

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097059.D
 Acq On : 26 Jul 2017 6:06
 Operator : SJ/JU
 Sample : I4399-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Quant Time: Jul 26 06:56:45 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	6.50	152	113470	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	428893	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	171363	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	249704	20.00	ng	0.00
75) Chrysene-d12	13.62	240	201280	20.00	ng	0.00
86) Perylene-d12	14.97	264	145721	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	141092	18.74	ng	0.00
7) Phenol-d6	6.16	99	168627	19.62	ng	-0.01
23) Nitrobenzene-d5	7.06	82	97677	13.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	25276	18.67	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	155020	15.35	ng	-0.01
78) Terphenyl-d14	12.58	244	78679	7.97	ng	0.00

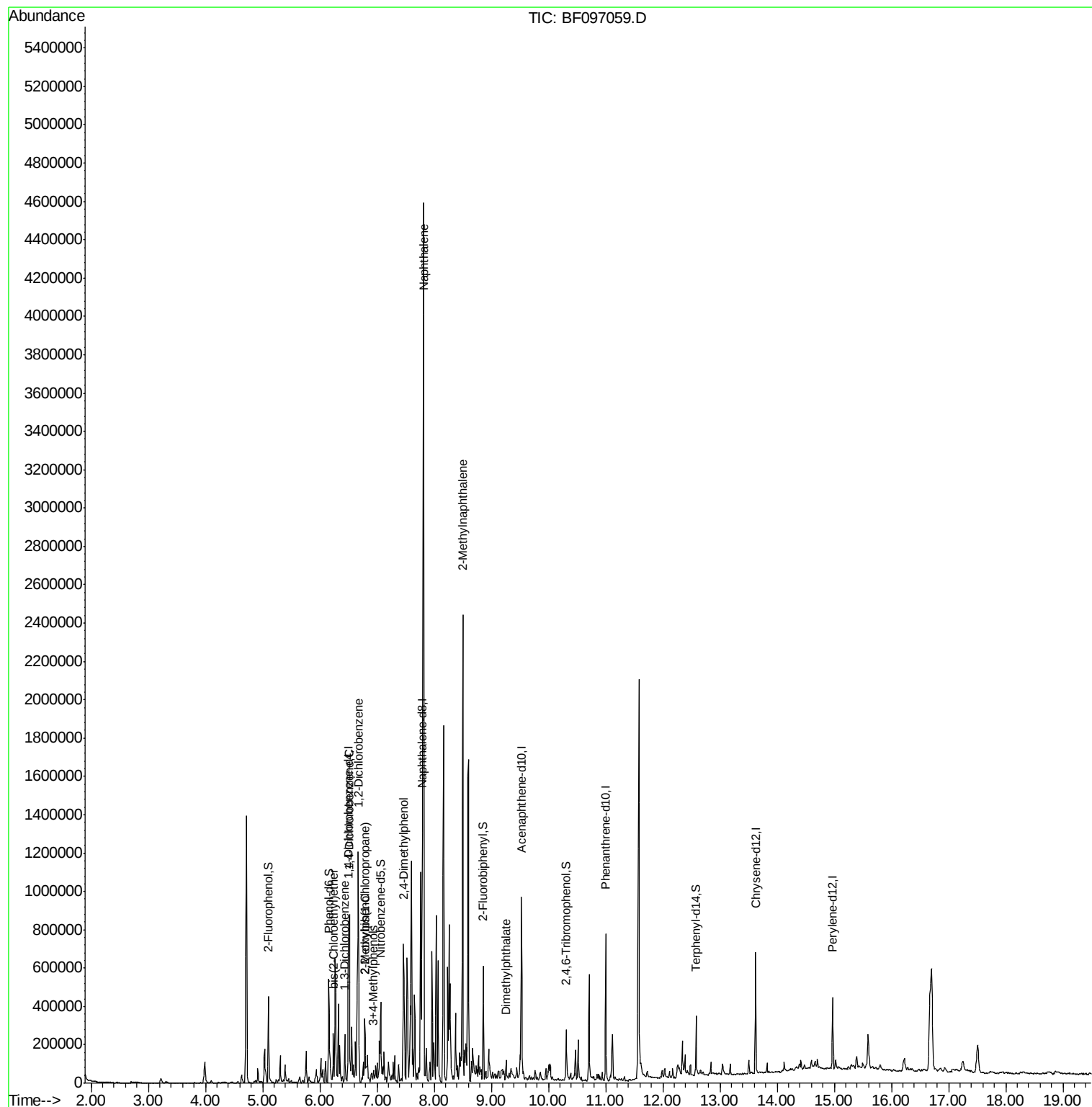
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) bis(2-Chloroethyl)ether	6.23	93	69230	8.588	ng	86
12) 1,3-Dichlorobenzene	6.44	146	58117	6.700	ng	97
13) 1,4-Dichlorobenzene	6.52	146	181218	21.082	ng	94
14) 1,2-Dichlorobenzene	6.67	146	241834	32.222	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.79	45	128343	7.938	ng	88
17) 2-Methylphenol	6.78	107	17218	2.772	ng	# 78
20) 3+4-Methylphenols	6.94	107	18045	2.224	ng	# 58
27) 2,4-Dimethylphenol	7.46	122	166739	24.537	ng	97
31) Naphthalene	7.82	128	3021105	149.430	ng	99
37) 2-Methylnaphthalene	8.50	142	635170	49.620	ng	99
49) Dimethylphthalate	9.26	163	34254	2.632	ng	99

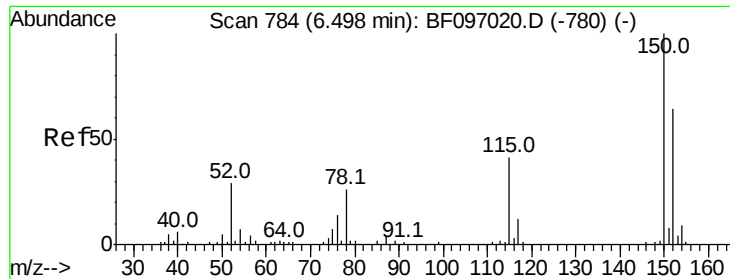
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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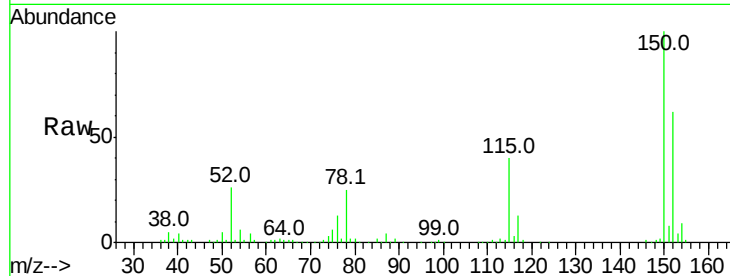


#1

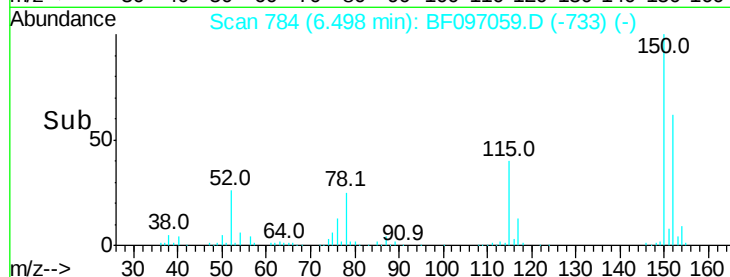
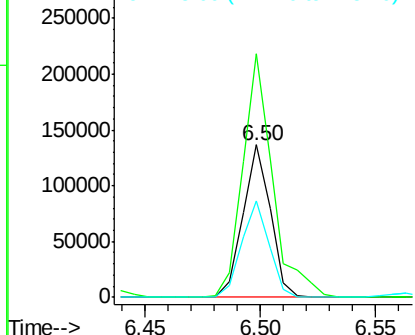
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion:152 Resp: 113470
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 63.4 52.2 78.2



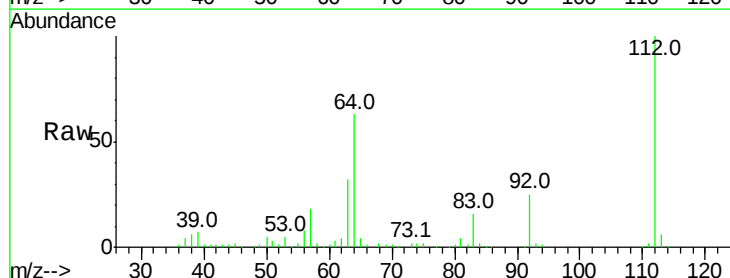
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



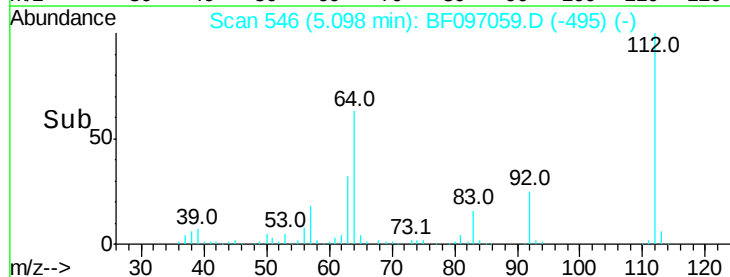
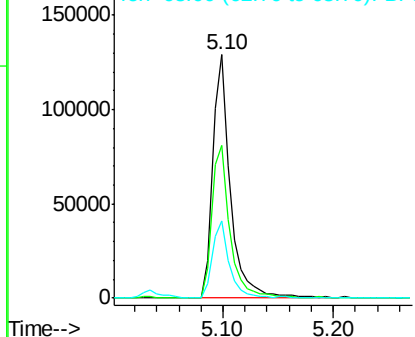
#5

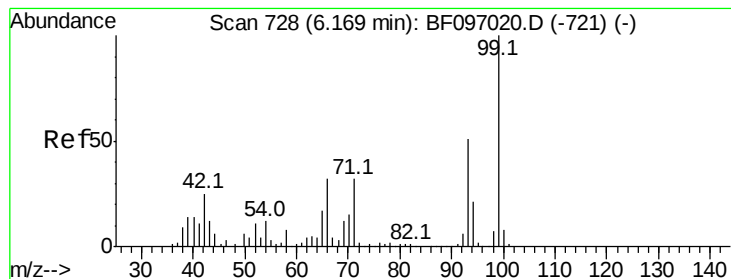
2-Fluorophenol
Concen: 18.745 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:112 Resp: 141092
Ion Ratio Lower Upper
112 100
64 63.0 46.0 69.0
63 31.6 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: 19.624 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

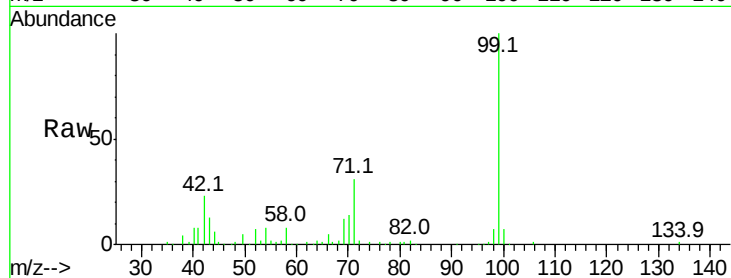
Tot Ion: 99 Resp: 168627

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

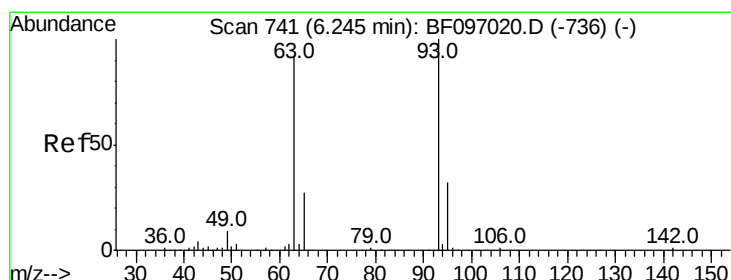
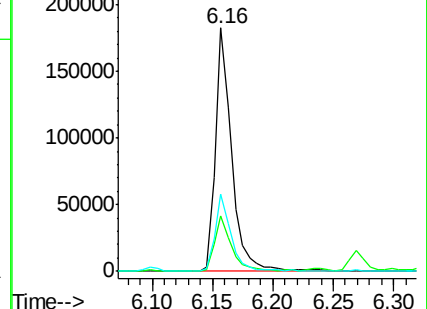
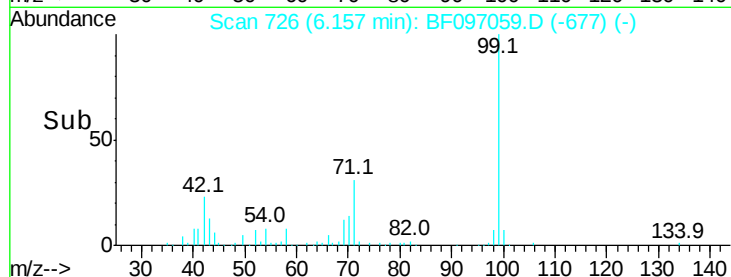
71 31.5 24.5 36.7



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: 8.588 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

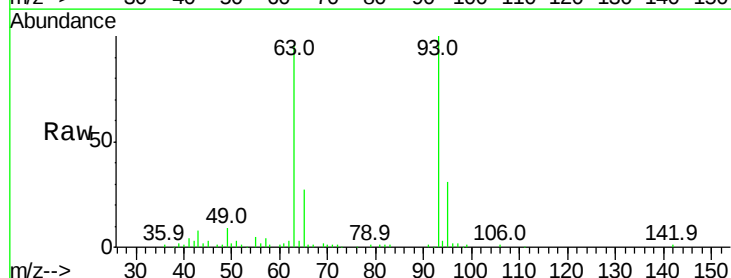
Tgt Ion: 93 Resp: 69230

Ion Ratio Lower Upper

93 100

63 96.1 59.2 99.2

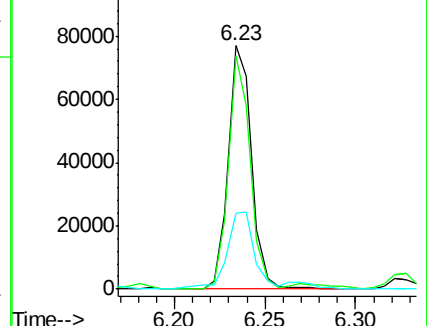
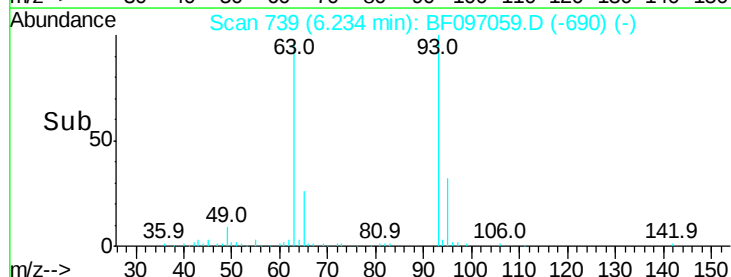
95 31.3 12.8 52.8

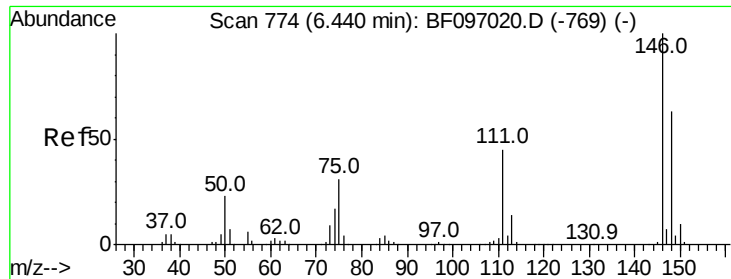


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 6.700 ng

RT: 6.44 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

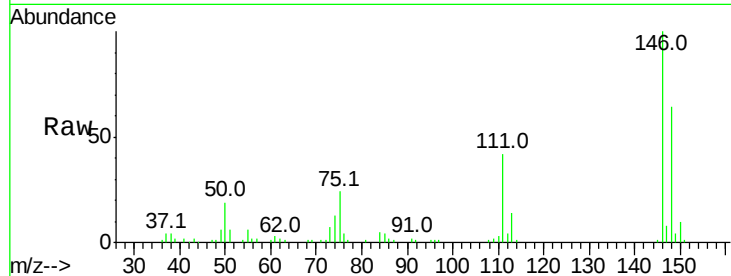
Tot Ion:146 Resp: 58117

Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

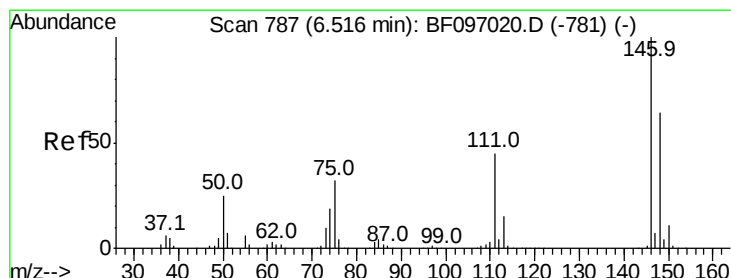
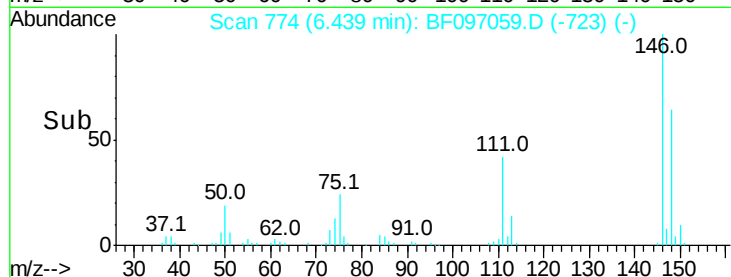
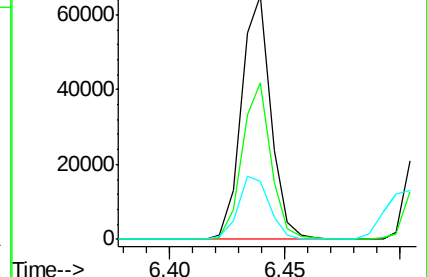
75 24.0 23.1 34.7



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: 21.082 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

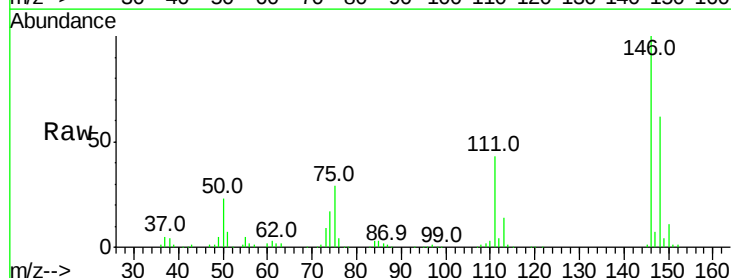
Tgt Ion:146 Resp: 181218

Ion Ratio Lower Upper

146 100

148 61.9 52.2 78.2

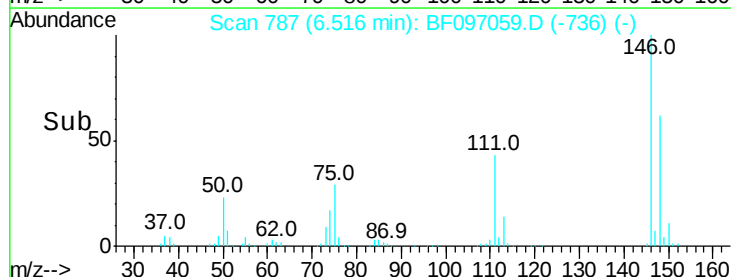
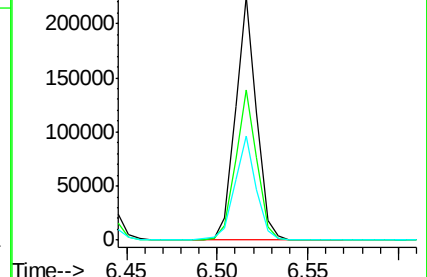
111 42.8 30.3 45.5

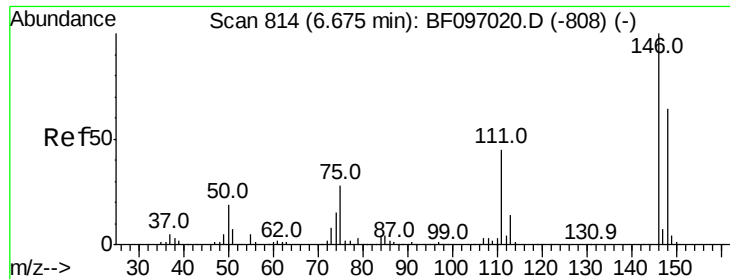


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

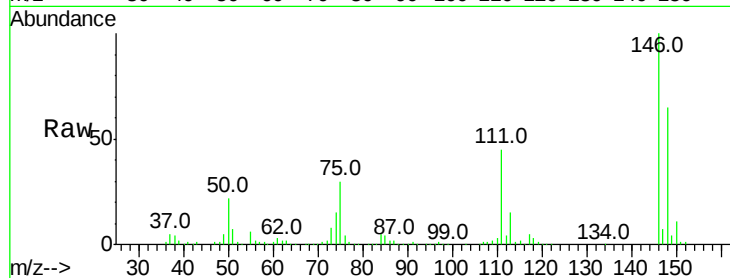




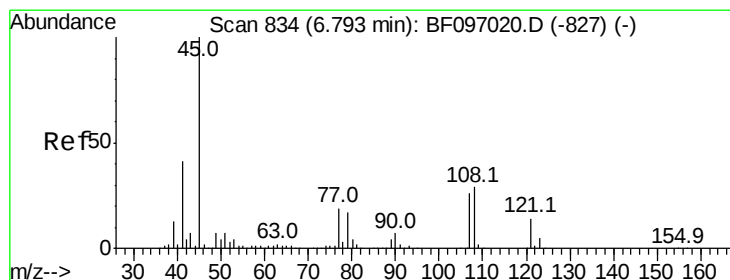
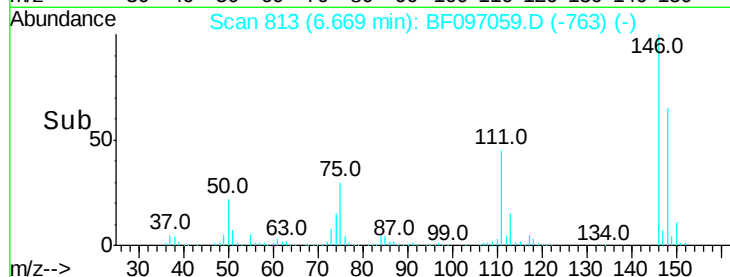
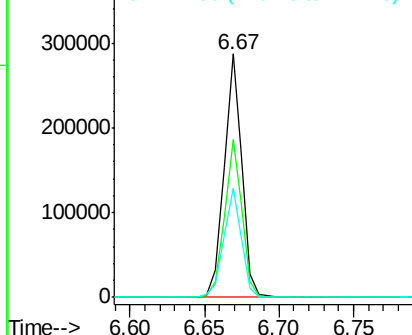
#14
 1,2-Dichlorobenzene
 Concen: 32.222 ng
 RT: 6.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Tot Ion:146 Resp: 241834
 Ion Ratio Lower Upper
 146 100
 148 64.7 50.4 75.6
 111 44.6 38.2 57.4

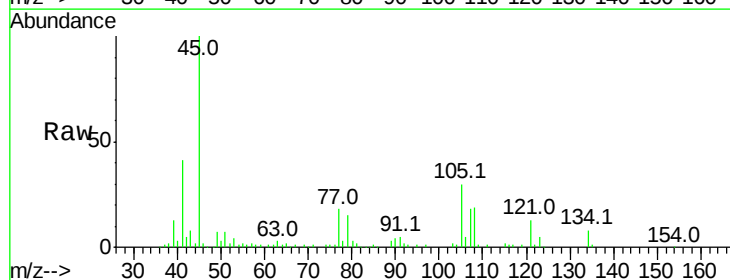


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

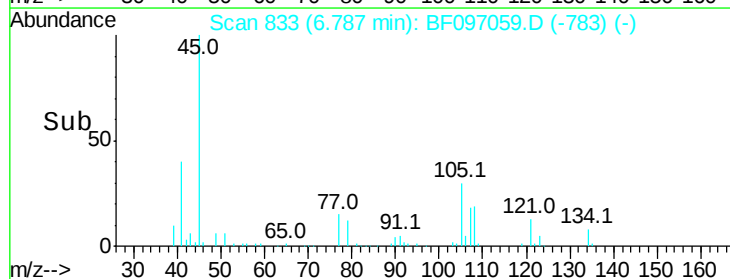
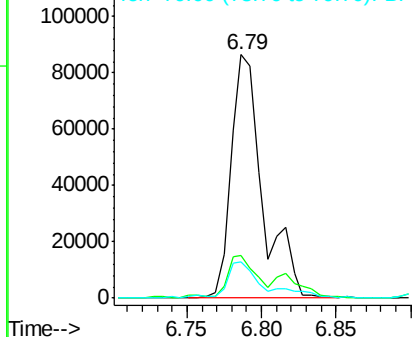


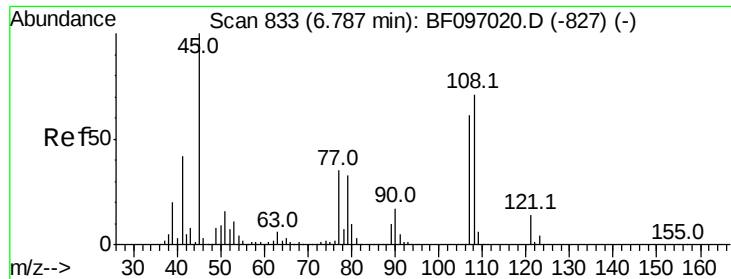
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 7.938 ng
 RT: 6.79 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion: 45 Resp: 128343
 Ion Ratio Lower Upper
 45 100
 77 17.7 0.0 33.2
 79 15.0 0.0 30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

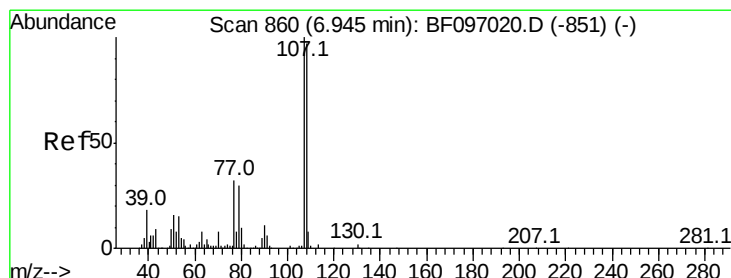
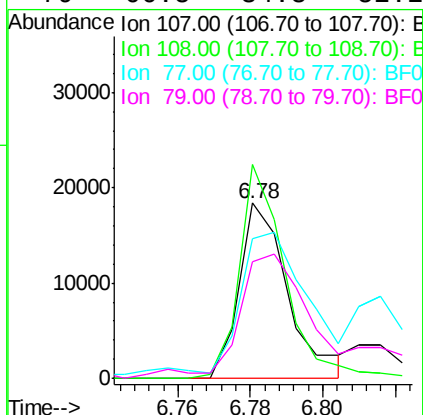
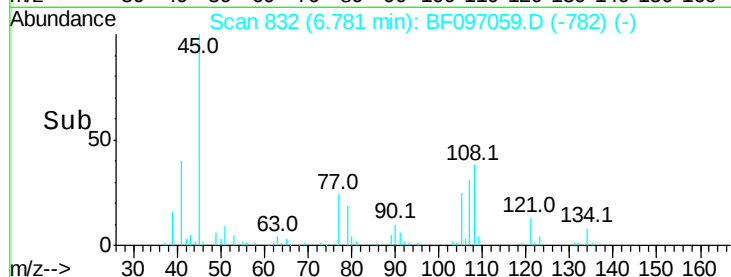
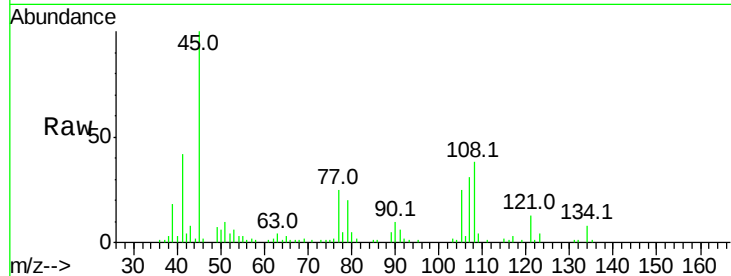




#17
2-Methylphenol
Concen: 2.772 ng
RT: 6.78 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

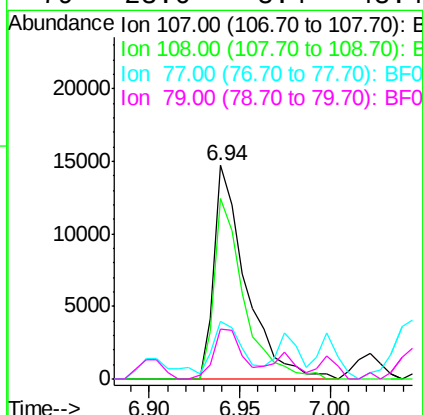
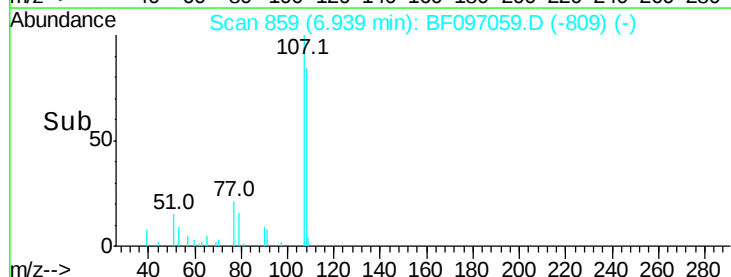
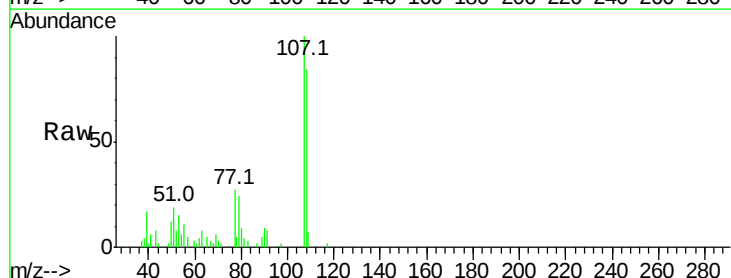
Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

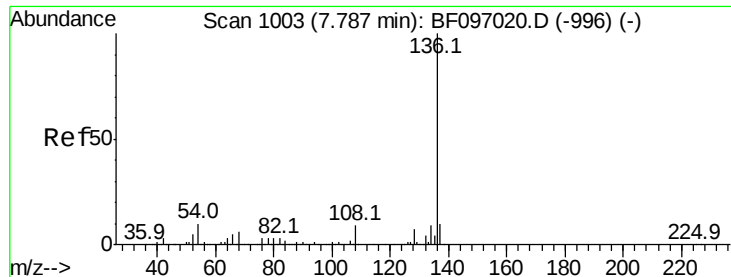
Tot Ion:107 Resp: 17218
Ion Ratio Lower Upper
107 100
108 121.9 93.4 140.0
77 79.9 35.8 53.6#
79 66.5 34.8 52.2#



#20
3+4-Methylphenols
Concen: 2.224 ng
RT: 6.94 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:107 Resp: 18045
Ion Ratio Lower Upper
107 100
108 84.3 71.0 111.0
77 27.2 90.5 130.5#
79 23.6 8.4 48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.79 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

Tot Ion:136 Resp: 428893

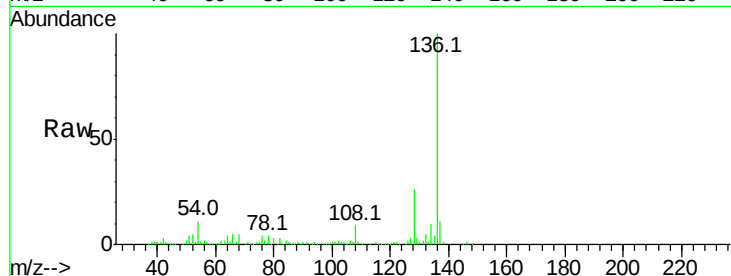
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.8 4.9 7.3#

68 5.0 4.1 6.1

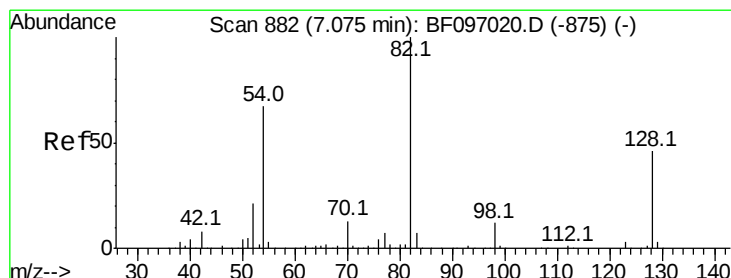
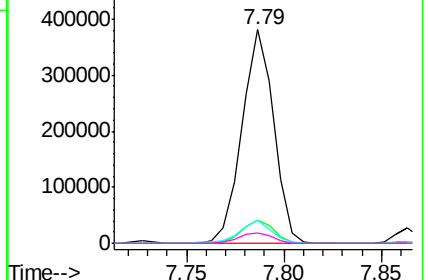
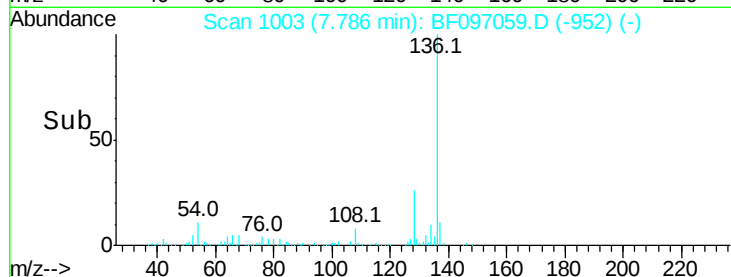


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.360 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

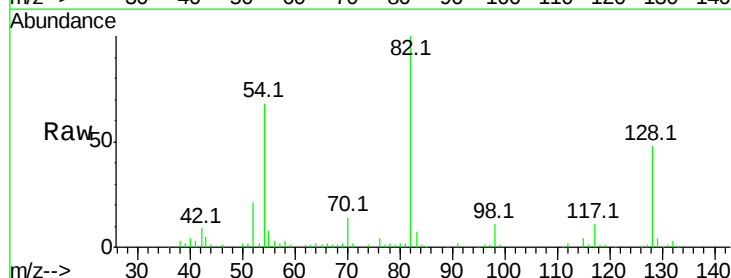
Tgt Ion: 82 Resp: 97677

Ion Ratio Lower Upper

82 100

128 48.5 34.0 51.0

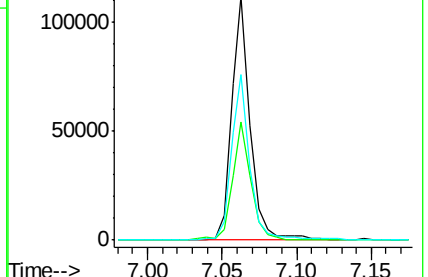
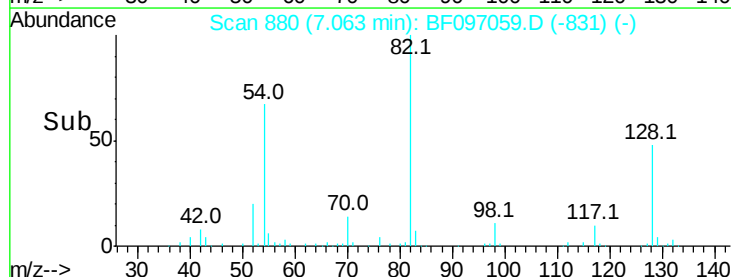
54 67.9 42.2 63.2#

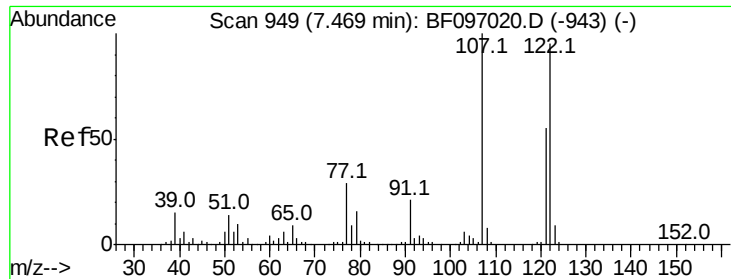


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 24.537 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

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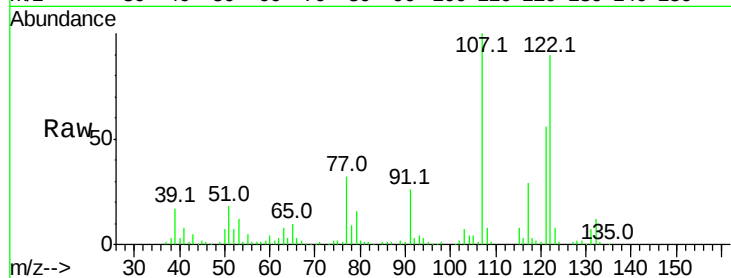
Tot Ion:122 Resp: 166739

Ion Ratio Lower Upper

122 100

107 110.5 89.2 133.8

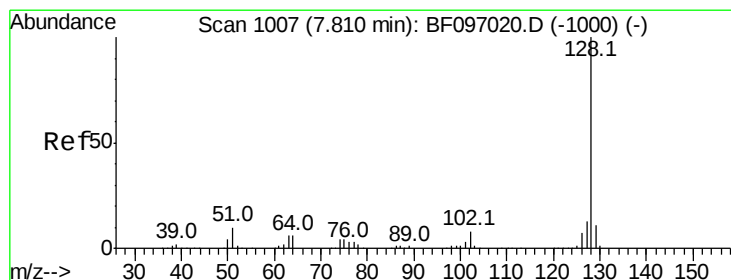
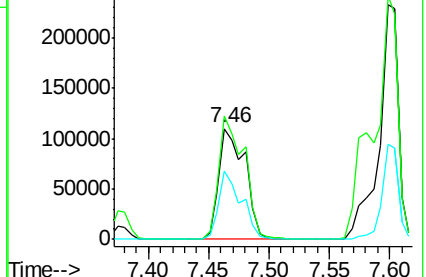
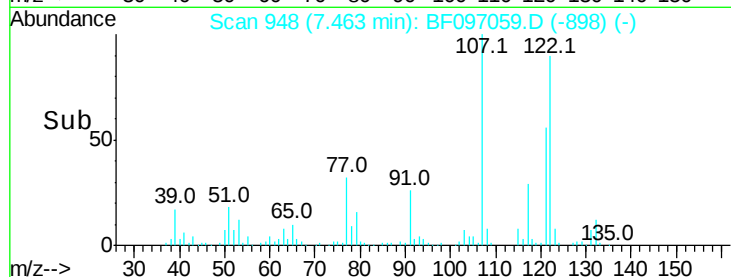
121 61.6 45.2 67.8



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: 149.430 ng

RT: 7.82 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

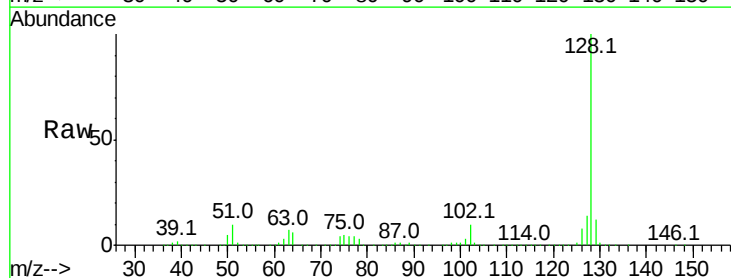
Tgt Ion:128 Resp: 3021105

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

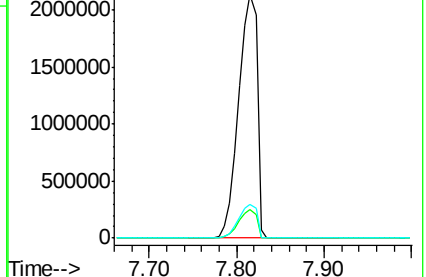
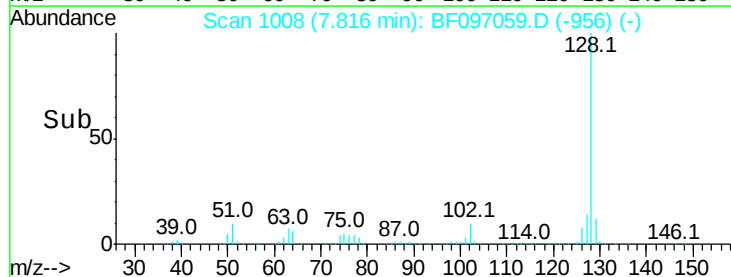
127 14.0 10.8 16.2

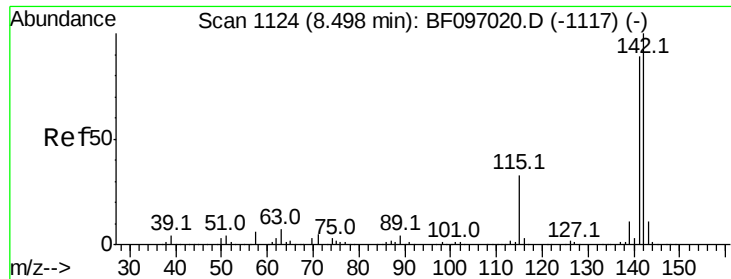


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

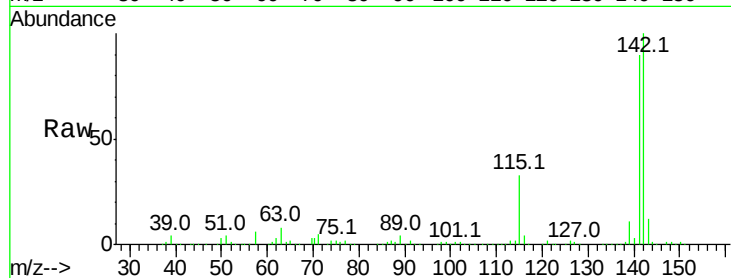




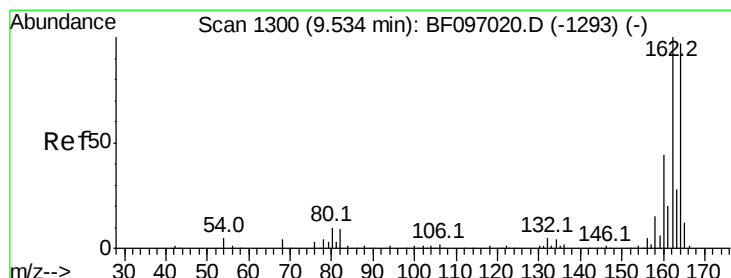
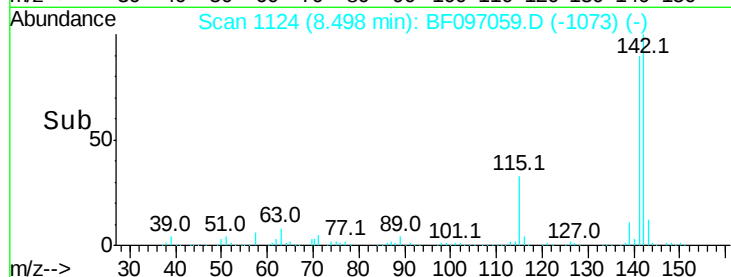
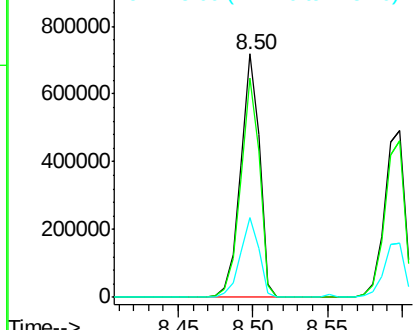
#37
2-Methylnaphthalene
Concen: 49.620 ng
RT: 8.50 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	32.9	27.1	40.7

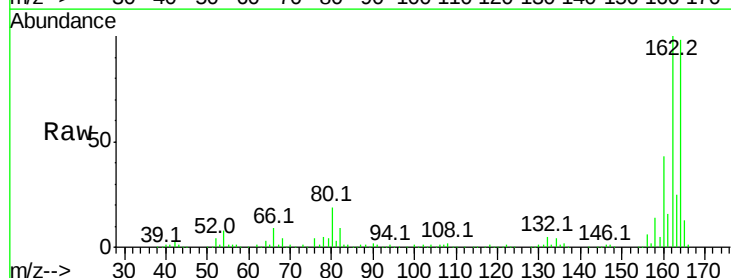


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

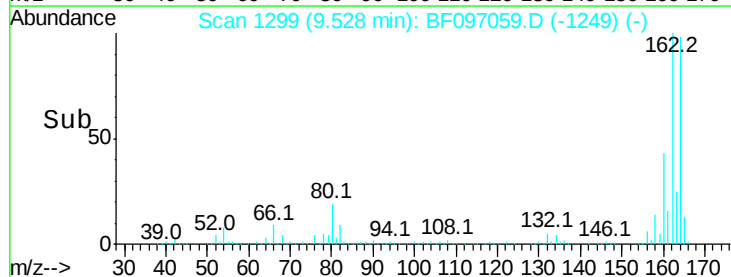
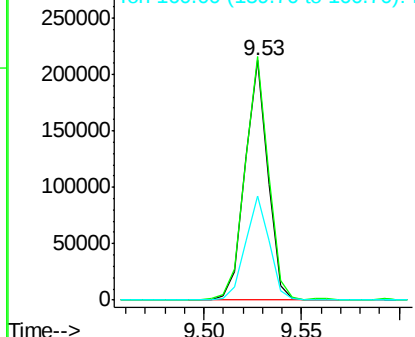


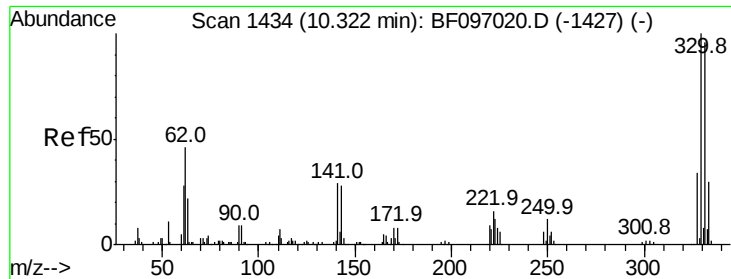
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	43.5	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

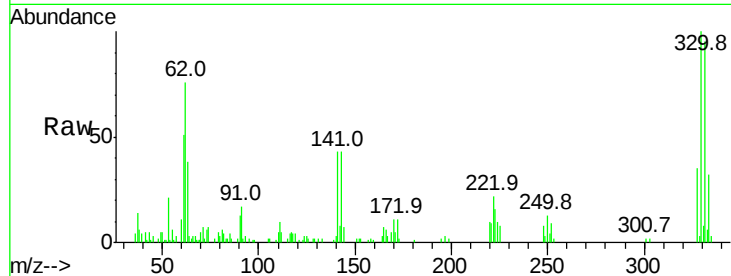




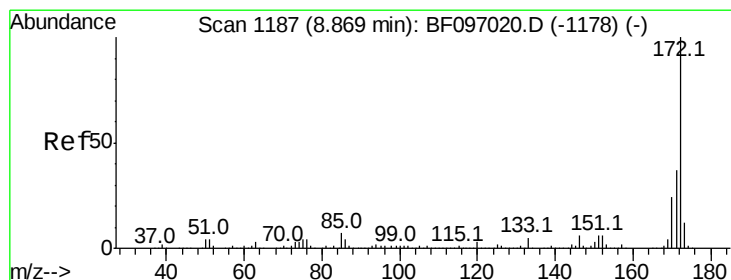
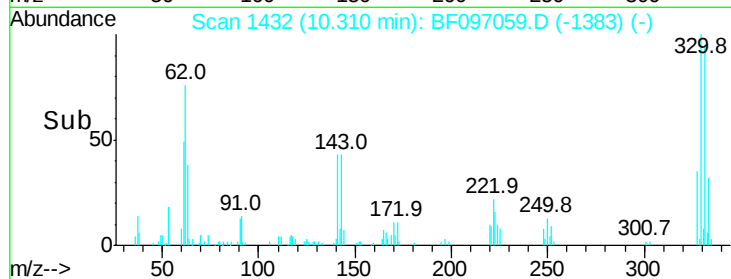
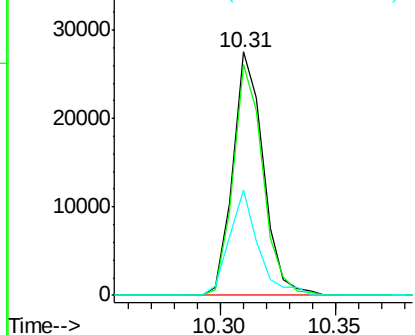
#41
 2,4,6-Tribromophenol
 Concen: 18.669 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-N7-BASE

Tot Ion:330 Resp: 25276
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 115.0
 141 40.9 31.4 47.2

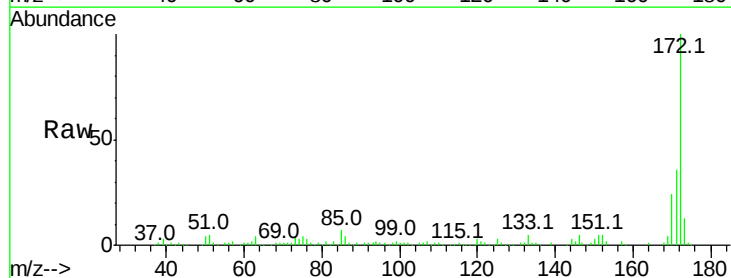


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

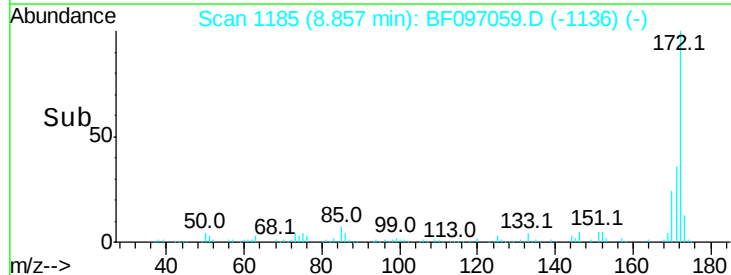
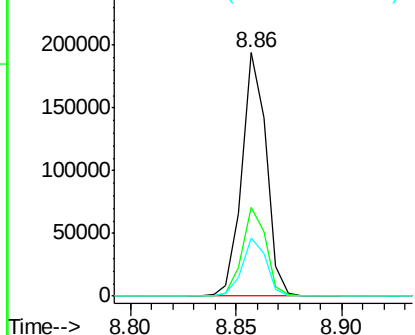


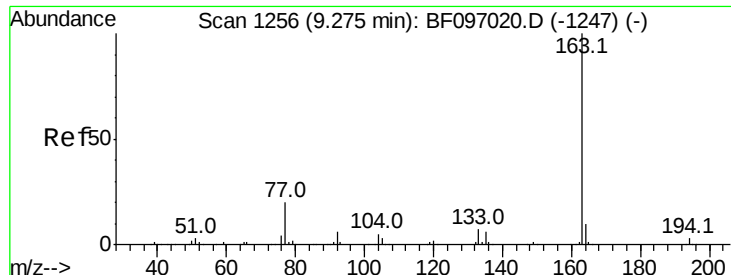
#44
 2-Fluorobiphenyl
 Concen: 15.352 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097059.D
 Acq: 26 Jul 2017 6:06

Tgt Ion:172 Resp: 155020
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 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

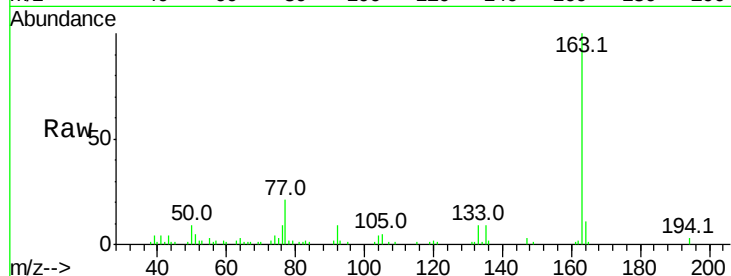




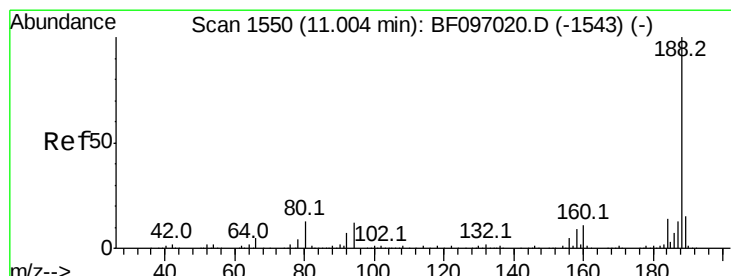
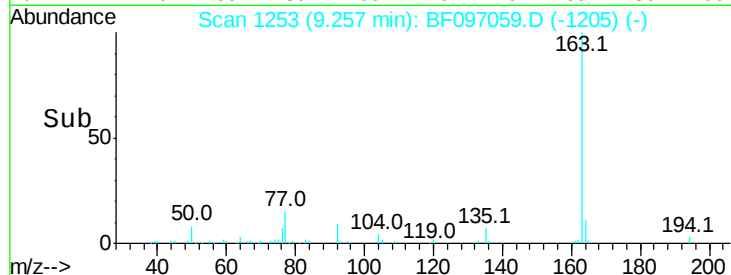
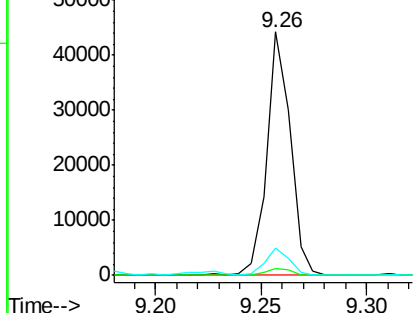
#49
Dimethylphthalate
Concen: 2.632 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion:163 Resp: 34254
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 11.0 8.4 12.6

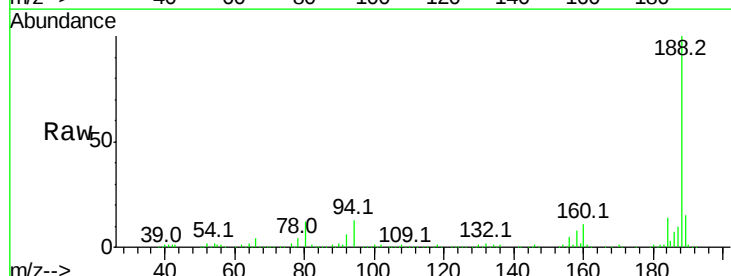


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

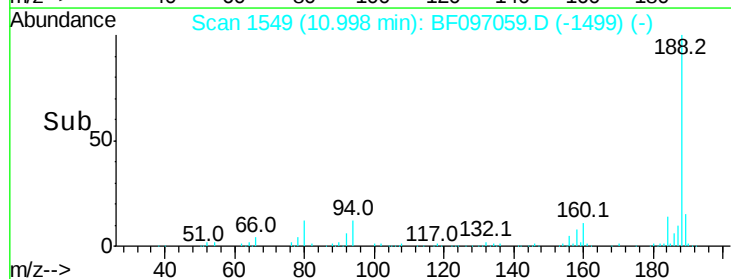
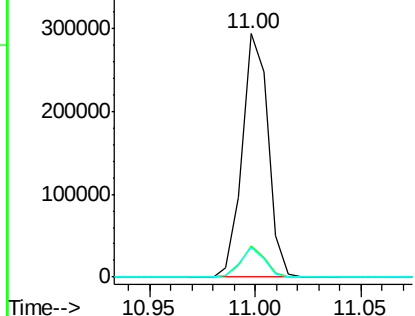


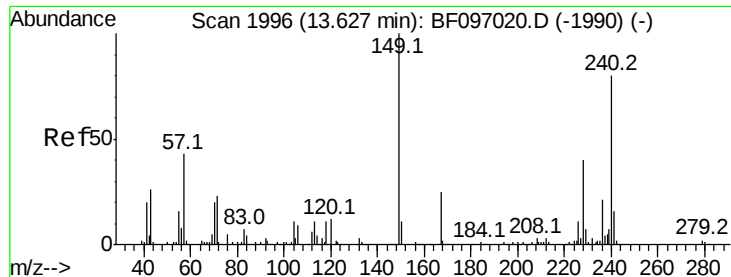
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097059.D
Acq: 26 Jul 2017 6:06

Tgt Ion:188 Resp: 249704
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 12.2 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: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

Instrument :

BNA_F

ClientSampleId :

E2-N7-BASE

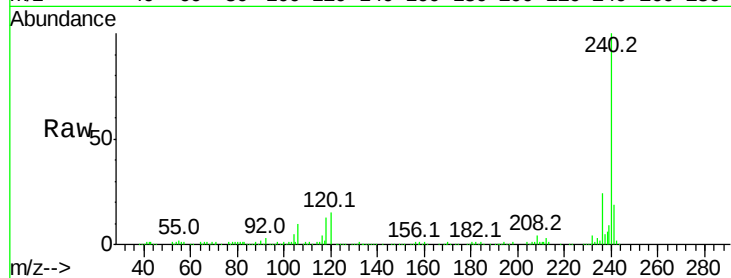
Tot Ion:240 Resp: 201280

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

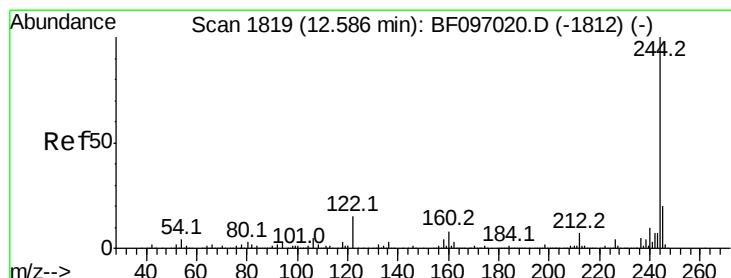
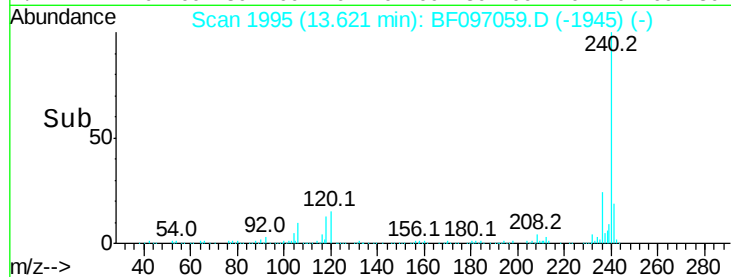
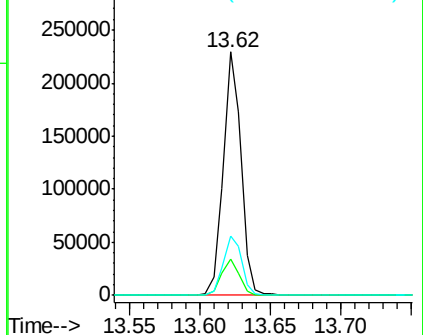
236 24.5 20.5 30.7



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: 7.970 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097059.D

Acq: 26 Jul 2017 6:06

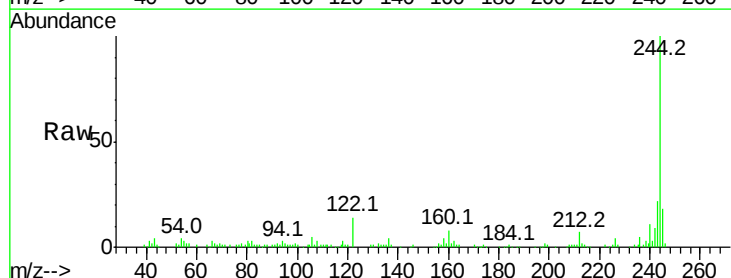
Tgt Ion:244 Resp: 78679

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

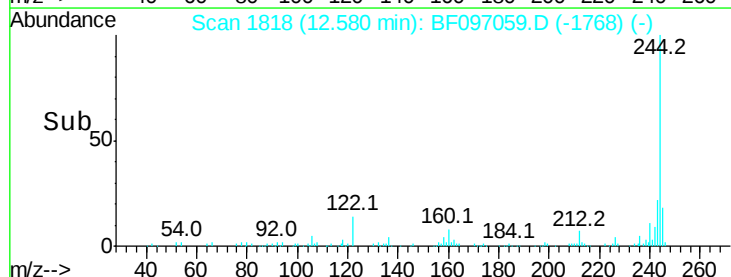
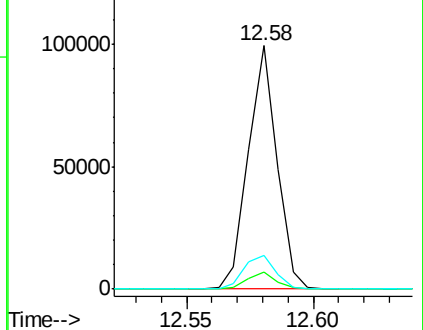
122 13.7 10.3 15.5

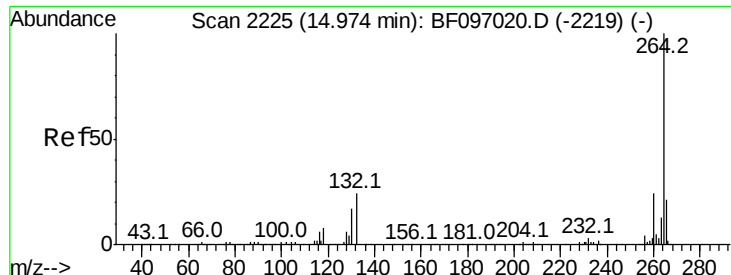


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF097059.D
Acq: 26 Jul 2017 6:06

Instrument :
BNA_F
ClientSampleId :
E2-N7-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8

