

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097077.D
 Acq On : 26 Jul 2017 16:09
 Operator : SJ/JU
 Sample : I4443-05DL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 17:50:30 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

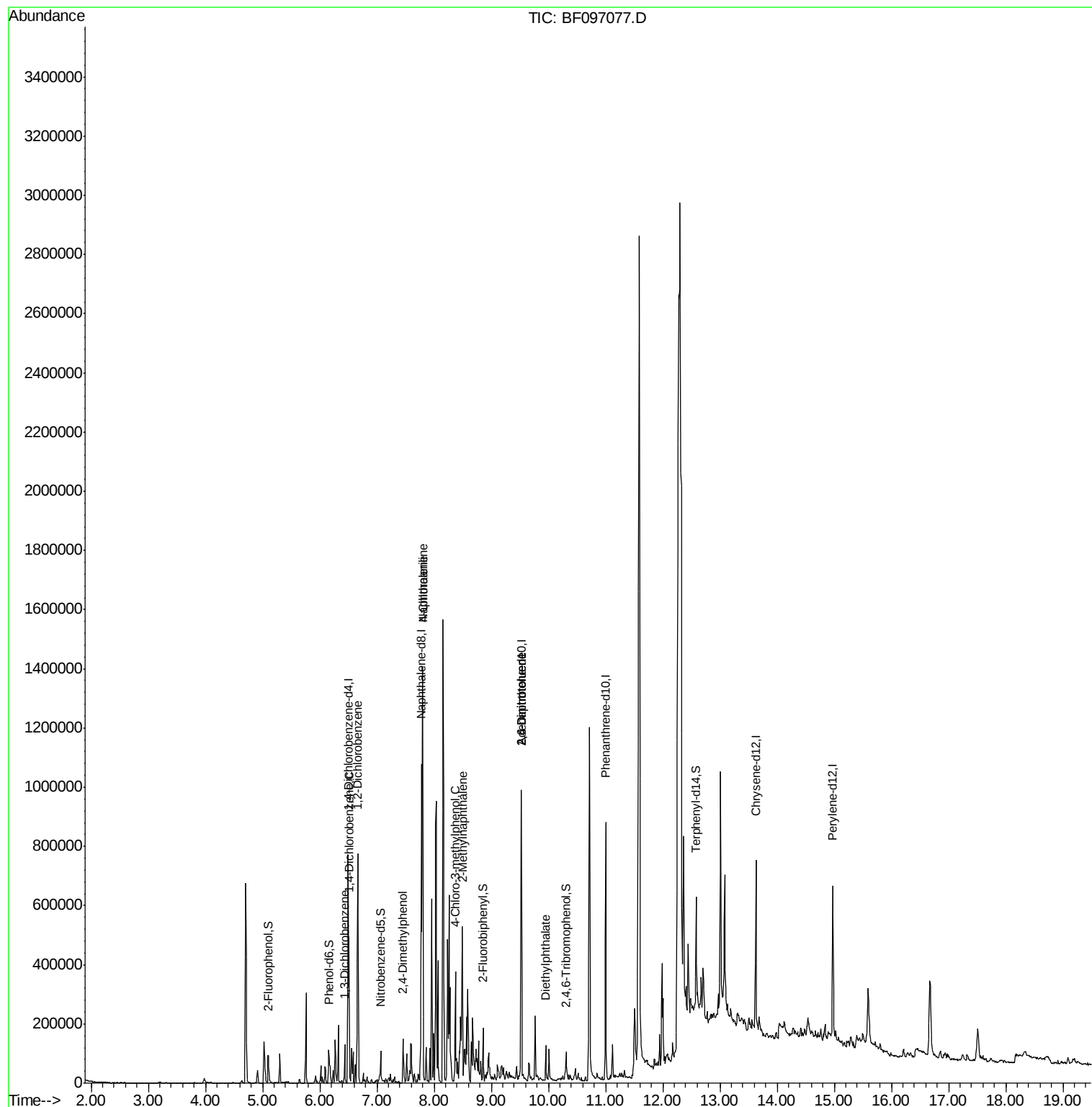
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	104079	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	461432	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	201731	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	295554	20.00	ng	0.00
75) Chrysene-d12	13.63	240	199020	20.00	ng	0.00
86) Perylene-d12	14.97	264	194184	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	36158	5.24	ng	0.00
7) Phenol-d6	6.16	99	40176	5.10	ng	-0.01
23) Nitrobenzene-d5	7.06	82	24828	3.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	8905	5.59	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	48493	4.08	ng	-0.01
78) Terphenyl-d14	12.58	244	27559	2.82	ng	0.00
Target Compounds						
12) 1,3-Dichlorobenzene	6.43	146	30211	3.797	ng	97
13) 1,4-Dichlorobenzene	6.51	146	107550	13.641	ng	94
14) 1,2-Dichlorobenzene	6.66	146	160528	23.318	ng	97
27) 2,4-Dimethylphenol	7.46	122	23172	3.169	ng	95
31) Naphthalene	7.80	128	593870	27.303	ng	100
33) 4-Chloroaniline	7.80	127	77777	8.788	ng	# 31
36) 4-Chloro-3-methylphenol	8.37	107	17137	2.494	ng	# 14
37) 2-Methylnaphthalene	8.49	142	110981	8.058	ng	98
50) 2,6-Dinitrotoluene	9.52	165	26036	8.013	ng	# 32
56) 2,4-Dinitrotoluene	9.52	165	26036	6.971	ng	# 32
59) Diethylphthalate	9.96	149	44294	3.152	ng	99

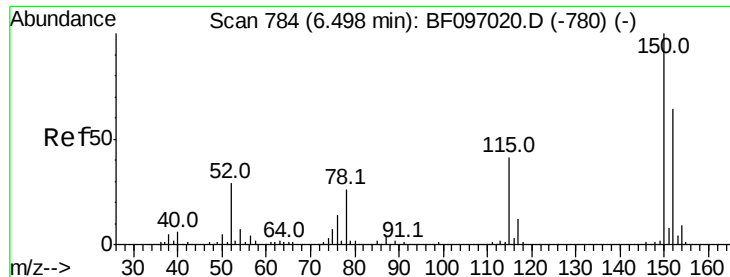
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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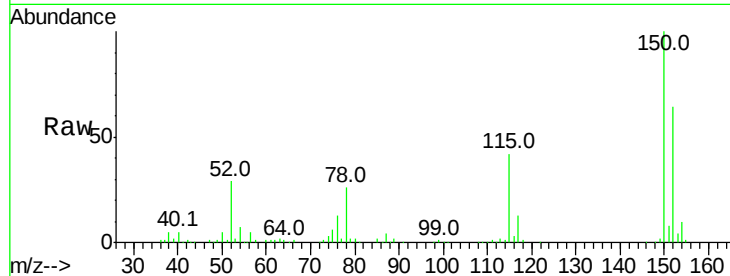


#1

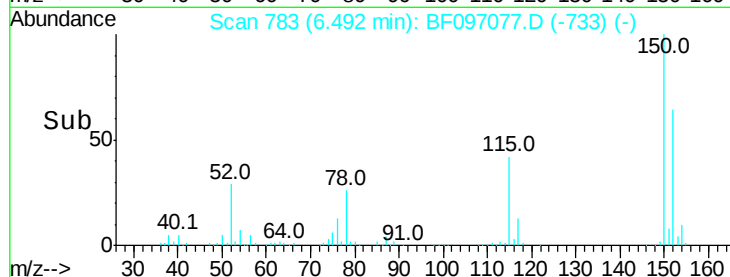
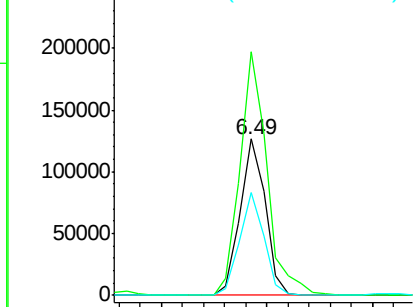
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097077.D
Acq: 26 Jul 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104079
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 65.8 52.2 78.2



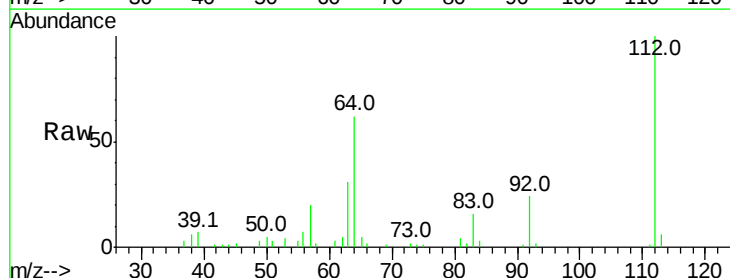
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



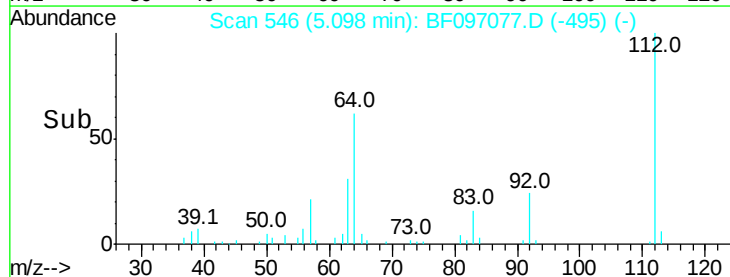
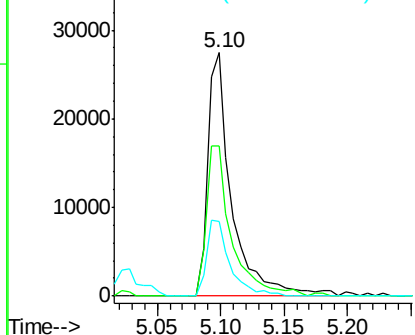
#5

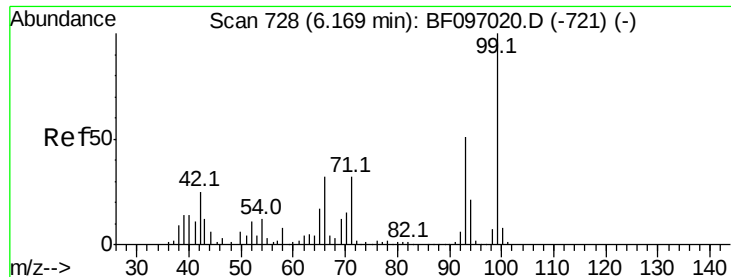
2-Fluorophenol
Concen: 5.237 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097077.D
Acq: 26 Jul 2017 16:09

Tgt Ion:112 Resp: 36158
Ion Ratio Lower Upper
112 100
64 61.6 46.0 69.0
63 30.8 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: 5.097 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

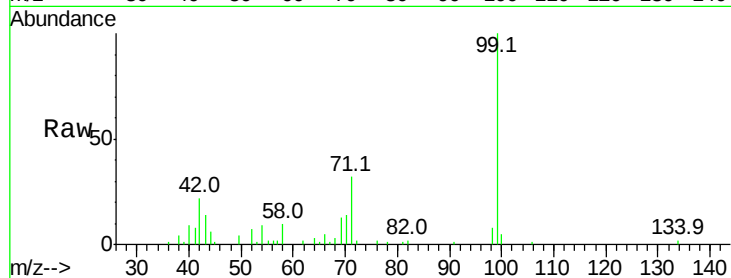
Tot Ion: 99 Resp: 40176

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

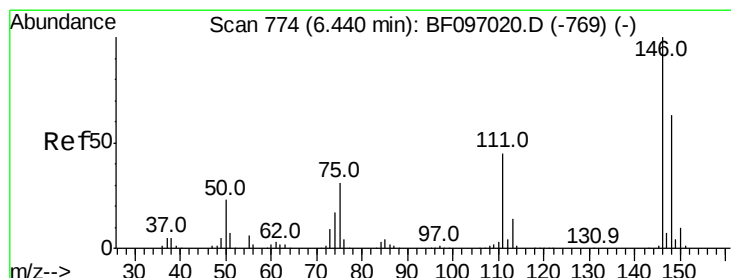
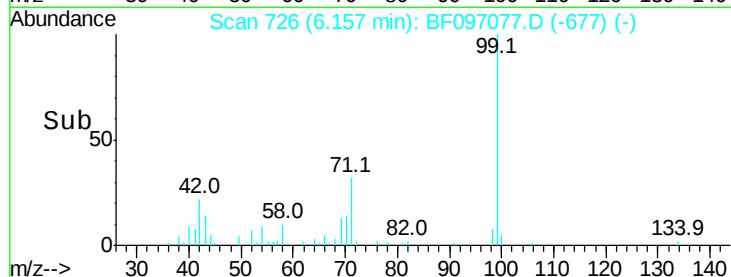
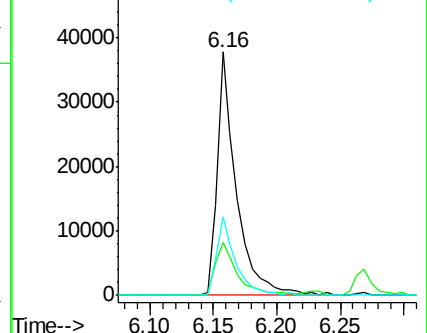
71 32.4 24.5 36.7



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



#12

1,3-Dichlorobenzene

Concen: 3.797 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

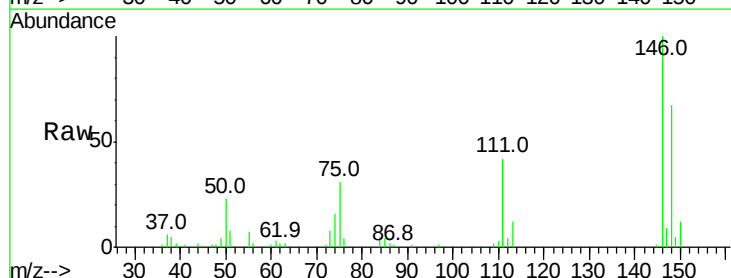
Tgt Ion: 146 Resp: 30211

Ion Ratio Lower Upper

146 100

148 66.6 51.8 77.6

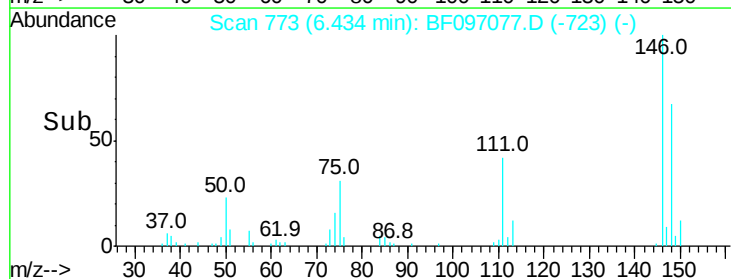
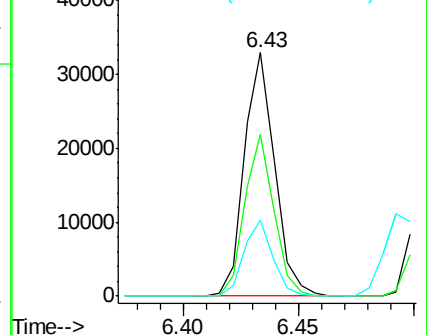
75 31.1 23.1 34.7

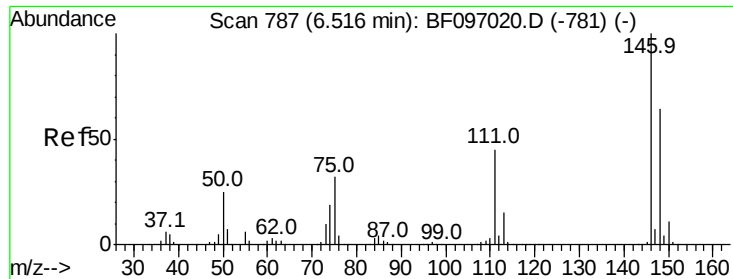


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 13.641 ng

RT: 6.51 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

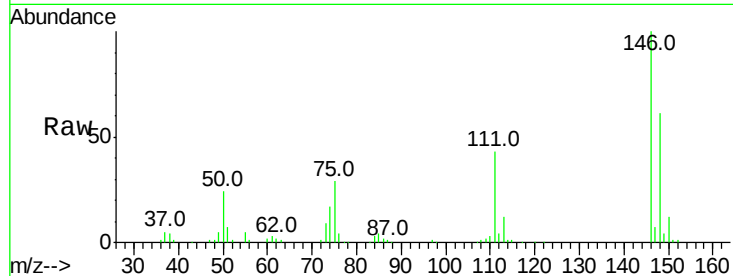
Tot Ion:146 Resp: 107550

Ion Ratio Lower Upper

146 100

148 61.3 52.2 78.2

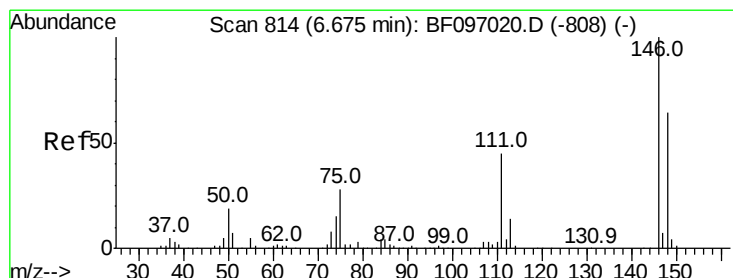
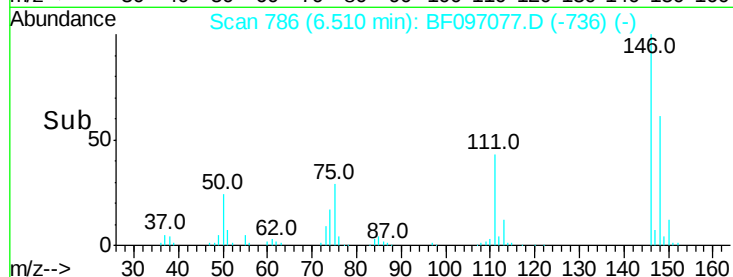
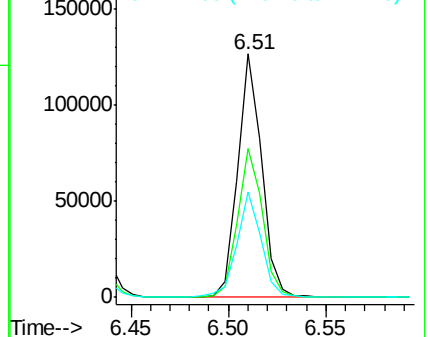
111 43.1 30.3 45.5



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



#14

1,2-Dichlorobenzene

Concen: 23.318 ng

RT: 6.66 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

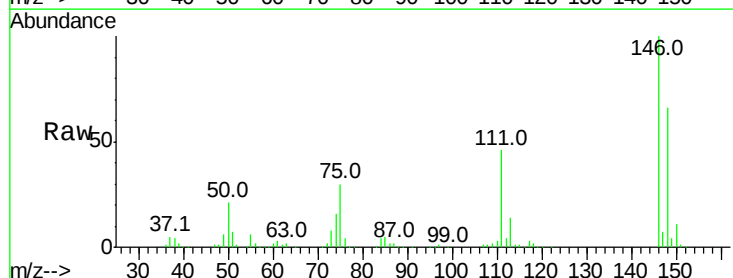
Tgt Ion:146 Resp: 160528

Ion Ratio Lower Upper

146 100

148 65.7 50.4 75.6

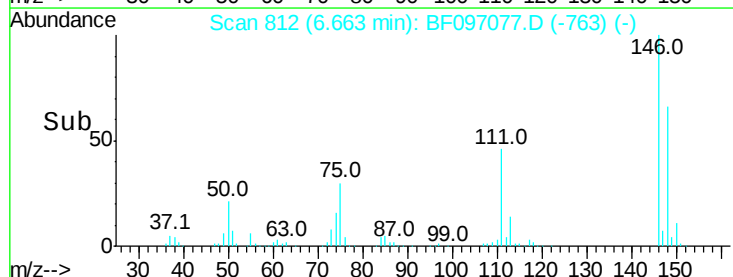
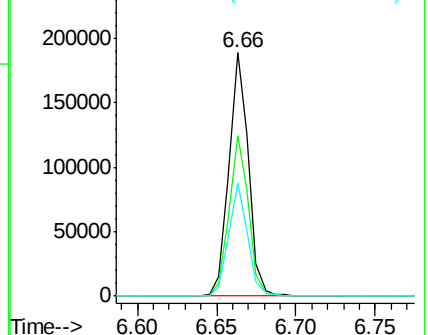
111 46.5 38.2 57.4

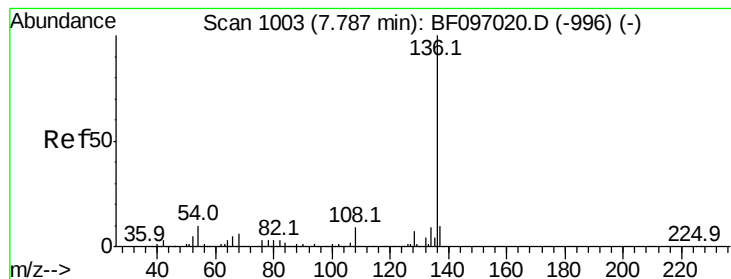


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097077.D

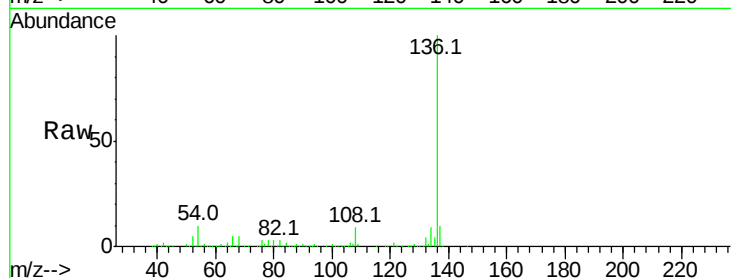
Acq: 26 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	461432
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.5 12.7
54	9.7	4.9 7.3#
68	5.1	4.1 6.1

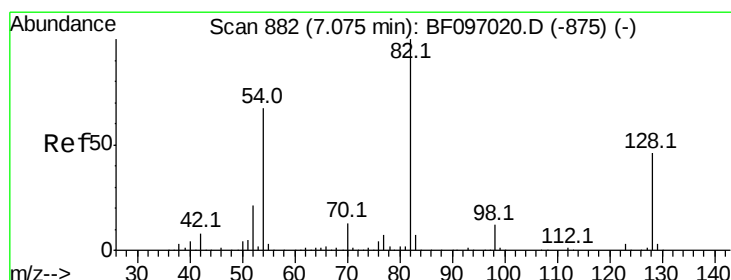
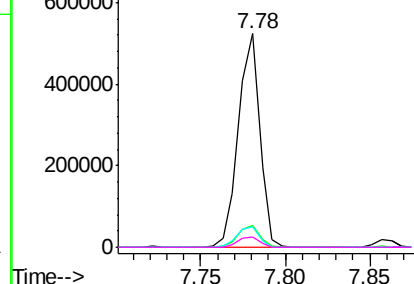
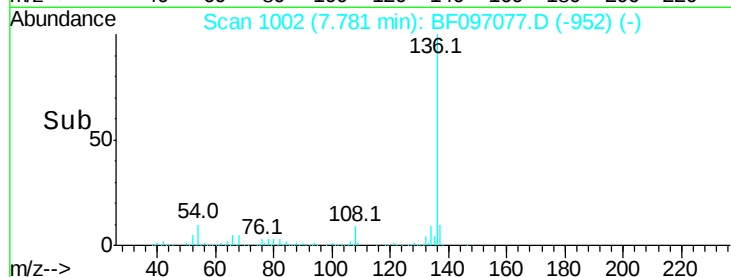


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.156 ng

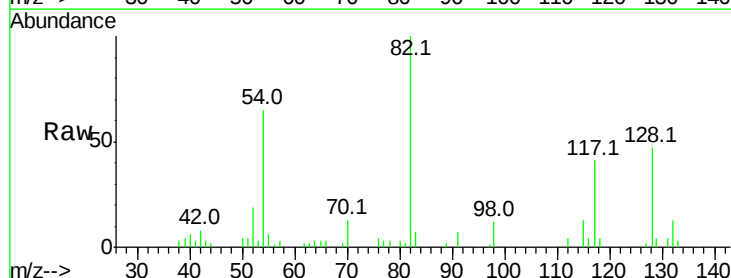
RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

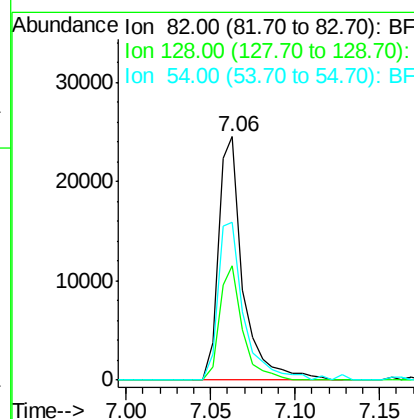
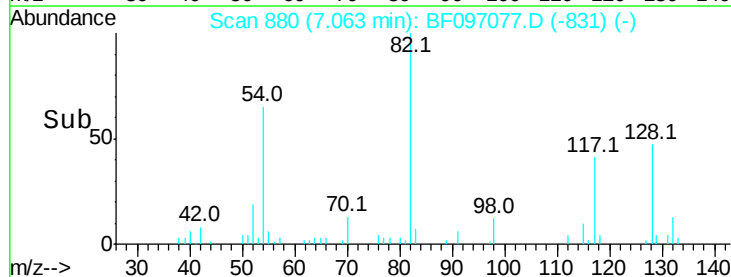
Tgt Ion: 82	Resp:	24828
Ion Ratio	Lower	Upper
82	100	
128	46.9	34.0 51.0
54	64.9	42.2 63.2#

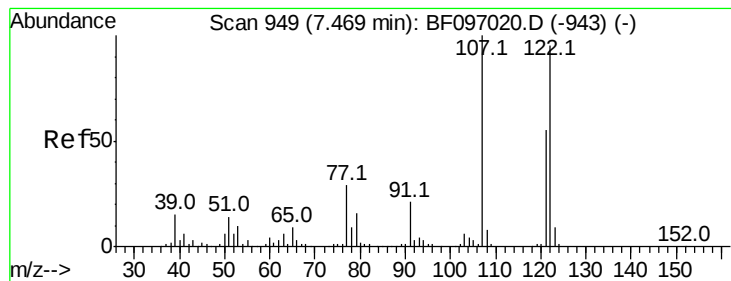


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 3.169 ng

RT: 7.46 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

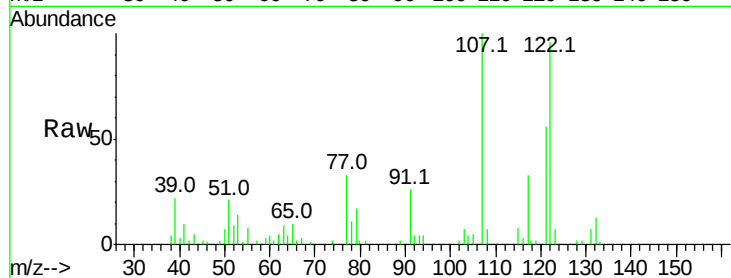
Tot Ion:122 Resp: 23172

Ion Ratio Lower Upper

122 100

107 104.3 89.2 133.8

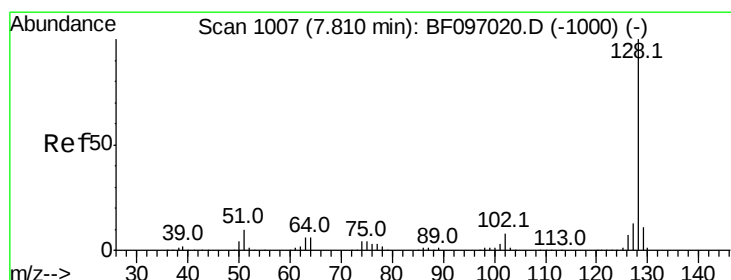
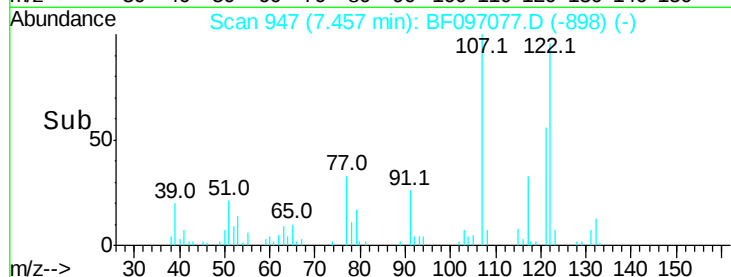
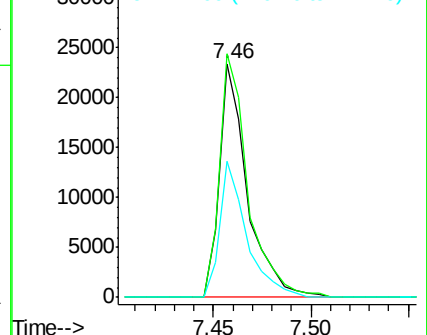
121 58.5 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 27.303 ng

RT: 7.80 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

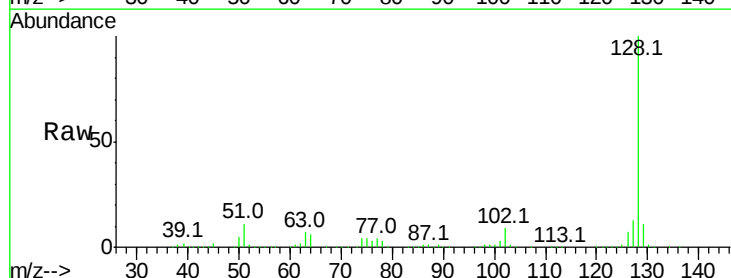
Tgt Ion:128 Resp: 593870

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

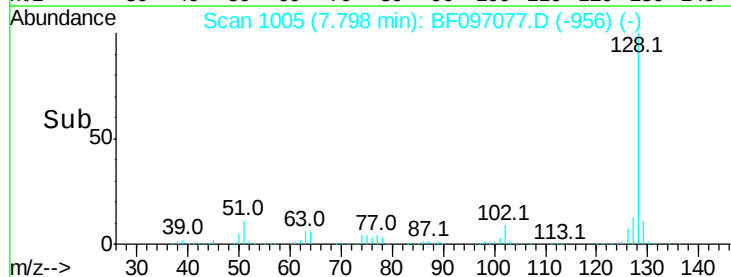
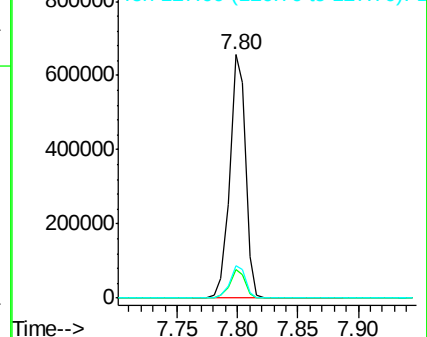
127 13.5 10.8 16.2

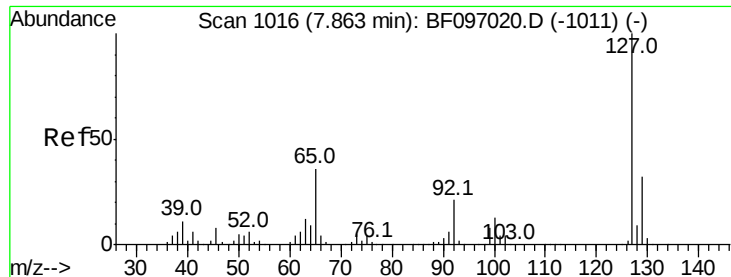


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

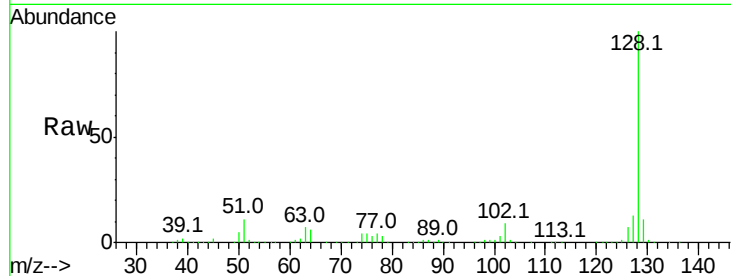




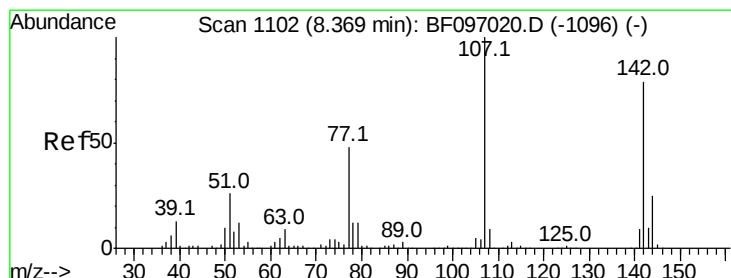
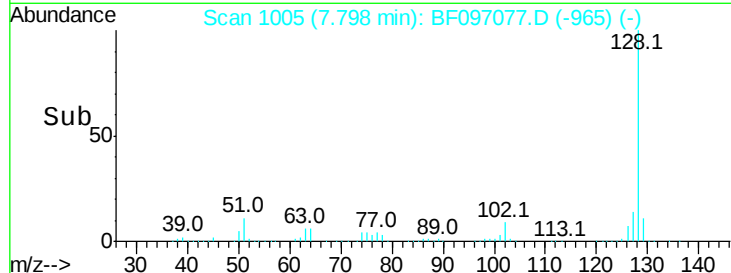
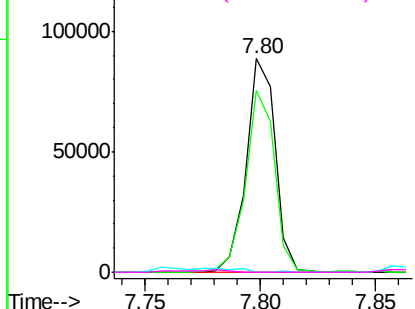
#33
4-Chloroaniline
Concen: 8.788 ng
RT: 7.80 min Scan# 1005
Delta R.T. -0.06 min
Lab File: BF097077.D
Acq: 26 Jul 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127 Resp: 77777
Ion Ratio Lower Upper
127 100
129 85.1 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

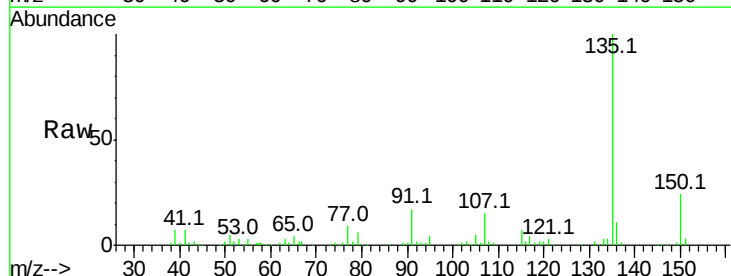


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

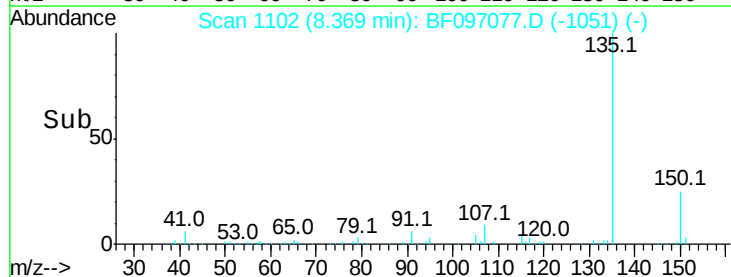
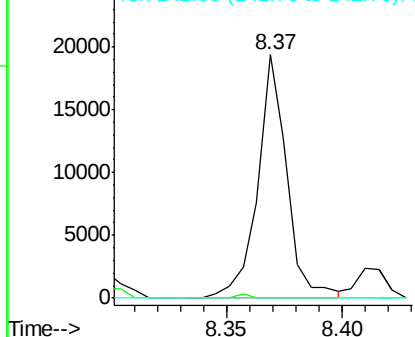


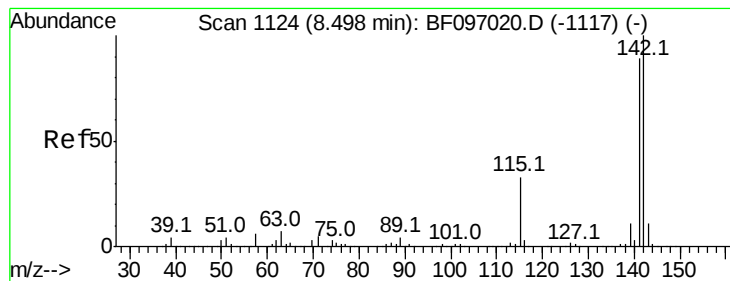
#36
4-Chloro-3-methylphenol
Concen: 2.494 ng
RT: 8.37 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BF097077.D
Acq: 26 Jul 2017 16:09

Tgt Ion:107 Resp: 17137
Ion Ratio Lower Upper
107 100
144 0.0 24.2 36.4#
142 0.0 73.4 110.0#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 8.058 ng

RT: 8.49 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

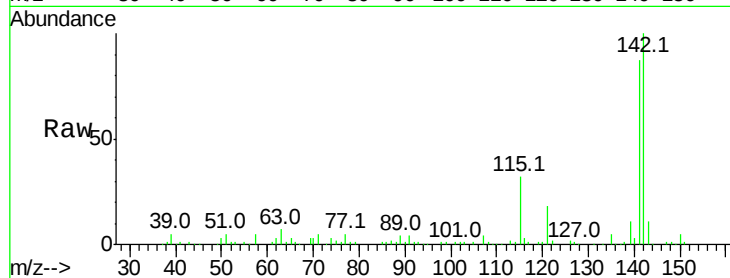
Tot Ion:142 Resp: 110981

Ion Ratio Lower Upper

142 100

141 87.5 71.3 106.9

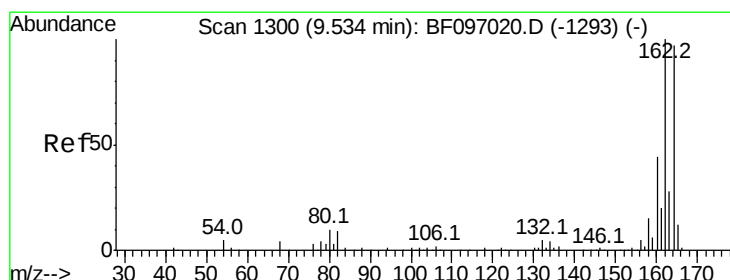
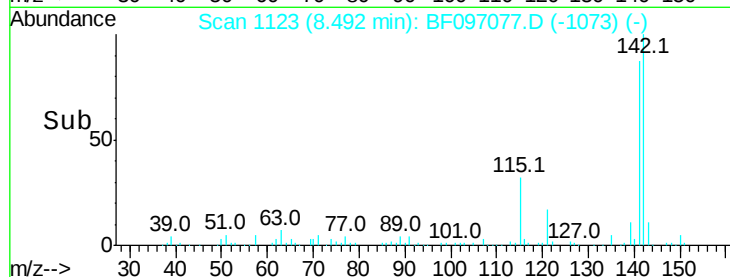
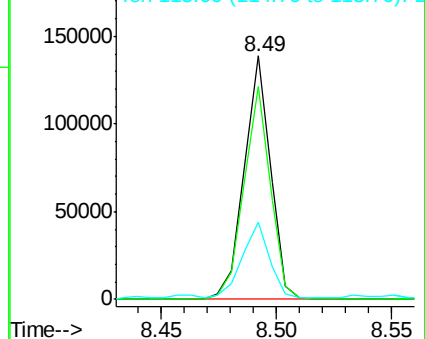
115 31.8 27.1 40.7



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: BF097077.D

Acq: 26 Jul 2017 16:09

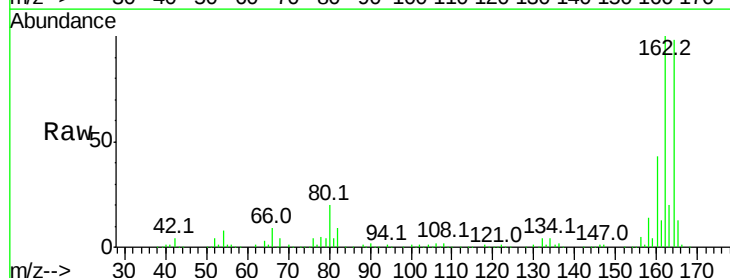
Tgt Ion:164 Resp: 201731

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

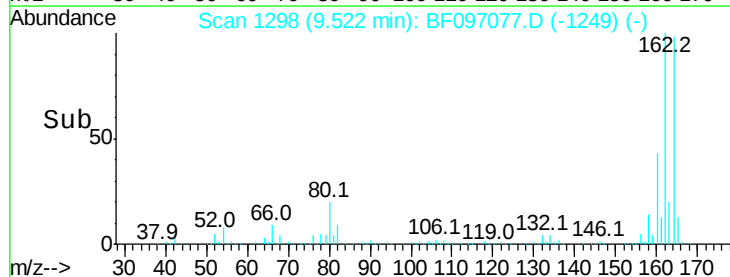
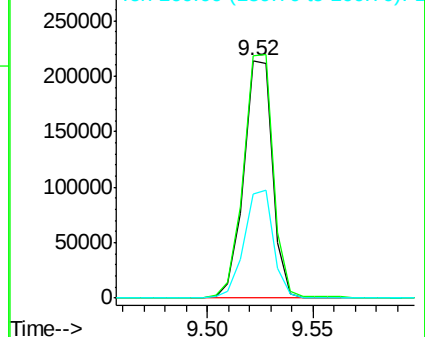
160 43.9 36.2 54.2

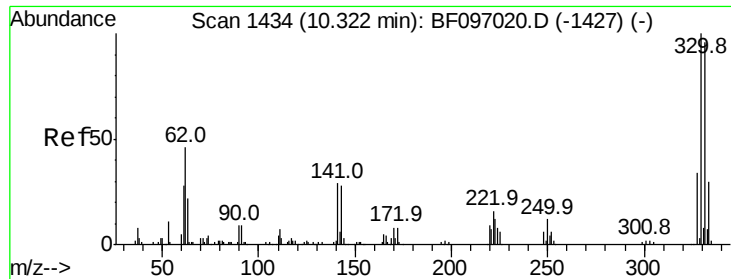


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

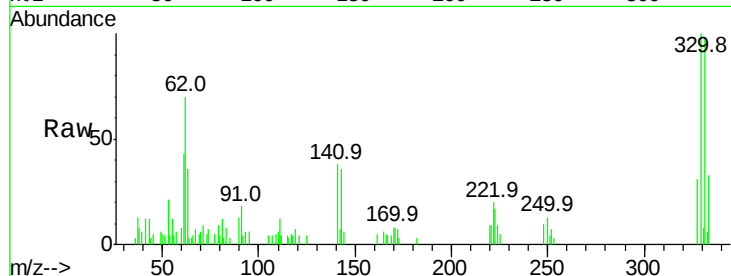




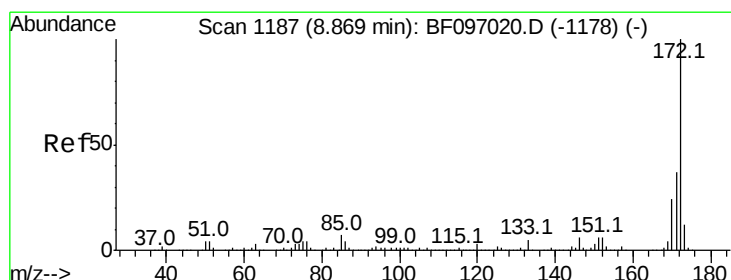
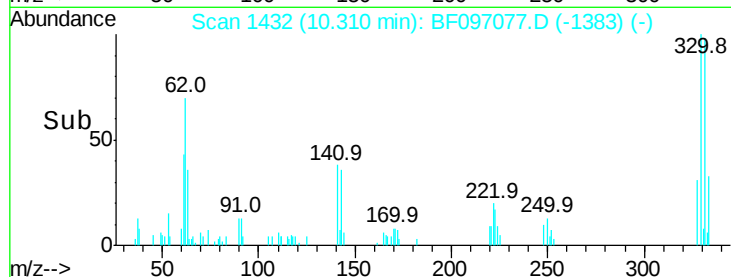
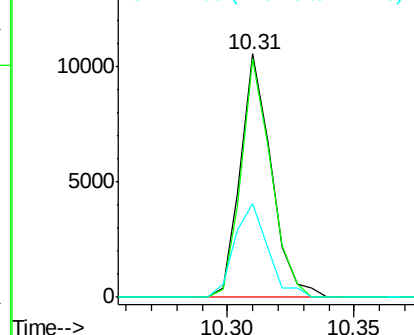
#41
 2,4,6-Tribromophenol
 Concen: 5.587 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	41.2	31.4	47.2

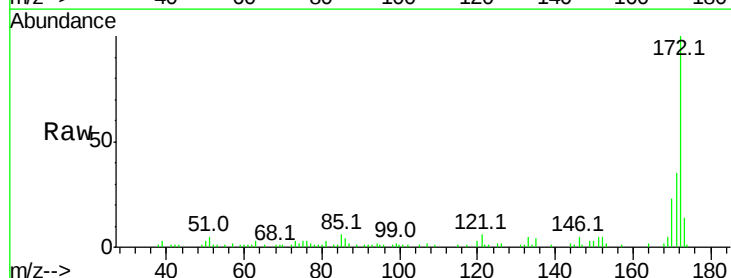


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

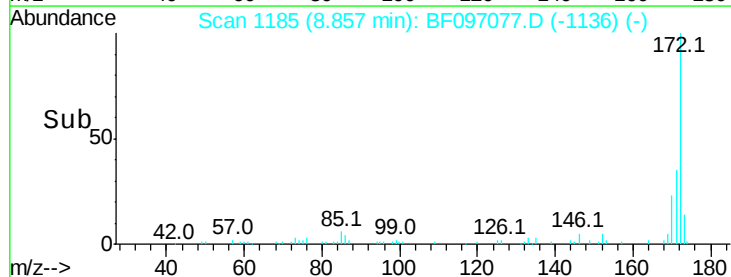
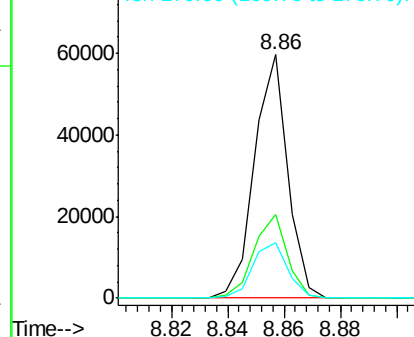


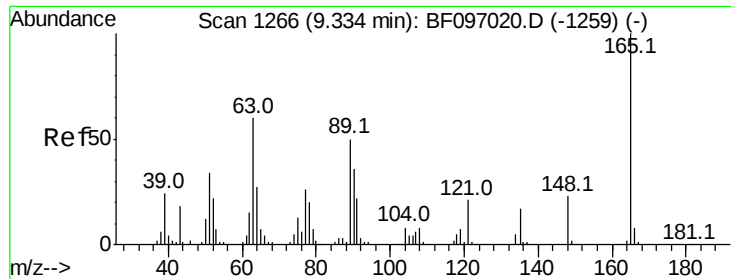
#44
 2-Fluorobiphenyl
 Concen: 4.080 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	22.8	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

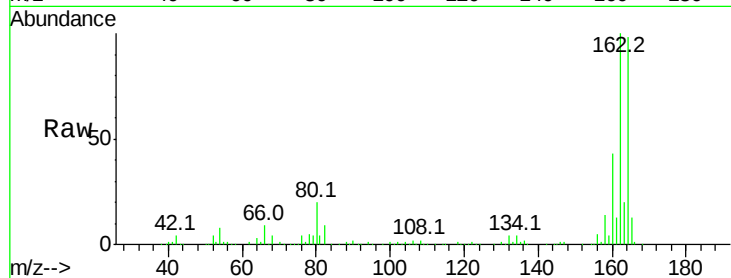




#50
 2,6-Dinitrotoluene
 Concen: 8.013 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. 0.19 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

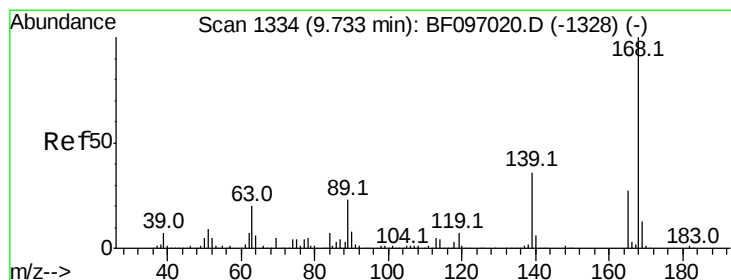
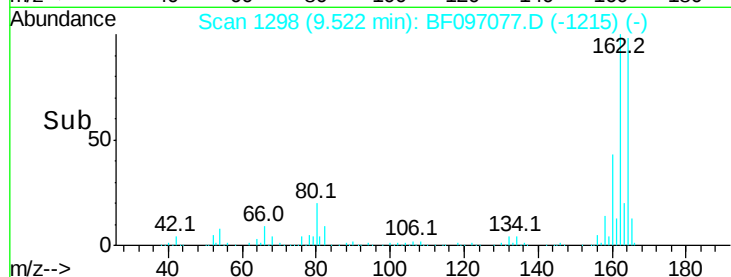
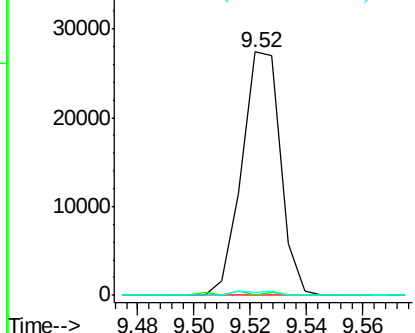
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.4	37.1	55.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.971 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

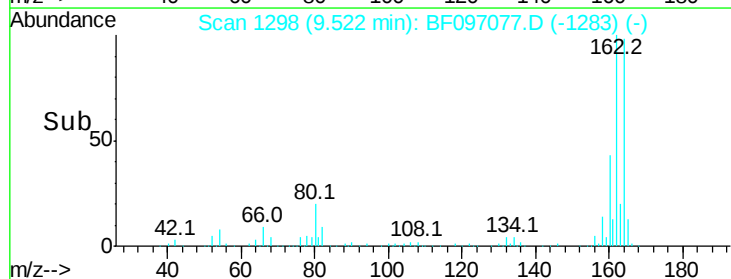
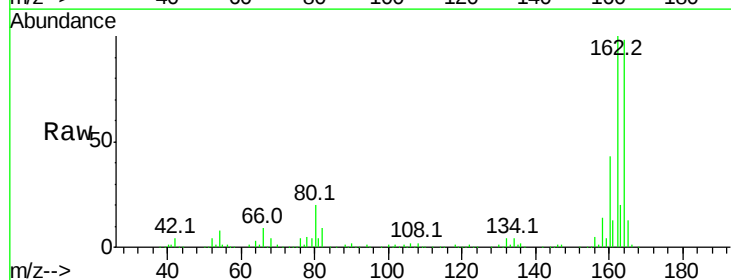
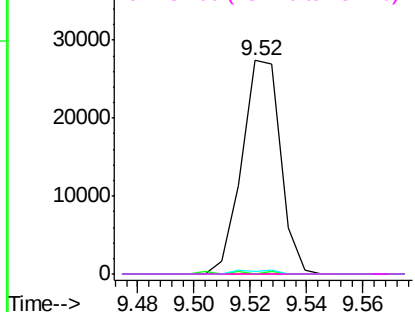
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

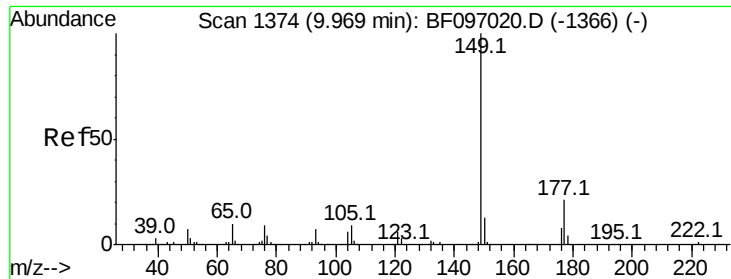
Abundance Ion 165.00 (164.70 to 165.70): E

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

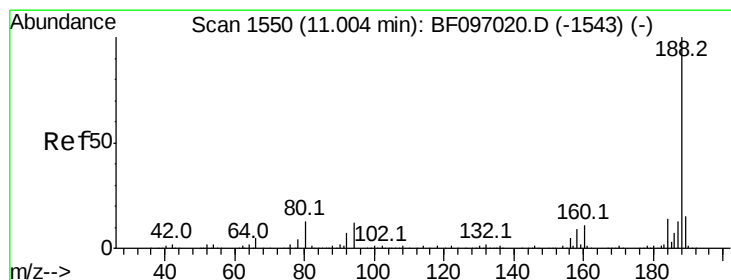
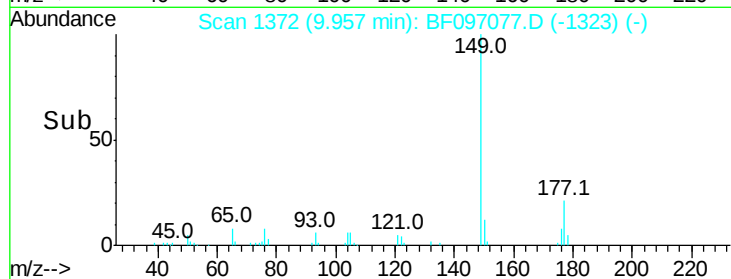
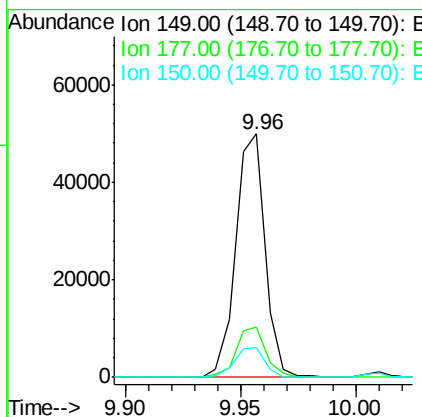
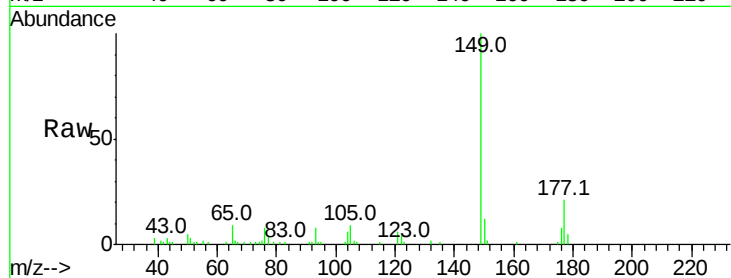




#59
 Diethylphthalate
 Concen: 3.152 ng
 RT: 9.96 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

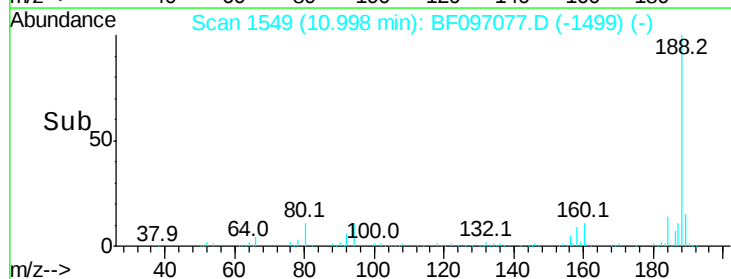
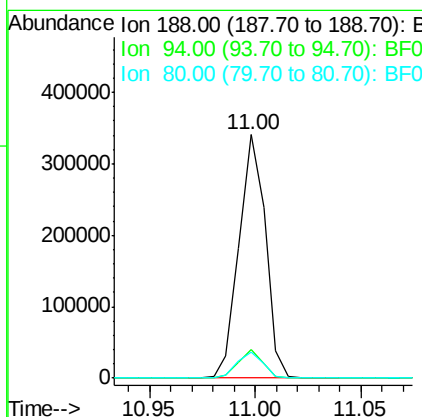
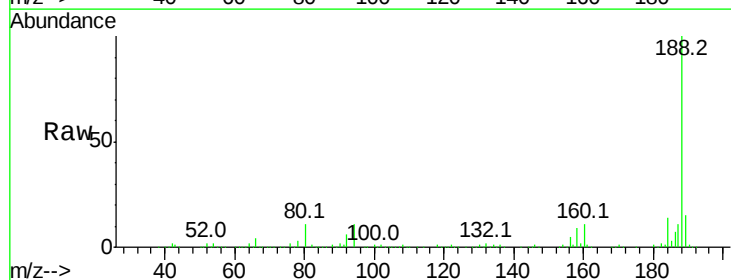
Instrument :
 BNA_F
 ClientSampleId :

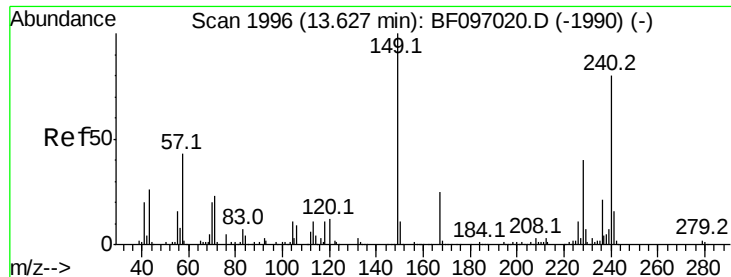
Tot Ion:149 Resp: 44294
 Ion Ratio Lower Upper
 149 100
 177 20.9 16.7 25.1
 150 12.1 10.2 15.2



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

Tgt Ion:188 Resp: 295554
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 10.7 10.2 15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

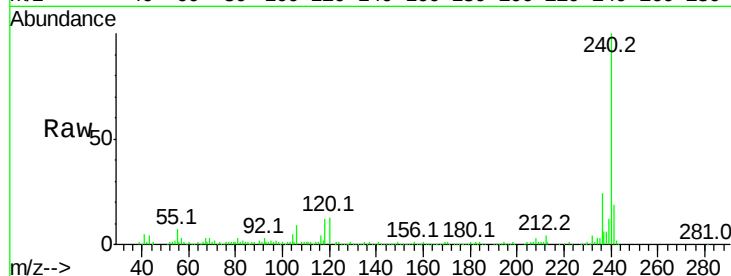
Tot Ion:240 Resp: 199020

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

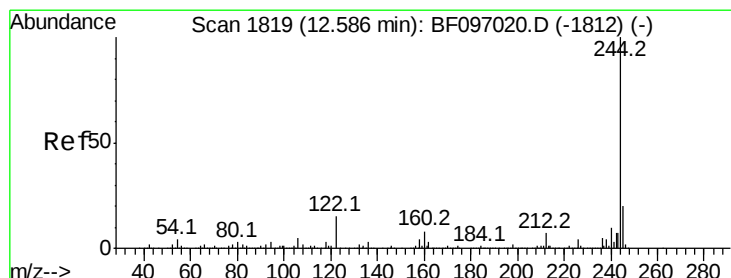
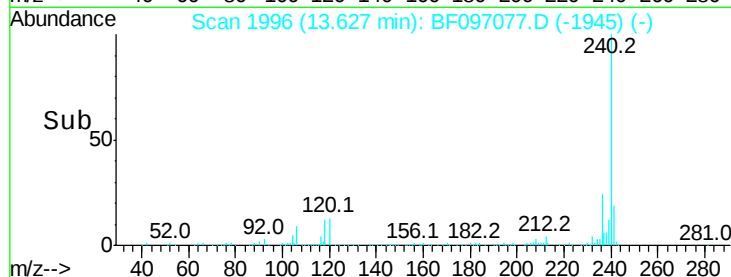
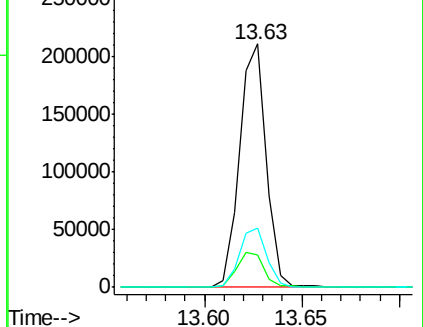
236 24.3 20.5 30.7



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: 2.823 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097077.D

Acq: 26 Jul 2017 16:09

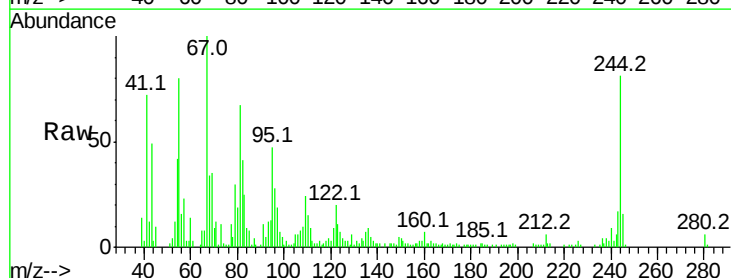
Tgt Ion:244 Resp: 27559

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

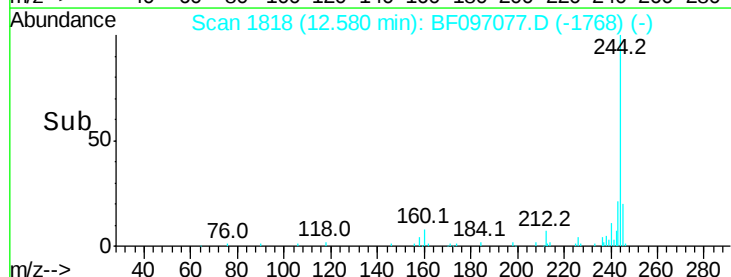
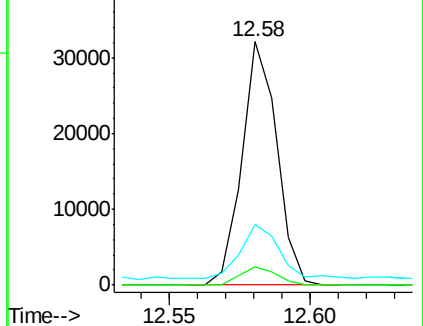
122 24.6 10.3 15.5#

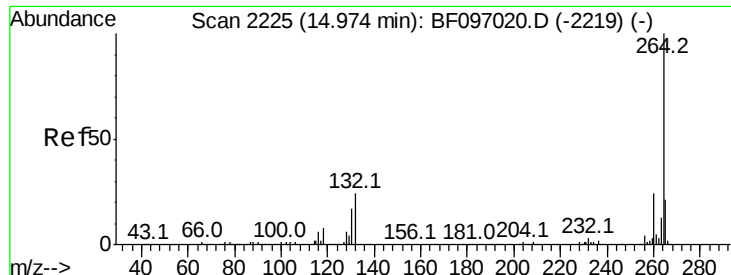


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

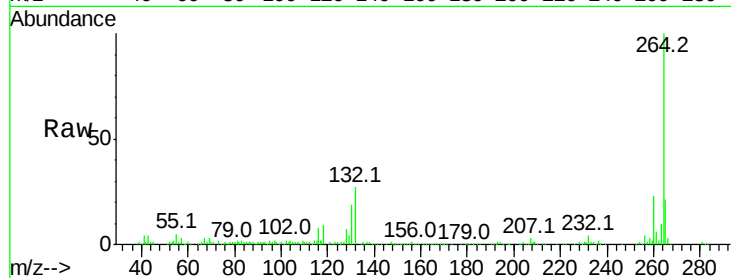




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF097077.D
 Acq: 26 Jul 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.7	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

