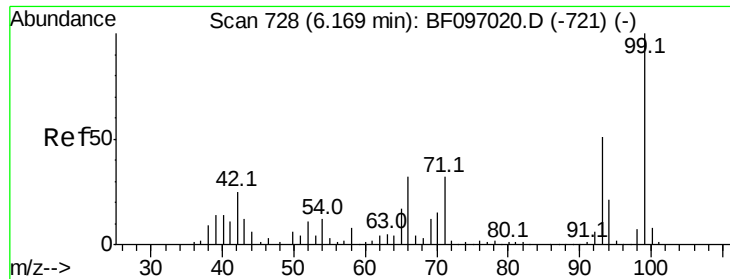
2-Fluorophenol
Concen: 23.013 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Tgt Ion:112 Resp: 173682
Ion Ratio Lower Upper
112 100
64 61.8 46.0 69.0
63 31.7 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: 25.106 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

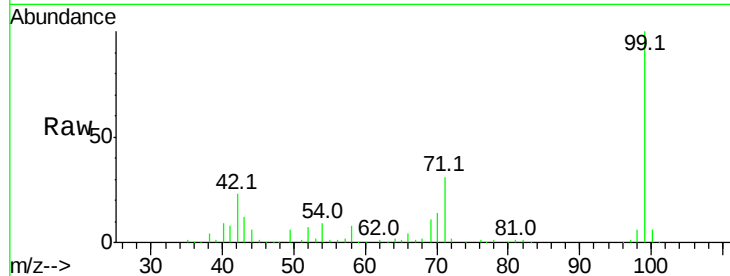
Tot Ion: 99 Resp: 216308

Ion Ratio Lower Upper

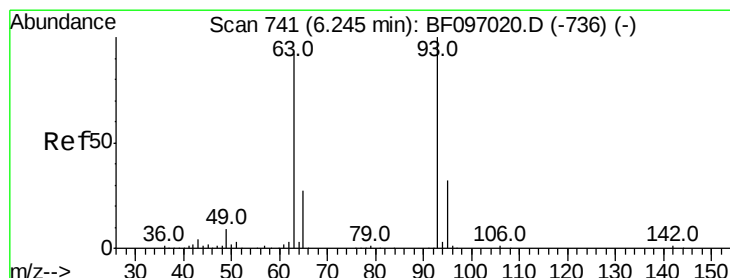
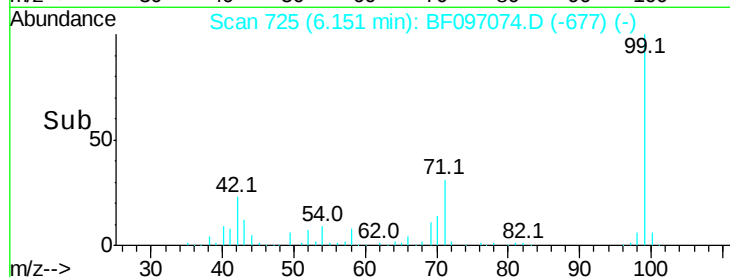
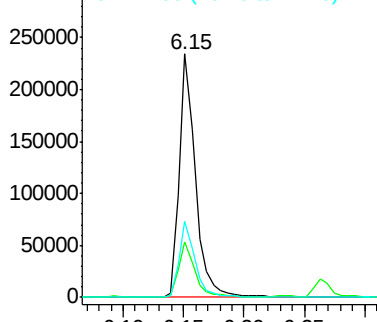
99 100

42 22.8 13.5 20.3#

71 31.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 8.686 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

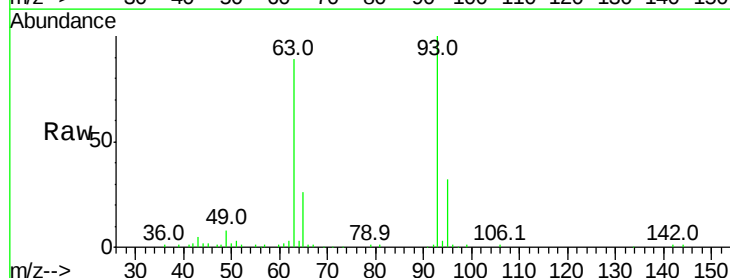
Tgt Ion: 93 Resp: 70205

Ion Ratio Lower Upper

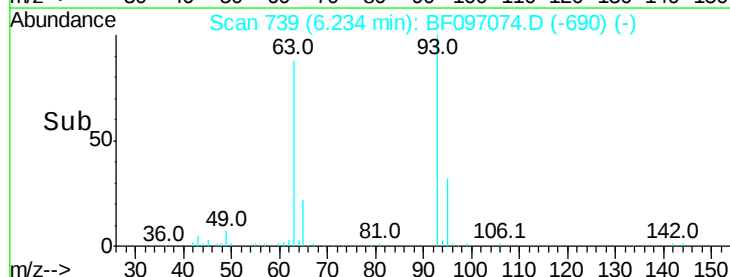
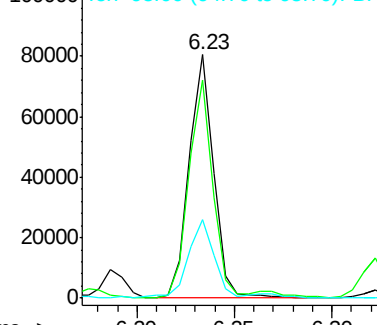
93 100

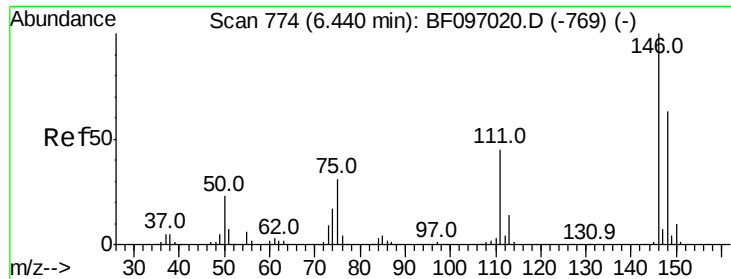
63 89.3 59.2 99.2

95 32.2 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 17.662 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

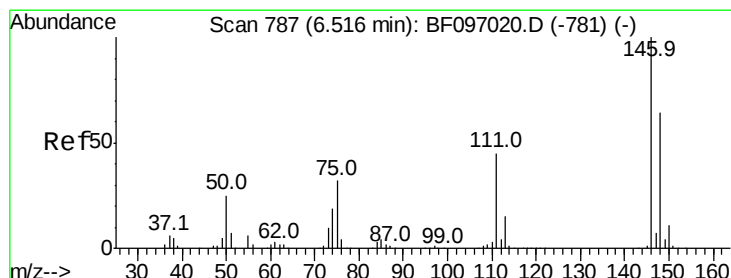
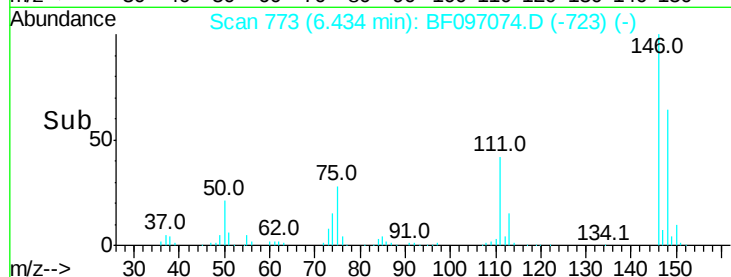
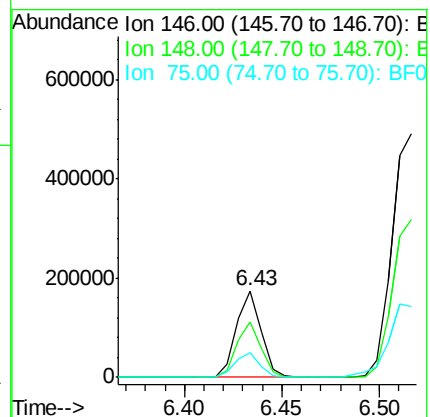
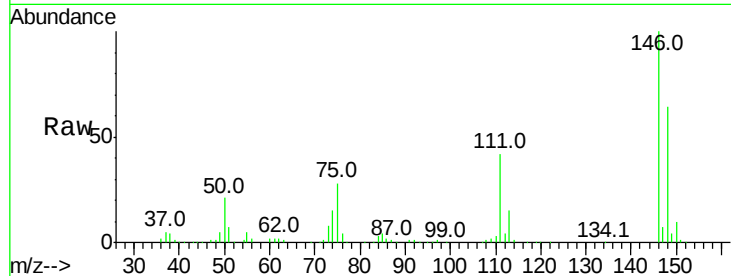
Tot Ion:146 Resp: 153603

Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.6

75 28.0 23.1 34.7



#13

1,4-Dichlorobenzene

Concen: 54.751 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

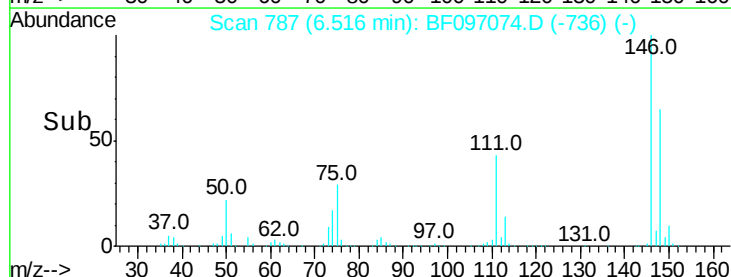
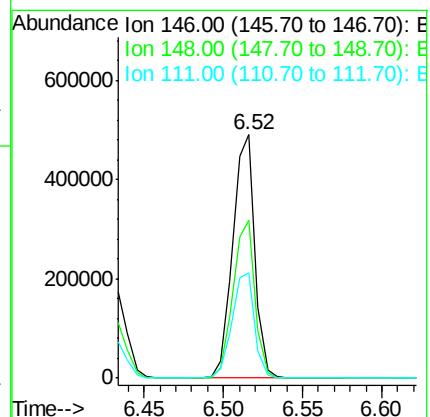
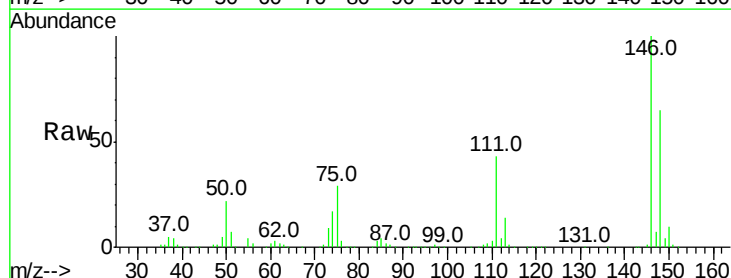
Tgt Ion:146 Resp: 471879

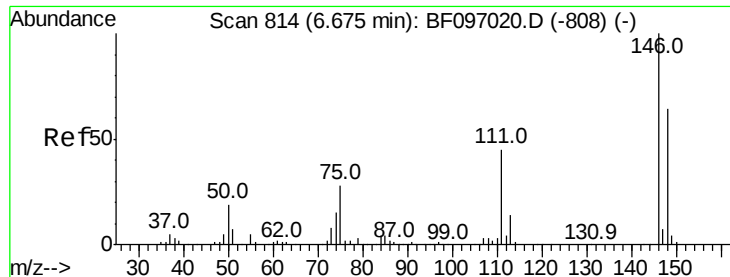
Ion Ratio Lower Upper

146 100

148 64.9 52.2 78.2

111 43.4 30.3 45.5





#14

1,2-Dichlorobenzene

Concen: 89.600 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

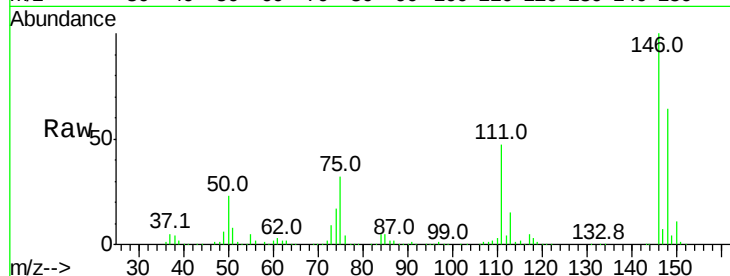
Tot Ion:146 Resp: 674263

Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

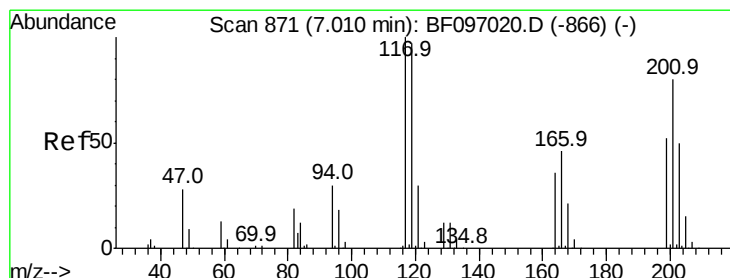
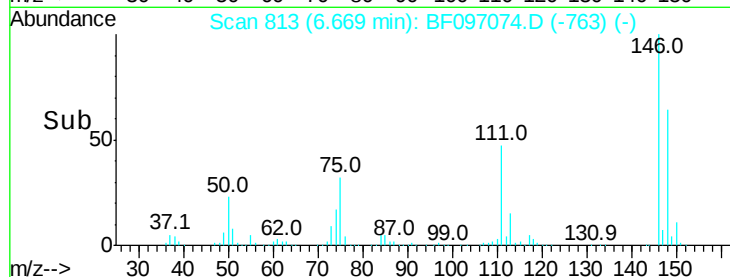
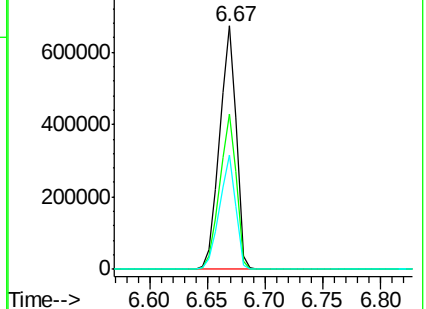
111 47.0 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 4.182 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.02 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

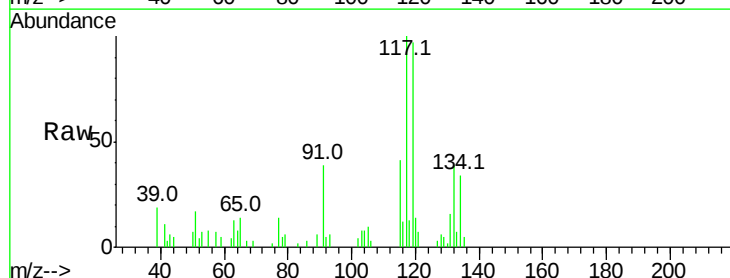
Tgt Ion:117 Resp: 13185

Ion Ratio Lower Upper

117 100

119 96.9 77.4 116.0

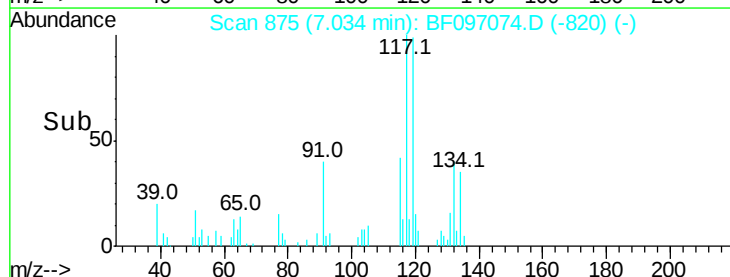
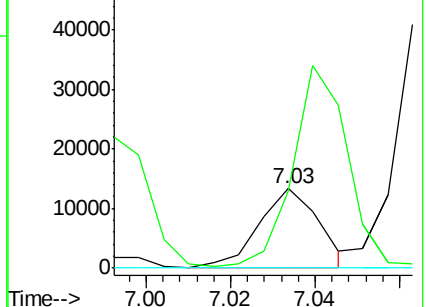
201 0.0 94.6 141.8#

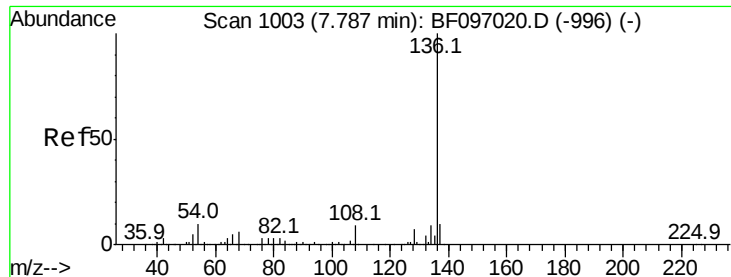


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

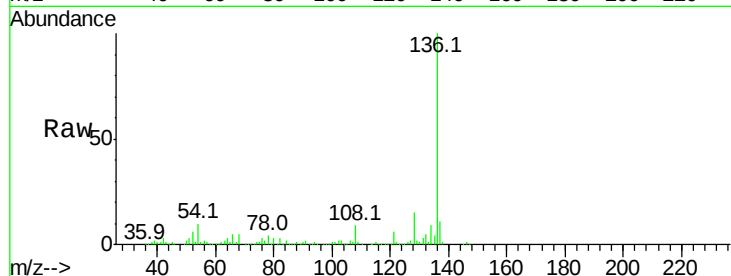




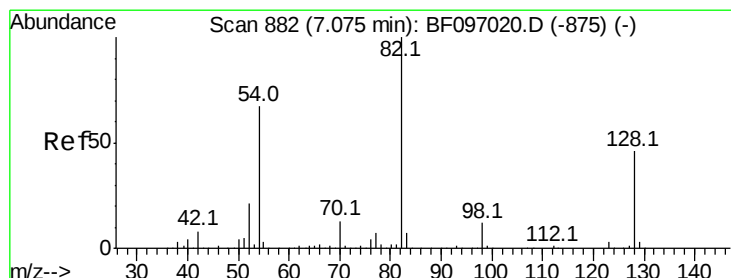
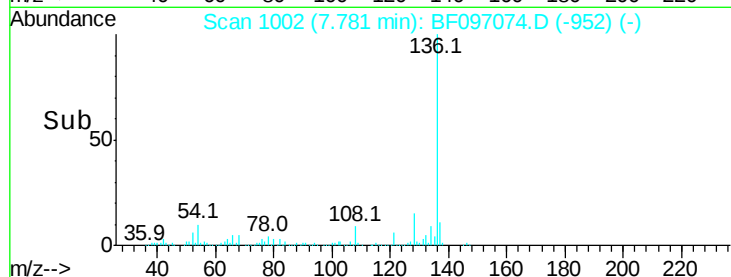
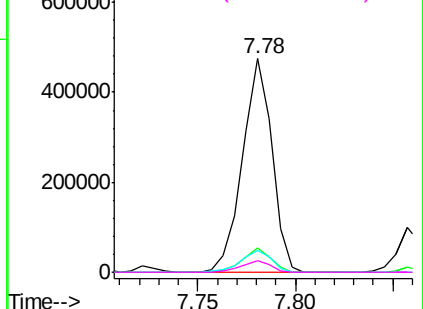
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	495847
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.5 12.7
54	10.4	4.9 7.3#
68	5.2	4.1 6.1

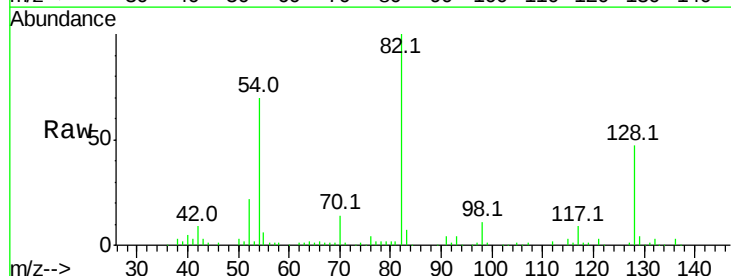


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

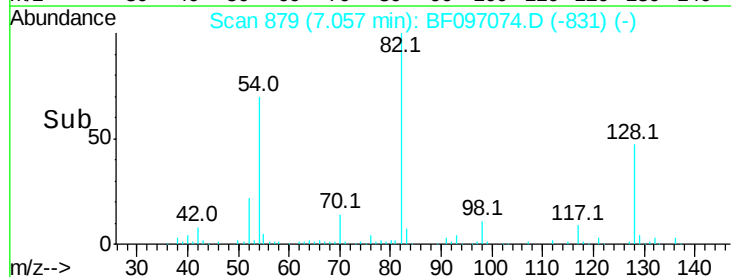
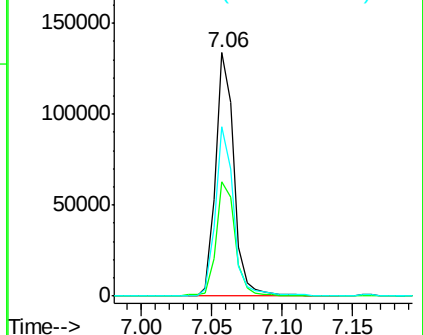


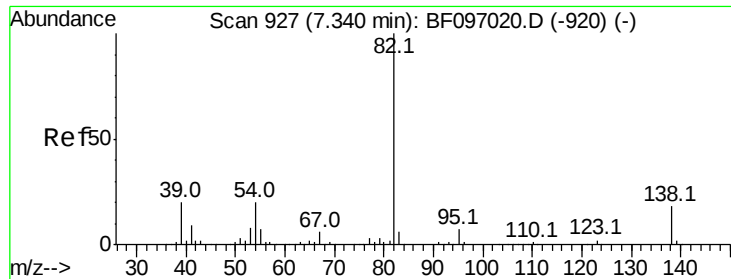
#23
Nitrobenzene-d5
Concen: 14.399 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Tgt Ion: 82	Resp:	121706
Ion	Ratio	Lower Upper
82	100	
128	47.1	34.0 51.0
54	69.5	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: 7.147 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

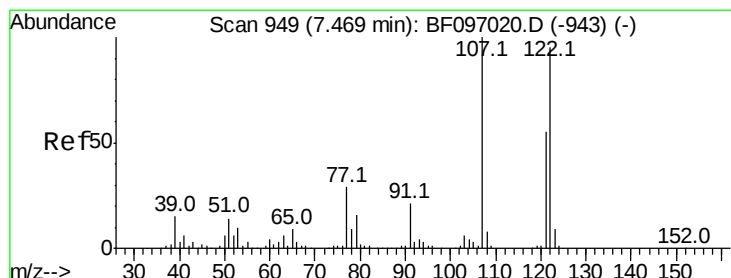
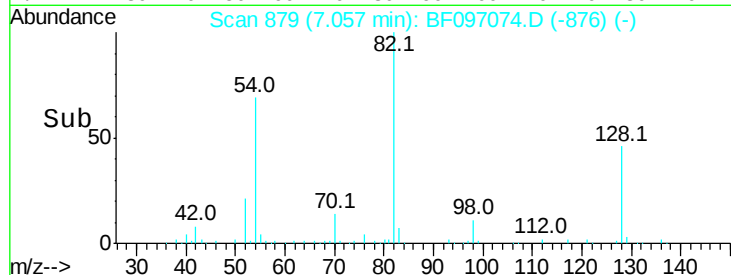
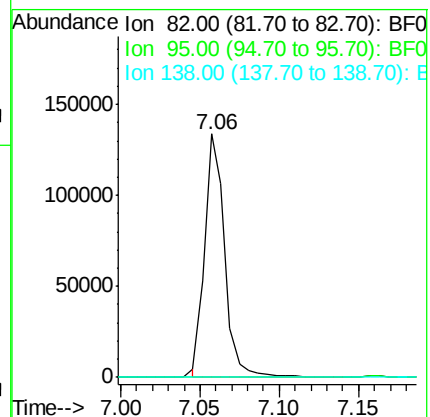
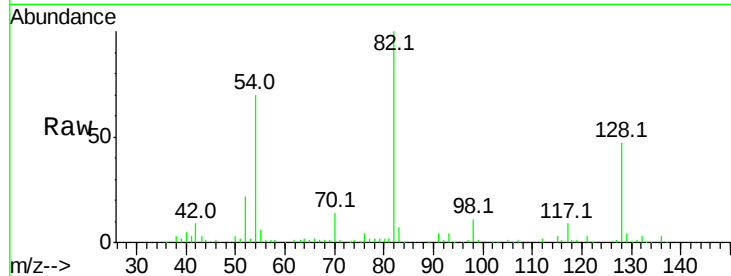
Tot Ion: 82 Resp: 118308

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 14.928 ng

RT: 7.46 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

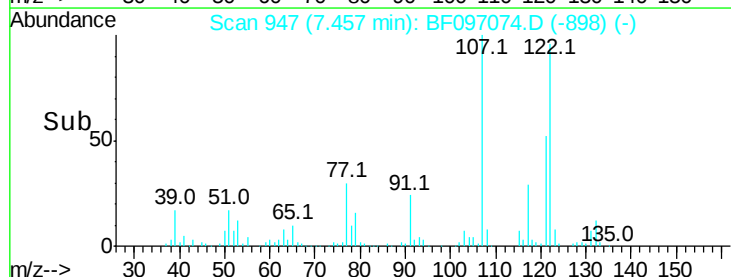
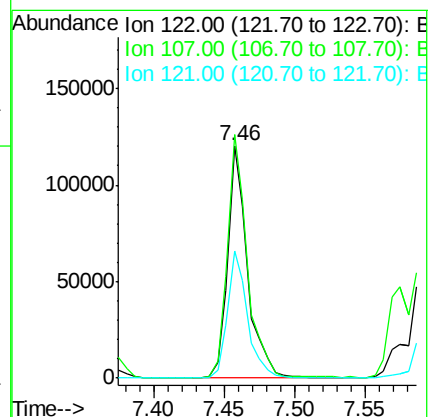
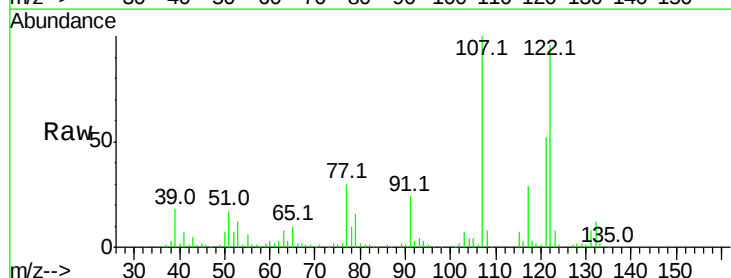
Tgt Ion:122 Resp: 117280

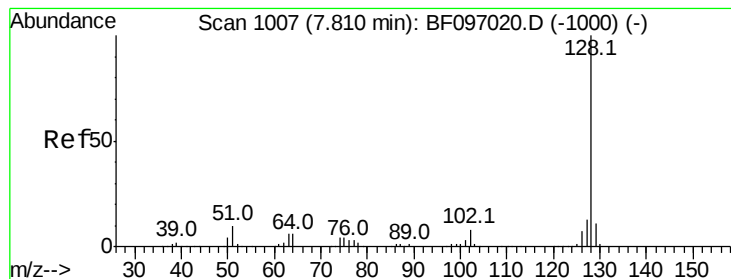
Ion Ratio Lower Upper

122 100

107 104.6 89.2 133.8

121 54.5 45.2 67.8





#31

Naphthalene

Concen: 93.125 ng

RT: 7.81 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampled :

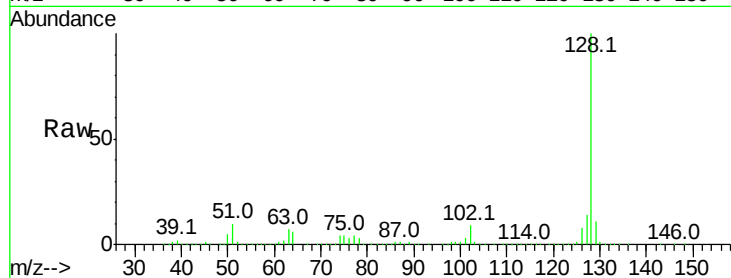
Tot Ion:128 Resp: 2176668

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

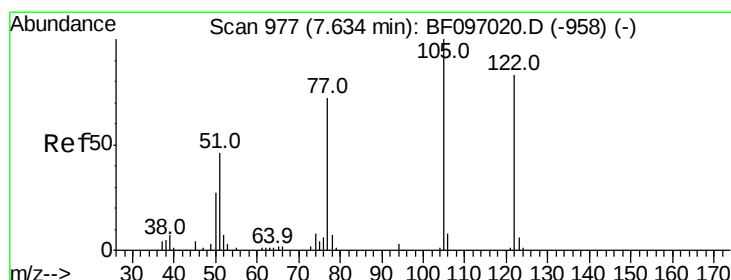
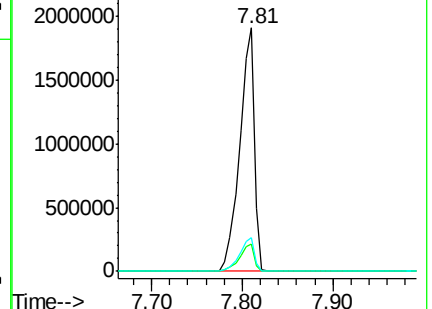
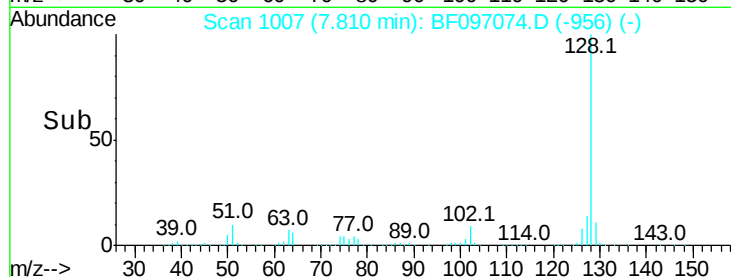
127 14.0 10.8 16.2



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



#32

Benzoic acid

Concen: 3.772 ng

RT: 7.65 min Scan# 980

Delta R.T. 0.02 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

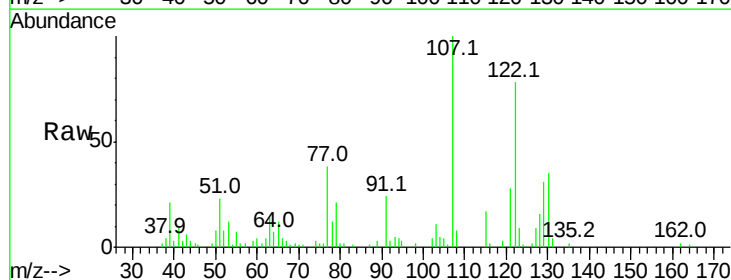
Tgt Ion:122 Resp: 22126

Ion Ratio Lower Upper

122 100

105 5.5 103.3 143.3#

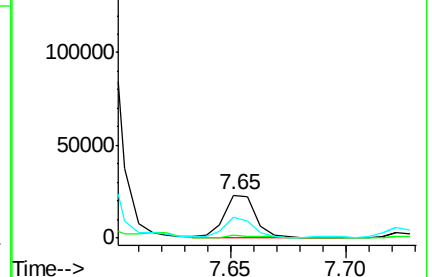
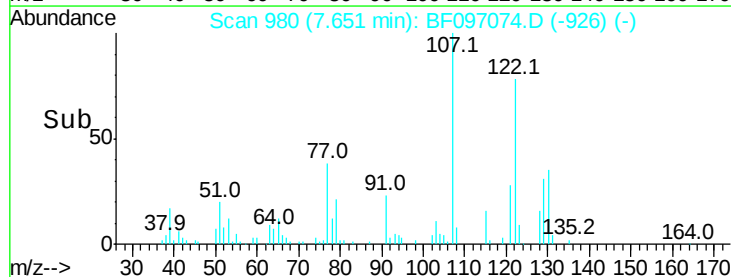
77 48.7 73.7 113.7#

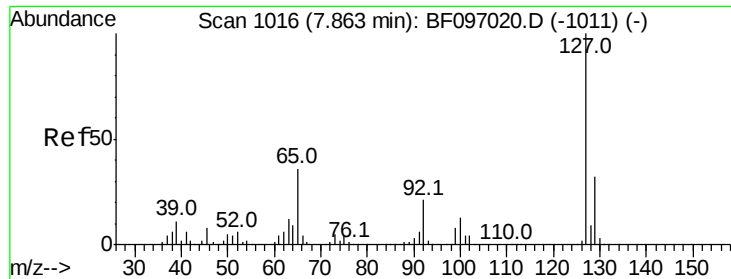


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

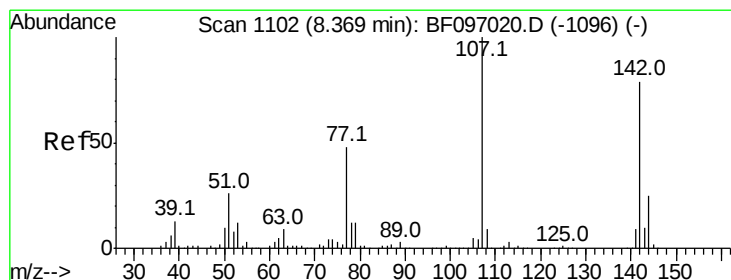
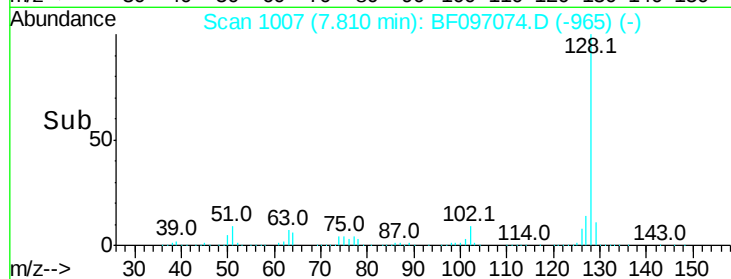
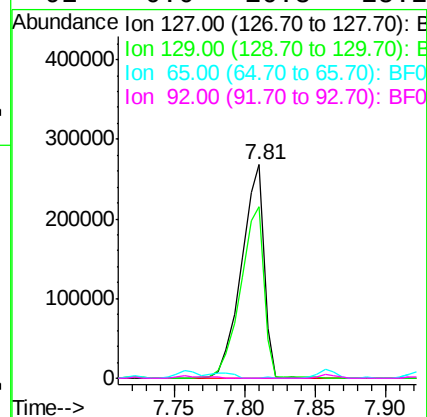
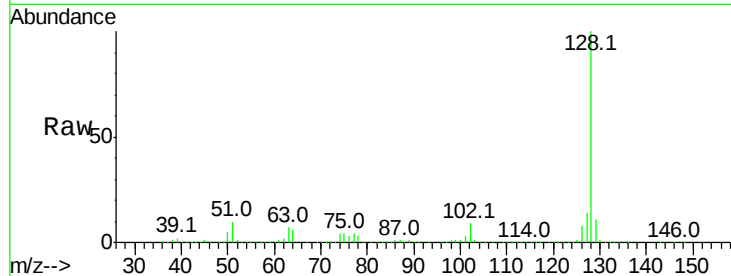




#33
4-Chloroaniline
Concen: 31.372 ng
RT: 7.81 min Scan# 1007
Delta R.T. -0.05 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

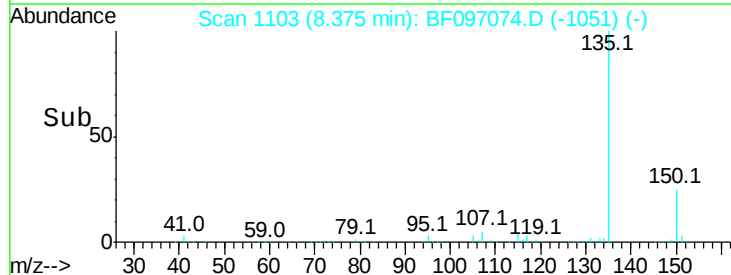
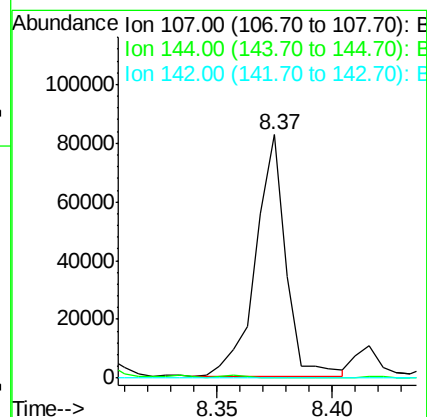
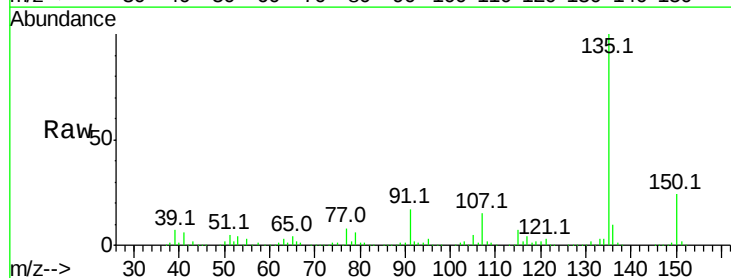
Instrument :
BNA_F
ClientSampleId :

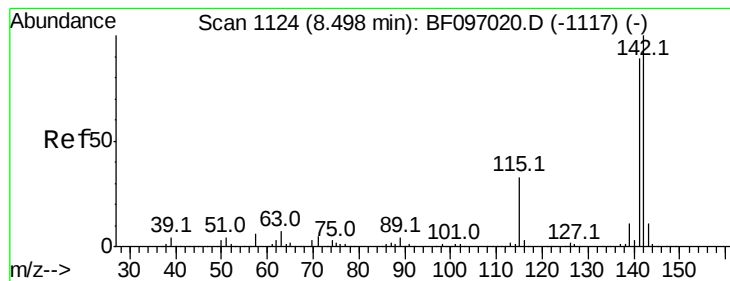
Tot Ion:	127	Resp:	298369
Ion	Ratio	Lower	Upper
127	100		
129	80.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#36
4-Chloro-3-methylphenol
Concen: 10.156 ng
RT: 8.37 min Scan# 1103
Delta R.T. 0.01 min
Lab File: BF097074.D
Acq: 26 Jul 2017 14:40

Tgt Ion:	107	Resp:	74991
Ion	Ratio	Lower	Upper
107	100		
144	0.0	24.2	36.4#
142	0.0	73.4	110.0#

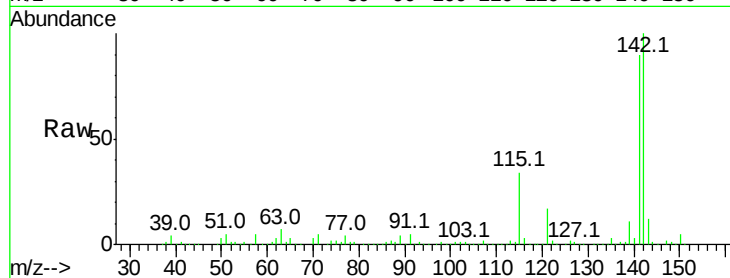




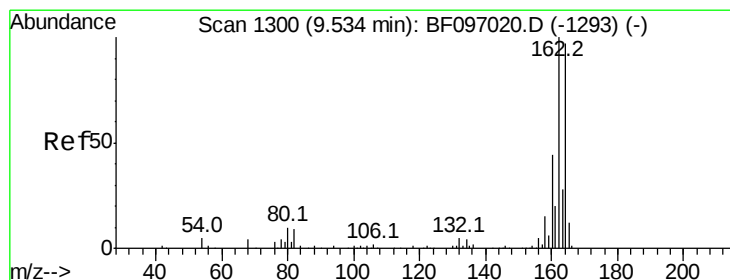
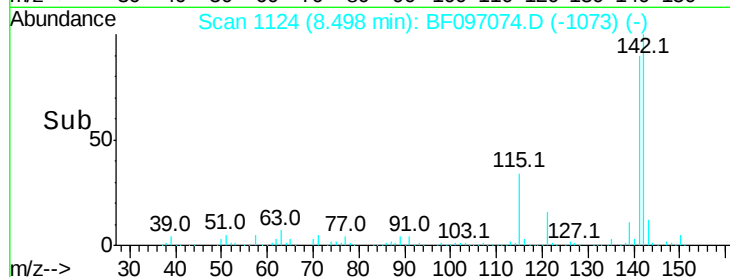
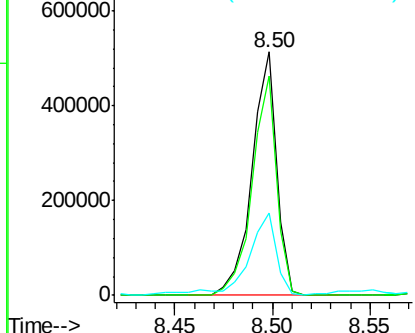
#37
 2-Methylnaphthalene
 Concen: 30.348 ng
 RT: 8.50 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	33.7	27.1	40.7

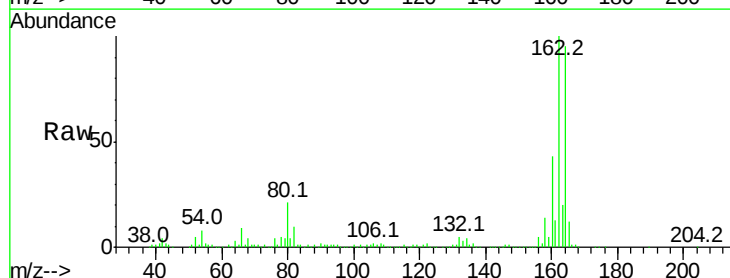


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

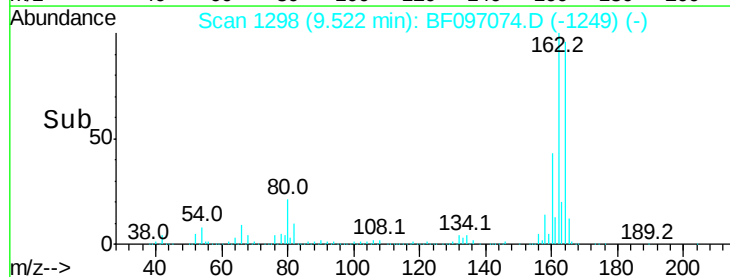
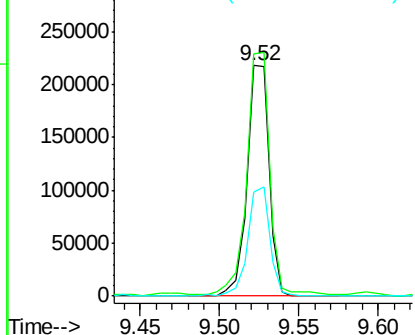


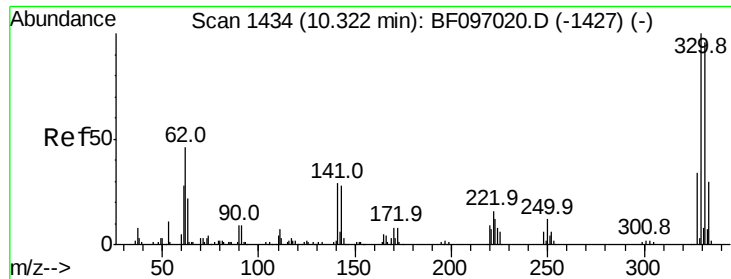
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	45.1	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

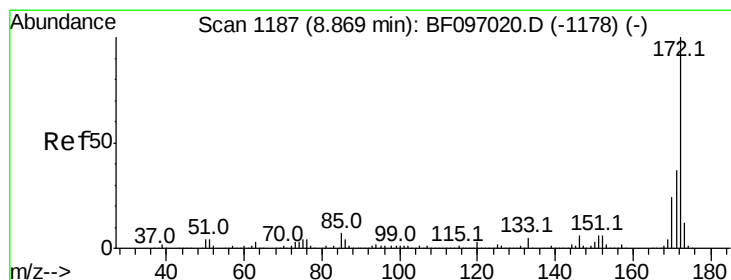
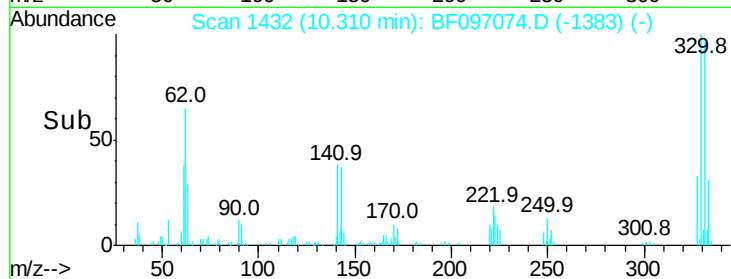
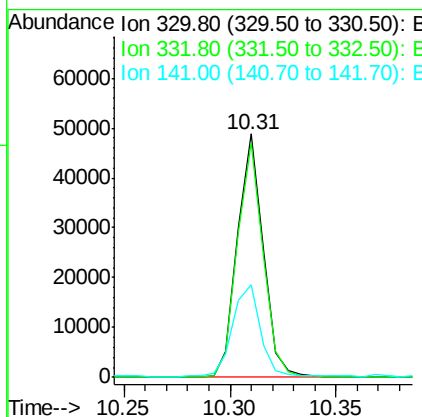
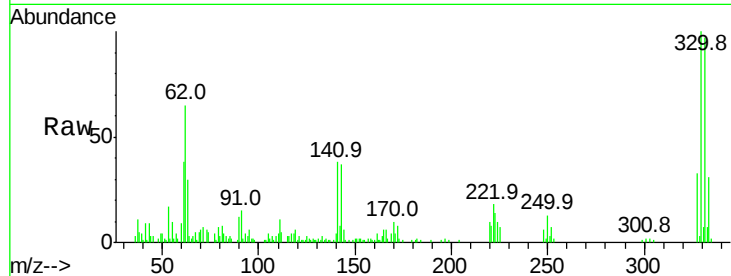




#41
 2,4,6-Tribromophenol
 Concen: 24.887 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

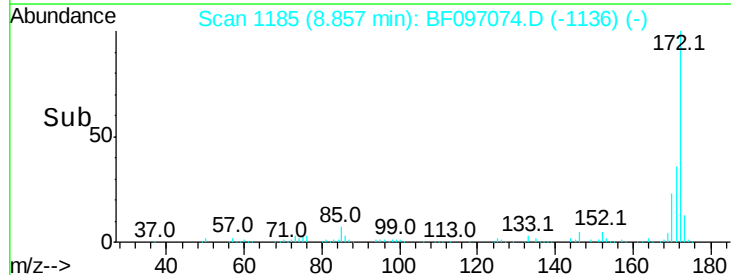
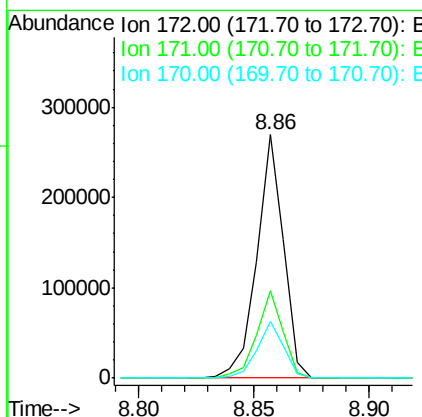
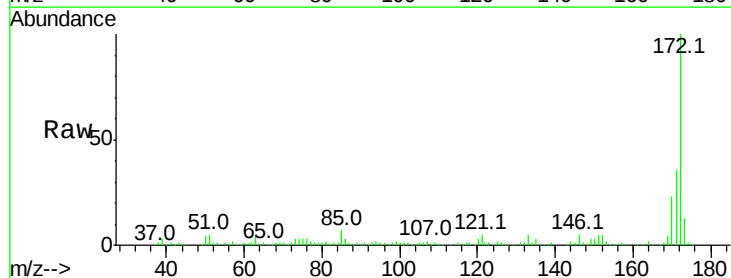
Instrument :
 BNA_F
 ClientSampleId :

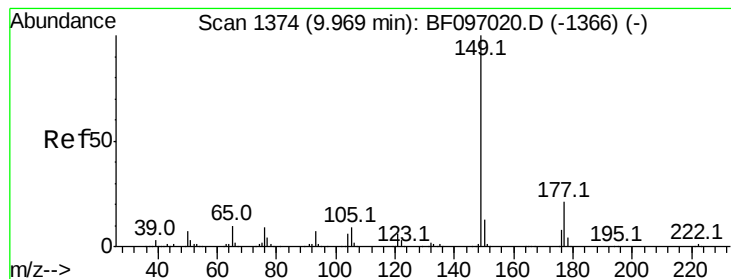
Tot Ion:330 Resp: 41145
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 43.6 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 17.650 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097074.D
 Acq: 26 Jul 2017 14:40

Tgt Ion:172 Resp: 217623
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.2 19.8 29.8





#59

Diethylphthalate

Concen: 2.413 ng

RT: 9.96 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

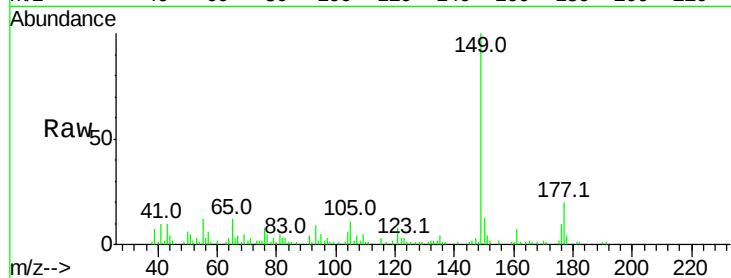
Tot Ion:149 Resp: 35180

Ion Ratio Lower Upper

149 100

177 19.6 16.7 25.1

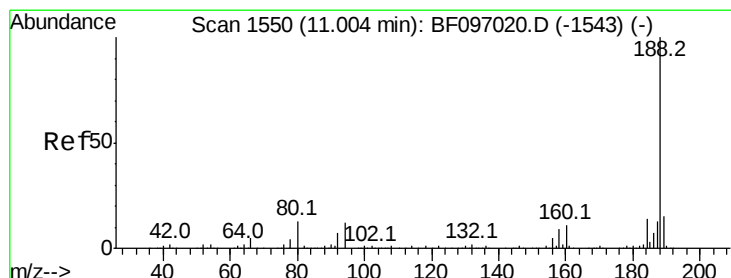
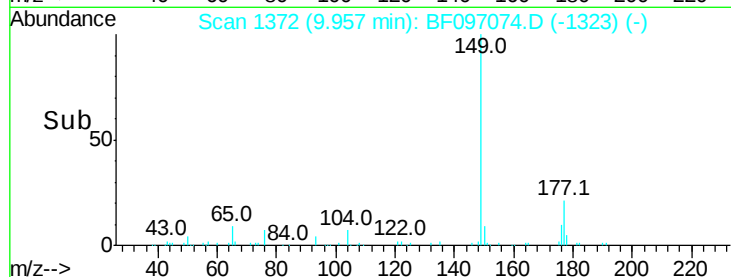
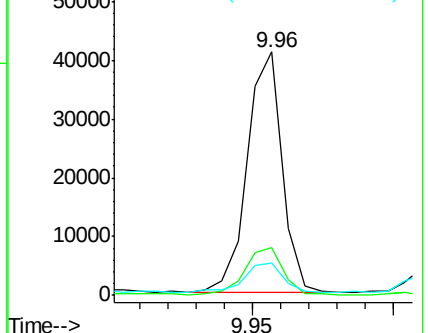
150 13.3 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

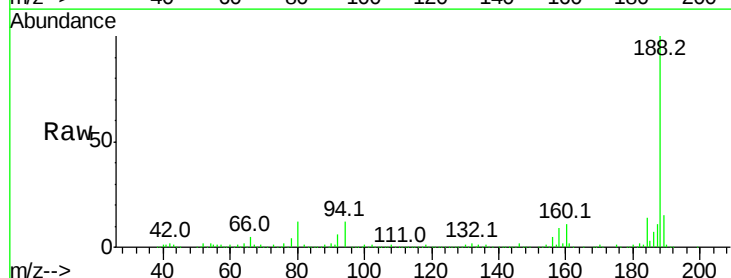
Tgt Ion:188 Resp: 316471

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

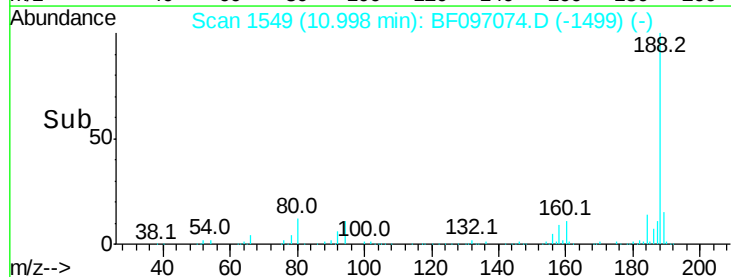
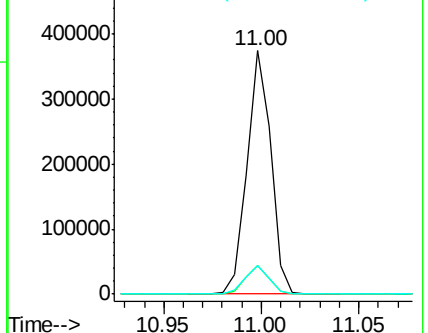
80 11.6 10.2 15.2

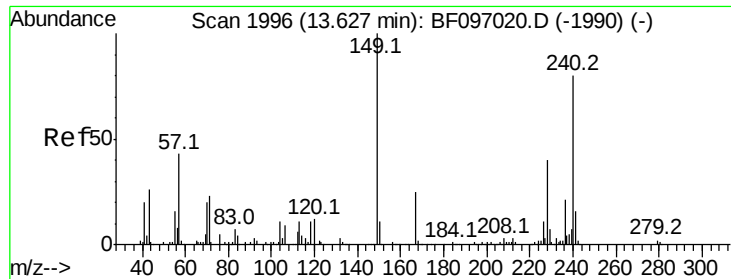


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

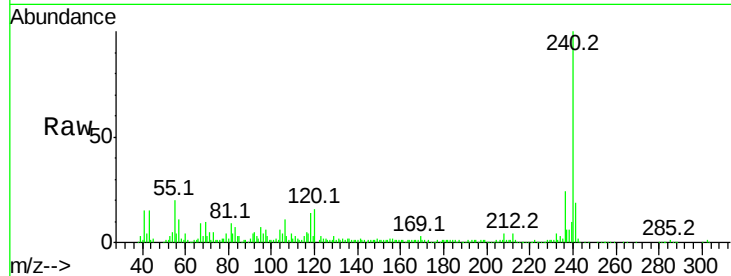
Tot Ion:240 Resp: 197334

Ion Ratio Lower Upper

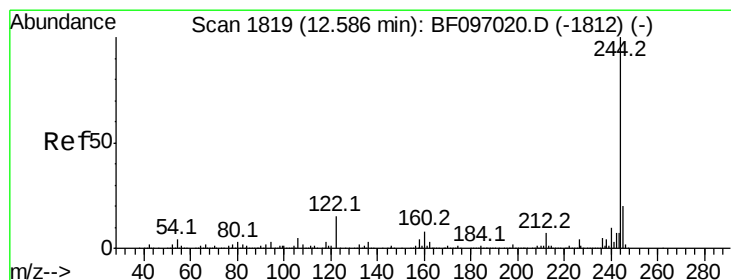
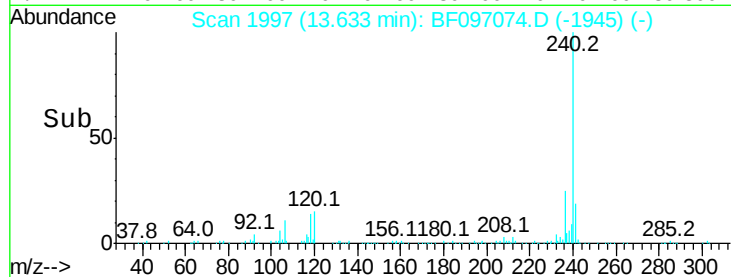
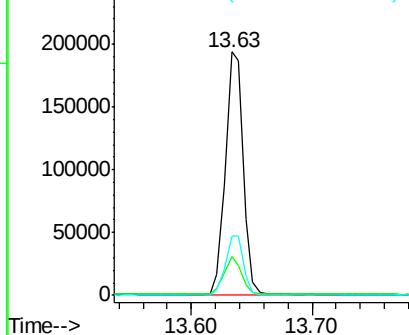
240 100

120 16.1 5.8 8.8#

236 24.5 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: 11.426 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

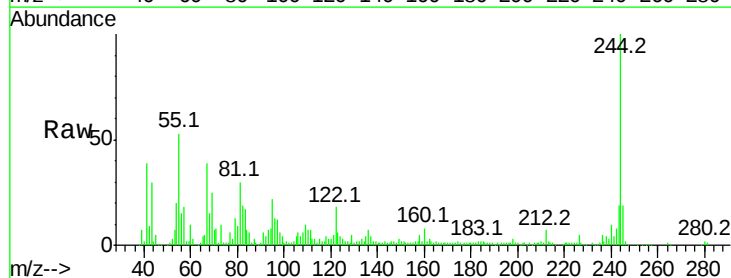
Tgt Ion:244 Resp: 110590

Ion Ratio Lower Upper

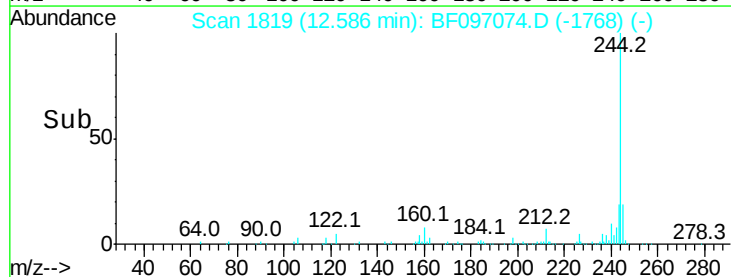
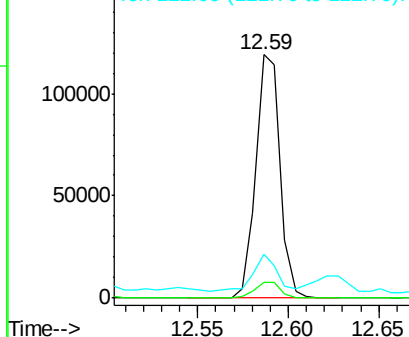
244 100

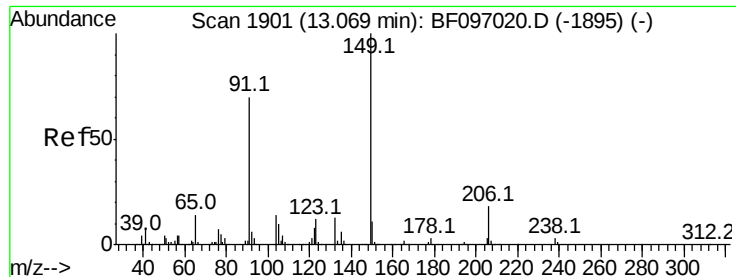
212 6.7 6.0 9.0

122 17.9 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





#79

Butylbenzylphthalate

Concen: 2.185 ng

RT: 13.07 min Scan# 1901

Delta R.T. -0.00 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

Instrument :

BNA_F

ClientSampleId :

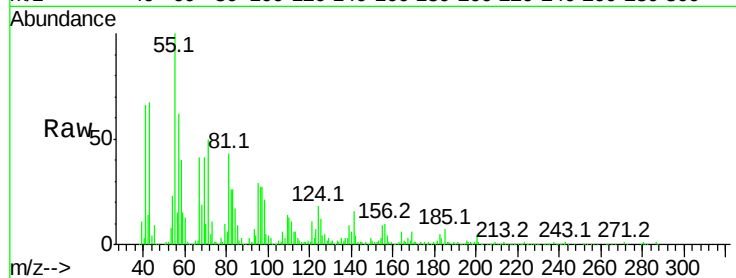
Tot Ion:149 Resp: 17957

Ion Ratio Lower Upper

149 100

91 103.1 45.0 67.4#

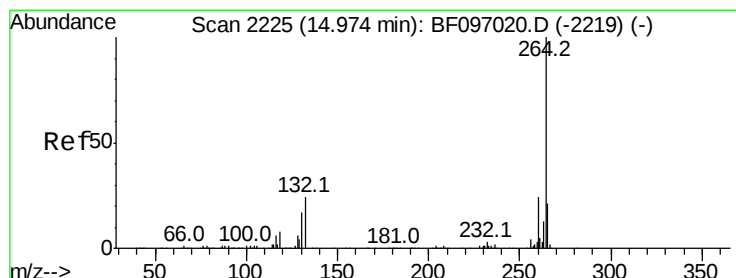
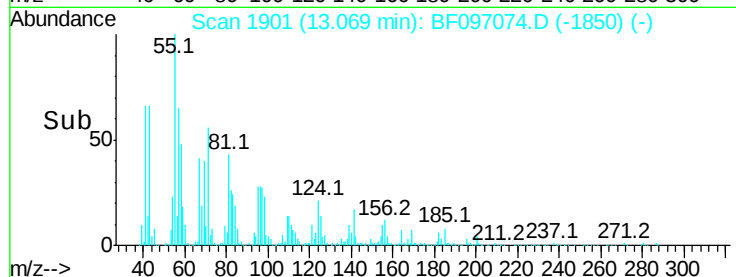
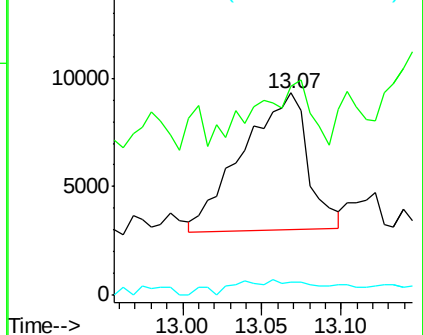
206 6.8 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 14.98 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF097074.D

Acq: 26 Jul 2017 14:40

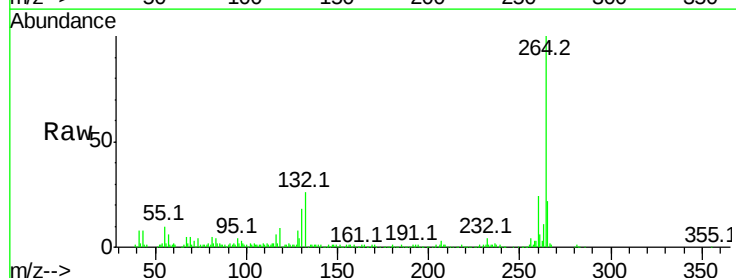
Tgt Ion:264 Resp: 186635

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.7 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

