

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097763.D
 Acq On : 17 Aug 2017 3:07
 Operator : SJ/JU
 Sample : I4773-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-SSW

Quant Time: Aug 17 07:32:22 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	127435	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	502521	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	205688	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	303729	20.00	ng	0.00
75) Chrysene-d12	13.93	240	245794	20.00	ng	0.00
86) Perylene-d12	15.36	264	214796	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1033286	123.33	ng	0.00
7) Phenol-d6	6.42	99	1366023	120.00	ng	0.00
23) Nitrobenzene-d5	7.35	82	851256	92.02	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	206800	115.88	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1133628	80.97	ng	0.00
78) Terphenyl-d14	12.89	244	519347	44.06	ng	0.00

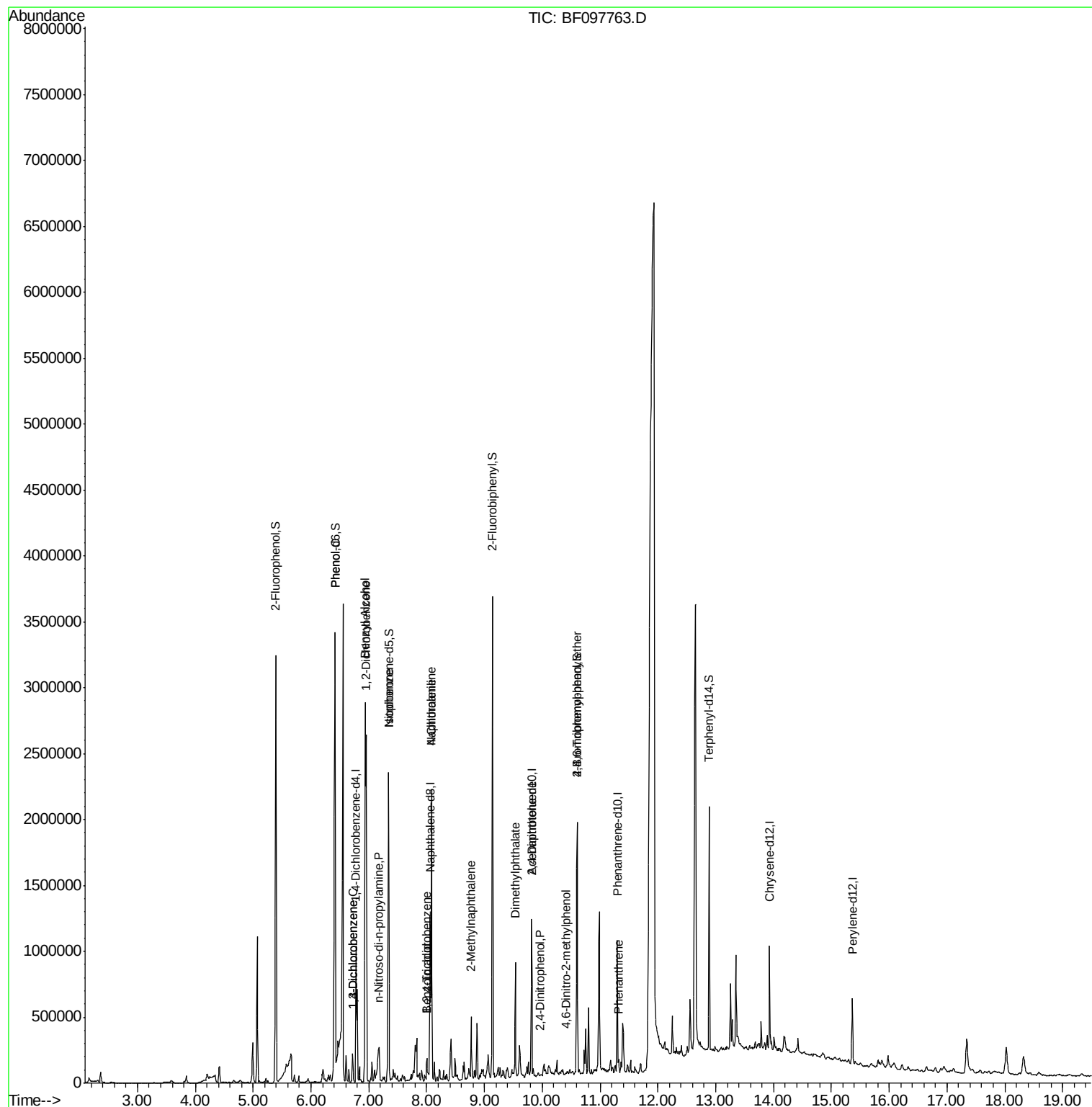
Target Compounds						Qvalue
10) Phenol	6.42	94	46726	3.51	ng	91
12) 1,3-Dichlorobenzene	6.72	146	37594	3.96	ng	# 92
13) 1,4-Dichlorobenzene	6.72	146	37594	3.89	ng	93
14) 1,2-Dichlorobenzene	6.95	146	493154	55.33	ng	98
15) Benzyl Alcohol	6.94	79	17053	2.00	ng	# 36
19) n-Nitroso-di-n-propylamine	7.17	70	17009	2.18	ng	# 47
25) Isophorone	7.35	82	849099	44.14	ng	# 67
30) 1,2,4-Trichlorobenzene	8.00	180	18626	2.52	ng	97
31) Naphthalene	8.09	128	869178	33.32	ng	99
32) Benzoic acid	8.01	122	1089	6.57	ng	82
33) 4-Chloroaniline	8.09	127	117159	10.65	ng	# 35
37) 2-Methylnaphthalene	8.77	142	103934	6.50	ng	97
49) Dimethylphthalate	9.53	163	287503	19.12	ng	100
53) 2,4-Dinitrophenol	9.96	184	447	10.42	ng	# 72
56) 2,4-Dinitrotoluene	9.82	165	26731	7.10	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.40	198	666	8.71	ng	# 74
66) 4-Bromophenyl-phenylether	10.60	248	14055	4.46	ng	# 1
70) Phenanthrene	11.32	178	33147	2.05	ng	98

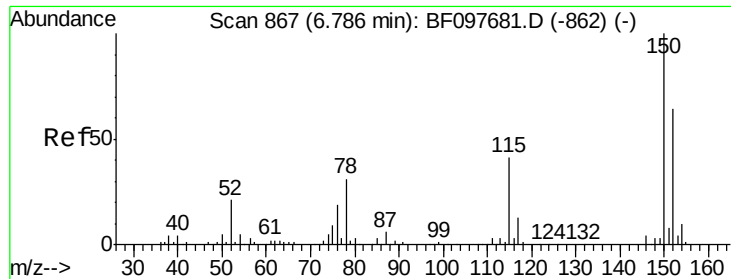
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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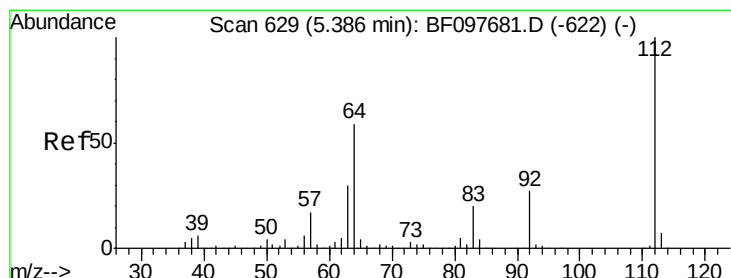
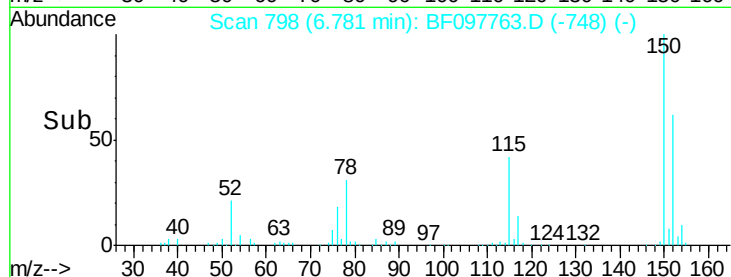
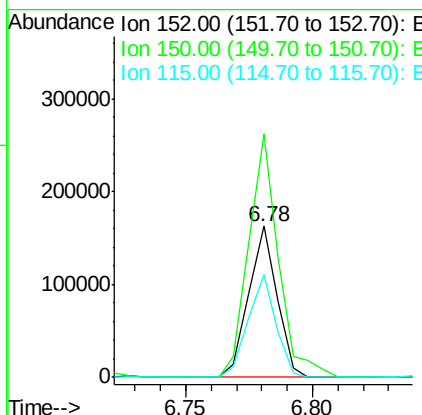
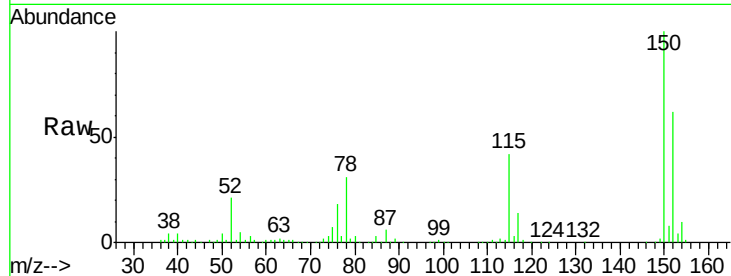


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Instrument :
BNA_F
ClientSampleId :
E2-J10-SSW

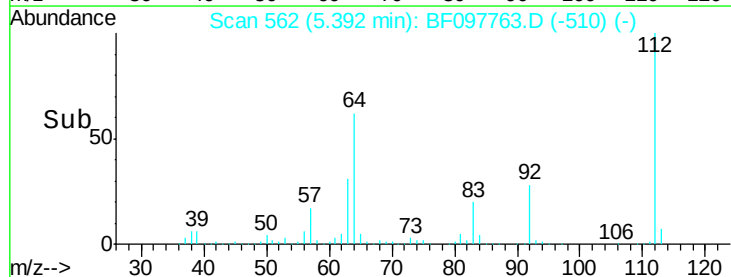
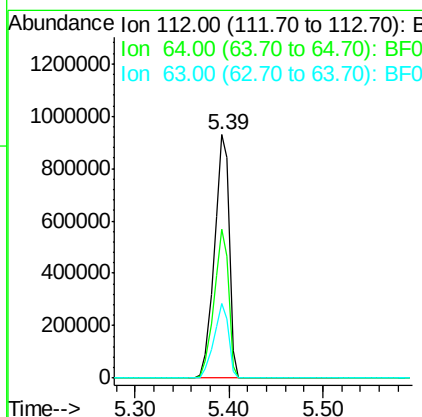
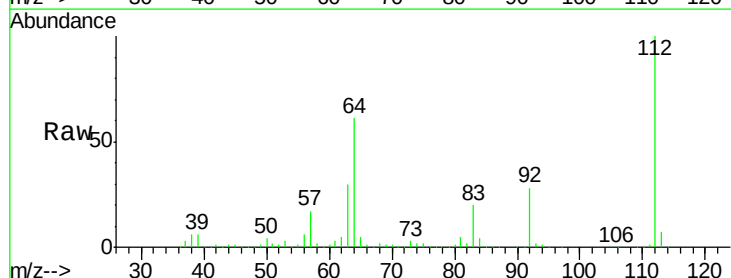
Tot Ion:152 Resp: 127435
Ion Ratio Lower Upper
152 100
150 161.1 126.2 189.2
115 67.7 52.2 78.2

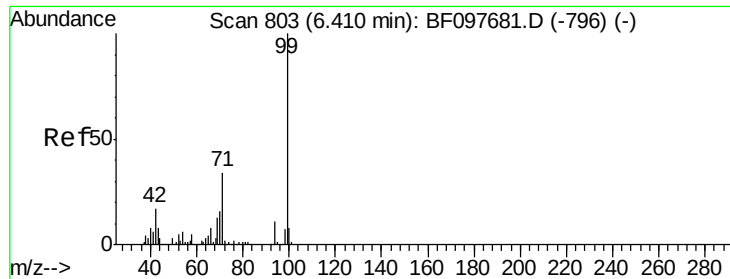


#5

2-Fluorophenol
Concen: 123.33 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Tgt Ion:112 Resp: 1033286
Ion Ratio Lower Upper
112 100
64 61.2 46.0 69.0
63 30.5 23.4 35.0





#7

Phenol-d6

Concen: 120.00 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-J10-SSW

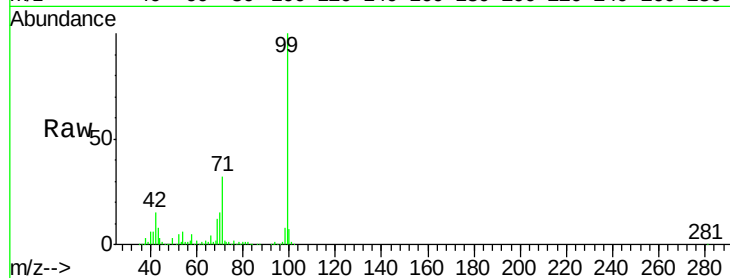
Tot Ion: 99 Resp: 1366023

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

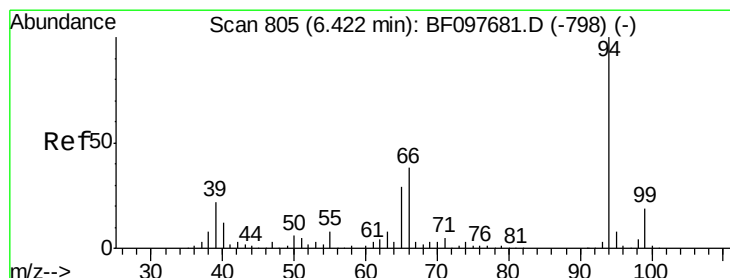
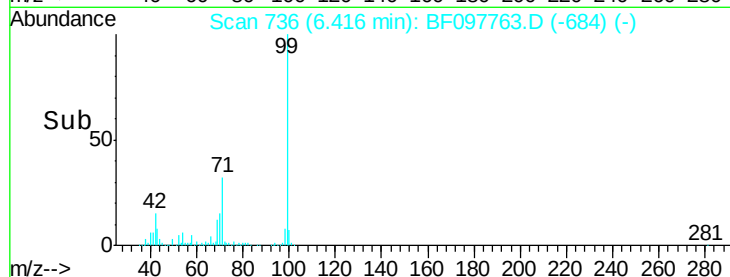
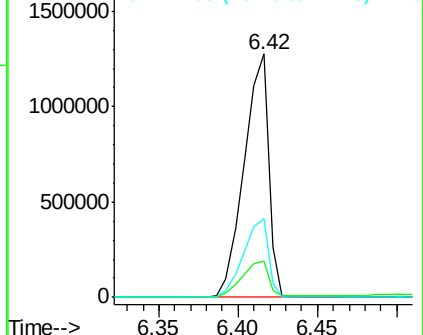
71 32.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.51 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

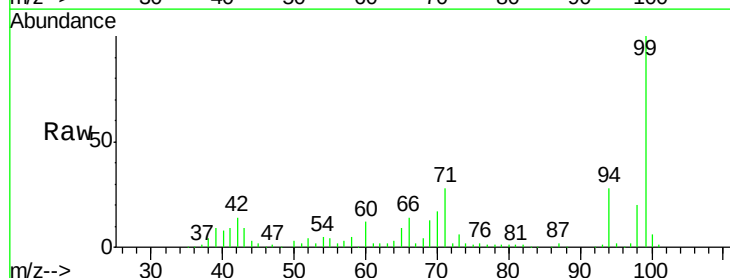
Tgt Ion: 94 Resp: 46726

Ion Ratio Lower Upper

94 100

65 31.6 9.9 49.9

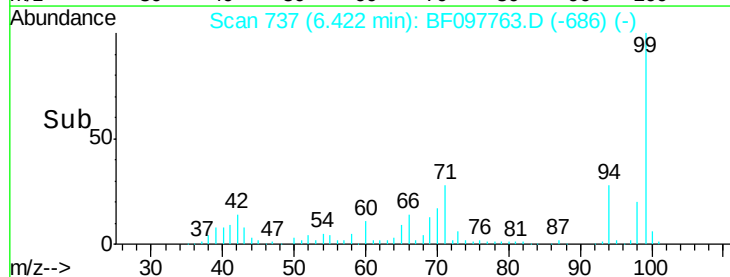
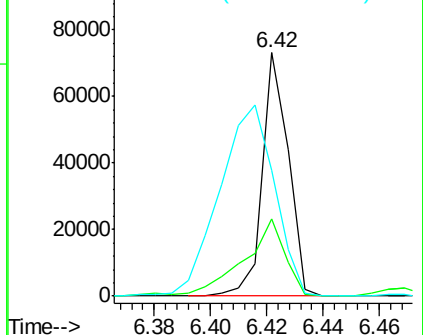
66 51.7 23.1 63.1

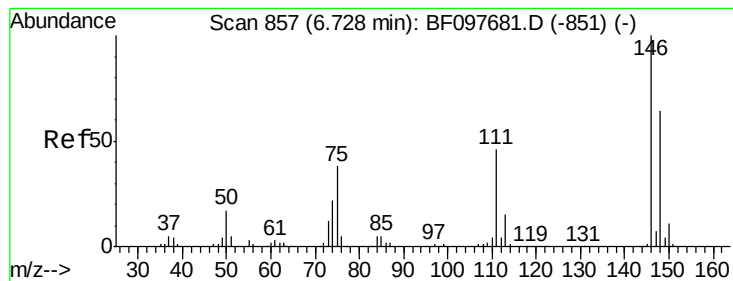


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#12

1,3-Dichlorobenzene

Concen: 3.96 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-J10-SSW

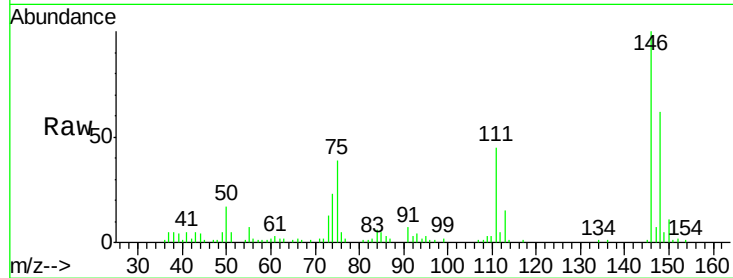
Tot Ion:146 Resp: 37594

Ion Ratio Lower Upper

146 100

148 62.5 51.8 77.6

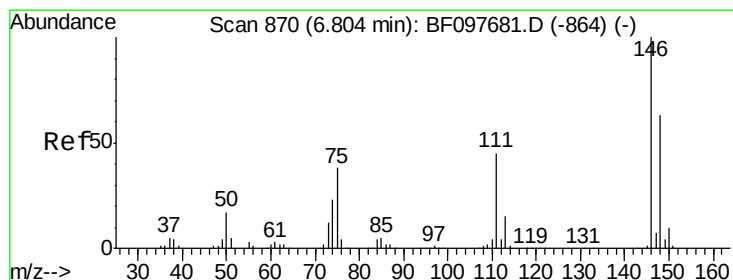
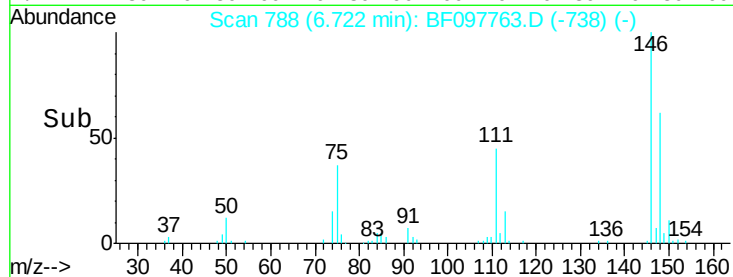
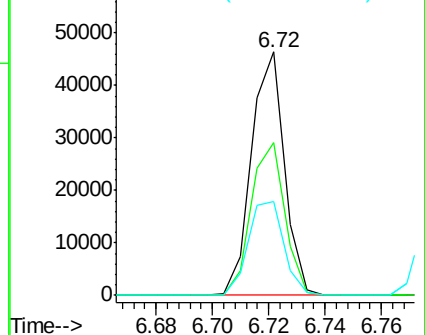
75 38.8 23.1 34.7#



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: 3.89 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.08 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

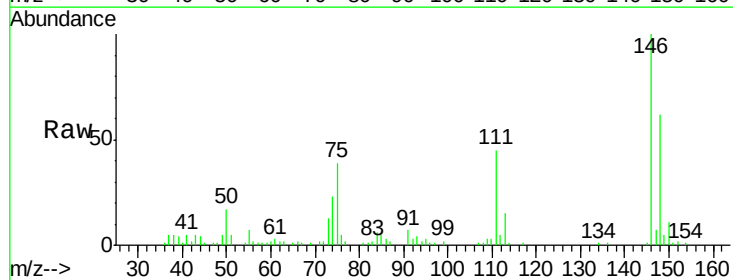
Tgt Ion:146 Resp: 37594

Ion Ratio Lower Upper

146 100

148 62.5 52.2 78.2

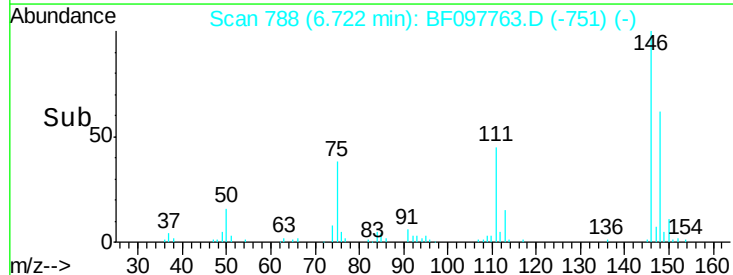
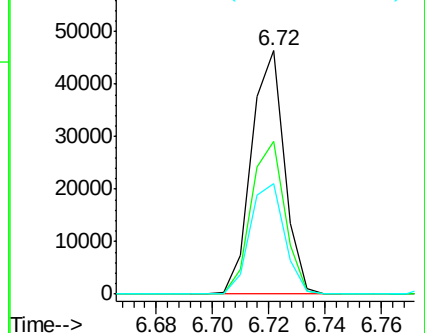
111 45.3 30.3 45.5

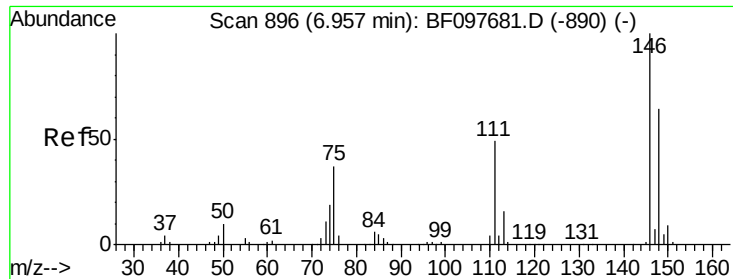


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

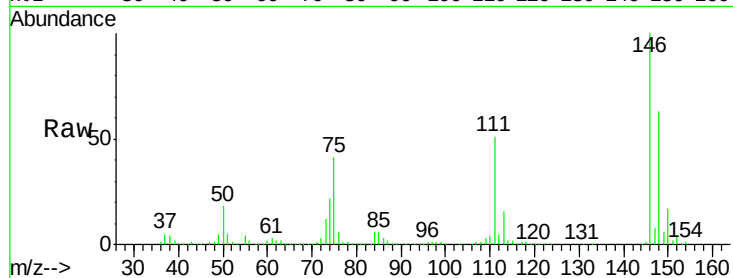




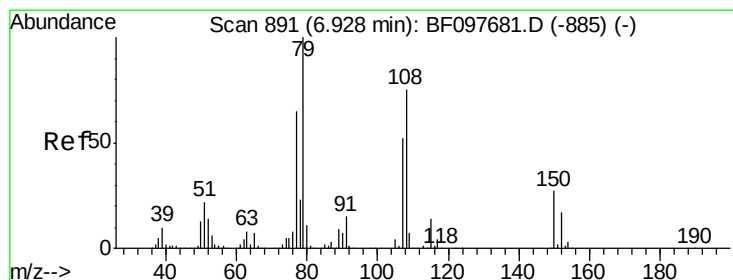
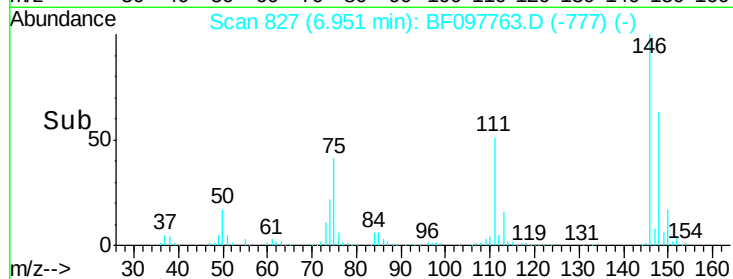
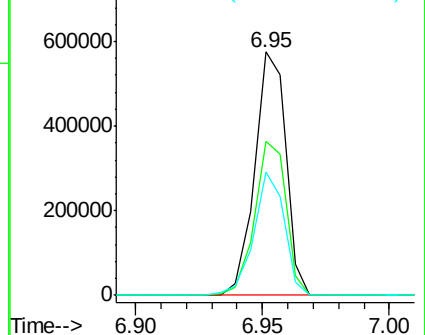
#14
 1,2-Dichlorobenzene
 Concen: 55.33 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

Instrument :
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 ClientSampleId :
 E2-J10-SSW

Tot Ion:146 Resp: 493154
 Ion Ratio Lower Upper
 146 100
 148 63.3 50.4 75.6
 111 50.6 38.2 57.4

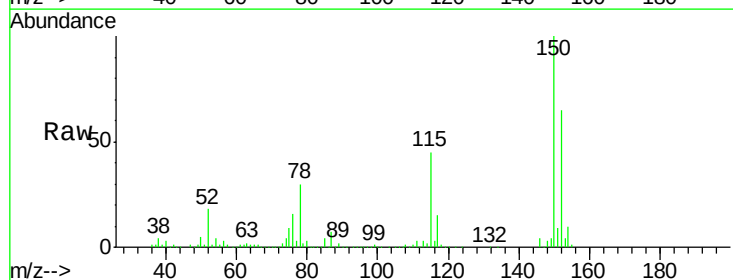


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

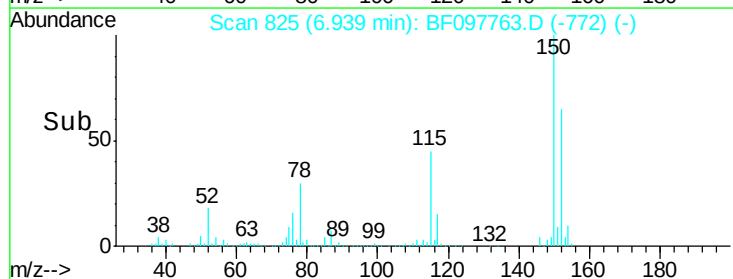
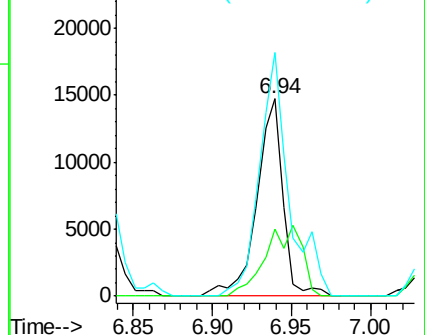


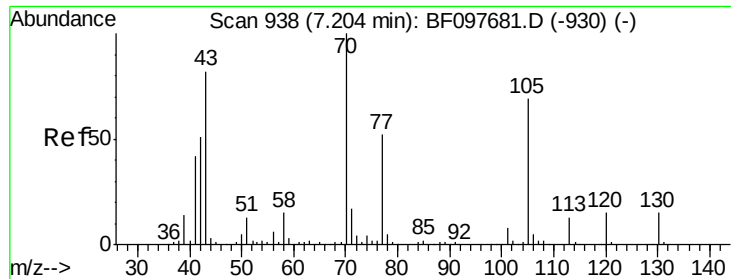
#15
 Benzyl Alcohol
 Concen: 2.00 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

Tgt Ion: 79 Resp: 17053
 Ion Ratio Lower Upper
 79 100
 108 34.3 63.4 95.0#
 77 123.6 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

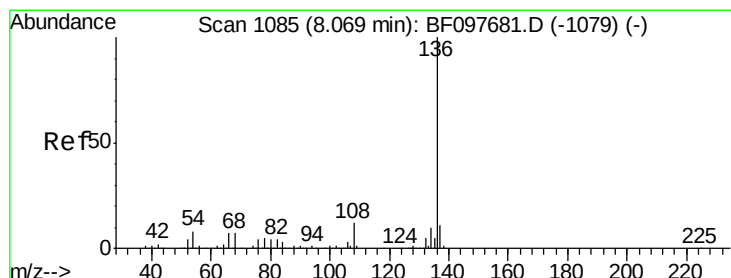
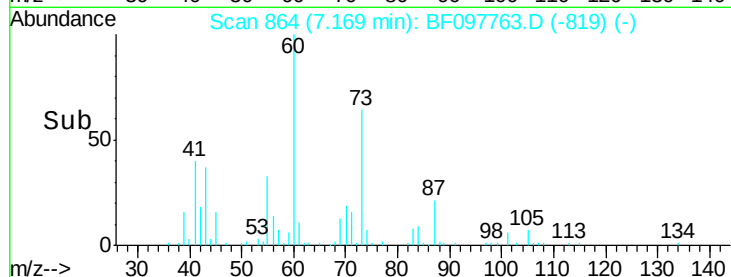
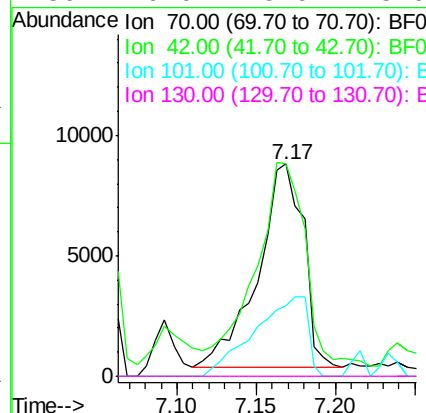
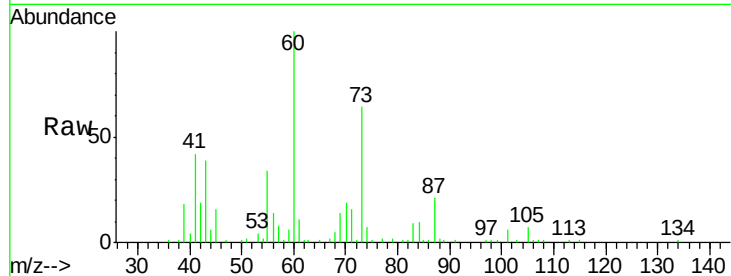




#19
n-Nitroso-di-n-propylamine
Concen: 2.18 ng
RT: 7.17 min Scan# 864
Delta R.T. -0.04 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

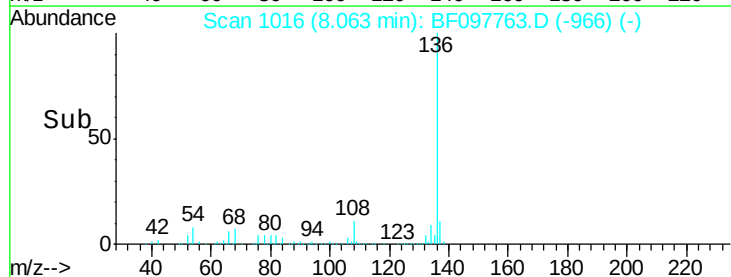
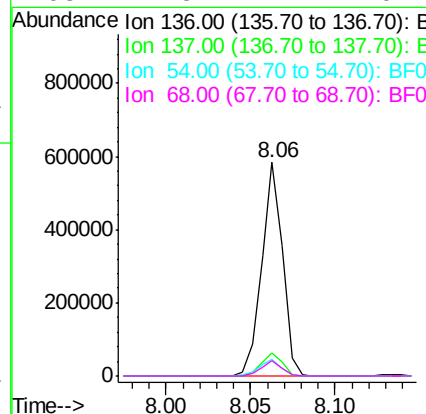
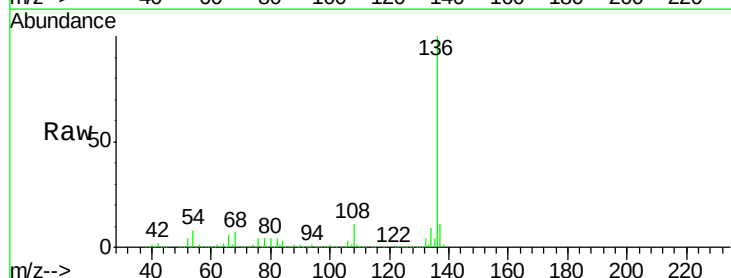
Instrument :
BNA_F
ClientSampleId :
E2-J10-SSW

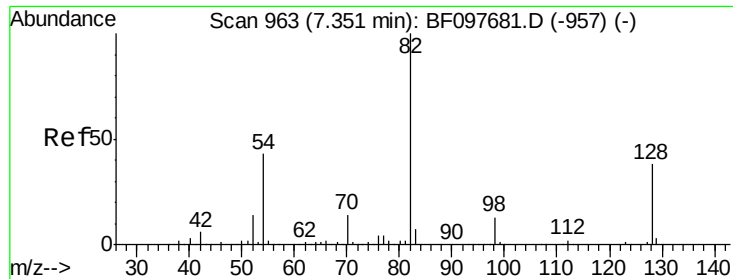
Tot Ion: 70 Resp: 17009
Ion Ratio Lower Upper
70 100
42 100.0 47.2 70.8#
101 33.5 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Tgt Ion: 136 Resp: 502521
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.9 4.9 7.3#
68 7.3 4.1 6.1#

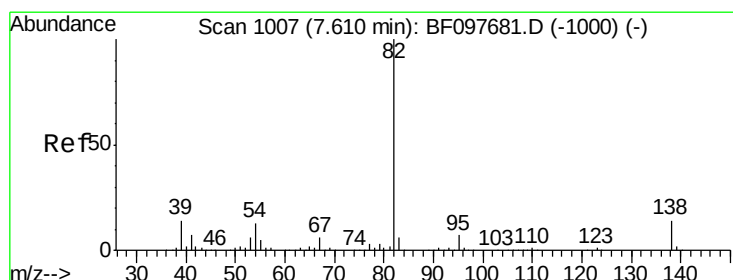
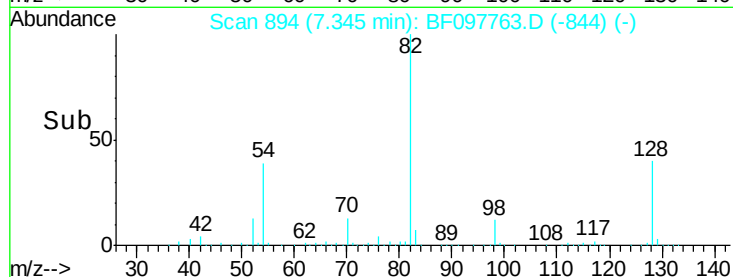
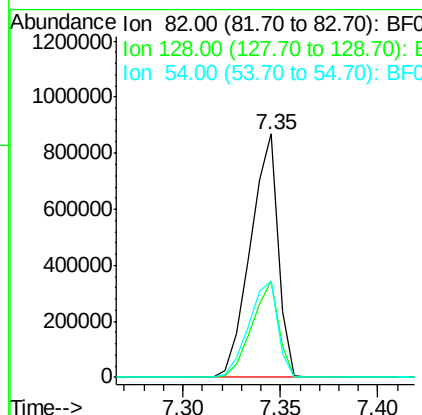
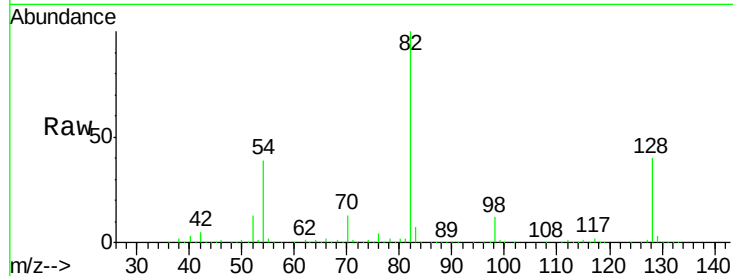




#23
Nitrobenzene-d5
Concen: 92.02 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

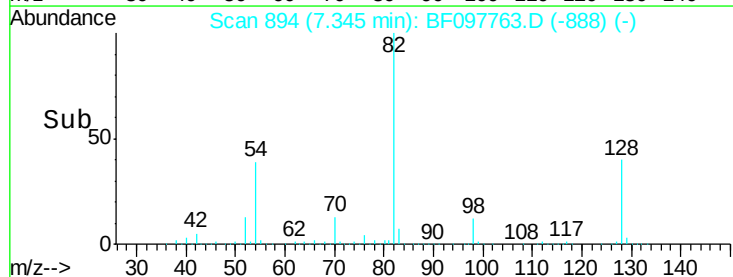
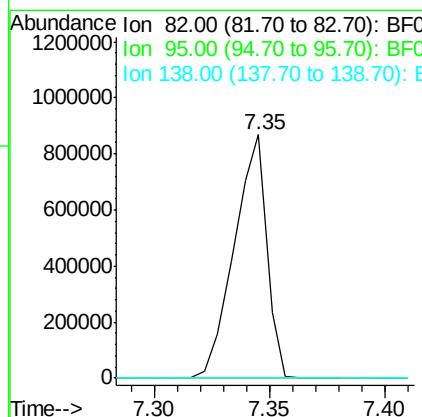
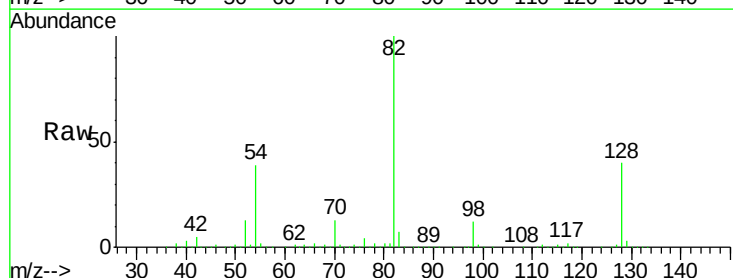
Instrument :
BNA_F
ClientSampleId :
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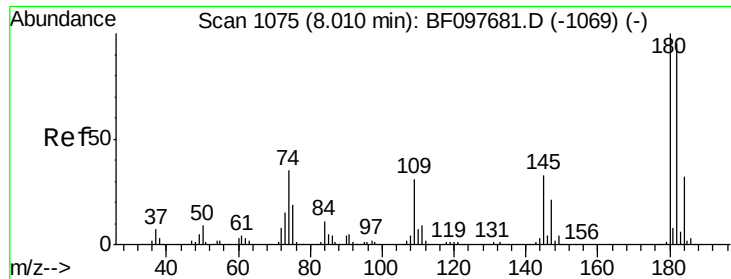
Tot Ion	82	Resp	851256
Ion Ratio	Lower	Upper	
82	100		
128	39.7	34.0	51.0
54	39.4	42.2	63.2#



#25
Isophorone
Concen: 44.14 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Tgt Ion	82	Resp	849099
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

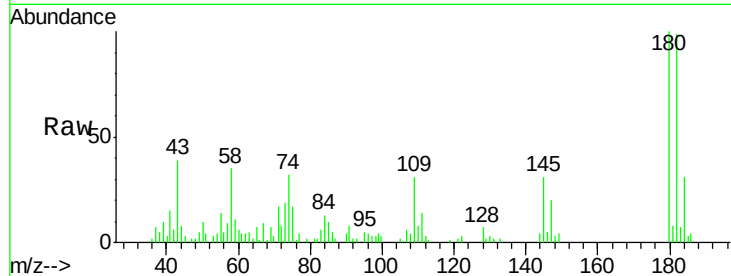




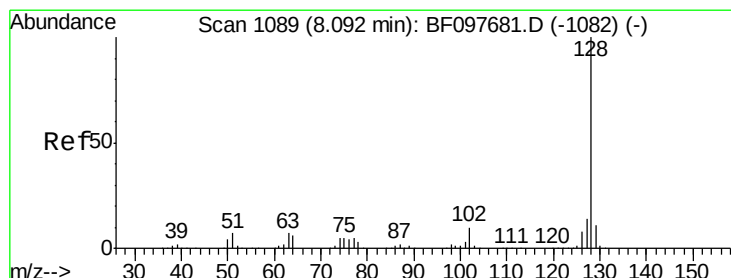
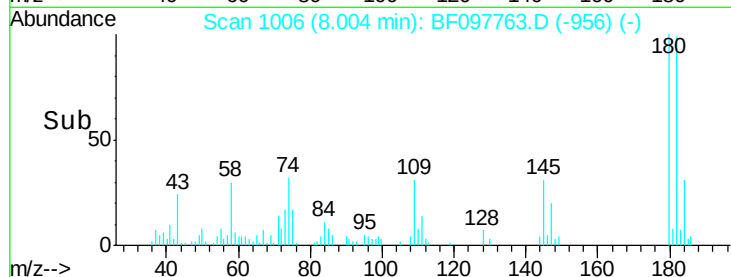
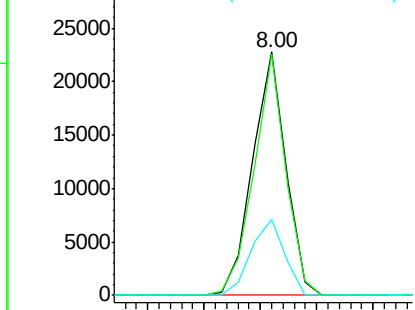
#30
 1,2,4-Trichlorobenzene
 Concen: 2.52 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-SSW

Tot Ion:180 Resp: 18626
 Ion Ratio Lower Upper
 180 100
 182 99.0 75.8 113.6
 145 31.4 25.3 37.9

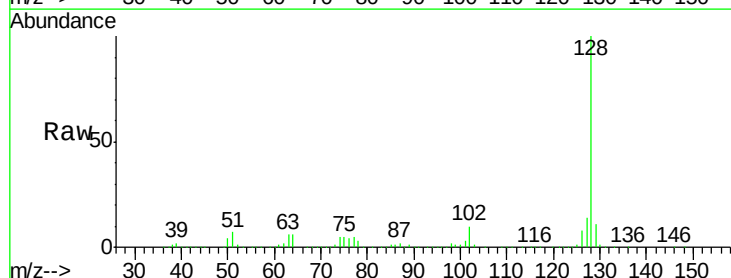


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

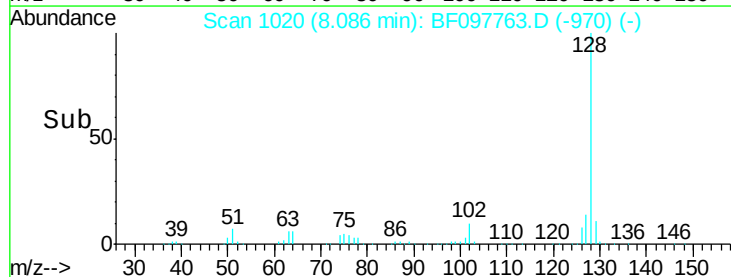
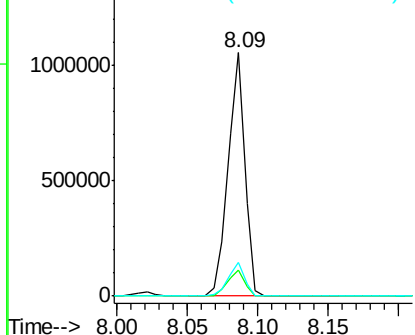


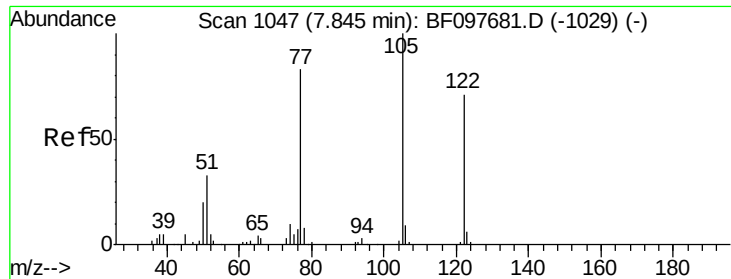
#31
 Naphthalene
 Concen: 33.32 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

Tgt Ion:128 Resp: 869178
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.6
 127 13.7 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

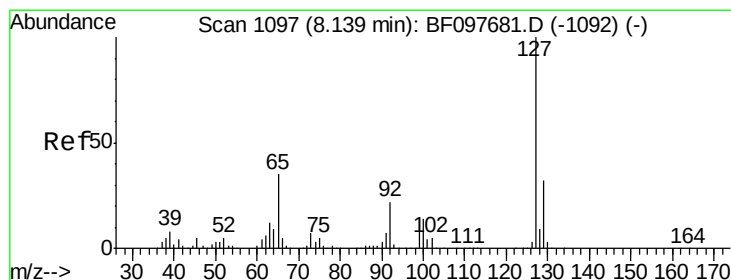
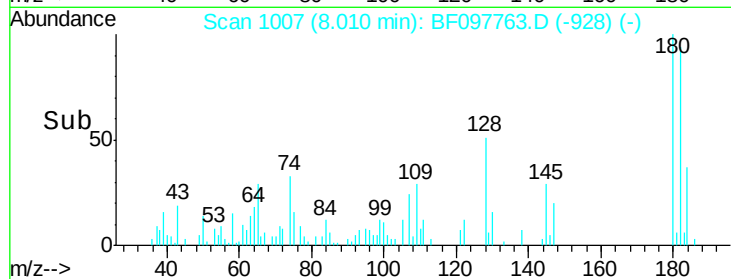
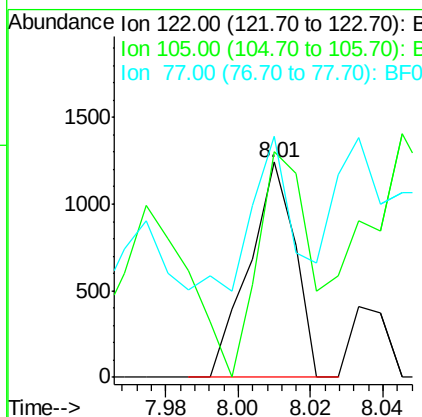
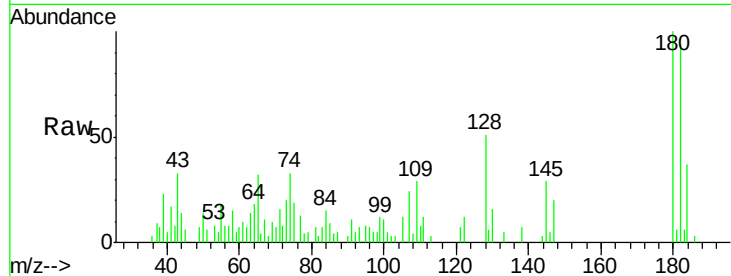




#32
Benzoic acid
Concen: 6.57 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.16 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

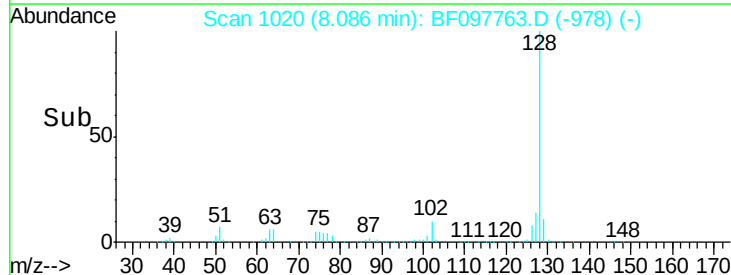
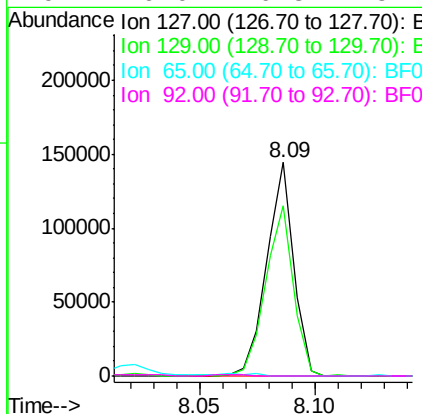
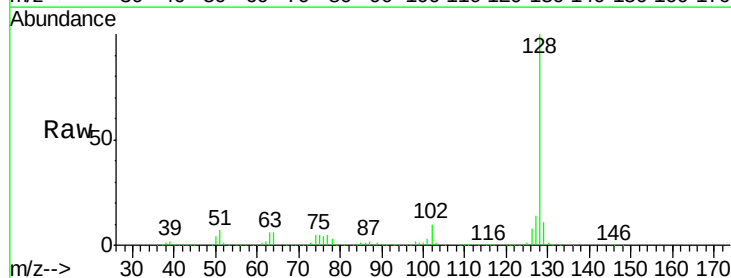
Instrument :
BNA_F
ClientSampleId :
E2-J10-SSW

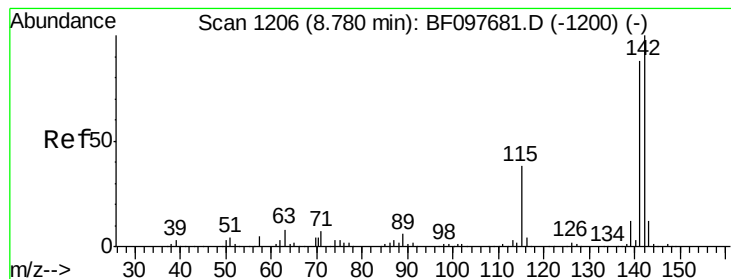
Tot Ion:122 Resp: 1089
Ion Ratio Lower Upper
122 100
105 104.7 103.3 143.3
77 112.2 73.7 113.7



#33
4-Chloroaniline
Concen: 10.65 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.05 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Tgt Ion:127 Resp: 117159
Ion Ratio Lower Upper
127 100
129 79.7 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 6.50 ng

RT: 8.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-J10-SSW

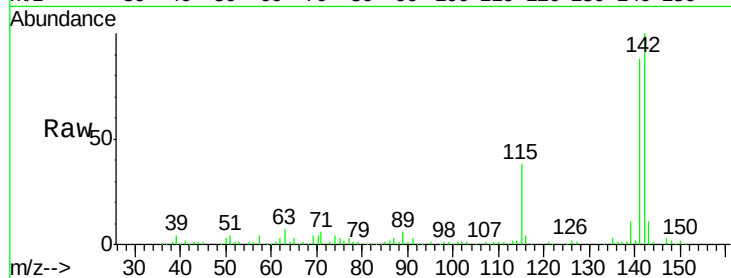
Tot Ion:142 Resp: 103934

Ion Ratio Lower Upper

142 100

141 88.1 71.3 106.9

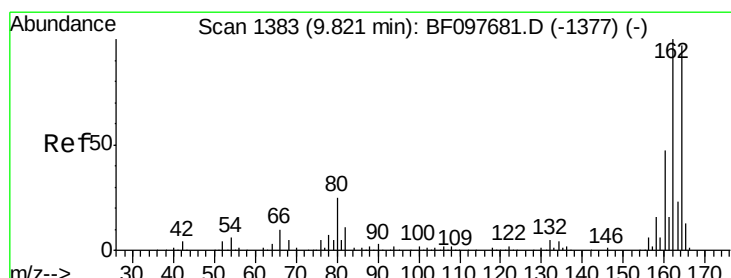
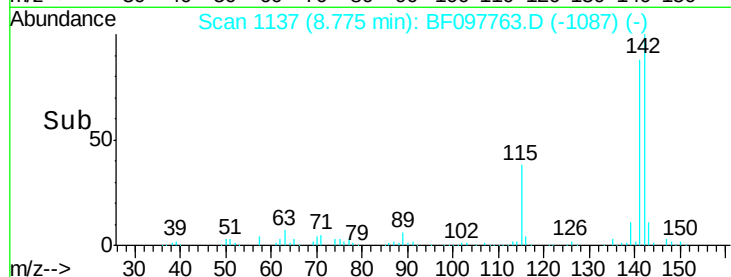
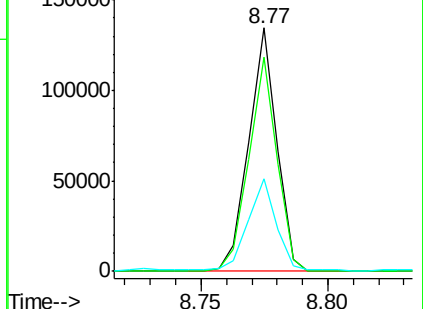
115 38.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

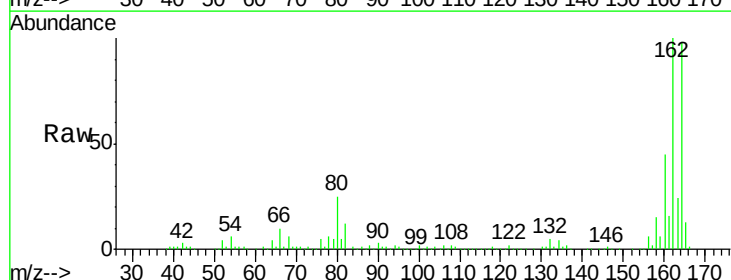
Tgt Ion:164 Resp: 205688

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

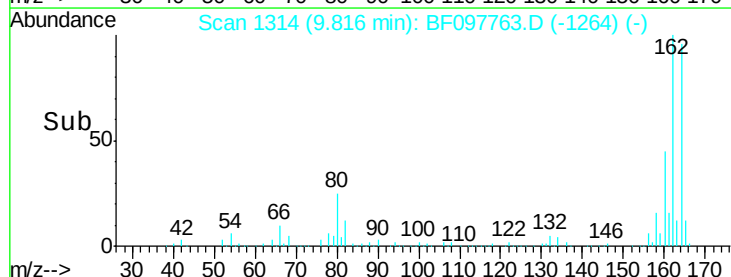
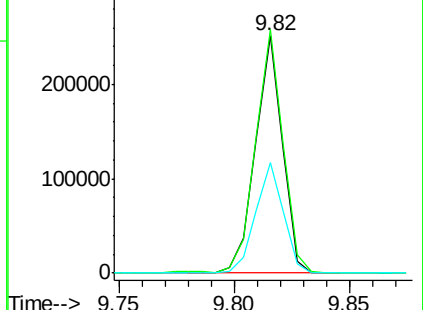
160 46.5 36.2 54.2

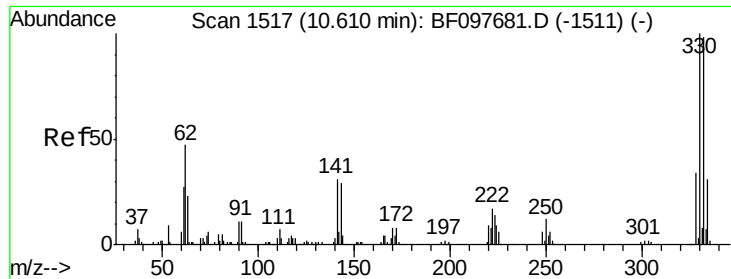


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

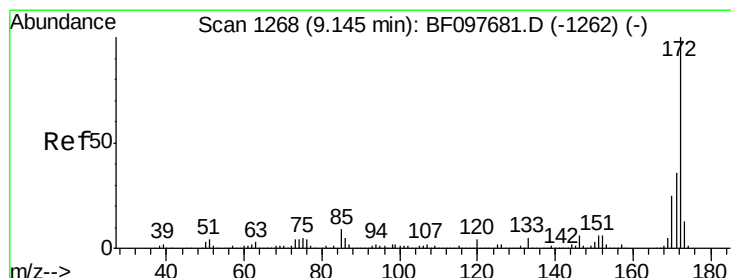
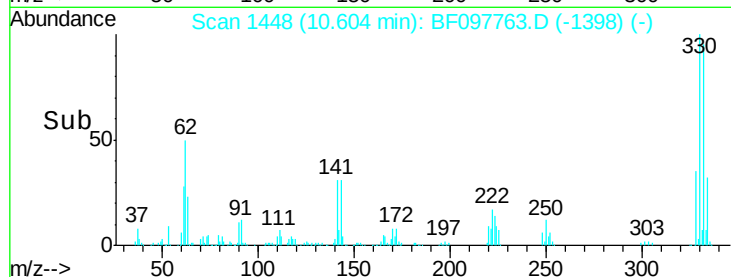
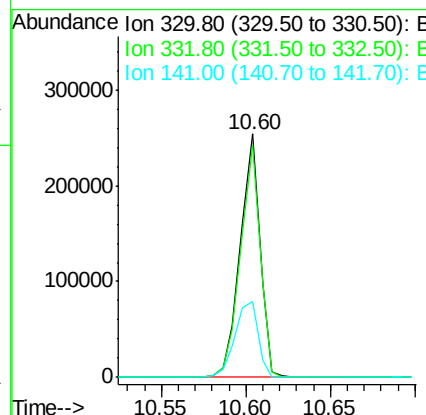
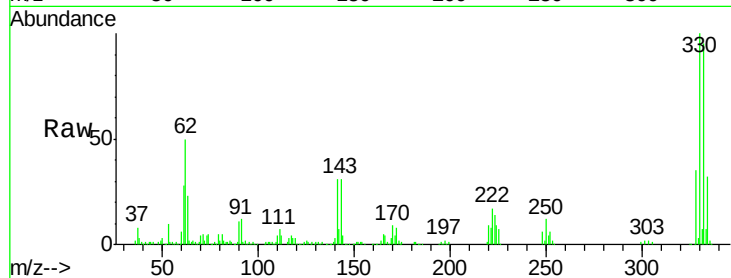




#41
 2,4,6-Tribromophenol
 Concen: 115.88 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

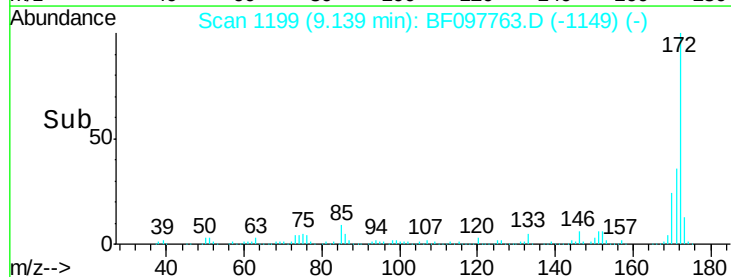
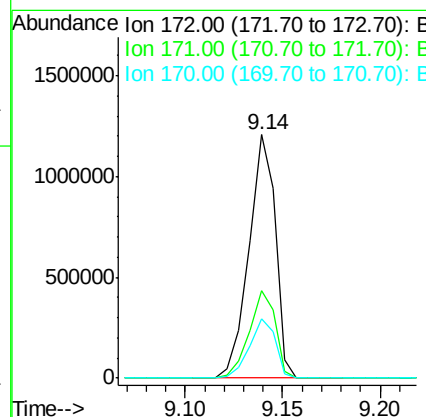
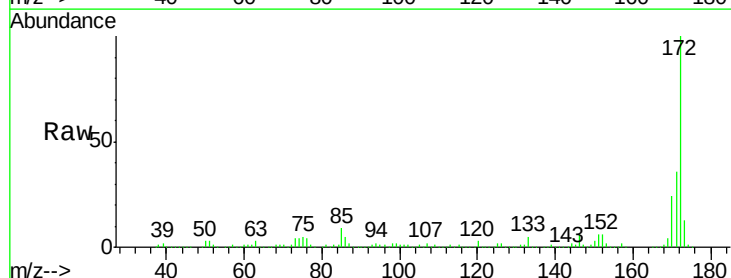
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-SSW

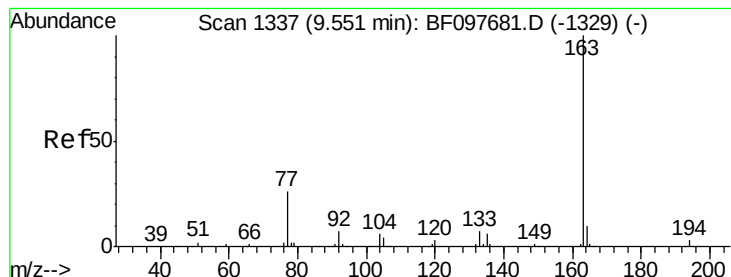
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	36.4	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 80.97 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.2	19.8	29.8





#49

Dimethylphthalate

Concen: 19.12 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-J10-SSW

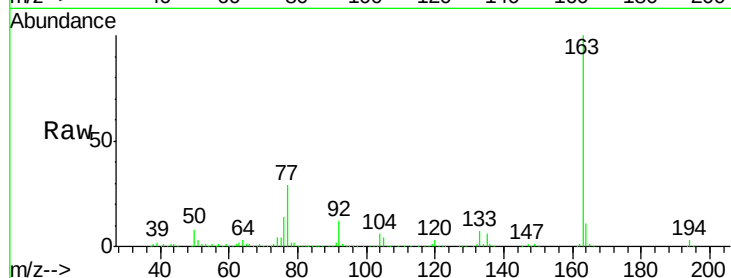
Tot Ion:163 Resp: 287503

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

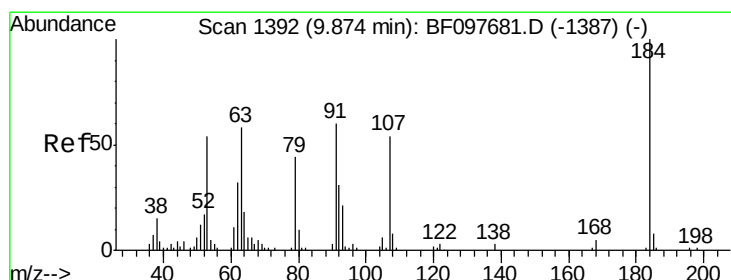
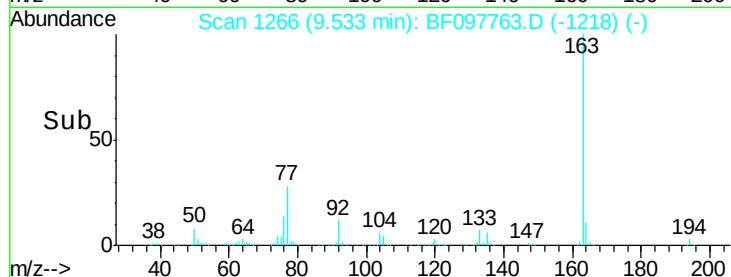
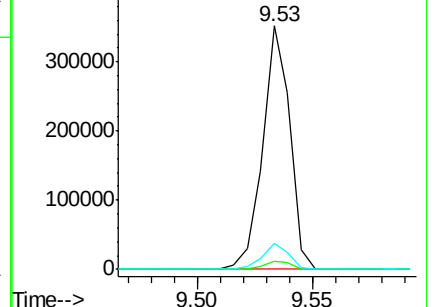
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 10.42 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.09 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

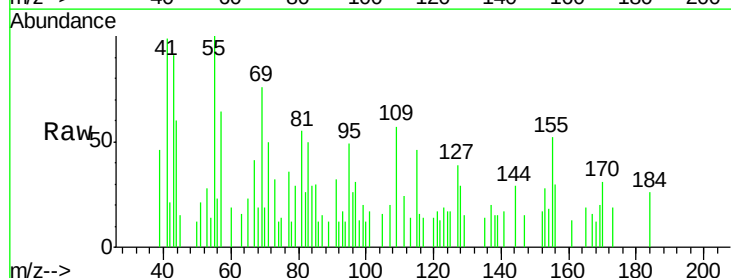
Tgt Ion:184 Resp: 447

Ion Ratio Lower Upper

184 100

63 61.8 62.7 94.1#

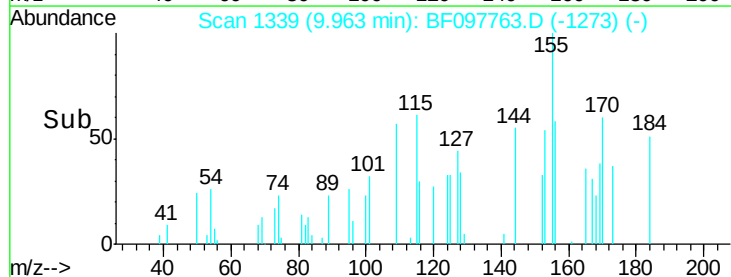
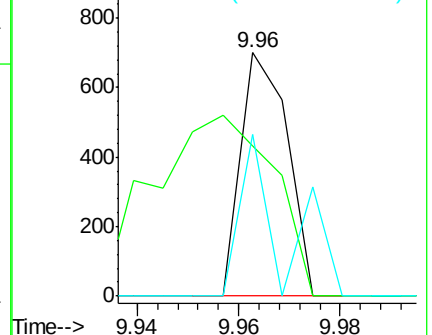
154 66.2 81.1 121.7#

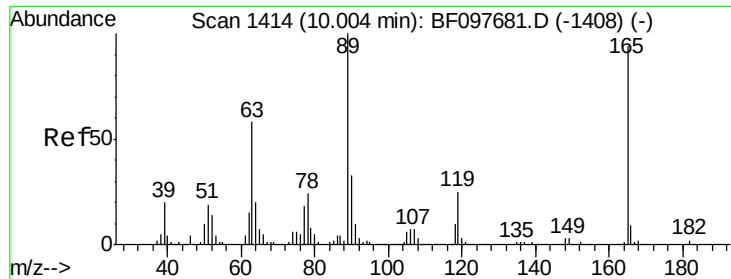


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

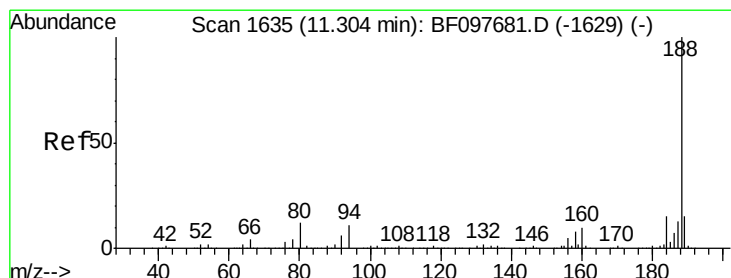
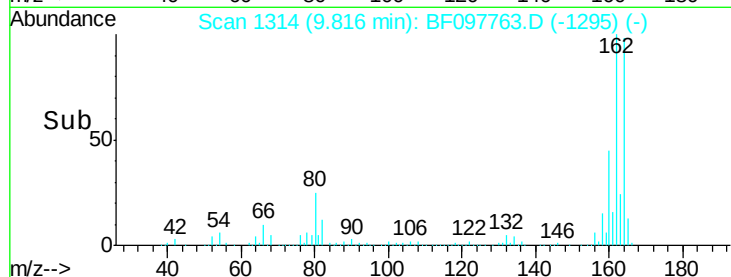
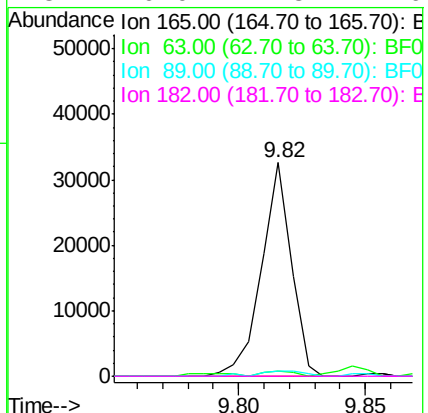
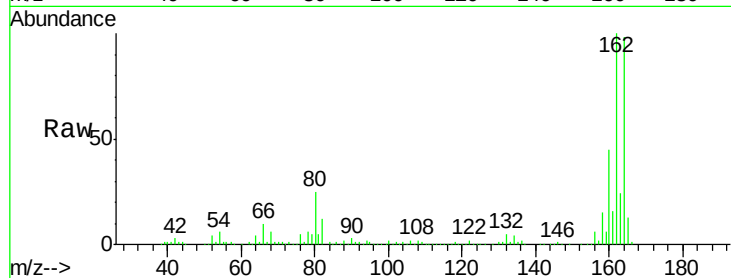




#56
 2,4-Dinitrotoluene
 Concen: 7.10 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

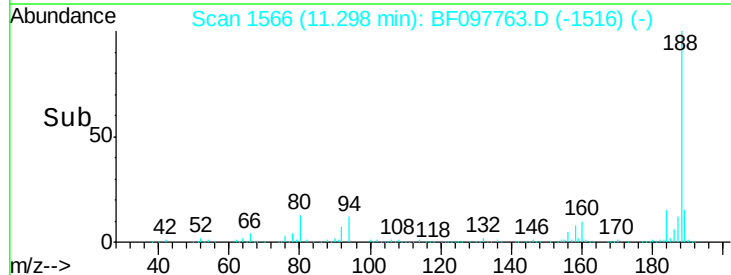
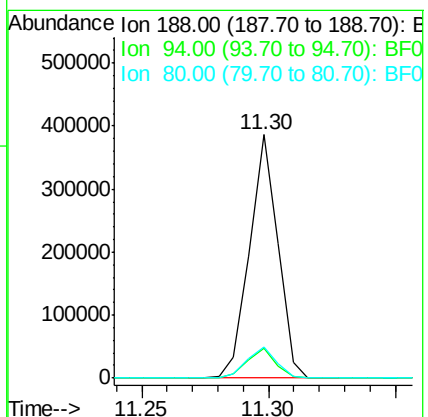
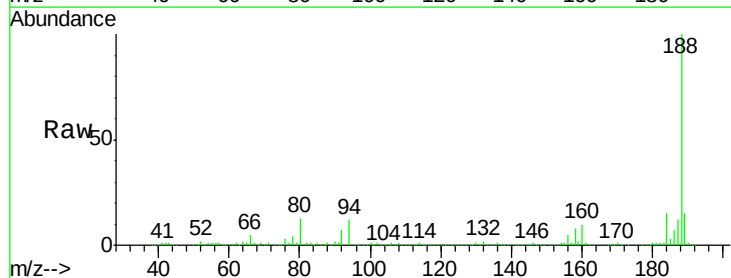
Instrument :
 BNA_F
 ClientSampleId :
 E2-J10-SSW

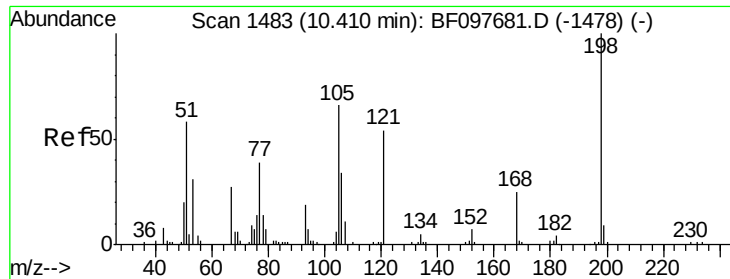
Tot Ion:165	Resp:	26731
Ion Ratio	Lower	Upper
165	100	
63	2.2	25.4 38.0#
89	2.2	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097763.D
 Acq: 17 Aug 2017 3:07

Tgt Ion:188	Resp:	303729
Ion Ratio	Lower	Upper
188	100	
94	12.2	9.4 14.2
80	12.9	10.2 15.2

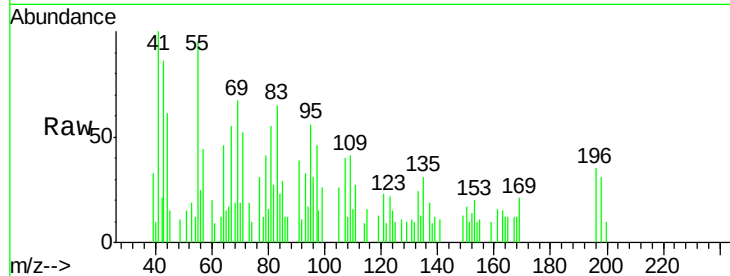




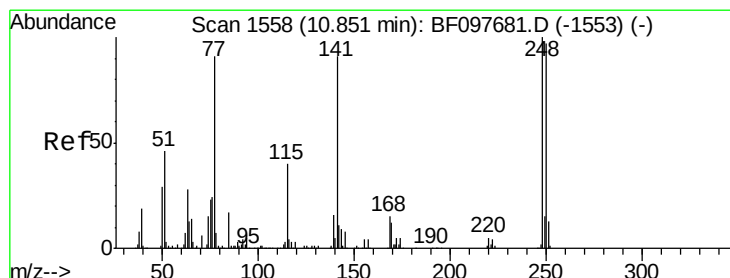
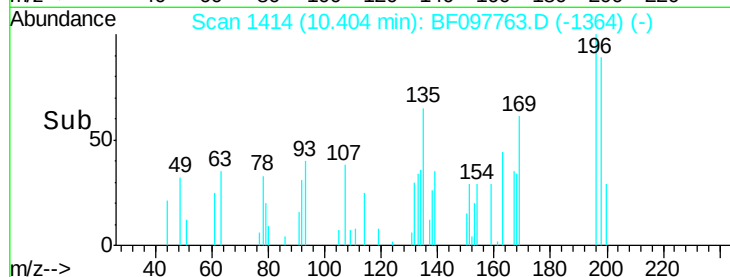
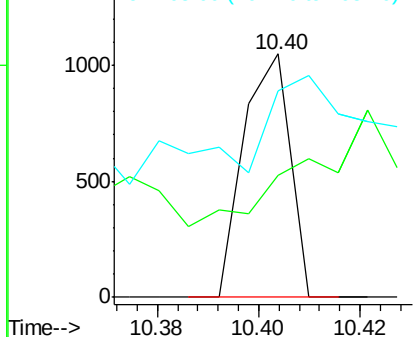
#64
4,6-Dinitro-2-methylphenol
Concen: 8.71 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Instrument :
BNA_F
ClientSampleId :
E2-J10-SSW

Tot Ion:198 Resp: 666
Ion Ratio Lower Upper
198 100
51 50.2 53.2 93.2#
105 85.0 45.8 85.8

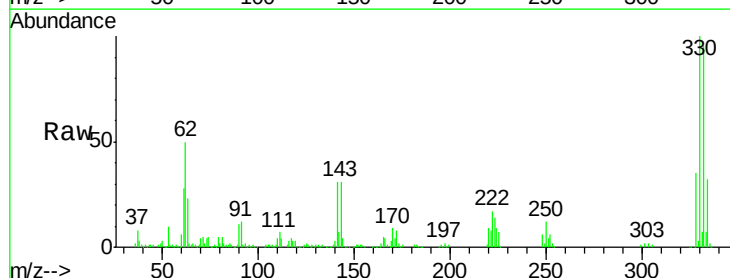


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

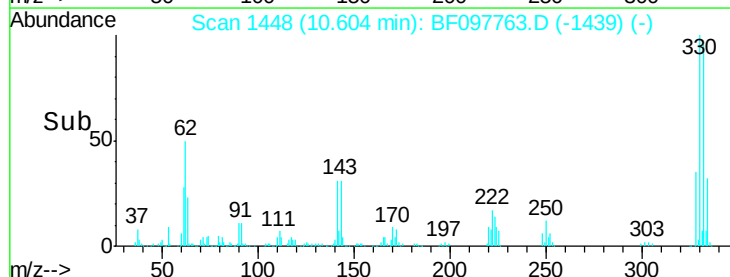
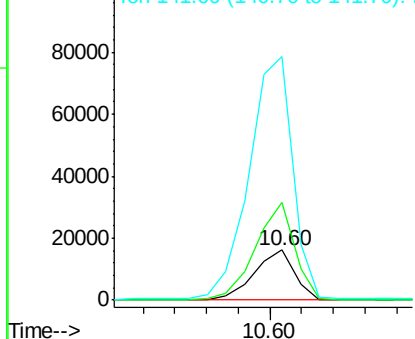


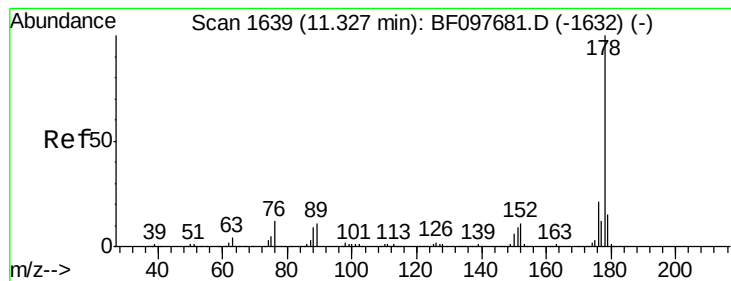
#66
4-Bromophenyl-phenylether
Concen: 4.46 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF097763.D
Acq: 17 Aug 2017 3:07

Tgt Ion:248 Resp: 14055
Ion Ratio Lower Upper
248 100
250 195.2 76.8 115.2#
141 487.8 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.05 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

Instrument :

BNA_F

ClientSampled :

E2-J10-SSW

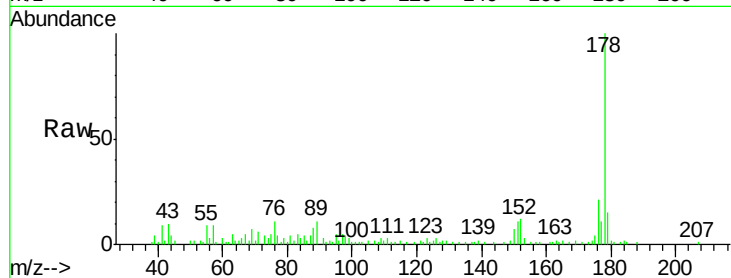
Tot Ion:178 Resp: 33147

Ion Ratio Lower Upper

178 100

176 21.4 16.2 24.4

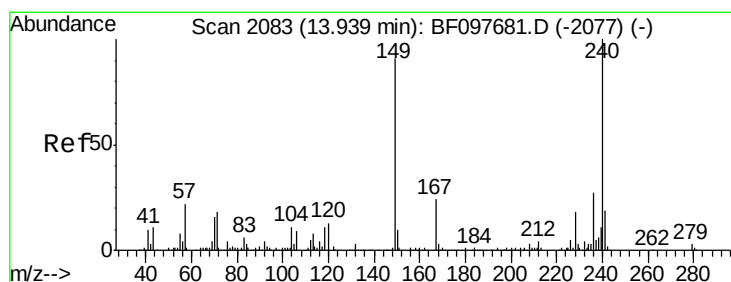
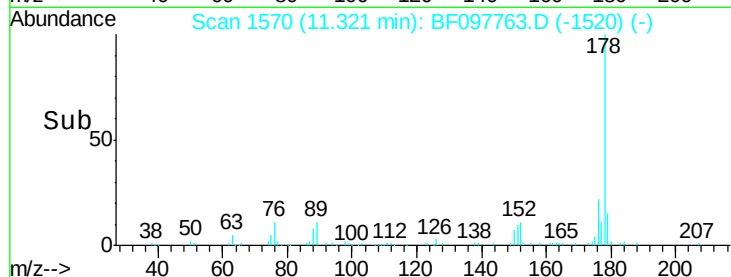
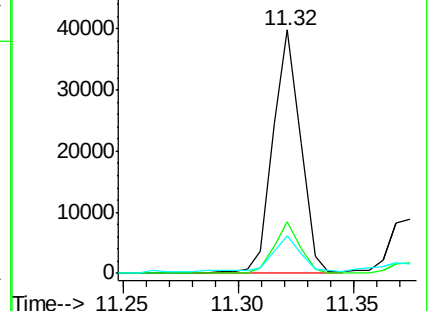
179 15.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

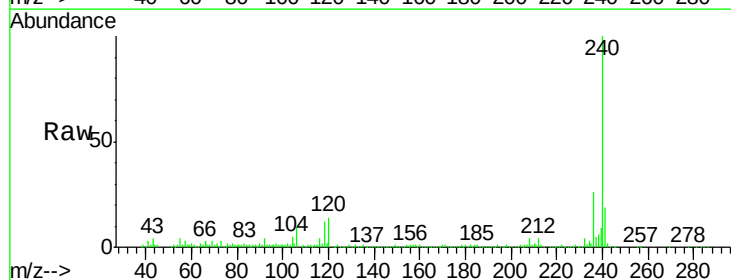
Tgt Ion:240 Resp: 245794

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

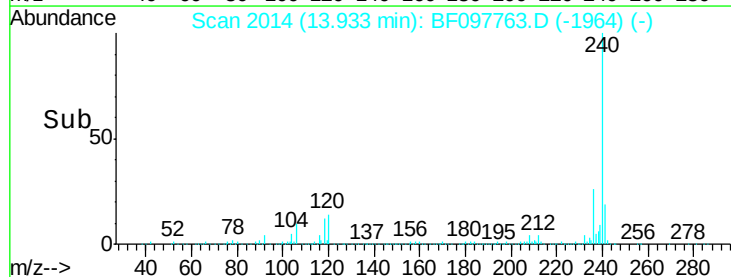
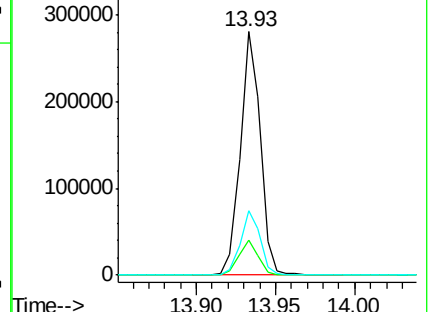
236 26.2 20.5 30.7

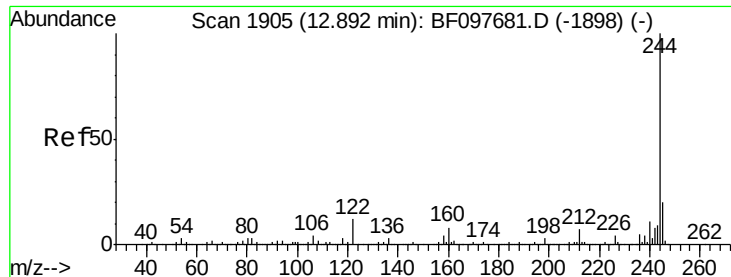


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 44.06 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

Instrument :

BNA_F

ClientSampleId :

E2-J10-SSW

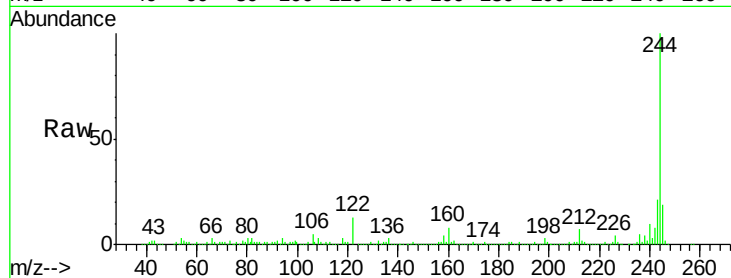
Tot Ion:244 Resp: 519347

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

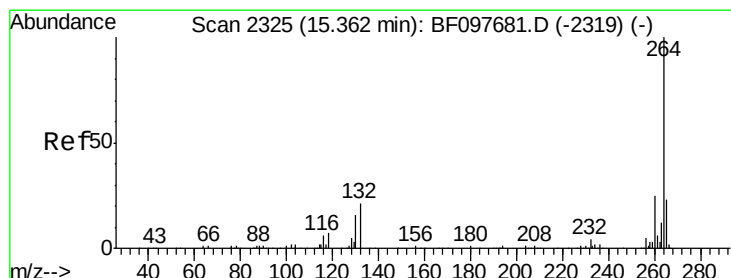
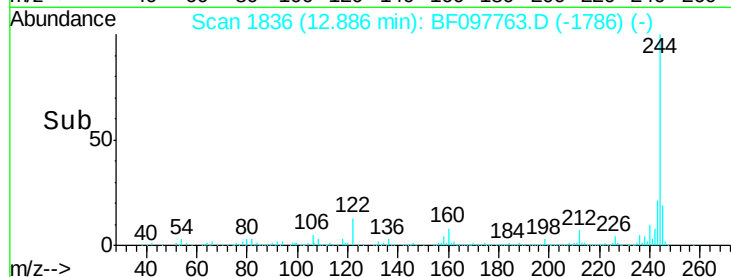
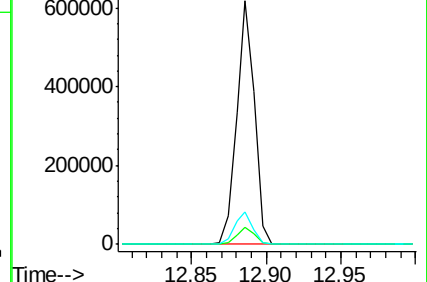
122 13.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097763.D

Acq: 17 Aug 2017 3:07

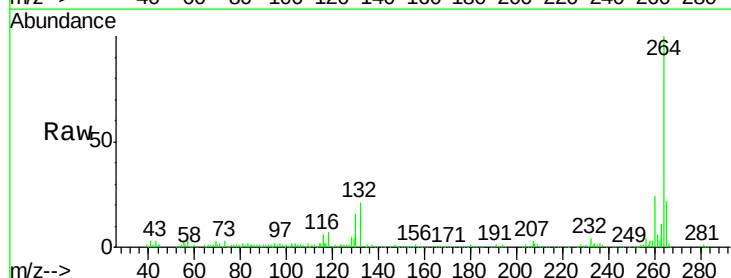
Tgt Ion:264 Resp: 214796

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

