

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097114.D
 Acq On : 27 Jul 2017 9:30
 Operator : SJ/JU
 Sample : I4443-12 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M7-ESW

Quant Time: Jul 27 11:34:54 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

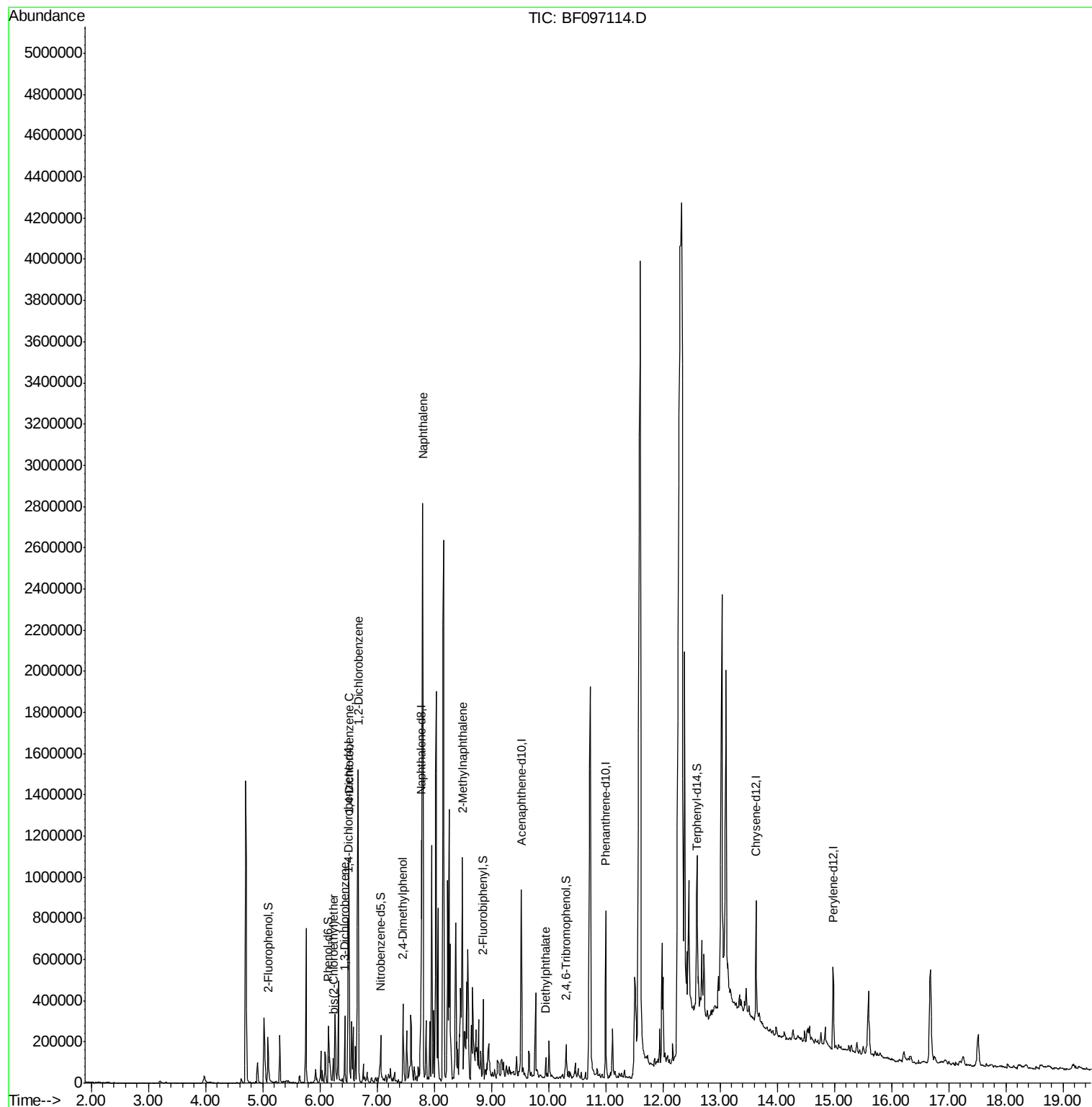
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	115842	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	479882	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	189169	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	265726	20.00	ng	0.00
75) Chrysene-d12	13.63	240	195380	20.00	ng	0.00
86) Perylene-d12	14.98	264	154538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	86894	11.31	ng	0.00
7) Phenol-d6	6.15	99	109643	12.50	ng	-0.02
23) Nitrobenzene-d5	7.06	82	57055	6.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.31	330	15206	10.17	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	102699	9.21	ng	-0.01
78) Terphenyl-d14	12.59	244	47396	4.95	ng	0.00
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.23	93	34697	4.216	ng	91
12) 1,3-Dichlorobenzene	6.43	146	73709	8.324	ng	99
13) 1,4-Dichlorobenzene	6.51	146	246667	28.109	ng	94
14) 1,2-Dichlorobenzene	6.67	146	359685	46.943	ng	97
27) 2,4-Dimethylphenol	7.46	122	55925	7.355	ng	98
31) Naphthalene	7.80	128	1172623	51.838	ng	100
37) 2-Methylnaphthalene	8.49	142	223386	15.597	ng	99
59) Diethylphthalate	9.95	149	34296	2.602	ng	99

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

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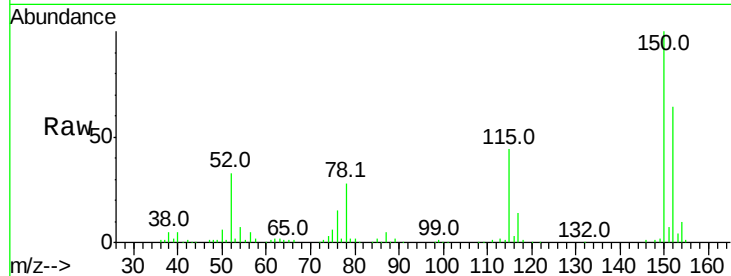


#1

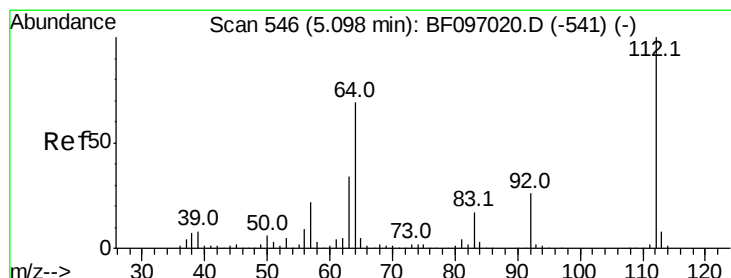
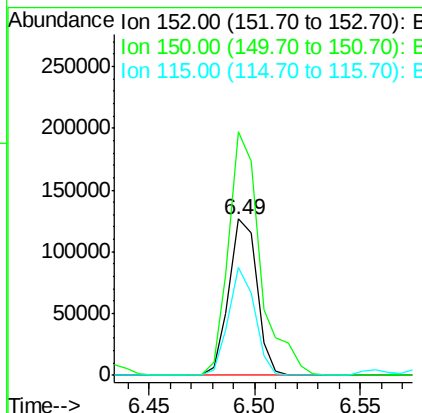
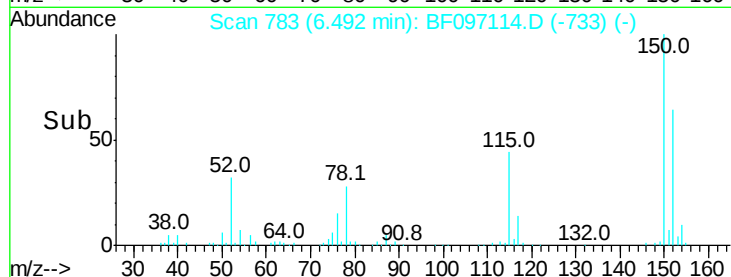
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :
 E2-M7-ESW

Tot Ion:152 Resp: 115842
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.2 189.2
 115 68.8 52.2 78.2



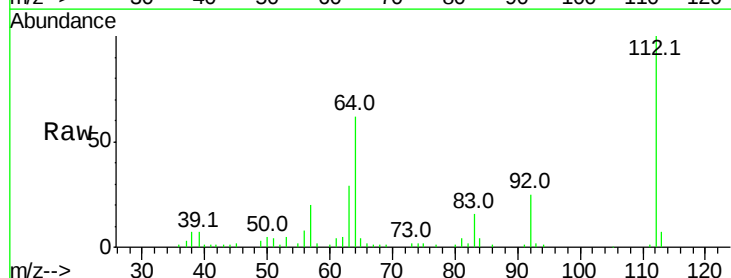
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



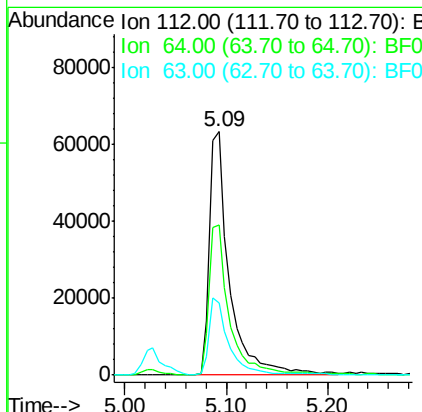
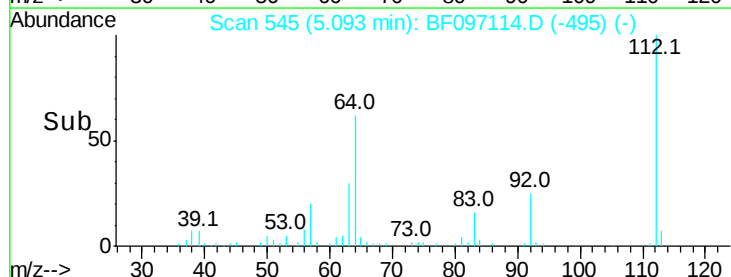
#5

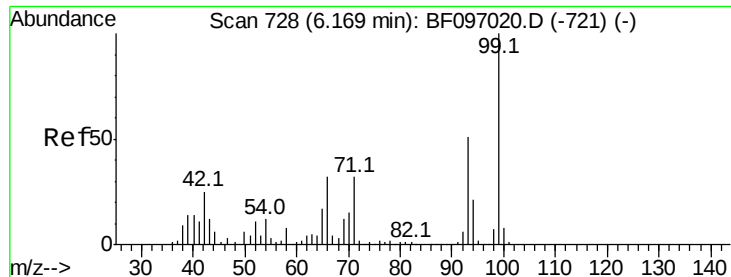
2-Fluorophenol
 Concen: 11.308 ng
 RT: 5.09 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Tgt Ion:112 Resp: 86894
 Ion Ratio Lower Upper
 112 100
 64 61.8 46.0 69.0
 63 29.4 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: 12.498 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

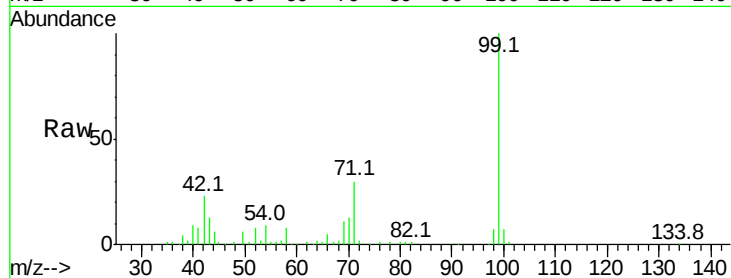
Tot Ion: 99 Resp: 109643

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

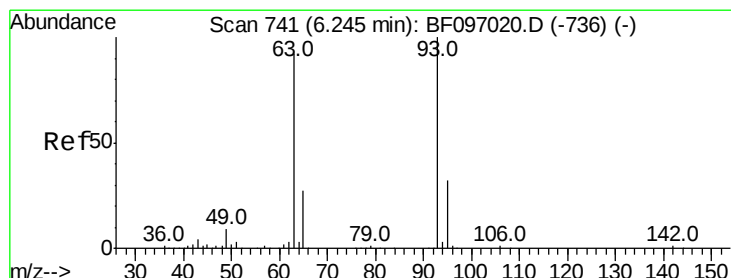
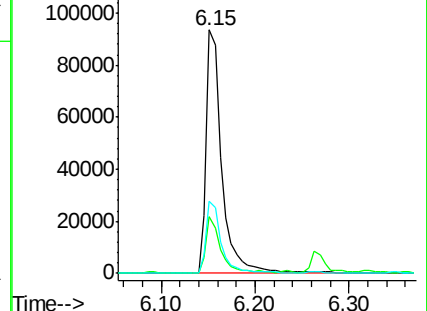
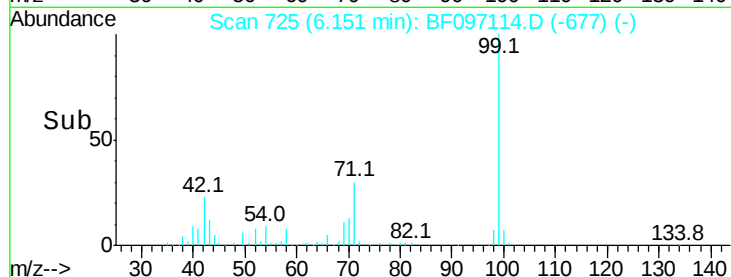
71 29.6 24.5 36.7



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: 4.216 ng

RT: 6.23 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

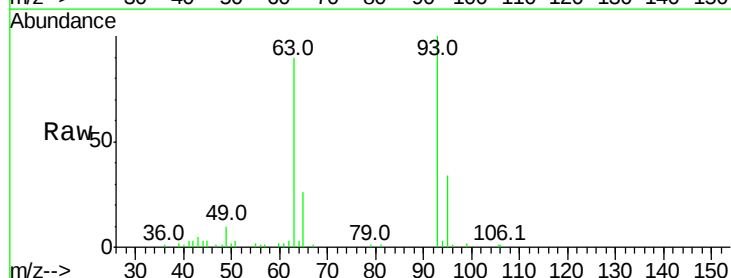
Tgt Ion: 93 Resp: 34697

Ion Ratio Lower Upper

93 100

63 90.2 59.2 99.2

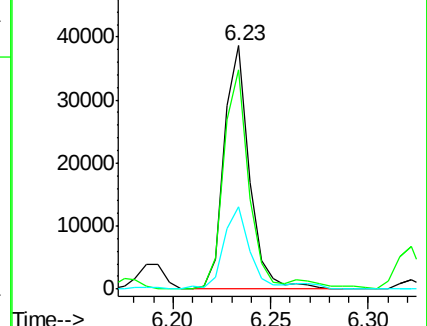
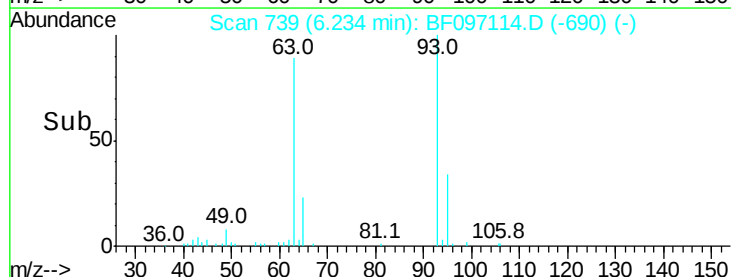
95 34.1 12.8 52.8

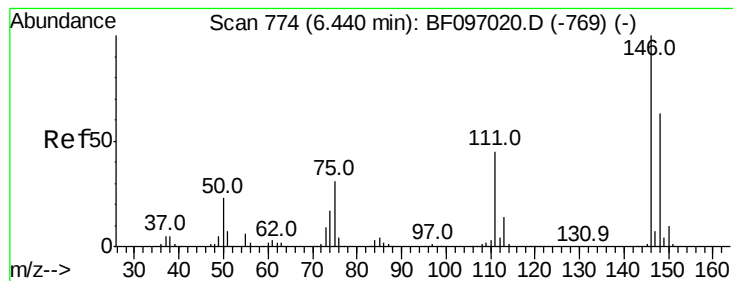


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 8.324 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

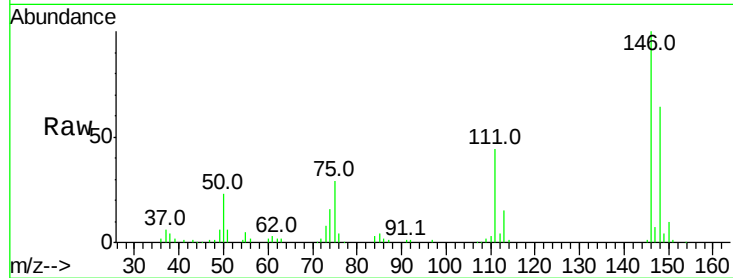
Tot Ion:146 Resp: 73709

Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.6

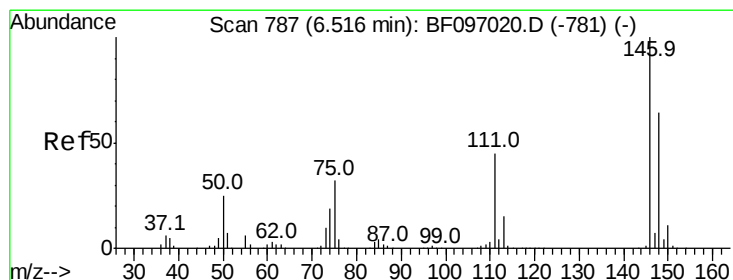
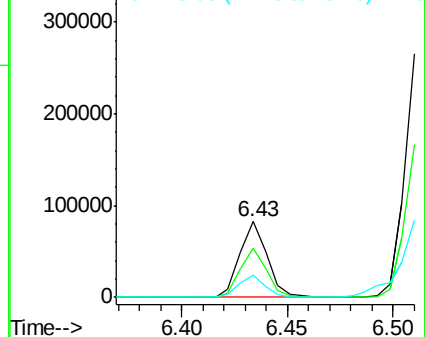
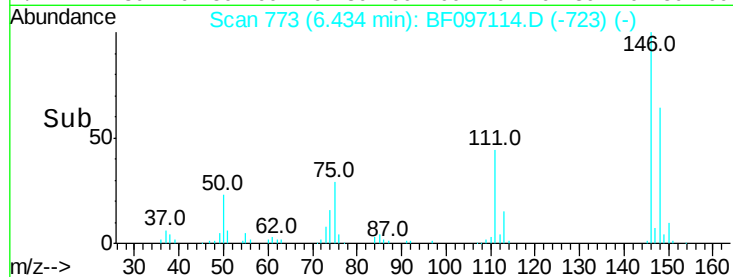
75 29.2 23.1 34.7



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: 28.109 ng

RT: 6.51 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

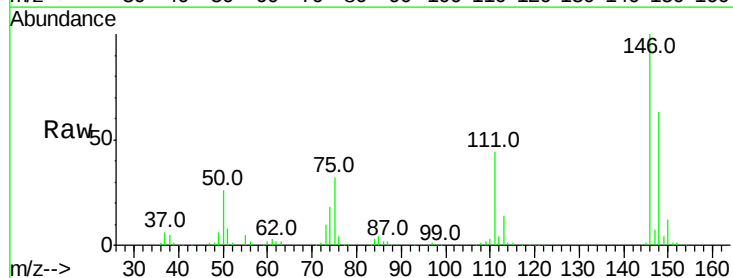
Tgt Ion:146 Resp: 246667

Ion Ratio Lower Upper

146 100

148 62.6 52.2 78.2

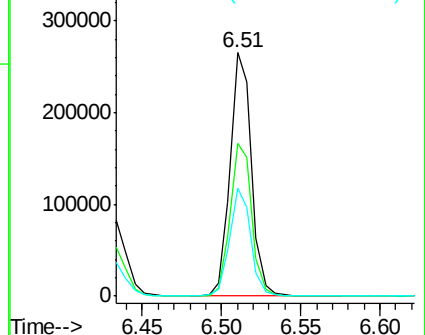
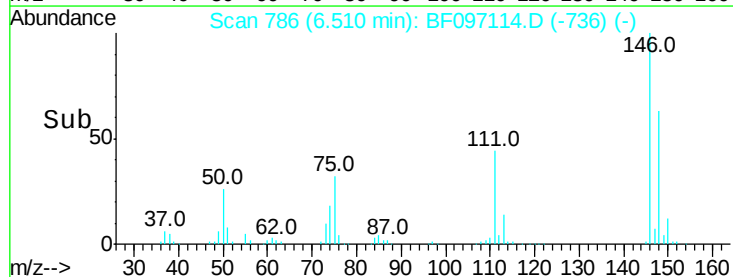
111 44.4 30.3 45.5

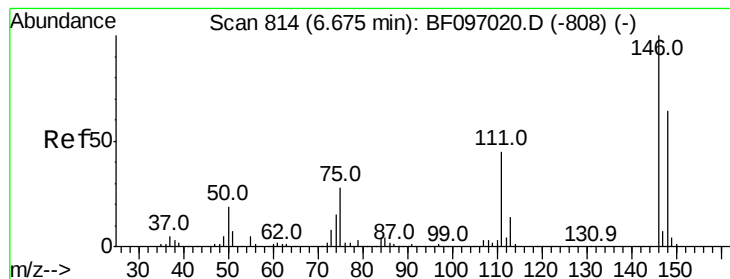


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 46.943 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

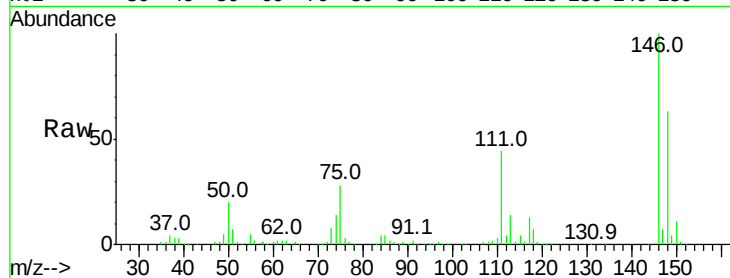
Tot Ion:146 Resp: 359685

Ion Ratio Lower Upper

146 100

148 63.2 50.4 75.6

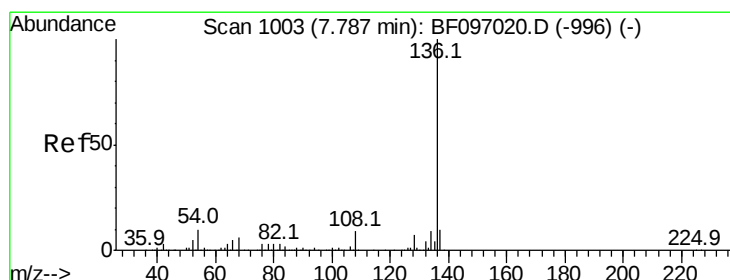
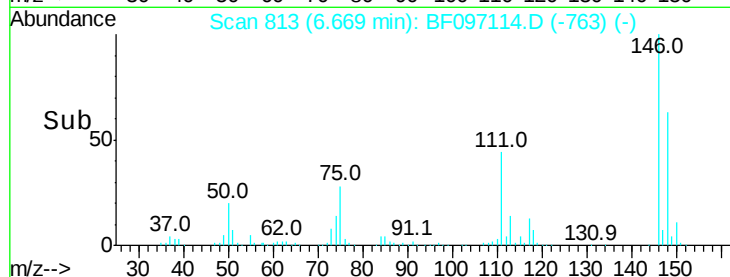
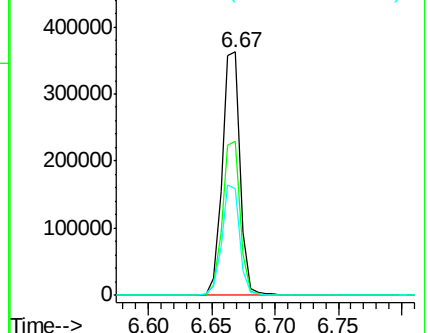
111 43.9 38.2 57.4



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: BF097114.D

Acq: 27 Jul 2017 9:30

Tgt Ion:136 Resp: 479882

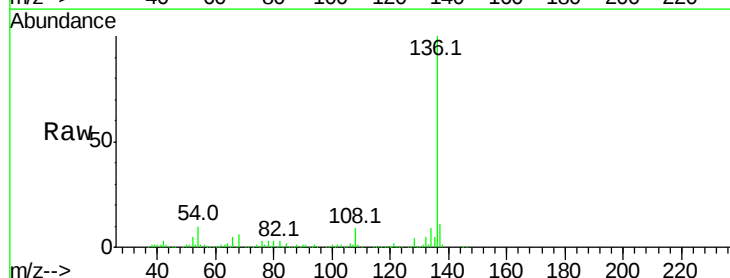
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.9 4.9 7.3#

68 5.9 4.1 6.1

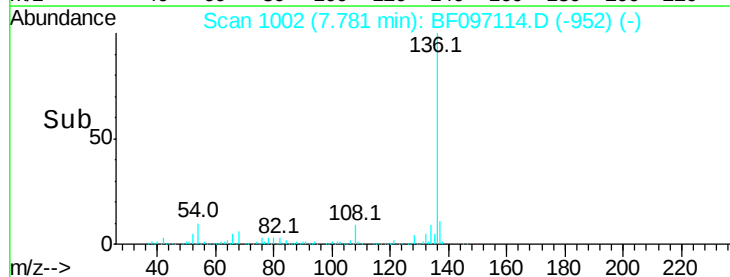
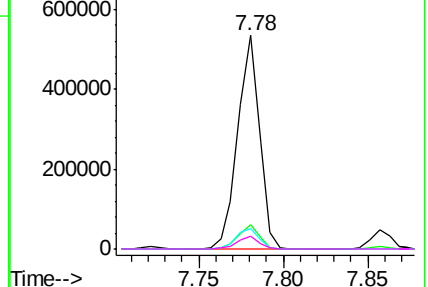


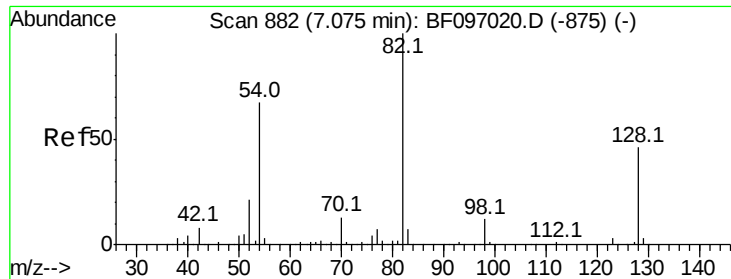
Abundance Ion 136.00 (135.70 to 136.70): E

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

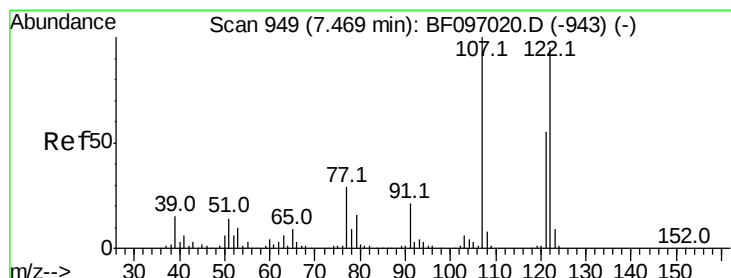
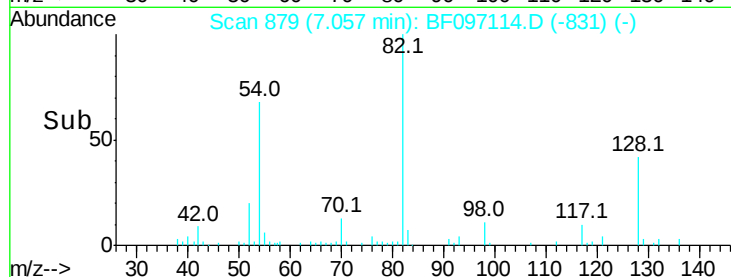
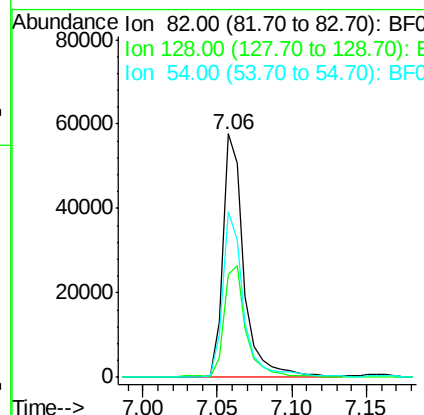
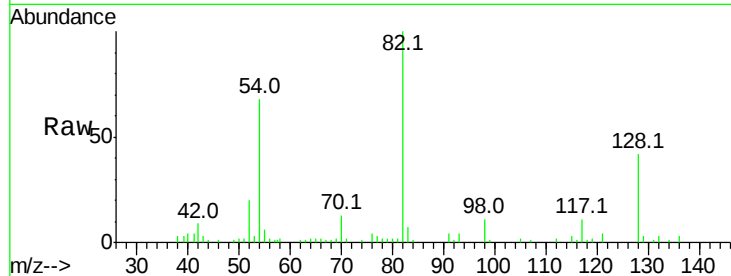




#23
 Nitrobenzene-d5
 Concen: 6.975 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

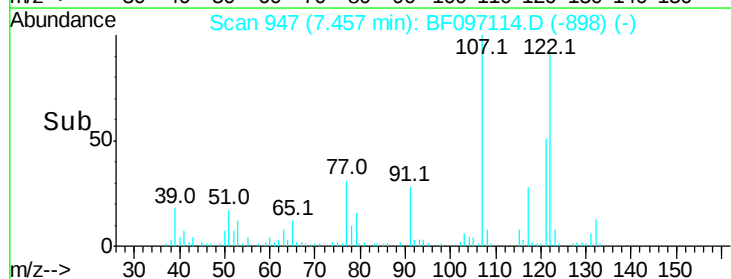
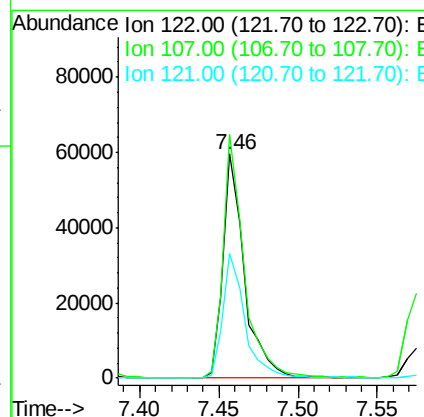
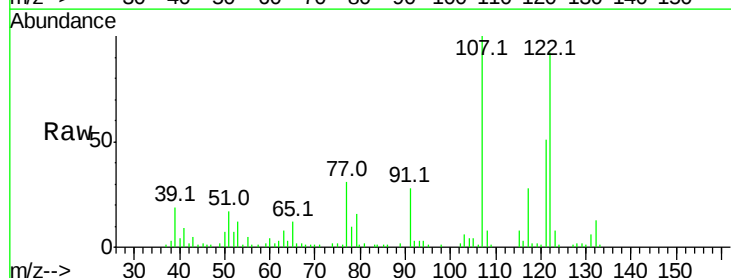
Instrument :
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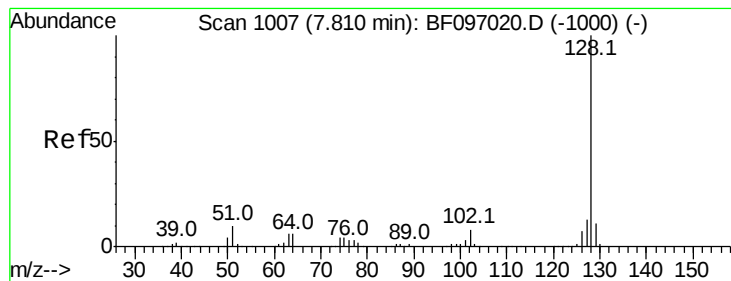
Tot Ion:	82	Resp:	57055
Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	68.0	42.2	63.2#



#27
 2,4-Dimethylphenol
 Concen: 7.355 ng
 RT: 7.46 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Tgt Ion:	122	Resp:	55925
Ion	Ratio	Lower	Upper
122	100		
107	108.8	89.2	133.8
121	55.5	45.2	67.8





#31

Naphthalene

Concen: 51.838 ng

RT: 7.80 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

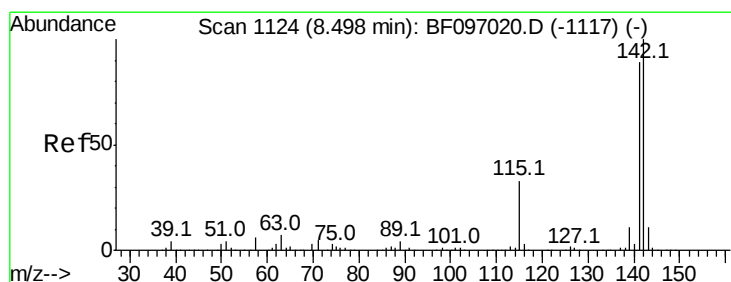
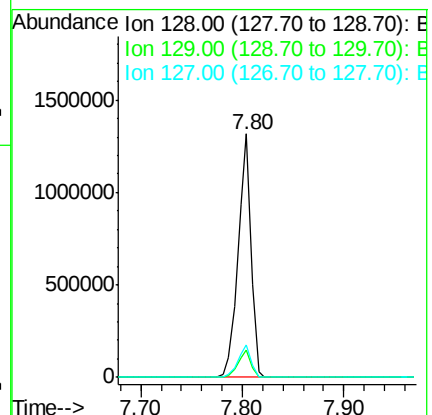
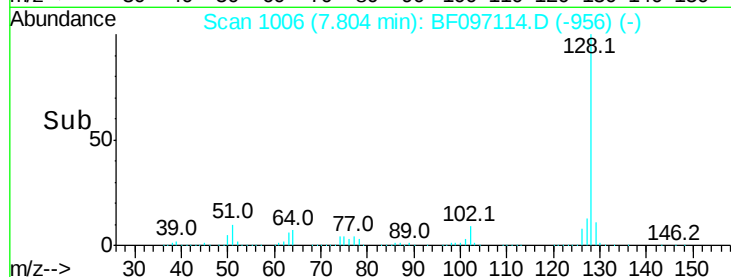
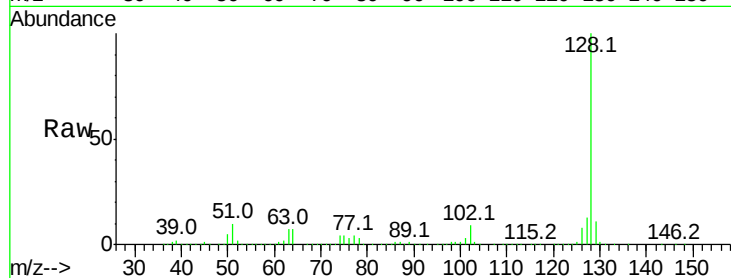
Tot Ion:128 Resp: 1172623

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

127 13.5 10.8 16.2



#37

2-Methylnaphthalene

Concen: 15.597 ng

RT: 8.49 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

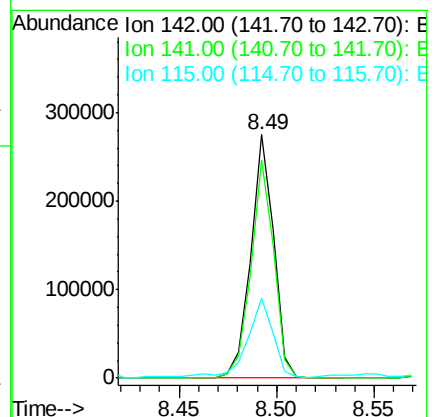
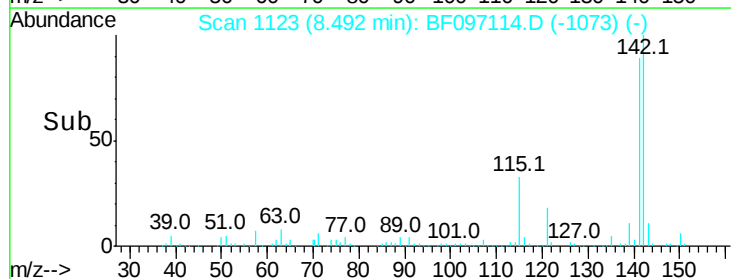
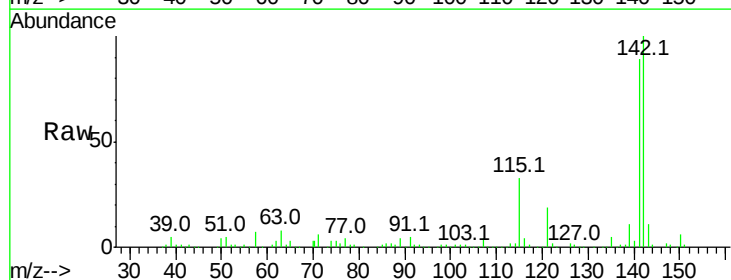
Tgt Ion:142 Resp: 223386

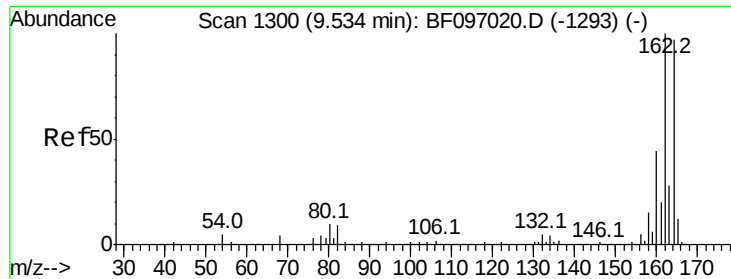
Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

115 32.9 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

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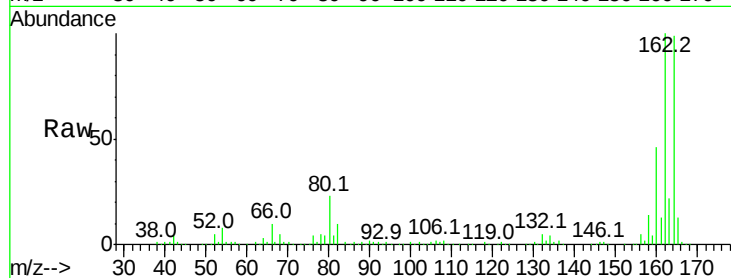
Tot Ion:164 Resp: 189169

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

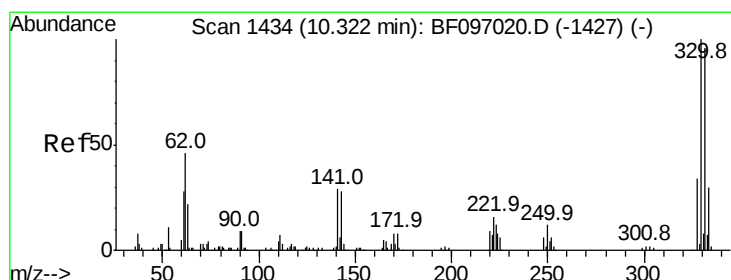
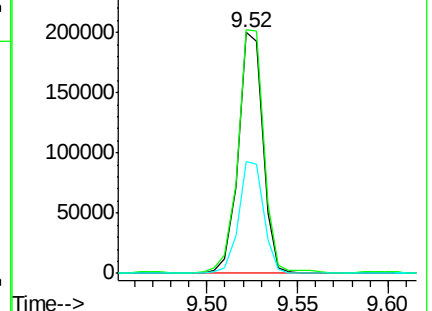
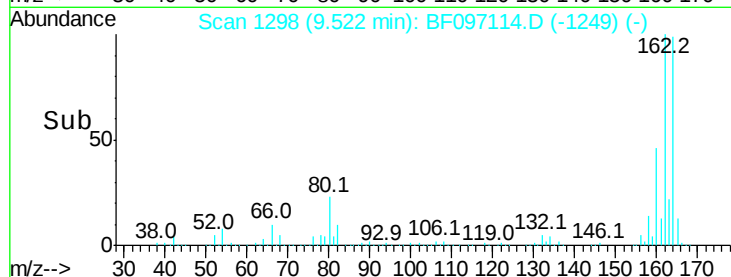
160 46.3 36.2 54.2



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: 10.174 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

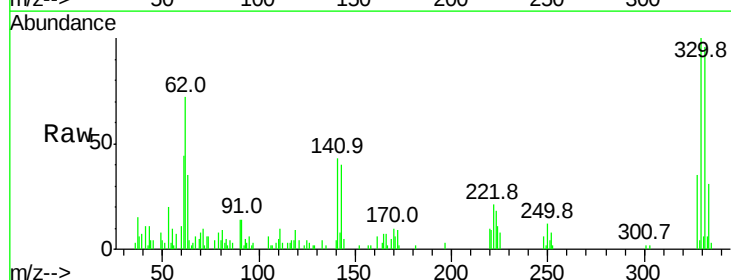
Tgt Ion:330 Resp: 15206

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

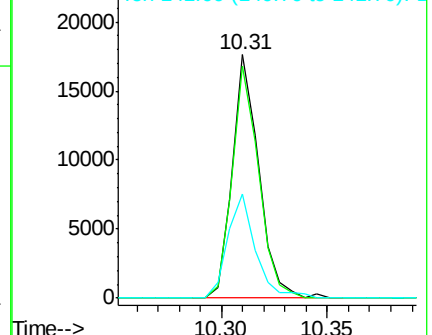
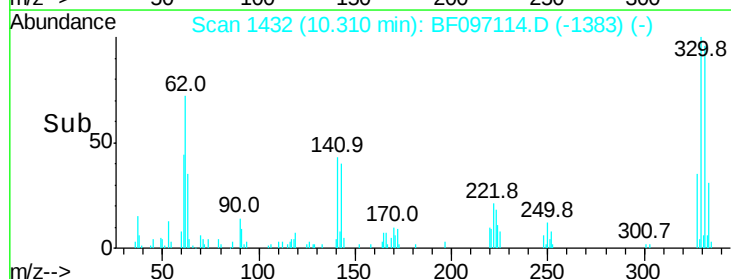
141 45.1 31.4 47.2

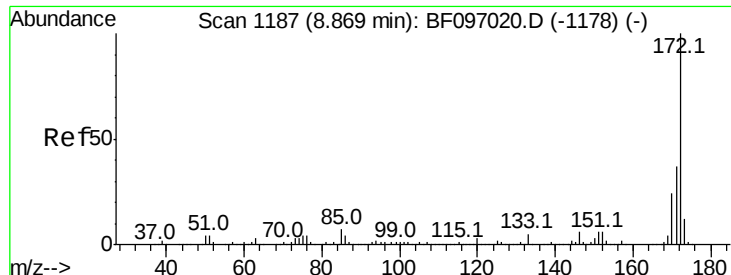


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

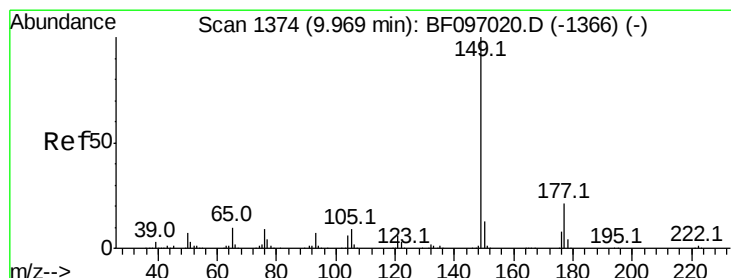
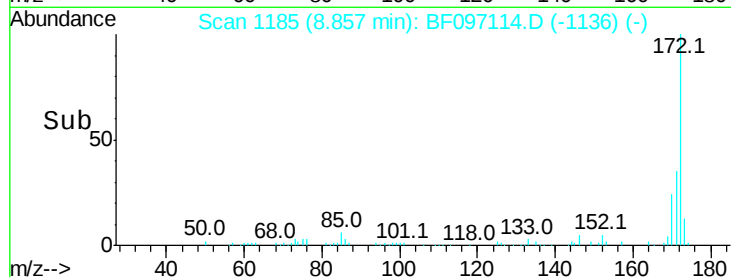
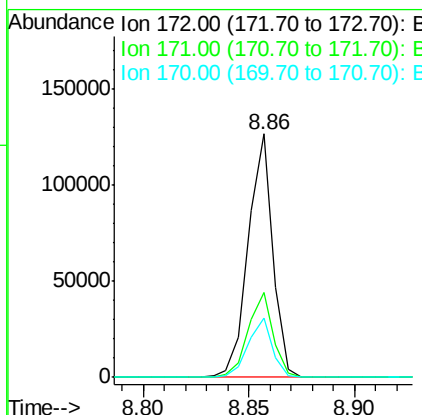
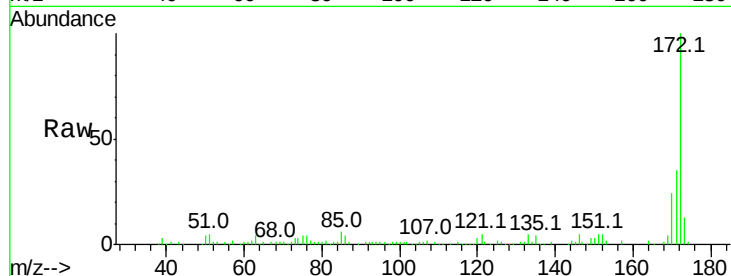




#44
 2-Fluorobiphenyl
 Concen: 9.213 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

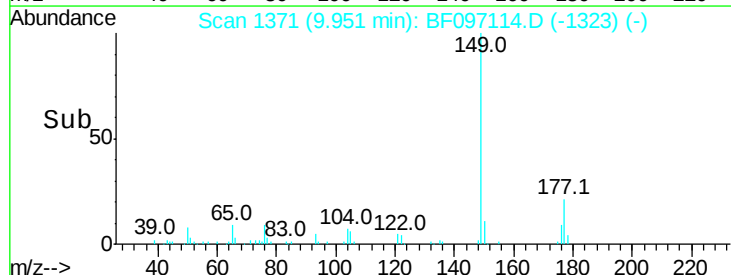
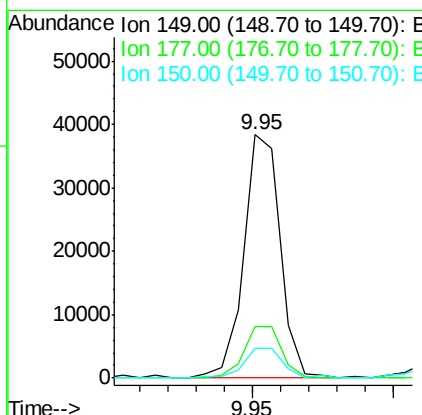
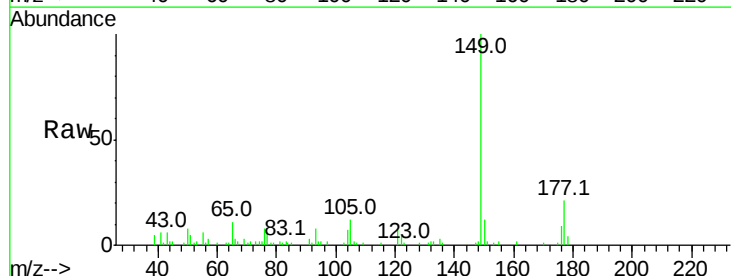
Instrument :
 BNA_F
 ClientSampleId :
 E2-M7-ESW

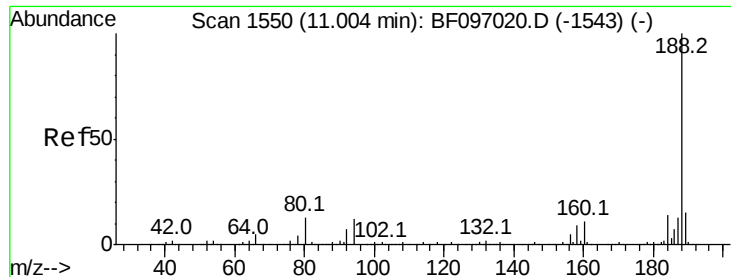
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	24.3	19.8	29.8



#59
 Diethylphthalate
 Concen: 2.602 ng
 RT: 9.95 min Scan# 1371
 Delta R.T. -0.02 min
 Lab File: BF097114.D
 Acq: 27 Jul 2017 9:30

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.7	25.1
150	12.2	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: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

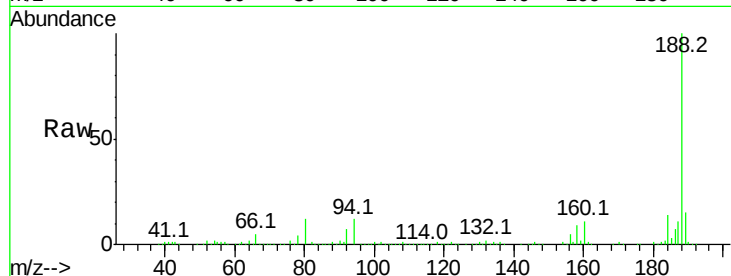
Tot Ion:188 Resp: 265726

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

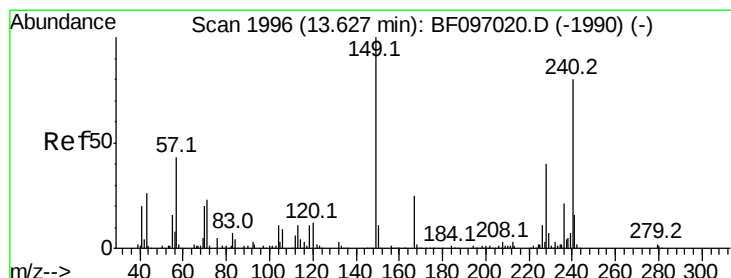
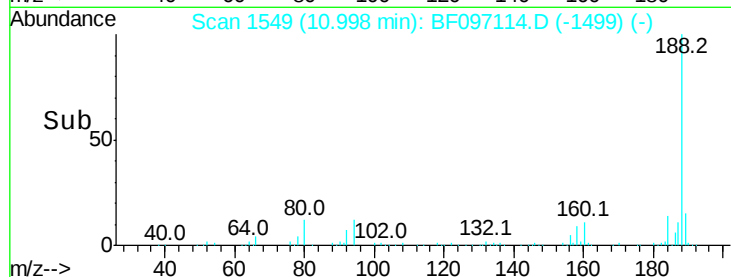
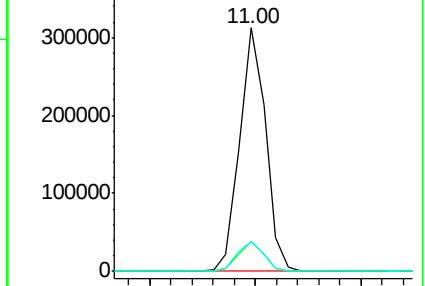
80 12.2 10.2 15.2



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: 13.63 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

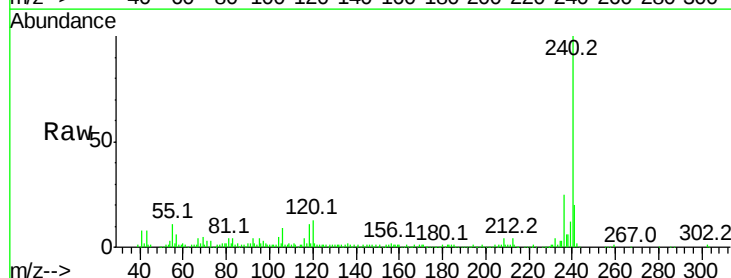
Tgt Ion:240 Resp: 195380

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

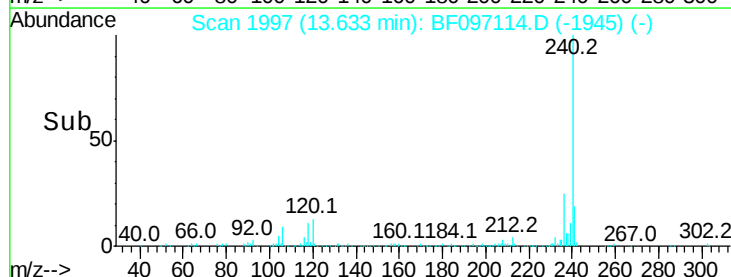
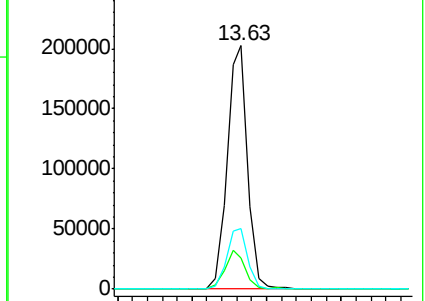
236 24.8 20.5 30.7

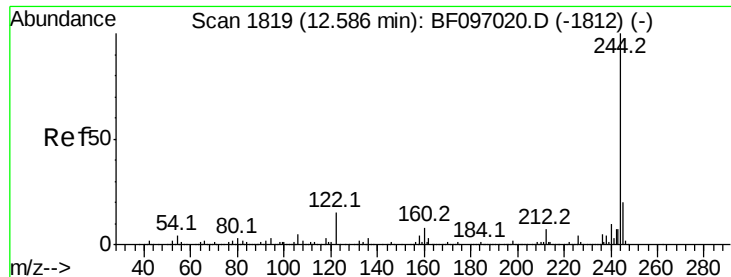


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 4.946 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

Instrument :

BNA_F

ClientSampleId :

E2-M7-ESW

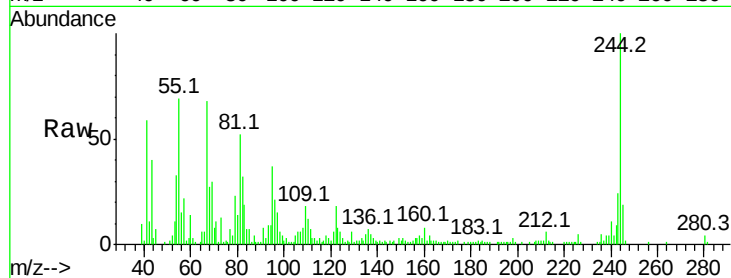
Tot Ion:244 Resp: 47396

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

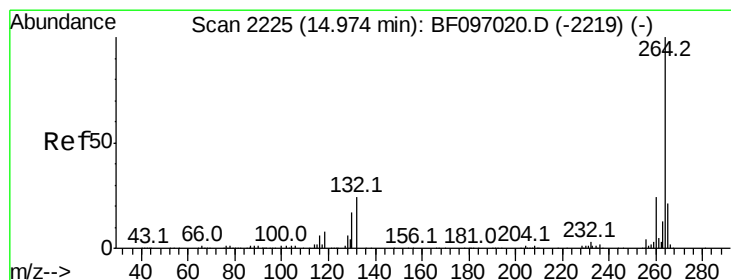
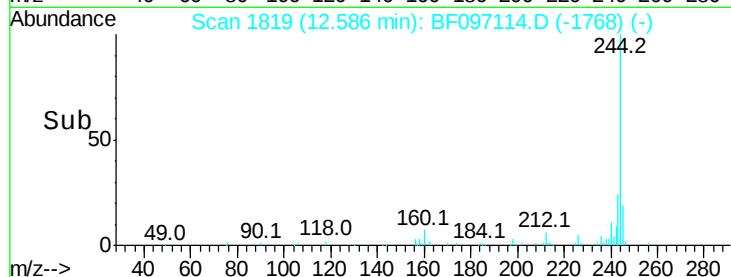
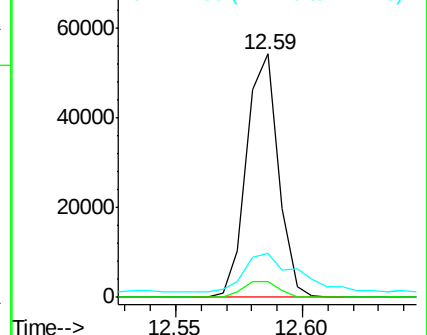
122 18.2 10.3 15.5#



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

Perylene-d12

Concen: 20.000 ng

RT: 14.98 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF097114.D

Acq: 27 Jul 2017 9:30

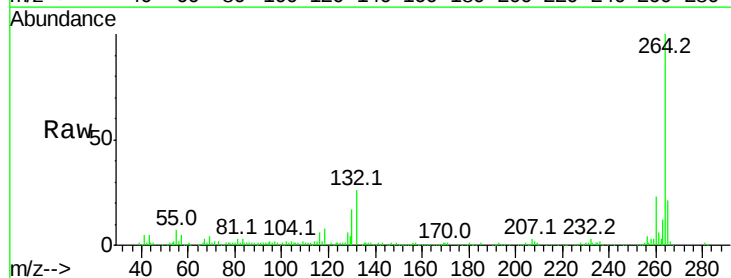
Tgt Ion:264 Resp: 154538

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

265 21.5 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

