

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097820.D
 Acq On : 18 Aug 2017 7:53
 Operator : SJ/JU
 Sample : I4773-01DL 50X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESWDL

Quant Time: Aug 18 08:28:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	127168	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	459599	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	159072	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	271078	20.00	ng	0.00
75) Chrysene-d12	13.93	240	281861	20.00	ng	0.00
86) Perylene-d12	15.36	264	199396	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	17668	2.11	ng	-0.02
7) Phenol-d6	6.39	99	24092	2.12	ng	-0.02
23) Nitrobenzene-d5	7.33	82	13923	1.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	2013	1.46	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	16385	1.51	ng	-0.01
78) Terphenyl-d14	12.88	244	12726	0.94	ng	-0.01

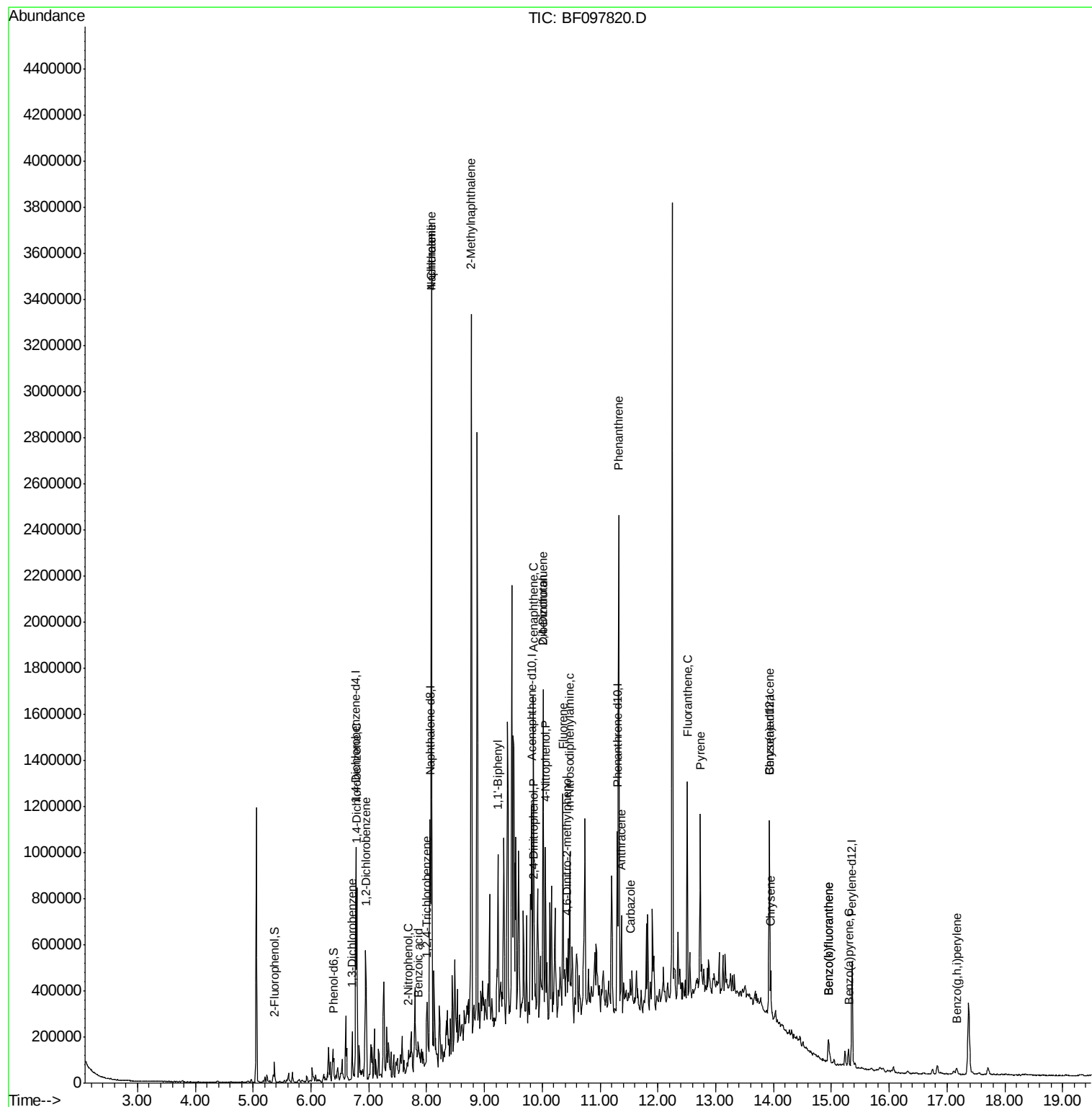
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	6.72	146	35467	3.74	ng	# 93
13) 1,4-Dichlorobenzene	6.79	146	126840	13.15	ng	# 92
14) 1,2-Dichlorobenzene	6.95	146	90566	10.18	ng	97
26) 2-Nitrophenol	7.68	139	109	5.29	ng	# 1
30) 1,2,4-Trichlorobenzene	8.00	180	23461	3.47	ng	97
31) Naphthalene	8.09	128	1525821	63.95	ng	99
32) Benzoic acid	7.85	122	979	6.56	ng	# 1
33) 4-Chloroaniline	8.09	127	214107	21.28	ng	# 34
37) 2-Methylnaphthalene	8.77	142	907298	62.02	ng	98
45) 1,1'-Biphenyl	9.23	154	174358	12.02	ng	95
51) Acenaphthene	9.85	154	262836	24.76	ng	99
53) 2,4-Dinitrophenol	9.86	184	107	10.23	ng	# 1
54) Dibenzofuran	10.02	168	216509	15.22	ng	# 85
55) 4-Nitrophenol	10.06	139	7166	3.00	ng	90
56) 2,4-Dinitrotoluene	10.02	165	8357	2.87	ng	# 1
57) Fluorene	10.36	166	225649	20.51	ng	95
64) 4,6-Dinitro-2-methylphenol	10.43	198	434	8.60	ng	# 1
65) n-Nitrosodiphenylamine	10.47	169	41059	4.45	ng	# 65
70) Phenanthrene	11.32	178	732837	50.73	ng	100
71) Anthracene	11.37	178	139295	9.51	ng	99
72) Carbazole	11.52	167	28208	2.03	ng	# 90
74) Fluoranthene	12.51	202	367907	24.40	ng	98
77) Pyrene	12.73	202	319595	13.86	ng	98
80) Benzo(a)anthracene	13.92	228	83391	4.94	ng	94
82) Chrysene	13.96	228	72063	4.29	ng	97
87) Benzo(b)fluoranthene	14.94	252	68957	5.49	ng	98
88) Benzo(k)fluoranthene	14.94	252	68957	5.84	ng	97
89) Benzo(a)pyrene	15.30	252	29688	2.67	ng	98
91) Benzo(g,h,i)perylene	17.17	276	21073	2.23	ng	94

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

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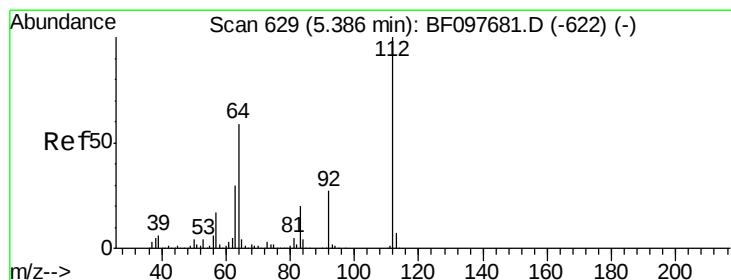
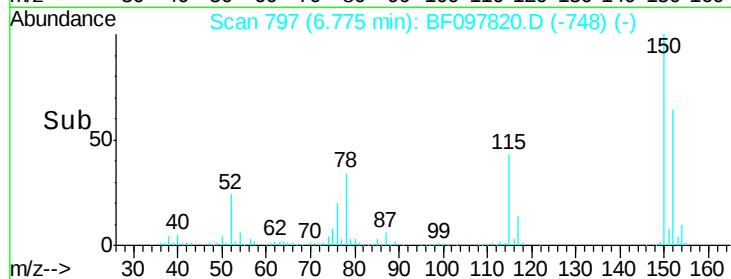
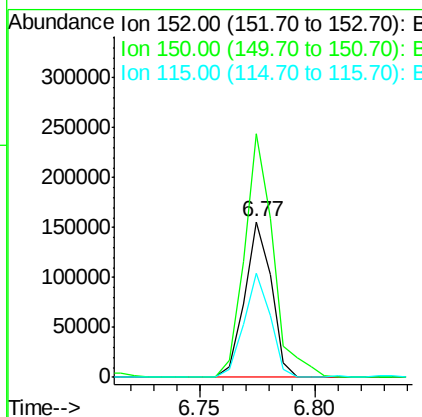
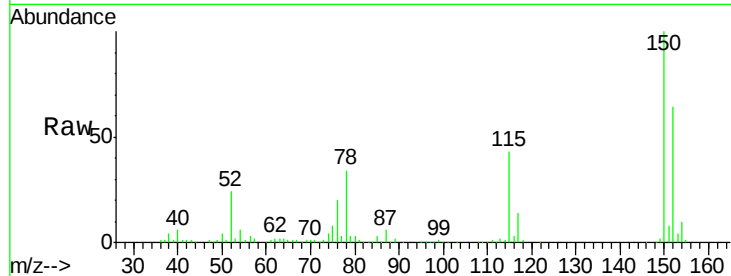




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

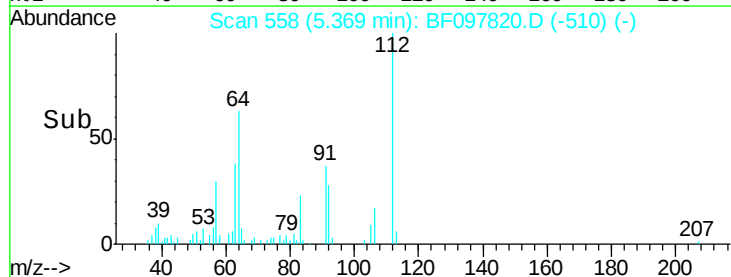
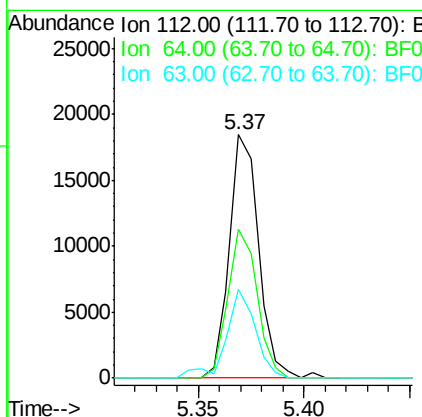
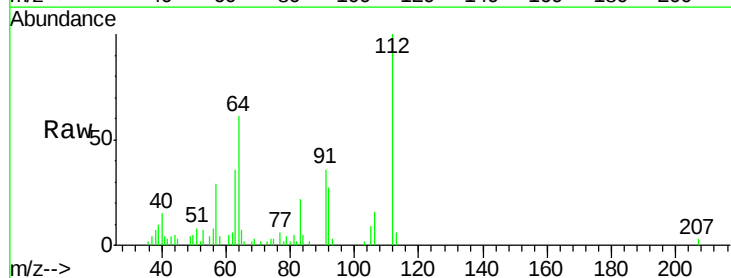
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESWDL

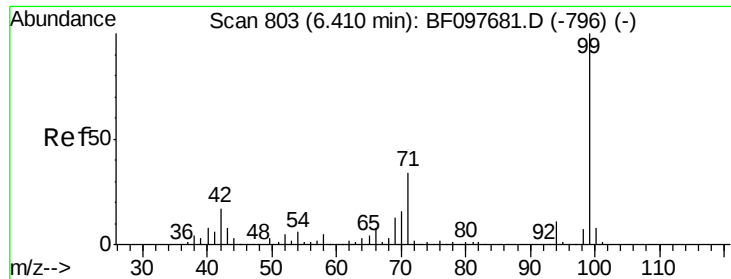
Tot Ion:152 Resp: 127168
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.2 189.2
 115 66.6 52.2 78.2



#5
 2-Fluorophenol
 Concen: 2.11 ng
 RT: 5.37 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

Tgt Ion:112 Resp: 17668
 Ion Ratio Lower Upper
 112 100
 64 61.0 46.0 69.0
 63 36.2 23.4 35.0#





#7

Phenol-d6

Concen: 2.12 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

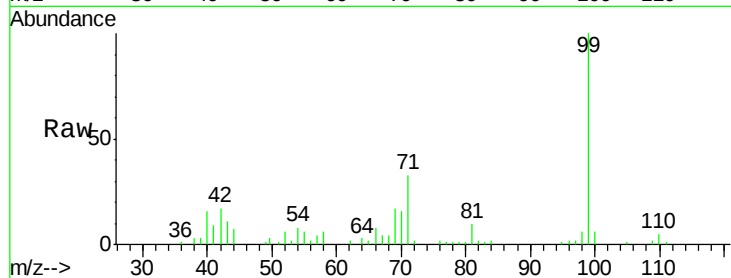
Tot Ion: 99 Resp: 24092

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

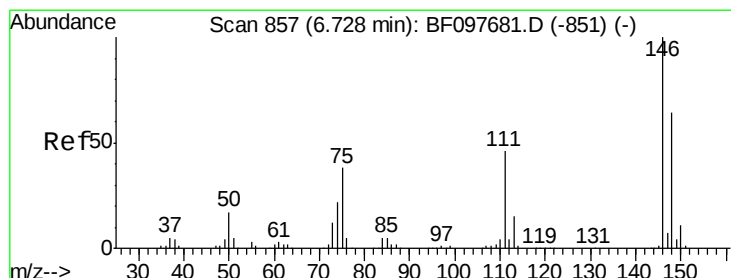
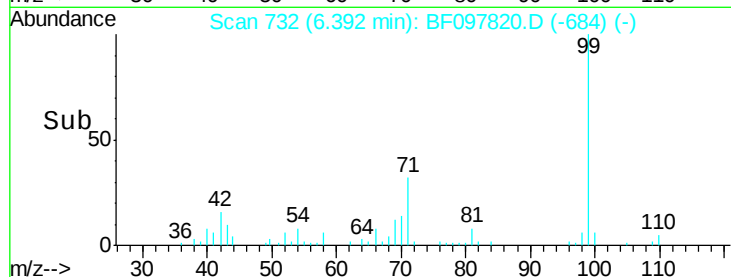
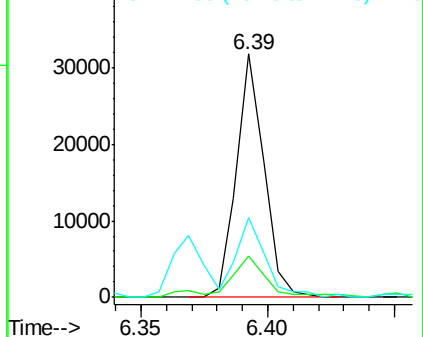
71 32.7 24.5 36.7



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



#12

1,3-Dichlorobenzene

Concen: 3.74 ng

RT: 6.72 min Scan# 787

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

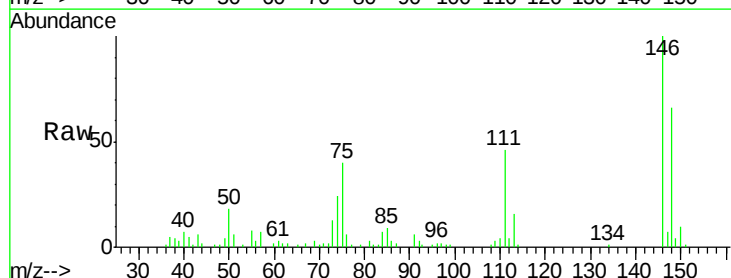
Tgt Ion: 146 Resp: 35467

Ion Ratio Lower Upper

146 100

148 65.7 51.8 77.6

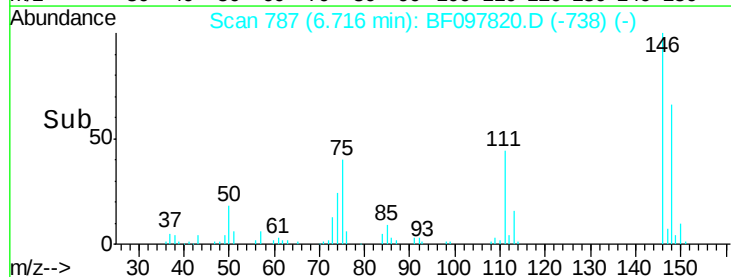
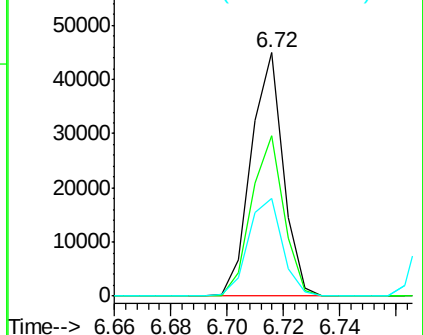
75 40.1 23.1 34.7#

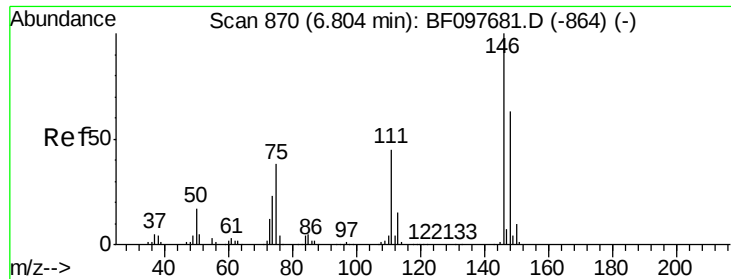


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 13.15 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

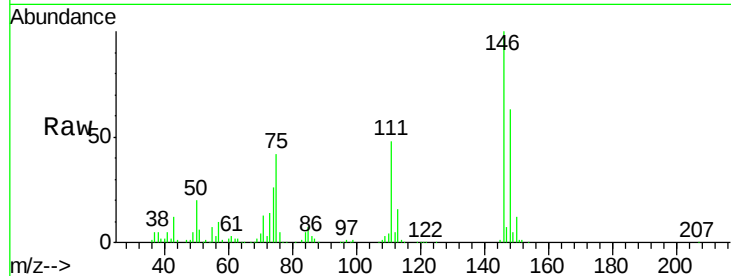
Tot Ion:146 Resp: 126840

Ion Ratio Lower Upper

146 100

148 63.1 52.2 78.2

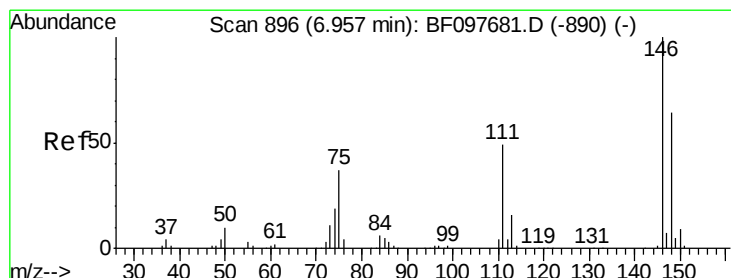
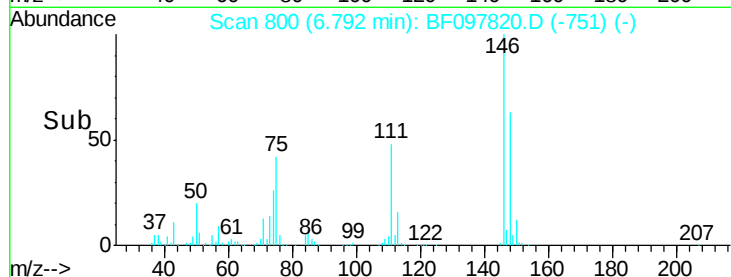
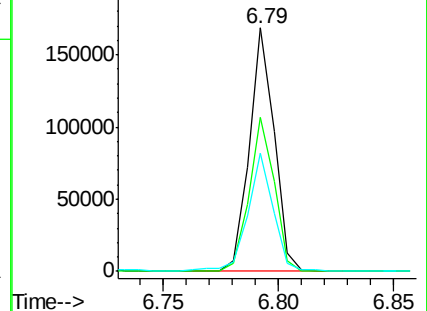
111 48.4 30.3 45.5#



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: 10.18 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

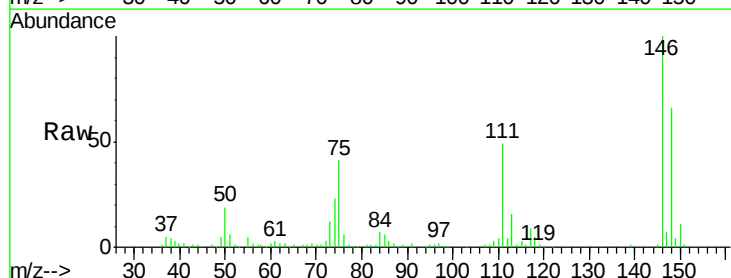
Tgt Ion:146 Resp: 90566

Ion Ratio Lower Upper

146 100

148 66.1 50.4 75.6

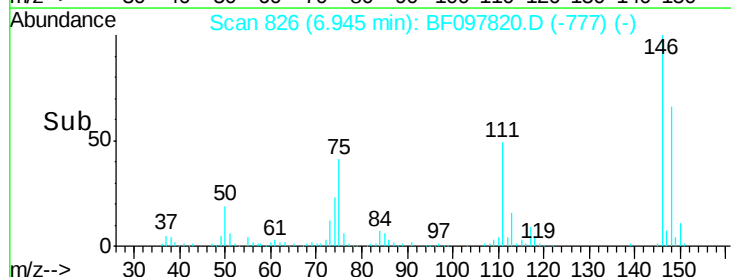
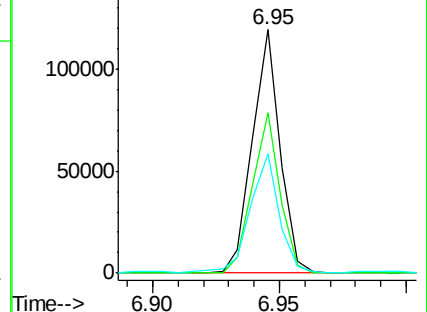
111 49.1 38.2 57.4

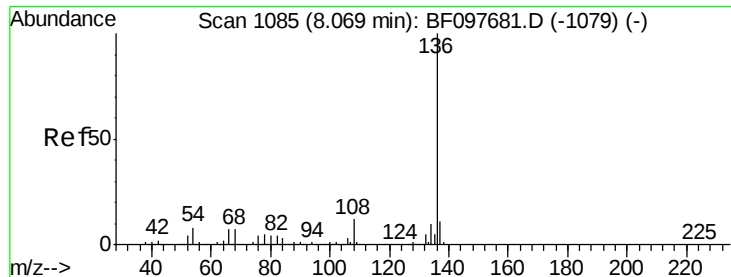


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

Tot Ion:136 Resp: 459599

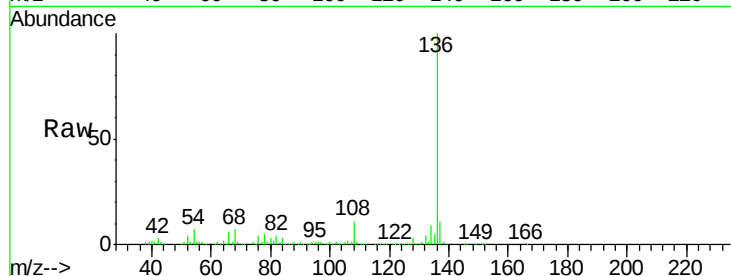
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.2 4.9 7.3

68 6.8 4.1 6.1#

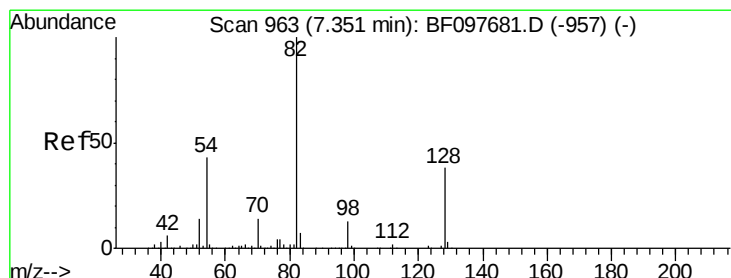
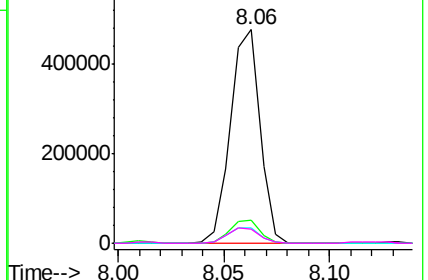
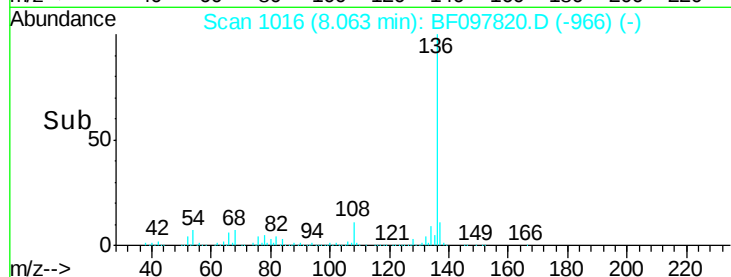


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.65 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

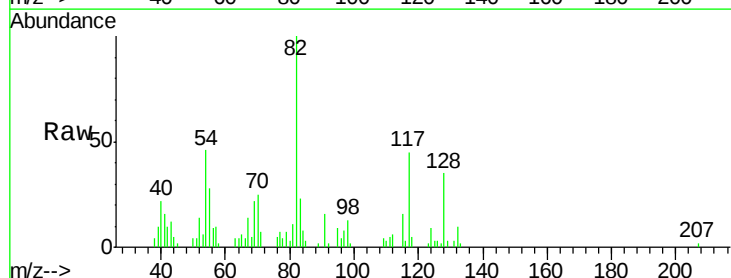
Tgt Ion: 82 Resp: 13923

Ion Ratio Lower Upper

82 100

128 35.3 34.0 51.0

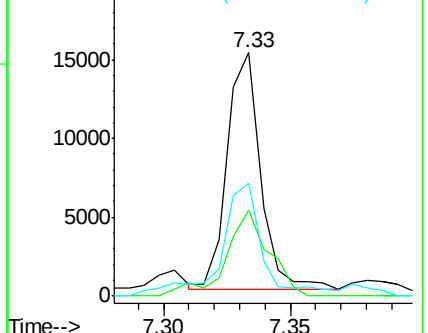
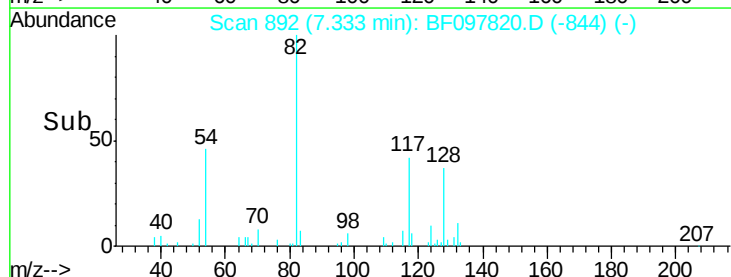
54 46.5 42.2 63.2

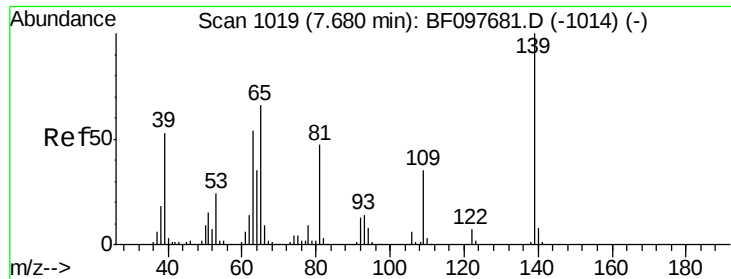


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

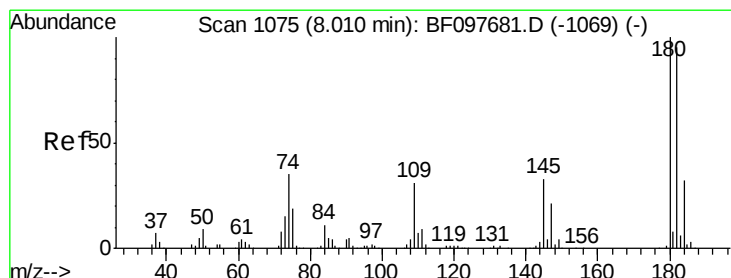
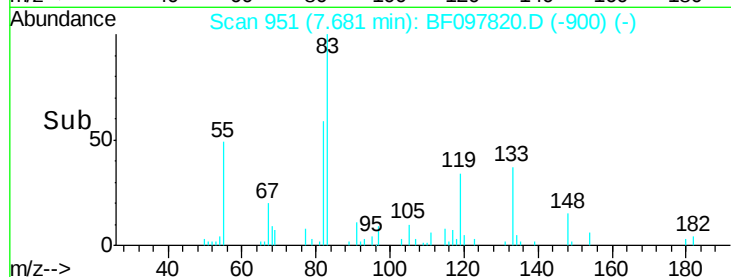
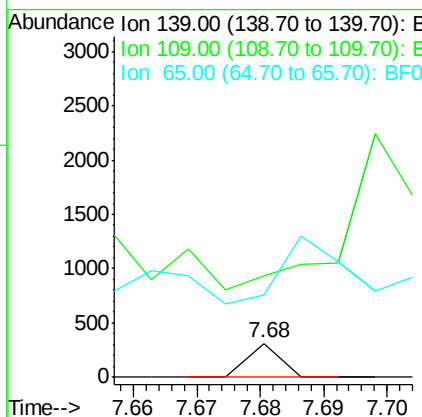
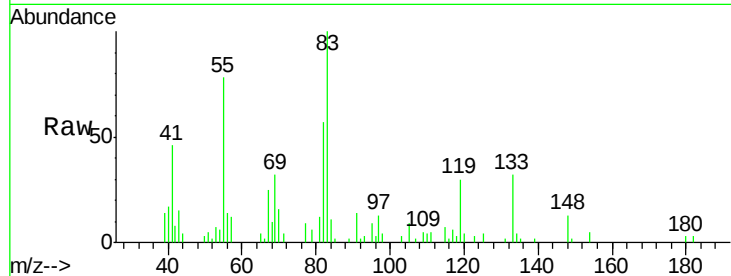




#26
 2-Nitrophenol
 Concen: 5.29 ng
 RT: 7.68 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

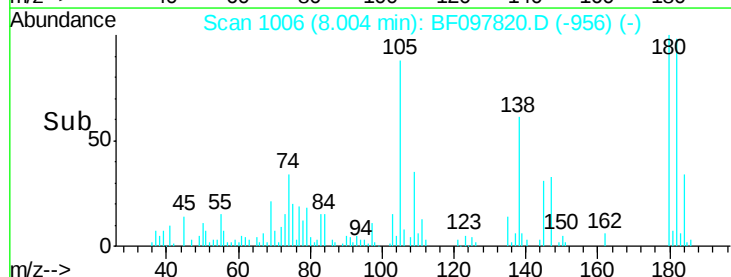
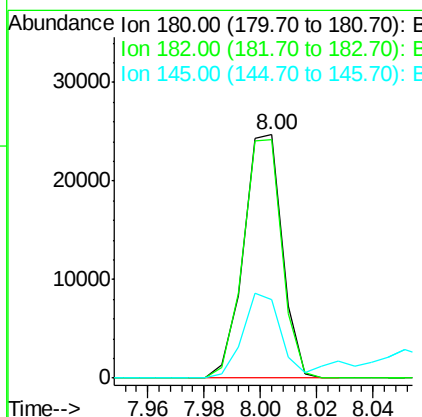
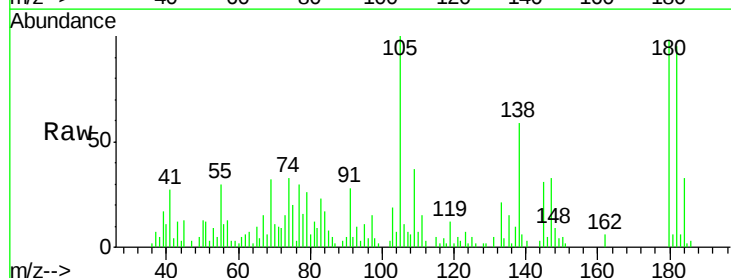
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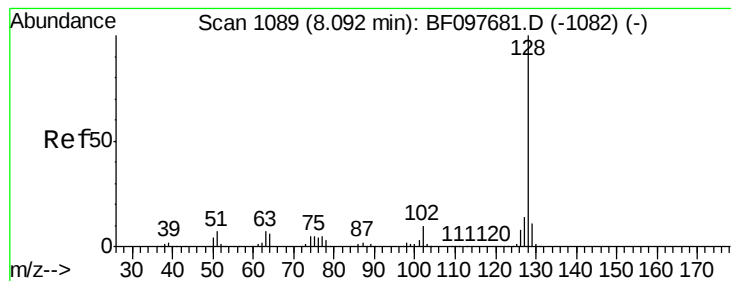
Tot Ion	Ratio	Lower	Upper
139	100		
109	300.0	21.0	31.6#
65	245.8	33.0	49.6#



#30
 1,2,4-Trichlorobenzene
 Concen: 3.47 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.8	113.6
145	32.3	25.3	37.9





#31

Naphthalene

Concen: 63.95 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

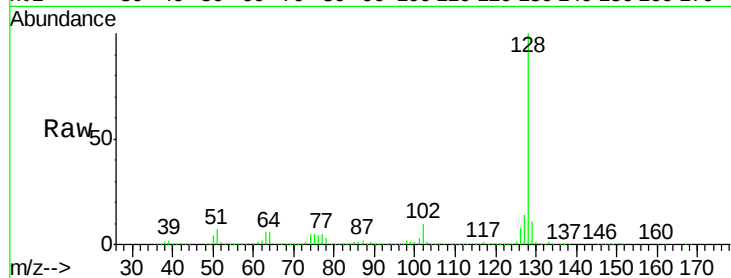
Tot Ion:128 Resp: 1525821

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

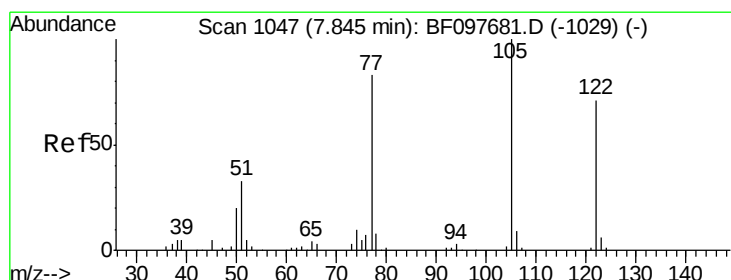
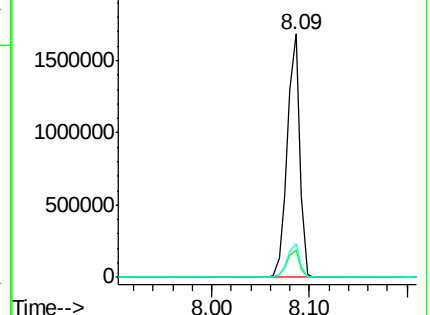
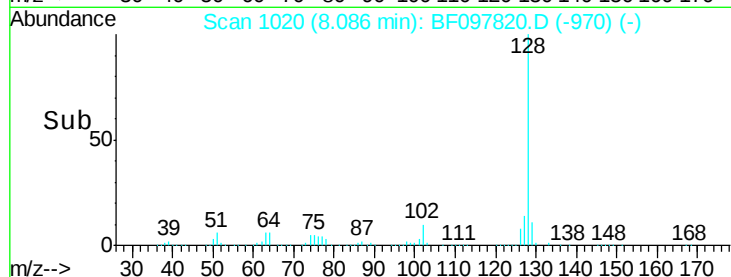
127 13.9 10.8 16.2



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: 6.56 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.00 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

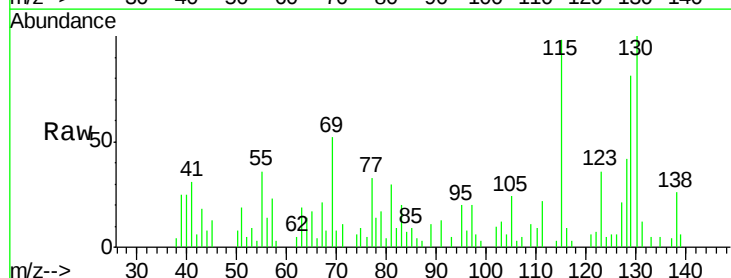
Tgt Ion:122 Resp: 979

Ion Ratio Lower Upper

122 100

105 357.1 103.3 143.3#

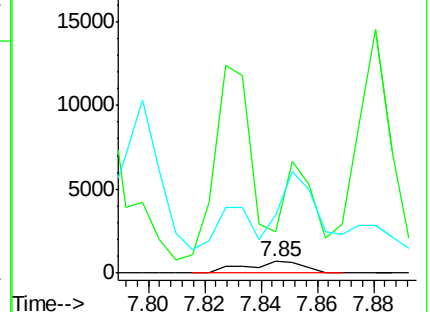
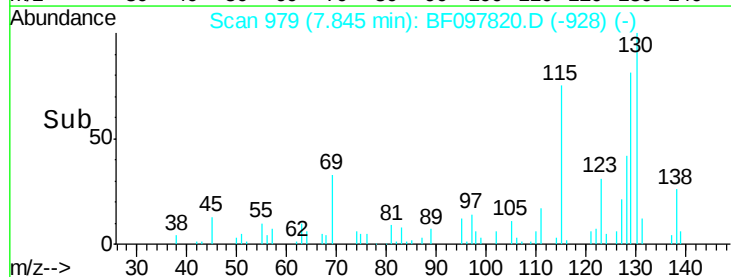
77 497.0 73.7 113.7#

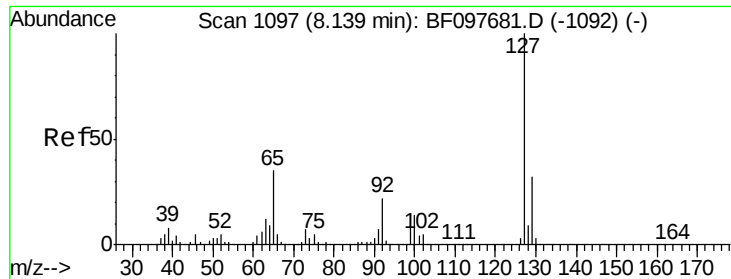


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

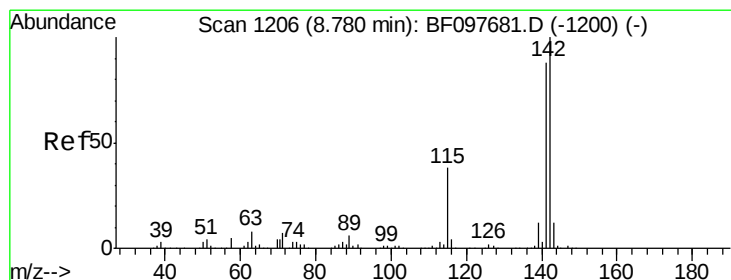
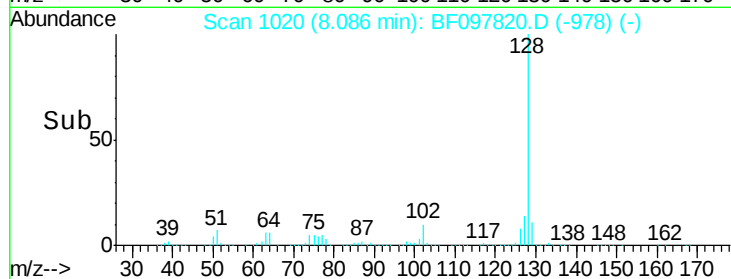
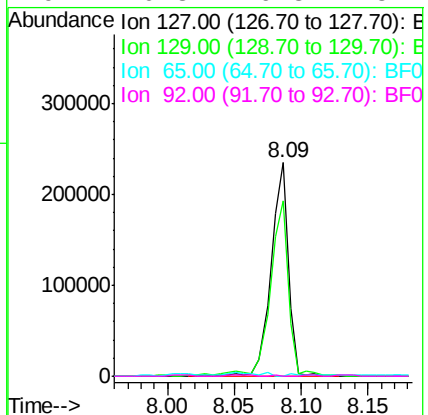
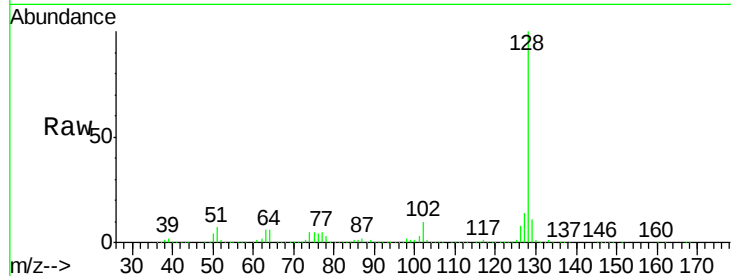




#33
 4-Chloroaniline
 Concen: 21.28 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.05 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

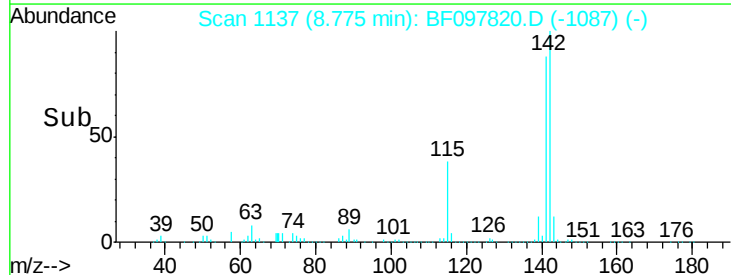
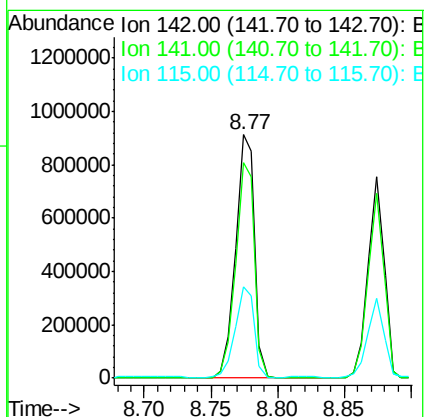
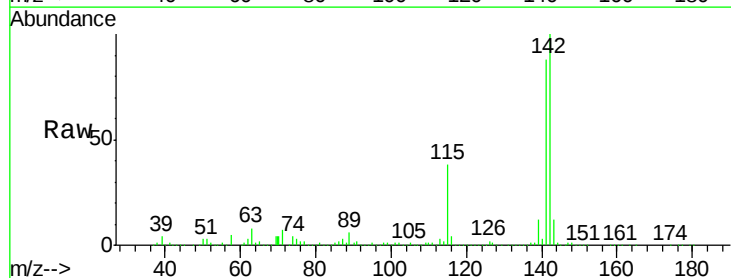
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESWDL

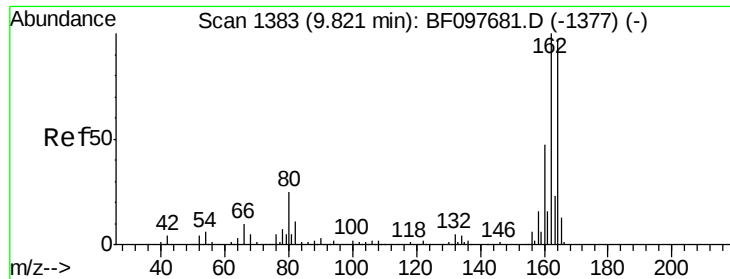
Tot Ion:	127	Resp:	214107
Ion	Ratio	Lower	Upper
127	100		
129	81.9	26.2	39.2#
65	0.0	27.8	41.8#
92	0.3	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 62.02 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

Tgt Ion:	142	Resp:	907298
Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9
115	37.7	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

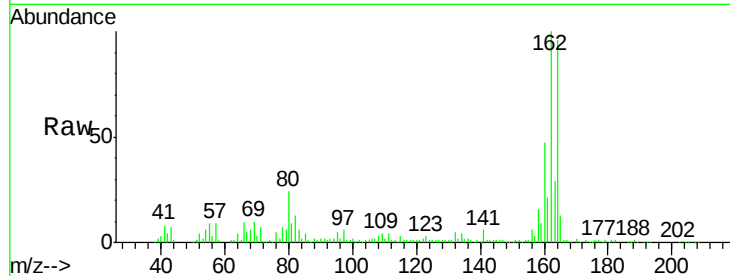
Tot Ion:164 Resp: 159072

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

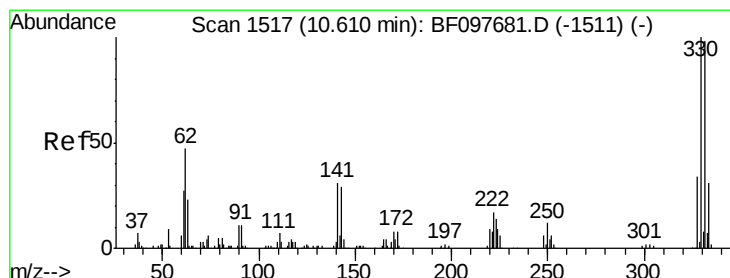
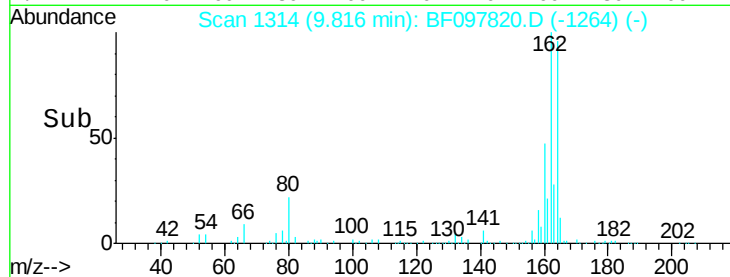
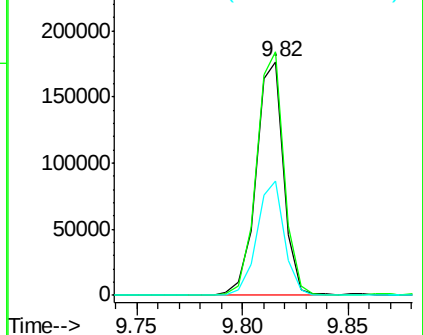
160 49.1 36.2 54.2



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: 1.46 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

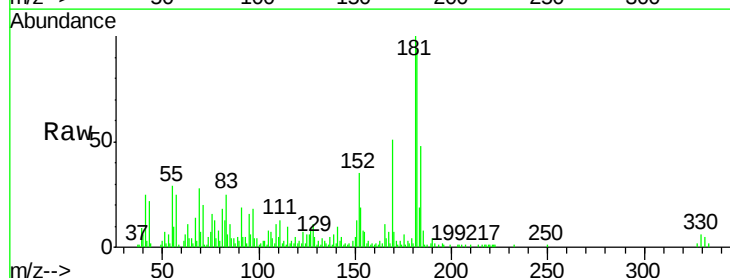
Tgt Ion:330 Resp: 2013

Ion Ratio Lower Upper

330 100

332 84.7 76.6 115.0

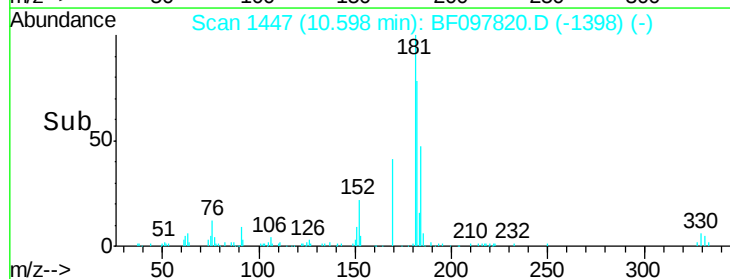
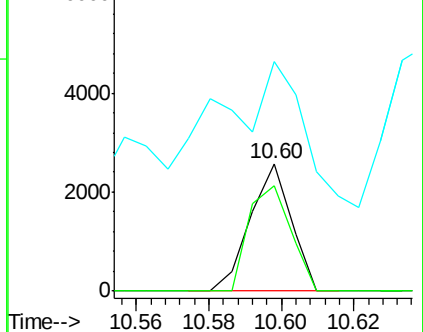
141 232.7 31.4 47.2#

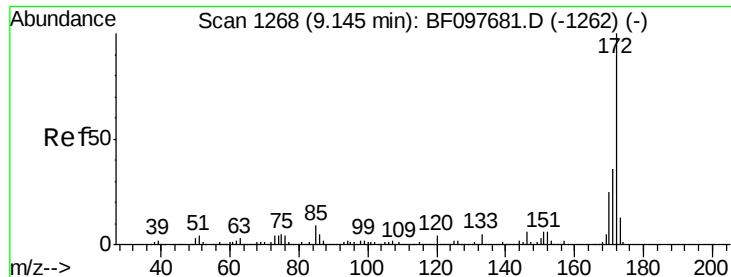


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

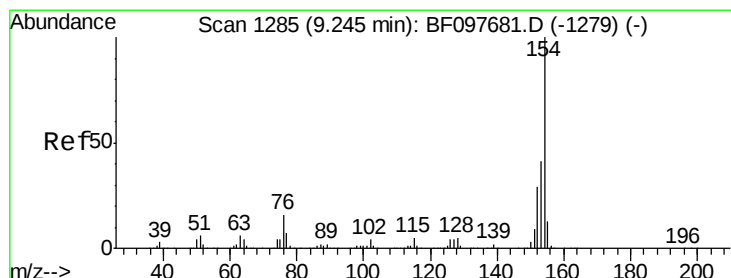
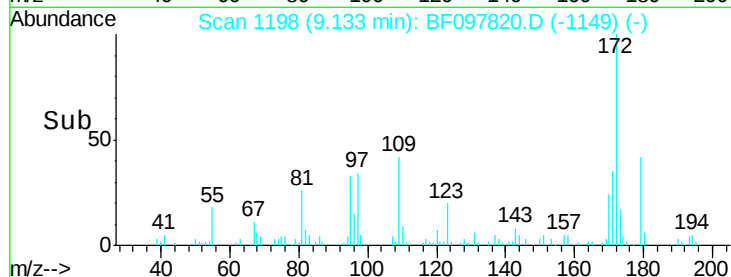
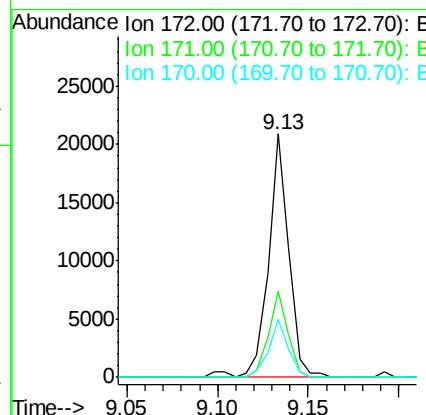
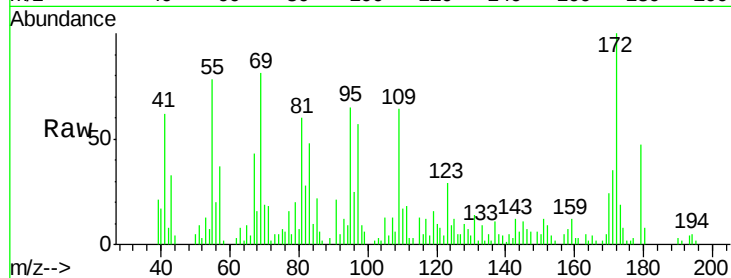




#44
 2-Fluorobiphenyl
 Concen: 1.51 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

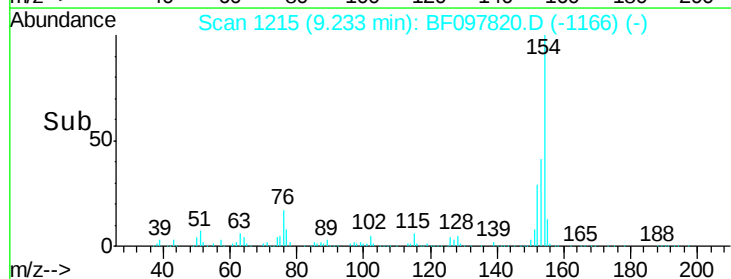
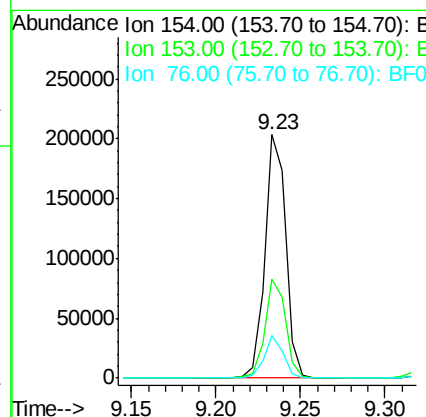
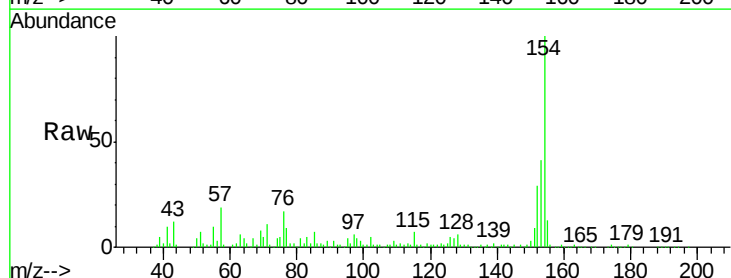
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESWDL

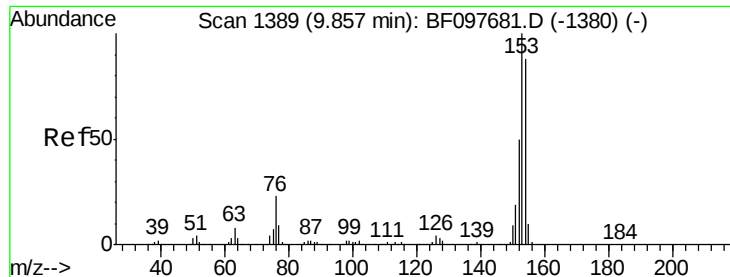
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.9	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 12.02 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF097820.D
 Acq: 18 Aug 2017 7:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.2	61.2
76	17.4	0.0	29.9





#51

Acenaphthene

Concen: 24.76 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

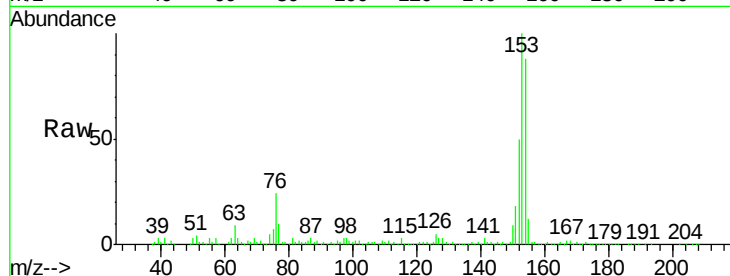
Tot Ion:154 Resp: 262836

Ion Ratio Lower Upper

154 100

153 113.6 90.5 135.7

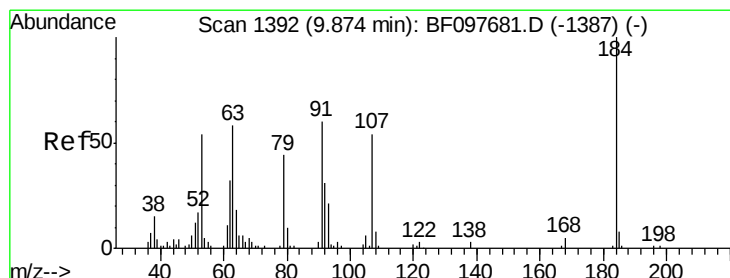
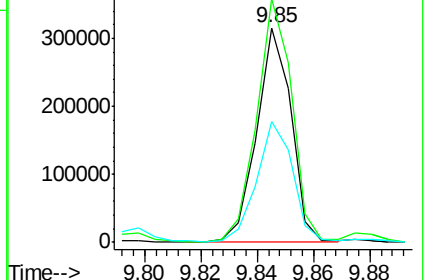
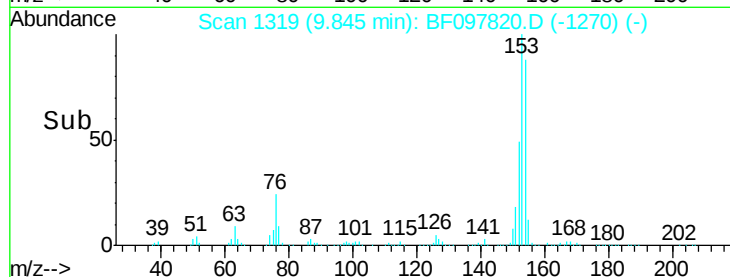
152 56.4 43.6 65.4



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



#53

2,4-Dinitrophenol

Concen: 10.23 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

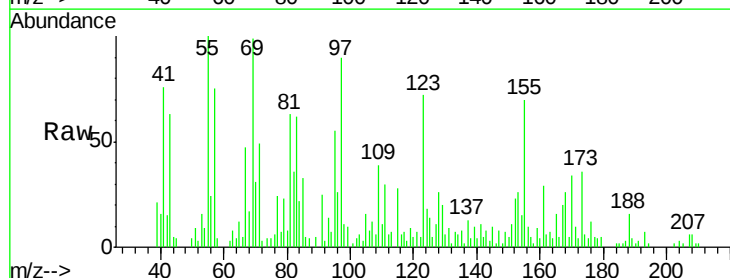
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 491.4 62.7 94.1#

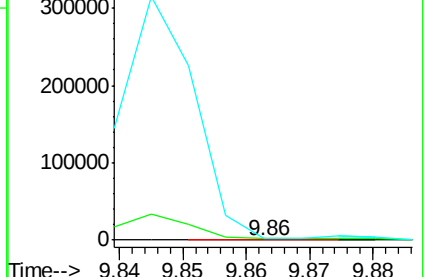
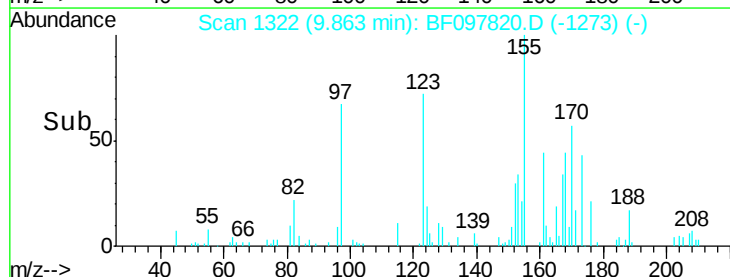
154 963.0 81.1 121.7#

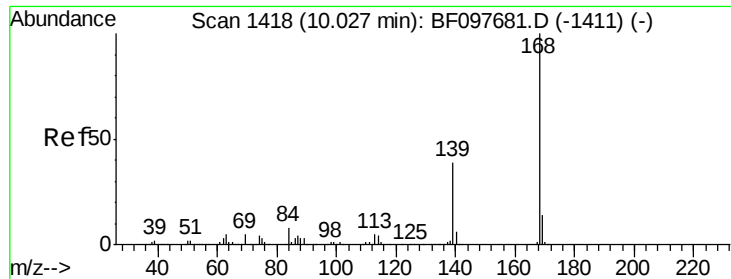


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 15.22 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

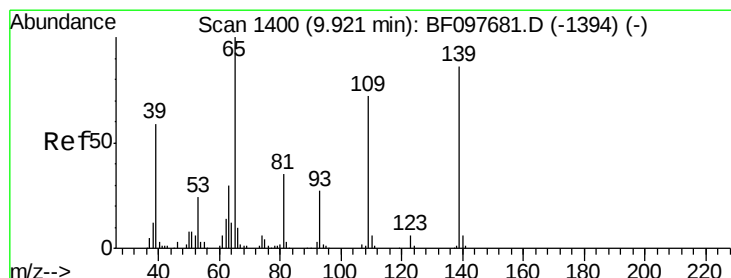
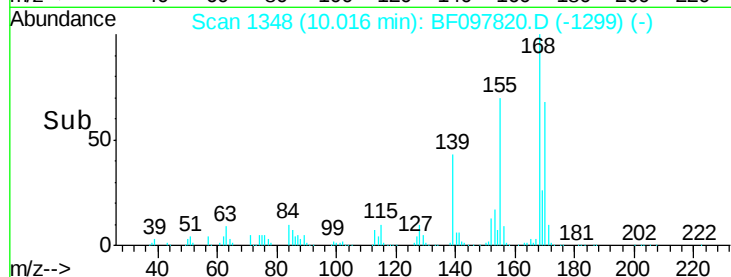
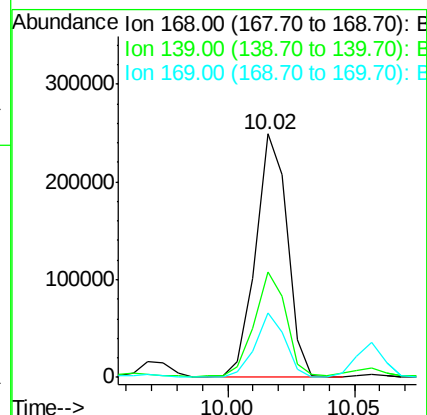
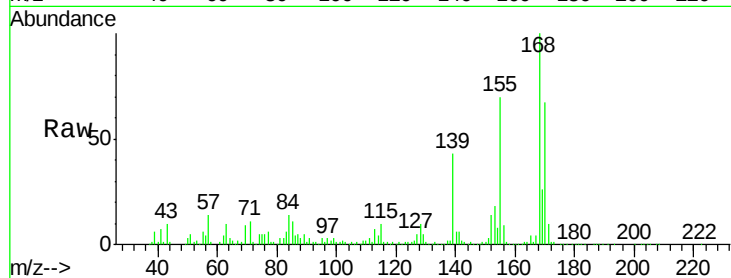
Tot Ion:168 Resp: 216509

Ion Ratio Lower Upper

168 100

139 43.3 30.6 45.8

169 26.2 10.8 16.2#



#55

4-Nitrophenol

Concen: 3.00 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.14 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

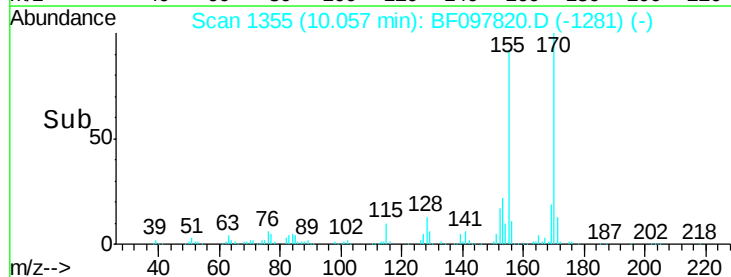
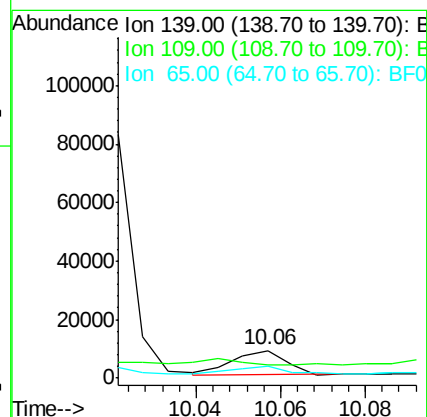
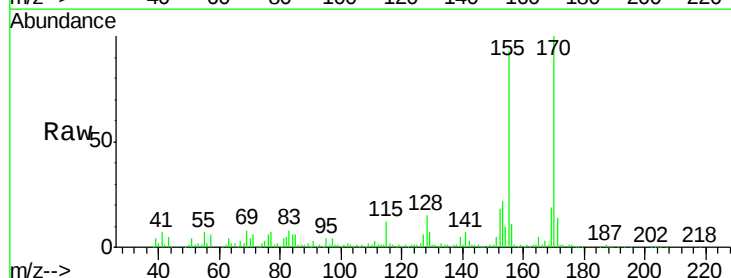
Tgt Ion:139 Resp: 7166

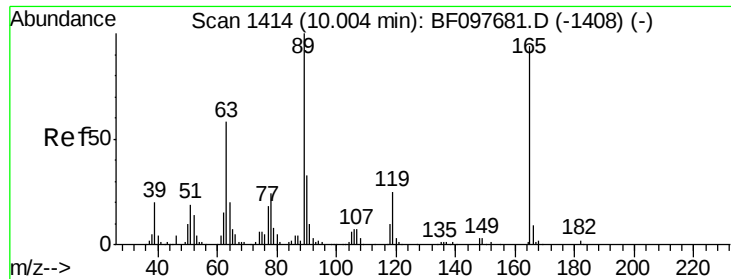
Ion Ratio Lower Upper

139 100

109 47.3 34.1 74.1

65 43.8 31.4 71.4

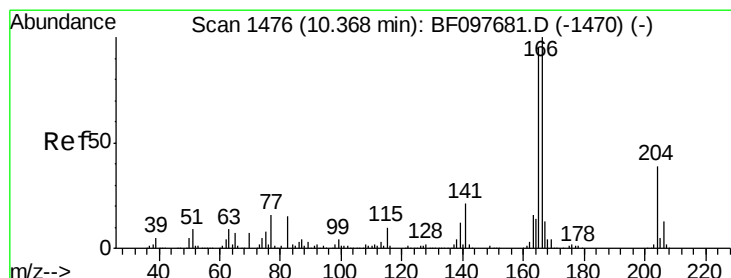
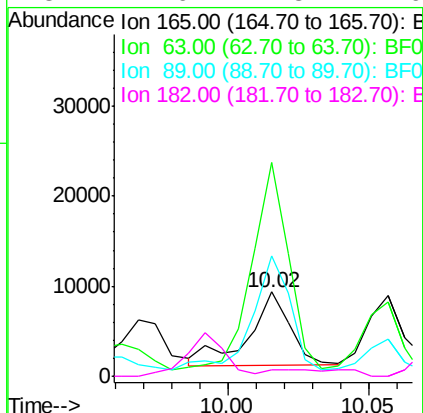
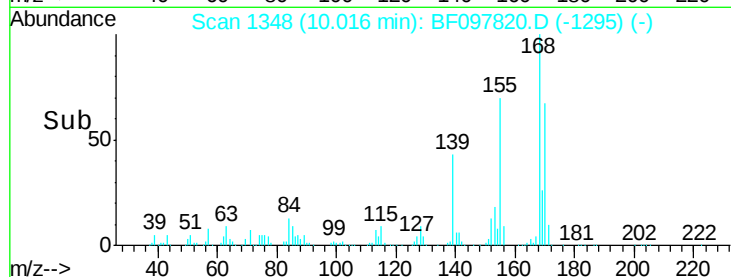
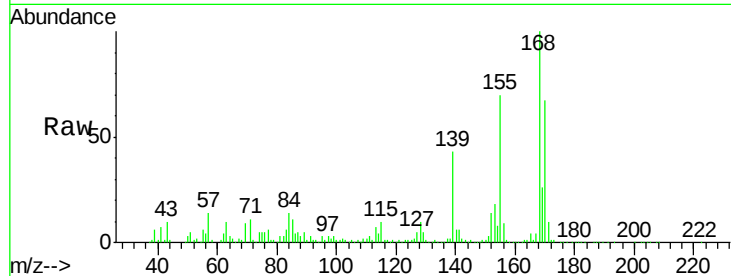




#56
2,4-Dinitrotoluene
Concen: 2.87 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

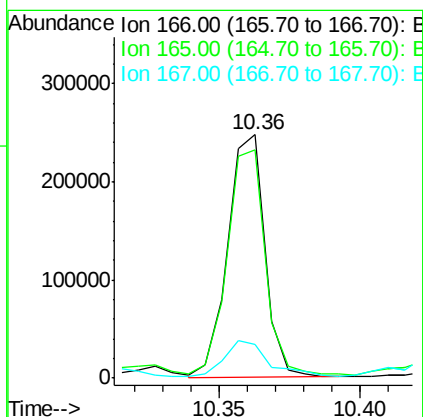
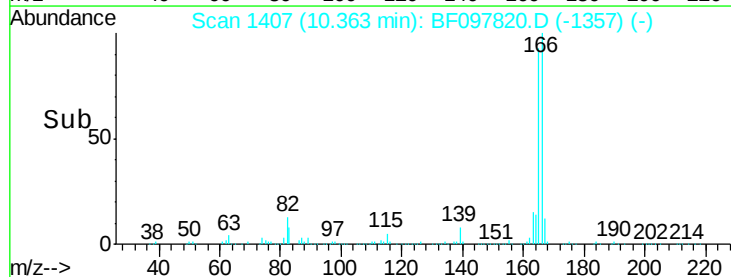
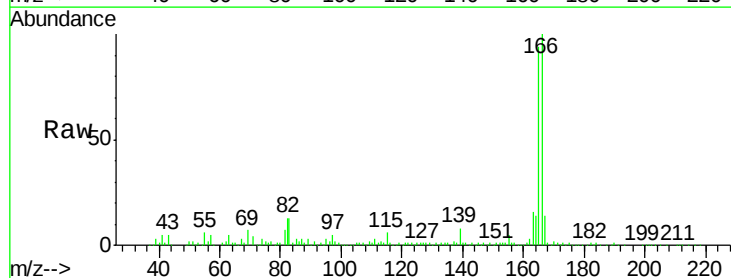
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESWDL

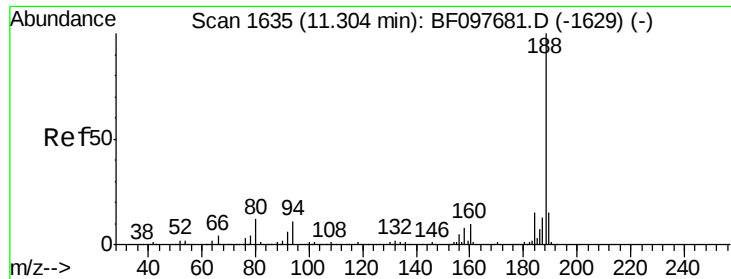
Tot Ion:165 Resp: 8357
Ion Ratio Lower Upper
165 100
63 253.8 25.4 38.0#
89 142.9 46.4 69.6#
182 7.6 1.8 2.6#



#57
Fluorene
Concen: 20.51 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Tgt Ion:166 Resp: 225649
Ion Ratio Lower Upper
166 100
165 93.5 78.8 118.2
167 13.9 10.6 16.0

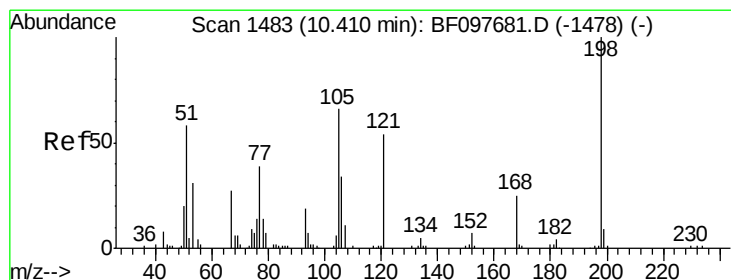
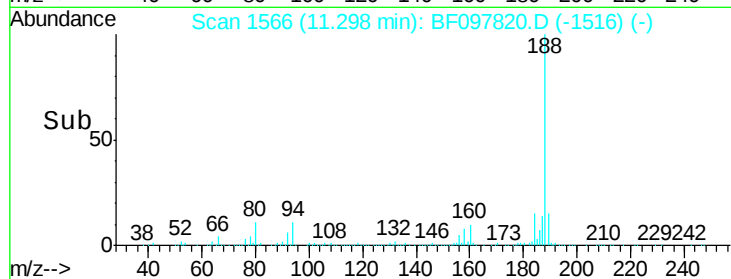
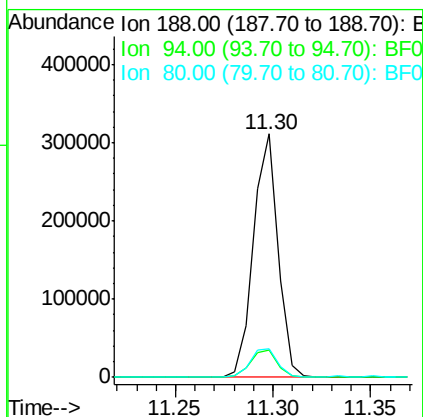
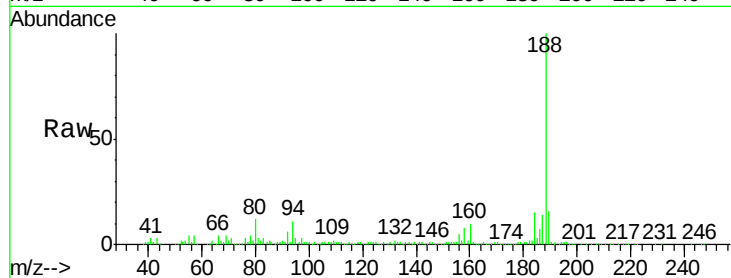




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

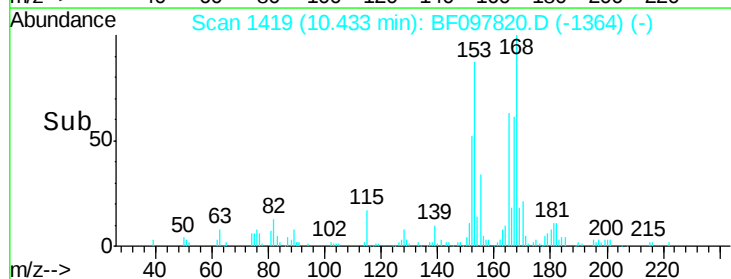
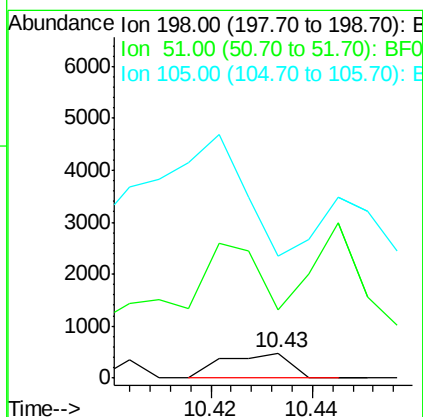
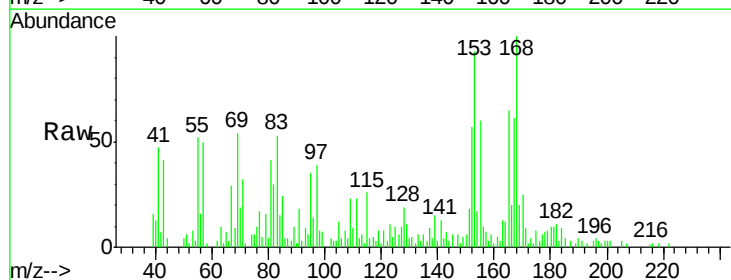
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESWDL

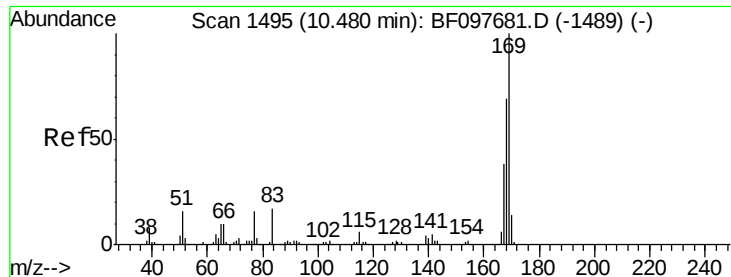
Tot Ion:188 Resp: 271078
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.6 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.60 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.02 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Tgt Ion:198 Resp: 434
Ion Ratio Lower Upper
198 100
51 278.4 53.2 93.2#
105 495.8 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 4.45 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

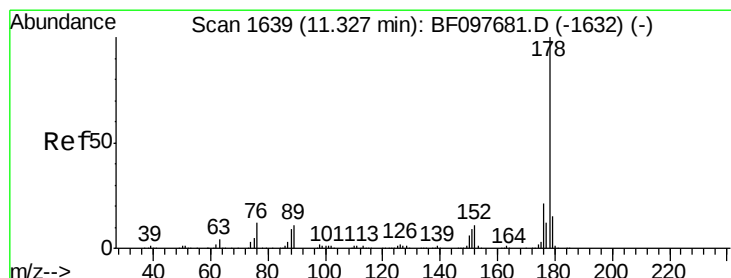
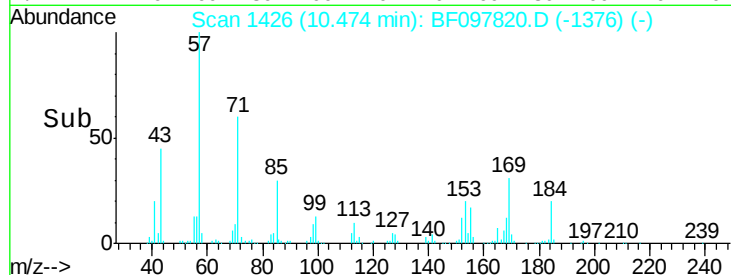
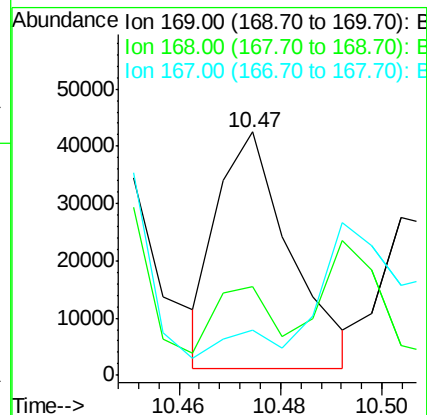
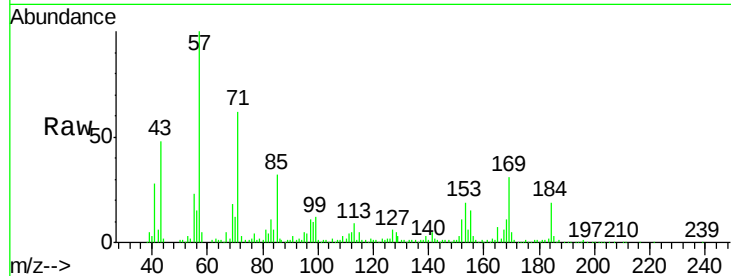
Tot Ion:169 Resp: 41059

Ion Ratio Lower Upper

169 100

168 36.2 53.2 79.8#

167 18.5 29.5 44.3#



#70

Phenanthrene

Concen: 50.73 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

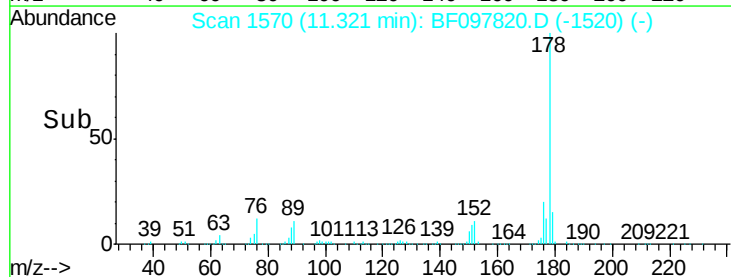
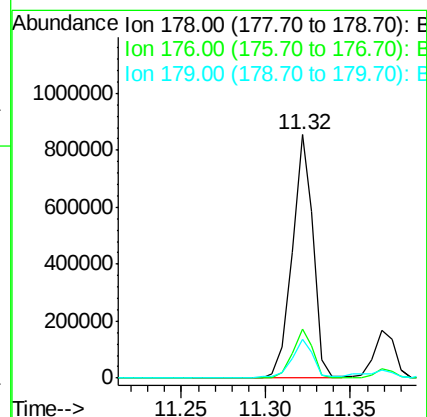
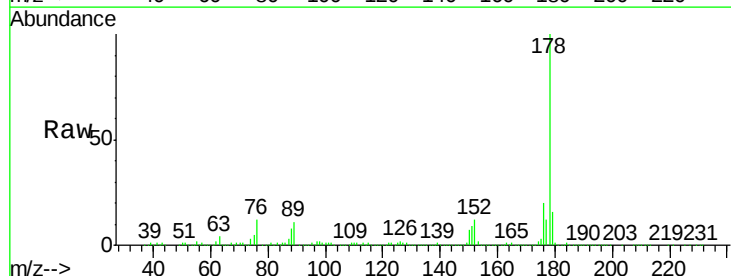
Tgt Ion:178 Resp: 732837

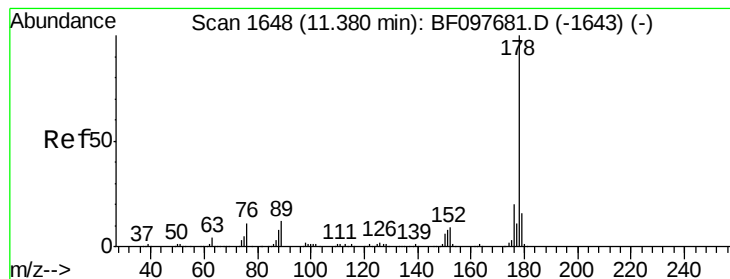
Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

179 15.8 12.6 19.0





#71

Anthracene

Concen: 9.51 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

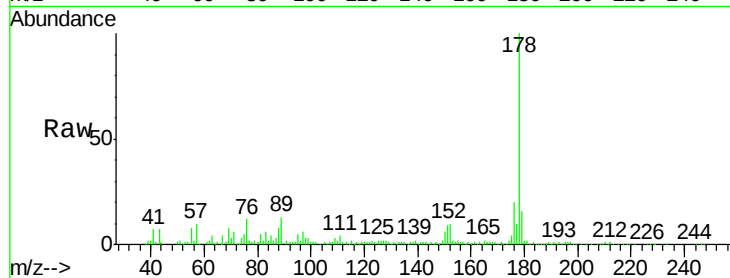
Tot Ion:178 Resp: 139295

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

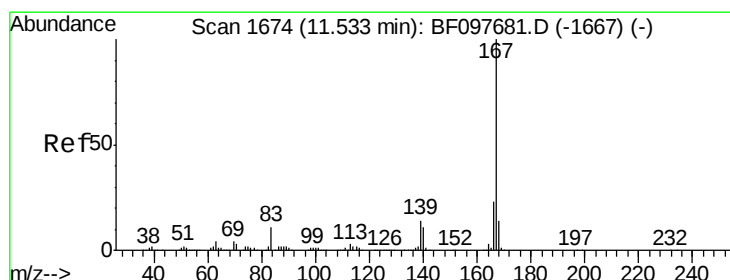
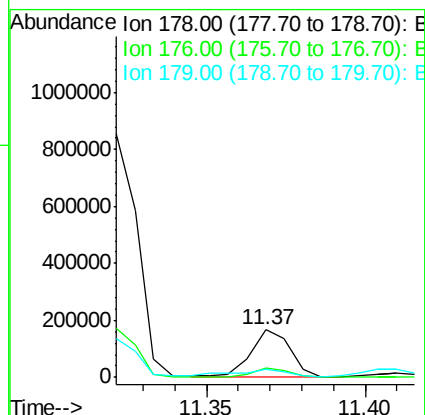
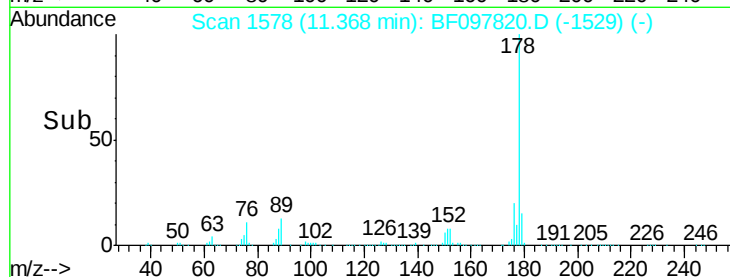
179 16.1 12.7 19.1



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



#72

Carbazole

Concen: 2.03 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

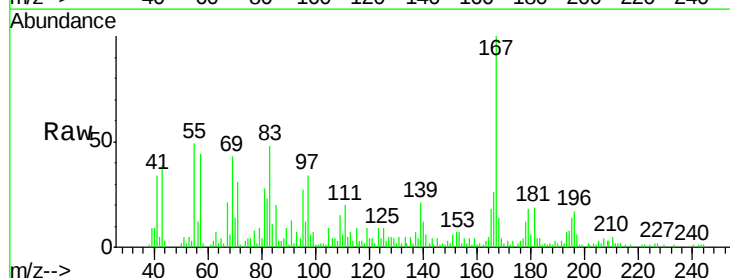
Tgt Ion:167 Resp: 28208

Ion Ratio Lower Upper

167 100

166 26.0 18.1 27.1

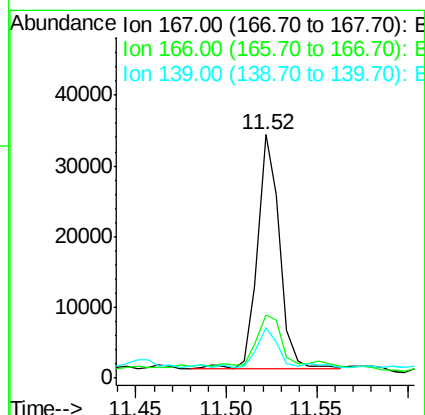
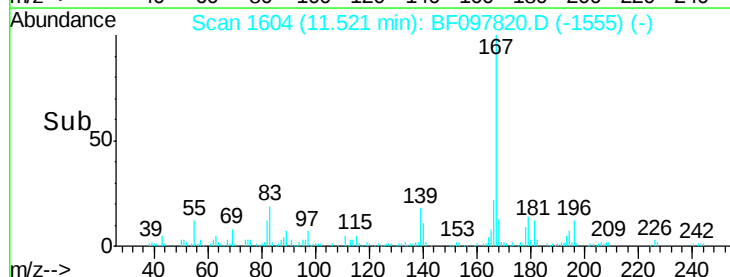
139 20.7 11.7 17.5#

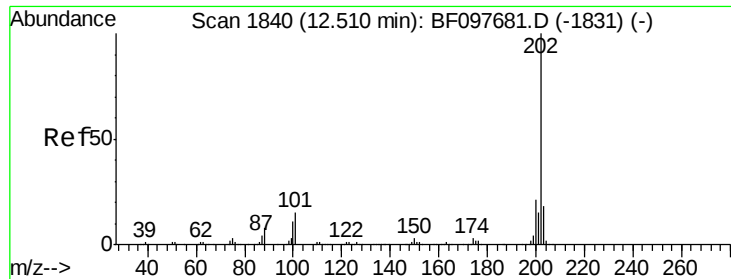


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 24.40 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampled :

E2-J10-ESWDL

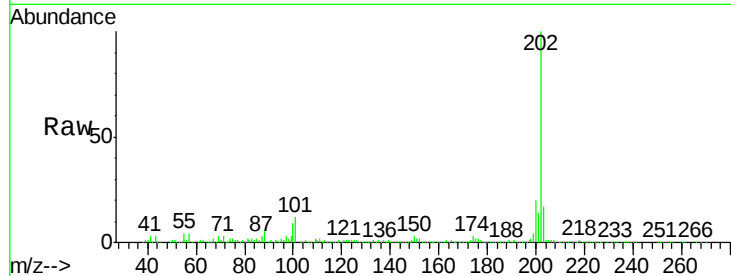
Tot Ion:202 Resp: 367907

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

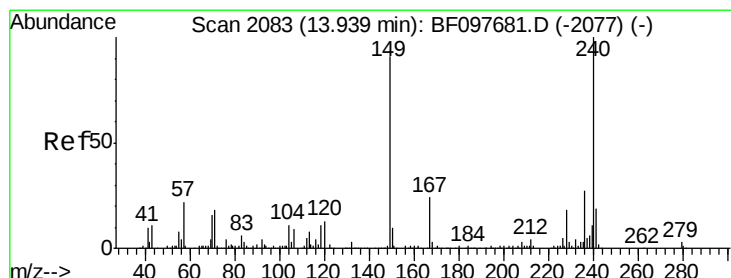
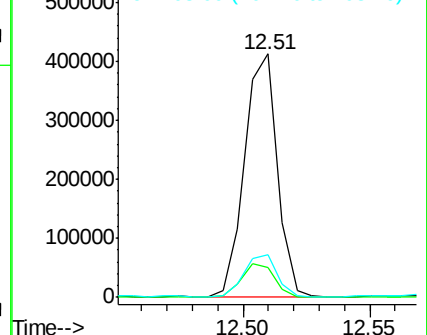
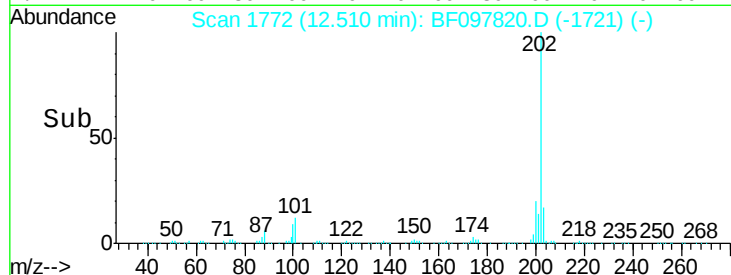
203 17.4 0.0 38.1



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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

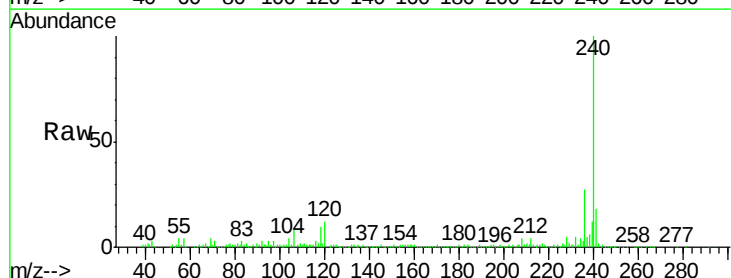
Tgt Ion:240 Resp: 281861

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

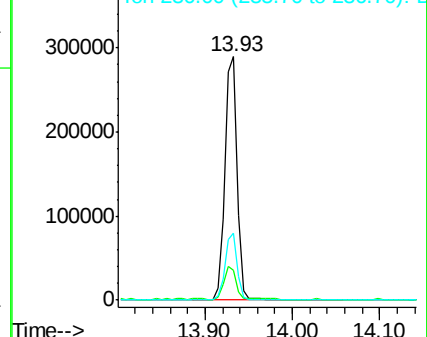
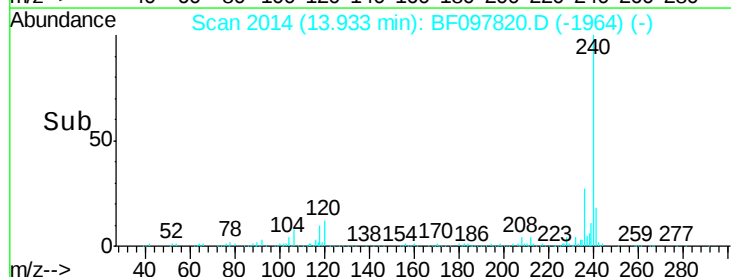
236 27.4 20.5 30.7

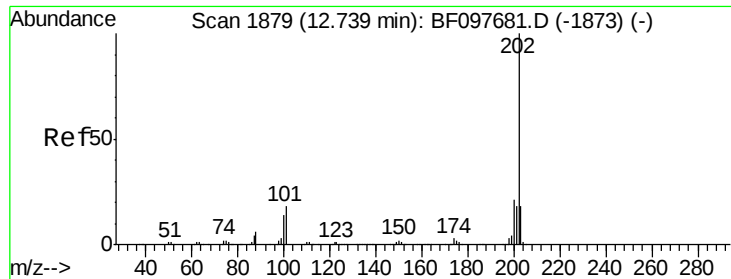


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

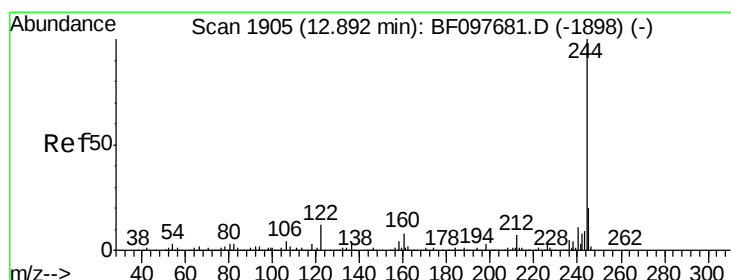
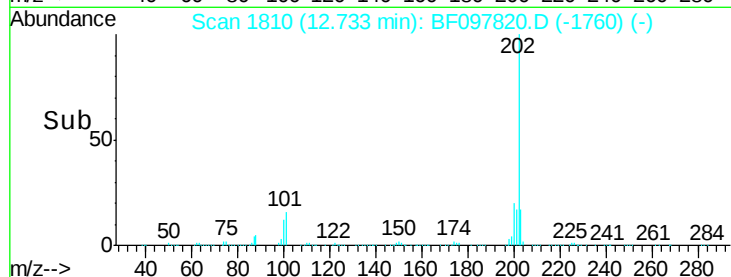
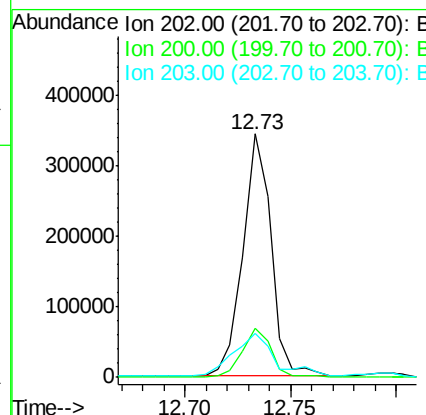
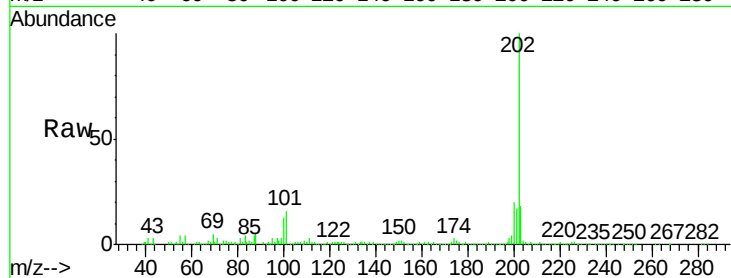




#77
Pvrene
Concen: 13.86 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

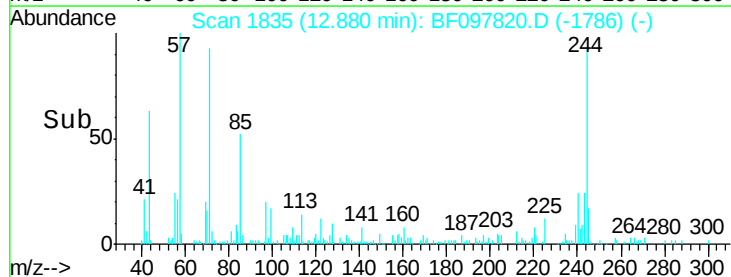
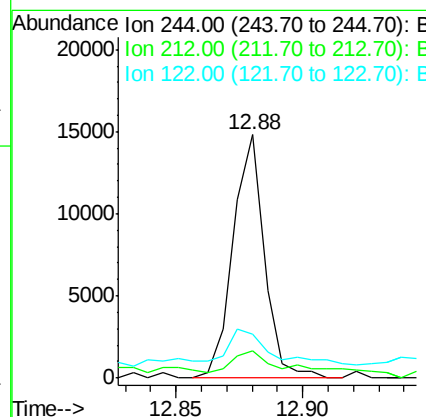
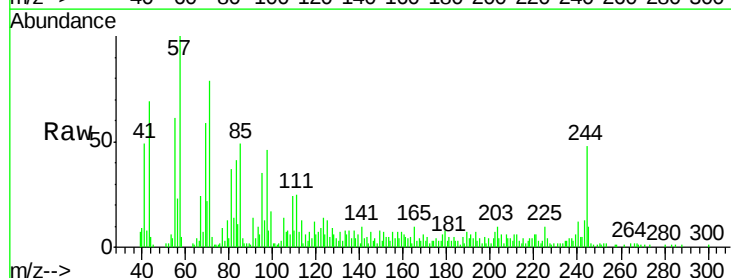
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESWDL

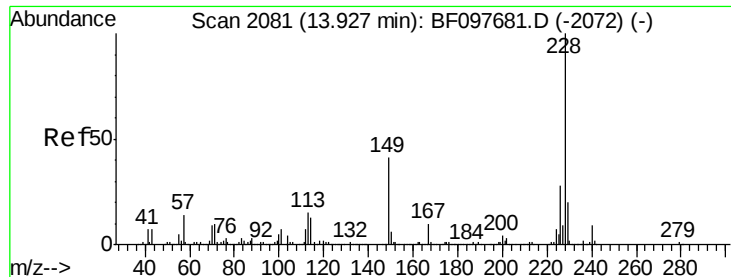
Tot Ion:202	Resp:	319595
Ion Ratio	Lower	Upper
202	100	
200	20.0	17.6 26.4
203	18.2	14.4 21.6



#78
Terphenyl-d14
Concen: 0.94 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Tgt Ion:244	Resp:	12726
Ion Ratio	Lower	Upper
244	100	
212	11.4	6.0 9.0#
122	18.2	10.3 15.5#

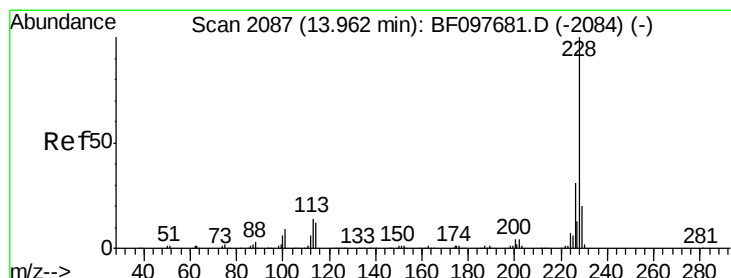
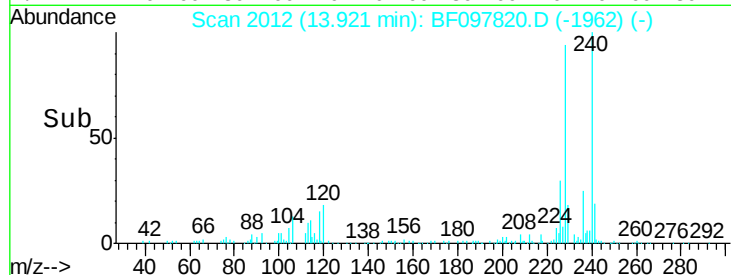
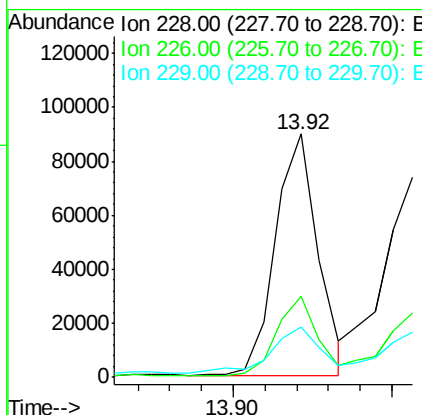
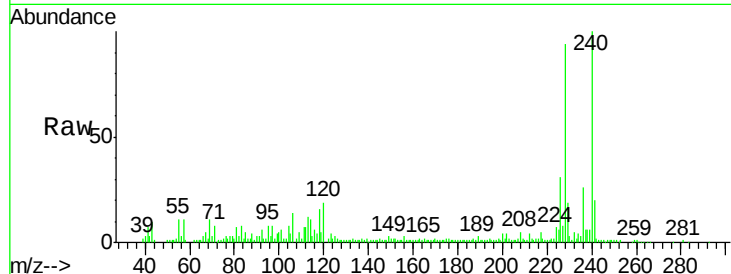




#80
Benzo(a)anthracene
Concen: 4.94 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

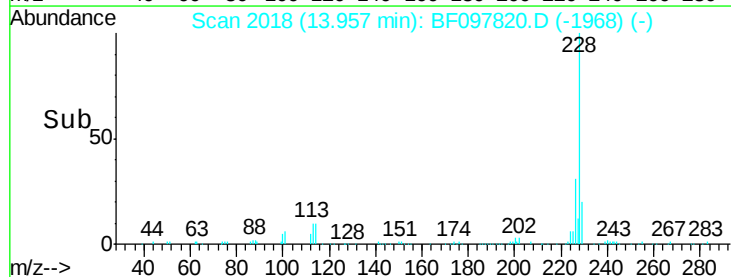
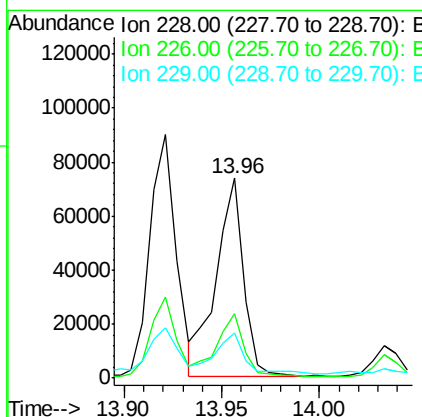
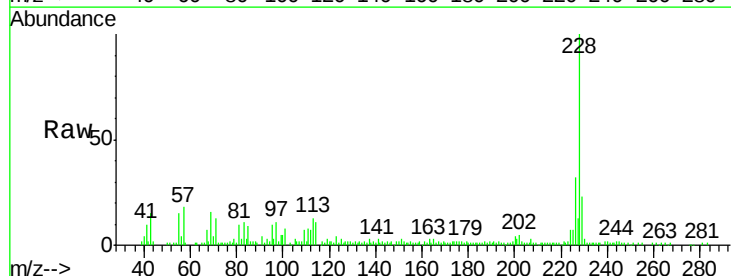
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESWDL

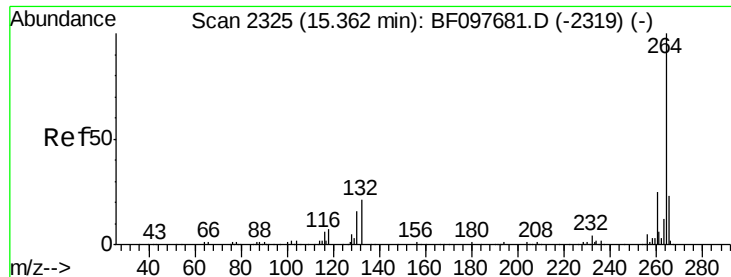
Tot Ion:228	Resp:	83391
Ion Ratio	Lower	Upper
228	100	
226	33.3	22.6 33.8
229	20.6	16.3 24.5



#82
Chrysene
Concen: 4.29 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Tgt Ion:228	Resp:	72063
Ion Ratio	Lower	Upper
228	100	
226	32.0	24.9 37.3
229	22.6	15.8 23.6



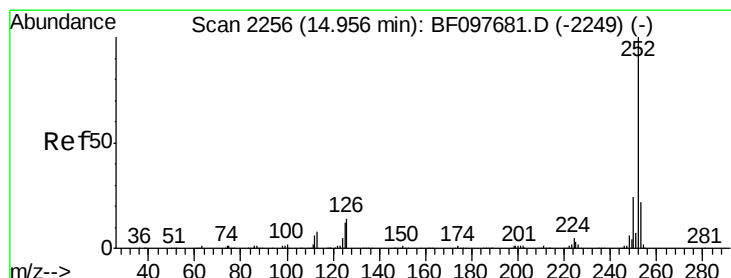
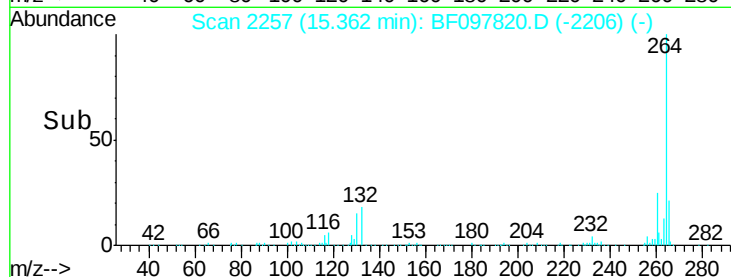
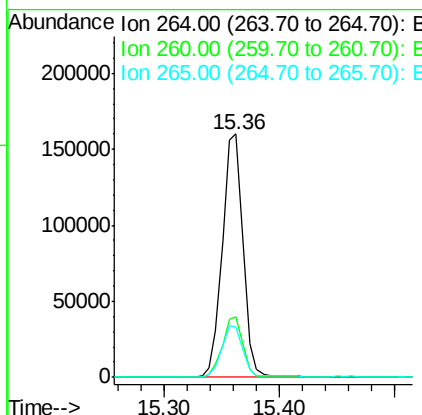
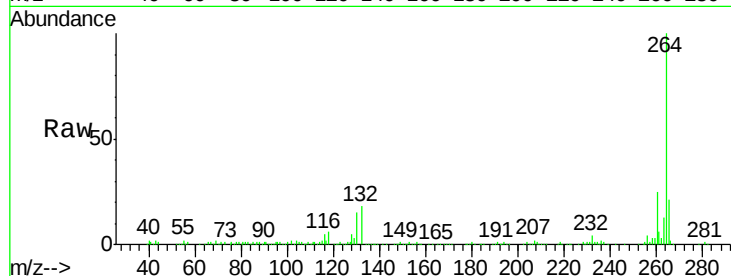


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Instrument :
BNA_F
ClientSampleId :
E2-J10-ESWDL

Tot Ion:264 Resp: 199396

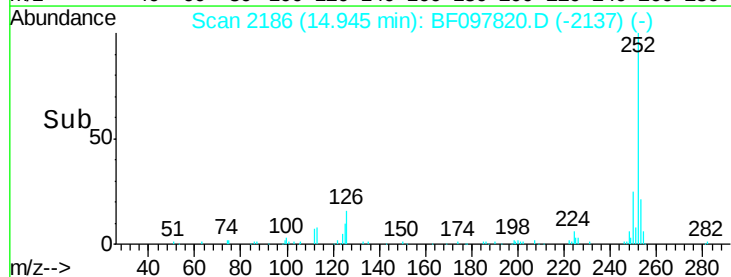
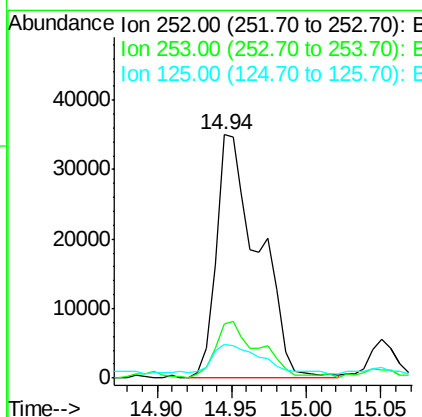
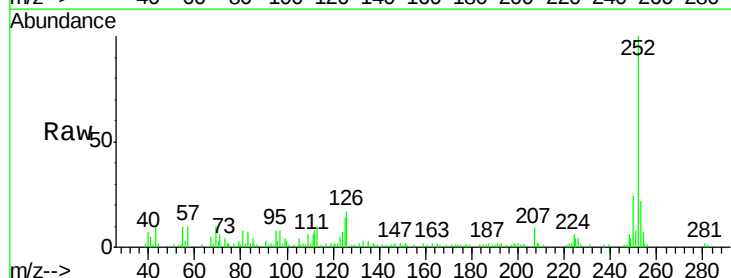
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	20.8	17.2	25.8

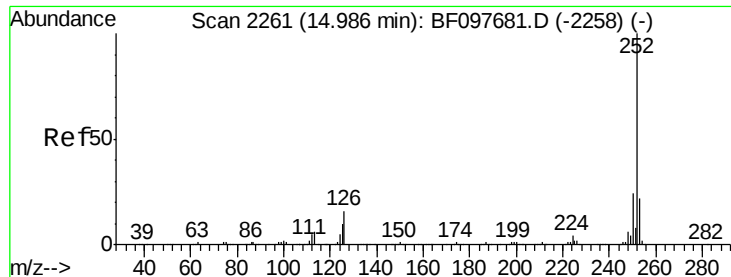


#87
Benzo(b)fluoranthene
Concen: 5.49 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Tgt Ion:252 Resp: 68957

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.0	9.8	14.8

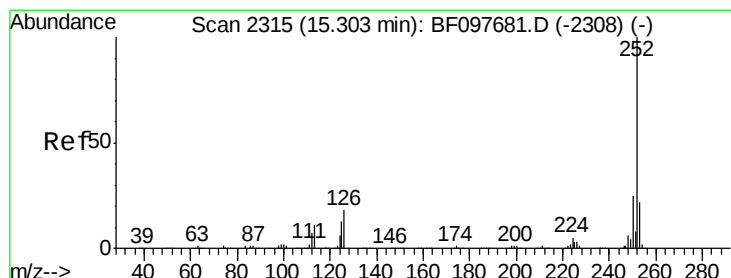
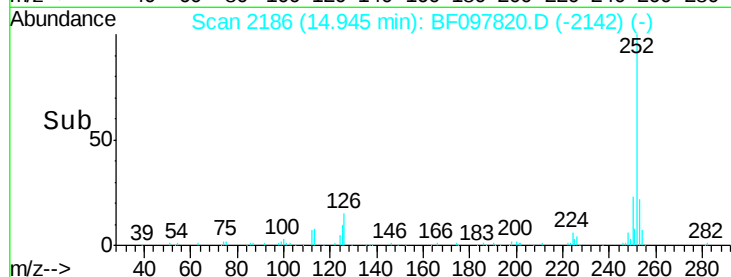
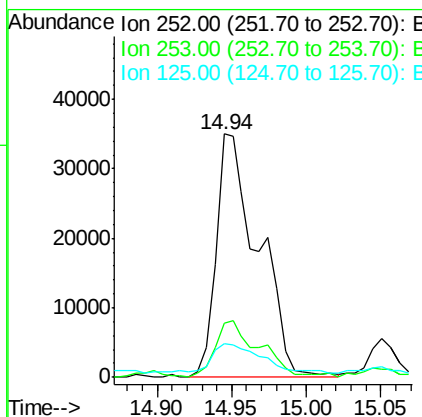
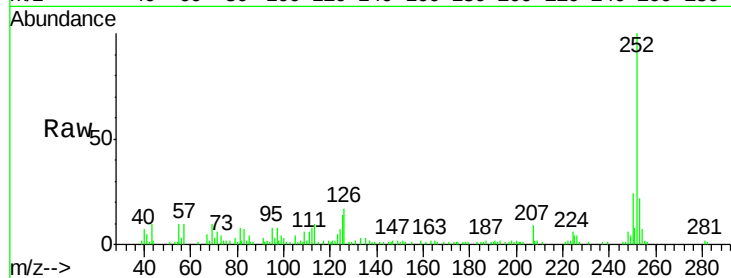




#88
Benzo(k)fluoranthene
Concen: 5.84 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

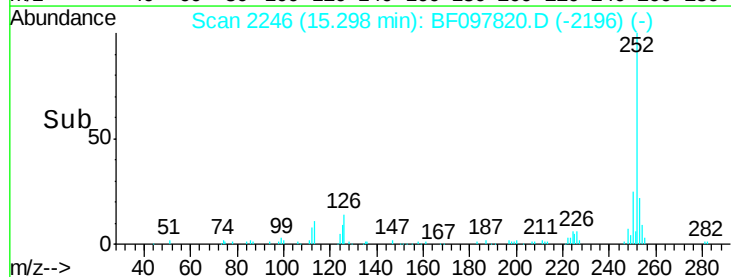
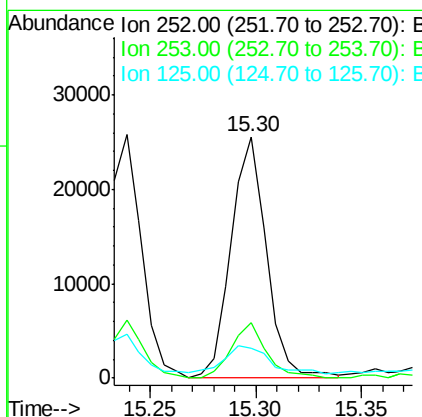
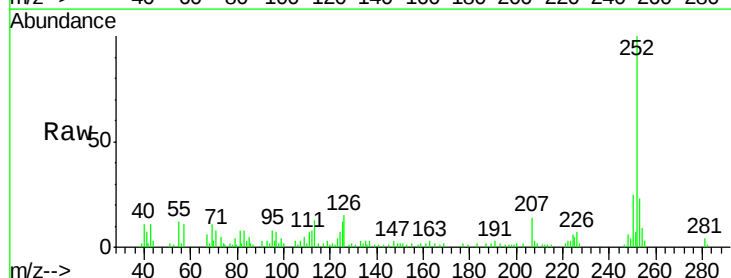
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESWDL

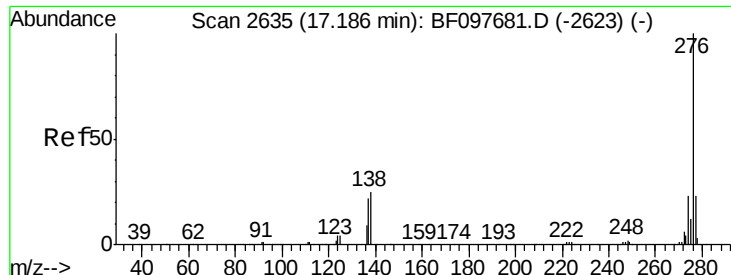
Tot Ion:252 Resp: 68957
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 14.0 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.67 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097820.D
Acq: 18 Aug 2017 7:53

Tgt Ion:252 Resp: 29688
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 12.3 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 2.23 ng

RT: 17.17 min Scan# 2564

Delta R.T. -0.02 min

Lab File: BF097820.D

Acq: 18 Aug 2017 7:53

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESWDL

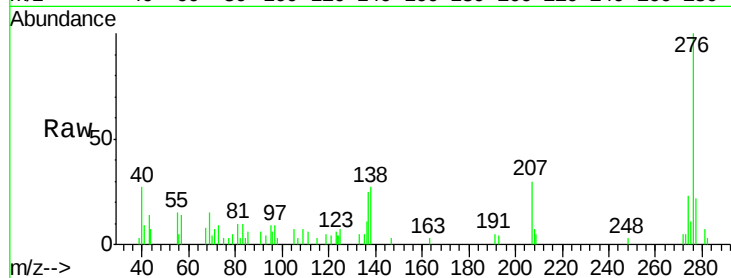
Tot Ion:276 Resp: 21073

Ion Ratio Lower Upper

276 100

277 21.8 18.6 28.0

138 27.2 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

