

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097775.D
 Acq On : 17 Aug 2017 8:42
 Operator : SJ/JU
 Sample : I4773-01 10X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

Quant Time: Aug 17 14:54:26 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	6.78	152	152296	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	528614	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	219460	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	312454	20.00	ng	0.00
75) Chrysene-d12	13.94	240	285188	20.00	ng	0.00
86) Perylene-d12	15.37	264	260123	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	104831	10.47	ng	-0.01
7) Phenol-d6	6.40	99	142972	10.51	ng	-0.01
23) Nitrobenzene-d5	7.34	82	89599	9.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	14497	7.61	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	103029	6.90	ng	0.00
78) Terphenyl-d14	12.89	244	52893	3.87	ng	0.00

Target Compounds

						Qvalue
12) 1,3-Dichlorobenzene	6.72	146	201658	17.755	ng	# 94
13) 1,4-Dichlorobenzene	6.80	146	647188	56.026	ng	# 93
14) 1,2-Dichlorobenzene	6.95	146	475289	44.623	ng	# 99
16) 2,2'-oxybis(1-Chloropropan	7.27	45	81599	5.050	ng	# 1
18) Hexachloroethane	7.27	117	11630	2.568	ng	# 1
22) Acetophenone	7.18	105	75130	5.380	ng	# 48
26) 2-Nitrophenol	7.69	139	2573	5.842	ng	# 1
30) 1,2,4-Trichlorobenzene	8.02	180	141602	18.235	ng	# 98
31) Naphthalene	8.11	128	5635146	205.340	ng	# 98
32) Benzoic acid	7.86	122	6289	7.291	ng	# 1
33) 4-Chloroaniline	8.11	127	817339	70.620	ng	# 34
35) Caprolactam	8.54	113	4943	2.076	ng	# 1
37) 2-Methylnaphthalene	8.80	142	3413280	202.869	ng	# 96
45) 1,1'-Biphenyl	9.25	154	955405	47.740	ng	# 97
47) 2-Nitroaniline	9.35	65	15865	3.200	ng	# 44
48) Acenaphthylene	9.69	152	120940	5.208	ng	# 40
51) Acenaphthene	9.87	154	1263909	86.303	ng	# 96
52) 3-Nitroaniline	9.78	138	10513	2.545	ng	# 14
53) 2,4-Dinitrophenol	9.88	184	1071	10.756	ng	# 1
54) Dibenzofuran	10.04	168	1033976	52.680	ng	# 93
55) 4-Nitrophenol	10.07	139	34403	10.439	ng	# 86
56) 2,4-Dinitrotoluene	10.03	165	27758	6.907	ng	# 1
57) Fluorene	10.38	166	1130439	74.494	ng	# 97
61) 4-Nitroaniline	10.29	138	12452	3.171	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.41	198	1581	9.208	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	256085	24.068	ng	# 66
70) Phenanthrene	11.35	178	2876709	172.778	ng	# 99
71) Anthracene	11.39	178	660186	39.094	ng	# 100
72) Carbazole	11.53	167	138692	8.652	ng	# 92
74) Fluoranthene	12.53	202	1420709	81.751	ng	# 99
77) Pyrene	12.76	202	1239896	53.157	ng	# 98
80) Benzo(a)anthracene	13.93	228	410736	24.030	ng	# 94
82) Chrysene	13.97	228	315863	18.577	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.76	276	89618	7.165	ng	# 90

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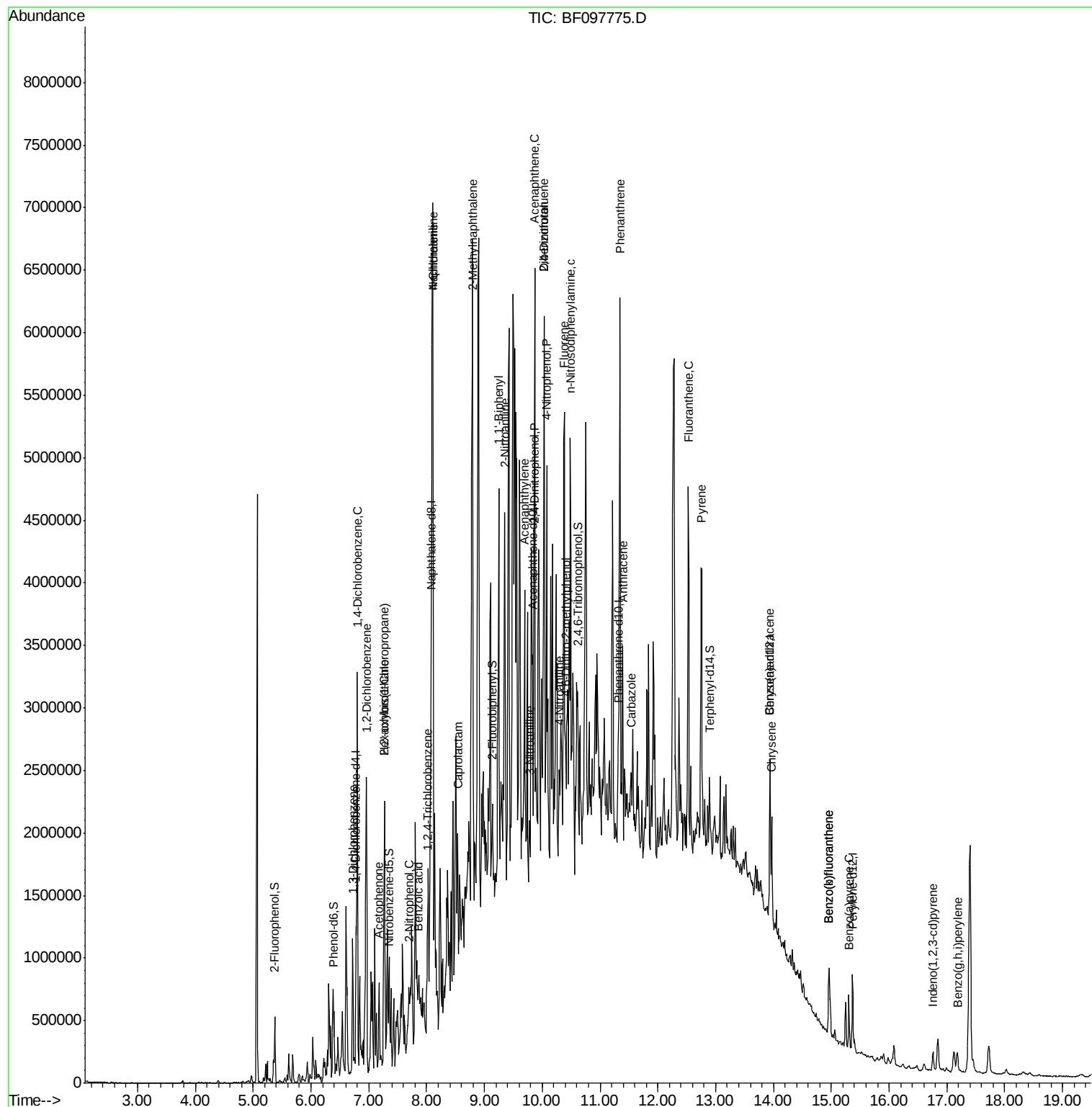
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	14.96	252	405568	24.735	ng	98
88) Benzo(k)fluoranthene	14.96	252	405568	26.328	ng	98
89) Benzo(a)pyrene	15.30	252	178368	12.288	ng	100
91) Benzo(g,h,i)perylene	17.18	276	120905	9.806	ng	96

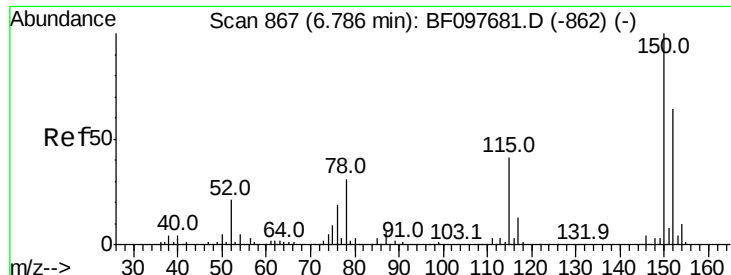
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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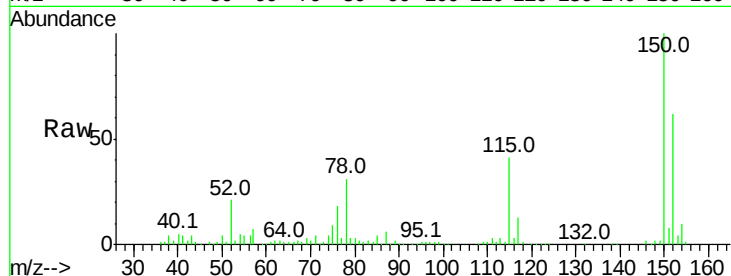


#1

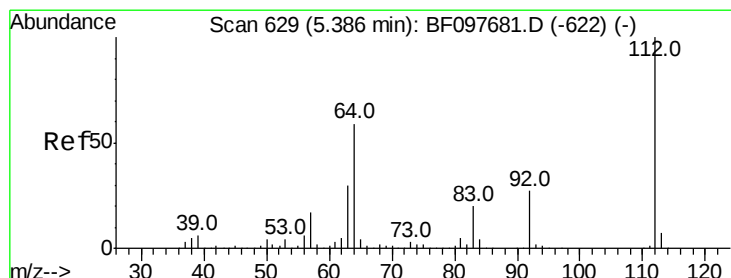
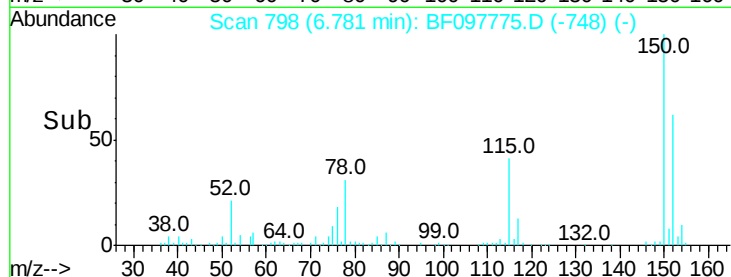
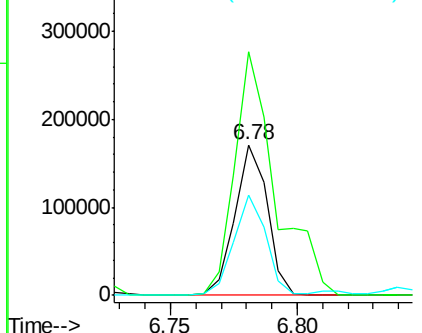
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	126.2	189.2
115	66.5	52.2	78.2



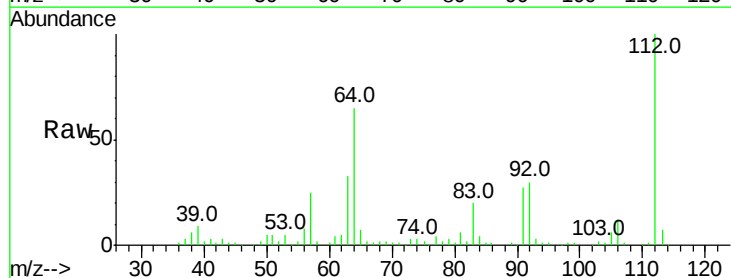
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



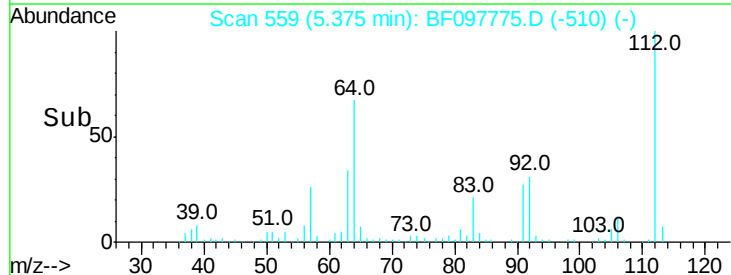
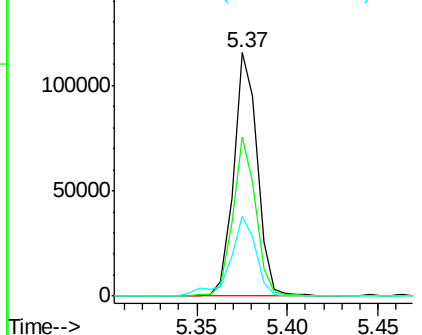
#5

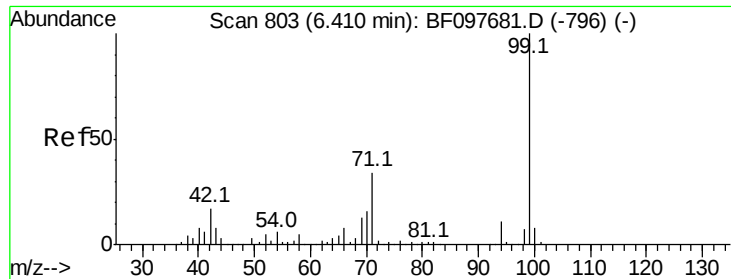
2-Fluorophenol
 Concen: 10.470 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	46.0	69.0
63	32.6	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: 10.510 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

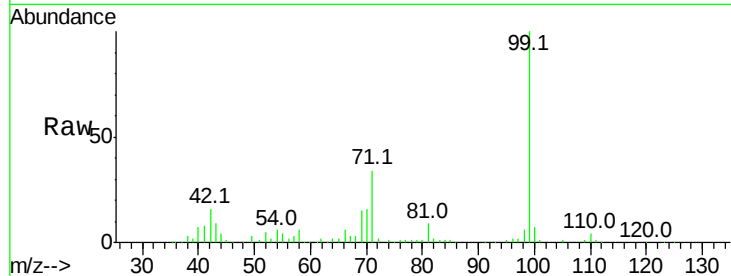
Tot Ion: 99 Resp: 142972

Ion Ratio Lower Upper

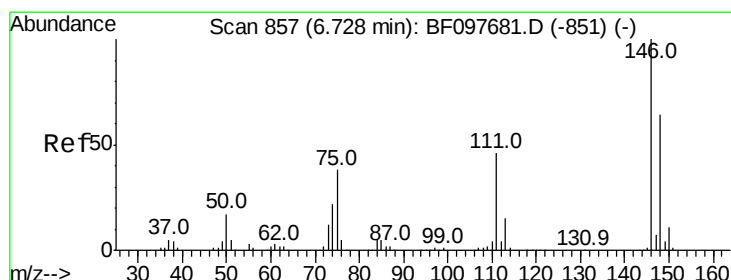
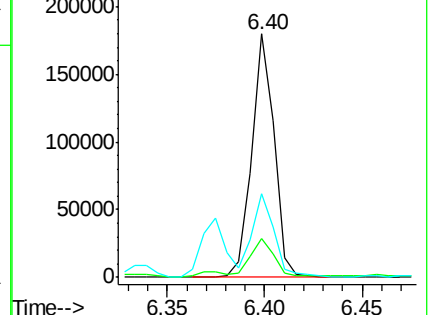
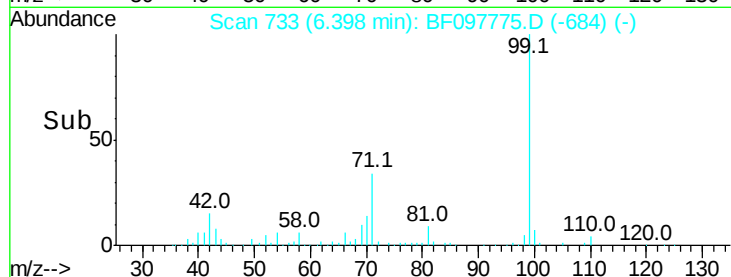
99 100

42 15.9 13.5 20.3

71 34.4 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



#12

1,3-Dichlorobenzene

Concen: 17.755 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

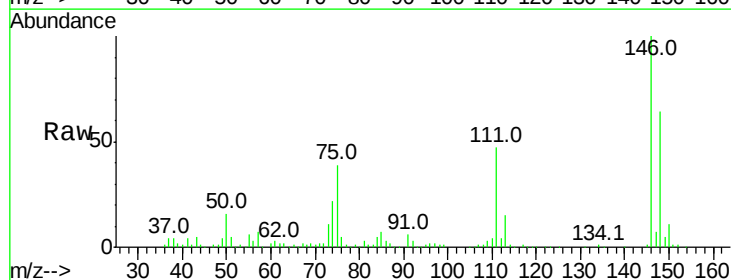
Tgt Ion: 146 Resp: 201658

Ion Ratio Lower Upper

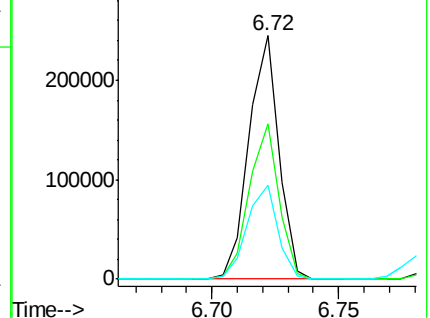
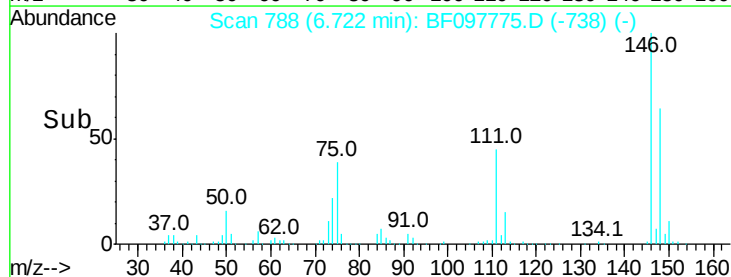
146 100

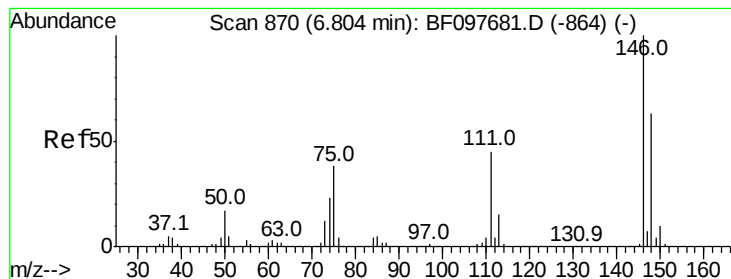
148 63.7 51.8 77.6

75 38.6 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: 56.026 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

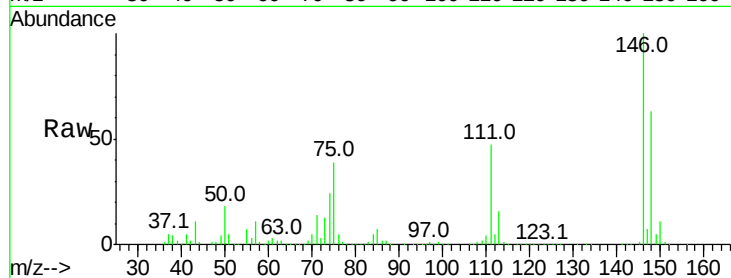
Tot Ion:146 Resp: 647188

Ion Ratio Lower Upper

146 100

148 63.4 52.2 78.2

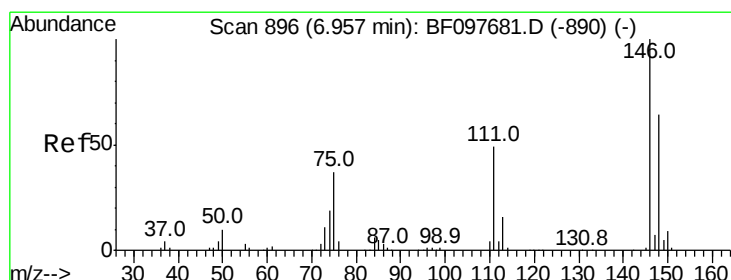
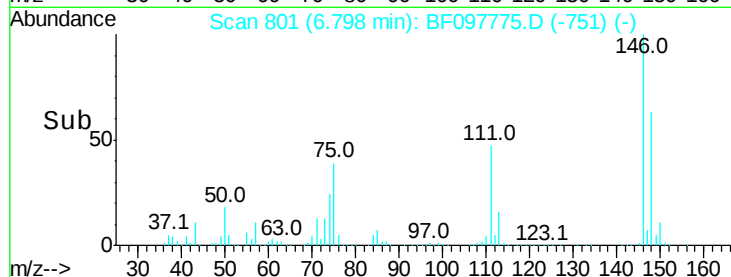
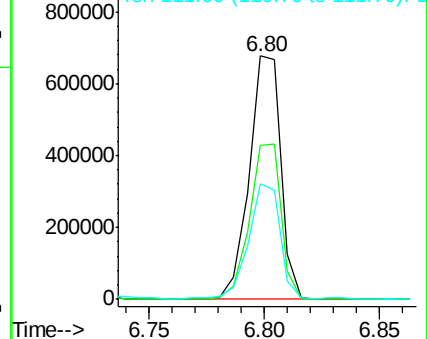
111 47.5 30.3 45.5#



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: 44.623 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

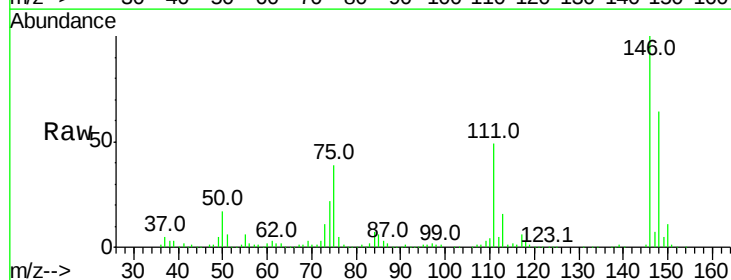
Tgt Ion:146 Resp: 475289

Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

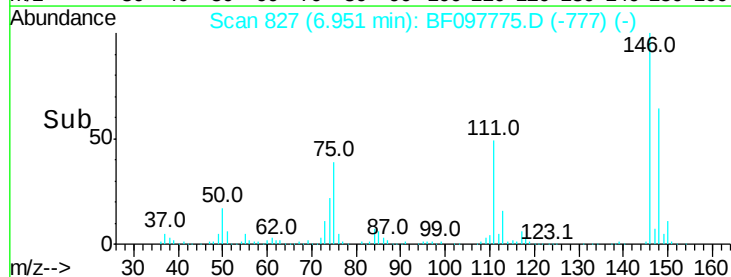
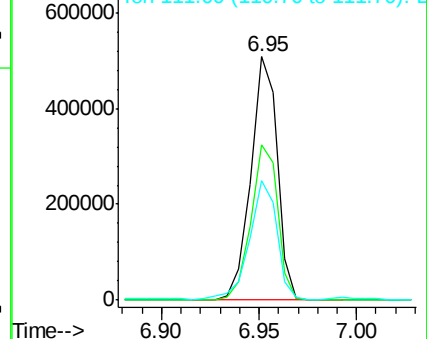
111 49.1 38.2 57.4

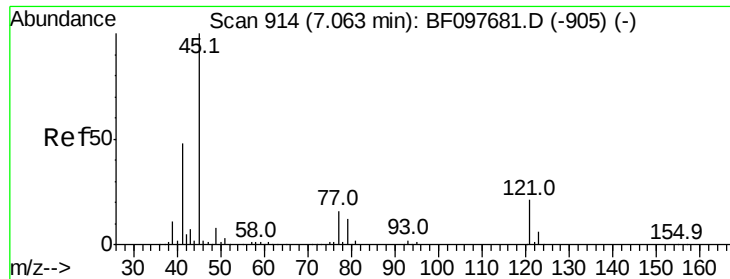


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

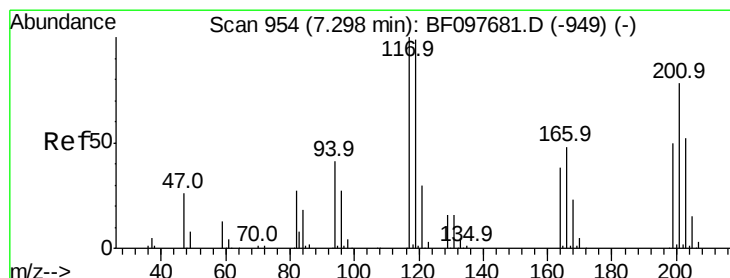
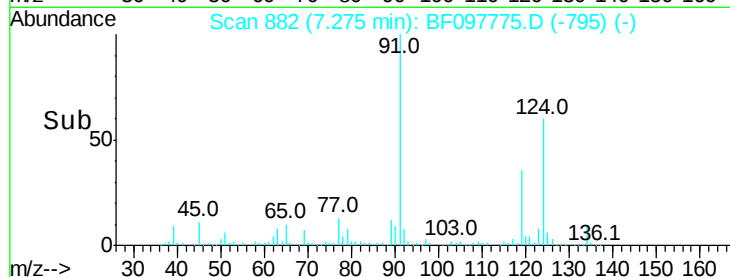
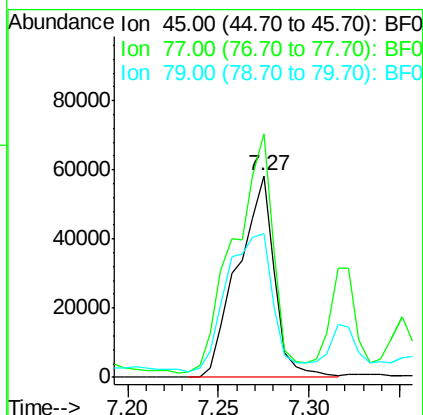
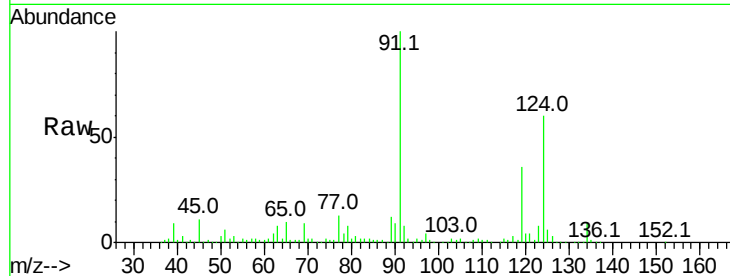




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 5.050 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.21 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

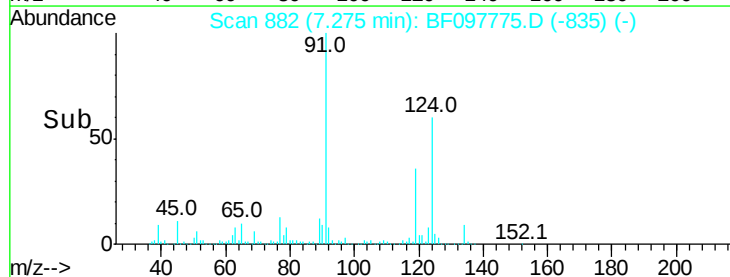
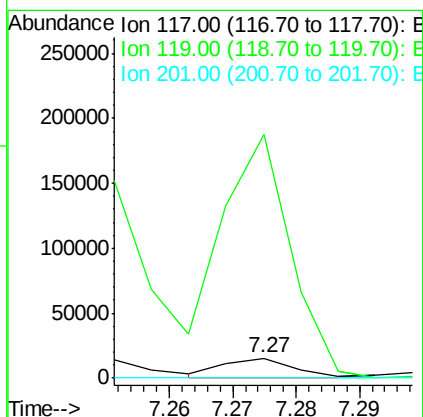
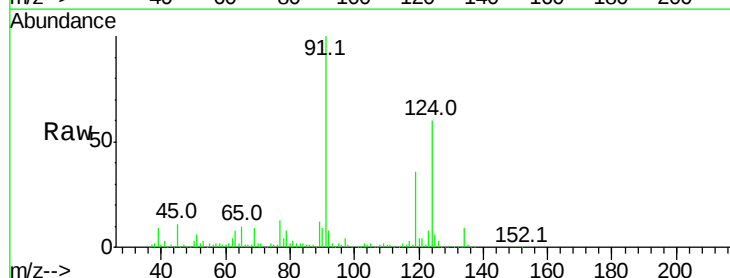
Instrument :
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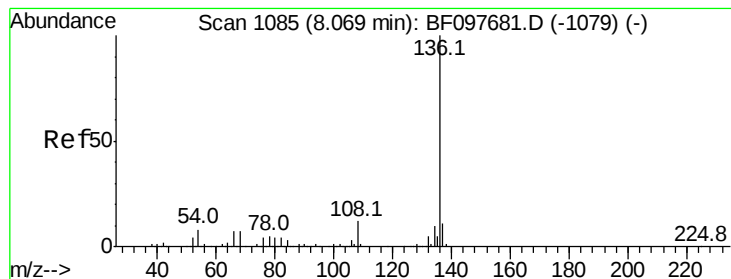
Tot Ion: 45 Resp: 81599
Ion Ratio Lower Upper
45 100
77 120.8 0.0 33.2#
79 71.3 0.0 30.0#



#18
Hexachloroethane
Concen: 2.568 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion: 117 Resp: 11630
Ion Ratio Lower Upper
117 100
119 1208.4 77.4 116.0#
201 0.0 94.6 141.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

Tot Ion:136 Resp: 528614

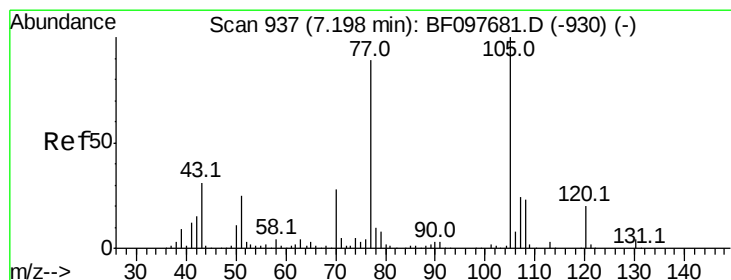
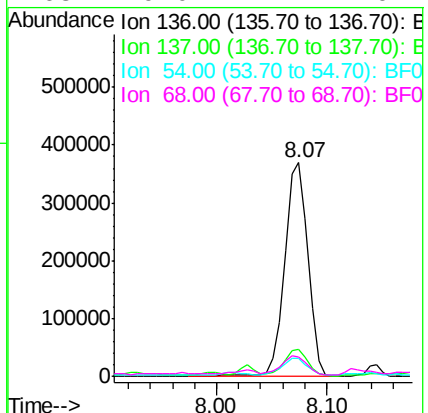
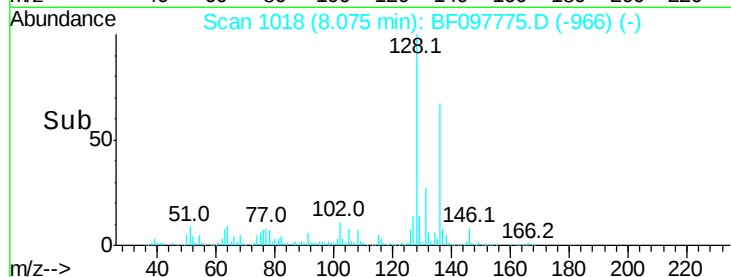
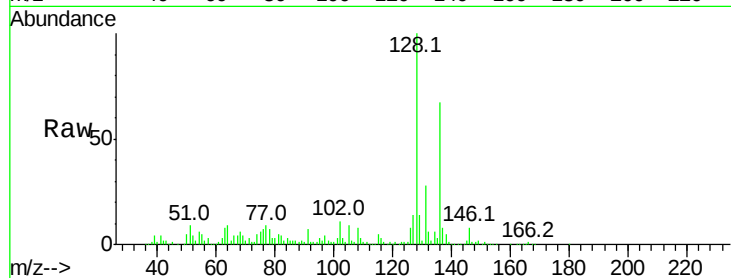
Ion Ratio Lower Upper

136 100

137 12.5 8.5 12.7

54 8.2 4.9 7.3#

68 9.0 4.1 6.1#



#22

Acetophenone

Concen: 5.380 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Tgt Ion:105 Resp: 75130

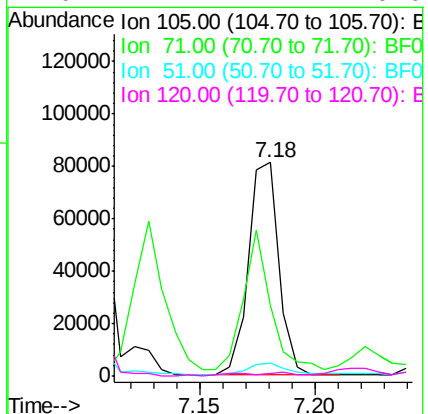
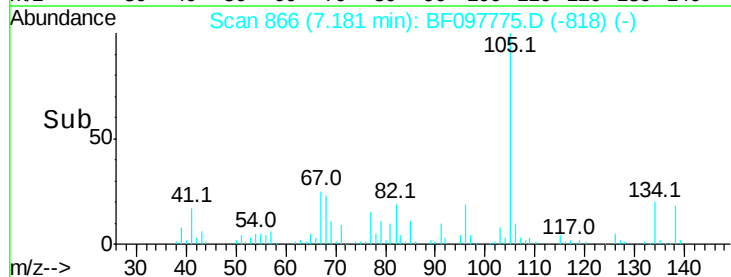
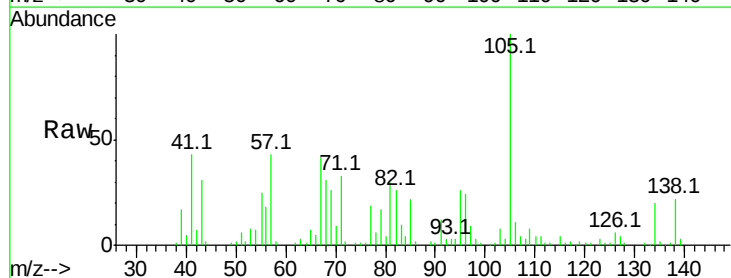
Ion Ratio Lower Upper

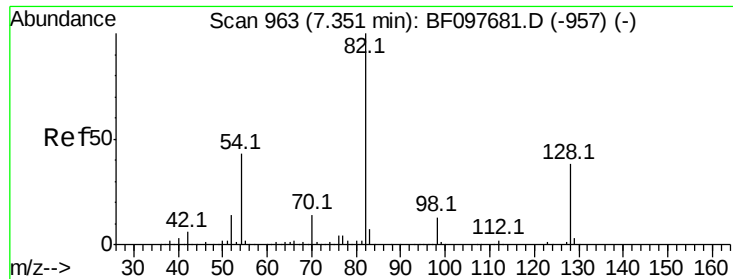
105 100

71 32.9 2.8 4.2#

51 5.8 30.7 46.1#

120 1.2 17.4 26.0#

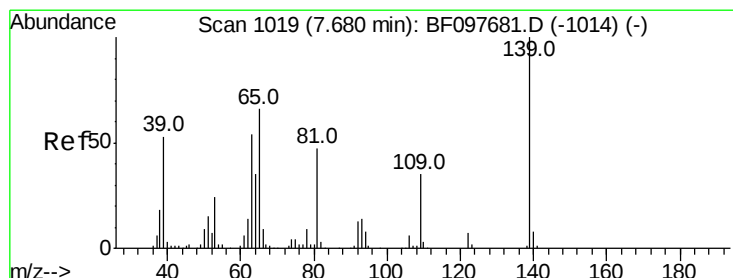
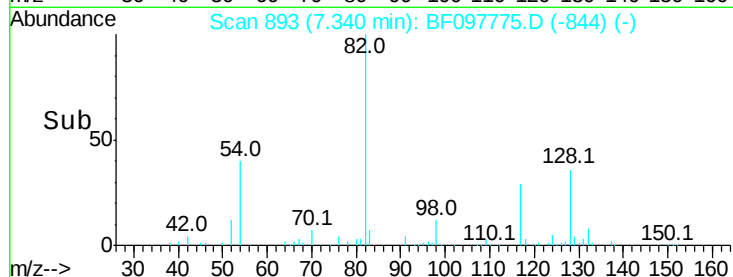
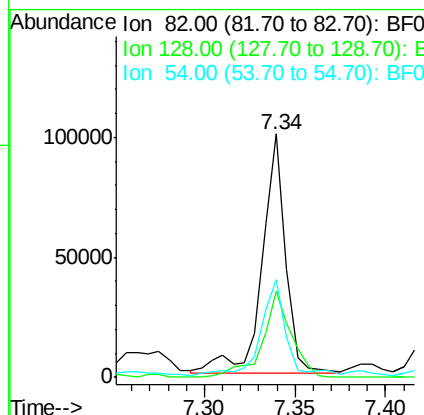
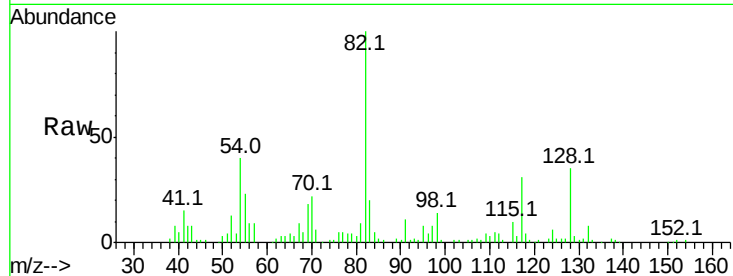




#23
Nitrobenzene-d5
Concen: 9.208 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

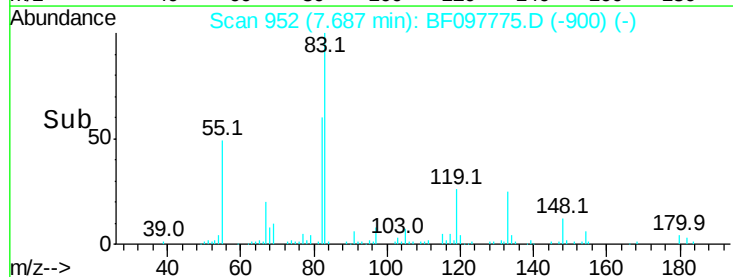
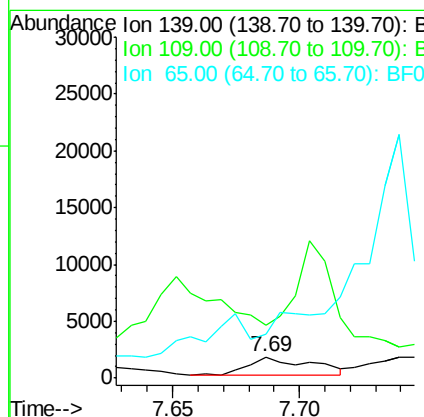
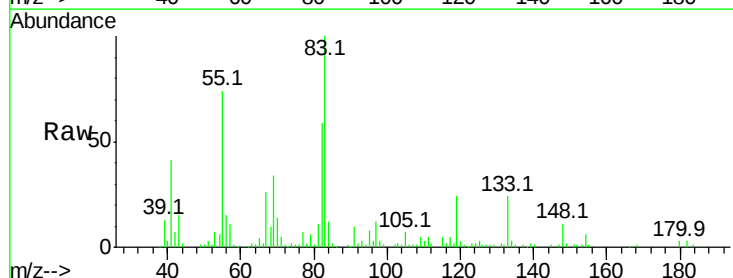
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

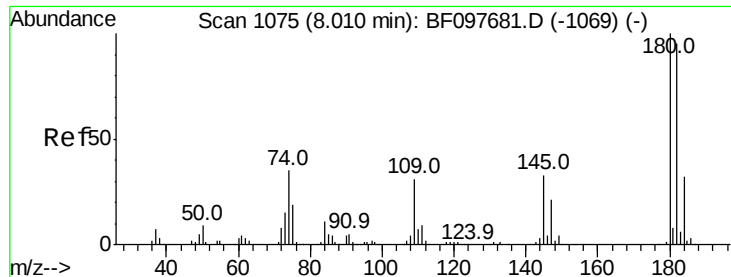
Tot Ion	82	Resp	89599
Ion Ratio	Lower	Upper	
82	100		
128	35.4	34.0	51.0
54	40.3	42.2	63.2#



#26
2-Nitrophenol
Concen: 5.842 ng
RT: 7.69 min Scan# 952
Delta R.T. 0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion	139	Resp	2573
Ion Ratio	Lower	Upper	
139	100		
109	253.8	21.0	31.6#
65	212.3	33.0	49.6#

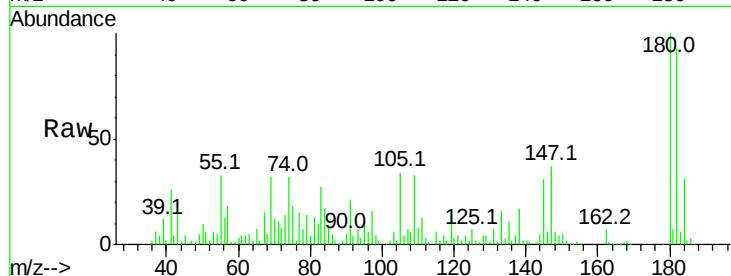




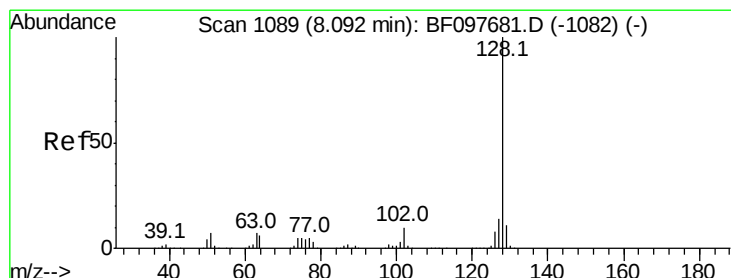
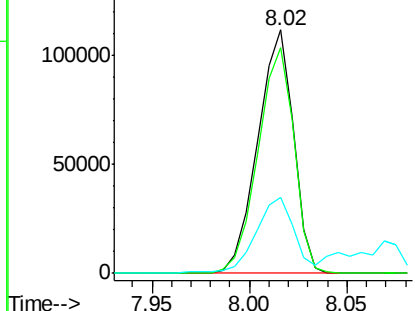
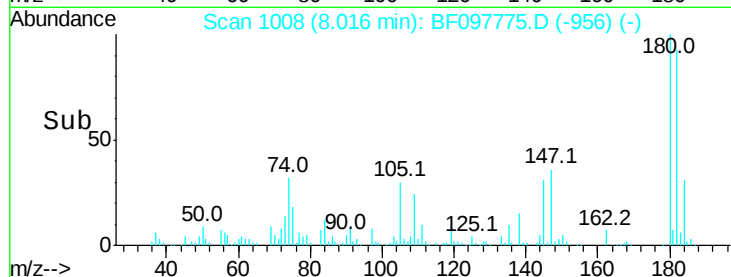
#30
 1,2,4-Trichlorobenzene
 Concen: 18.235 ng
 RT: 8.02 min Scan# 1008
 Delta R.T. 0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

Tot Ion:180 Resp: 141602
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.8 113.6
 145 31.3 25.3 37.9

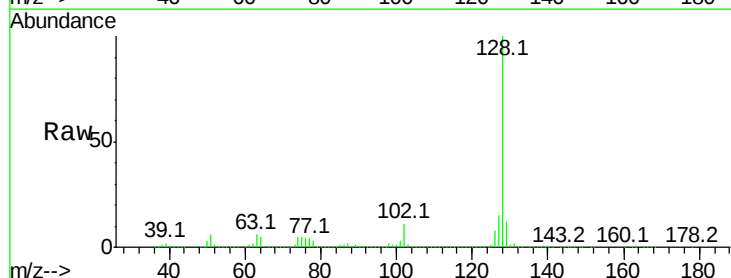


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

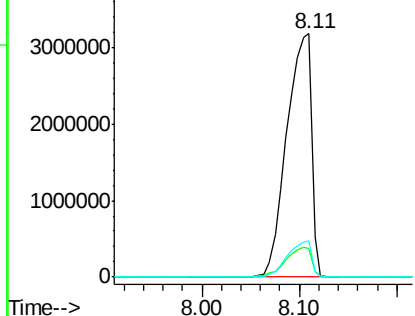
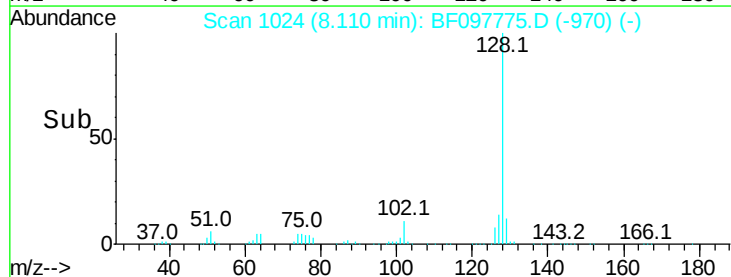


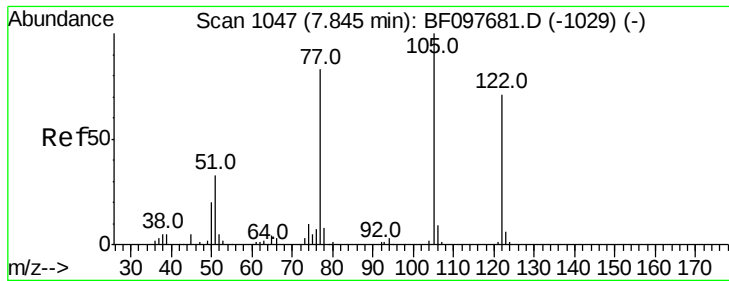
#31
 Naphthalene
 Concen: 205.340 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. 0.02 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Tgt Ion:128 Resp: 5635146
 Ion Ratio Lower Upper
 128 100
 129 11.9 9.0 13.6
 127 14.7 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: 7.291 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

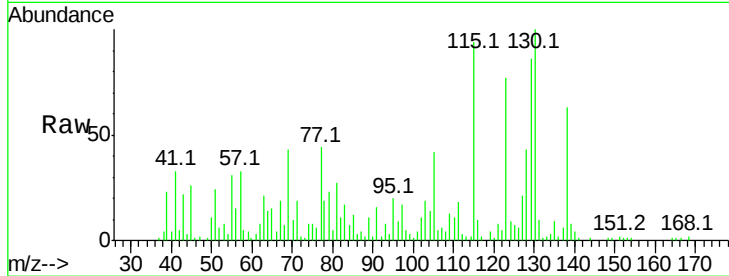
Tot Ion:122 Resp: 6289

Ion Ratio Lower Upper

122 100

105 806.7 103.3 143.3#

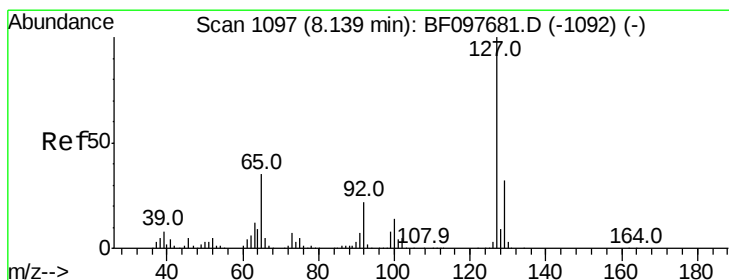
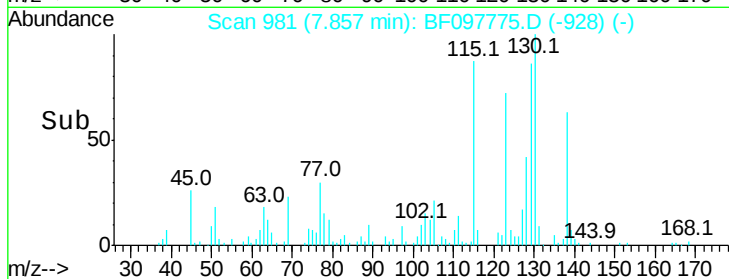
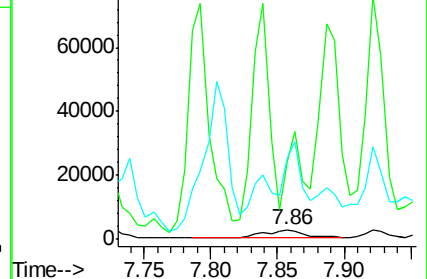
77 850.6 73.7 113.7#



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: 70.620 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Tgt Ion:127 Resp: 817339

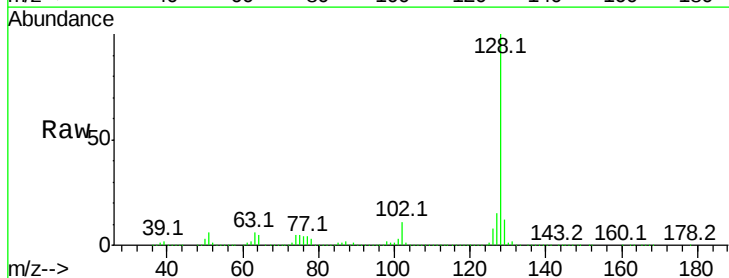
Ion Ratio Lower Upper

127 100

129 80.6 26.2 39.2#

65 0.0 27.8 41.8#

92 0.4 16.8 25.2#

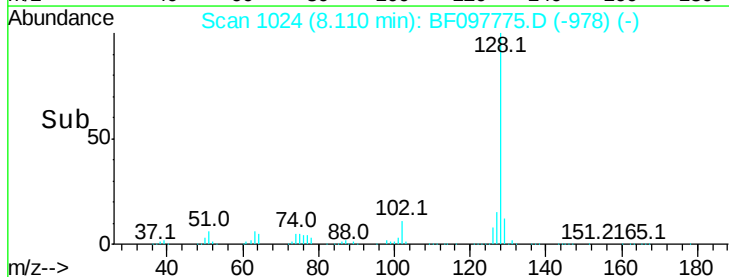
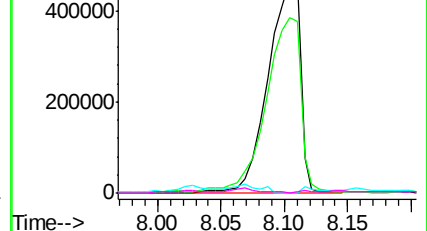


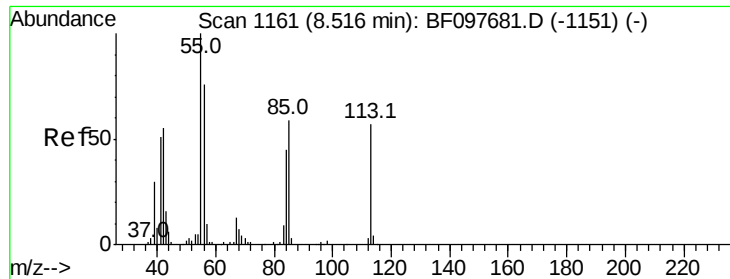
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 2.076 ng

RT: 8.54 min Scan# 1097

Delta R.T. 0.02 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

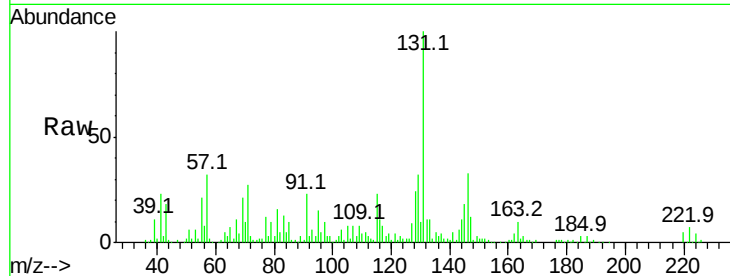
Tot Ion:113 Resp: 4943

Ion Ratio Lower Upper

113 100

55 837.2 150.2 190.2#

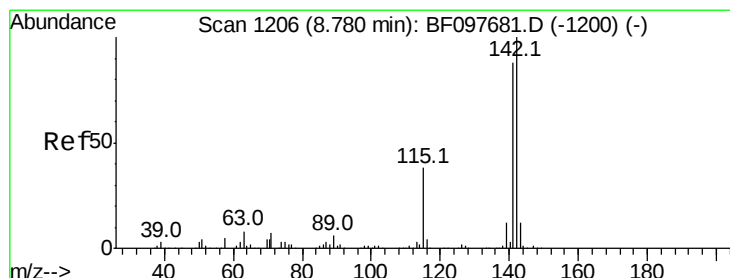
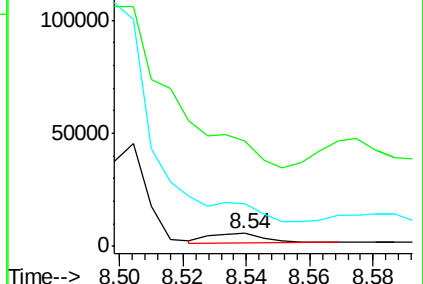
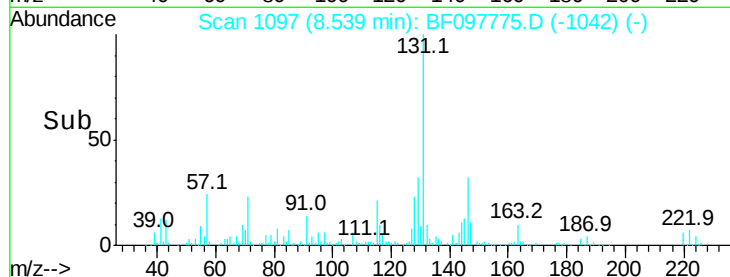
56 336.5 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 202.869 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

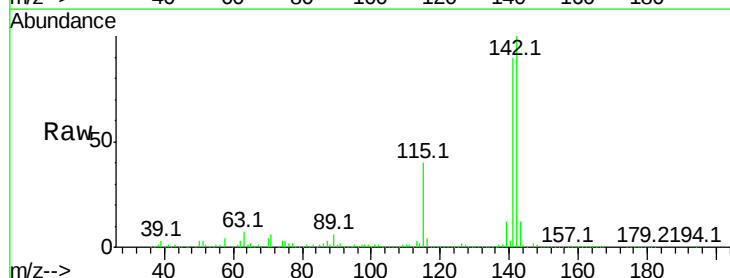
Tgt Ion:142 Resp: 3413280

Ion Ratio Lower Upper

142 100

141 90.0 71.3 106.9

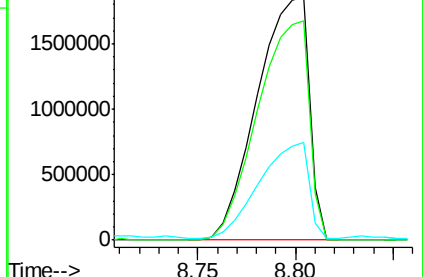
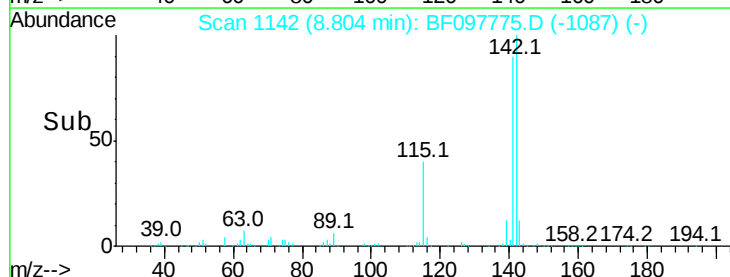
115 39.9 27.1 40.7

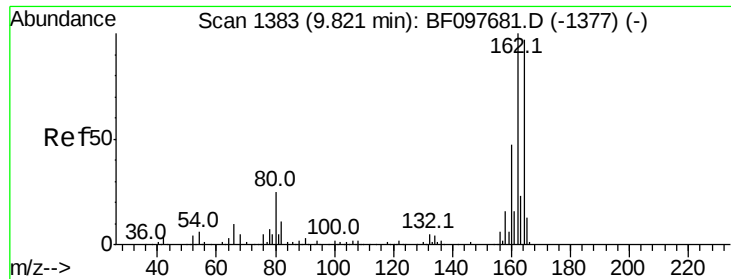


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

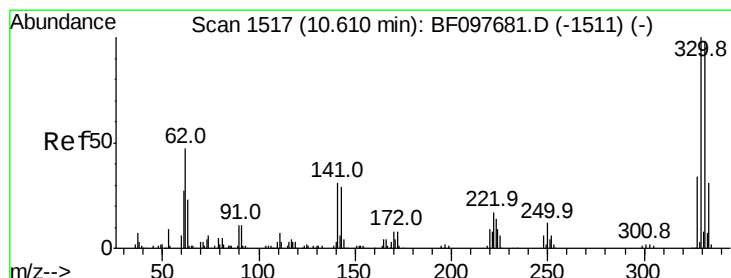
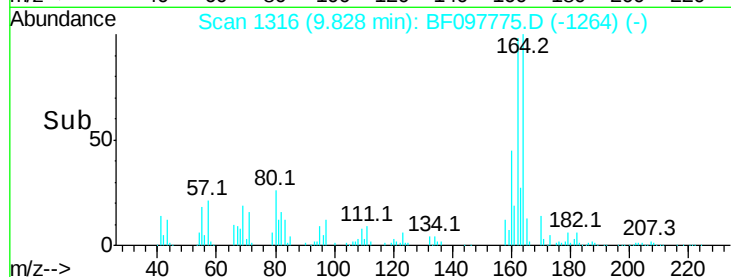
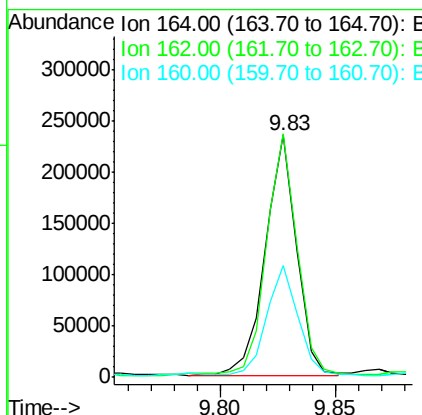
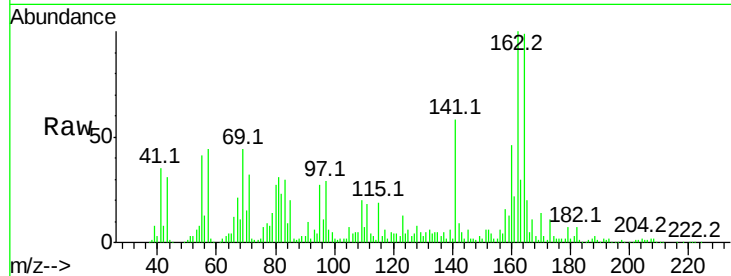




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

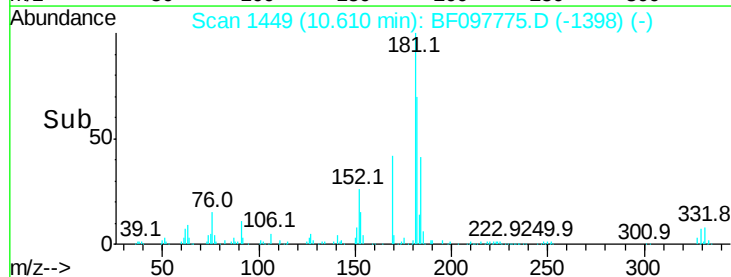
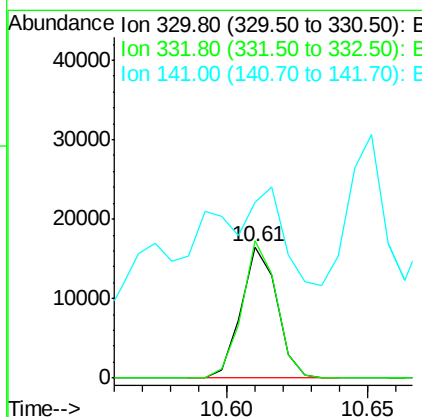
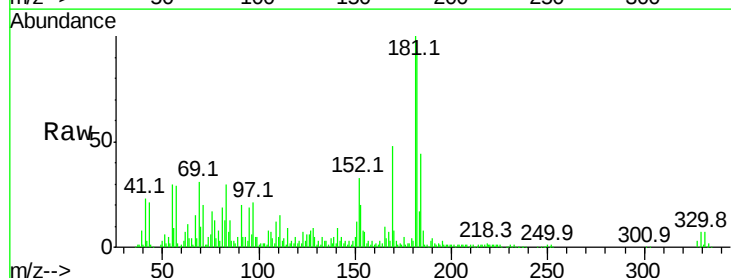
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

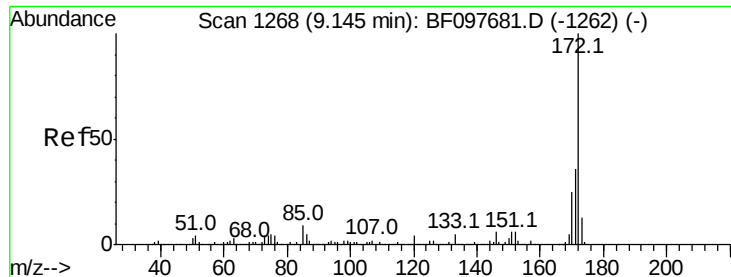
Tot Ion:164 Resp: 219460
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.6 123.8
 160 46.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 7.613 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Tgt Ion:330 Resp: 14497
 Ion Ratio Lower Upper
 330 100
 332 101.3 76.6 115.0
 141 283.0 31.4 47.2#

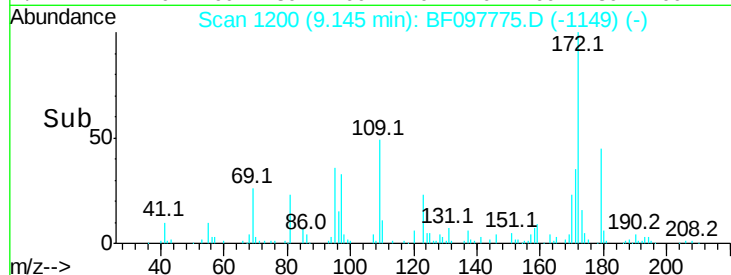
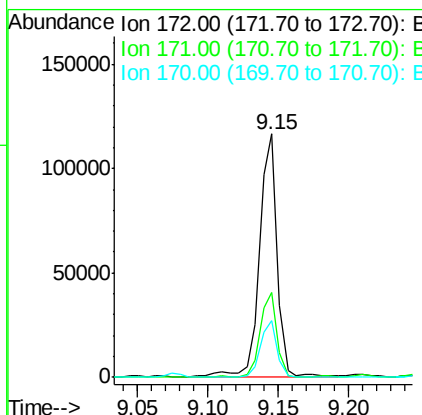
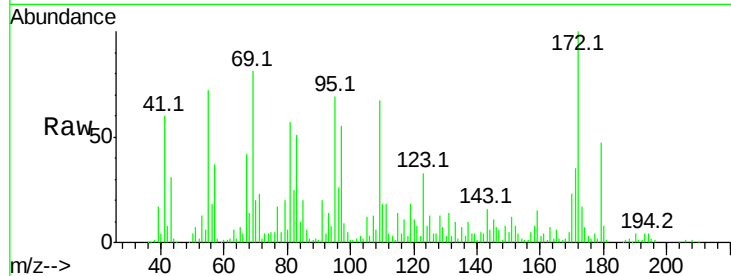




#44
 2-Fluorobiphenyl
 Concen: 6.897 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

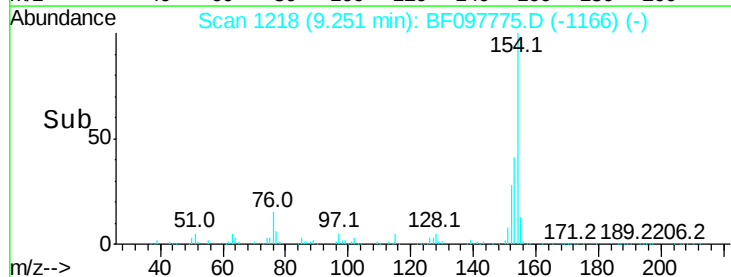
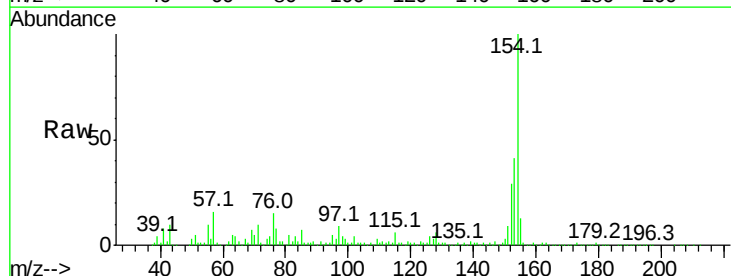
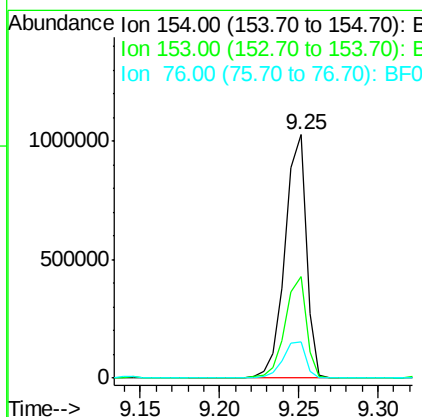
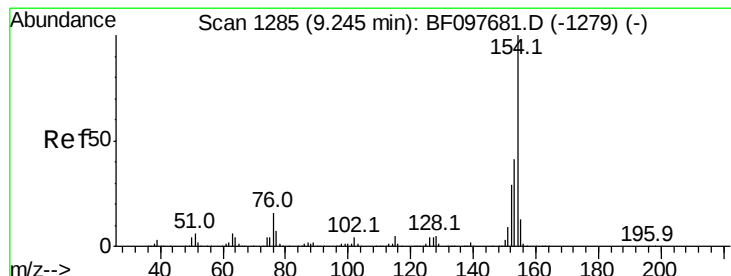
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

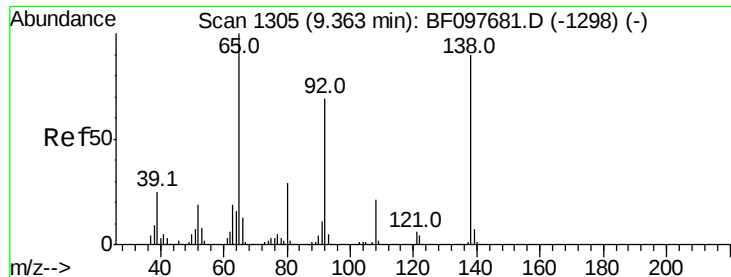
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.3	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 47.740 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.2	61.2
76	14.9	0.0	29.9





#47

2-Nitroaniline

Concen: 3.200 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.02 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

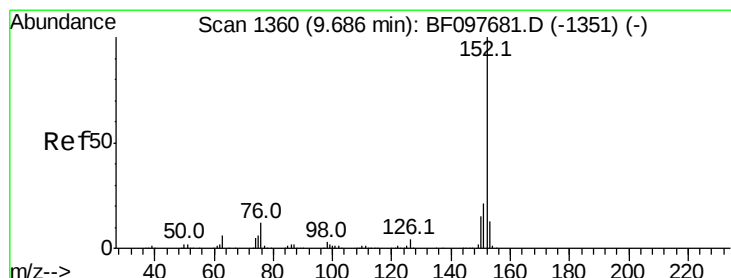
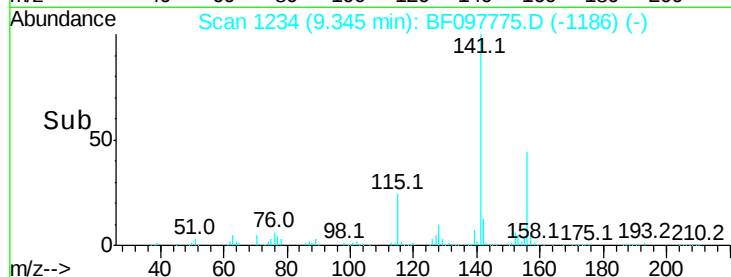
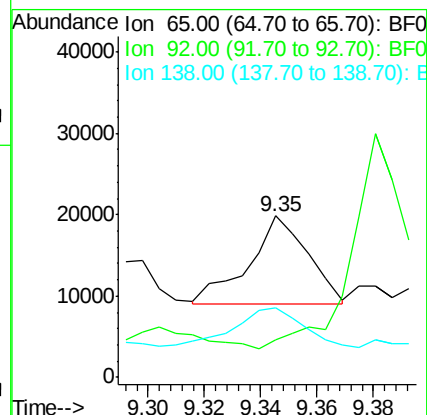
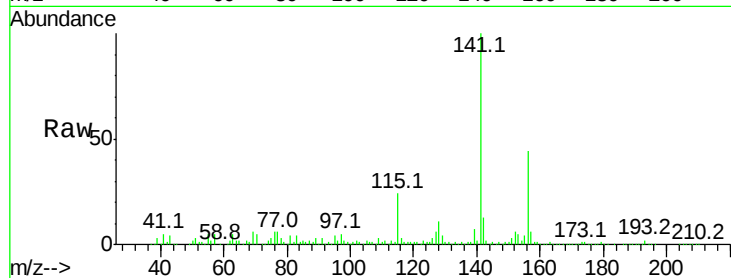
Tot Ion: 65 Resp: 15865

Ion Ratio Lower Upper

65 100

92 22.9 53.9 80.9#

138 43.3 78.8 118.2#



#48

Acenaphthylene

Concen: 5.208 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

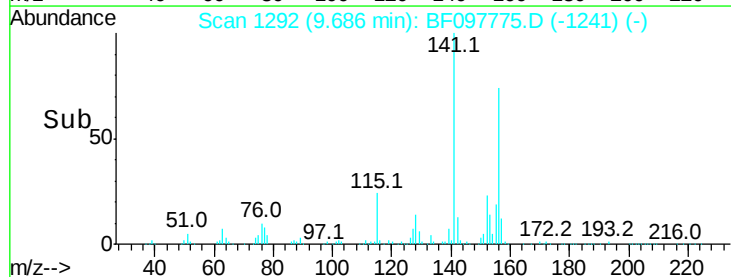
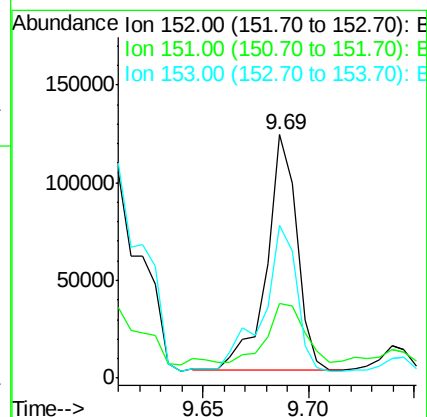
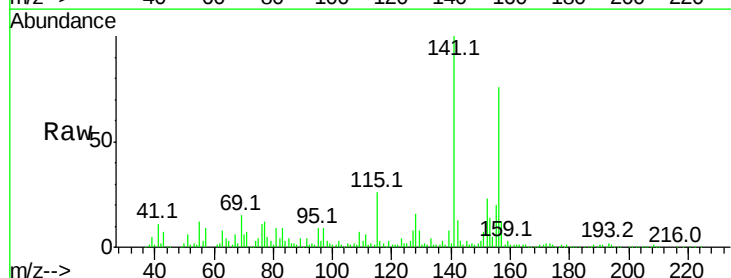
Tgt Ion: 152 Resp: 120940

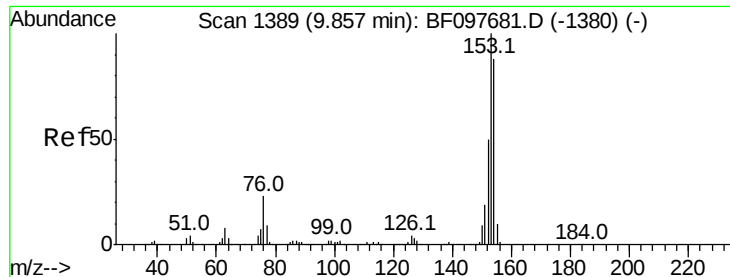
Ion Ratio Lower Upper

152 100

151 30.6 16.8 25.2#

153 62.6 10.8 16.2#





#51

Acenaphthene

Concen: 86.303 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

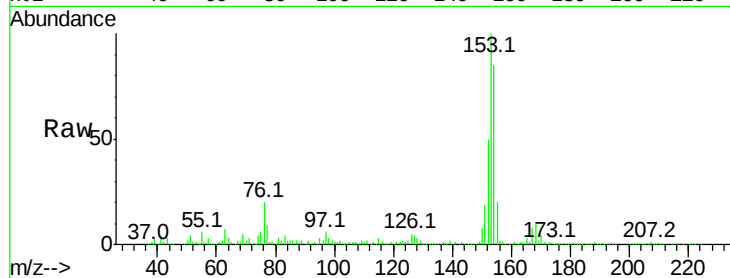
Tot Ion:154 Resp: 1263909

Ion Ratio Lower Upper

154 100

153 117.0 90.5 135.7

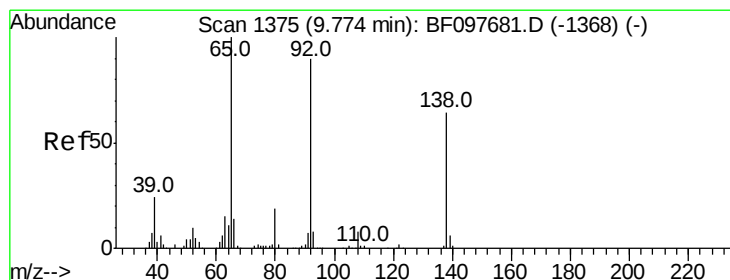
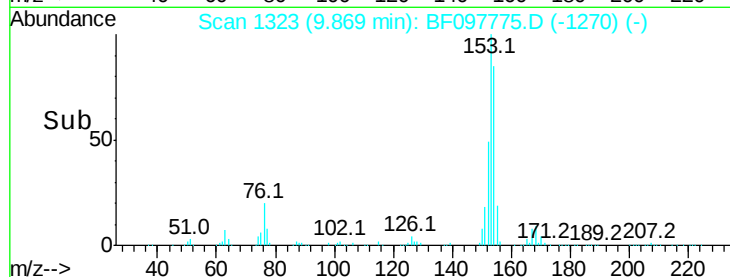
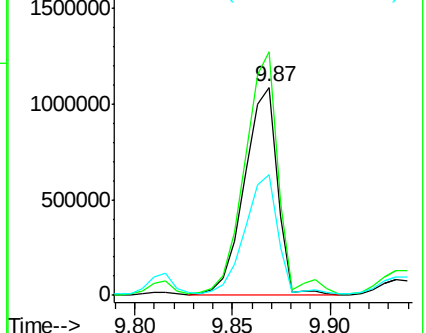
152 58.0 43.6 65.4



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



#52

3-Nitroaniline

Concen: 2.545 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

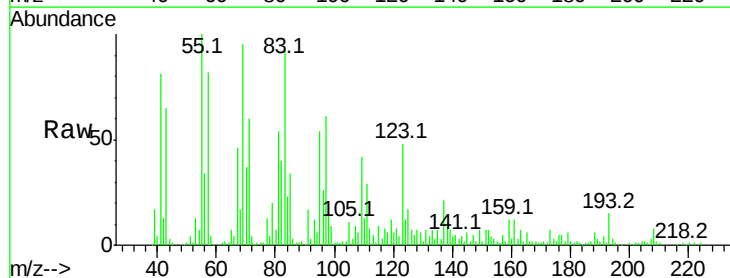
Tgt Ion:138 Resp: 10513

Ion Ratio Lower Upper

138 100

108 53.2 9.1 13.7#

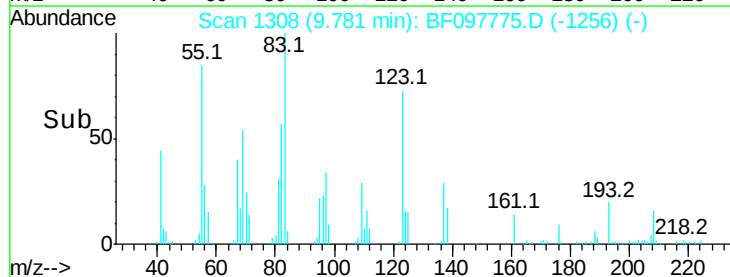
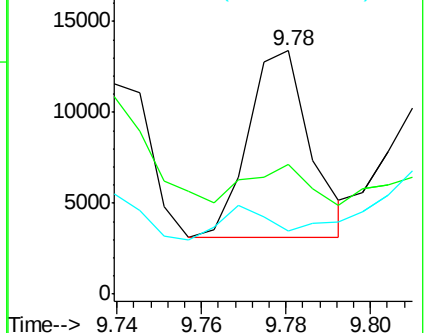
92 25.9 93.8 140.6#

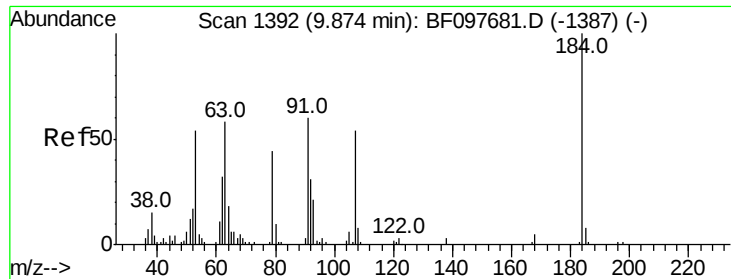


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

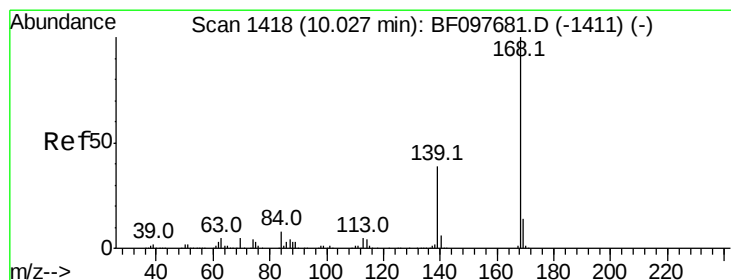
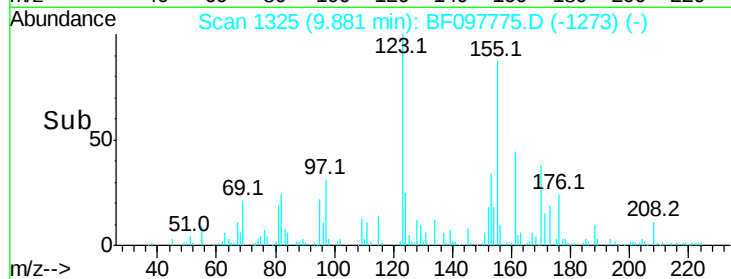
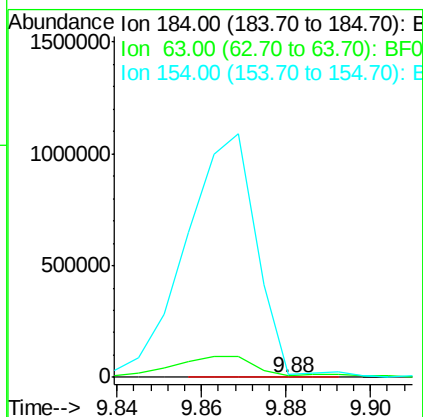
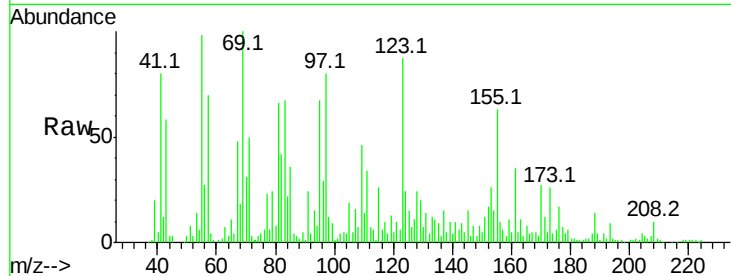




#53
2,4-Dinitrophenol
Concen: 10.756 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

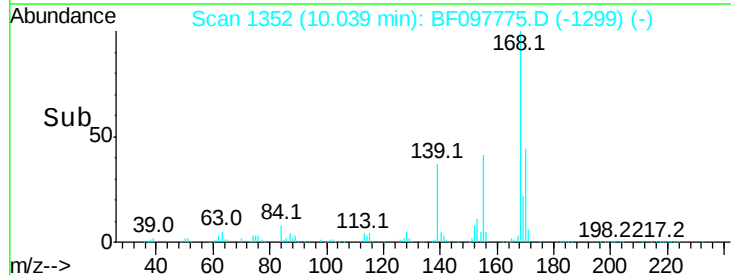
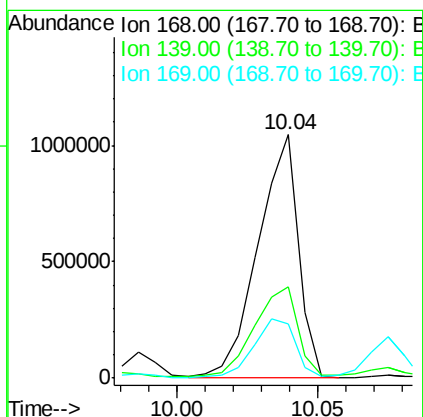
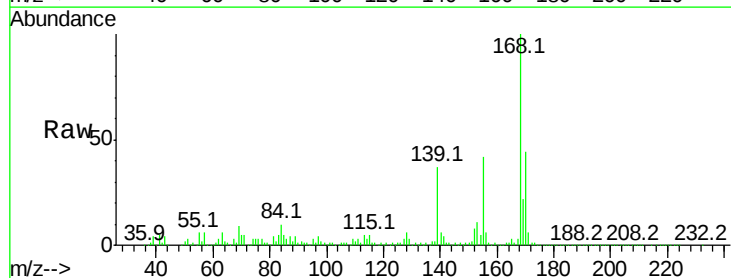
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

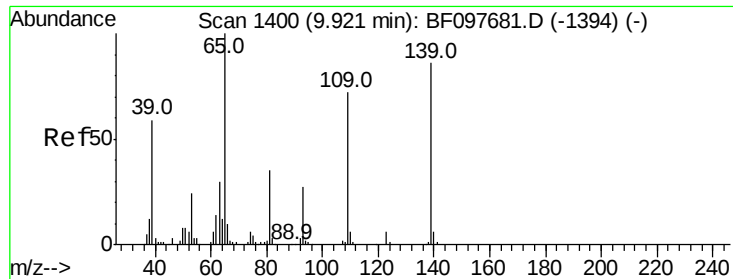
Tot Ion:184 Resp: 1071
Ion Ratio Lower Upper
184 100
63 683.8 62.7 94.1#
154 1505.1 81.1 121.7#



#54
Dibenzofuran
Concen: 52.680 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion:168 Resp: 1033976
Ion Ratio Lower Upper
168 100
139 37.5 30.6 45.8
169 22.2 10.8 16.2#

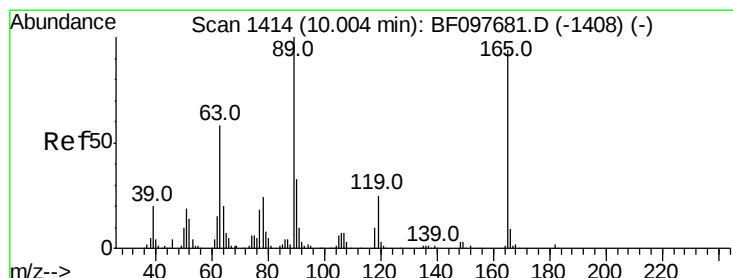
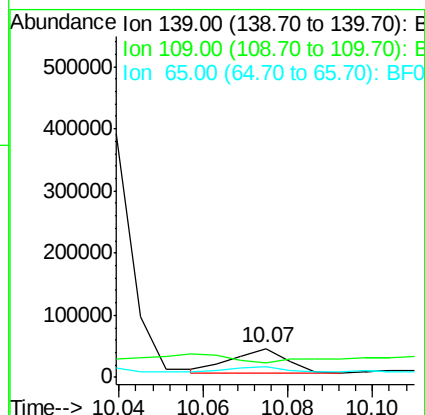
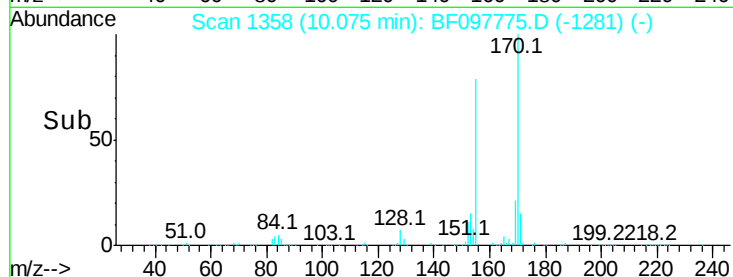
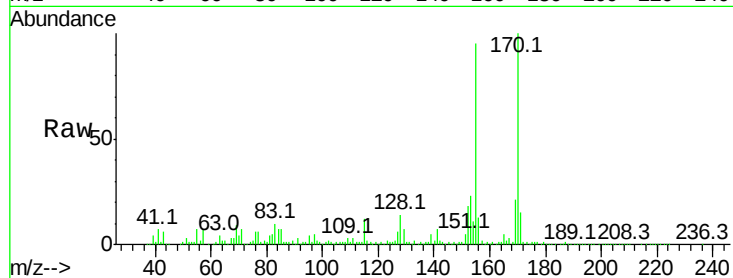




#55
4-Nitrophenol
Concen: 10.439 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.15 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

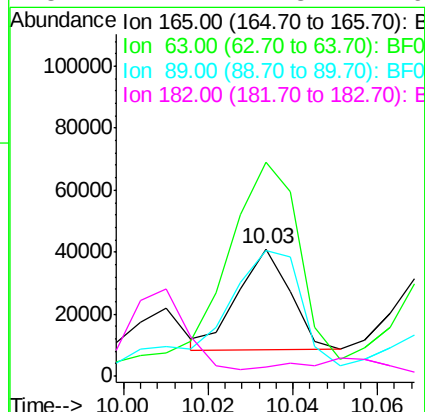
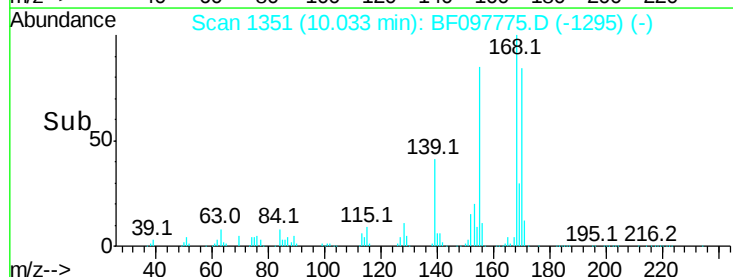
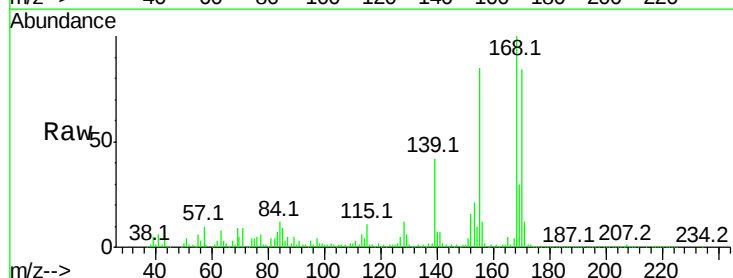
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

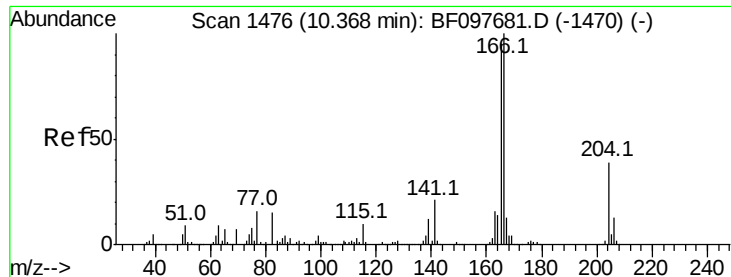
Tot Ion:139 Resp: 34403
Ion Ratio Lower Upper
139 100
109 50.1 34.1 74.1
65 35.8 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 6.907 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.03 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion:165 Resp: 27758
Ion Ratio Lower Upper
165 100
63 168.3 25.4 38.0#
89 99.2 46.4 69.6#
182 7.4 1.8 2.6#



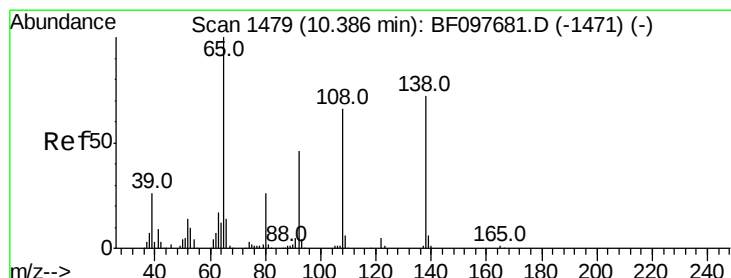
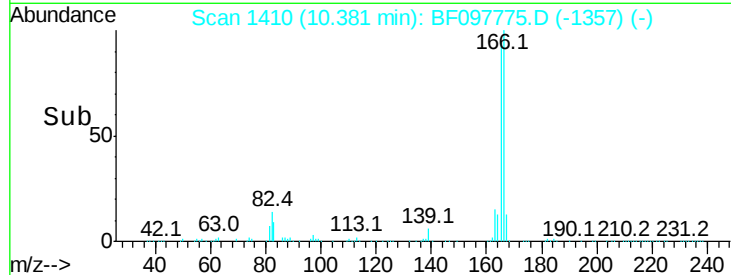
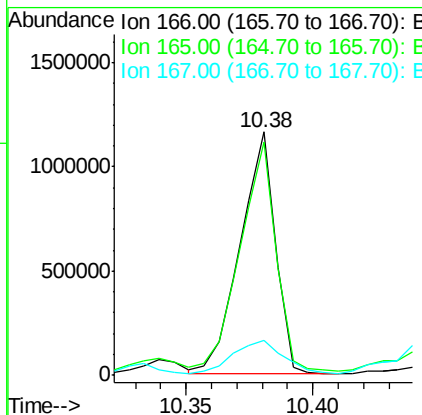
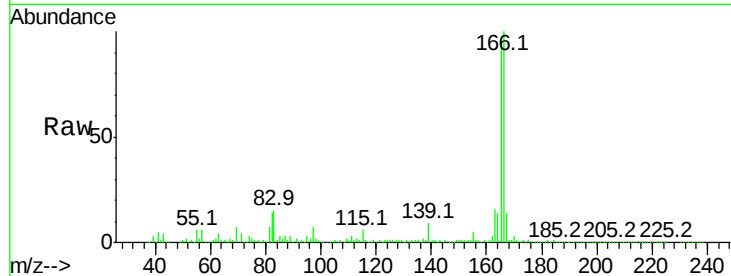


#57
Fluorene
 Concen: 74.494 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

Tot Ion:166 Resp: 1130439

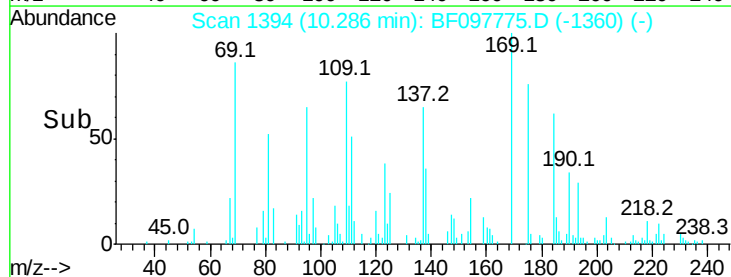
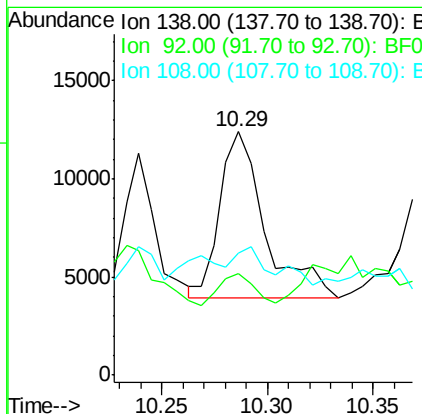
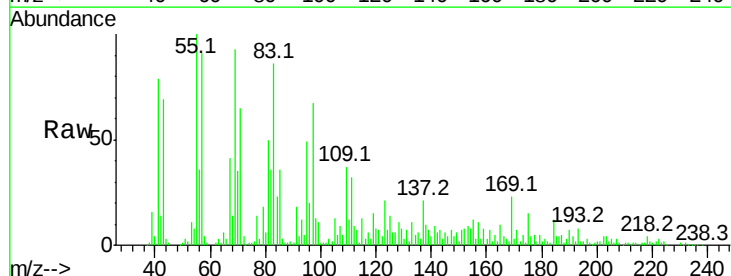
Ion	Ratio	Lower	Upper
166	100		
165	95.6	78.8	118.2
167	14.3	10.6	16.0

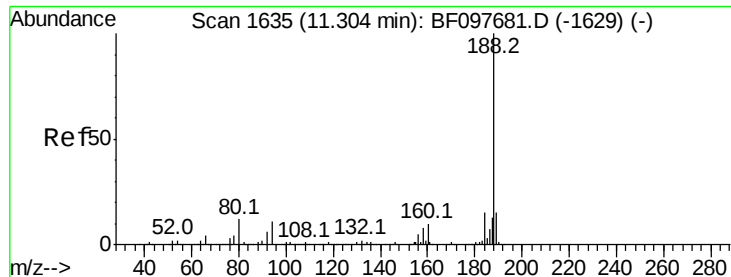


#61
4-Nitroaniline
 Concen: 3.171 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.10 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Tgt Ion:138 Resp: 12452

Ion	Ratio	Lower	Upper
138	100		
92	41.7	21.8	61.8
108	49.9	42.3	82.3

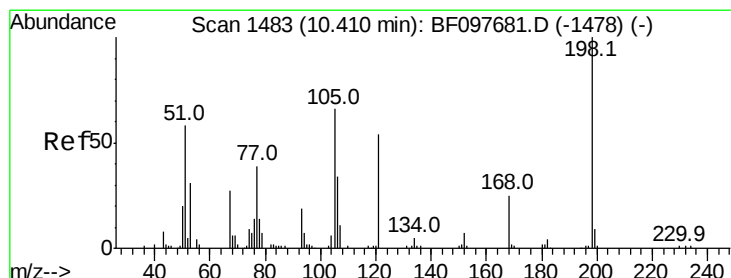
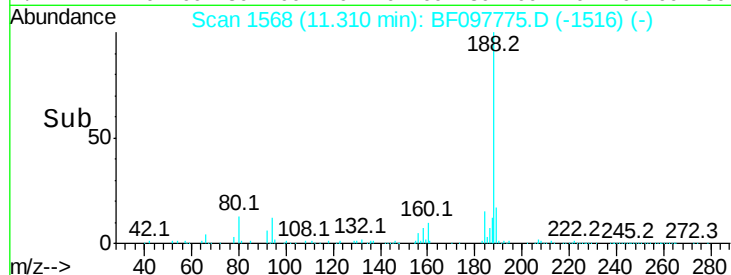
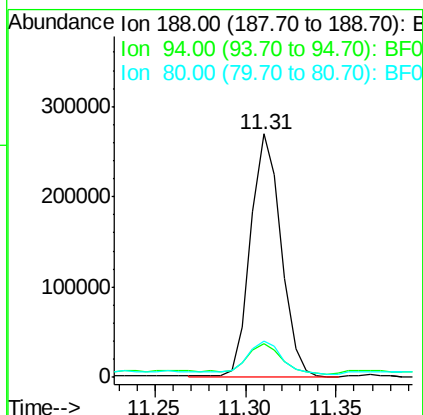
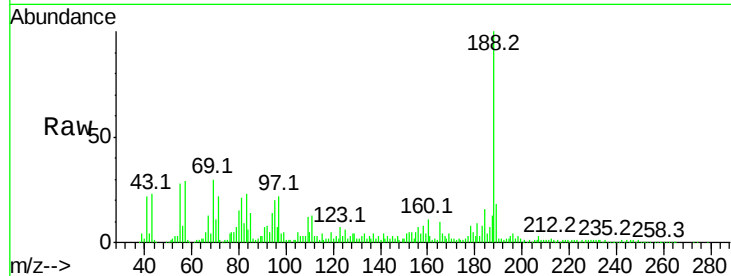




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

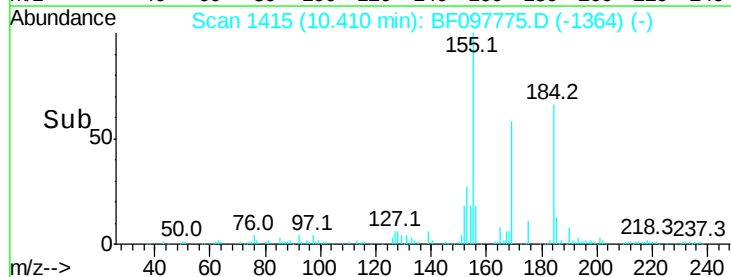
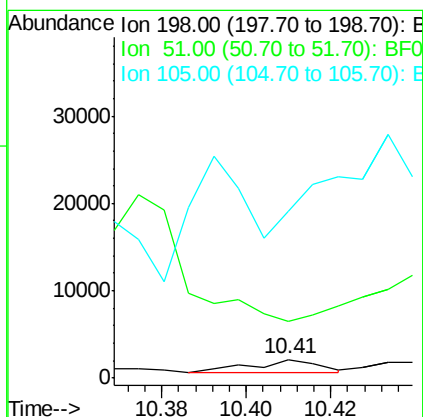
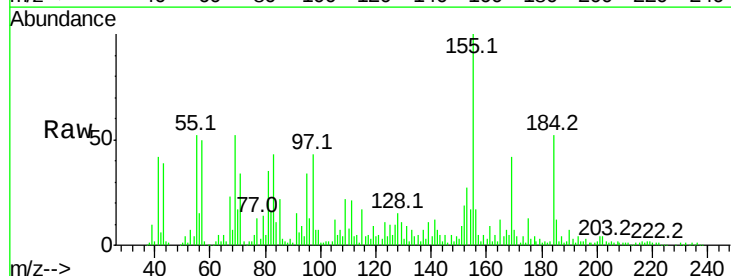
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

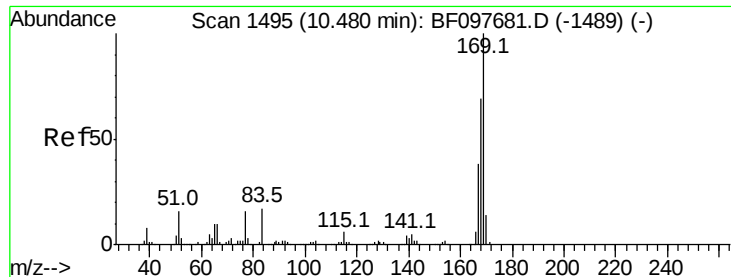
Tot Ion:188 Resp: 312454
Ion Ratio Lower Upper
188 100
94 14.1 9.4 14.2
80 15.0 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 9.208 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion:198 Resp: 1581
Ion Ratio Lower Upper
198 100
51 306.3 53.2 93.2#
105 899.2 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 24.068 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

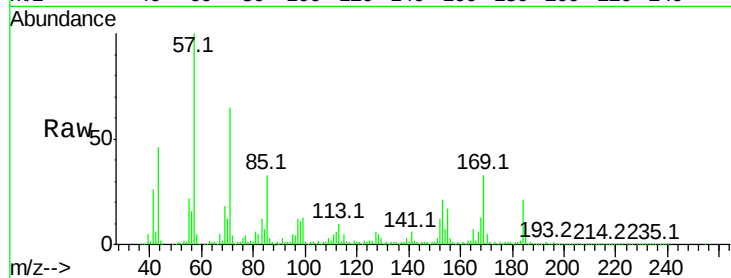
Tot Ion:169 Resp: 256085

Ion Ratio Lower Upper

169 100

168 37.9 53.2 79.8#

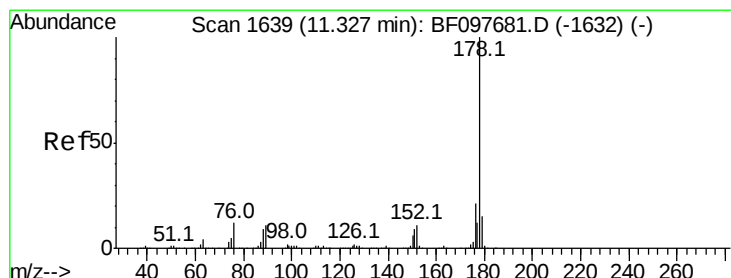
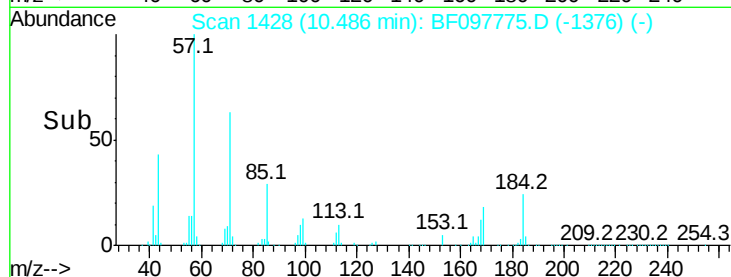
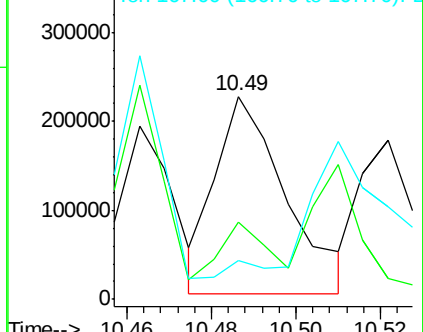
167 19.1 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 172.778 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.02 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

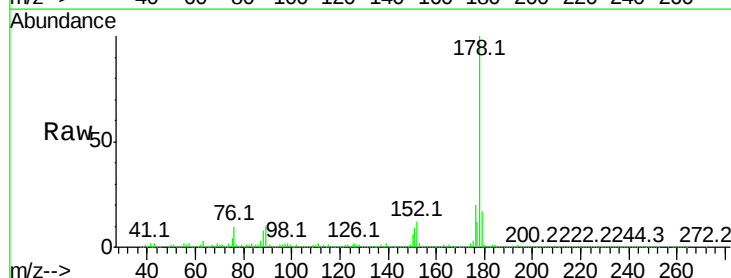
Tgt Ion:178 Resp: 2876709

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

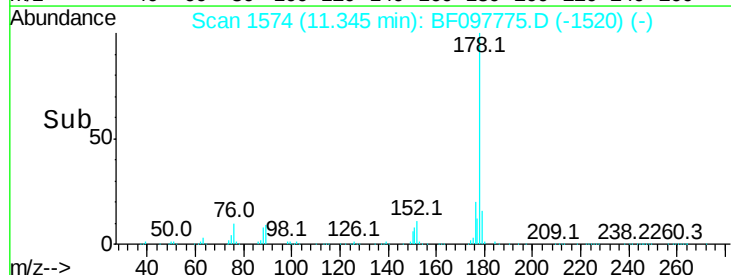
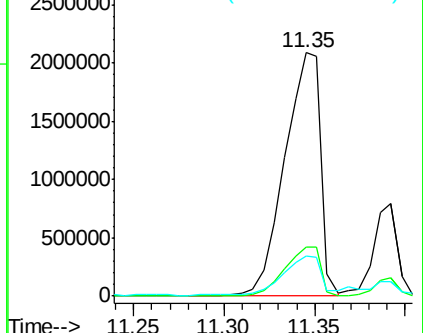
179 16.7 12.6 19.0

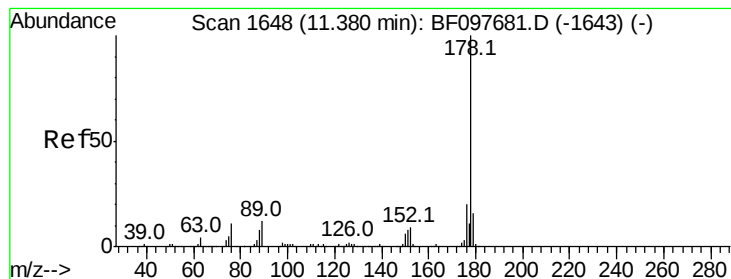


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 39.094 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

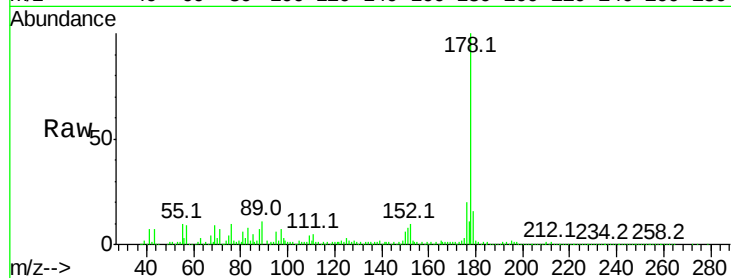
Tot Ion:178 Resp: 660186

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

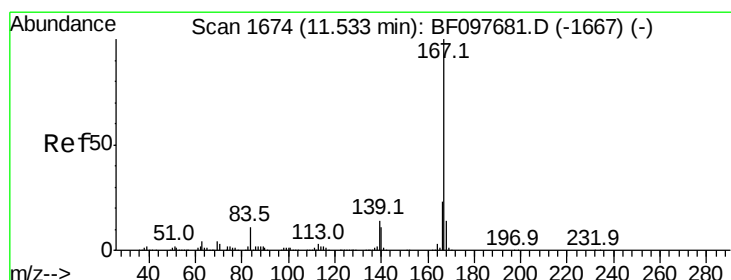
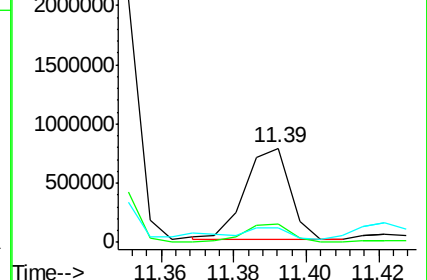
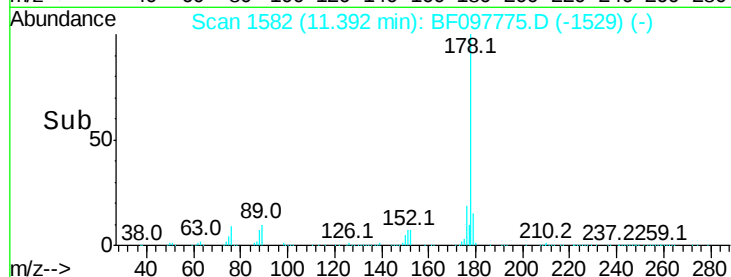
179 16.0 12.7 19.1



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: 8.652 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

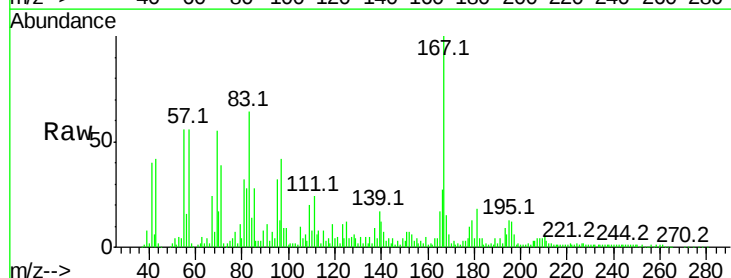
Tgt Ion:167 Resp: 138692

Ion Ratio Lower Upper

167 100

166 27.3 18.1 27.1#

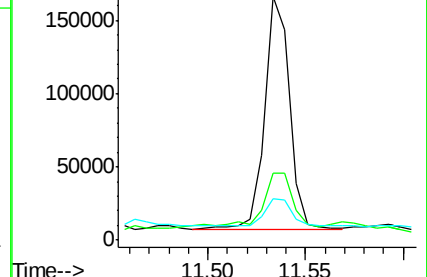
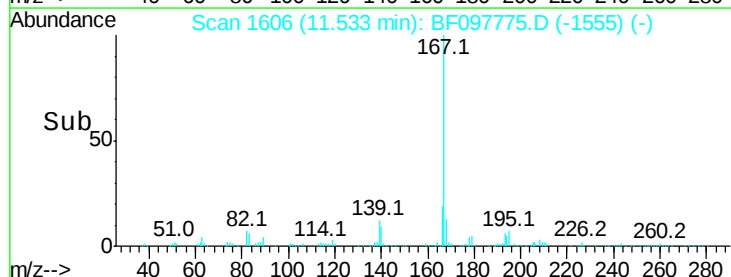
139 17.1 11.7 17.5

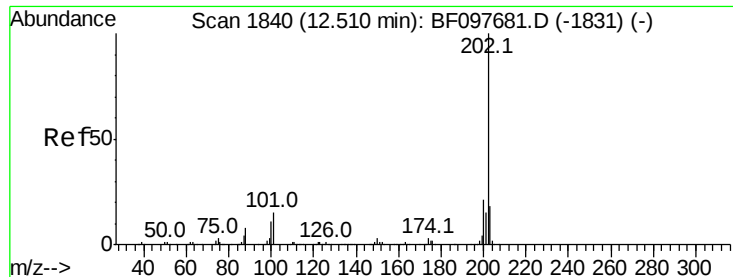


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 81.751 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.02 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

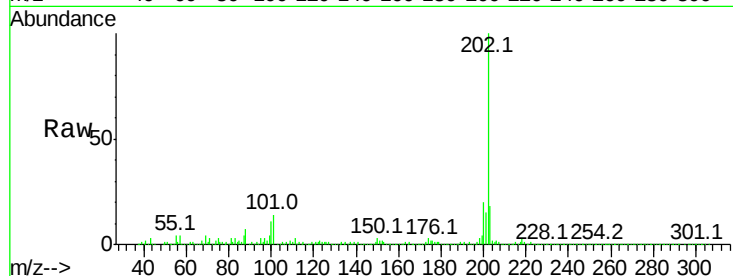
Tot Ion:202 Resp: 1420709

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

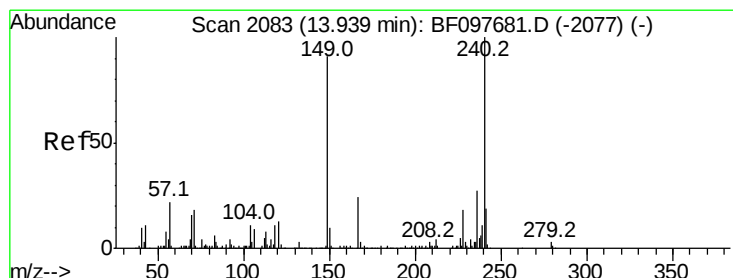
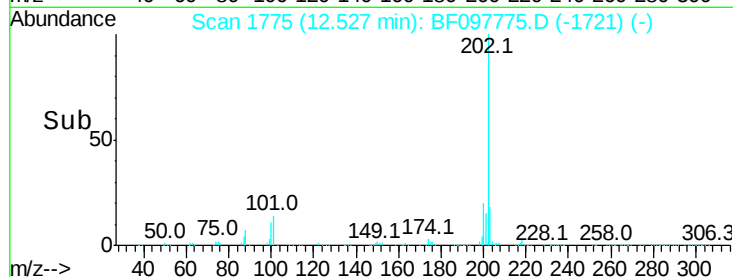
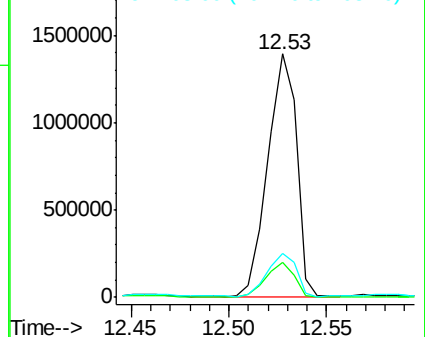
203 18.1 0.0 38.1



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: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

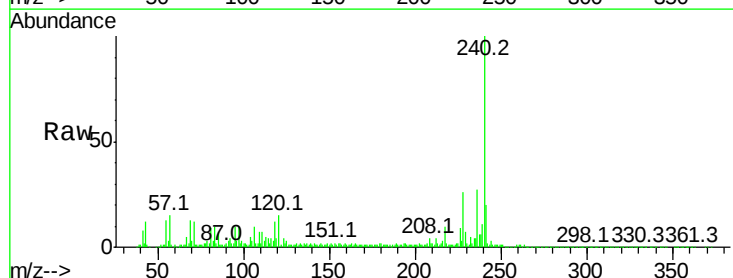
Tgt Ion:240 Resp: 285188

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

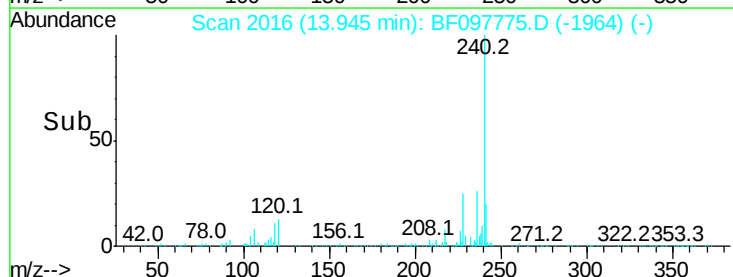
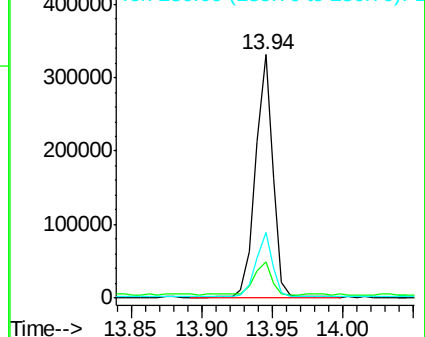
236 26.7 20.5 30.7

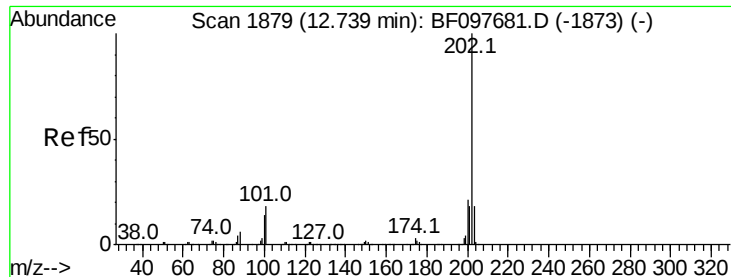


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

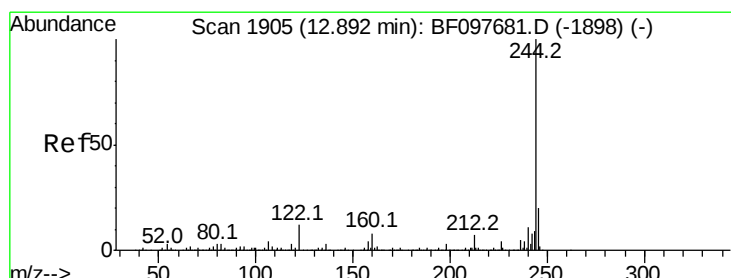
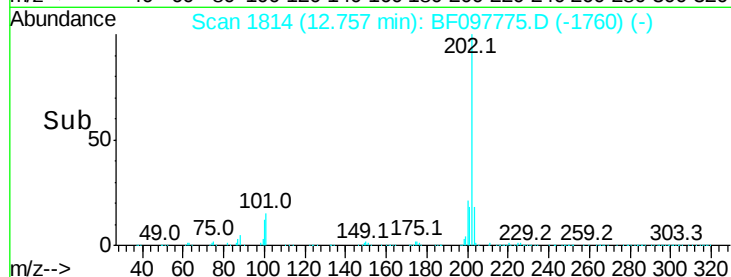
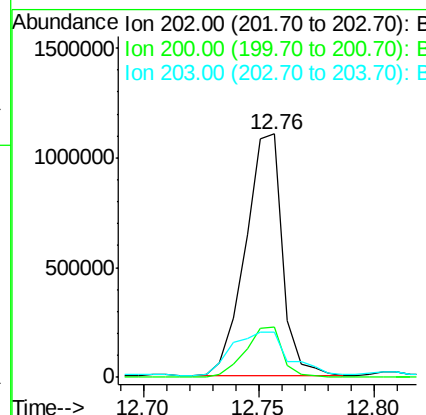
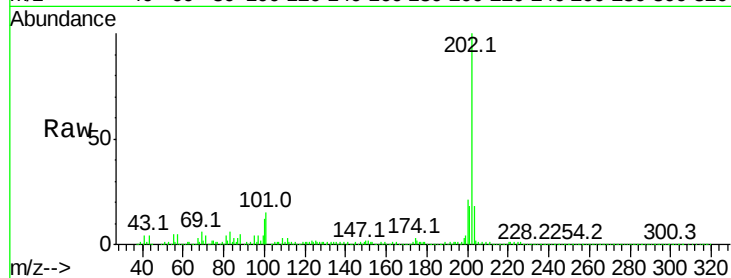




#77
Pvrene
Concen: 53.157 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.02 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

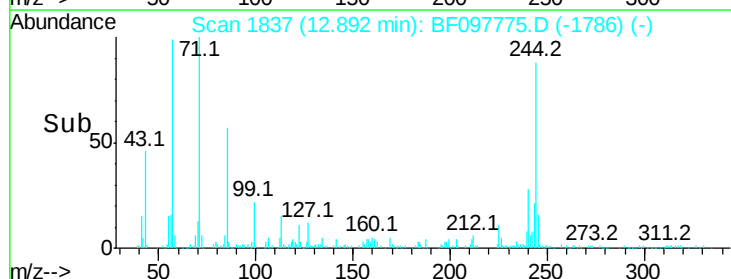
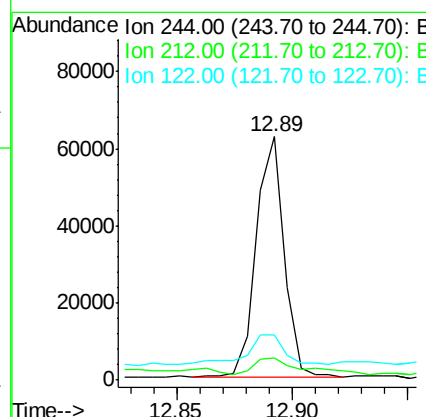
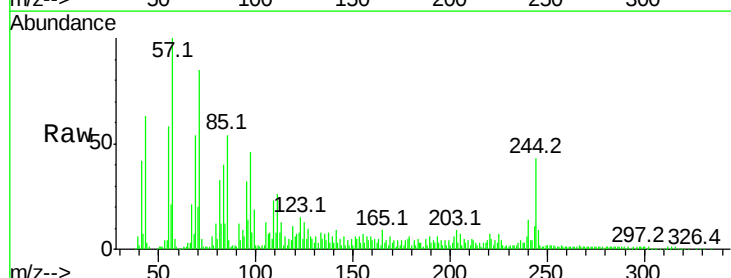
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

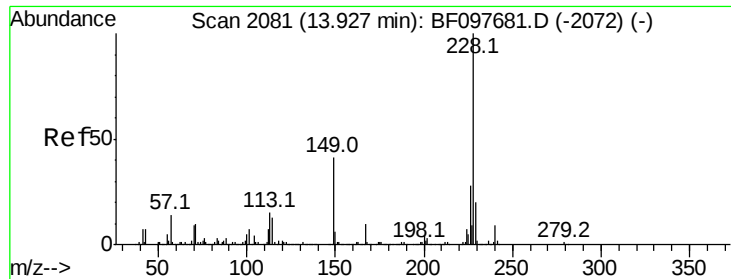
Tot Ion:202 Resp: 1239896
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 18.4 14.4 21.6



#78
Terphenyl-d14
Concen: 3.868 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion:244 Resp: 52893
Ion Ratio Lower Upper
244 100
212 9.3 6.0 9.0#
122 18.7 10.3 15.5#

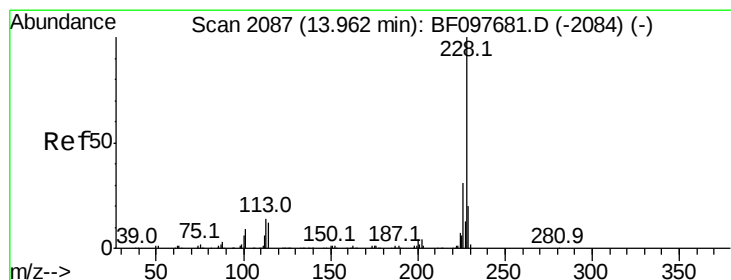
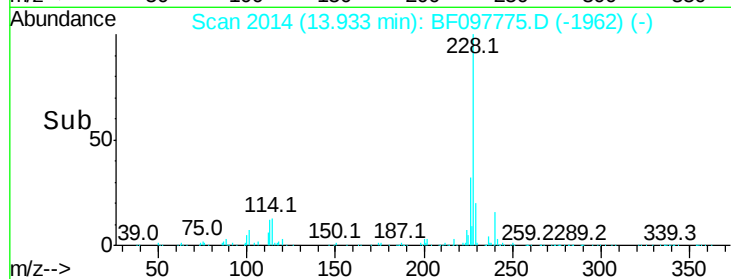
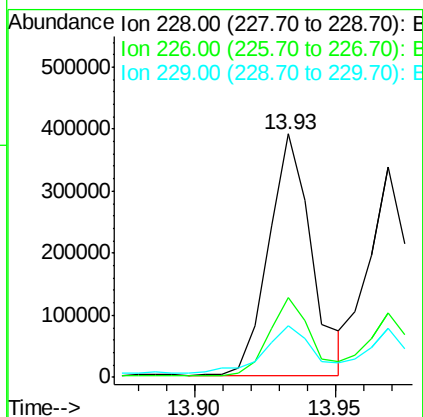
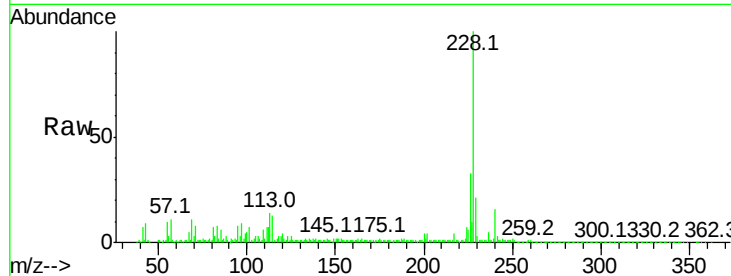




#80
Benzo(a)anthracene
Concen: 24.030 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

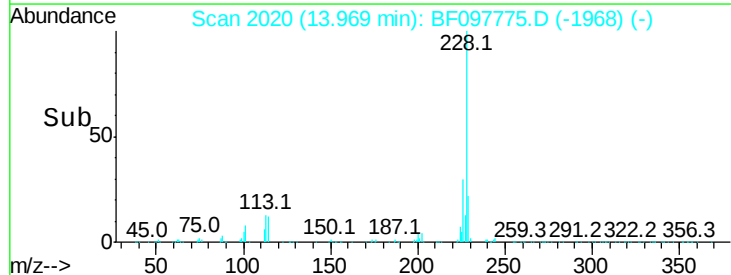
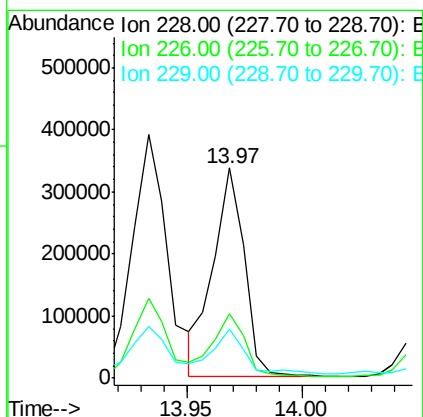
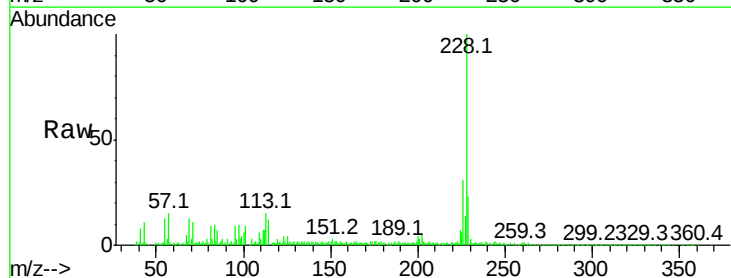
Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

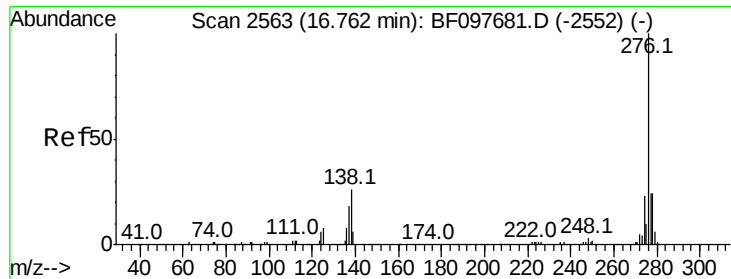
Tot Ion:228 Resp: 410736
Ion Ratio Lower Upper
228 100
226 32.8 22.6 33.8
229 21.2 16.3 24.5



#82
Chrysene
Concen: 18.577 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion:228 Resp: 315863
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 23.1 15.8 23.6

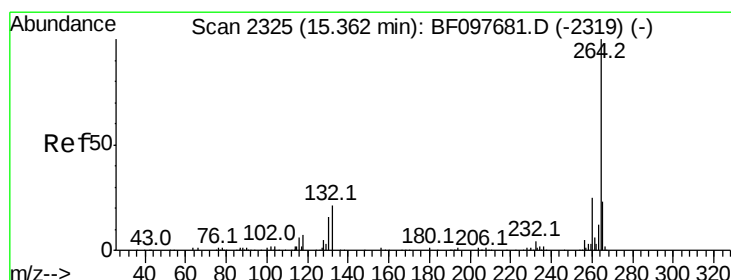
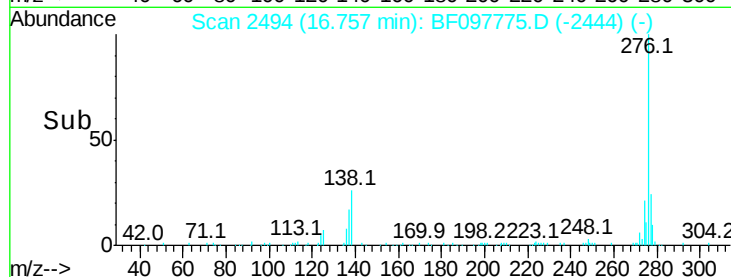
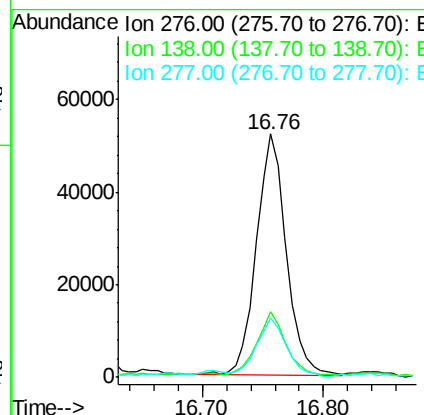
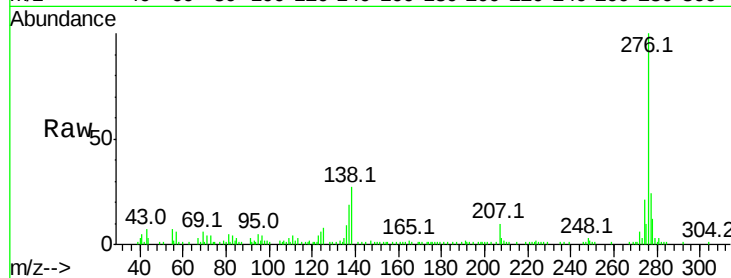




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.165 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

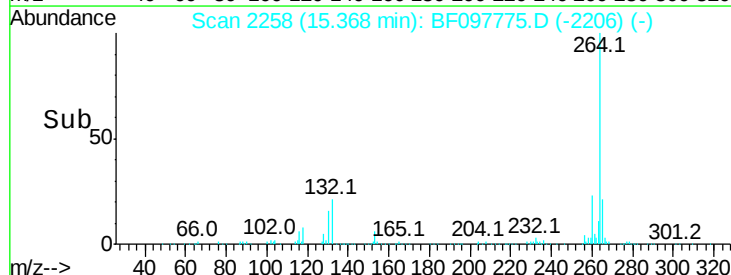
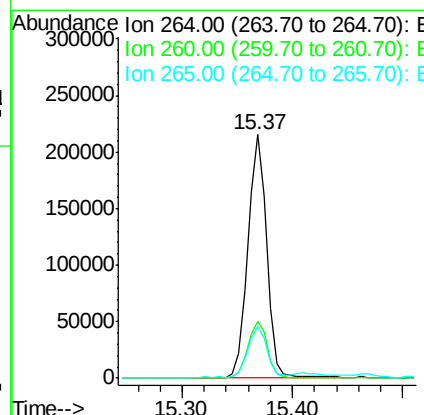
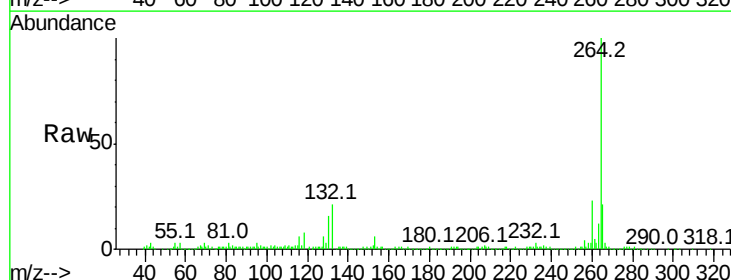
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-ESW

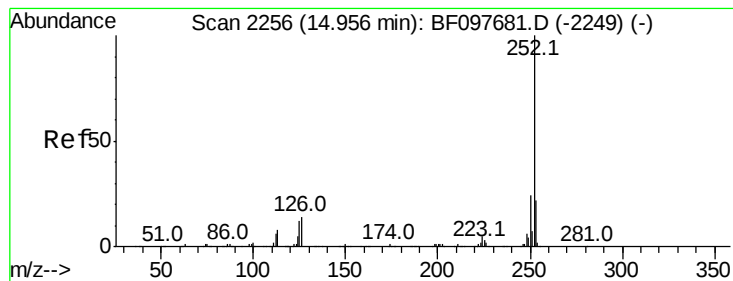
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	27.8	41.6#
277	25.2	20.2	30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: BF097775.D
 Acq: 17 Aug 2017 8:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 24.735 ng

RT: 14.96 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

Instrument :

BNA_F

ClientSampleId :

E2-J10-ESW

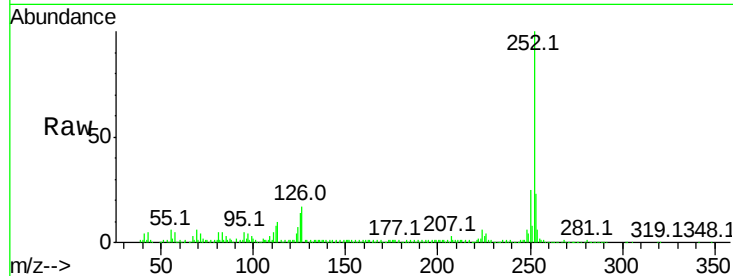
Tot Ion:252 Resp: 405568

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

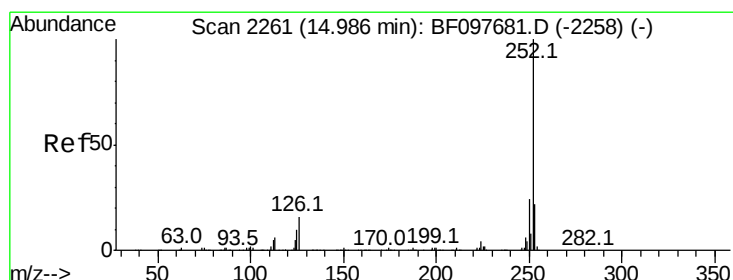
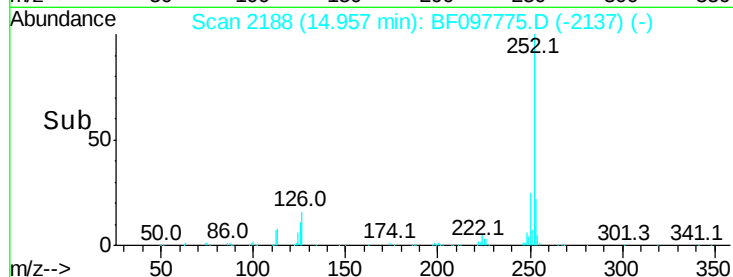
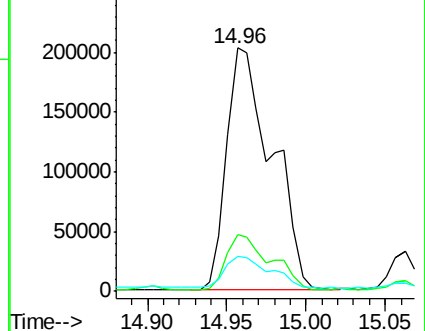
125 14.3 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 26.328 ng

RT: 14.96 min Scan# 2188

Delta R.T. -0.03 min

Lab File: BF097775.D

Acq: 17 Aug 2017 8:42

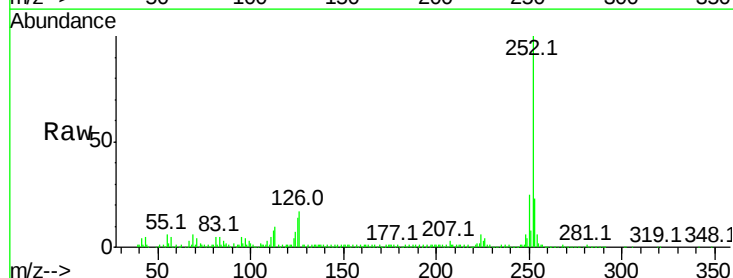
Tgt Ion:252 Resp: 405568

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

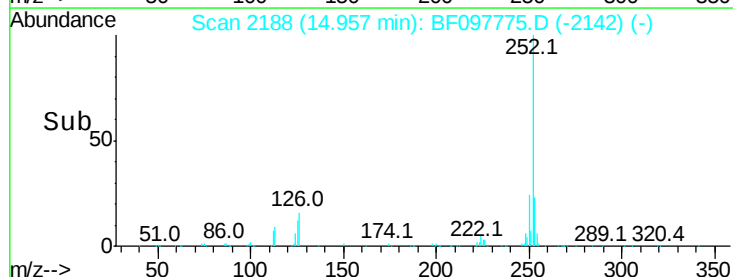
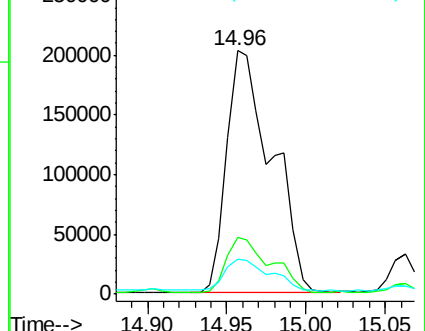
125 14.3 13.1 19.7

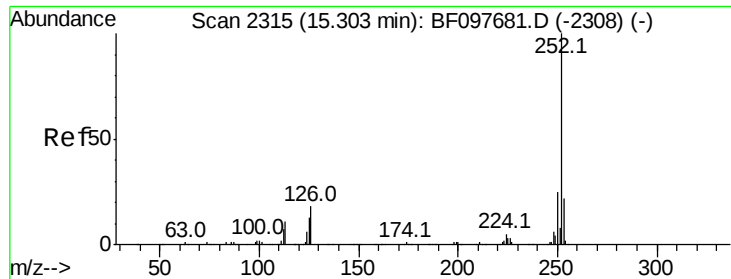


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

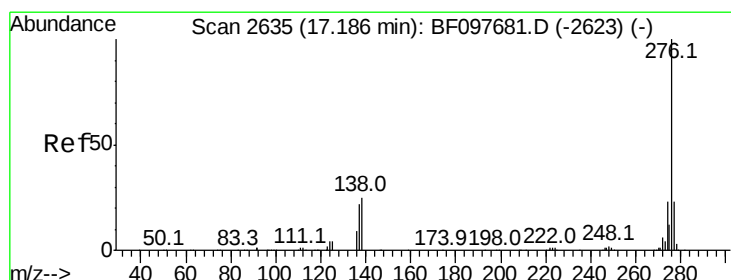
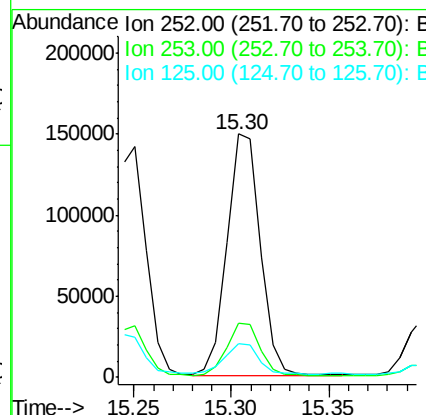
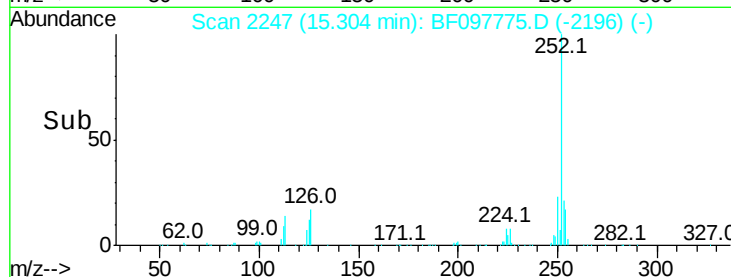
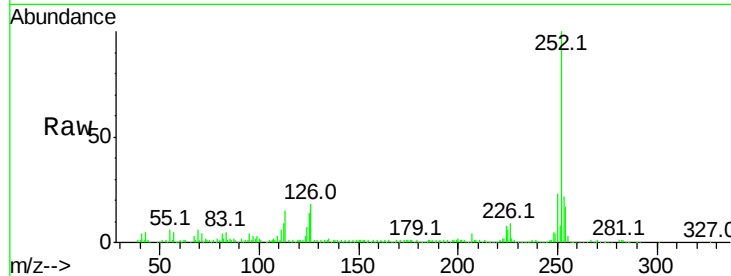




#89
Benzo(a)pyrene
Concen: 12.288 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Instrument :
BNA_F
ClientSampleId :
E2-J10-ESW

Tot Ion:252 Resp: 178368
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 14.1 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 9.806 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BF097775.D
Acq: 17 Aug 2017 8:42

Tgt Ion:276 Resp: 120905
Ion Ratio Lower Upper
276 100
277 23.2 18.6 28.0
138 28.0 25.4 38.0

