

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
 Data File : BF097422.D
 Acq On : 6 Aug 2017 6:07
 Operator : SJ/JU
 Sample : I4545-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-09-BASE

Quant Time: Aug 06 07:54:39 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

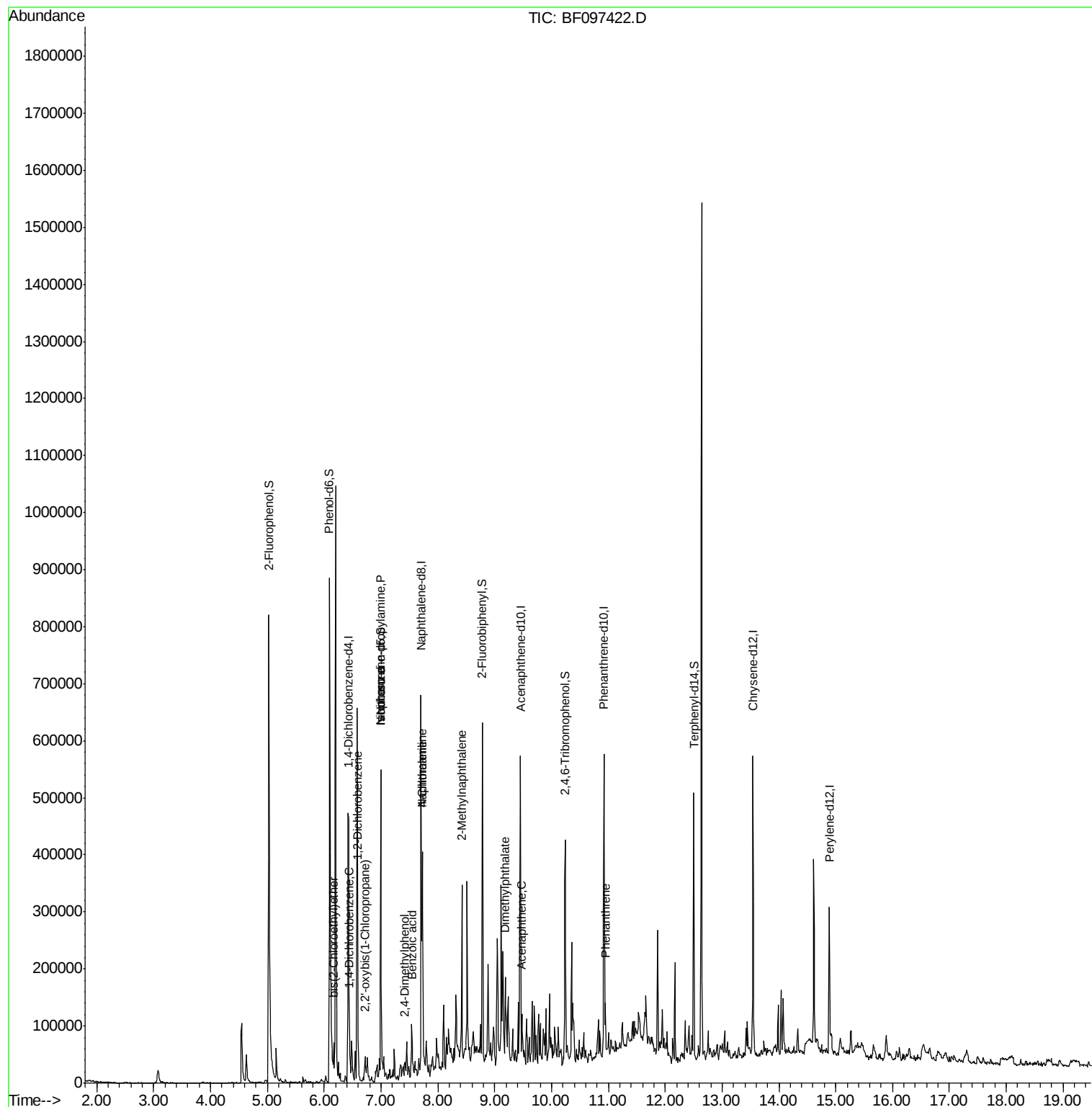
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	77154	20.00	ng	-0.07
21) Naphthalene-d8	7.70	136	283978	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	97847	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	174483	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	164625	20.00	ng	-0.08
86) Perylene-d12	14.89	264	100081	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	325598	63.62	ng	-0.08
7) Phenol-d6	6.09	99	382805	65.52	ng	-0.08
23) Nitrobenzene-d5	6.99	82	168589	34.83	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	42178	54.56	ng	-0.08
44) 2-Fluorobiphenyl	8.78	172	187127	32.46	ng	-0.09
78) Terphenyl-d14	12.50	244	135595	16.79	ng	-0.08
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.17	93	16065	2.93	ng	89
13) 1,4-Dichlorobenzene	6.45	146	14966	2.56	ng	96
14) 1,2-Dichlorobenzene	6.59	146	11798	2.31	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.72	45	22533	2.05	ng	97
19) n-Nitroso-di-n-propylamine	6.99	70	21522	5.60	ng	# 78
25) Isophorone	6.99	82	168587	17.78	ng	# 67
27) 2,4-Dimethylphenol	7.42	122	9572	2.13	ng	93
31) Naphthalene	7.73	128	160055	11.96	ng	100
32) Benzoic acid	7.54	122	21921	6.52	ng	# 21
33) 4-Chloroaniline	7.73	127	22003	4.04	ng	# 31
37) 2-Methylnaphthalene	8.42	142	72990	8.61	ng	97
49) Dimethylphthalate	9.19	163	49849	6.71	ng	96
51) Acenaphthene	9.48	154	13693	2.46	ng	95
70) Phenanthrene	10.95	178	31833	3.41	ng	99

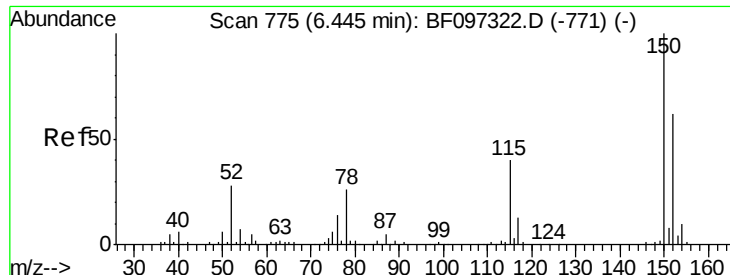
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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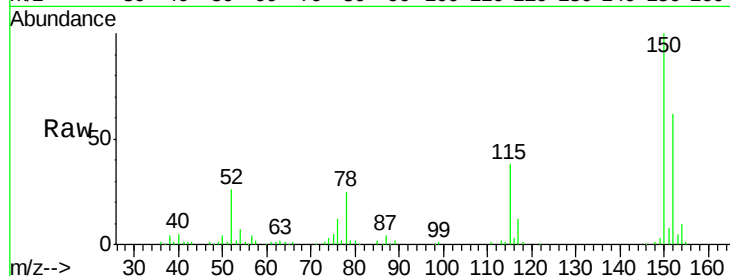


#1

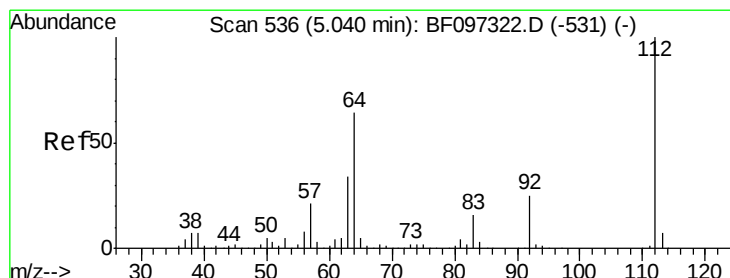
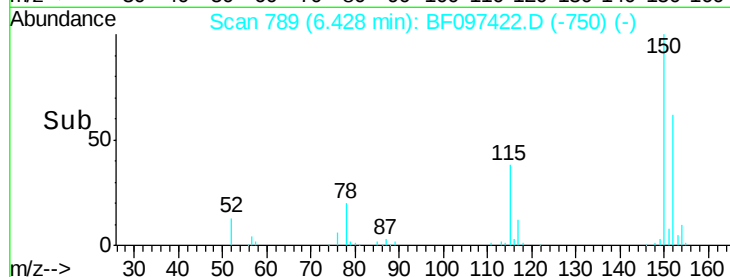
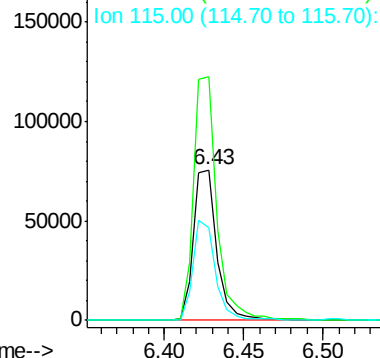
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097422.D
Acq: 6 Aug 2017 6:07

Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

Tgt Ion:152 Resp: 77154
Ion Ratio Lower Upper
152 100
150 161.5 126.2 189.2
115 61.4 52.2 78.2



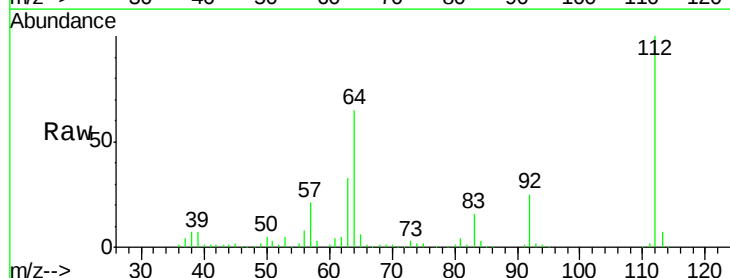
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



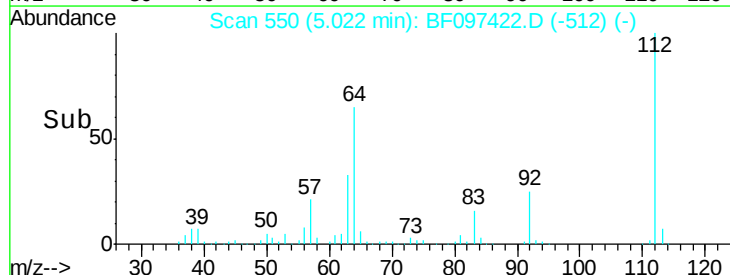
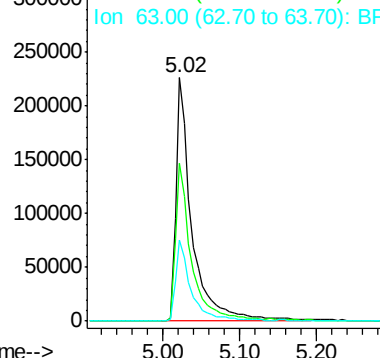
#5

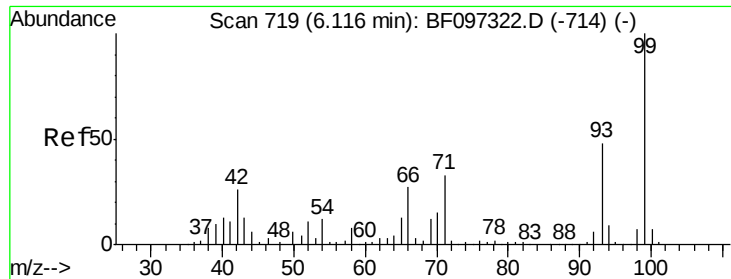
2-Fluorophenol
Concen: 63.62 ng
RT: 5.02 min Scan# 550
Delta R.T. -0.08 min
Lab File: BF097422.D
Acq: 6 Aug 2017 6:07

Tgt Ion:112 Resp: 325598
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 33.5 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: 65.52 ng

RT: 6.09 min Scan# 732

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

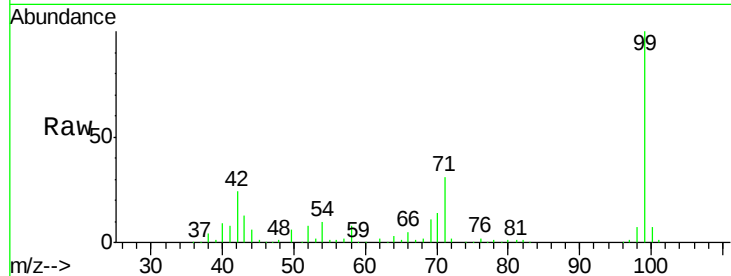
Tgt Ion: 99 Resp: 382805

Ion Ratio Lower Upper

99 100

42 24.3 13.5 20.3#

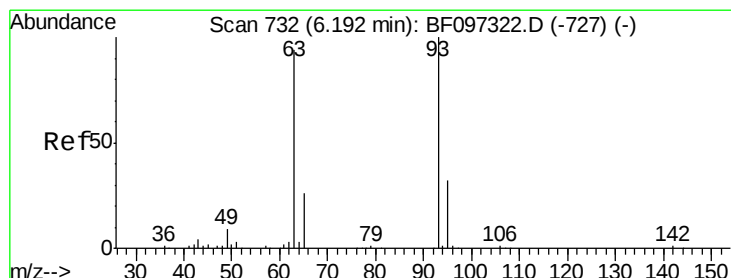
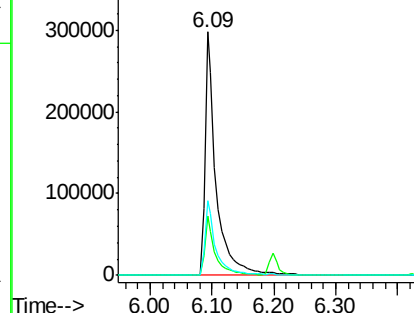
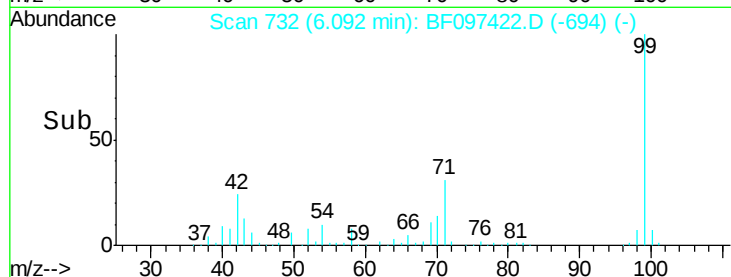
71 30.6 24.5 36.7



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: 2.93 ng

RT: 6.17 min Scan# 745

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

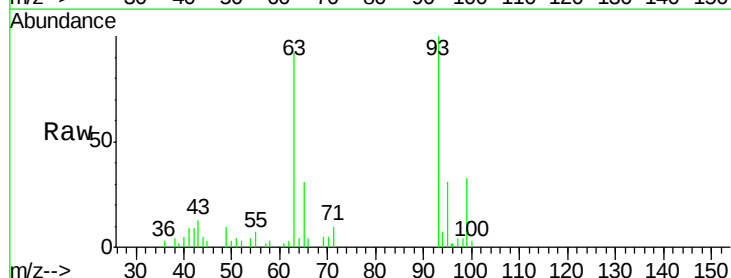
Tgt Ion: 93 Resp: 16065

Ion Ratio Lower Upper

93 100

63 92.1 59.2 99.2

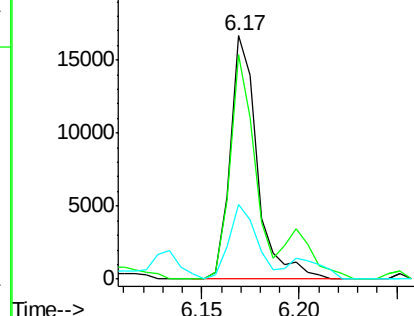
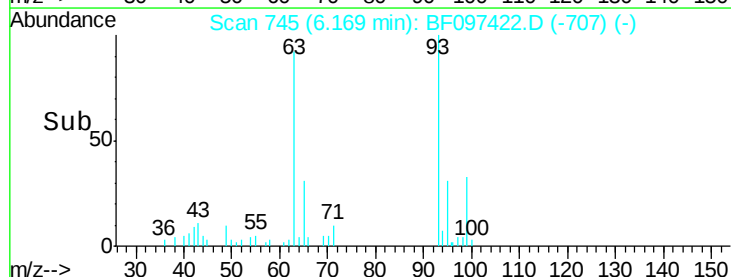
95 30.7 12.8 52.8

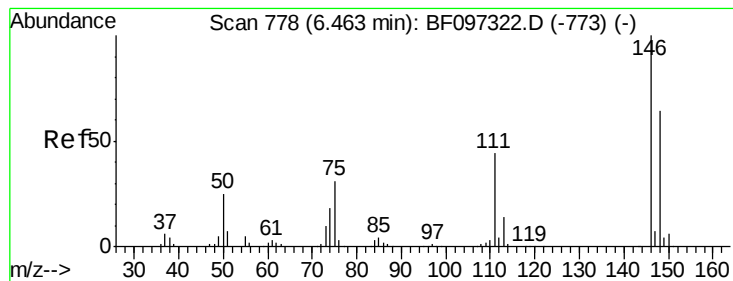


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#13

1,4-Dichlorobenzene

Concen: 2.56 ng

RT: 6.45 min Scan# 792

Delta R.T. -0.07 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

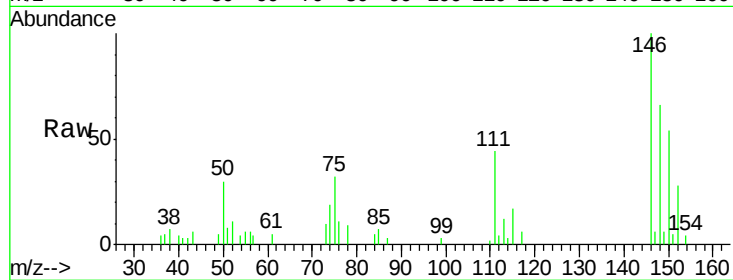
Tgt Ion:146 Resp: 14966

Ion Ratio Lower Upper

146 100

148 66.1 52.2 78.2

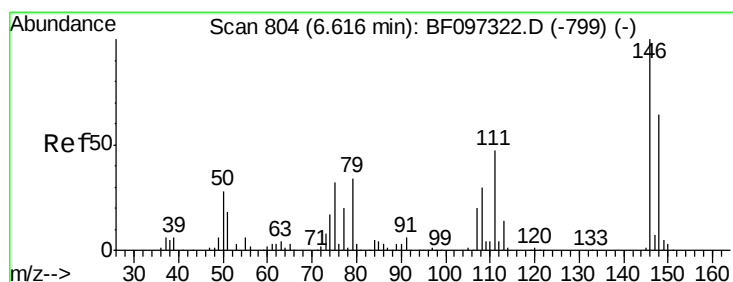
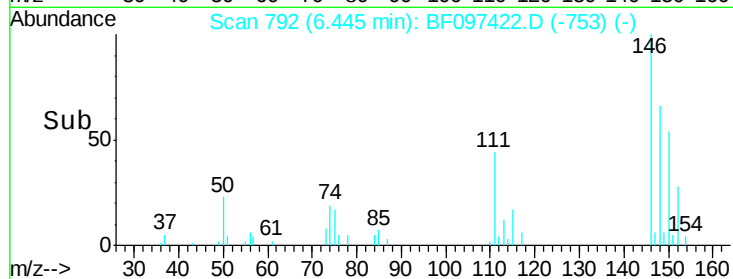
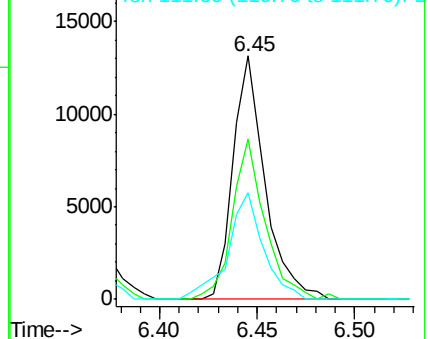
111 43.8 30.3 45.5



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: 2.31 ng

RT: 6.59 min Scan# 817

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

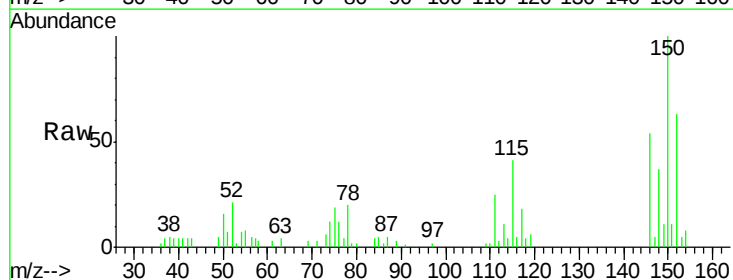
Tgt Ion:146 Resp: 11798

Ion Ratio Lower Upper

146 100

148 68.1 50.4 75.6

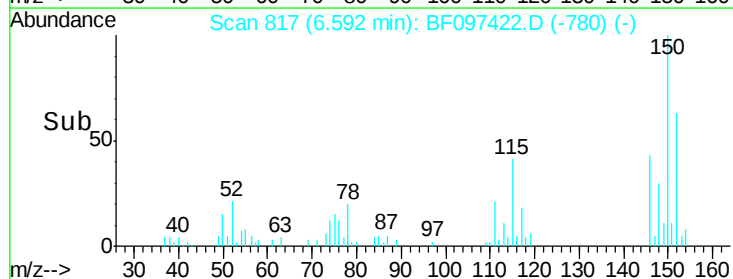
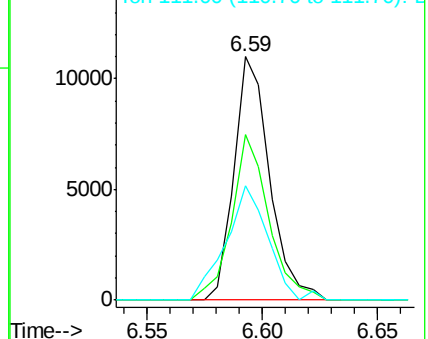
111 47.1 38.2 57.4

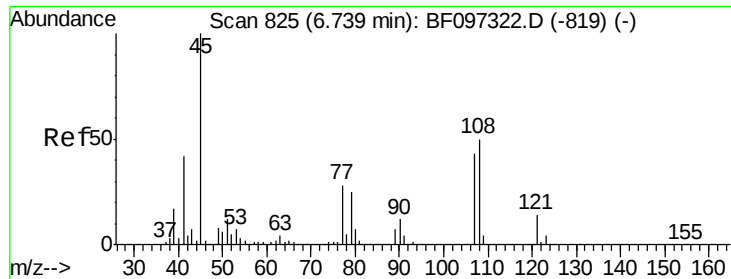


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

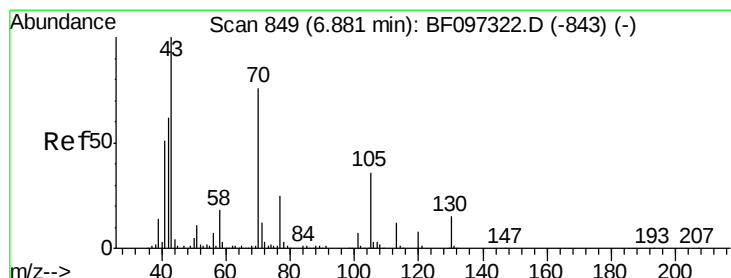
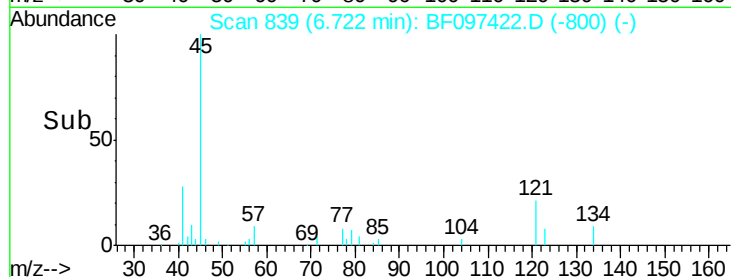
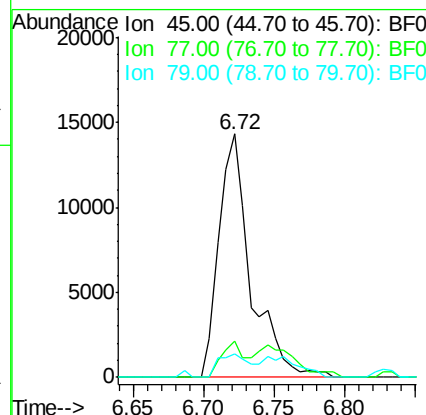
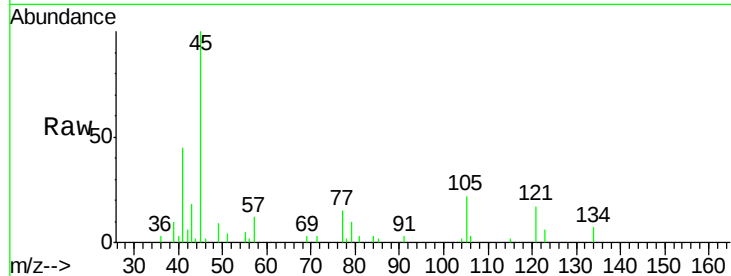




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 2.05 ng
 RT: 6.72 min Scan# 839
 Delta R.T. -0.07 min
 Lab File: BF097422.D
 Acq: 6 Aug 2017 6:07

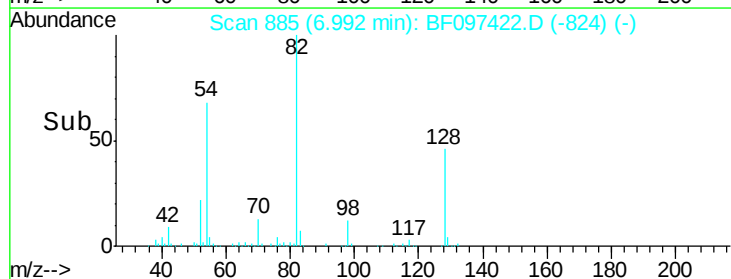
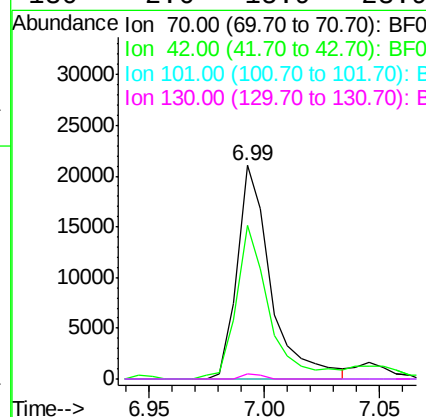
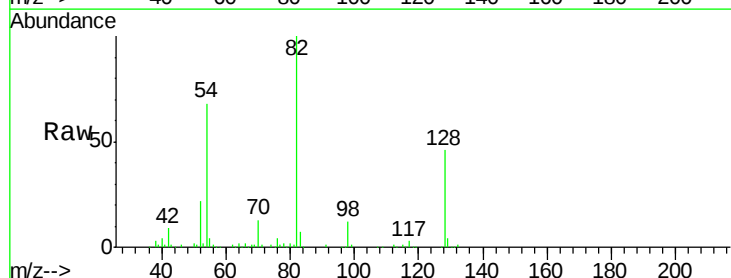
Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

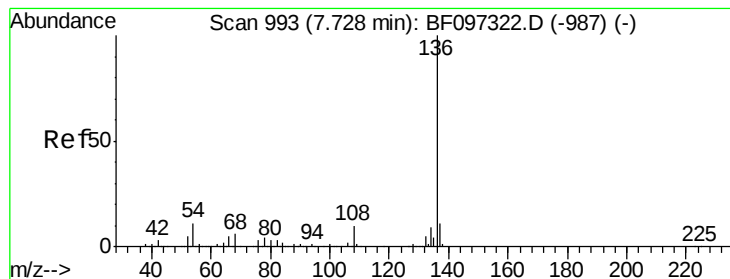
Tgt Ion: 45 Resp: 22533
 Ion Ratio Lower Upper
 45 100
 77 14.9 0.0 33.2
 79 9.5 0.0 30.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 5.60 ng
 RT: 6.99 min Scan# 885
 Delta R.T. 0.06 min
 Lab File: BF097422.D
 Acq: 6 Aug 2017 6:07

Tgt Ion: 70 Resp: 21522
 Ion Ratio Lower Upper
 70 100
 42 71.6 47.2 70.8#
 101 0.0 7.2 10.8#
 130 2.6 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.70 min Scan# 1006

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

Tgt Ion:136 Resp: 283978

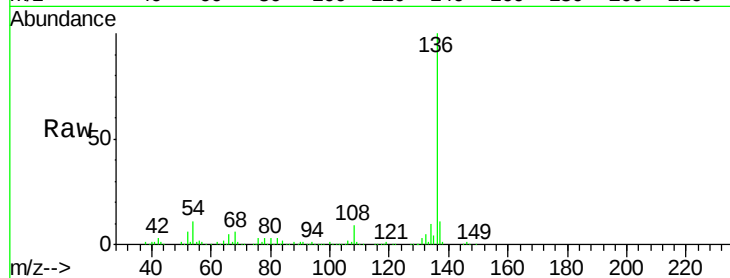
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.7 4.9 7.3#

68 5.6 4.1 6.1

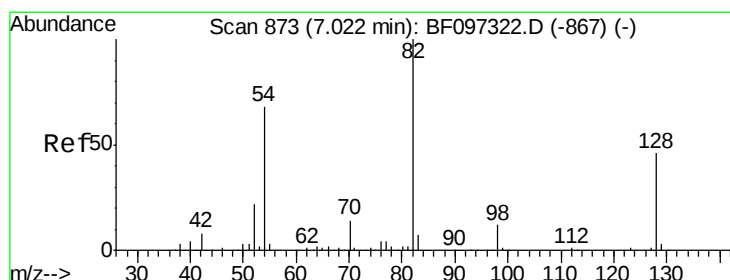
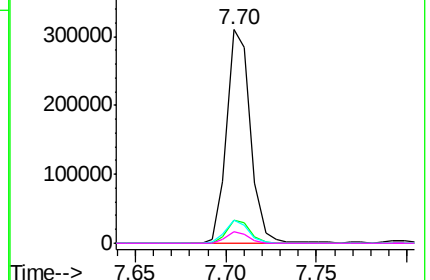
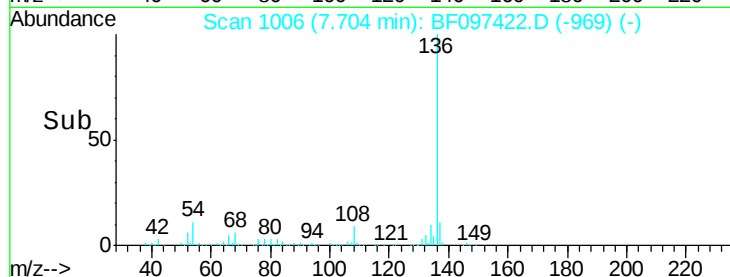


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.83 ng

RT: 6.99 min Scan# 885

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

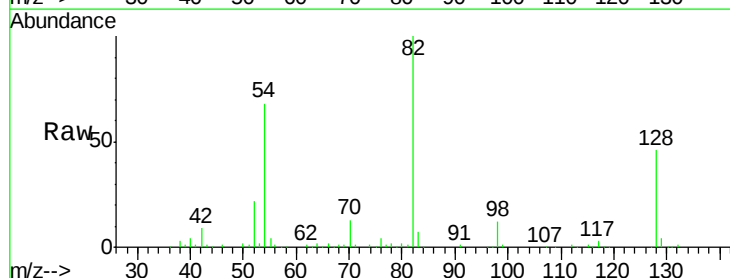
Tgt Ion: 82 Resp: 168589

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

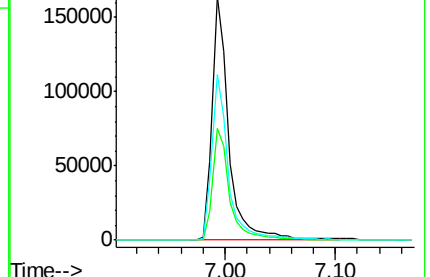
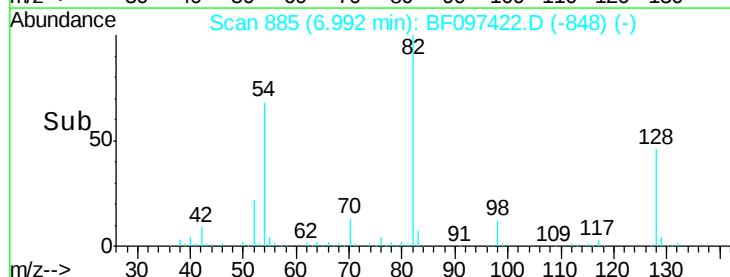
54 68.2 42.2 63.2#

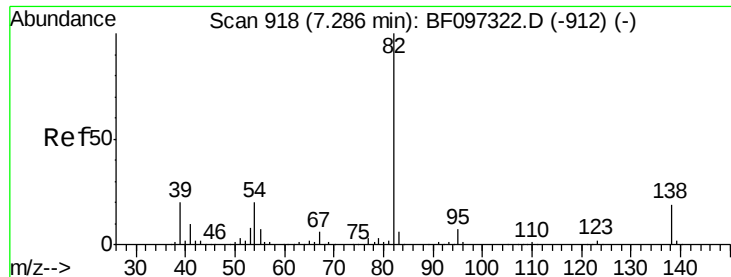


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 17.78 ng

RT: 6.99 min Scan# 885

Delta R.T. -0.35 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

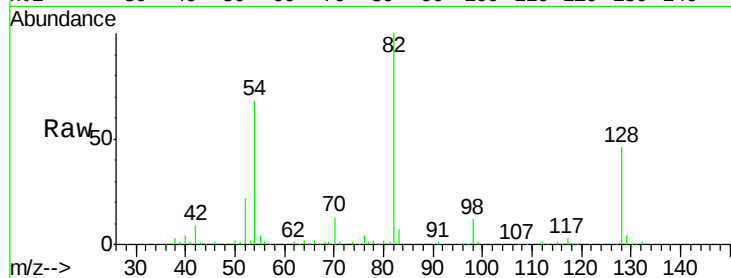
Tgt Ion: 82 Resp: 168587

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

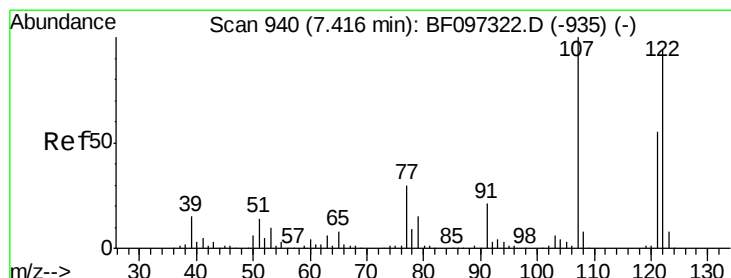
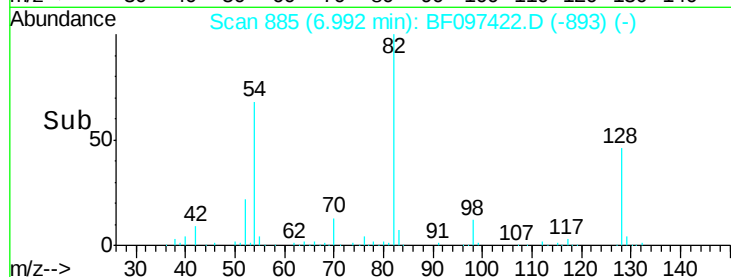
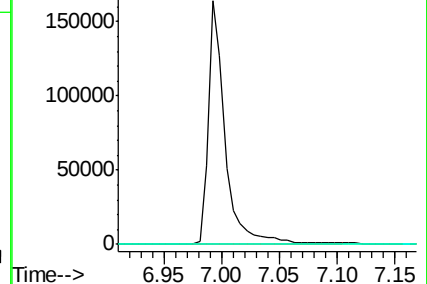
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 2.13 ng

RT: 7.42 min Scan# 958

Delta R.T. -0.05 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

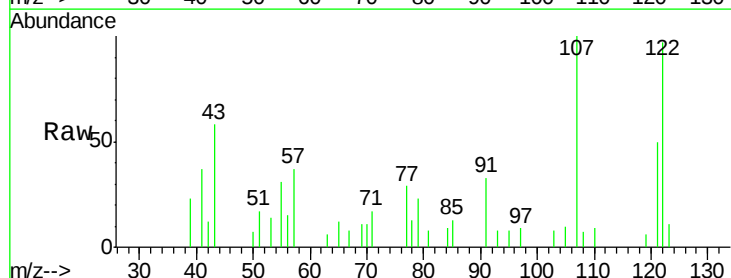
Tgt Ion: 122 Resp: 9572

Ion Ratio Lower Upper

122 100

107 103.5 89.2 133.8

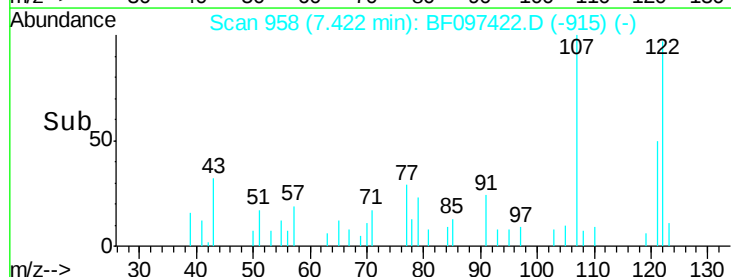
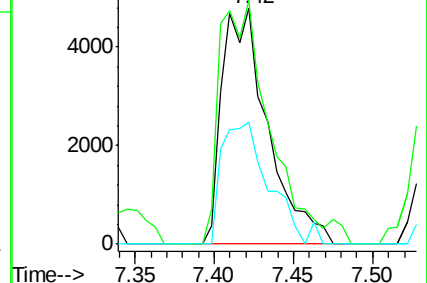
121 52.1 45.2 67.8

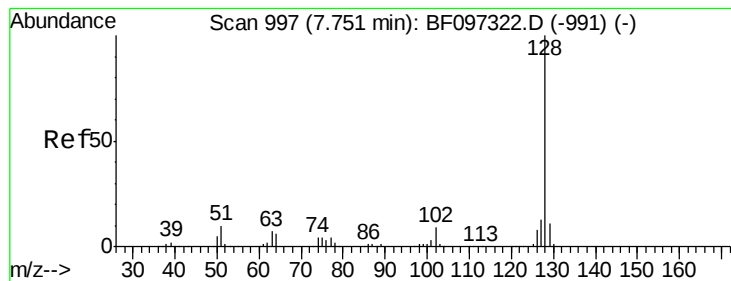


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 11.96 ng

RT: 7.73 min Scan# 1010

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

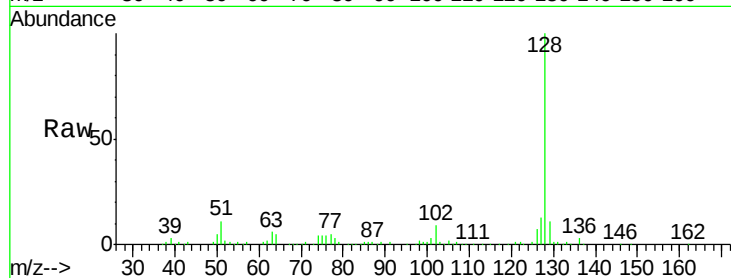
Tgt Ion:128 Resp: 160055

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

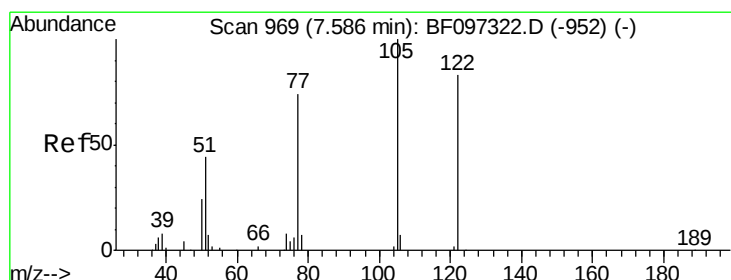
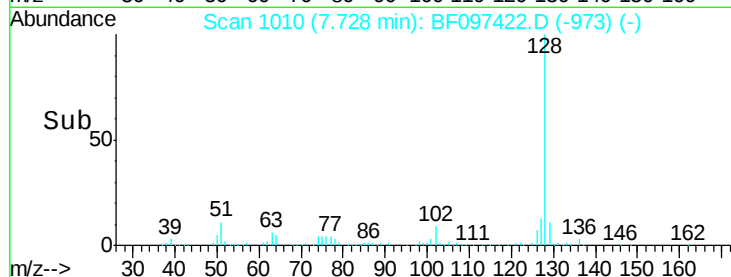
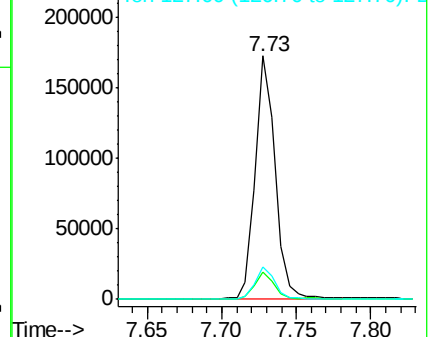
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.52 ng

RT: 7.54 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

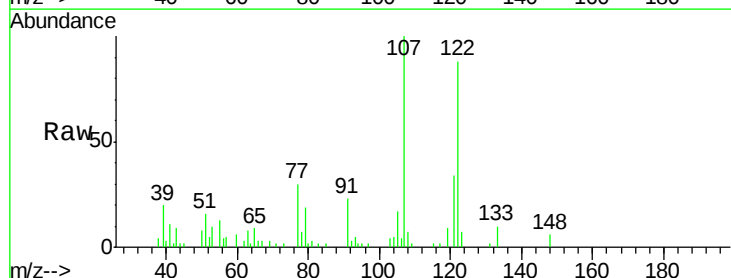
Tgt Ion:122 Resp: 21921

Ion Ratio Lower Upper

122 100

105 19.2 103.3 143.3#

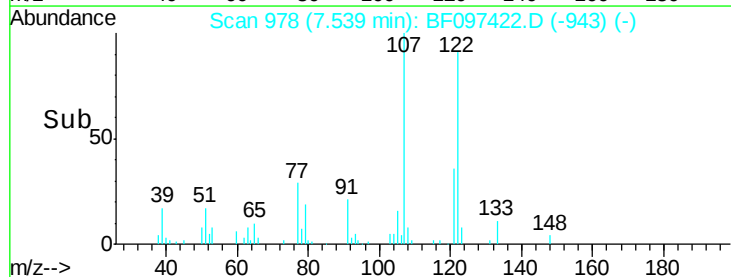
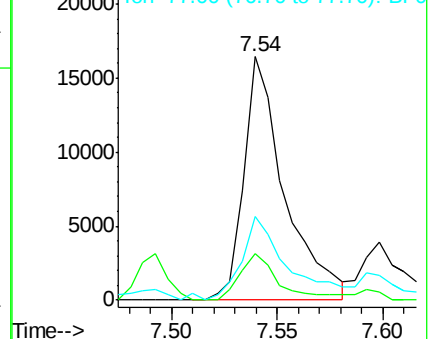
77 34.5 73.7 113.7#

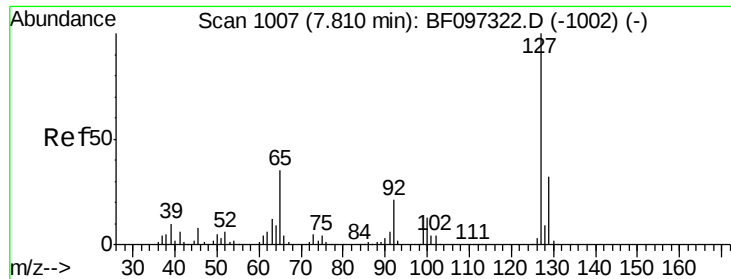


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

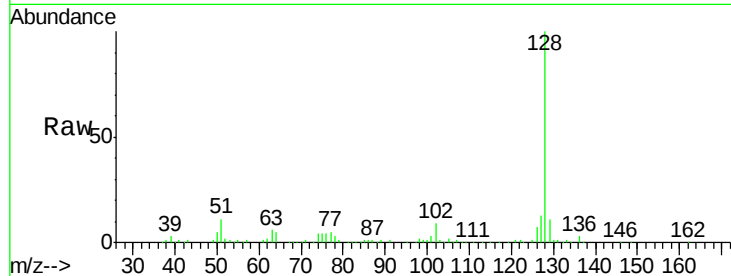




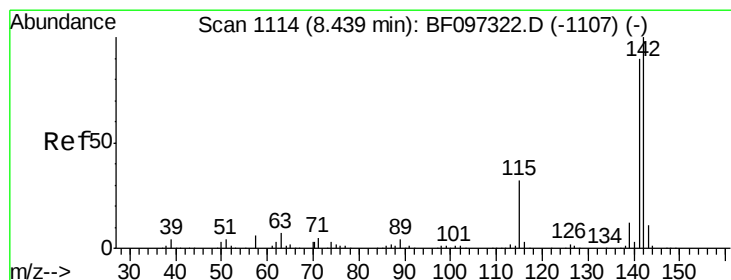
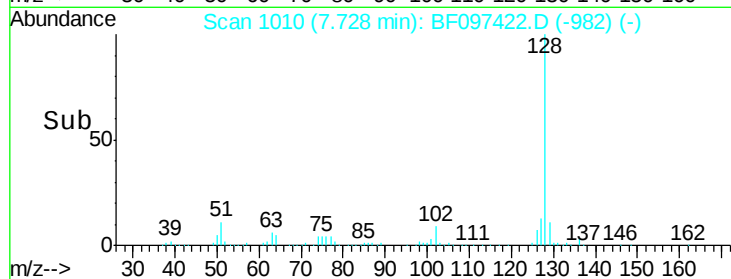
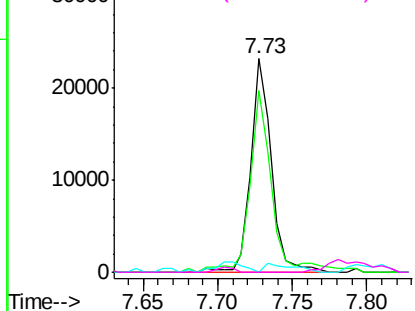
#33
4-Chloroaniline
Concen: 4.04 ng
RT: 7.73 min Scan# 1010
Delta R.T. -0.14 min
Lab File: BF097422.D
Acq: 6 Aug 2017 6:07

Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

Tgt Ion:	127	Resp:	22003
Ion	Ratio	Lower	Upper
127	100		
129	85.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

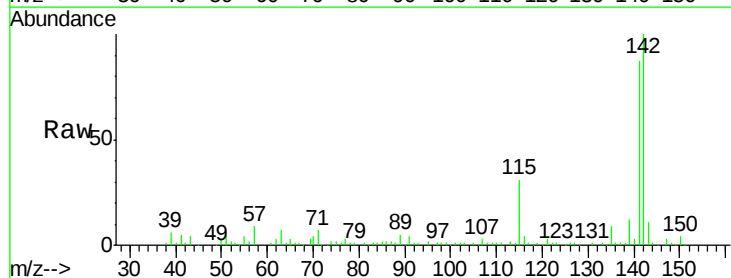


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

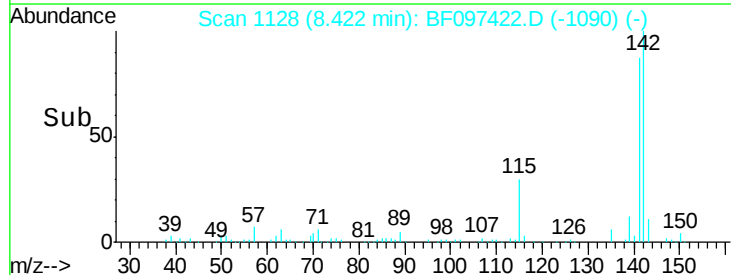
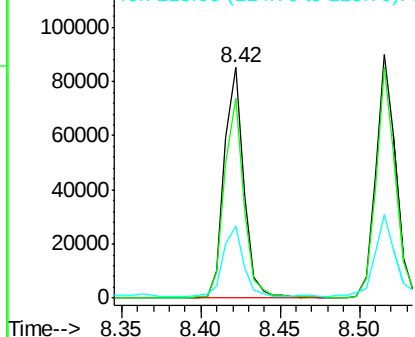


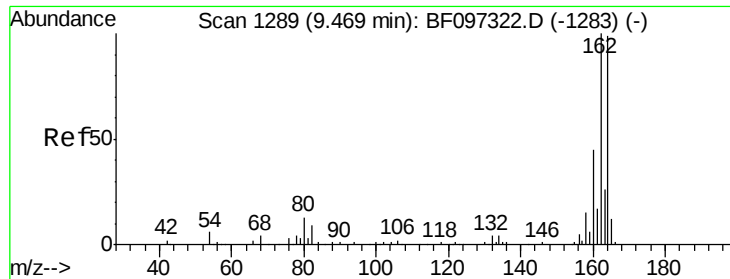
#37
2-Methylnaphthalene
Concen: 8.61 ng
RT: 8.42 min Scan# 1128
Delta R.T. -0.08 min
Lab File: BF097422.D
Acq: 6 Aug 2017 6:07

Tgt Ion:	142	Resp:	72990
Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.3	106.9
115	31.2	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

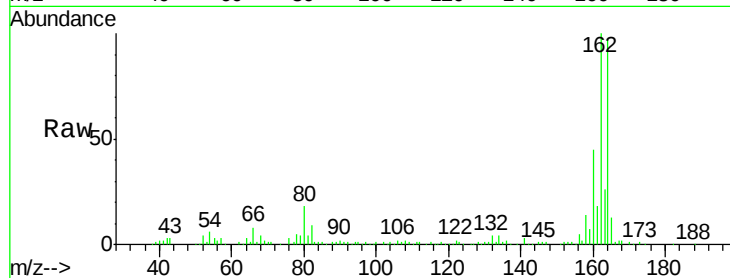




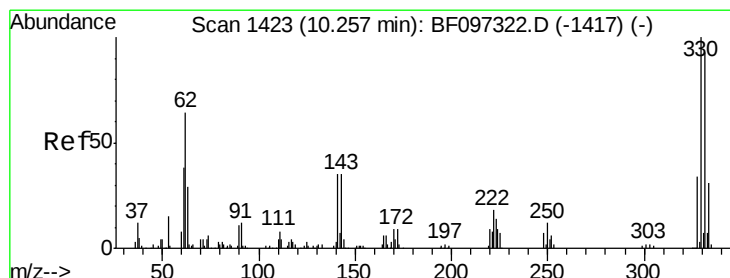
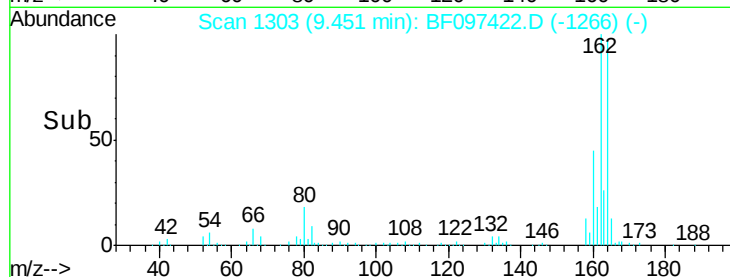
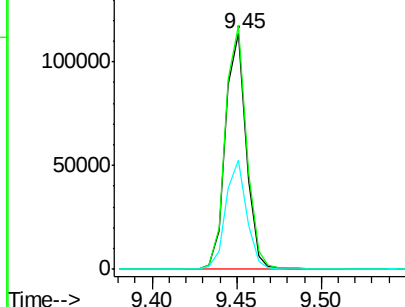
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097422.D
 Acq: 6 Aug 2017 6:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

Tgt Ion:164 Resp: 97847
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 46.4 36.2 54.2

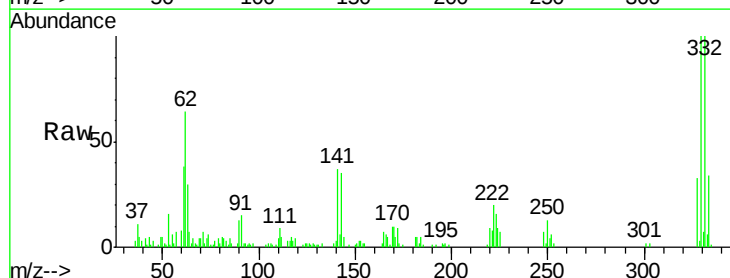


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

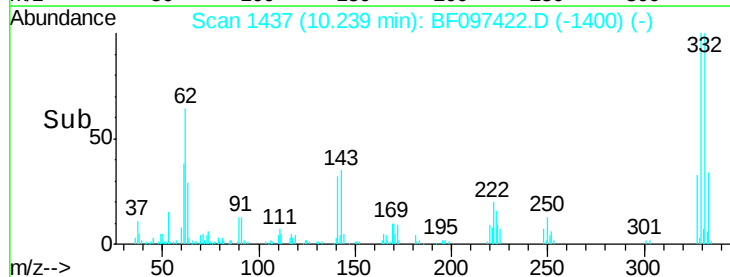
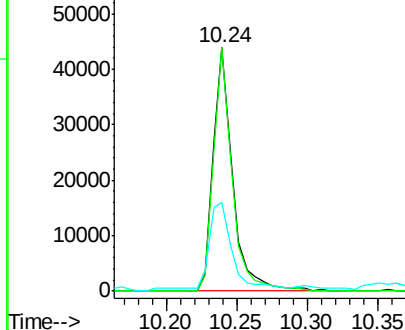


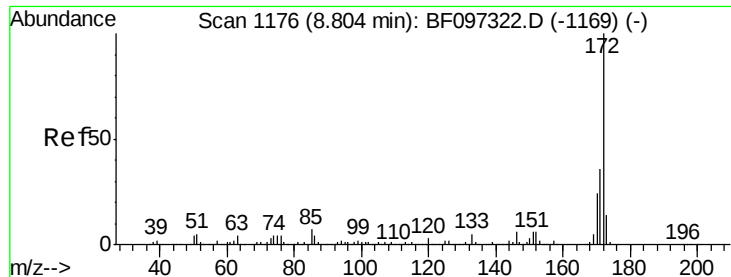
#41
 2,4,6-Tribromophenol
 Concen: 54.56 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097422.D
 Acq: 6 Aug 2017 6:07

Tgt Ion:330 Resp: 42178
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 46.2 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

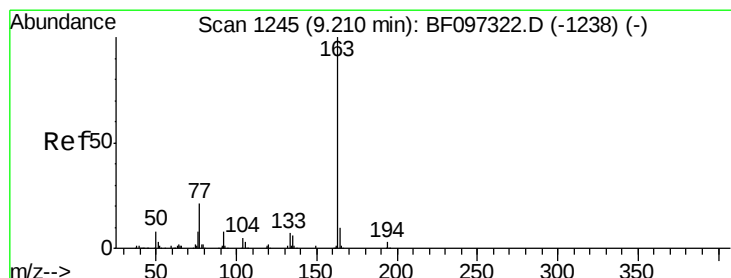
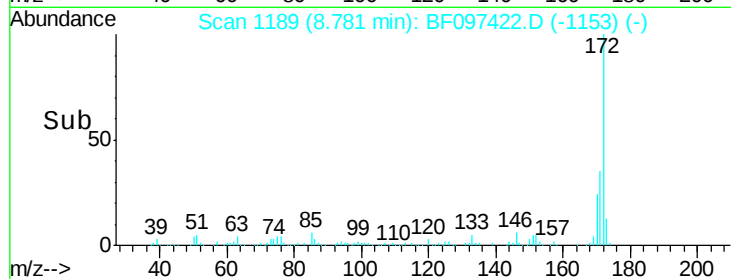
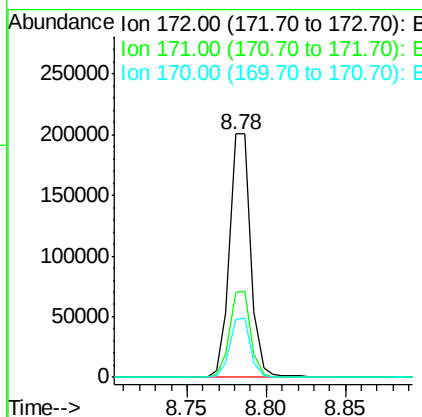
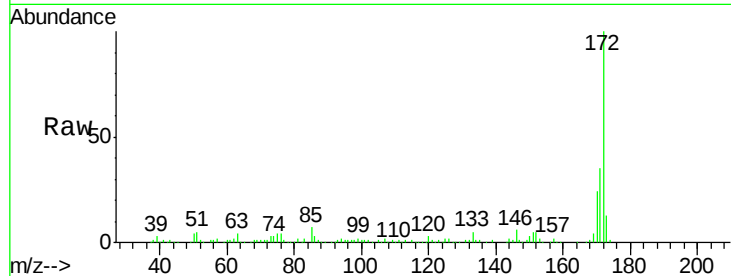




#44
 2-Fluorobiphenyl
 Concen: 32.46 ng
 RT: 8.78 min Scan# 1189
 Delta R.T. -0.09 min
 Lab File: BF097422.D
 Acq: 6 Aug 2017 6:07

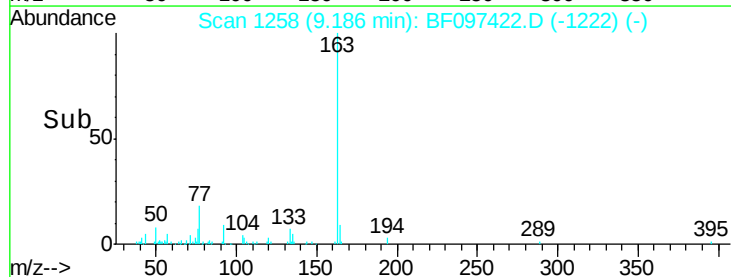
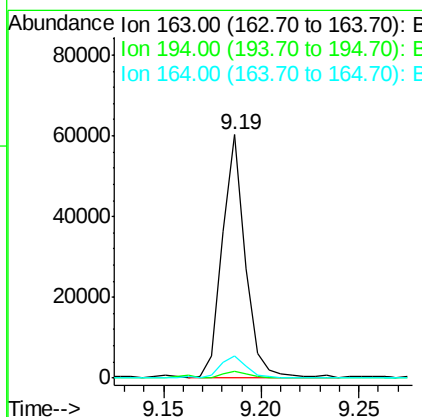
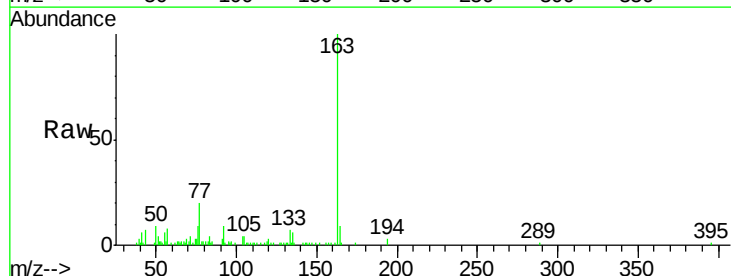
Instrument :
 BNA_F
 ClientSampleId :
 E2-O9-BASE

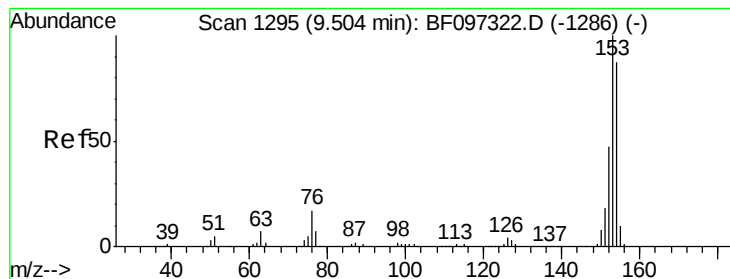
Tgt Ion:172 Resp: 187127
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 6.71 ng
 RT: 9.19 min Scan# 1258
 Delta R.T. -0.09 min
 Lab File: BF097422.D
 Acq: 6 Aug 2017 6:07

Tgt Ion:163 Resp: 49849
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.6 4.0
 164 8.9 8.4 12.6





#51

Acenaphthene

Concen: 2.46 ng

RT: 9.48 min Scan# 1308

Delta R.T. -0.09 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

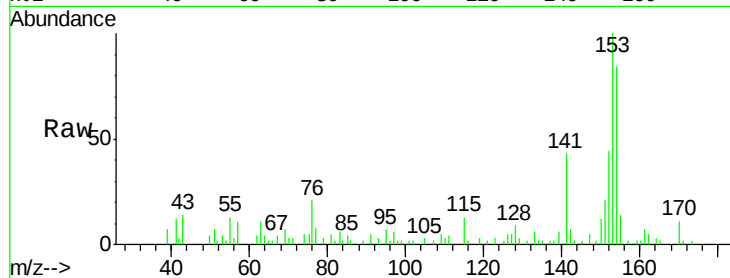
Tgt Ion:154 Resp: 13693

Ion Ratio Lower Upper

154 100

153 119.3 90.5 135.7

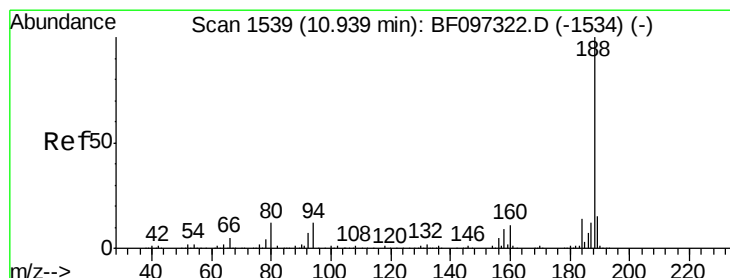
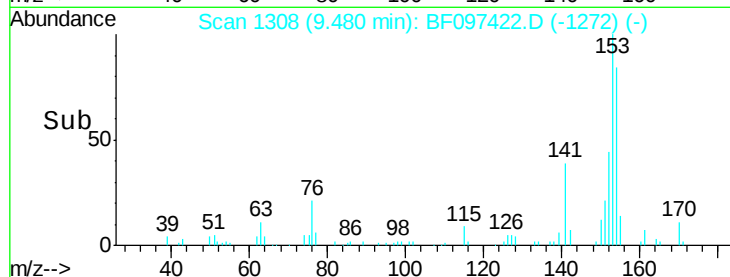
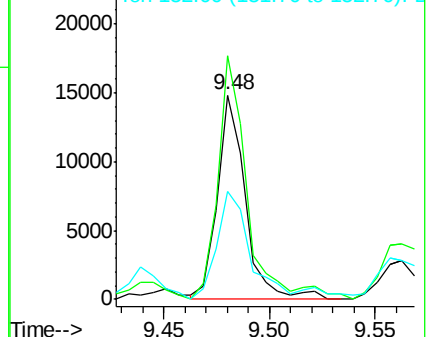
152 53.0 43.6 65.4



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: 20.00 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

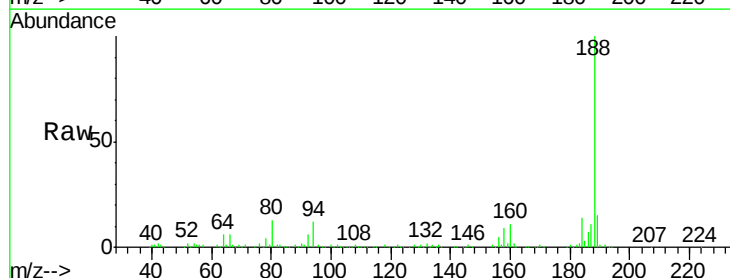
Tgt Ion:188 Resp: 174483

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

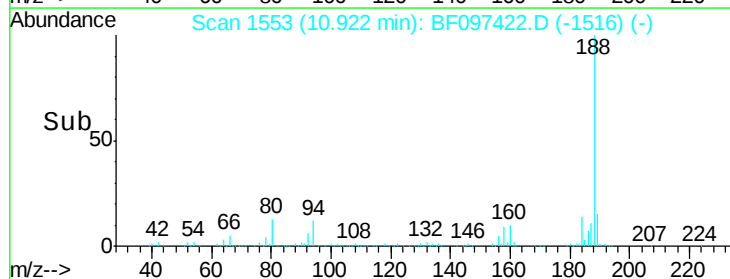
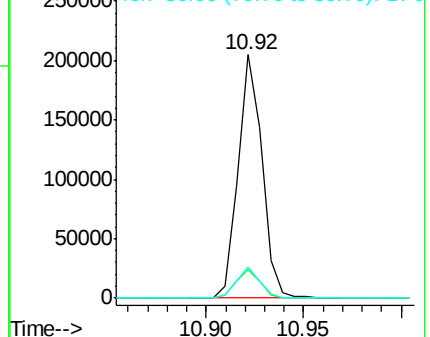
80 12.9 10.2 15.2

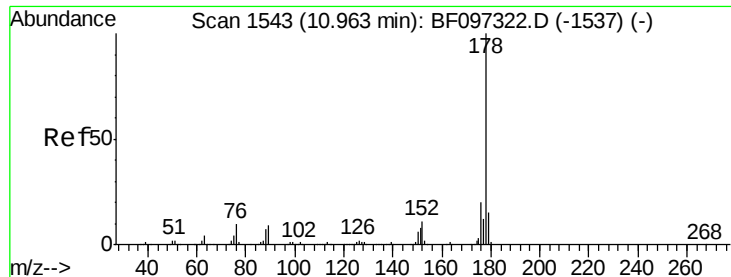


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

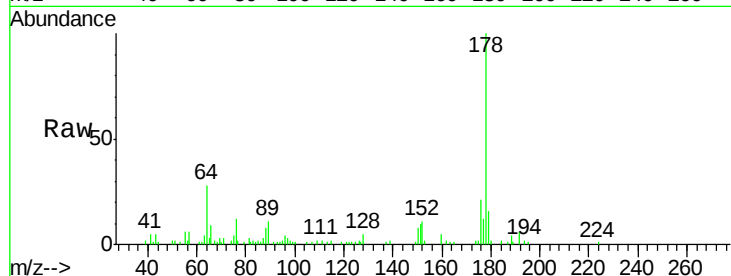




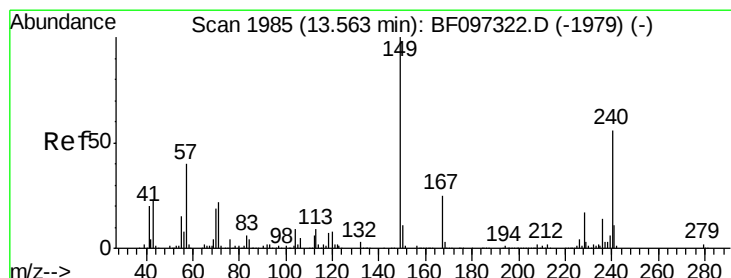
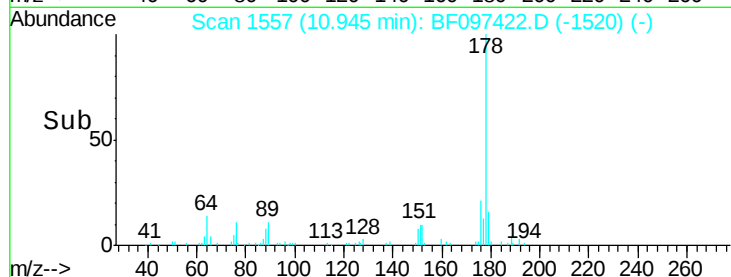
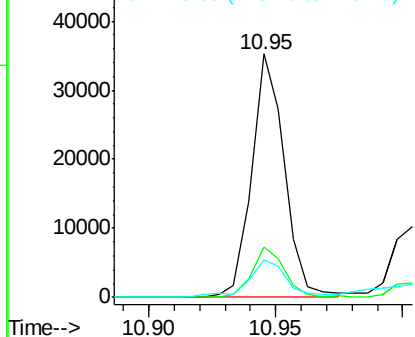
#70
Phenanthrene
Concen: 3.41 ng
RT: 10.95 min Scan# 1557
Delta R.T. -0.08 min
Lab File: BF097422.D
Acq: 6 Aug 2017 6:07

Instrument :
BNA_F
ClientSampleId :
E2-O9-BASE

Tgt Ion:178 Resp: 31833
Ion Ratio Lower Upper
178 100
176 20.9 16.2 24.4
179 15.6 12.6 19.0

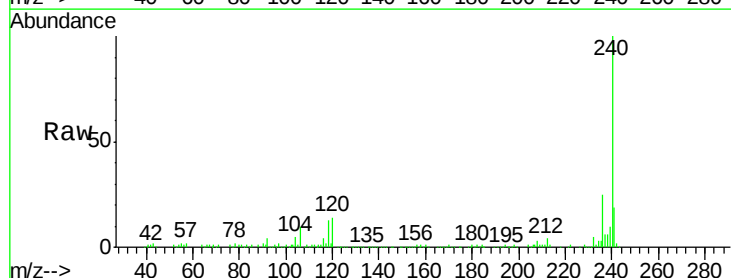


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

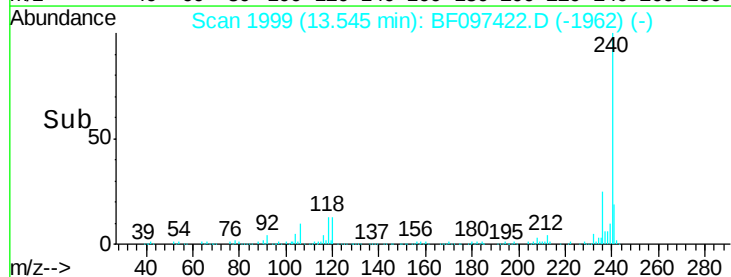
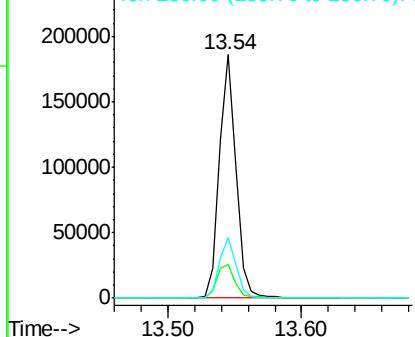


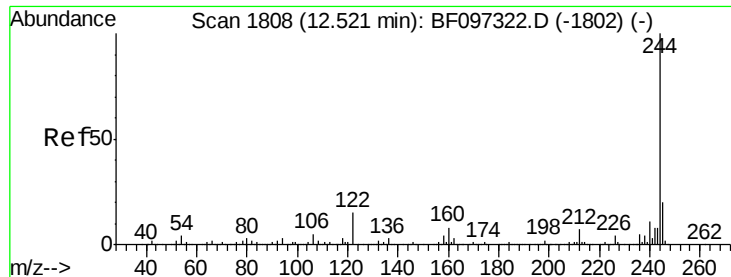
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.08 min
Lab File: BF097422.D
Acq: 6 Aug 2017 6:07

Tgt Ion:240 Resp: 164625
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 24.7 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: 16.79 ng

RT: 12.50 min Scan# 1822

Delta R.T. -0.08 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

Instrument :

BNA_F

ClientSampleId :

E2-O9-BASE

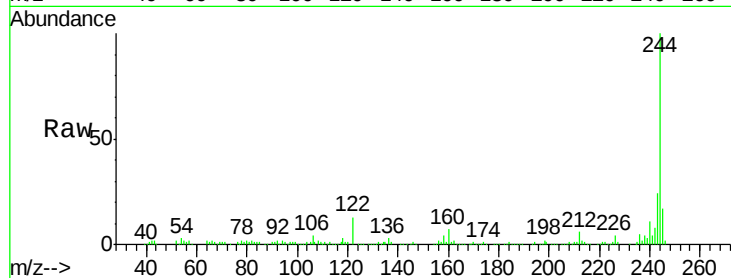
Tgt Ion:244 Resp: 135595

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

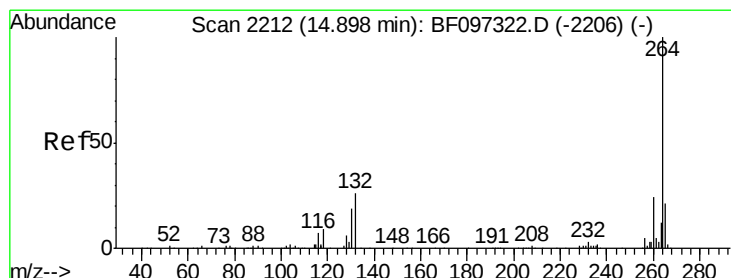
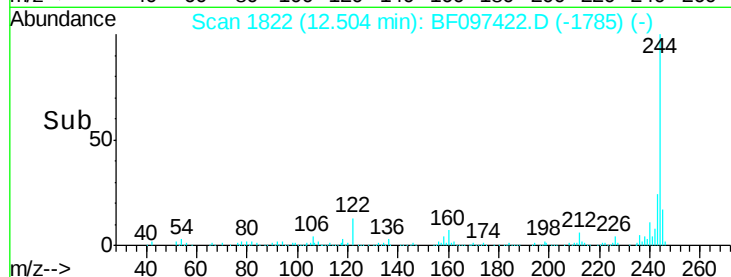
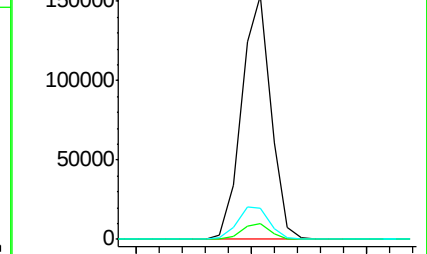
122 13.0 10.3 15.5



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: 20.00 ng

RT: 14.89 min Scan# 2227

Delta R.T. -0.09 min

Lab File: BF097422.D

Acq: 6 Aug 2017 6:07

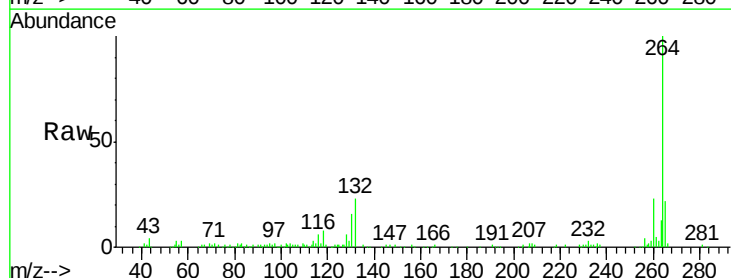
Tgt Ion:264 Resp: 100081

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.9 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

