

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097537.D
 Acq On : 10 Aug 2017 1:15
 Operator : SJ/JU
 Sample : I4677-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

Quant Time: Aug 10 04:41:17 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	6.39	152	97629	20.00	ng	-0.02
21) Naphthalene-d8	7.68	136	392395	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	166048	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	251638	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	159348	20.00	ng	-0.02
86) Perylene-d12	14.86	264	163433	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	618920	95.57	ng	-0.02
7) Phenol-d6	6.07	99	739305	99.99	ng	-0.02
23) Nitrobenzene-d5	6.97	82	495433	74.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	128985	98.32	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	749267	76.58	ng	-0.02
78) Terphenyl-d14	12.48	244	395440	50.60	ng	-0.02

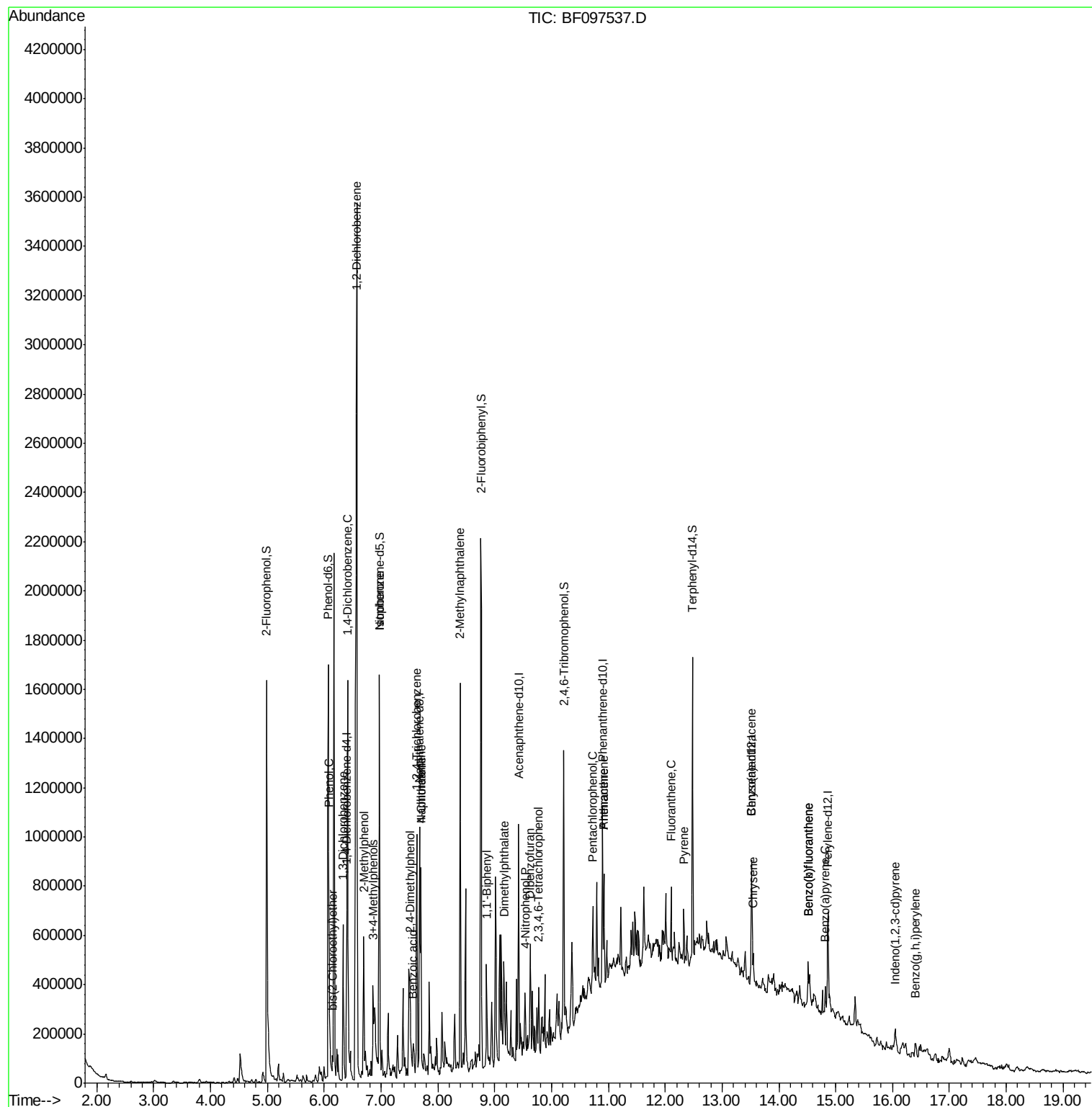
Target Compounds				Qvalue		
10) Phenol	6.09	94	72884	8.31	ng	97
11) bis(2-Chloroethyl)ether	6.15	93	20721	2.99	ng	# 83
12) 1,3-Dichlorobenzene	6.33	146	145237	19.46	ng	98
13) 1,4-Dichlorobenzene	6.41	146	421442	56.98	ng	# 94
14) 1,2-Dichlorobenzene	6.57	146	976697	151.25	ng	98
17) 2-Methylphenol	6.69	107	110273	20.63	ng	99
20) 3+4-Methylphenols	6.86	107	134050	19.20	ng	# 62
25) Isophorone	6.97	82	495433	37.82	ng	# 67
27) 2,4-Dimethylphenol	7.51	122	136754	22.00	ng	87
30) 1,2,4-Trichlorobenzene	7.63	180	159578	31.26	ng	98
31) Naphthalene	7.70	128	334614	18.09	ng	99
32) Benzoic acid	7.57	122	21547	4.64	ng	# 21
33) 4-Chloroaniline	7.70	127	44253	5.88	ng	# 32
37) 2-Methylnaphthalene	8.39	142	426687	36.43	ng	99
45) 1,1'-Biphenyl	8.86	154	49260	3.47	ng	97
49) Dimethylphthalate	9.16	163	128232	10.17	ng	99
54) Dibenzofuran	9.63	168	88940	7.08	ng	# 91
55) 4-Nitrophenol	9.53	139	7292	3.69	ng	79
58) 2,3,4,6-Tetrachlorophenol	9.77	232	12292	5.54	ng	# 90
69) Pentachlorophenol	10.73	266	48667	41.77	ng	96
70) Phenanthrene	10.92	178	159627	11.84	ng	98
71) Anthracene	10.92	178	159627	11.56	ng	99
74) Fluoranthene	12.10	202	109010	8.25	ng	97
77) Pyrene	12.33	202	94254	7.23	ng	97
80) Benzo(a)anthracene	13.52	228	48195	4.67	ng	# 93
82) Chrysene	13.55	228	55358	5.50	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.05	276	40717	4.72	ng	# 93
87) Benzo(b)fluoranthene	14.52	252	111837	11.38	ng	# 94
88) Benzo(k)fluoranthene	14.52	252	111837	11.95	ng	97
89) Benzo(a)pyrene	14.82	252	52099	5.79	ng	96
91) Benzo(g,h,i)perylene	16.40	276	39484	5.11	ng	96

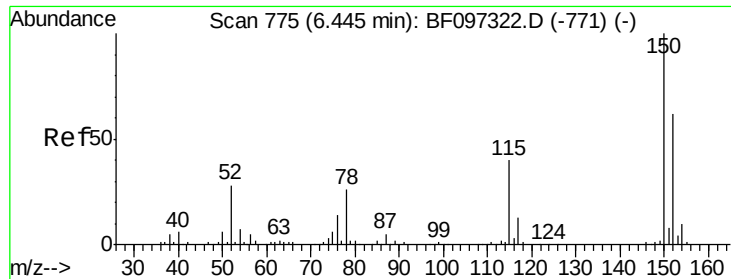
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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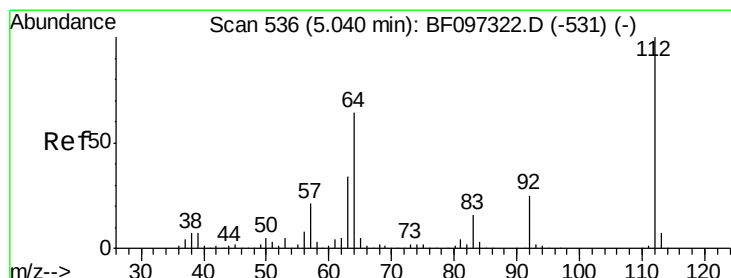
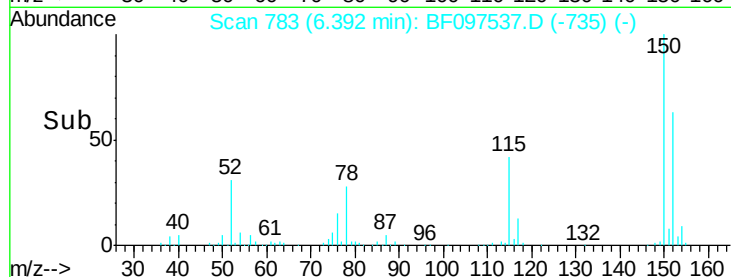
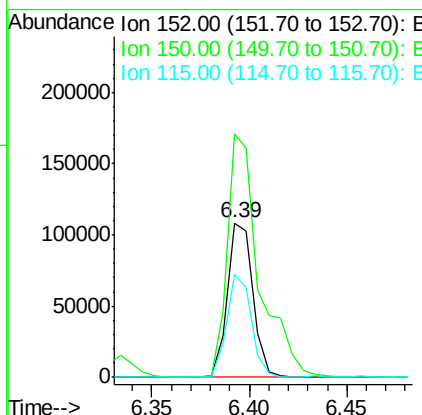
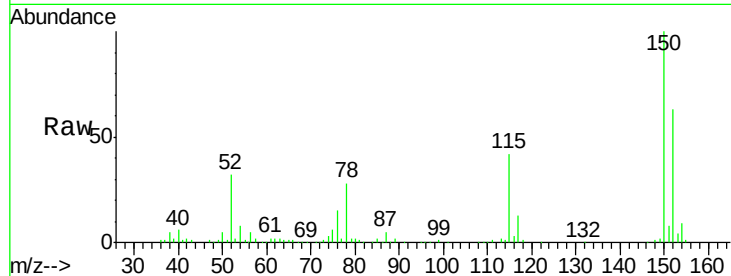


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Instrument :
BNA_F
ClientSampleId :
E2-E10-ESW

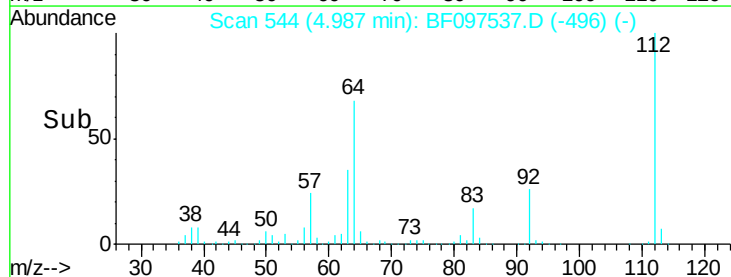
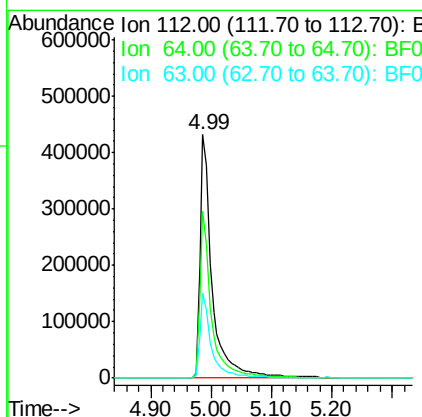
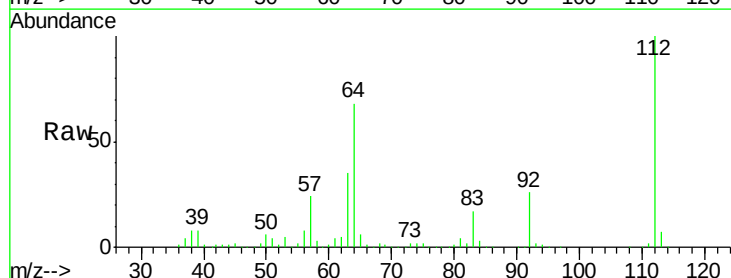
Tot Ion:152 Resp: 97629
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.2
115 66.8 52.2 78.2

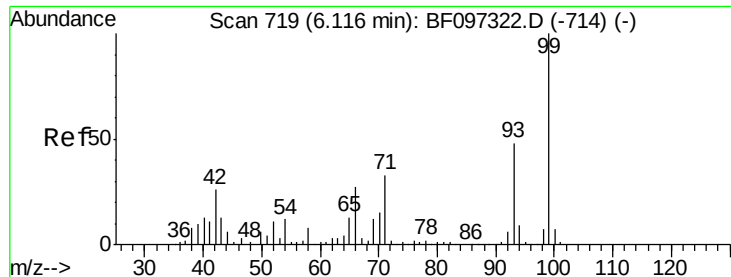


#5

2-Fluorophenol
Concen: 95.57 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Tgt Ion:112 Resp: 618920
Ion Ratio Lower Upper
112 100
64 68.4 46.0 69.0
63 35.1 23.4 35.0#





#7

Phenol-d6

Concen: 99.99 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

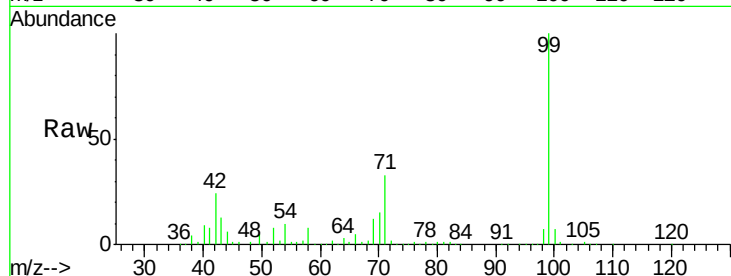
Tot Ion: 99 Resp: 739305

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

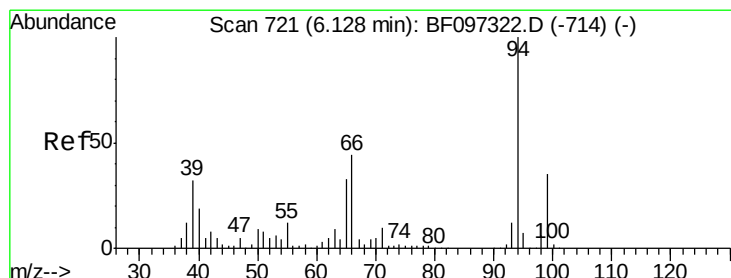
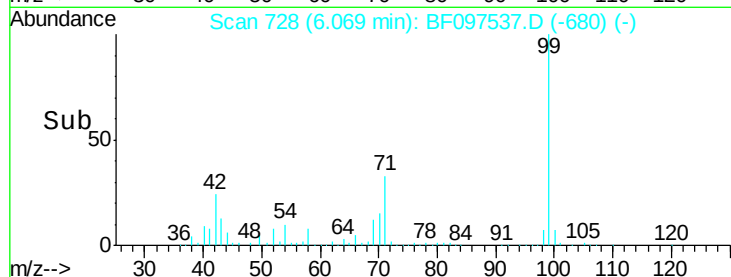
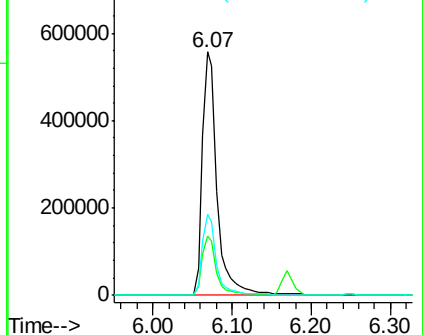
71 33.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.31 ng

RT: 6.09 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

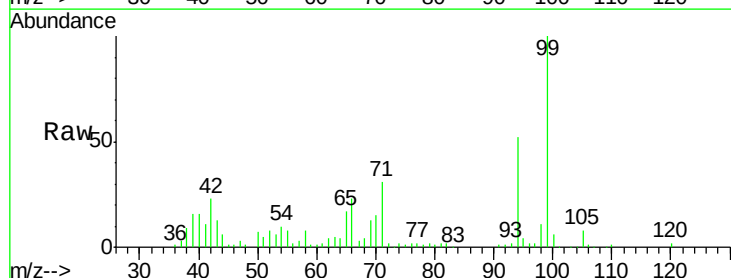
Tgt Ion: 94 Resp: 72884

Ion Ratio Lower Upper

94 100

65 32.0 9.9 49.9

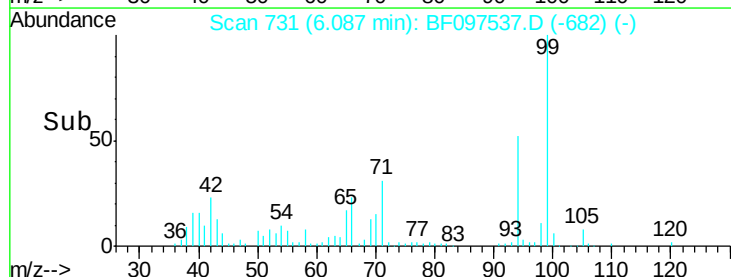
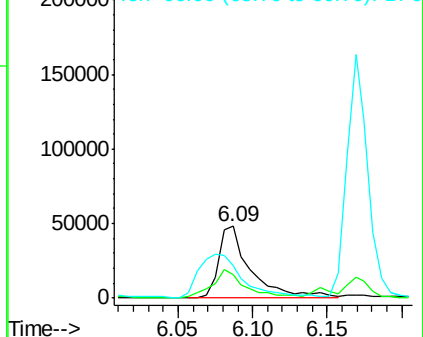
66 44.4 23.1 63.1

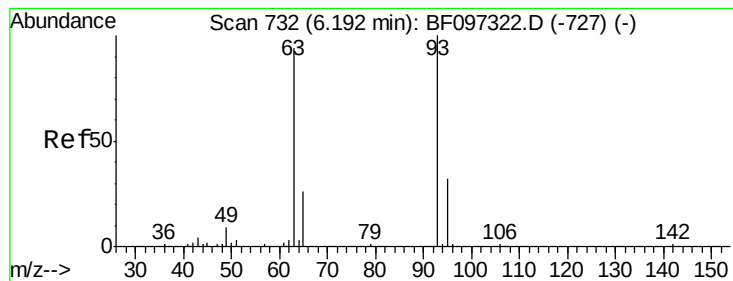


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 2.99 ng

RT: 6.15 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

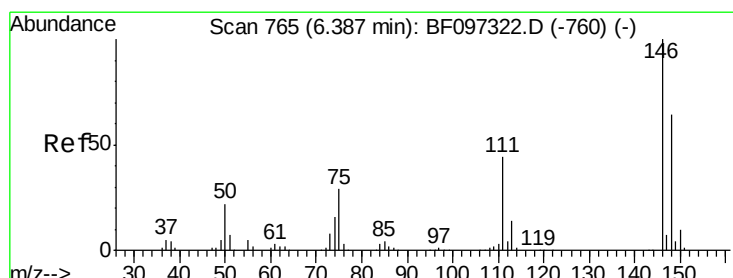
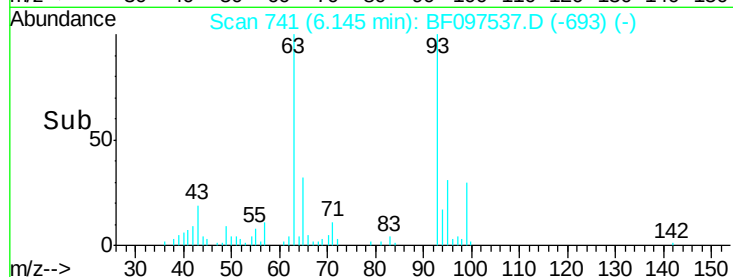
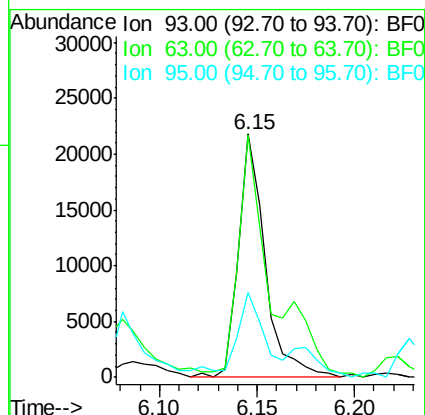
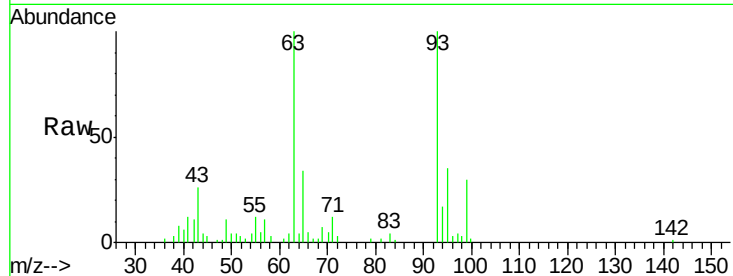
Tot Ion: 93 Resp: 20721

Ion Ratio Lower Upper

93 100

63 99.6 59.2 99.2#

95 34.8 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 19.46 ng

RT: 6.33 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

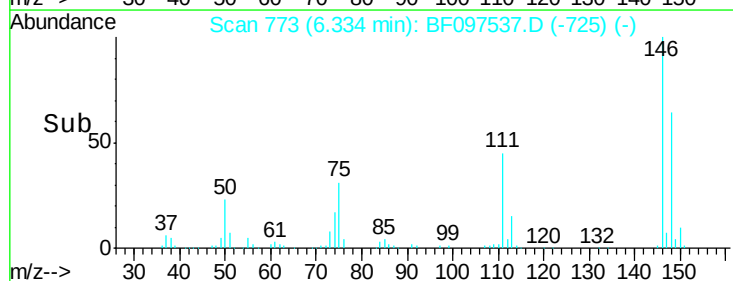
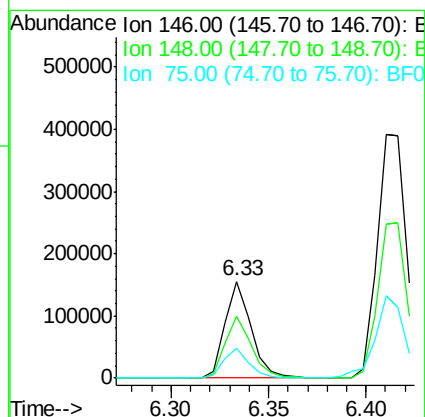
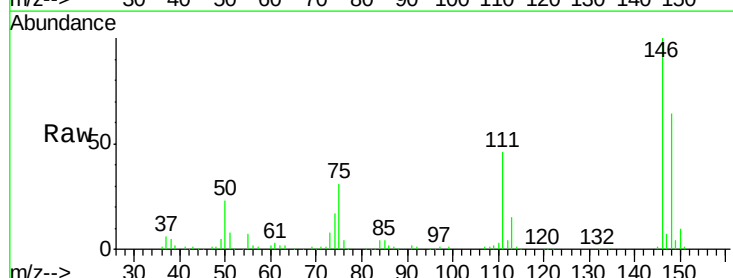
Tgt Ion: 146 Resp: 145237

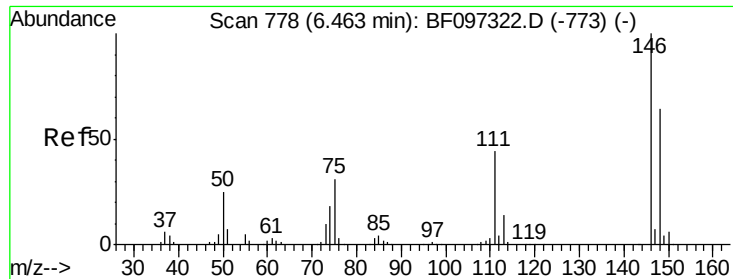
Ion Ratio Lower Upper

146 100

148 64.3 51.8 77.6

75 31.3 23.1 34.7

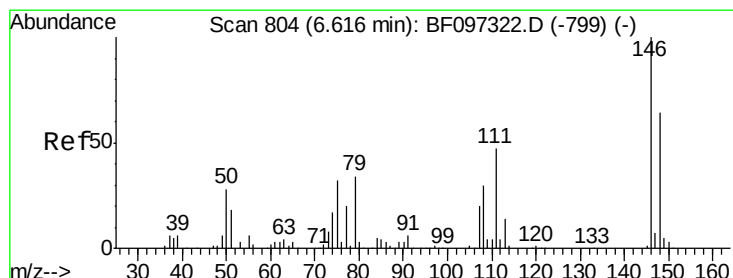
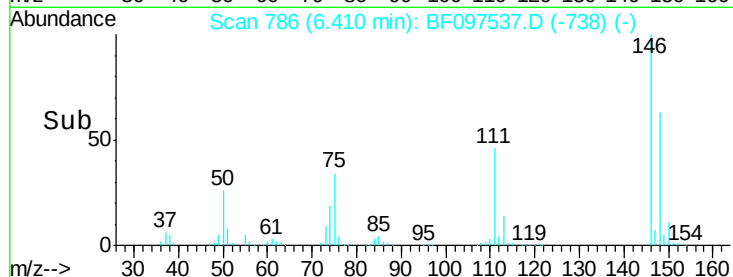
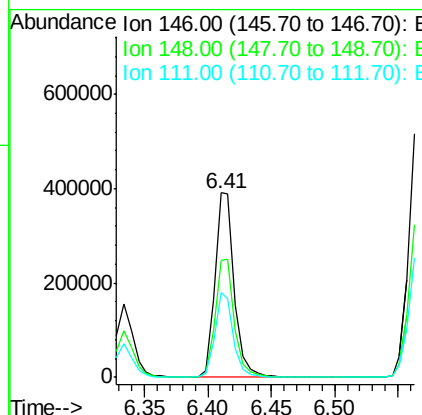
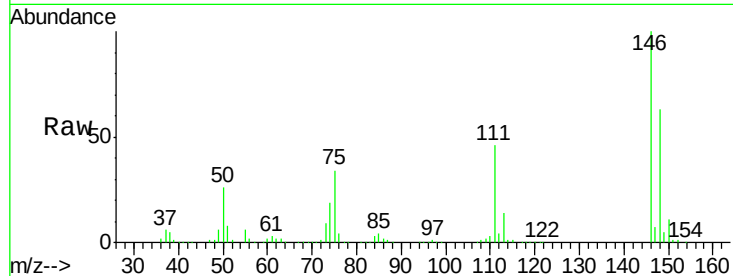




#13
 1,4-Dichlorobenzene
 Concen: 56.98 ng
 RT: 6.41 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

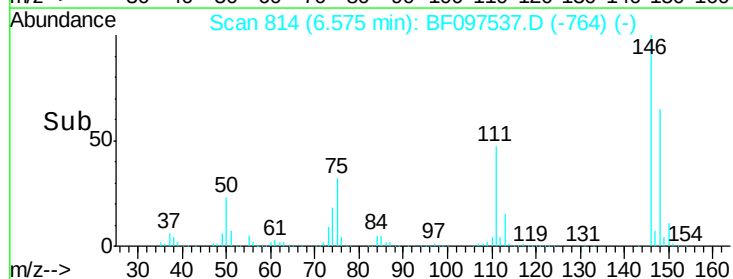
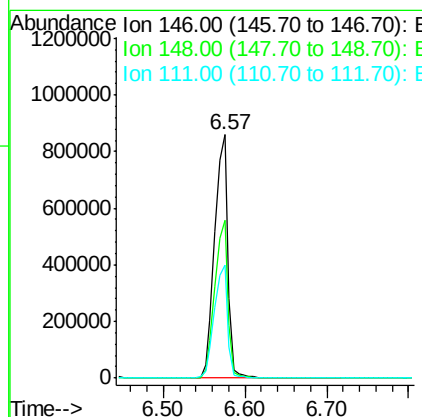
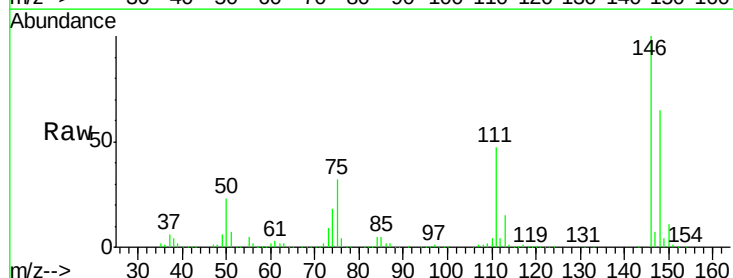
Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

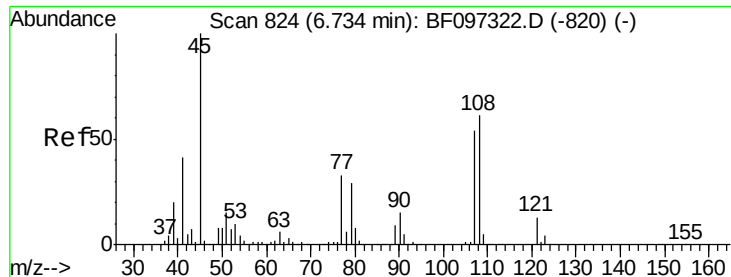
Tot Ion:146 Resp: 421442
 Ion Ratio Lower Upper
 146 100
 148 63.4 52.2 78.2
 111 45.8 30.3 45.5#



#14
 1,2-Dichlorobenzene
 Concen: 151.25 ng
 RT: 6.57 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Tgt Ion:146 Resp: 976697
 Ion Ratio Lower Upper
 146 100
 148 64.6 50.4 75.6
 111 46.6 38.2 57.4

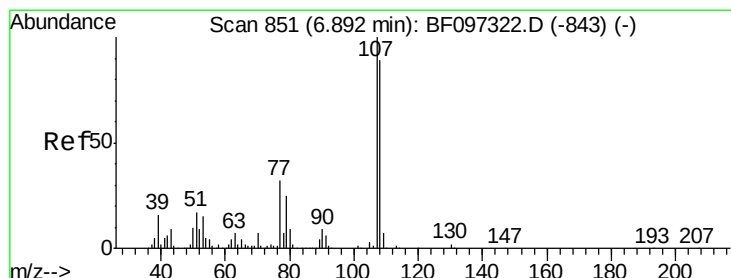
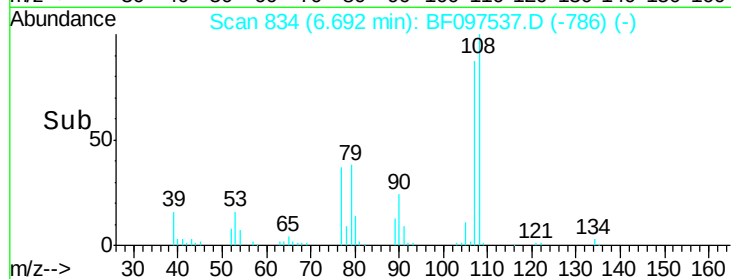
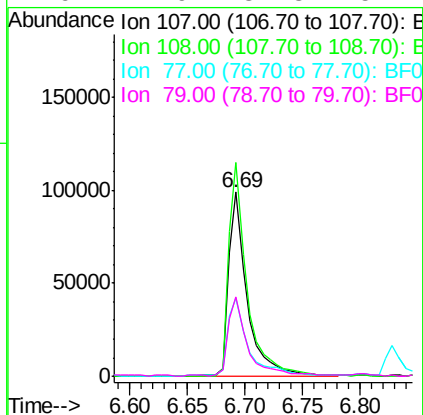
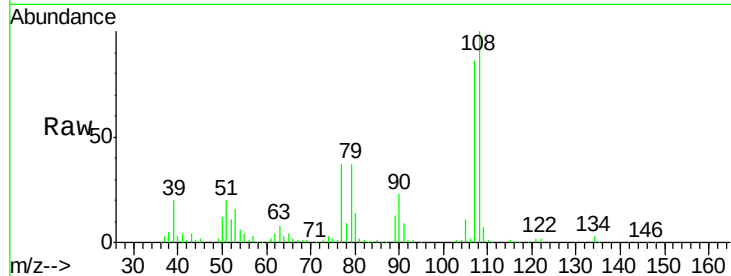




#17
2-Methylphenol
Concen: 20.63 ng
RT: 6.69 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

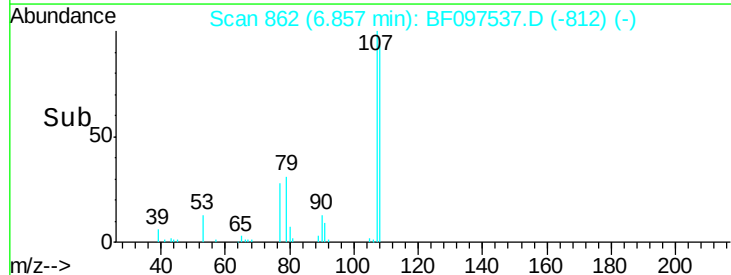
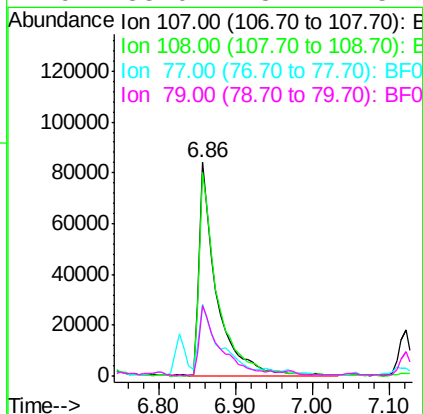
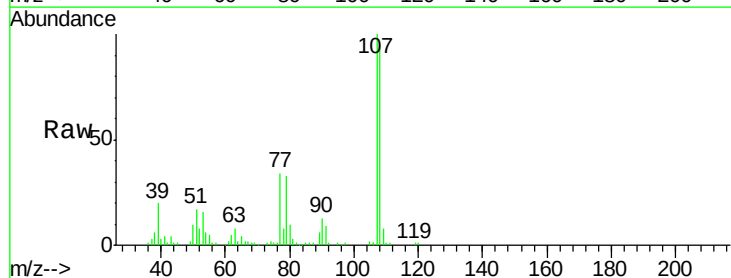
Instrument :
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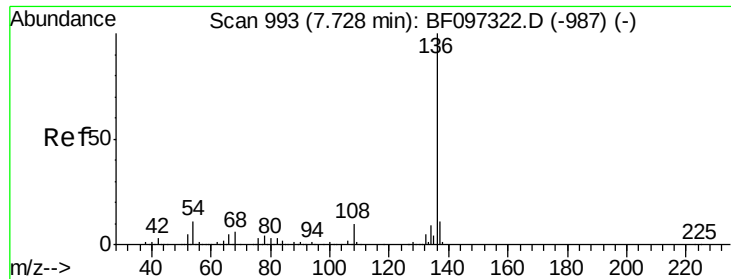
Tot Ion	Ratio	Lower	Upper
107	100		
108	116.0	93.4	140.0
77	42.7	35.8	53.6
79	42.9	34.8	52.2



#20
3+4-Methylphenols
Concen: 19.20 ng
RT: 6.86 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.2	71.0	111.0
77	33.6	90.5	130.5#
79	33.0	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

Tot Ion:136 Resp: 392395

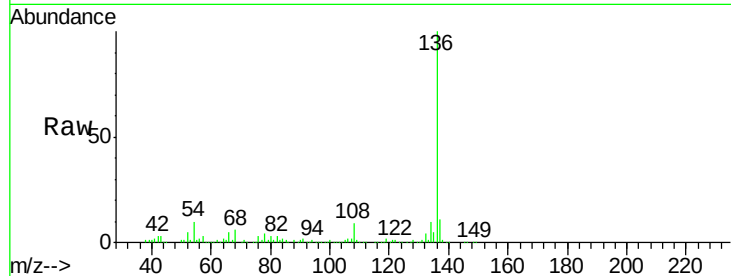
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.2 4.9 7.3#

68 5.7 4.1 6.1

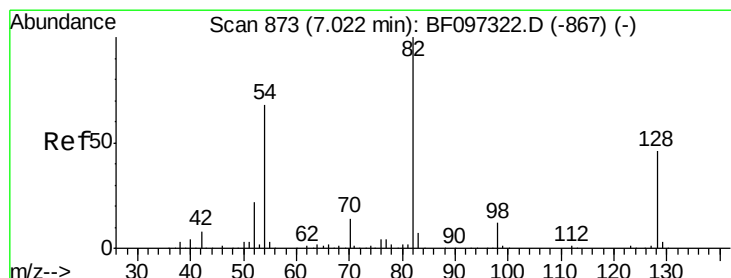
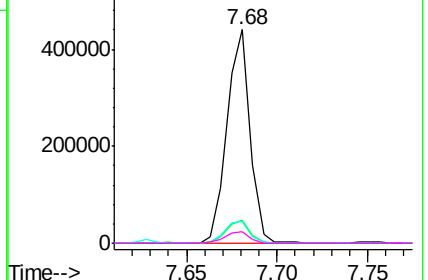
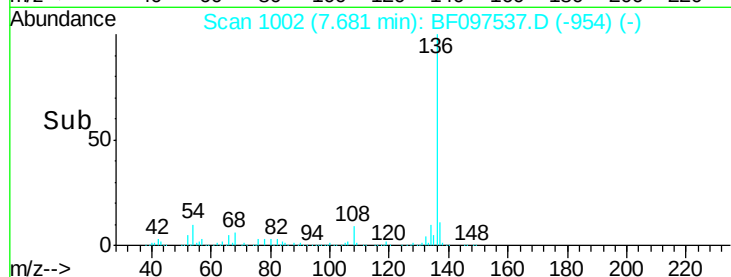


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.07 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

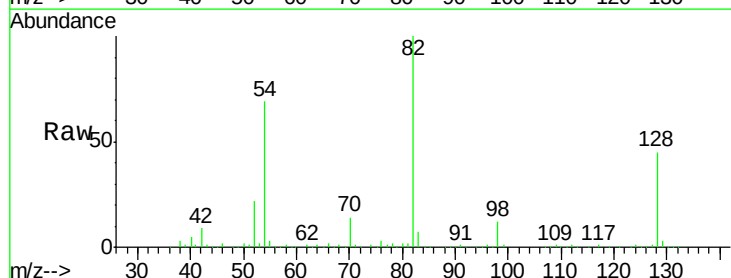
Tgt Ion: 82 Resp: 495433

Ion Ratio Lower Upper

82 100

128 45.3 34.0 51.0

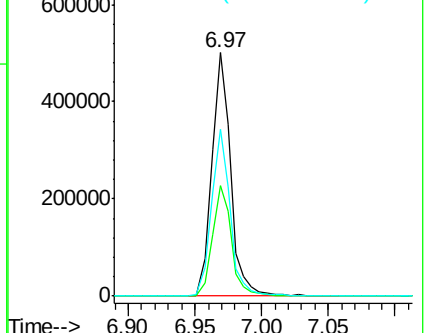
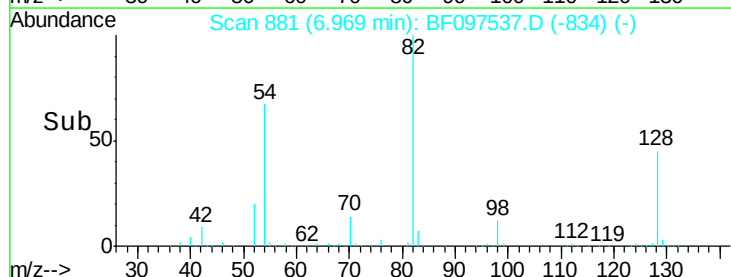
54 68.6 42.2 63.2#

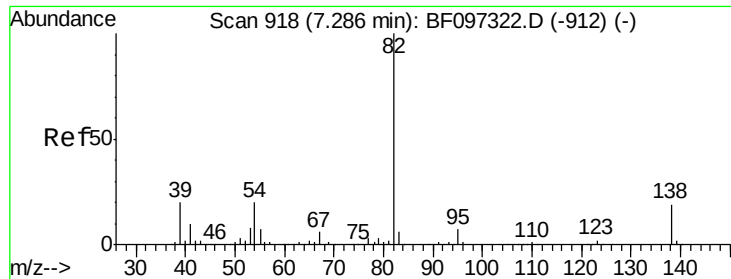


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.82 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

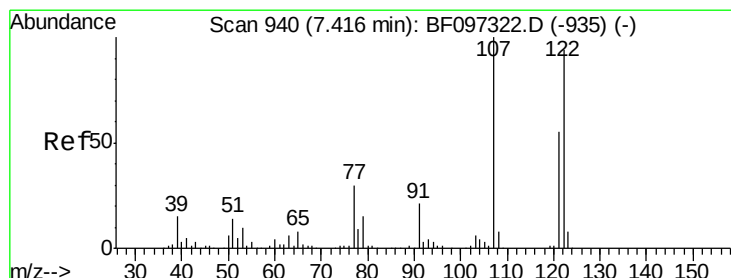
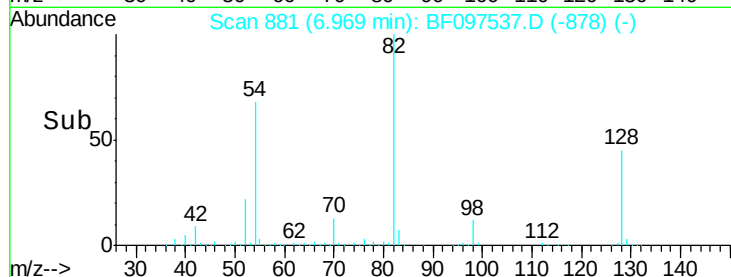
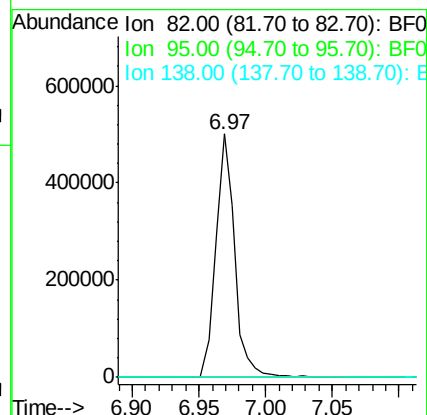
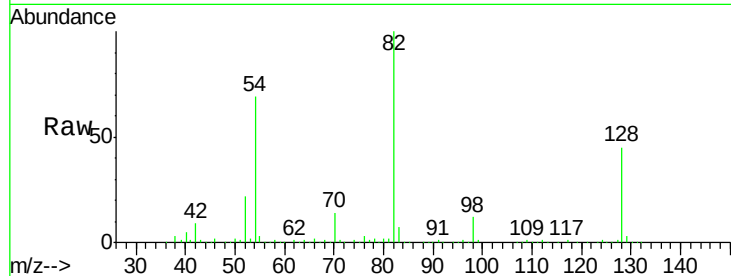
Tot Ion: 82 Resp: 495433

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 22.00 ng

RT: 7.51 min Scan# 973

Delta R.T. 0.12 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

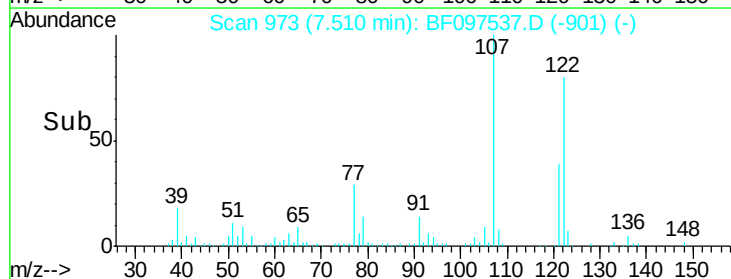
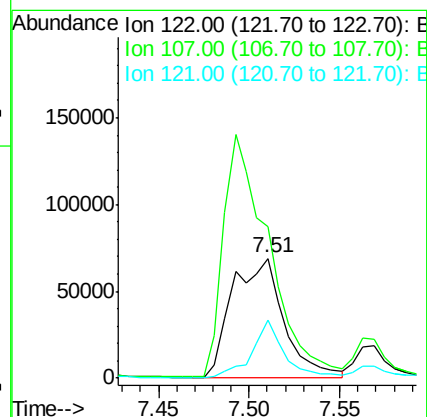
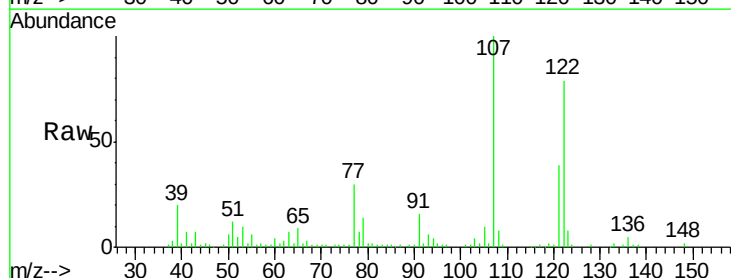
Tgt Ion: 122 Resp: 136754

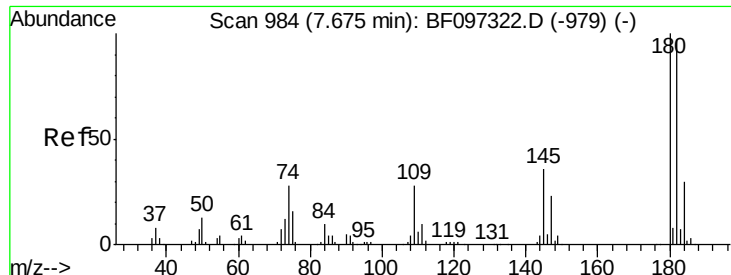
Ion Ratio Lower Upper

122 100

107 126.3 89.2 133.8

121 48.7 45.2 67.8

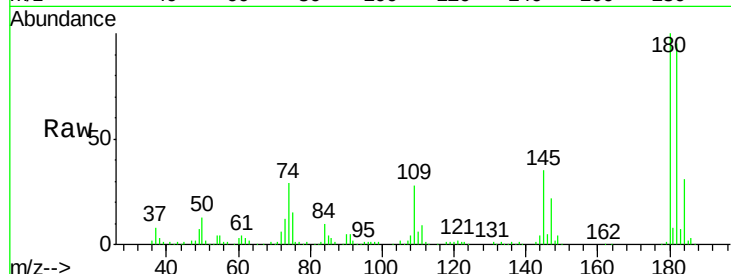




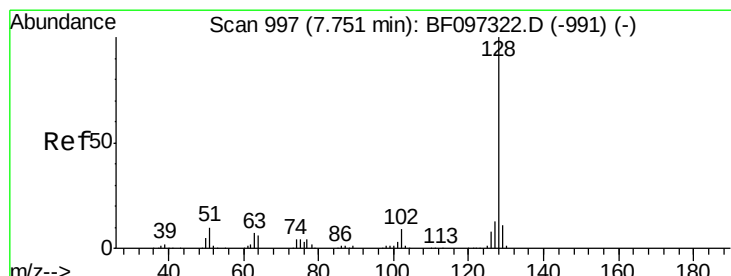
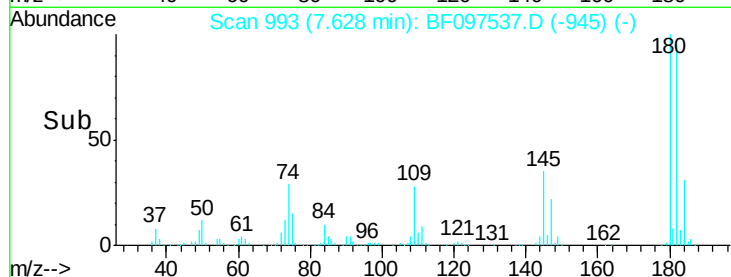
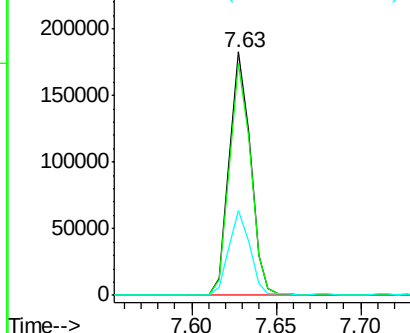
#30
 1,2,4-Trichlorobenzene
 Concen: 31.26 ng
 RT: 7.63 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.6
145	34.8	25.3	37.9

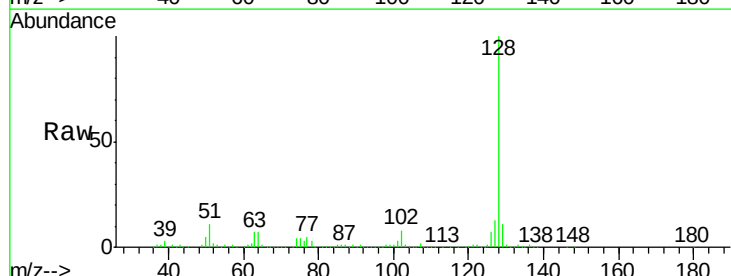


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

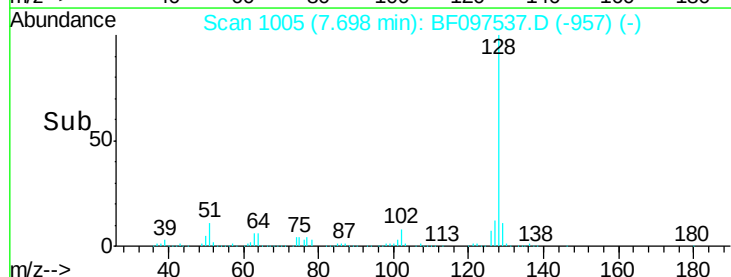
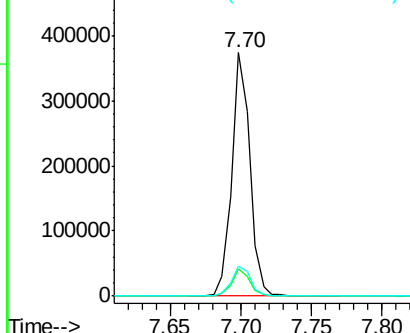


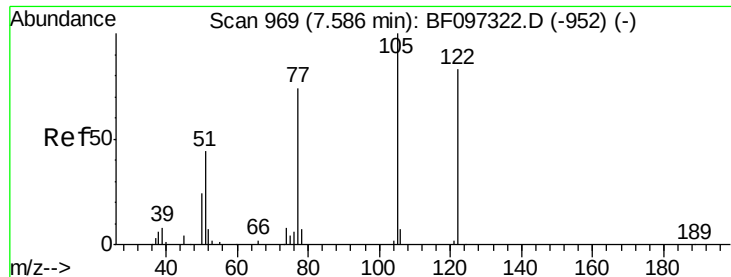
#31
 Naphthalene
 Concen: 18.09 ng
 RT: 7.70 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	12.5	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

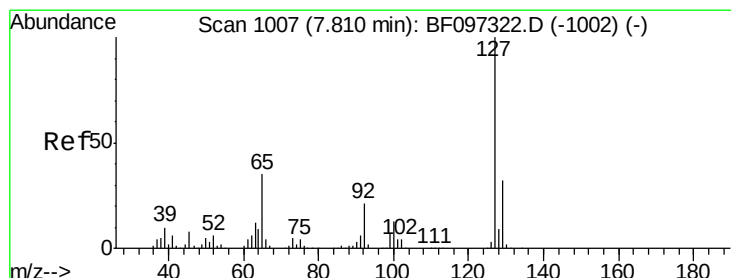
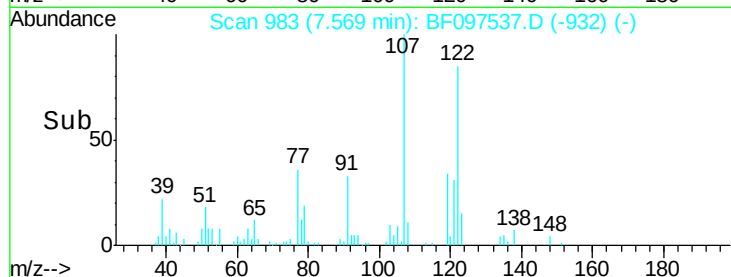
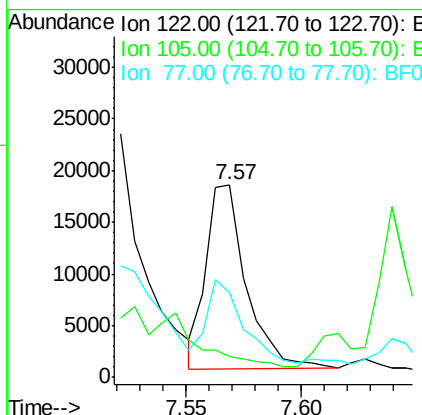
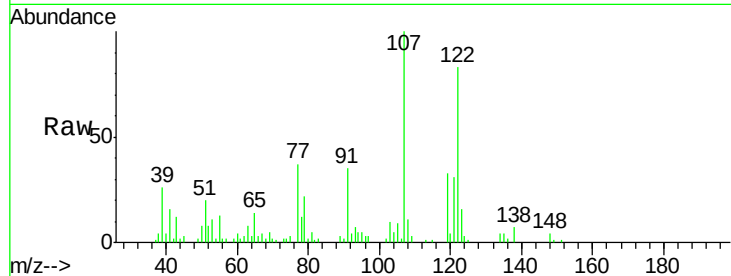




#32
Benzoic acid
Concen: 4.64 ng
RT: 7.57 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

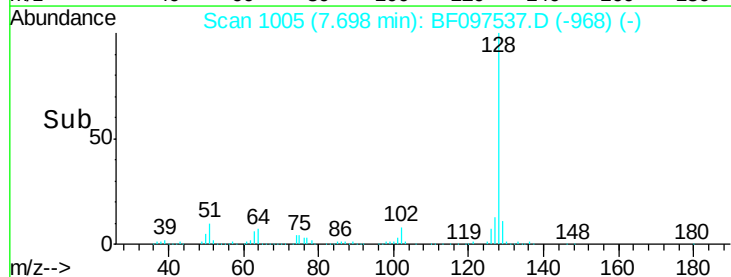
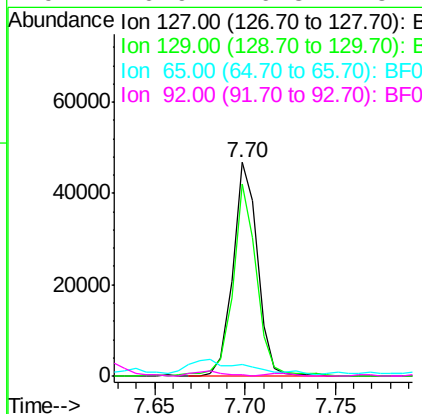
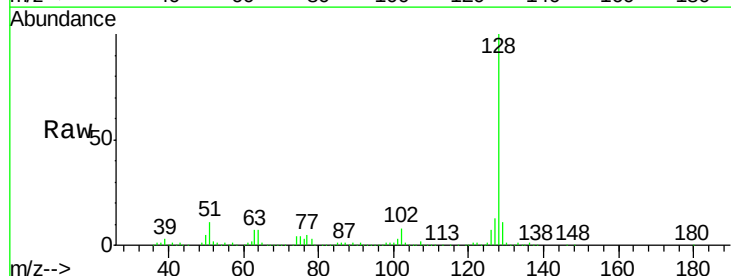
Instrument :
BNA_F
ClientSampleId :
E2-E10-ESW

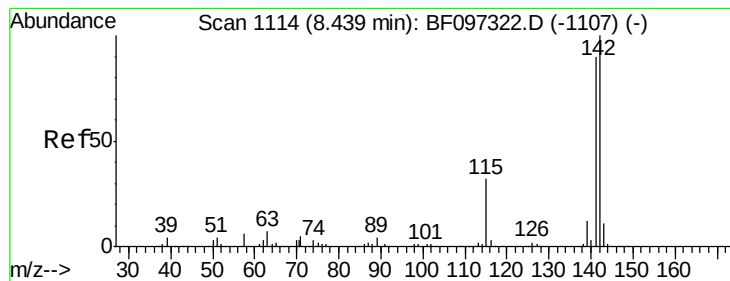
Tot Ion:122 Resp: 21547
Ion Ratio Lower Upper
122 100
105 10.6 103.3 143.3#
77 43.8 73.7 113.7#



#33
4-Chloroaniline
Concen: 5.88 ng
RT: 7.70 min Scan# 1005
Delta R.T. -0.08 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Tgt Ion:127 Resp: 44253
Ion Ratio Lower Upper
127 100
129 89.6 26.2 39.2#
65 5.3 27.8 41.8#
92 0.9 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 36.43 ng

RT: 8.39 min Scan# 1123

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

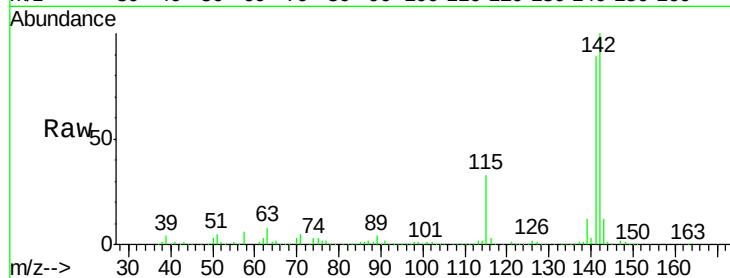
Tot Ion:142 Resp: 426687

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

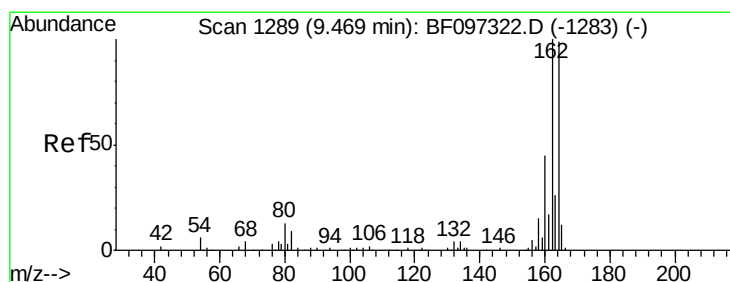
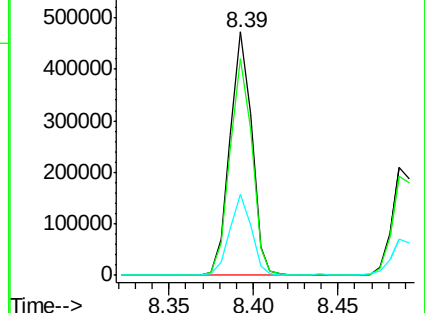
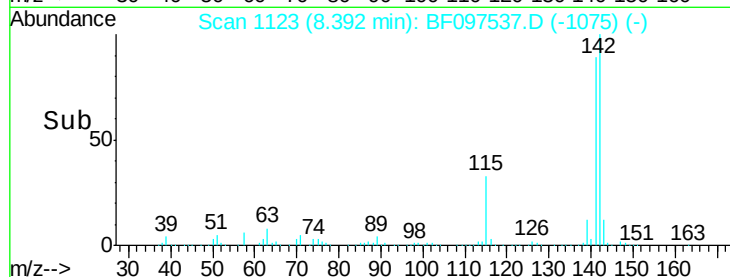
115 33.0 27.1 40.7



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: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

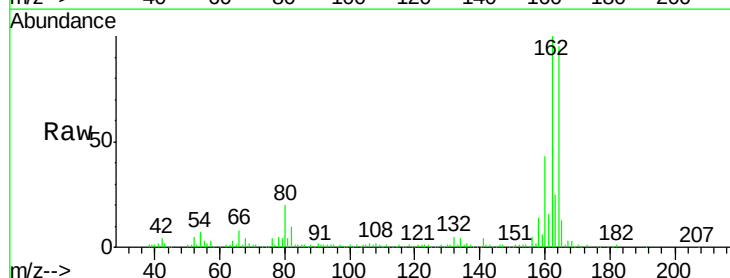
Tgt Ion:164 Resp: 166048

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

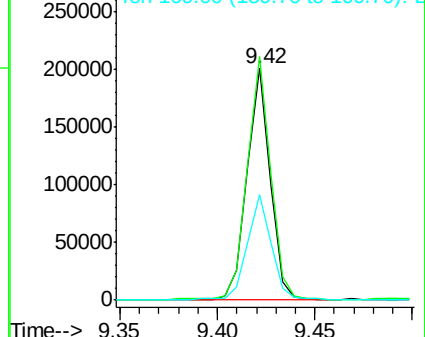
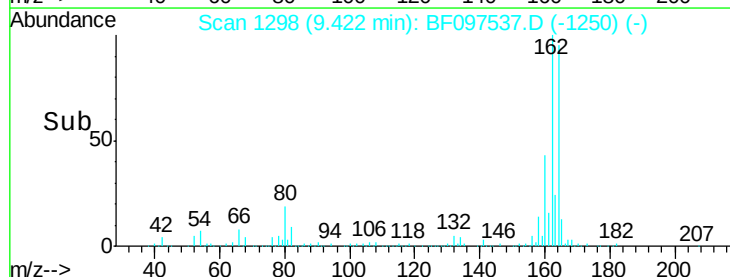
160 45.7 36.2 54.2

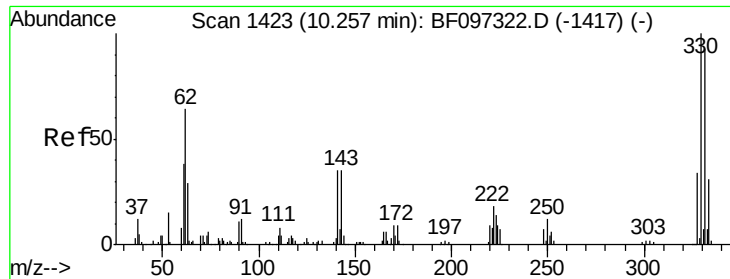


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

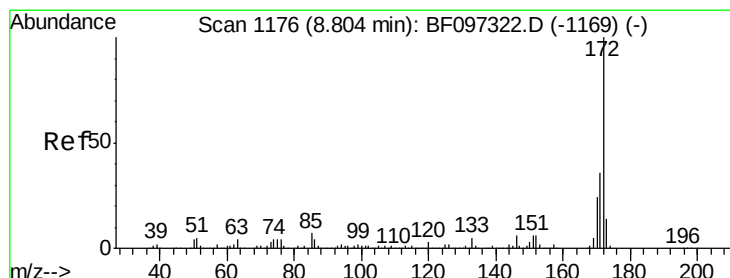
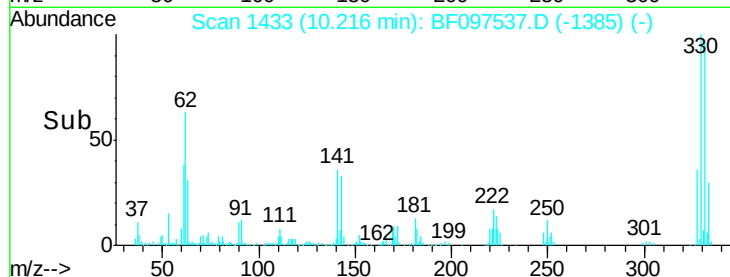
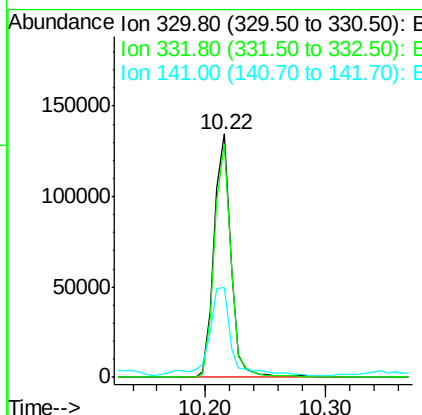
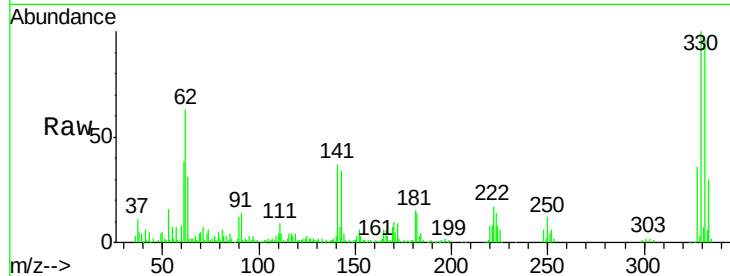




#41
 2,4,6-Tribromophenol
 Concen: 98.32 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

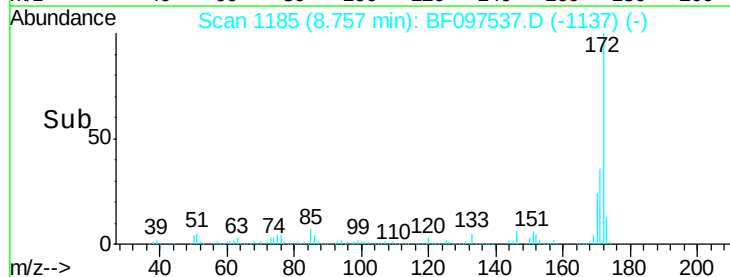
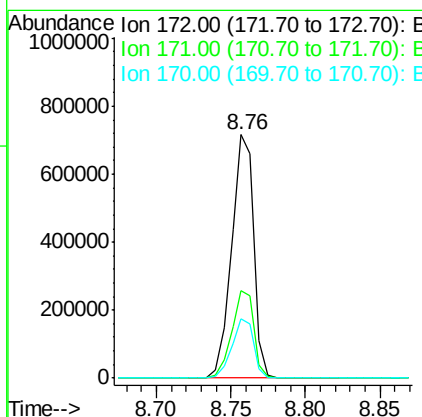
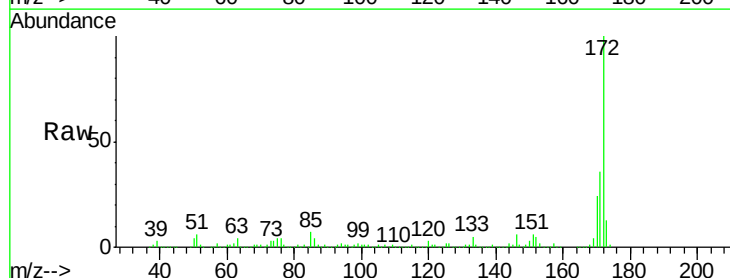
Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

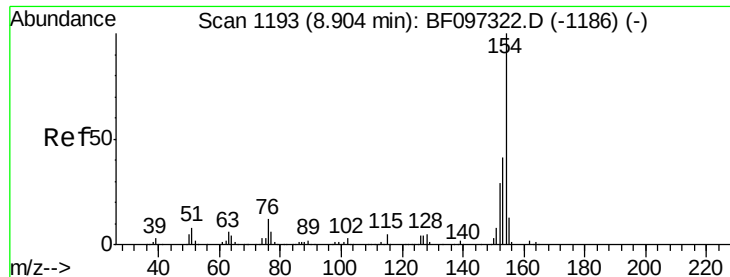
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	48.7	31.4	47.2#



#44
 2-Fluorobiphenyl
 Concen: 76.58 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.1	19.8	29.8





#45

1,1'-Biphenyl

Concen: 3.47 ng

RT: 8.86 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

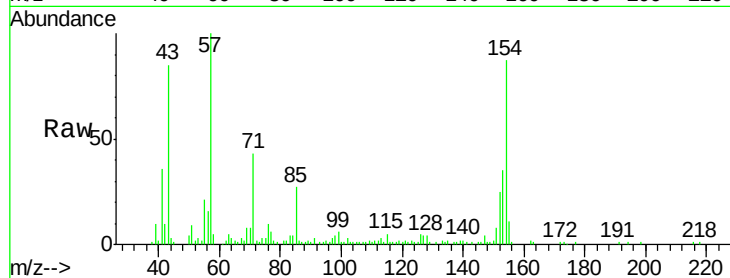
Tot Ion:154 Resp: 49260

Ion Ratio Lower Upper

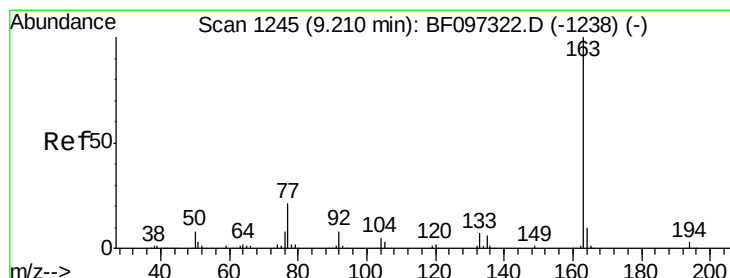
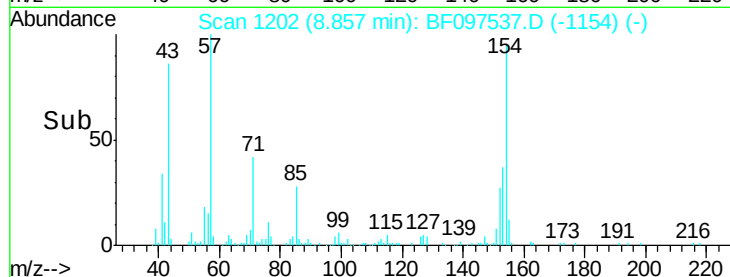
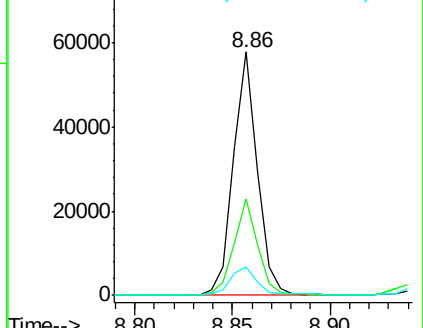
154 100

153 39.5 21.2 61.2

76 11.6 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 10.17 ng

RT: 9.16 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

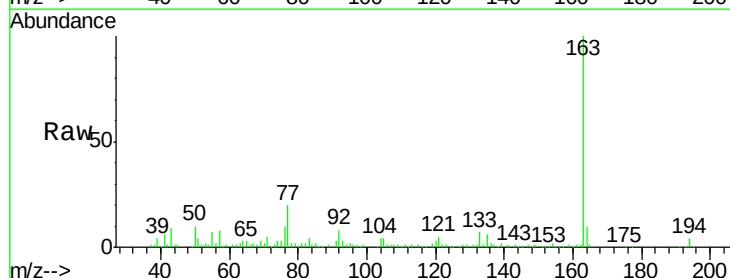
Tgt Ion:163 Resp: 128232

Ion Ratio Lower Upper

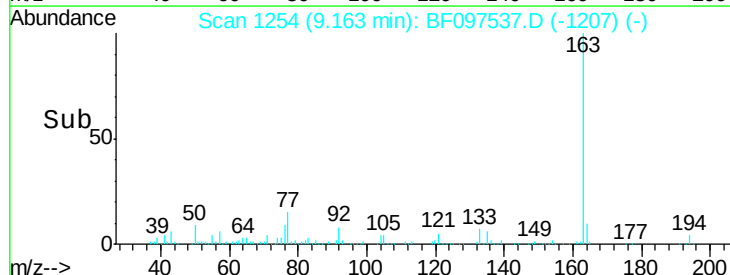
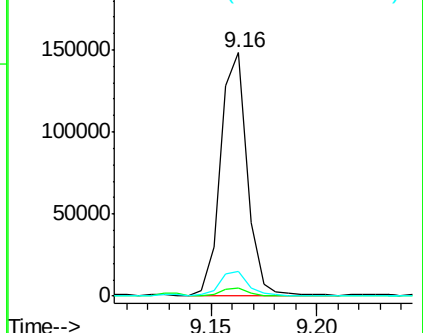
163 100

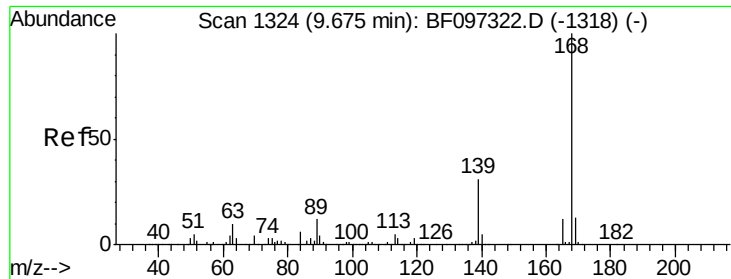
194 3.5 2.6 4.0

164 10.0 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

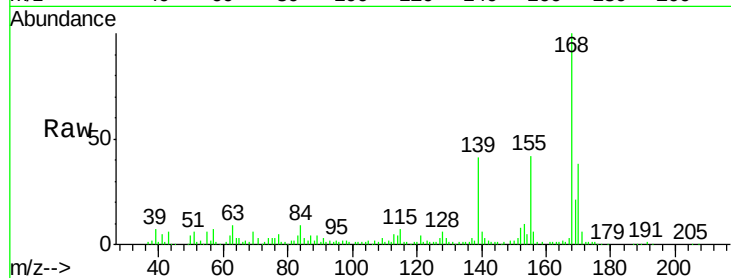




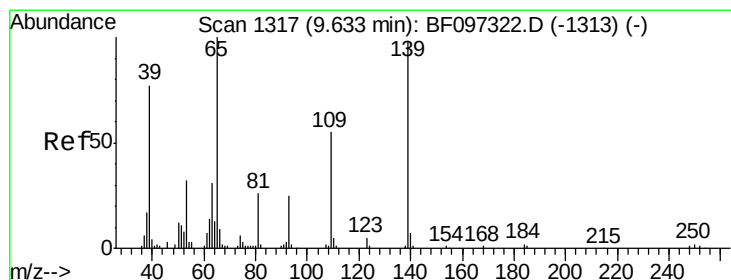
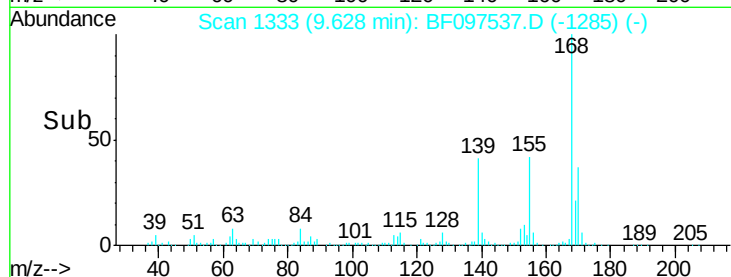
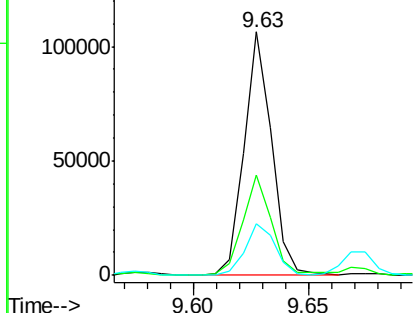
#54
 Dibenzofuran
 Concen: 7.08 ng
 RT: 9.63 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.2	30.6	45.8
169	21.1	10.8	16.2

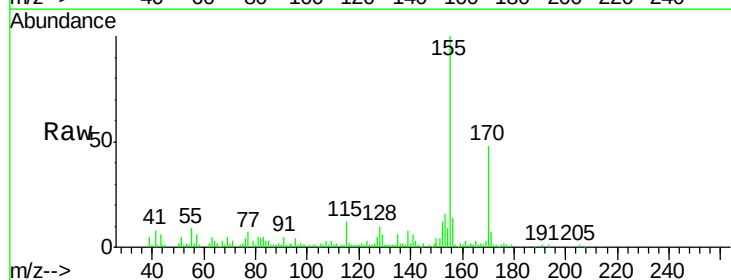


Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

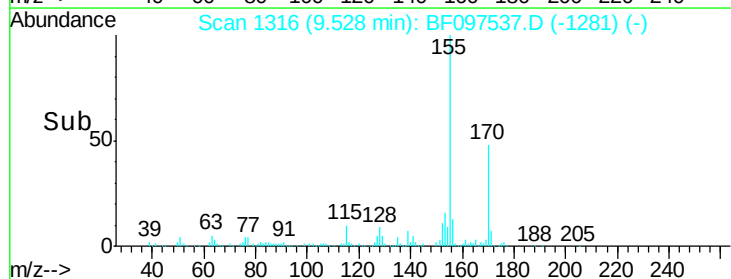
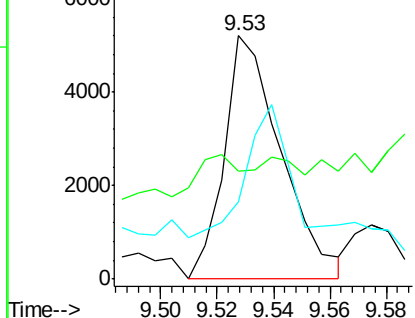


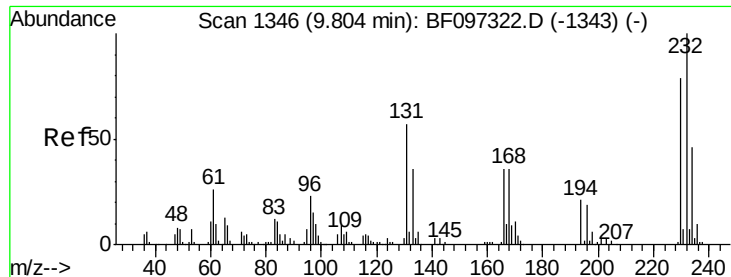
#55
 4-Nitrophenol
 Concen: 3.69 ng
 RT: 9.53 min Scan# 1316
 Delta R.T. -0.09 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Tgt Ion	Ratio	Lower	Upper
139	100		
109	44.1	34.1	74.1
65	31.9	31.4	71.4



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

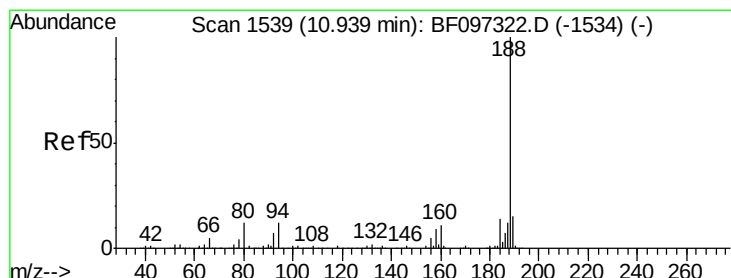
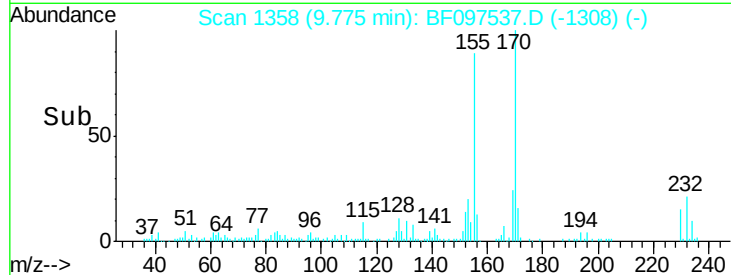
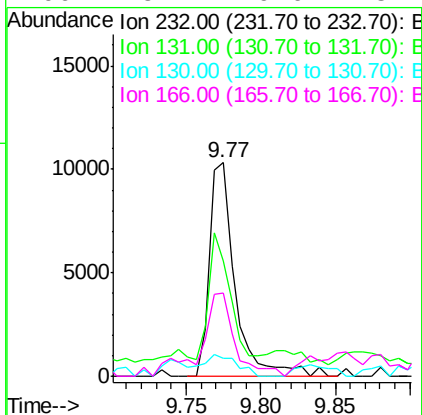
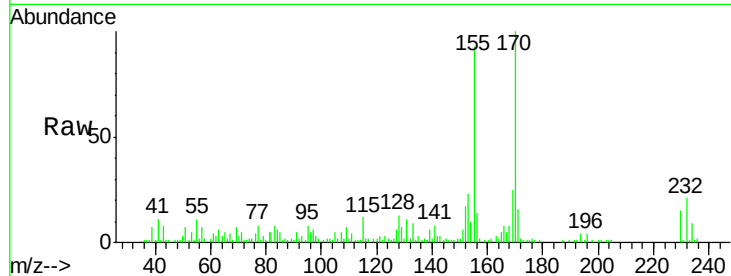




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.54 ng
 RT: 9.77 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

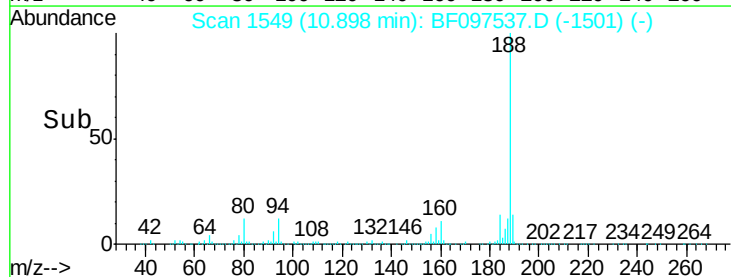
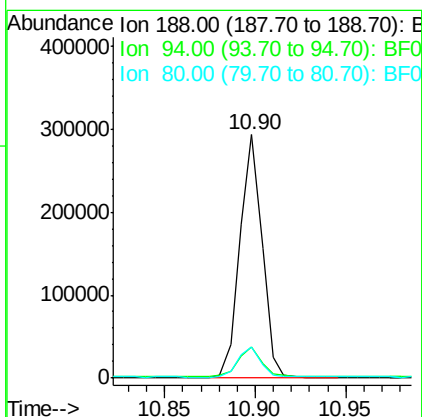
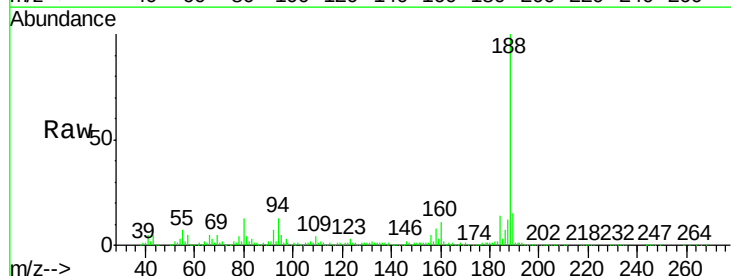
Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

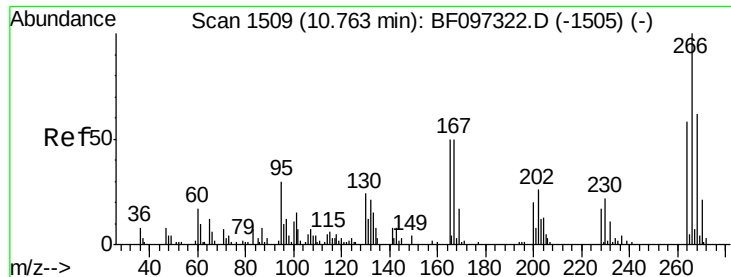
Tot Ion:232	Resp:	12292
Ion Ratio	Lower	Upper
232	100	
131	60.4	44.8 67.2
130	13.3	2.3 3.5#
166	45.1	29.0 43.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Tgt Ion:188	Resp:	251638
Ion Ratio	Lower	Upper
188	100	
94	12.6	9.4 14.2
80	12.6	10.2 15.2

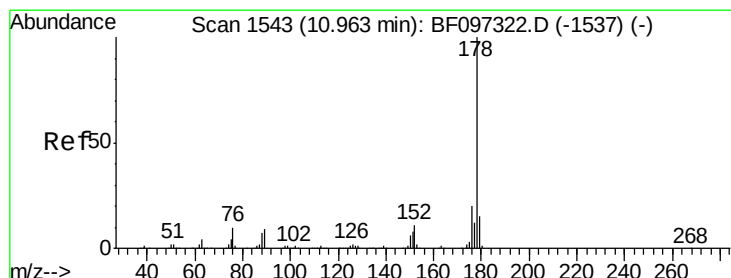
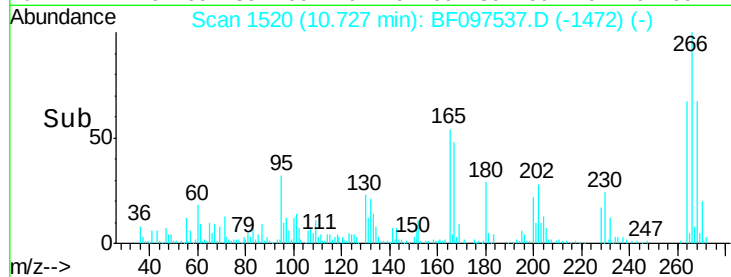
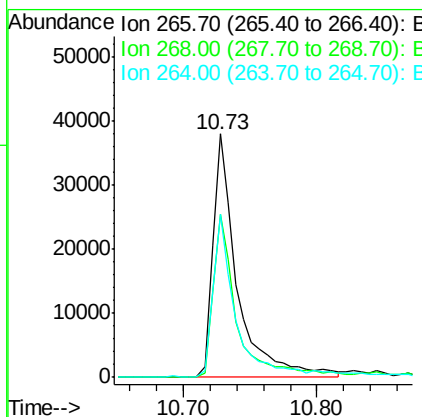
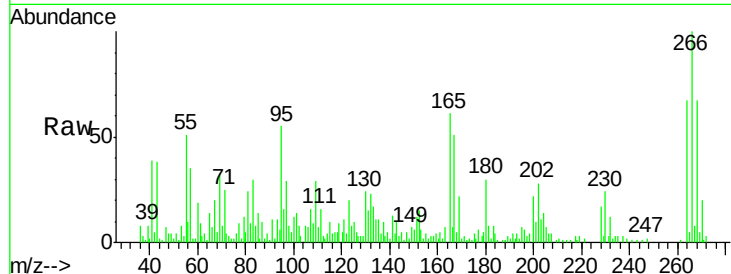




#69
 Pentachlorophenol
 Concen: 41.77 ng
 RT: 10.73 min Scan# 1520
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

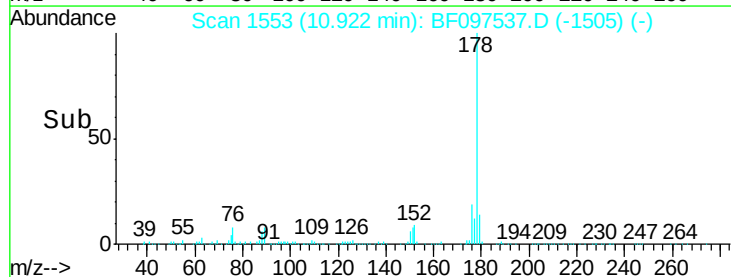
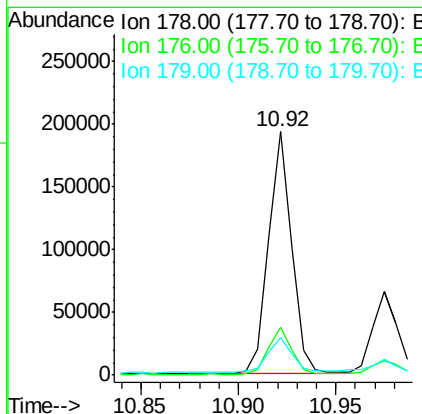
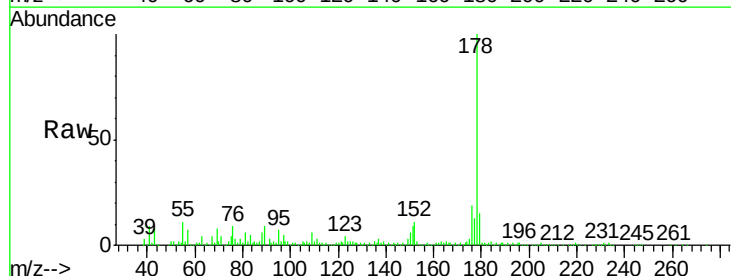
Instrument :
 BNA_F
 ClientSampleId :
 E2-E10-ESW

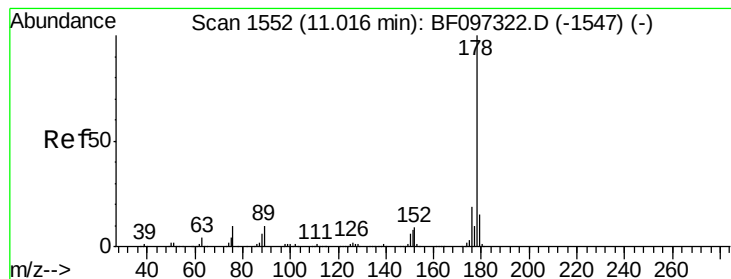
Tot Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.1	76.7
264	67.1	51.7	77.5



#70
 Phenanthrene
 Concen: 11.84 ng
 RT: 10.92 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF097537.D
 Acq: 10 Aug 2017 1:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.3	12.6	19.0





#71

Anthracene

Concen: 11.56 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.07 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

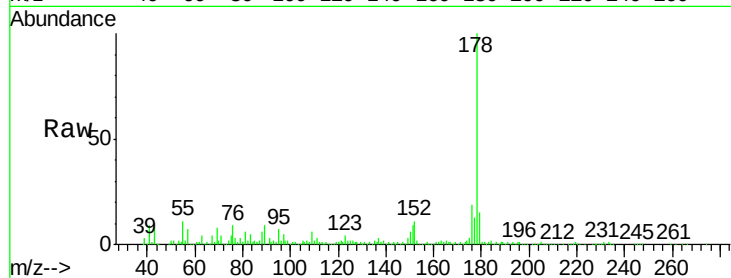
Tot Ion:178 Resp: 159627

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

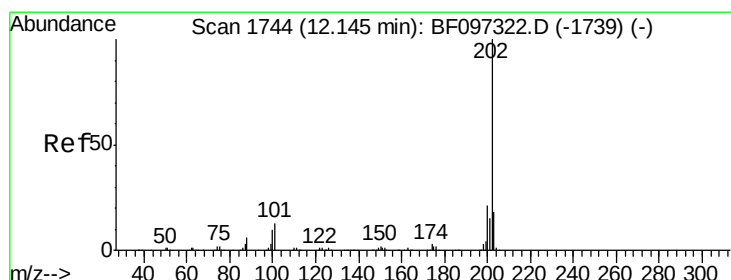
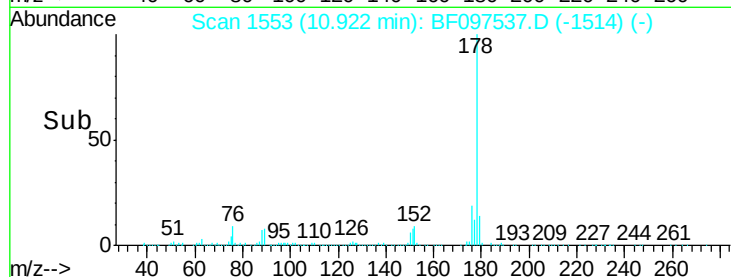
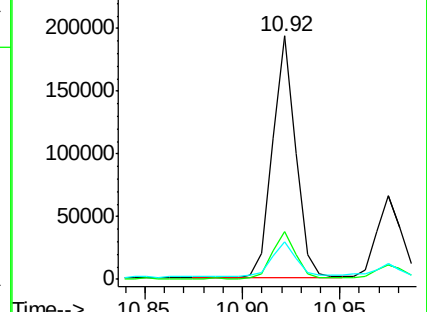
179 15.3 12.7 19.1



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



#74

Fluoranthene

Concen: 8.25 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

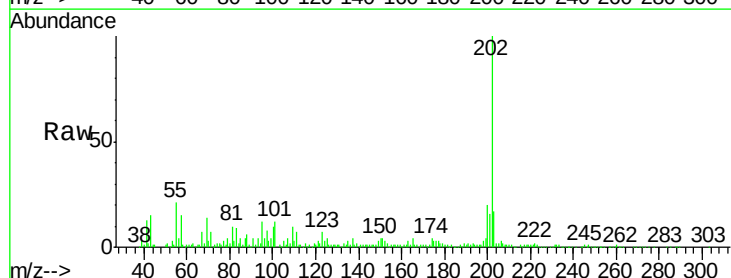
Tgt Ion:202 Resp: 109010

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

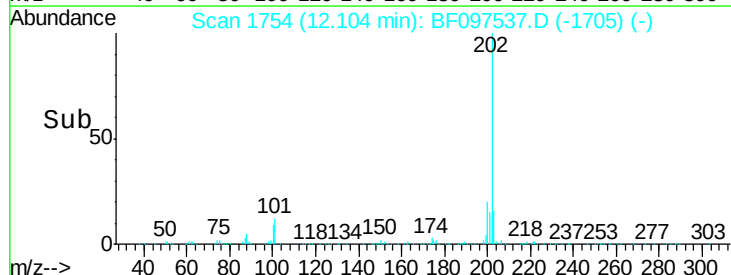
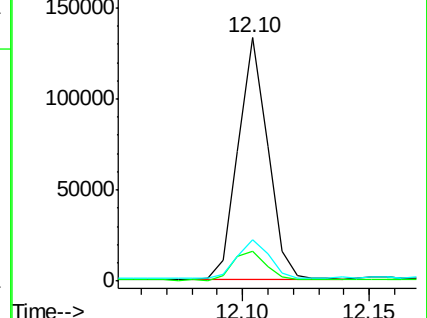
203 16.8 0.0 38.1

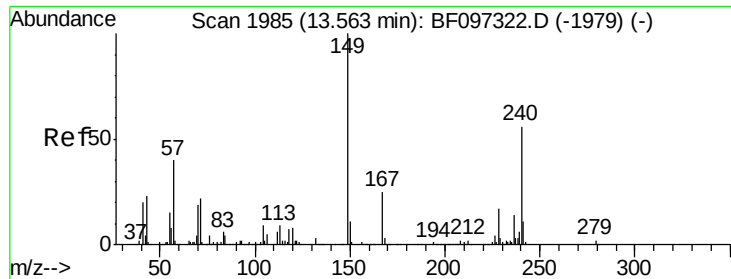


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

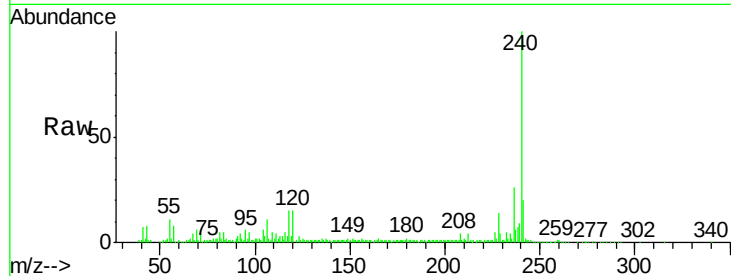
Tot Ion:240 Resp: 159348

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

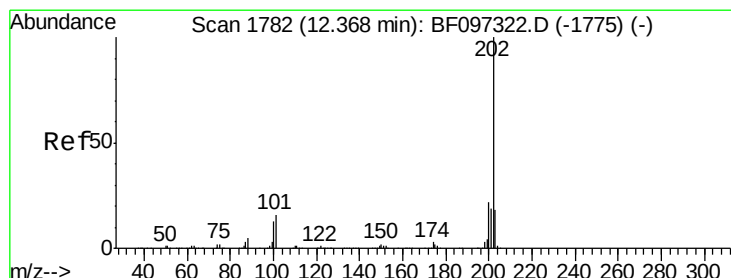
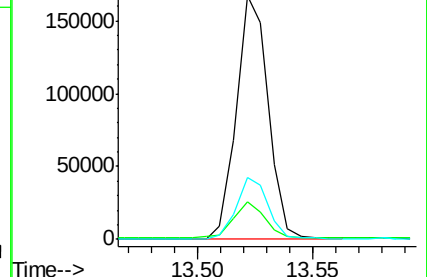
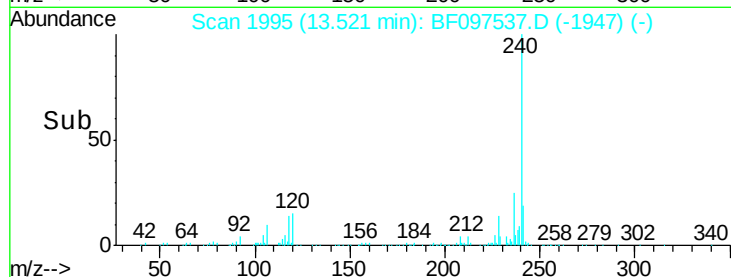
236 25.6 20.5 30.7



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



#77

Pyrene

Concen: 7.23 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

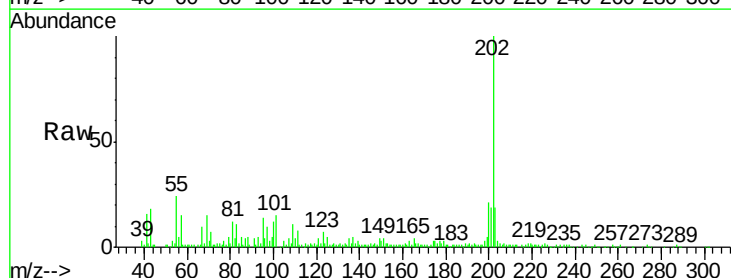
Tgt Ion:202 Resp: 94254

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

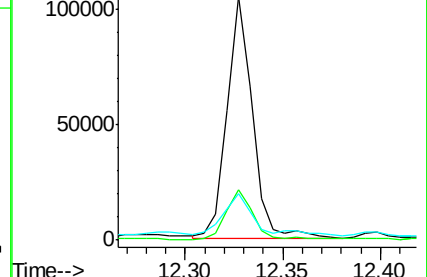
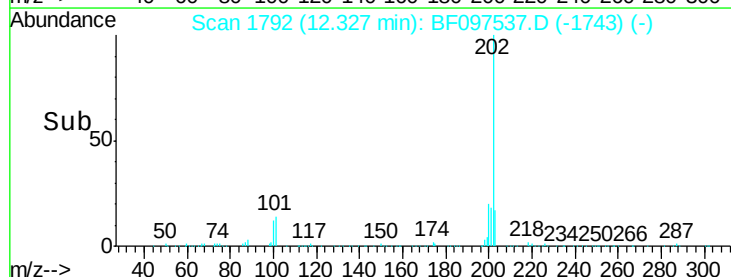
203 19.1 14.4 21.6

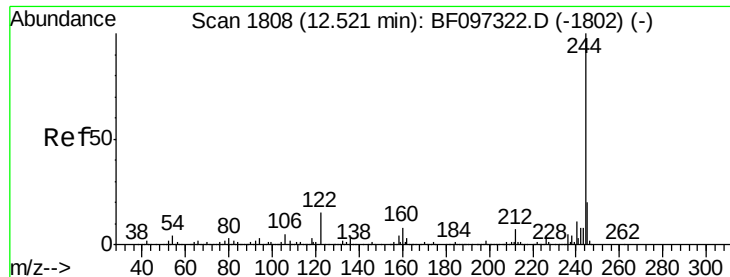


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.60 ng

RT: 12.48 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

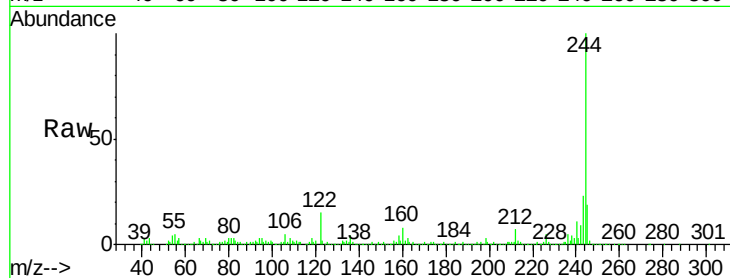
Tot Ion:244 Resp: 395440

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

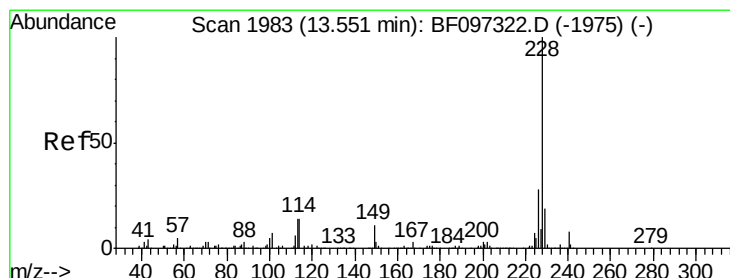
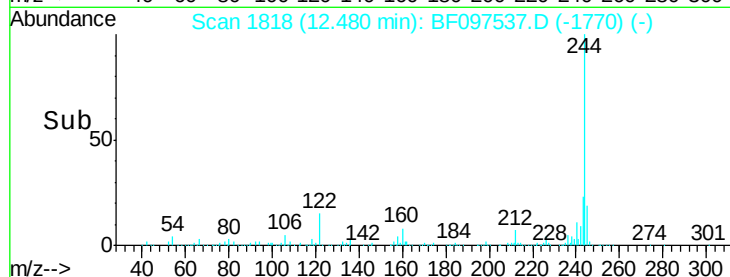
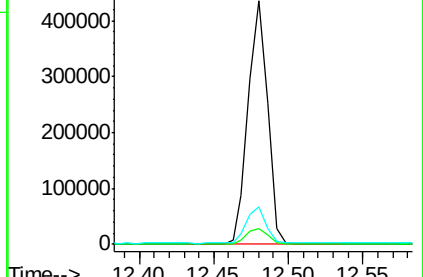
122 15.4 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 4.67 ng

RT: 13.52 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

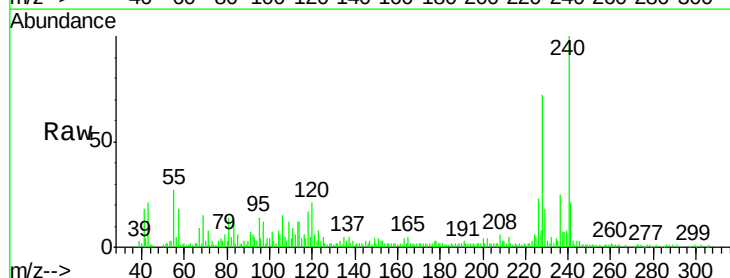
Tgt Ion:228 Resp: 48195

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

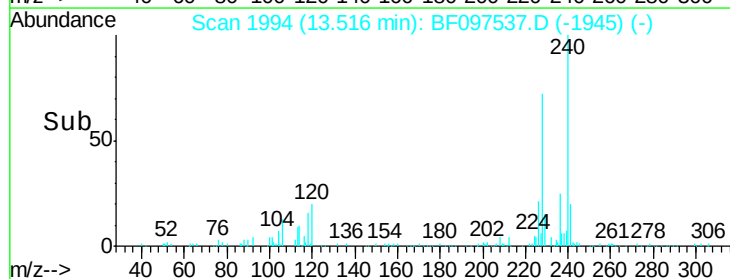
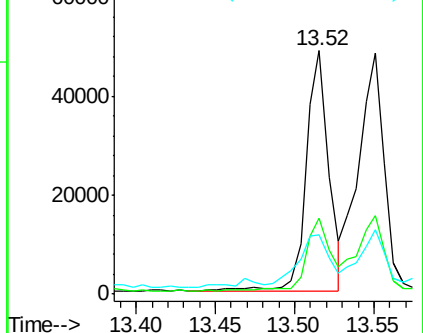
229 24.5 16.3 24.5#

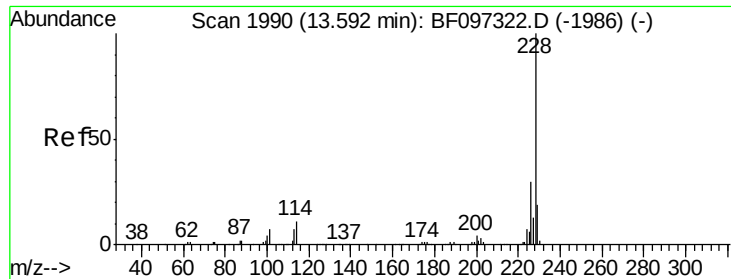


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.50 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

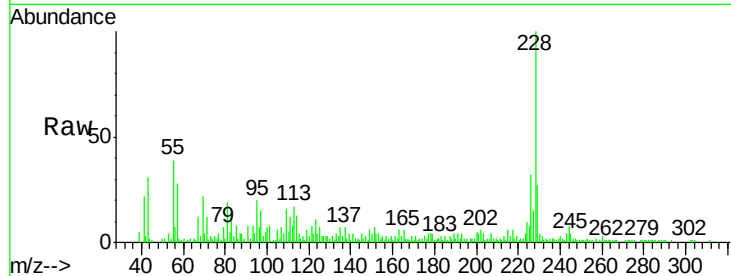
Tot Ion:228 Resp: 55358

Ion Ratio Lower Upper

228 100

226 32.4 24.9 37.3

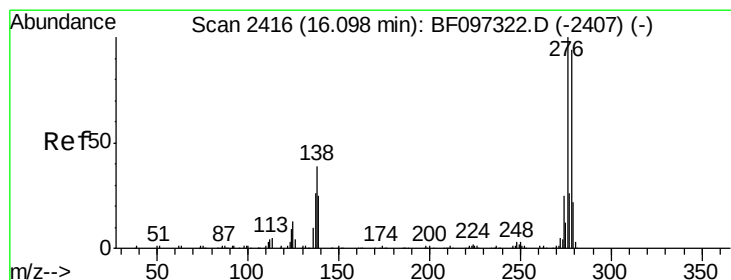
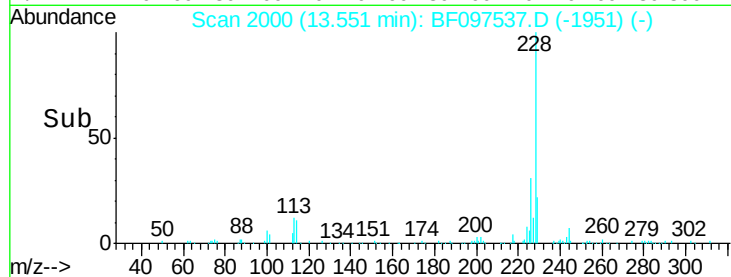
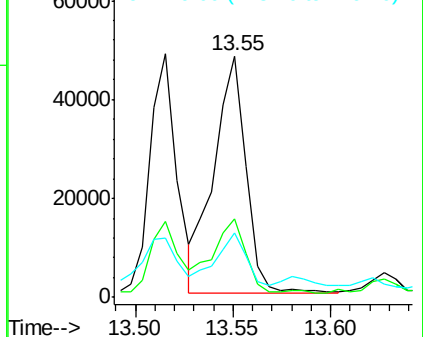
229 26.7 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.72 ng

RT: 16.05 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

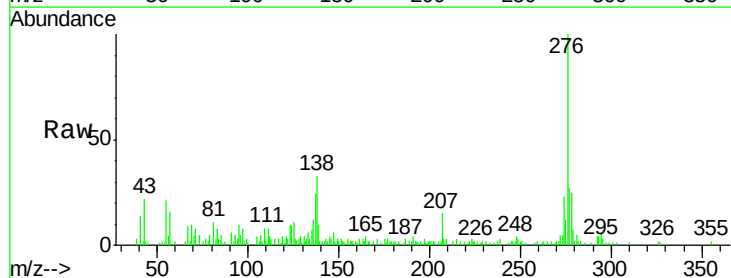
Tgt Ion:276 Resp: 40717

Ion Ratio Lower Upper

276 100

138 33.6 27.8 41.6

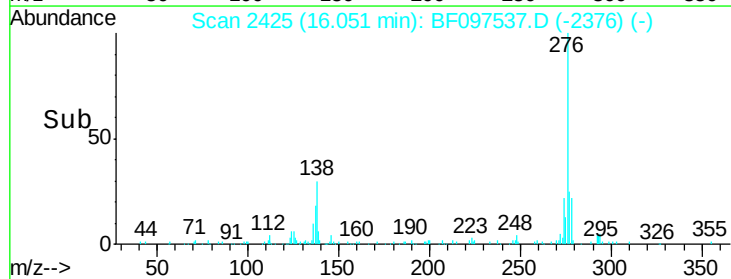
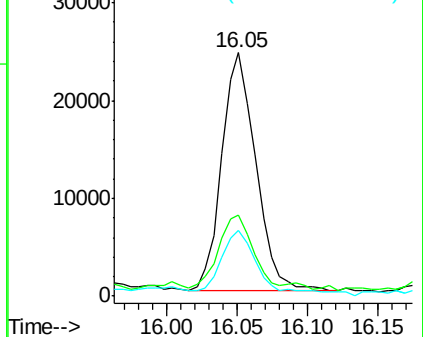
277 32.0 20.2 30.4#

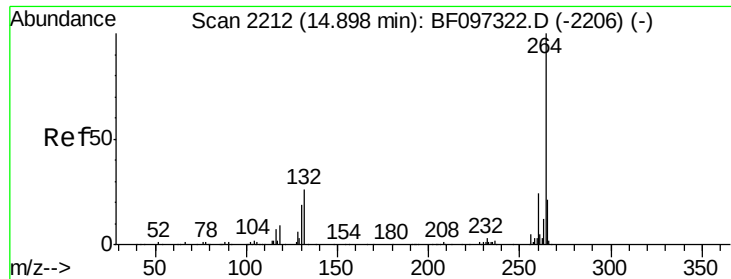


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



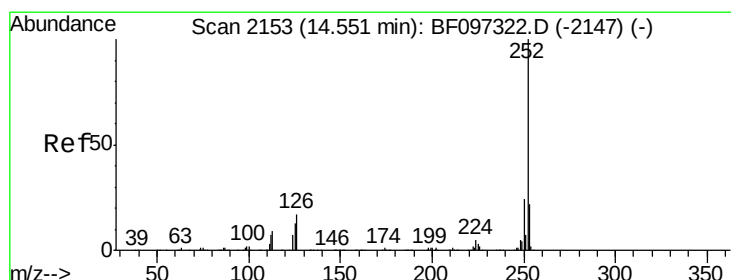
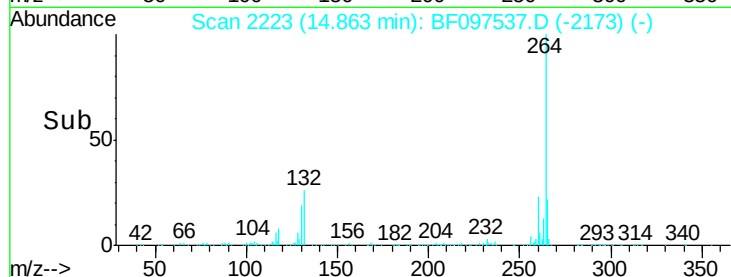
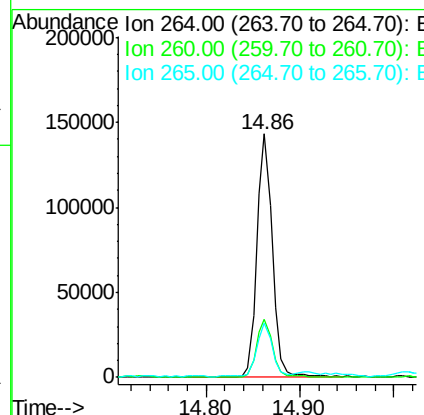
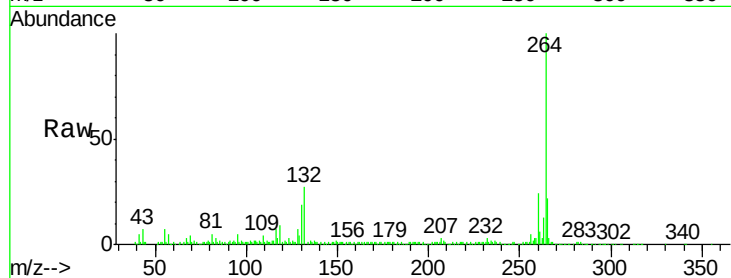


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Instrument :
BNA_F
ClientSampleId :
E2-E10-ESW

Tot Ion:264 Resp: 163433

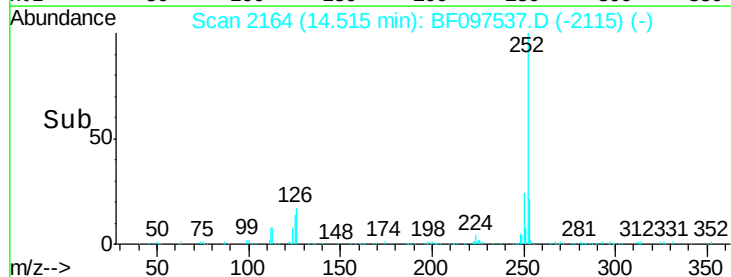
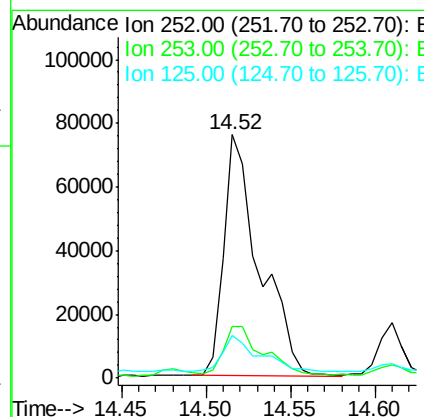
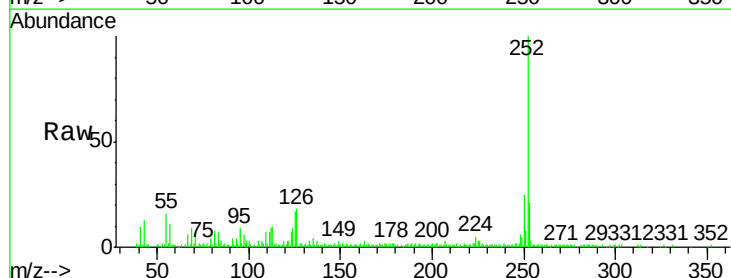
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.2	17.2	25.8

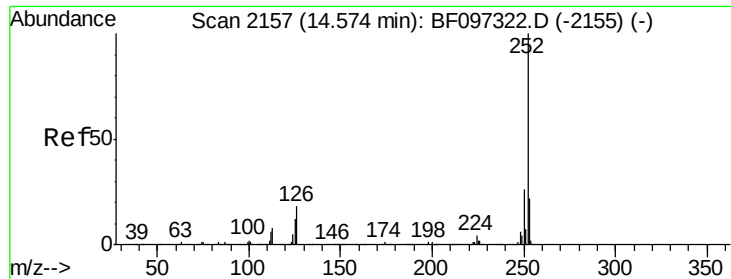


#87
Benzo(b)fluoranthene
Concen: 11.38 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Tgt Ion:252 Resp: 111837

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	17.4	9.8	14.8#

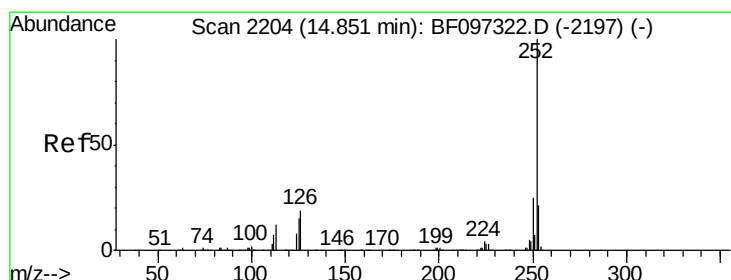
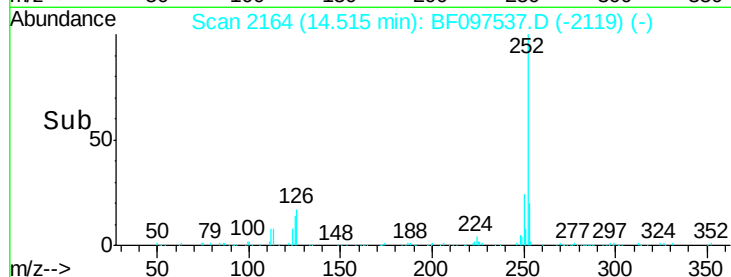
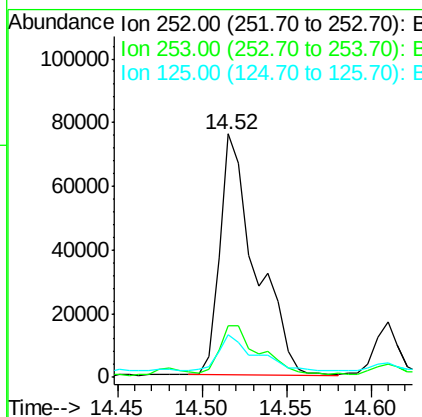
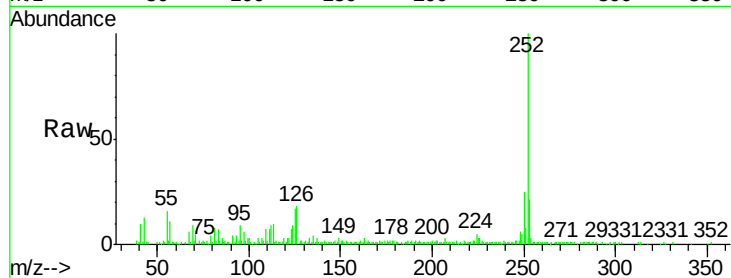




#88
Benzo(k)fluoranthene
Concen: 11.95 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

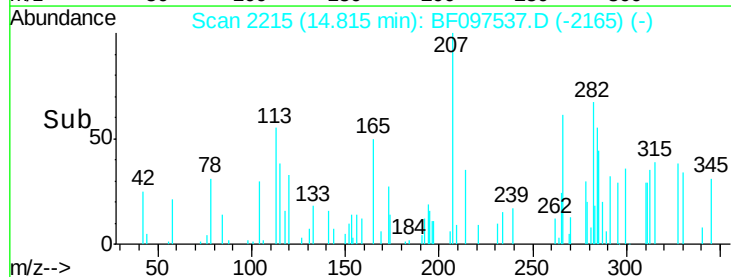
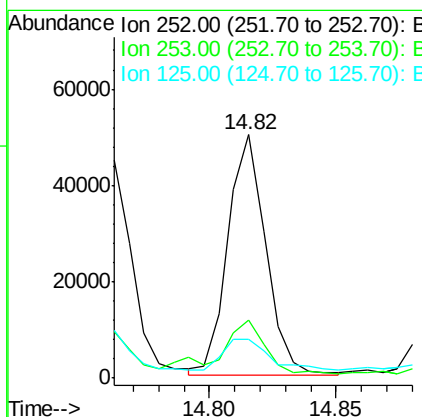
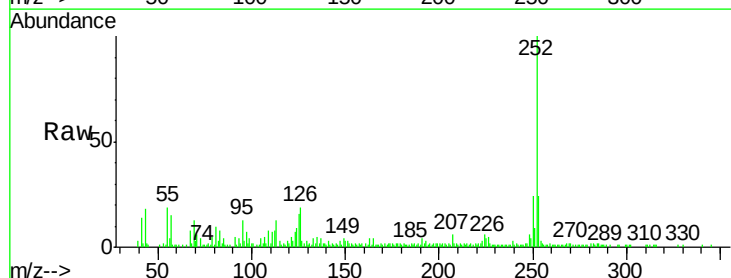
Instrument :
BNA_F
ClientSampleId :
E2-E10-ESW

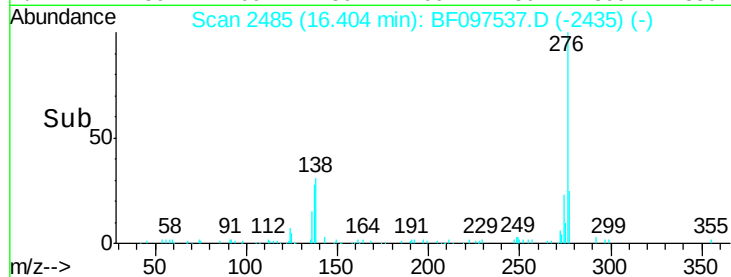
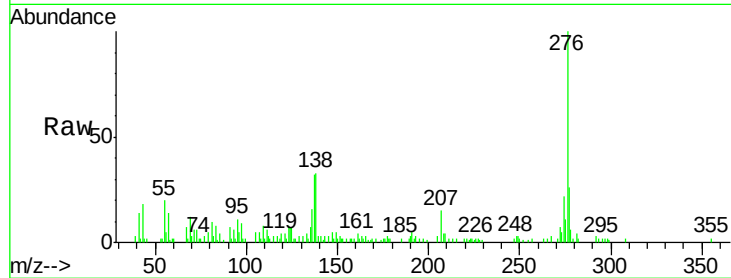
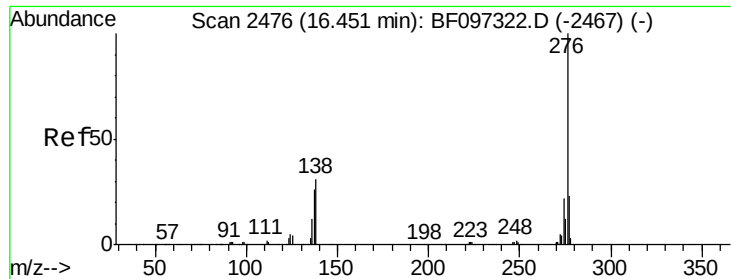
Tot Ion:252 Resp: 111837
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 17.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.79 ng
RT: 14.82 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097537.D
Acq: 10 Aug 2017 1:15

Tgt Ion:252 Resp: 52099
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 15.7 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 5.11 ng

RT: 16.40 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BF097537.D

Acq: 10 Aug 2017 1:15

Instrument :

BNA_F

ClientSampleId :

E2-E10-ESW

Tot Ion:276 Resp: 39484

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 33.3 25.4 38.0

