

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097457.D
 Acq On : 8 Aug 2017 5:04
 Operator : SJ/JU
 Sample : I4545-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

Quant Time: Aug 08 07:45:48 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	6.41	152	96481	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	356010	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	138154	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	224911	20.00	ng	0.00
75) Chrysene-d12	13.53	240	211675	20.00	ng	0.00
86) Perylene-d12	14.87	264	142391	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.00	112	377636	59.00	ng	0.00
7) Phenol-d6	6.08	99	458106	62.70	ng	0.00
23) Nitrobenzene-d5	6.98	82	300178	49.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	63164	57.87	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	358653	44.06	ng	0.00
78) Terphenyl-d14	12.49	244	238913	23.01	ng	0.00

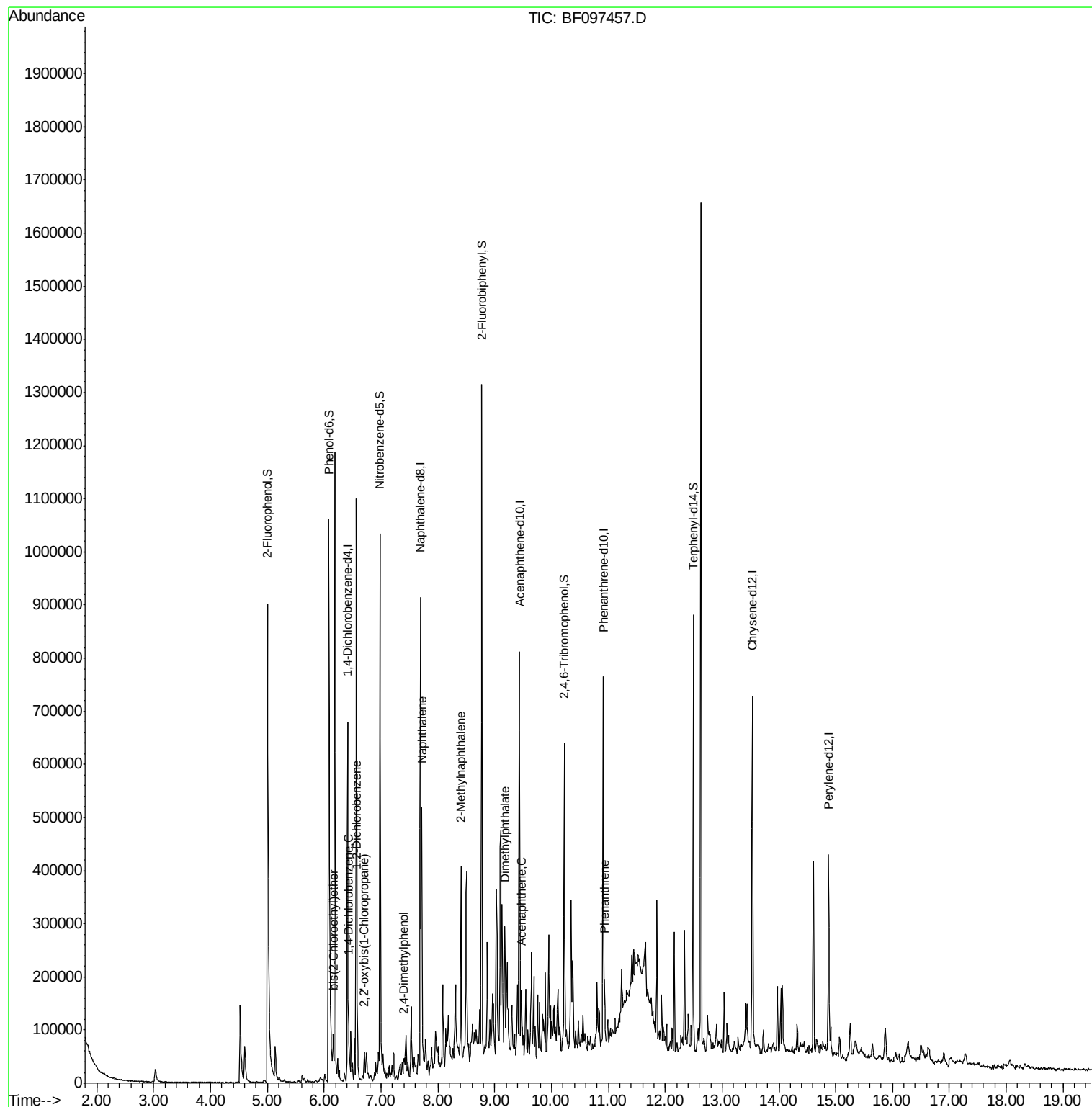
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) bis(2-Chloroethyl)ether	6.16	93	19417	2.833	ng	88
13) 1,4-Dichlorobenzene	6.43	146	18497	2.531	ng	89
14) 1,2-Dichlorobenzene	6.58	146	15352	2.406	ng	94
16) 2,2'-oxybis(1-Chloropropan	6.71	45	28690	2.087	ng	95
27) 2,4-Dimethylphenol	7.40	122	11995	2.127	ng	99
31) Naphthalene	7.72	128	206581	12.310	ng	99
37) 2-Methylnaphthalene	8.40	142	87661	8.250	ng	97
49) Dimethylphthalate	9.17	163	75742	7.220	ng	98
51) Acenaphthene	9.47	154	20225	2.576	ng	98
70) Phenanthrene	10.93	178	42388	3.517	ng	98

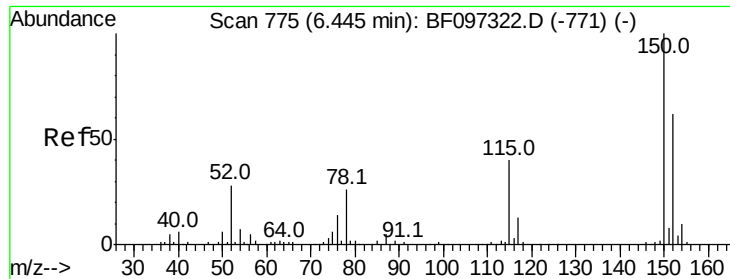
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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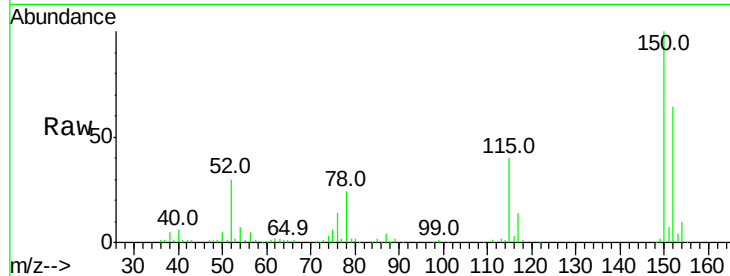


#1

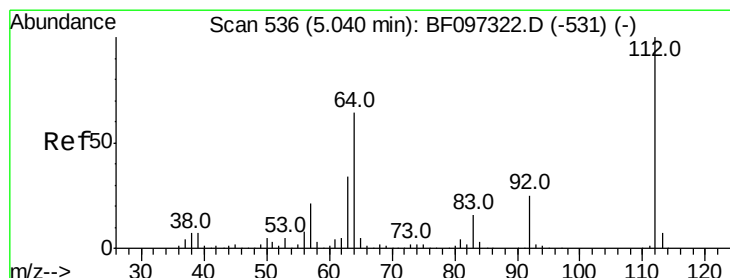
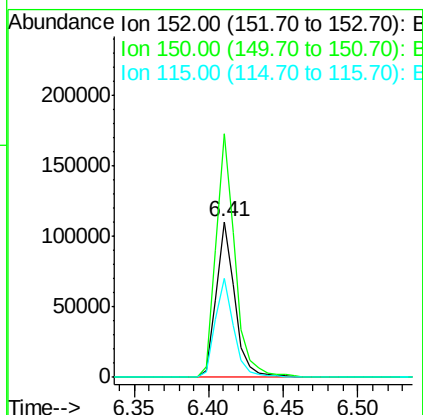
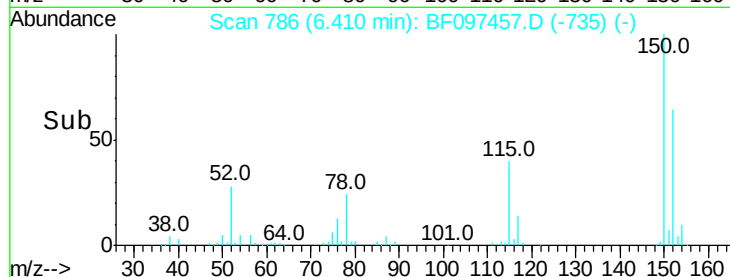
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

Tot Ion:152 Resp: 96481
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 63.2 52.2 78.2



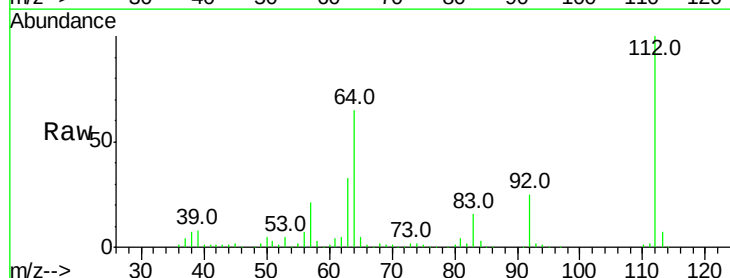
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



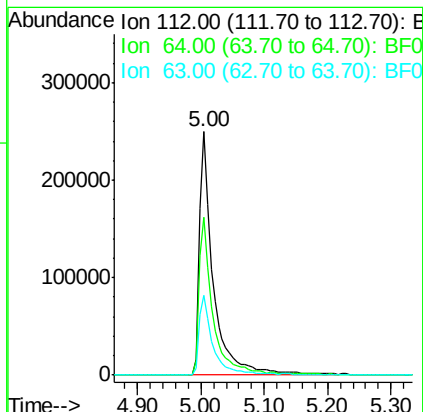
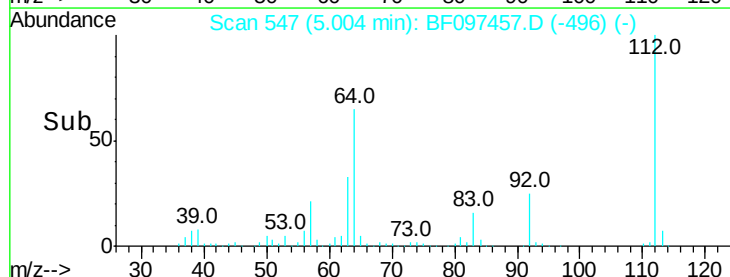
#5

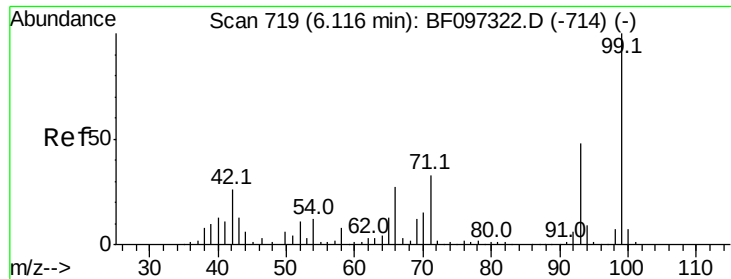
2-Fluorophenol
Concen: 59.005 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097457.D
Acq: 8 Aug 2017 5:04

Tgt Ion:112 Resp: 377636
Ion Ratio Lower Upper
112 100
64 65.0 46.0 69.0
63 32.5 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: 62.698 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

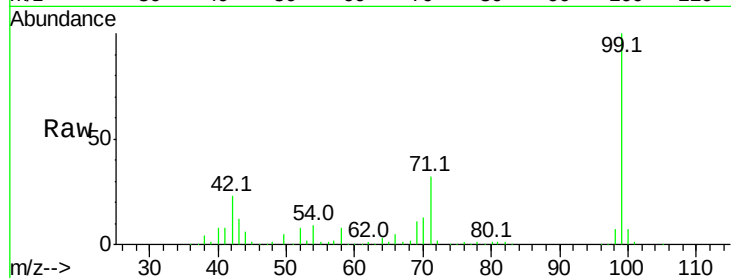
Tot Ion: 99 Resp: 458106

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

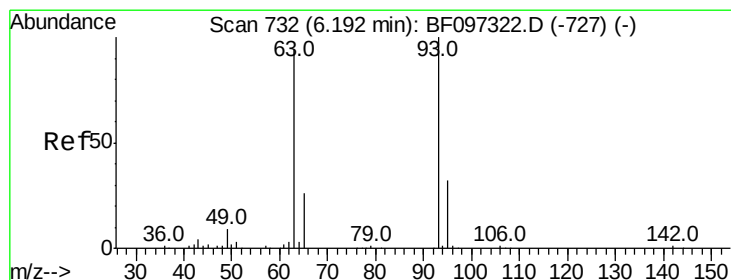
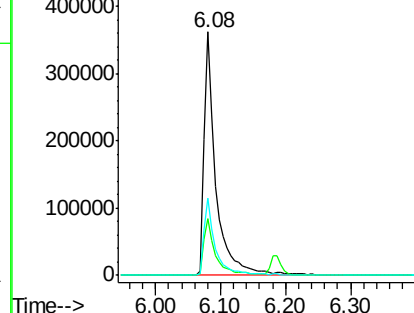
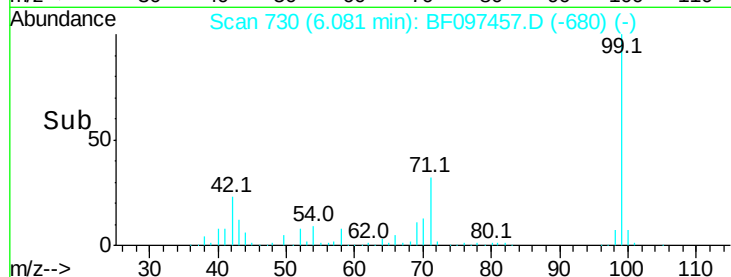
71 31.9 24.5 36.7



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: 2.833 ng

RT: 6.16 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

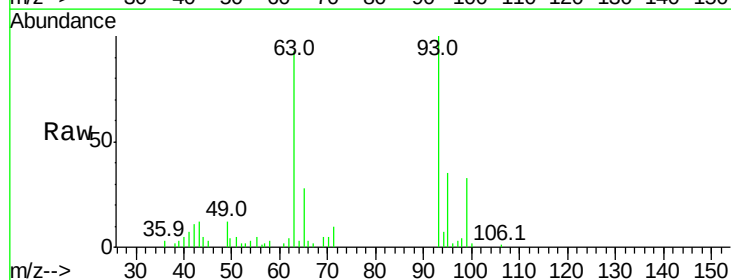
Tgt Ion: 93 Resp: 19417

Ion Ratio Lower Upper

93 100

63 93.0 59.2 99.2

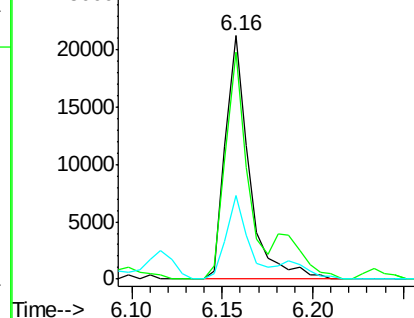
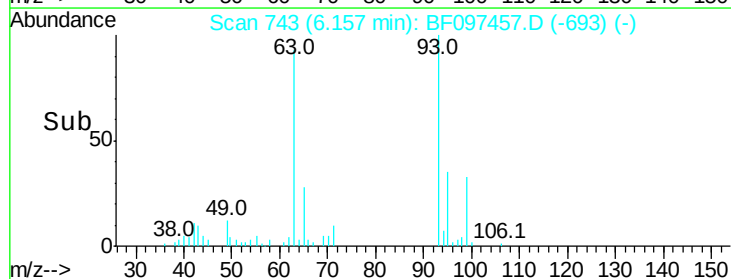
95 34.6 12.8 52.8

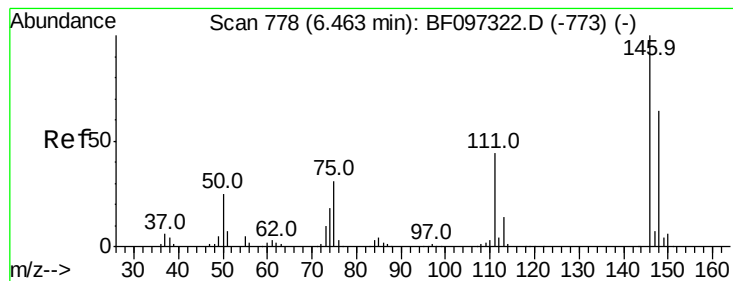


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#13

1,4-Dichlorobenzene

Concen: 2.531 ng

RT: 6.43 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

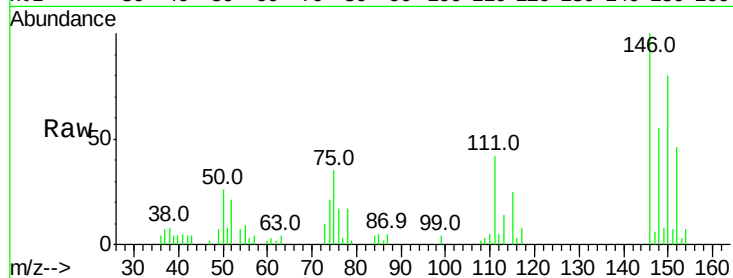
Tot Ion:146 Resp: 18497

Ion Ratio Lower Upper

146 100

148 55.0 52.2 78.2

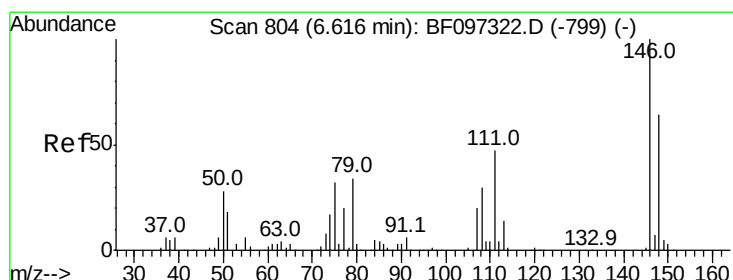
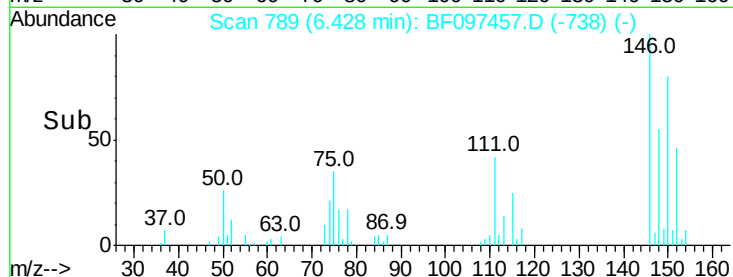
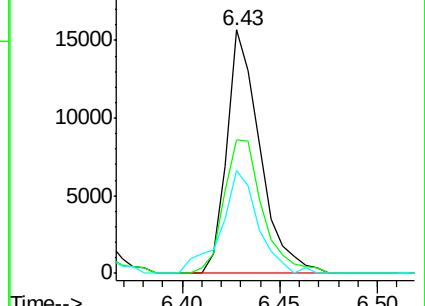
111 42.2 30.3 45.5



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: 2.406 ng

RT: 6.58 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

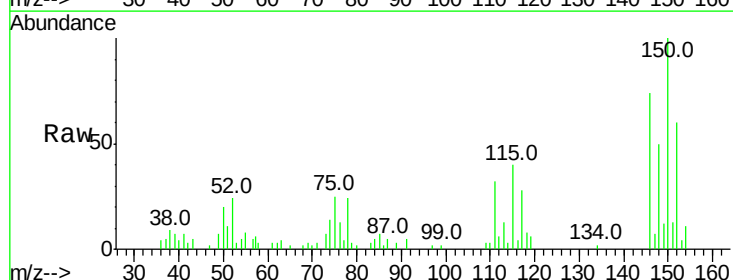
Tgt Ion:146 Resp: 15352

Ion Ratio Lower Upper

146 100

148 66.7 50.4 75.6

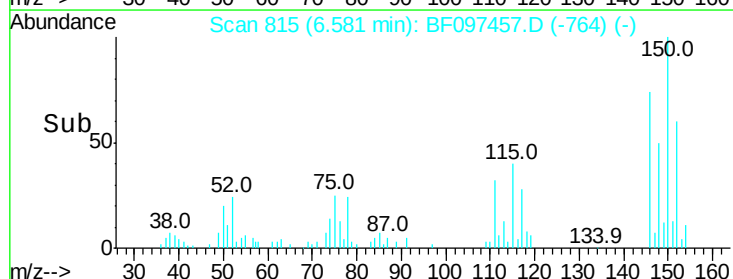
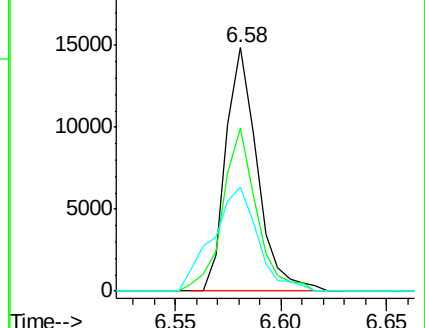
111 43.0 38.2 57.4

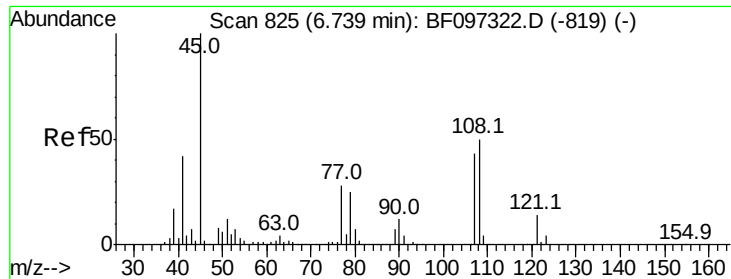


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

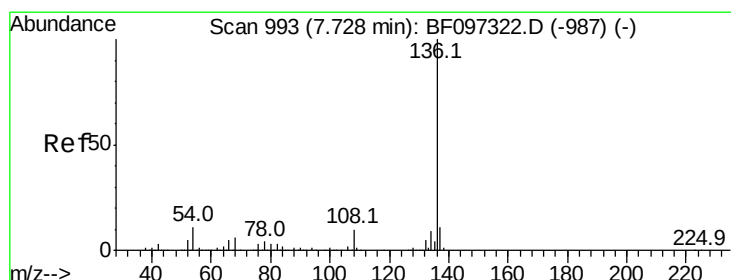
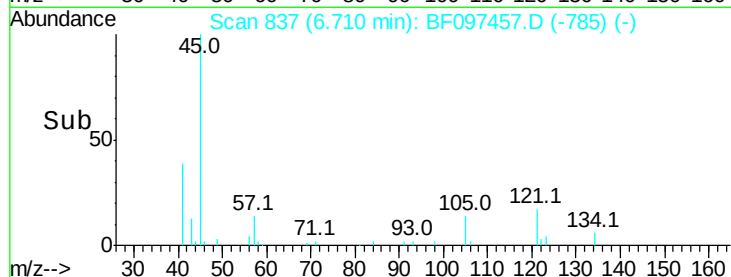
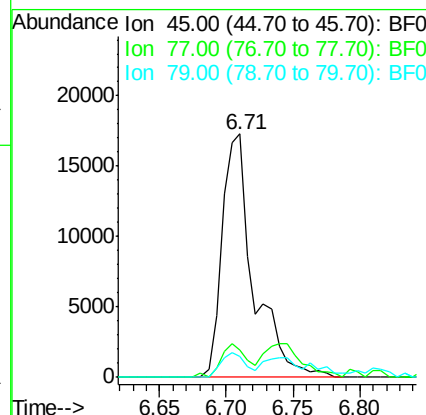
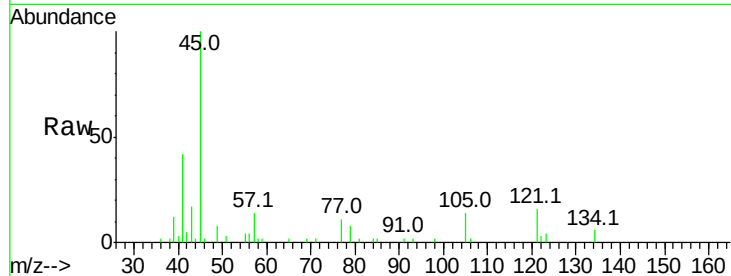




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 2.087 ng
 RT: 6.71 min Scan# 837
 Delta R.T. 0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

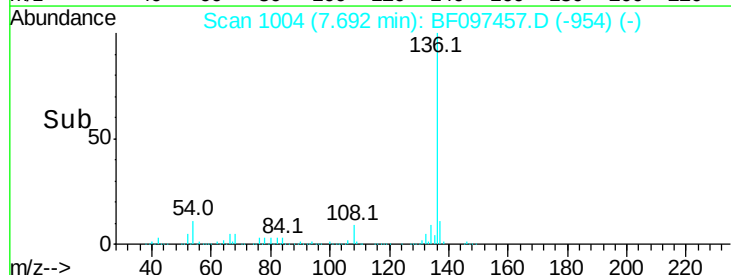
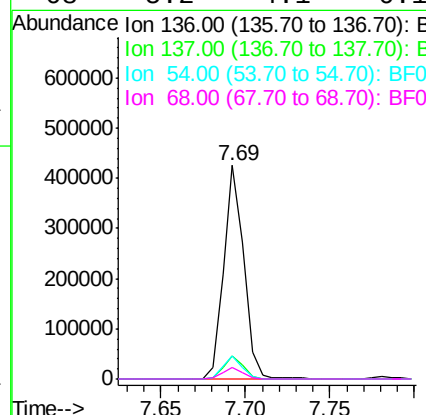
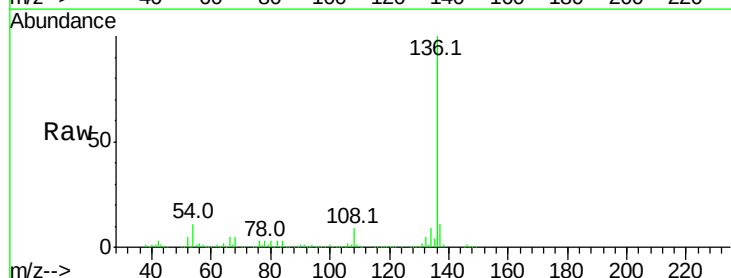
Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

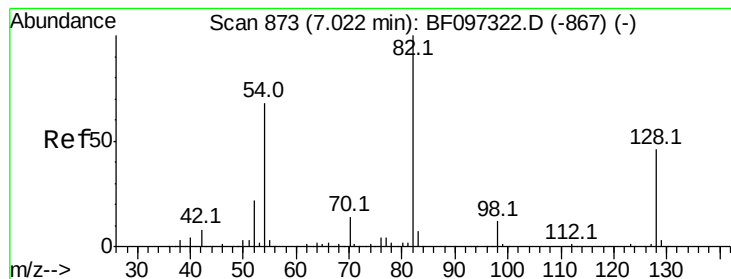
Tot Ion	45	Resp	28690
Ion Ratio	100		
Lower	0.0		
Upper	33.2		
77	11.2		
79	8.3		
Lower	0.0		
Upper	30.0		



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.69 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion	136	Resp	356010
Ion Ratio	100		
Lower	8.5		
Upper	12.7		
137	10.7		
54	10.8		
68	5.2		
Lower	4.1		
Upper	6.1		





#23

Nitrobenzene-d5

Concen: 49.464 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

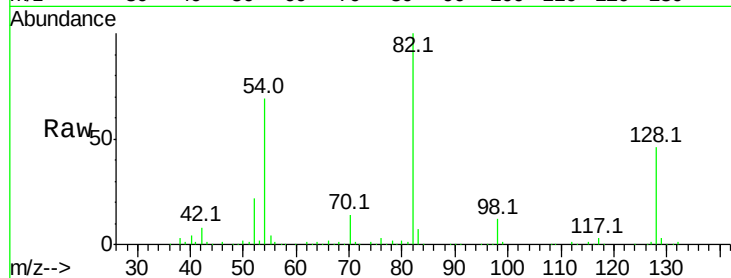
Tot Ion: 82 Resp: 300178

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

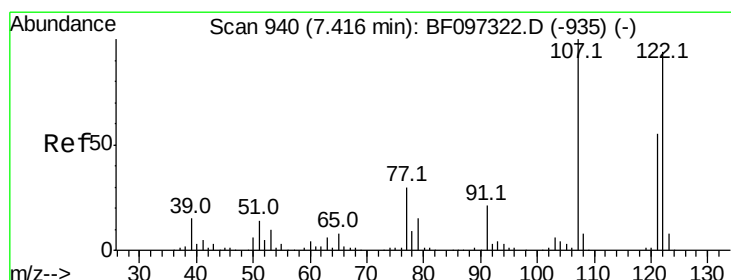
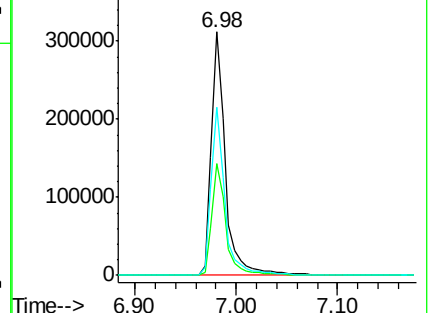
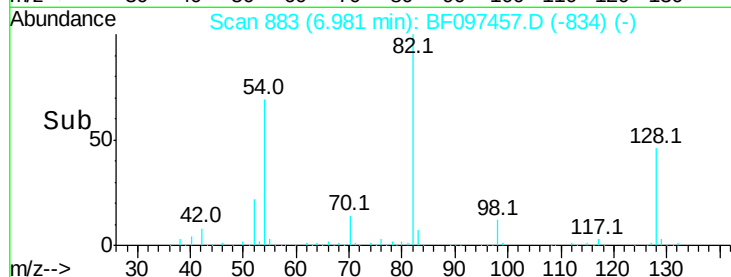
54 69.0 42.2 63.2#



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: 2.127 ng

RT: 7.40 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

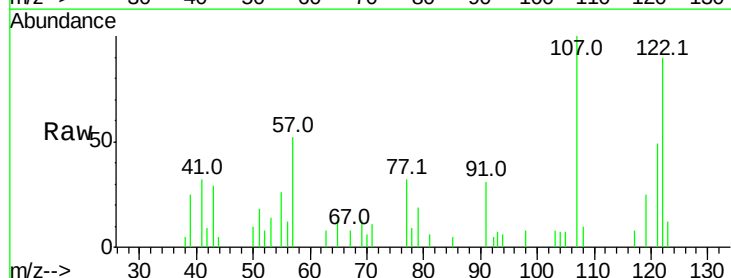
Tgt Ion:122 Resp: 11995

Ion Ratio Lower Upper

122 100

107 111.6 89.2 133.8

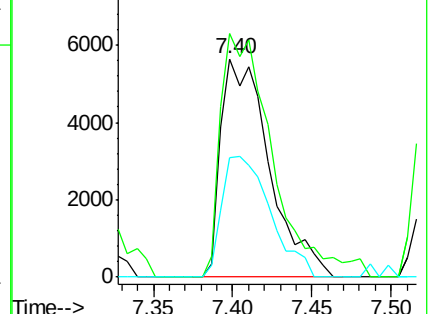
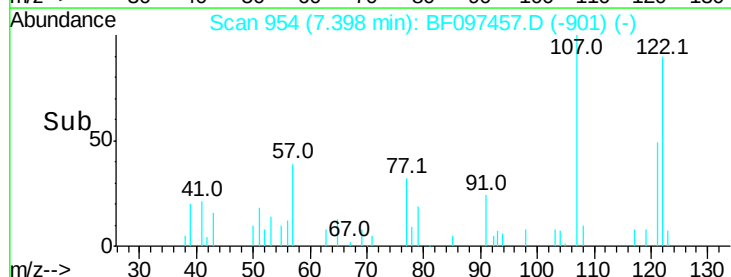
121 54.8 45.2 67.8

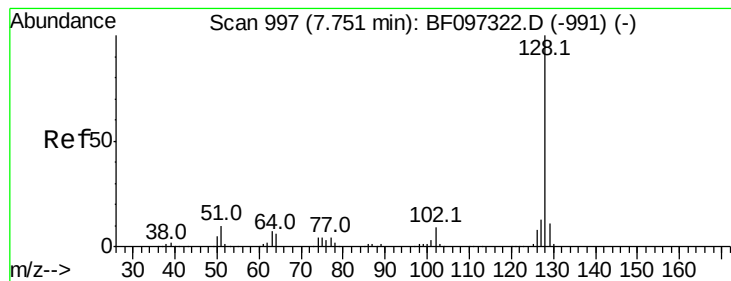


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 12.310 ng

RT: 7.72 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

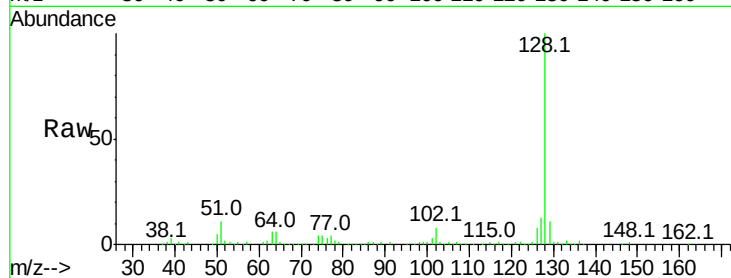
Tot Ion:128 Resp: 206581

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

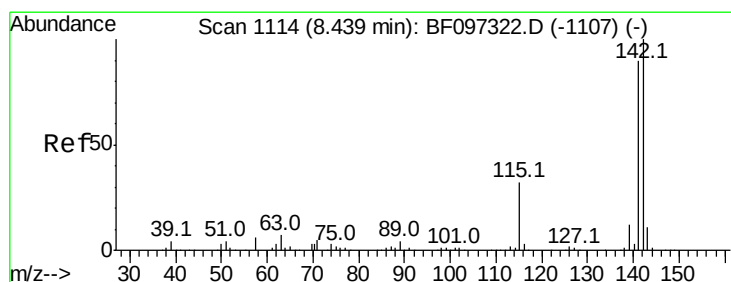
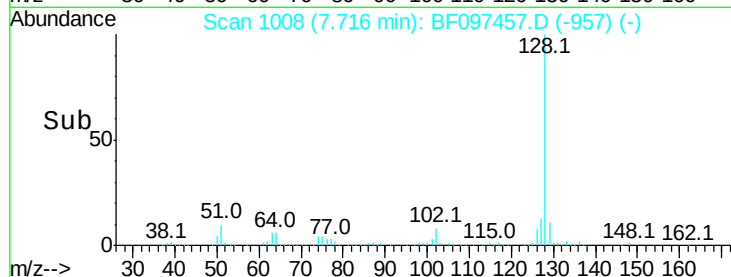
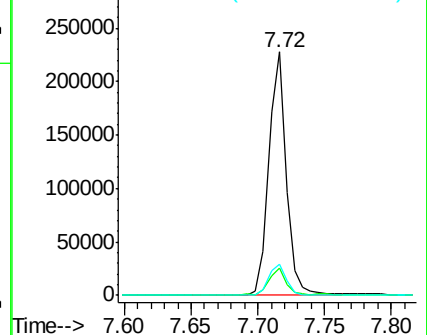
127 12.8 10.8 16.2



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: 8.250 ng

RT: 8.40 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

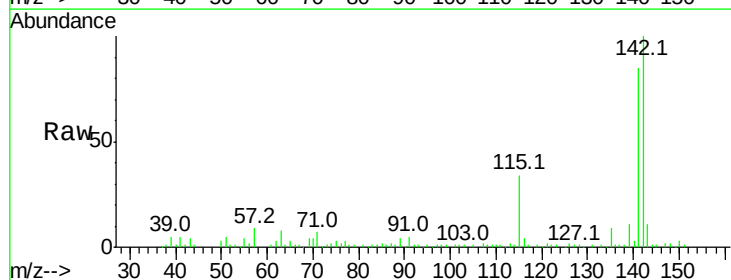
Tgt Ion:142 Resp: 87661

Ion Ratio Lower Upper

142 100

141 85.0 71.3 106.9

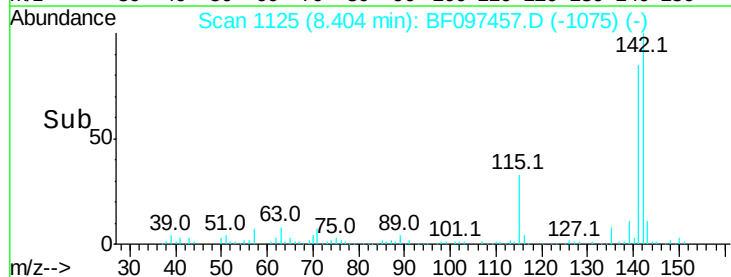
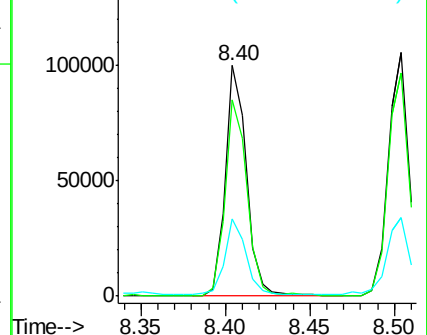
115 33.6 27.1 40.7

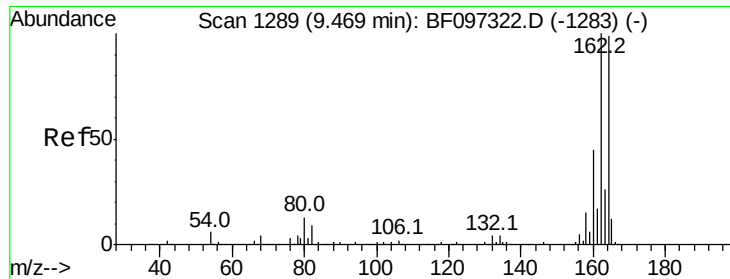


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

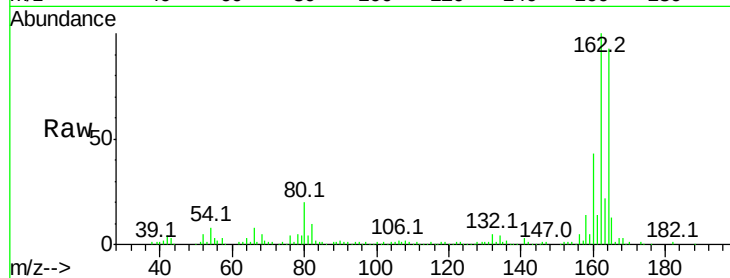




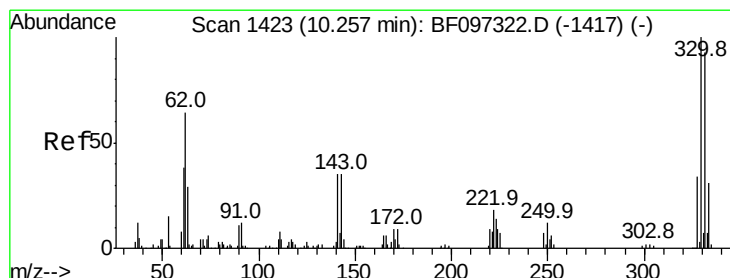
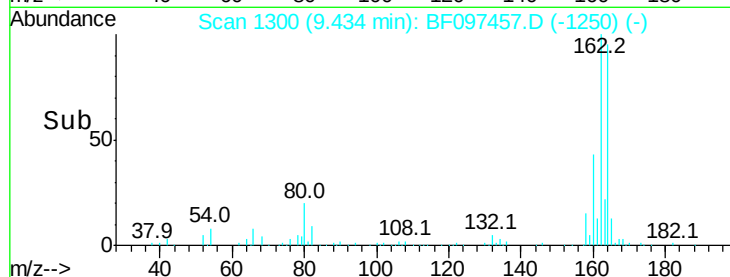
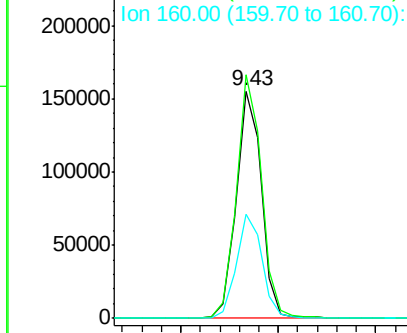
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.6	123.8
160	45.6	36.2	54.2

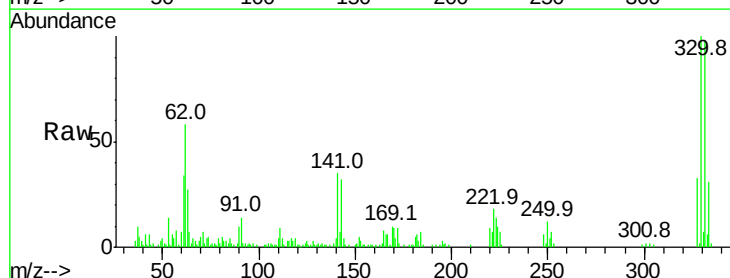


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

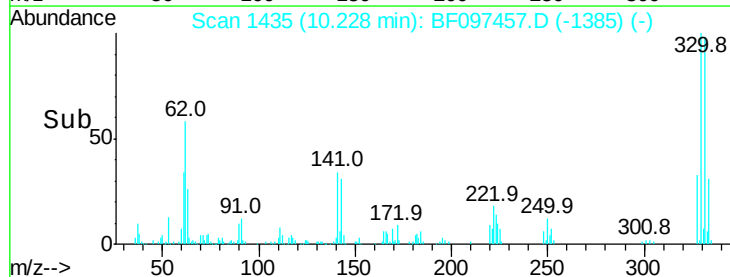
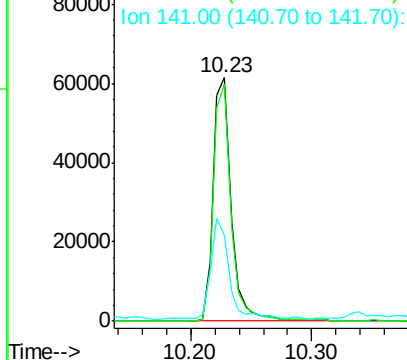


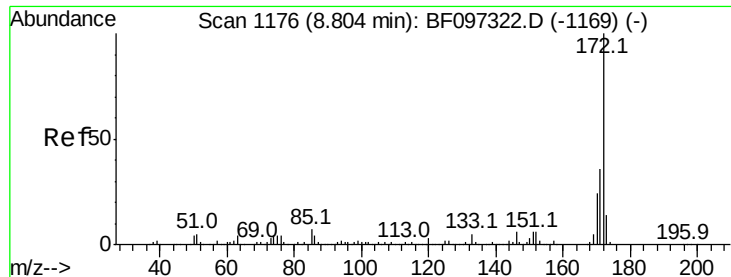
#41
 2,4,6-Tribromophenol
 Concen: 57.866 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	43.5	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: 44.057 ng

RT: 8.77 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

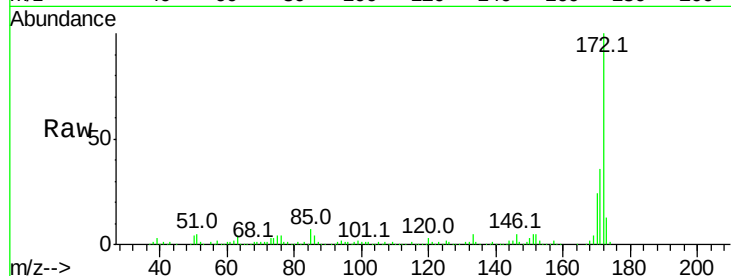
Tot Ion:172 Resp: 358653

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

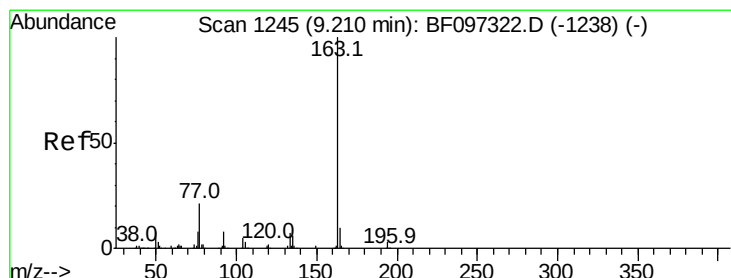
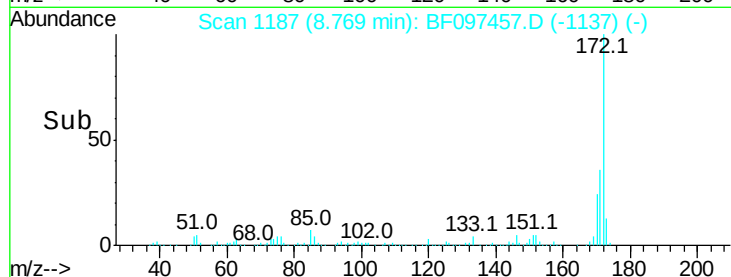
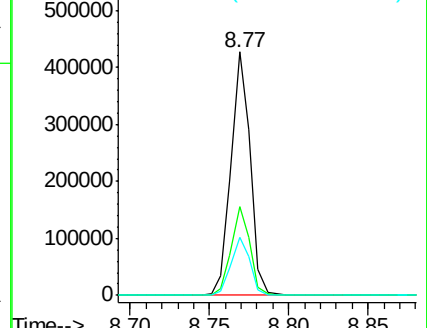
170 23.7 19.8 29.8



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: 7.220 ng

RT: 9.17 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

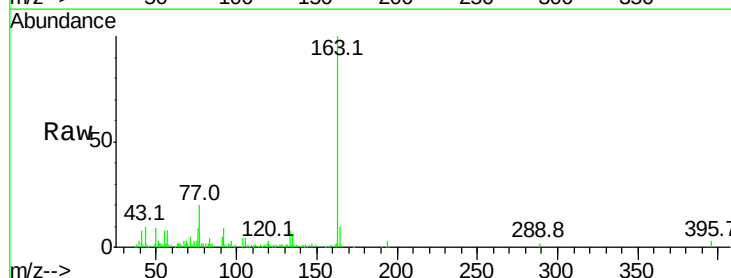
Tgt Ion:163 Resp: 75742

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

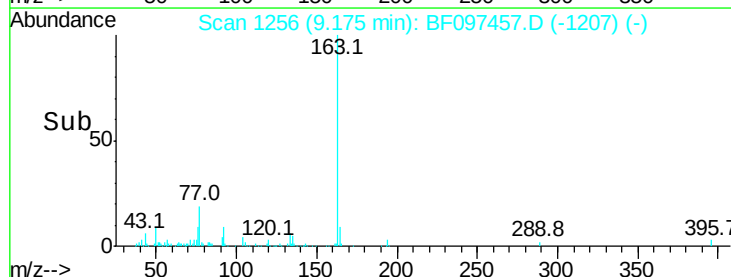
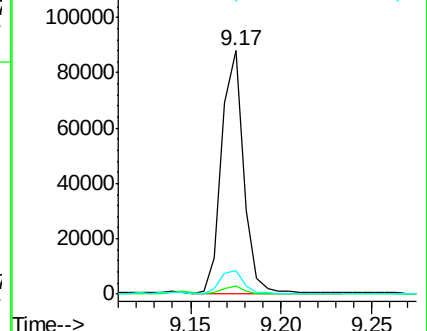
164 9.8 8.4 12.6

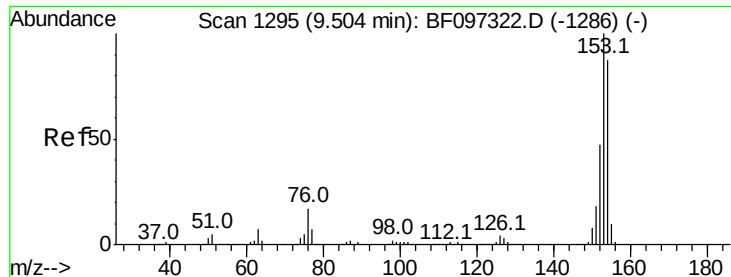


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.576 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

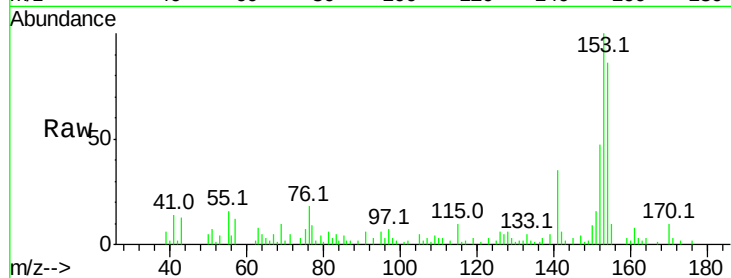
Tot Ion:154 Resp: 20225

Ion Ratio Lower Upper

154 100

153 116.4 90.5 135.7

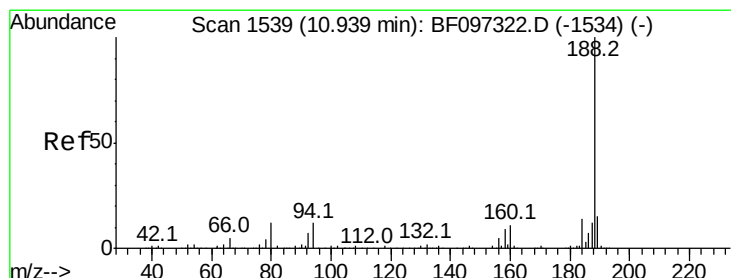
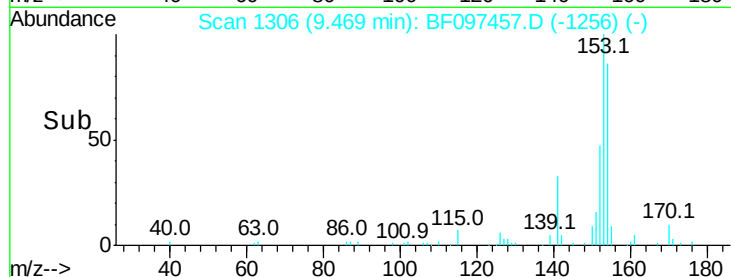
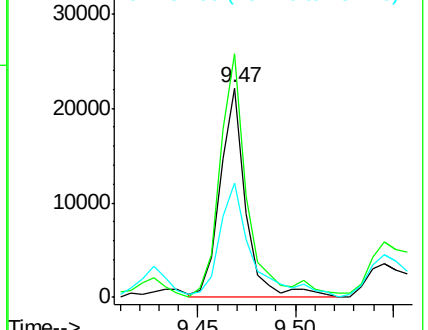
152 54.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.91 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

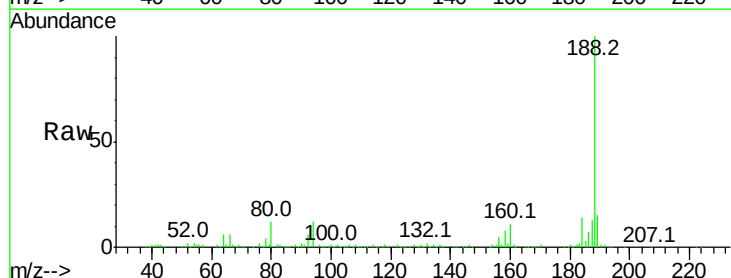
Tgt Ion:188 Resp: 224911

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

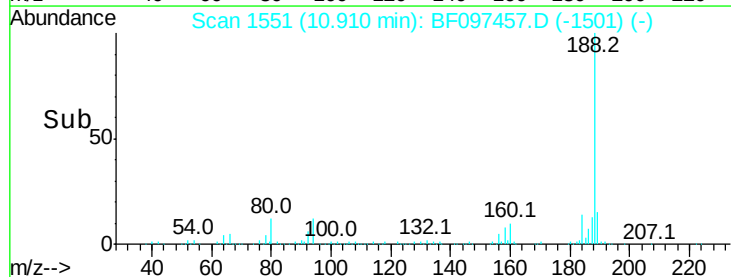
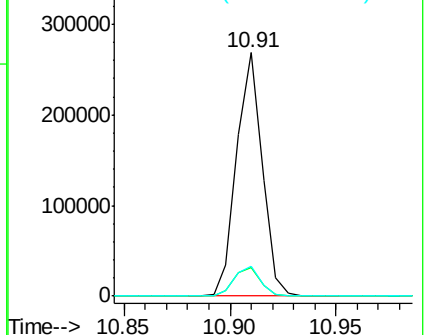
80 12.5 10.2 15.2

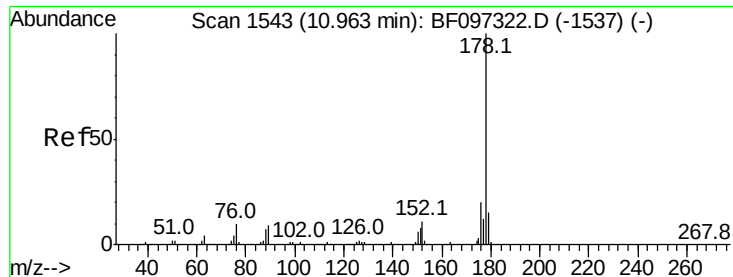


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.517 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

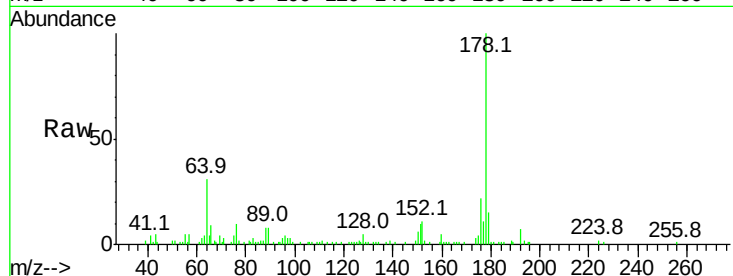
Tot Ion:178 Resp: 42388

Ion Ratio Lower Upper

178 100

176 21.6 16.2 24.4

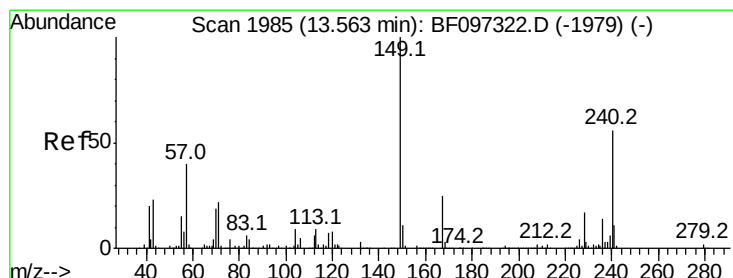
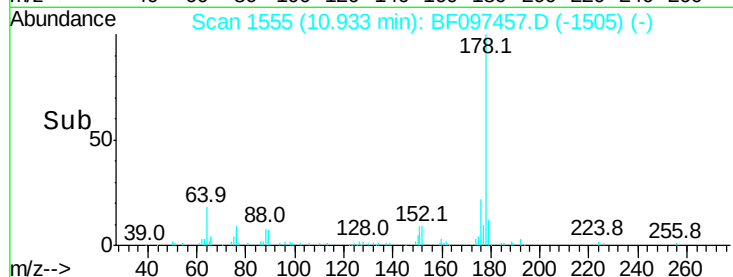
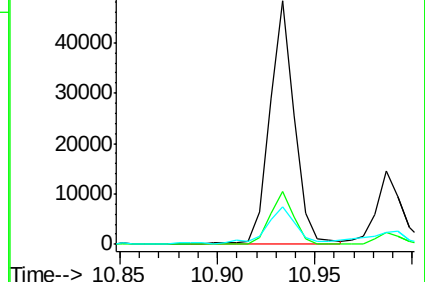
179 15.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097457.D

Acq: 8 Aug 2017 5:04

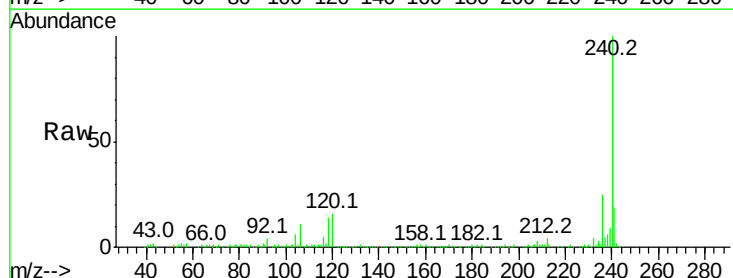
Tgt Ion:240 Resp: 211675

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

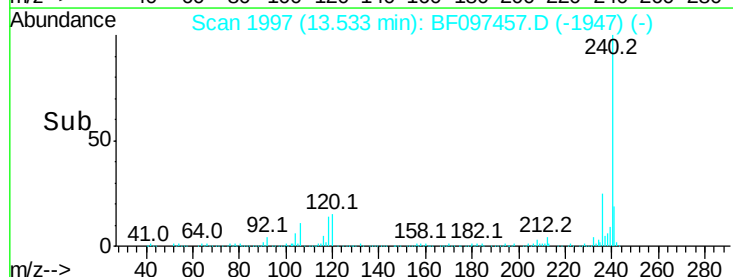
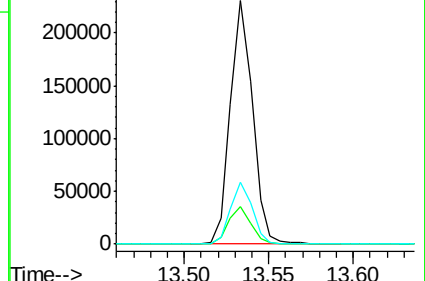
236 25.2 20.5 30.7

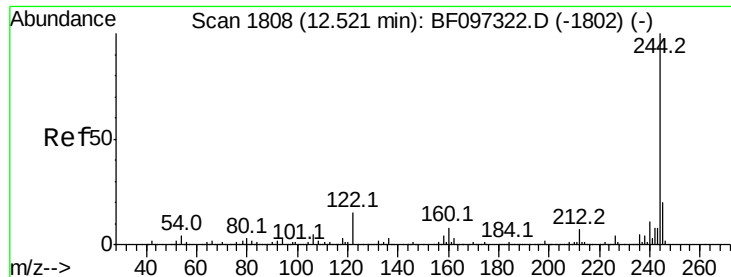


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

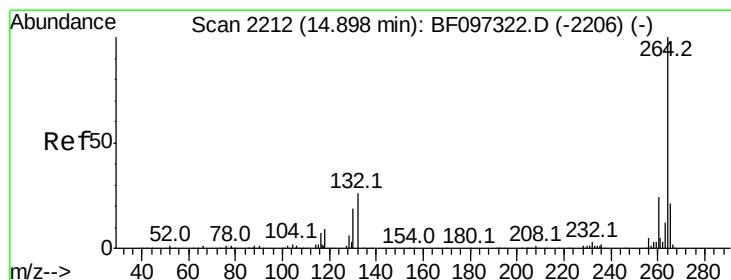
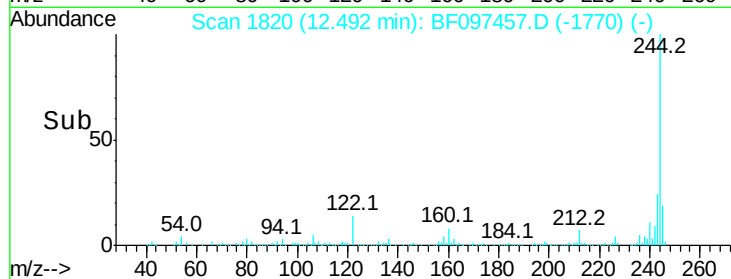
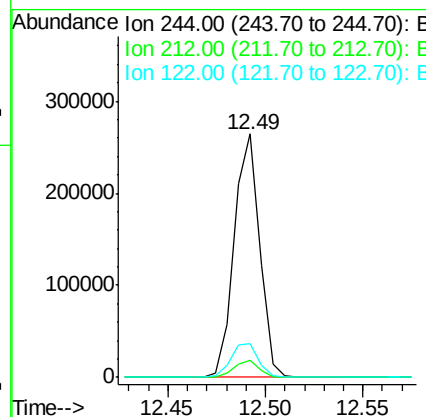
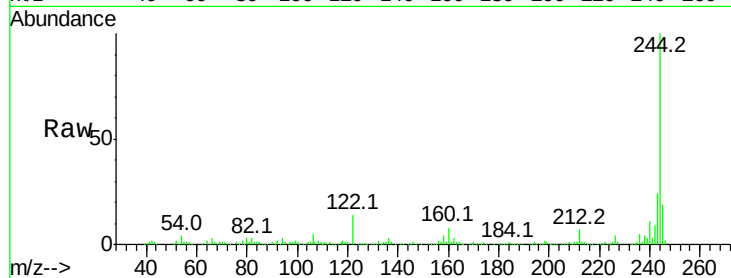




#78
 Terphenyl-d14
 Concen: 23.012 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

Tot Ion:244 Resp: 238913
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF097457.D
 Acq: 8 Aug 2017 5:04

Tgt Ion:264 Resp: 142391
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 21.1 17.2 25.8

