

Data Path : U:\HPCHEM1\BNA F\DATA\BF082317\
 Data File : BF097996.D
 Acq On : 23 Aug 2017 14:20
 Operator : SJ/JU
 Sample : I4901-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 17:49:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	134167	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	541323	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	246408	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	469520	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	288101	20.00	ng	-0.01
86) Perylene-d12	15.30	264	244763	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	763435	86.55	ng	0.00
7) Phenol-d6	6.37	99	1016710	84.83	ng	-0.01
23) Nitrobenzene-d5	7.30	82	627331	62.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	130949	61.25	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	923314	55.05	ng	-0.01
78) Terphenyl-d14	12.84	244	705054	51.03	ng	-0.01

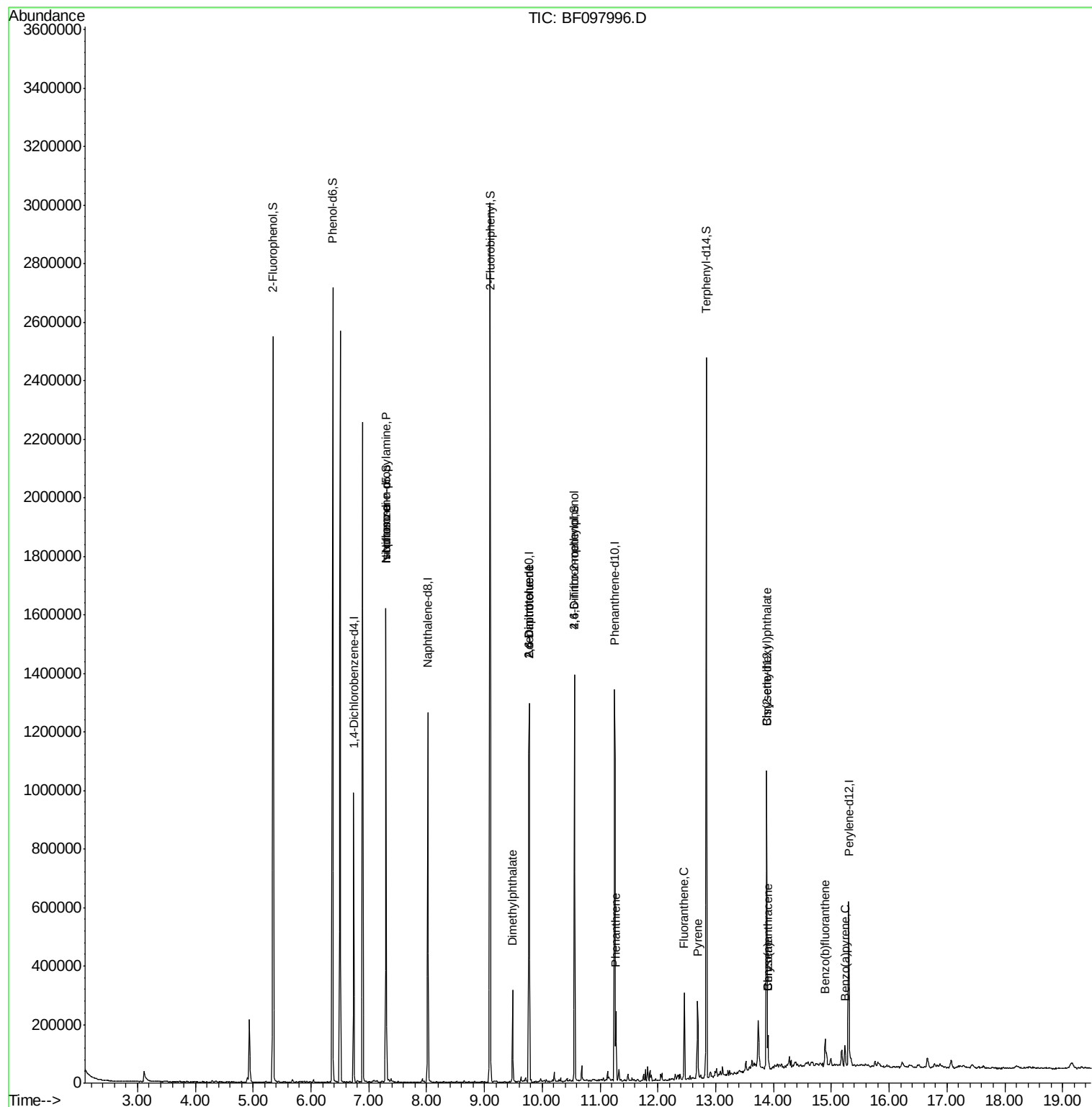
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	85518	10.424	ng	# 72
25) Isophorone	7.30	82	615179	29.690	ng	# 67
49) Dimethylphthalate	9.49	163	113277	6.289	ng	98
50) 2,6-Dinitrotoluene	9.77	165	31191	8.675	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	31191	6.913	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	288	8.428	ng	# 1
70) Phenanthrene	11.27	178	72252	2.888	ng	99
74) Fluoranthene	12.46	202	119010	4.557	ng	95
77) Pyrene	12.69	202	99113	4.206	ng	98
80) Benzo(a)anthracene	13.91	228	43272	2.506	ng	96
82) Chrysene	13.91	228	43272	2.519	ng	98
83) Bis(2-ethylhexyl)phthalate	13.87	149	63118	6.305	ng	97
87) Benzo(b)fluoranthene	14.89	252	59587	3.862	ng	98
89) Benzo(a)pyrene	15.24	252	31470	2.304	ng	97

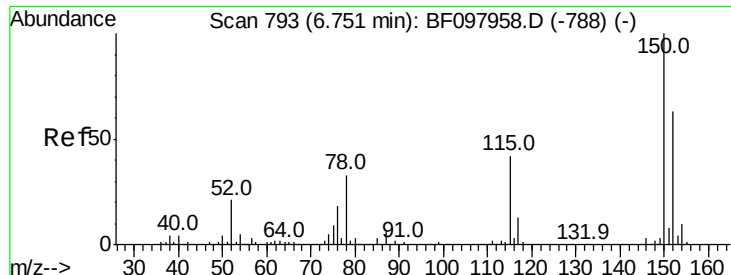
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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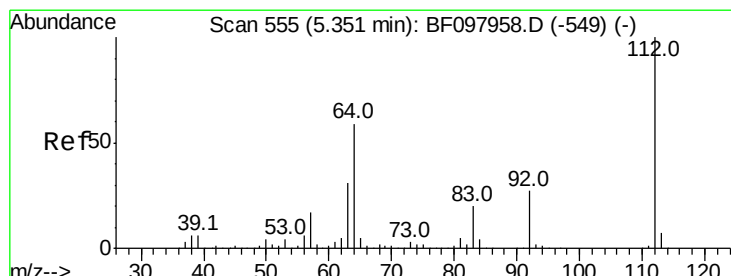
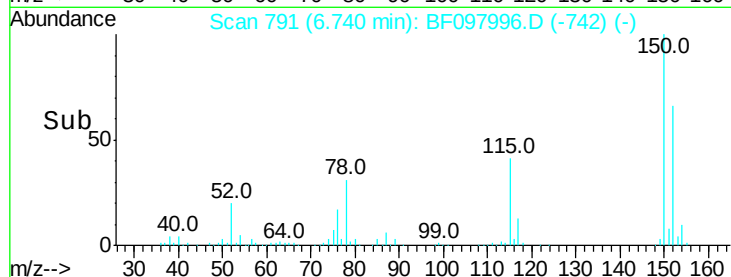
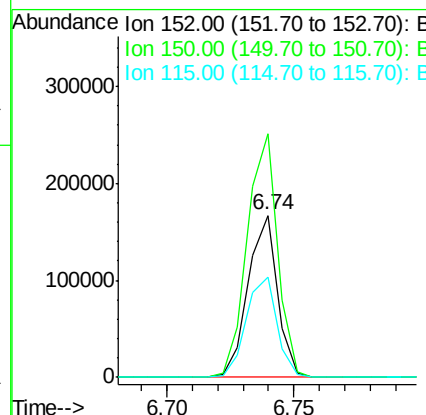
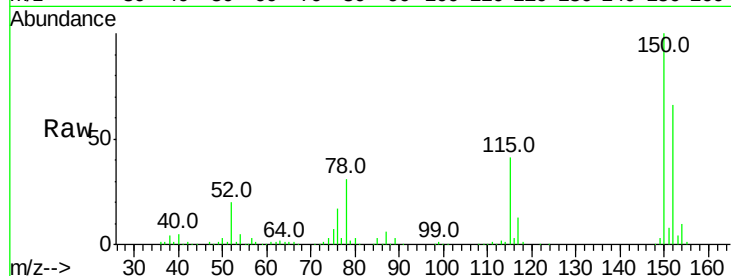


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

Instrument :
BNA_F
ClientSampleId :

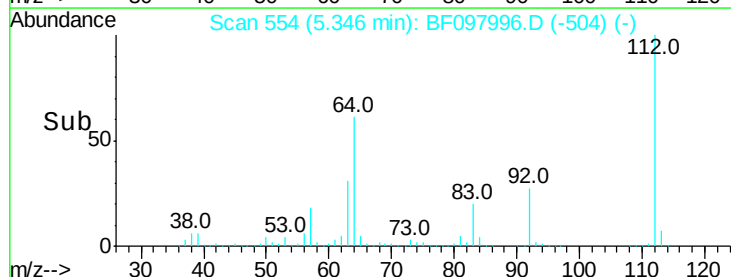
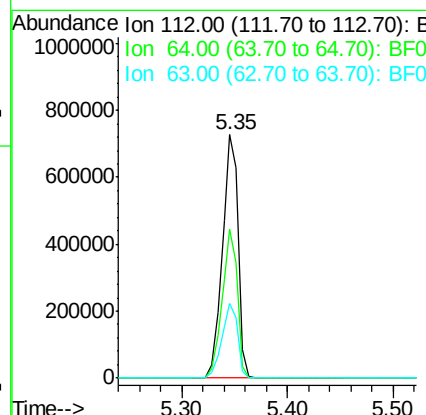
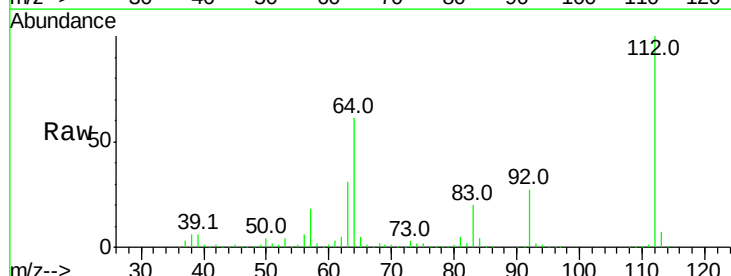
Tot Ion:152 Resp: 134167
Ion Ratio Lower Upper
152 100
150 150.6 126.2 189.2
115 61.8 52.2 78.2

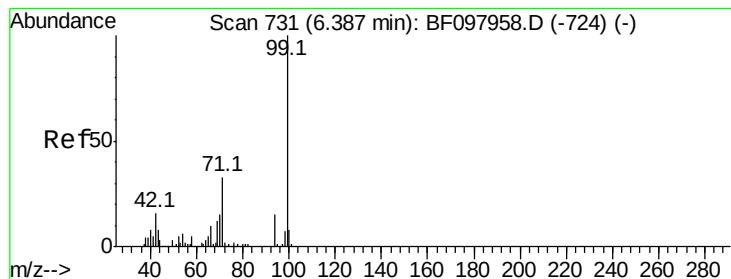


#5

2-Fluorophenol
Concen: 86.552 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

Tgt Ion:112 Resp: 763435
Ion Ratio Lower Upper
112 100
64 61.3 46.0 69.0
63 30.6 23.4 35.0





#7

Phenol-d6

Concen: 84.835 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampled :

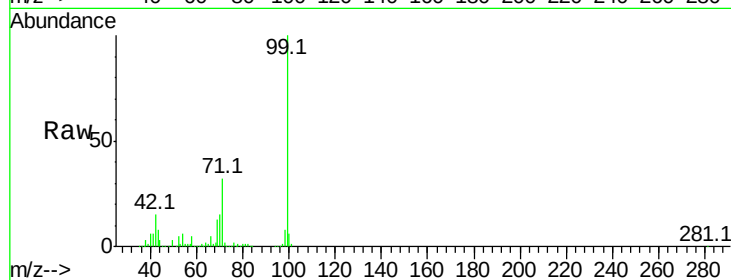
Tot Ion: 99 Resp: 1016710

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

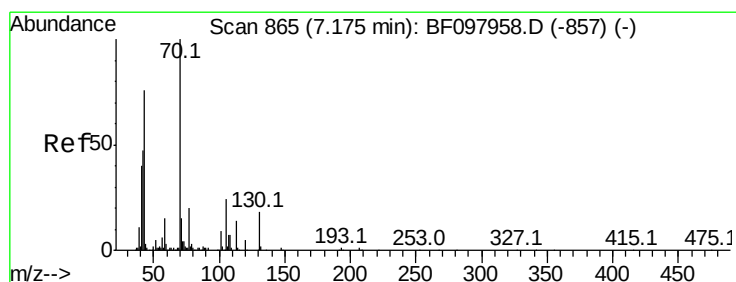
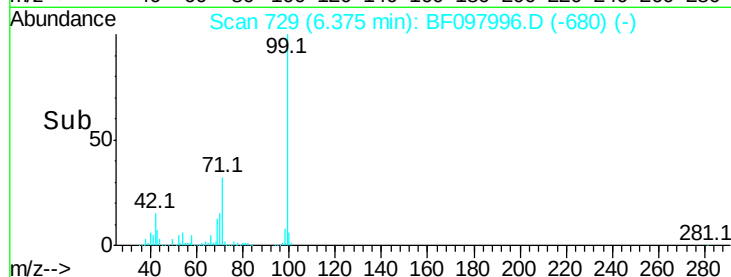
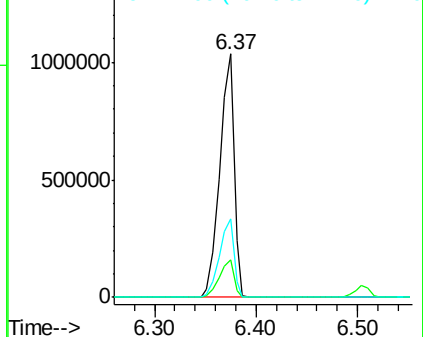
71 32.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.424 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Tgt Ion: 70 Resp: 85518

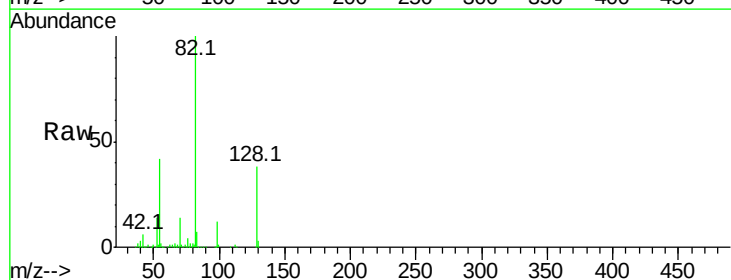
Ion Ratio Lower Upper

70 100

42 40.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

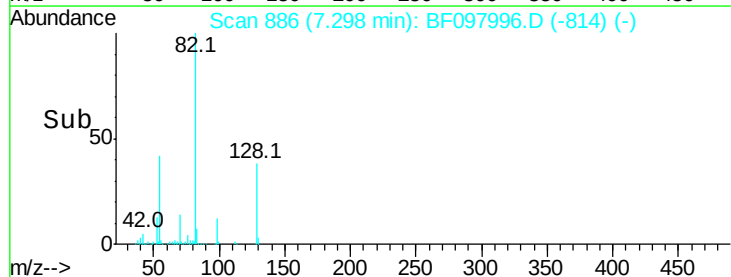
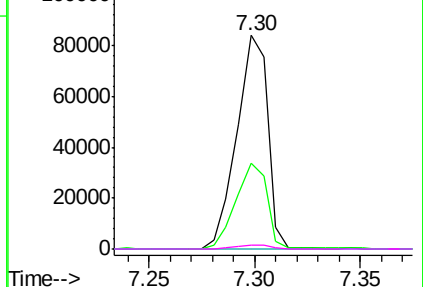


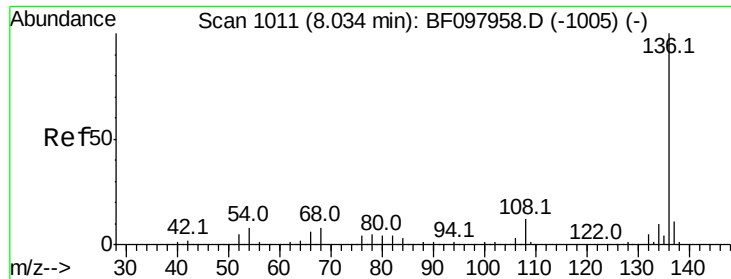
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

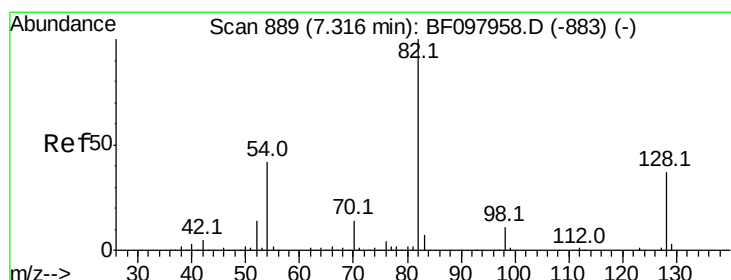
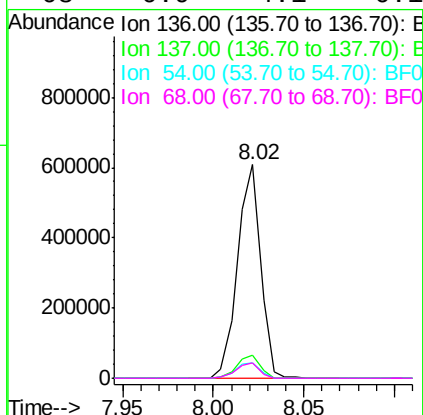
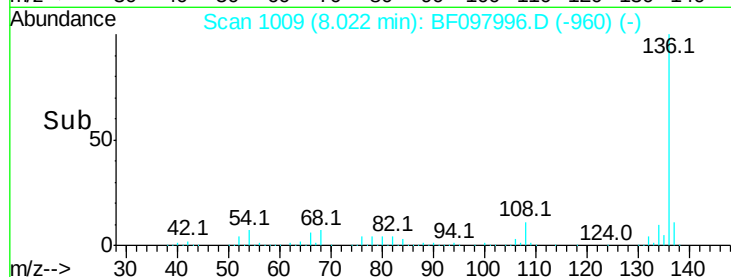
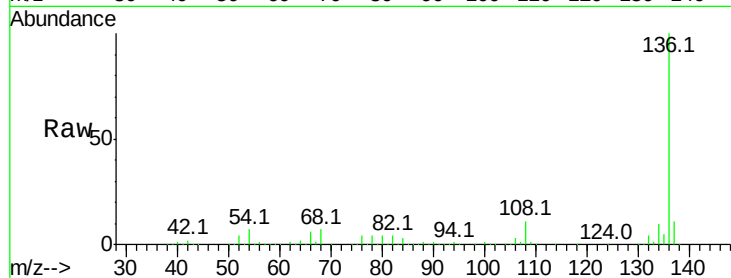




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

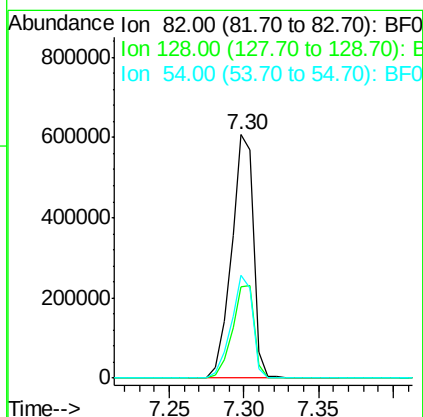
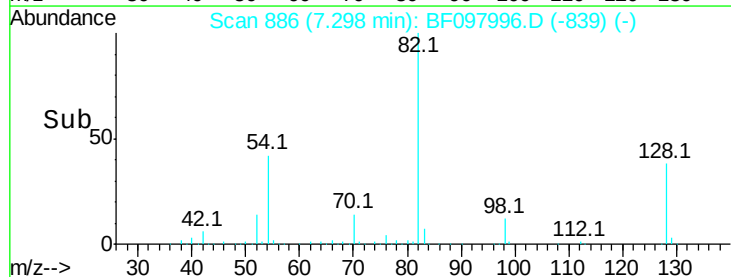
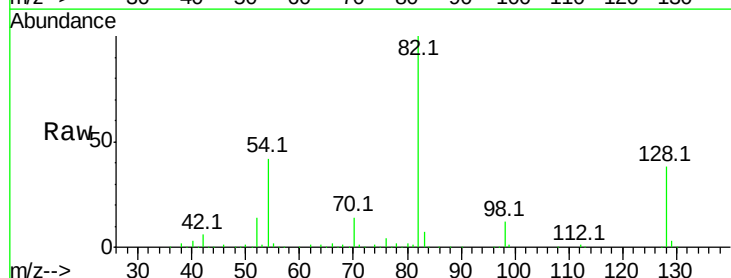
Instrument :
BNA_F
ClientSampled :

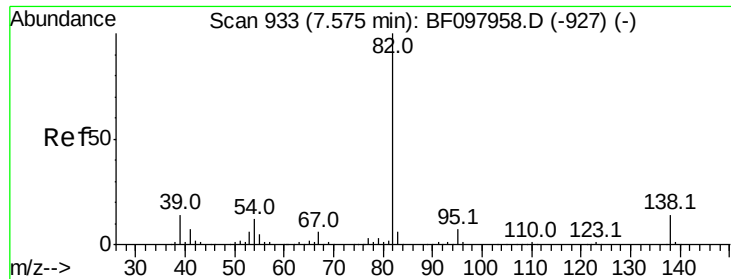
Tot Ion:	136	Resp:	541323
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	6.9	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 62.956 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

Tgt Ion:	82	Resp:	627331
Ion	Ratio	Lower	Upper
82	100		
128	37.6	34.0	51.0
54	42.1	42.2	63.2#





#25

Isophorone

Concen: 29.690 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampled :

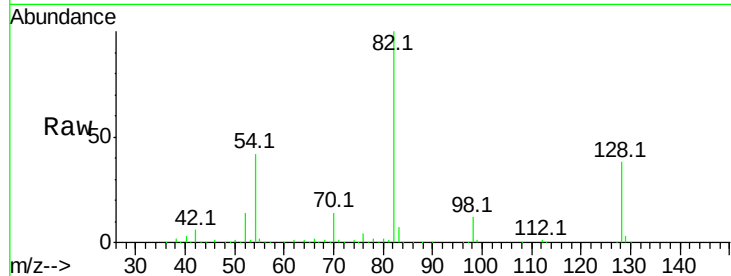
Tot Ion: 82 Resp: 615179

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

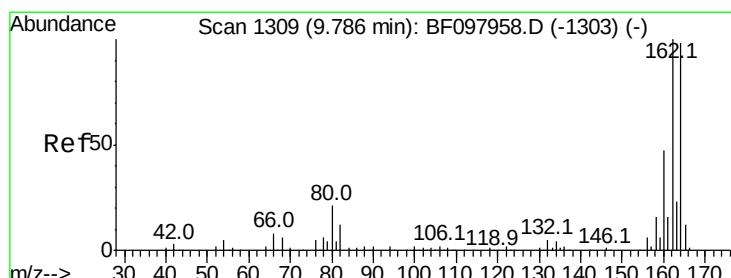
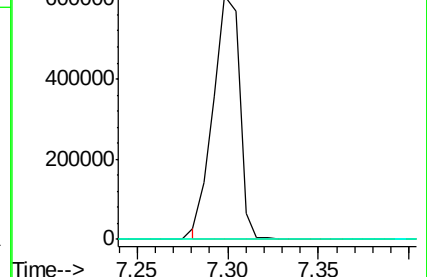
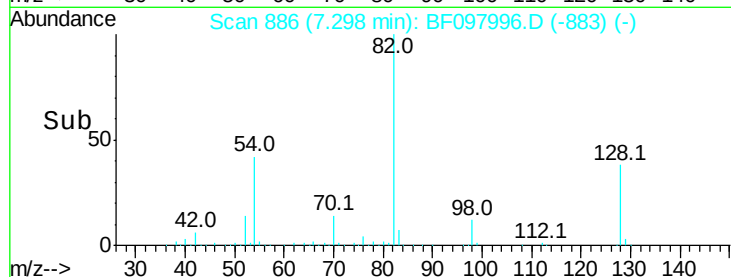
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

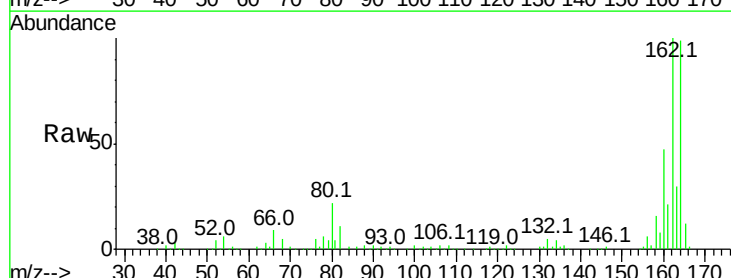
Tgt Ion:164 Resp: 246408

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

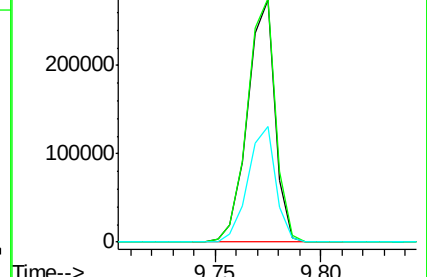
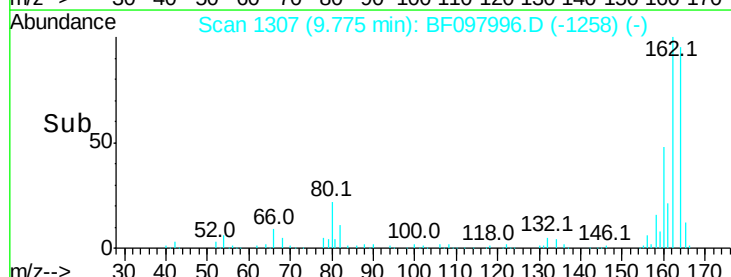
160 47.7 36.2 54.2

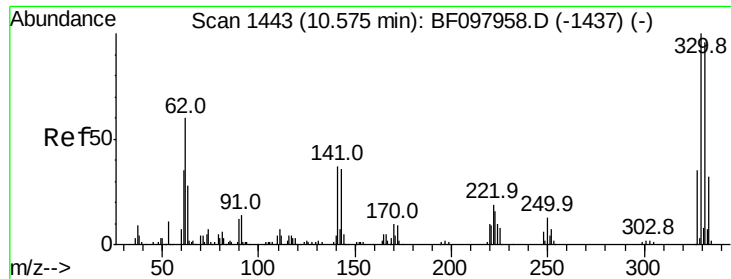


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

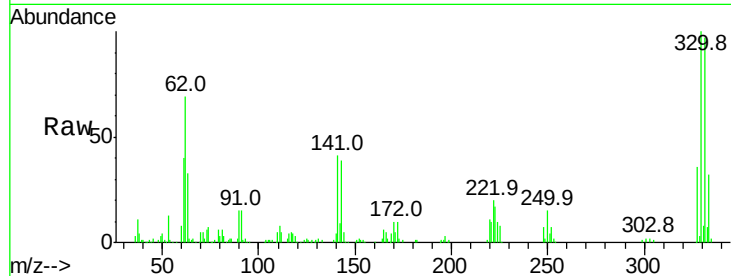




#41
 2,4,6-Tribromophenol
 Concen: 61.249 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF097996.D
 Acq: 23 Aug 2017 14:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	40.0	31.4	47.2

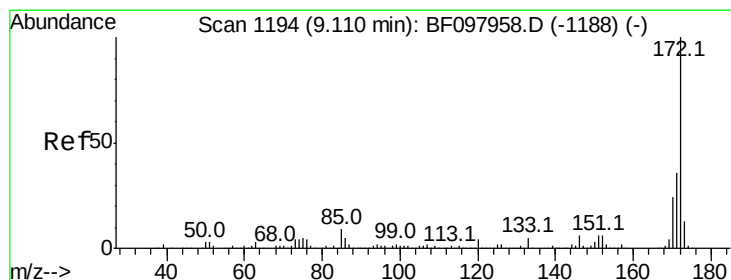
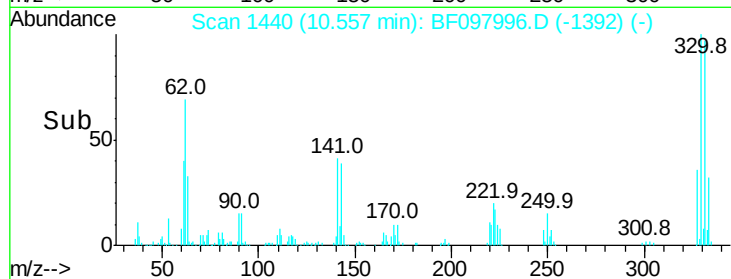
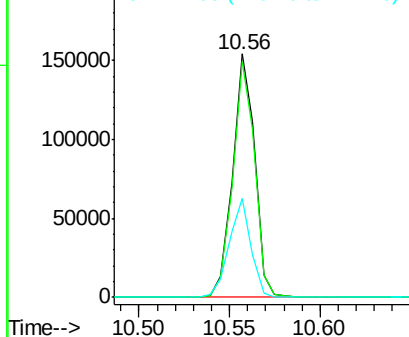


Abundance

Ion 329.80 (329.50 to 330.50): E

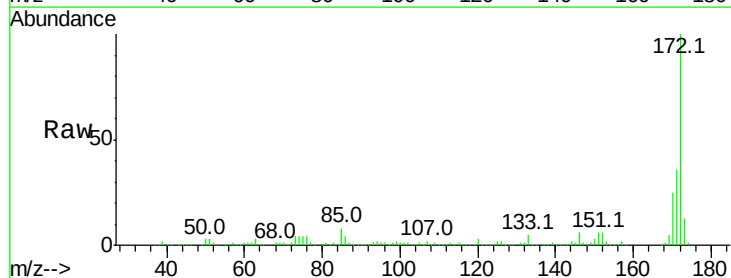
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 55.053 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF097996.D
 Acq: 23 Aug 2017 14:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.7	19.8	29.8

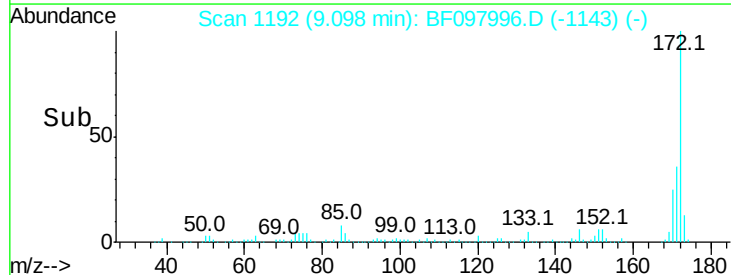
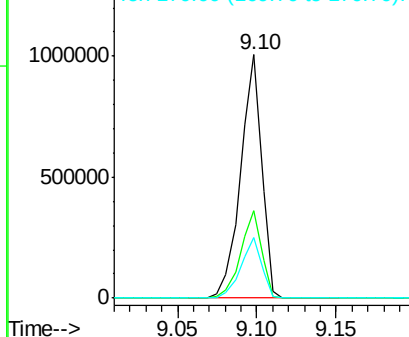


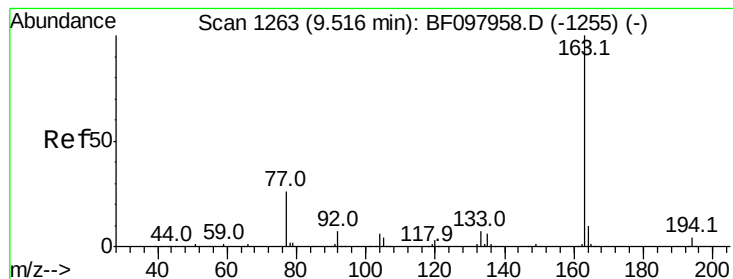
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.289 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampleId :

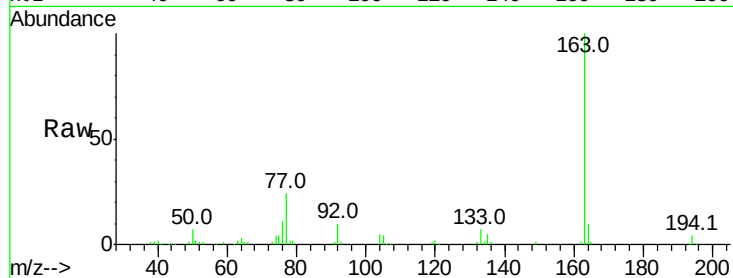
Tot Ion:163 Resp: 113277

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

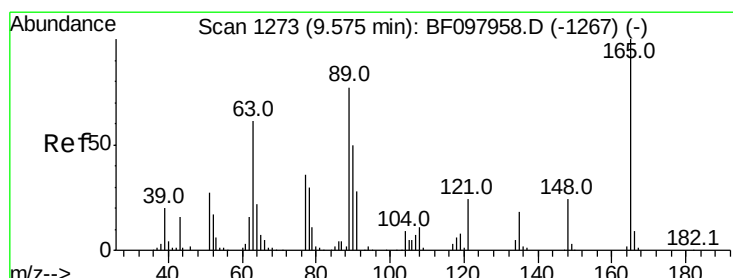
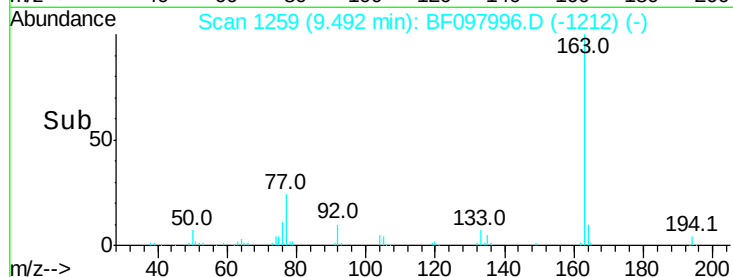
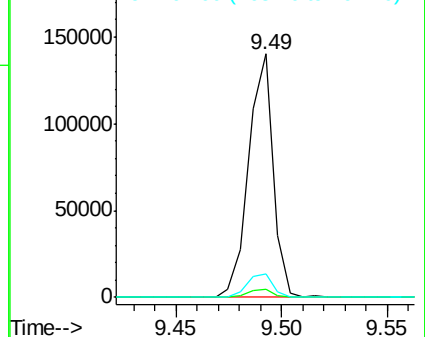
164 9.6 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.675 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

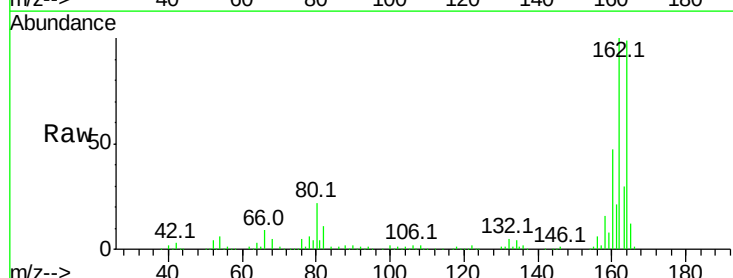
Tgt Ion:165 Resp: 31191

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

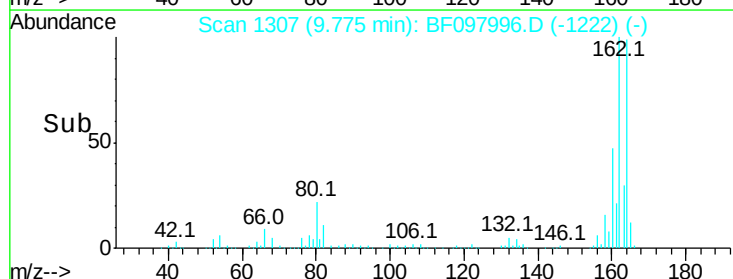
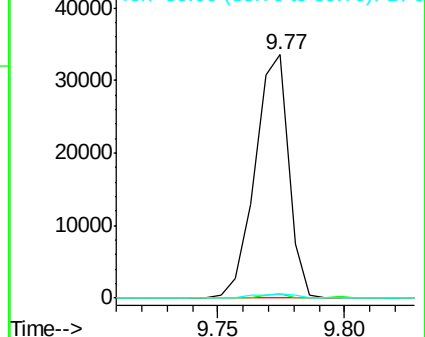
89 1.6 37.1 55.7#

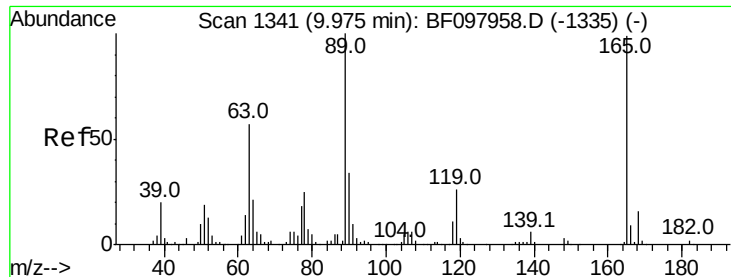


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

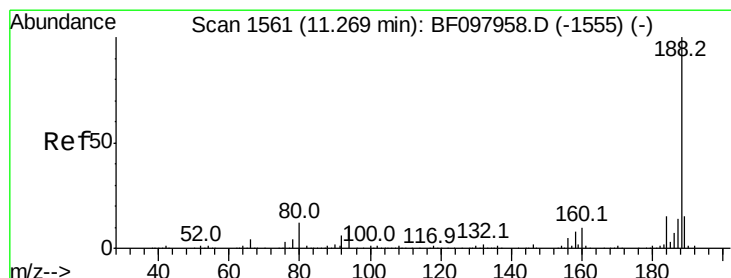
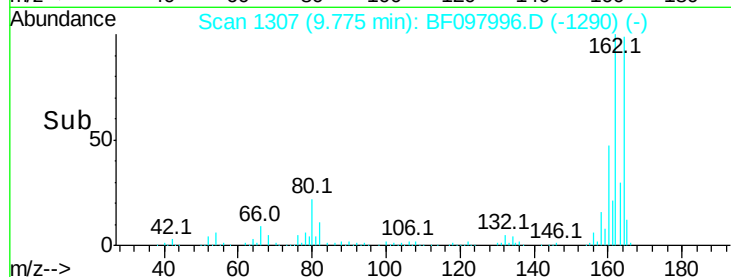
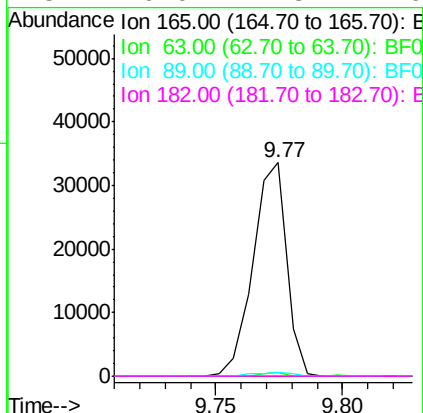
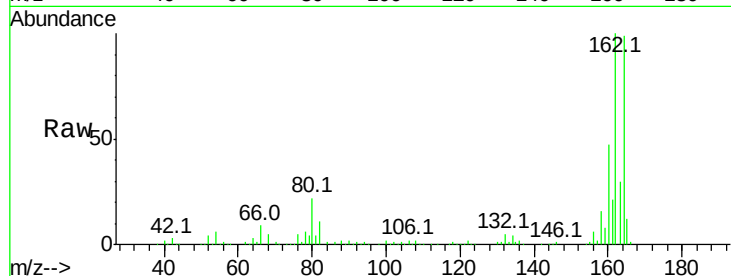




#56
 2,4-Dinitrotoluene
 Concen: 6.913 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF097996.D
 Acq: 23 Aug 2017 14:20

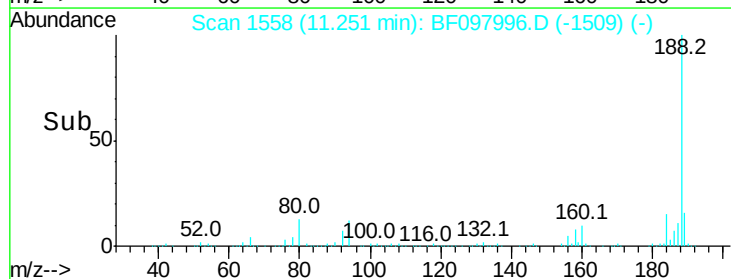
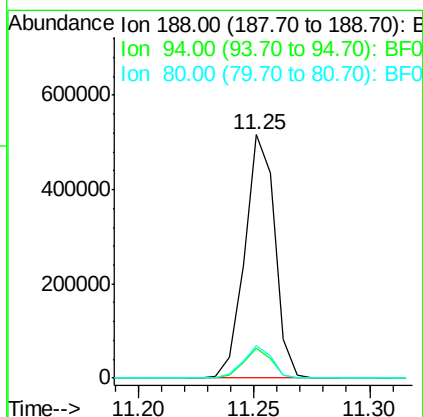
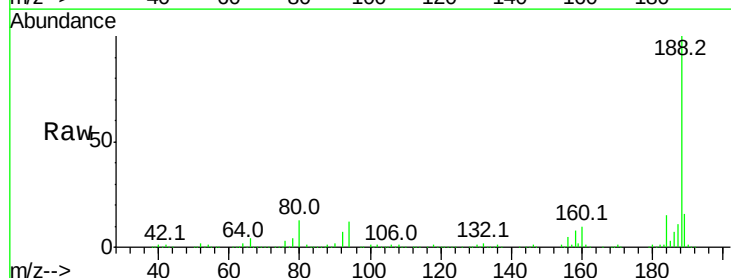
Instrument :
 BNA_F
 ClientSampled :

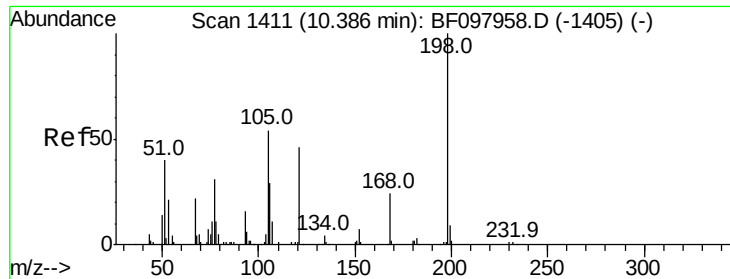
Tot Ion:165	Resp:	31191
Ion Ratio	Lower	Upper
165	100	
63	1.6	25.4 38.0#
89	1.6	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF097996.D
 Acq: 23 Aug 2017 14:20

Tgt Ion:188	Resp:	469520
Ion Ratio	Lower	Upper
188	100	
94	12.5	9.4 14.2
80	13.1	10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.428 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampled :

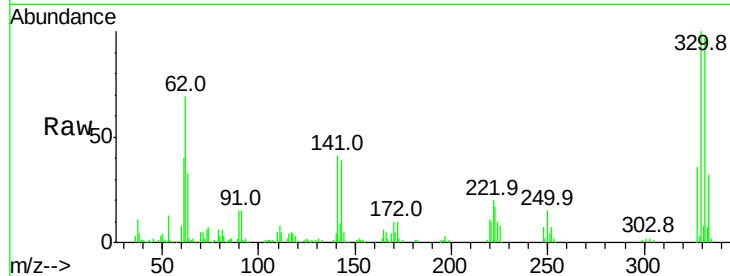
Tot Ion:198 Resp: 288

Ion Ratio Lower Upper

198 100

51 152.0 53.2 93.2#

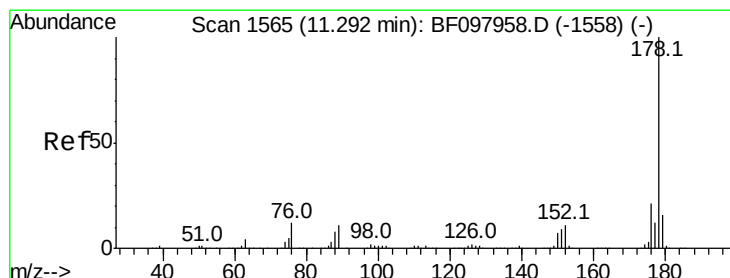
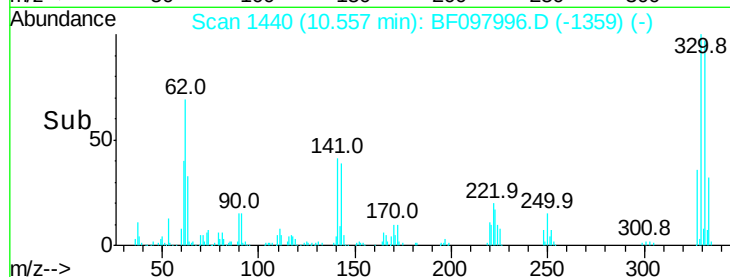
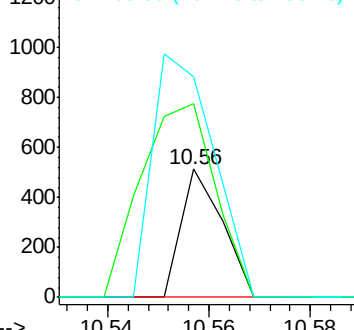
105 172.1 45.8 85.8#



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



#70

Phenanthrene

Concen: 2.888 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

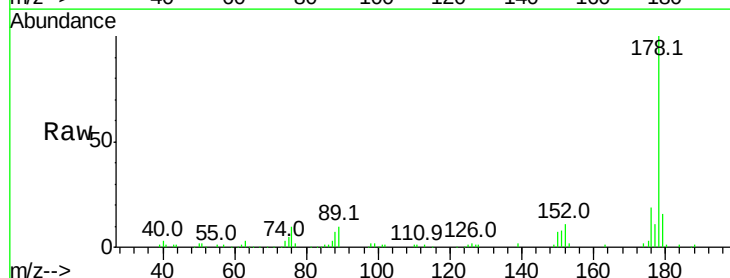
Tgt Ion:178 Resp: 72252

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

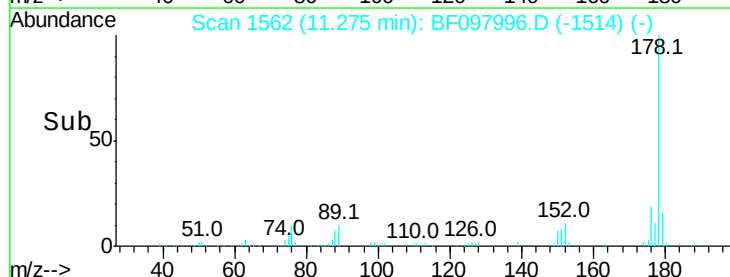
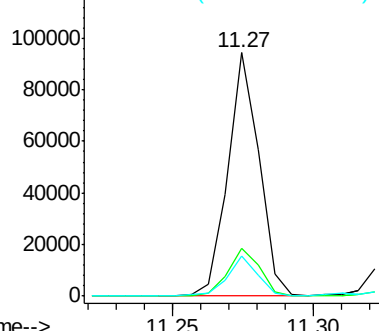
179 16.2 12.6 19.0

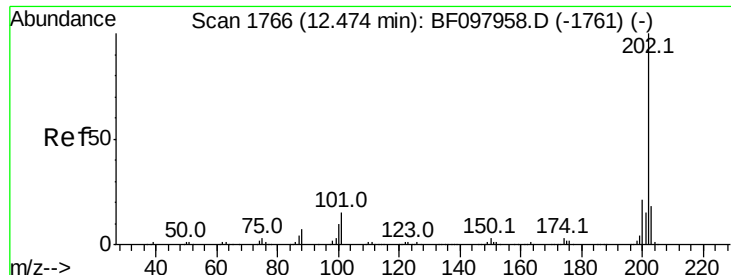


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

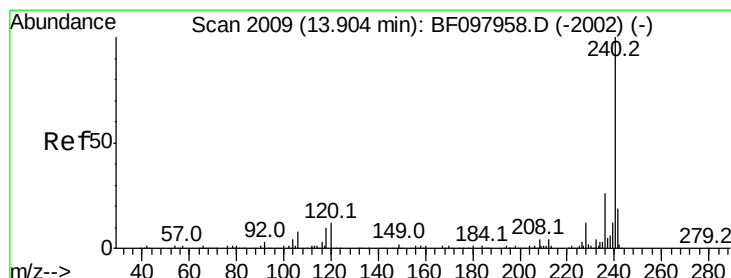
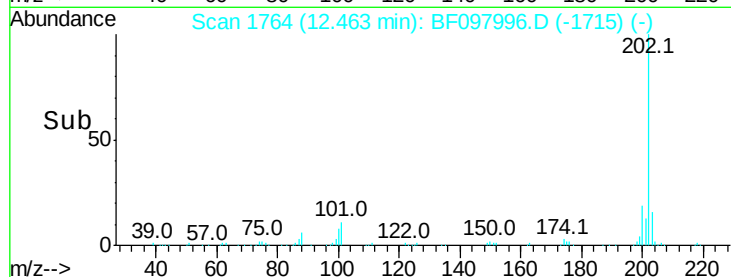
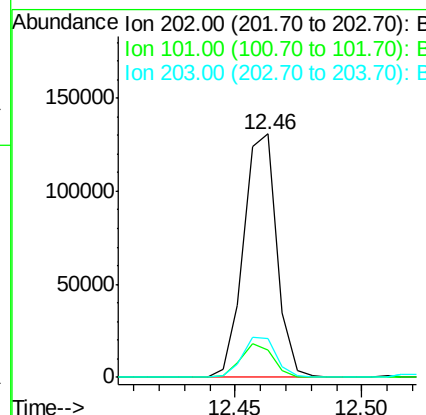
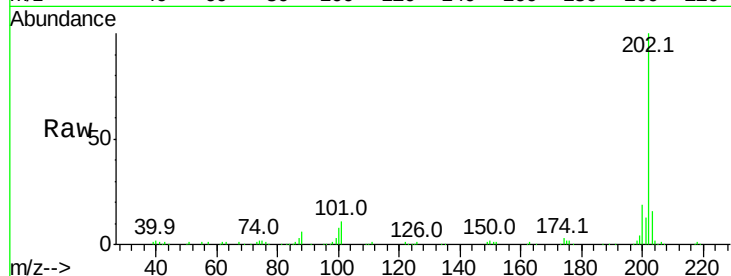




#74
Fluoranthene
Concen: 4.557 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

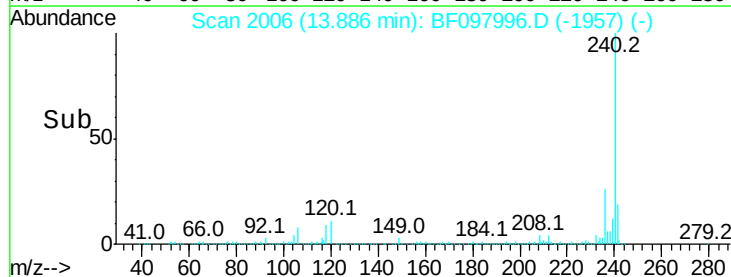
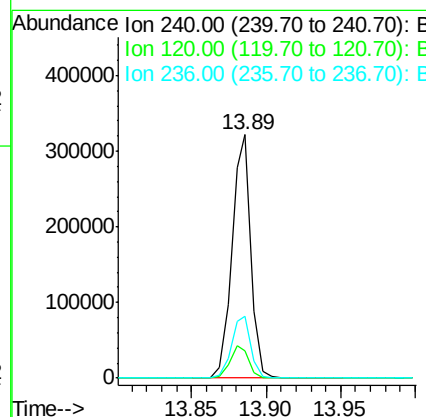
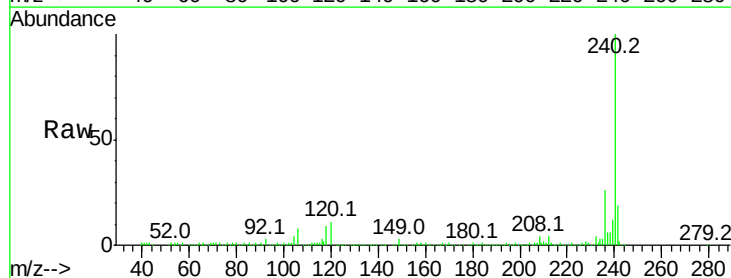
Instrument :
BNA_F
ClientSampleId :

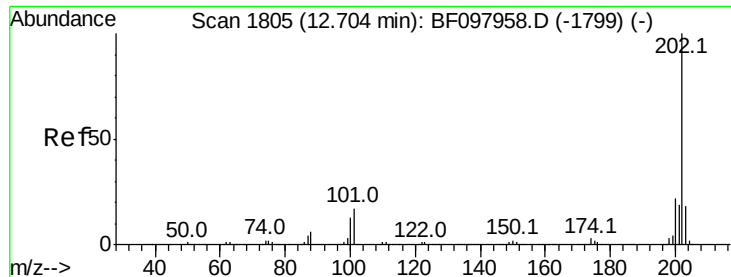
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.2
203	15.8	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 4.206 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF097996.D

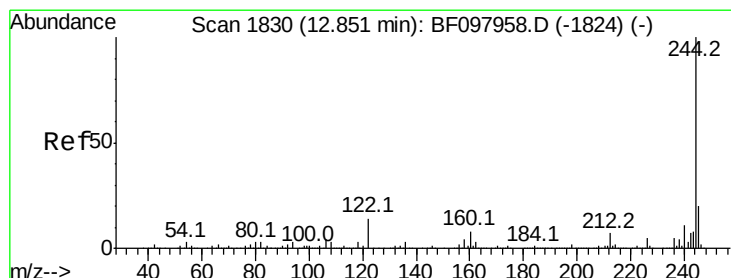
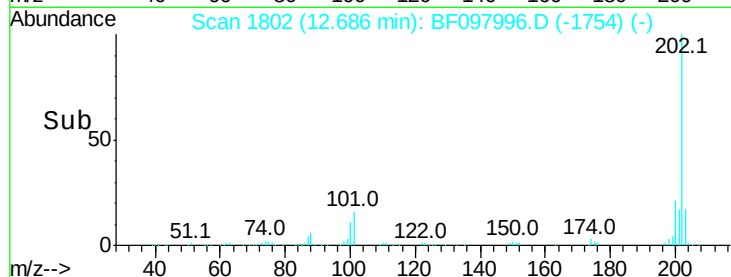
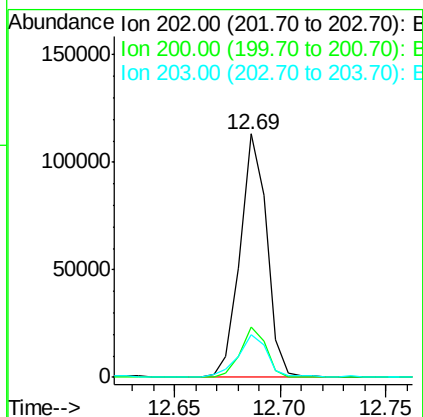
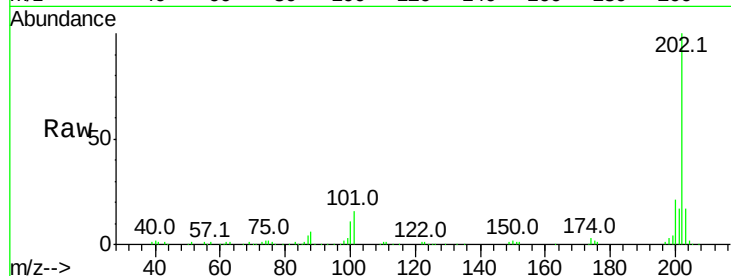
Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	99113
Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.4	14.4	21.6



#78

Terphenyl-d14

Concen: 51.033 ng

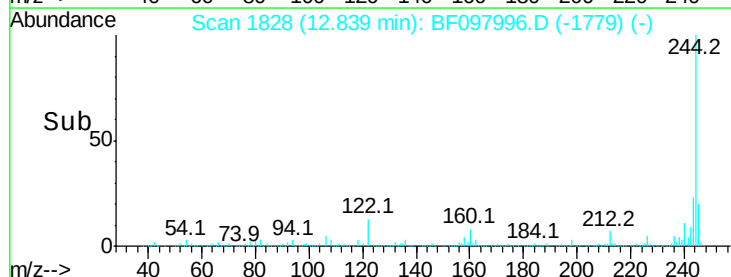
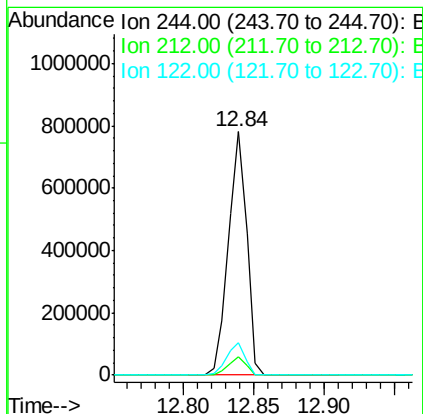
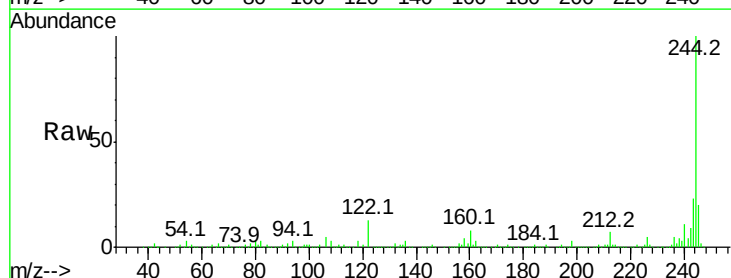
RT: 12.84 min Scan# 1828

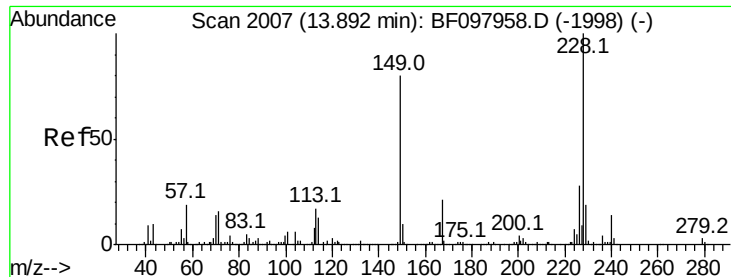
Delta R.T. -0.01 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Tgt Ion:	244	Resp:	705054
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.4	10.3	15.5

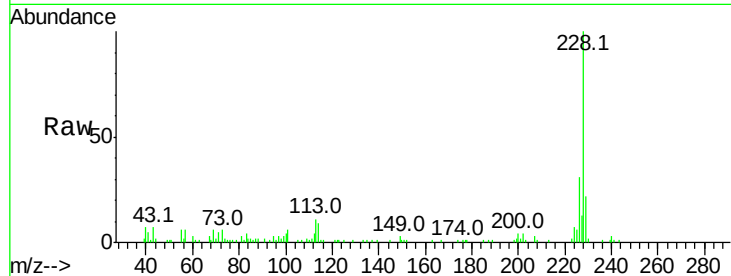




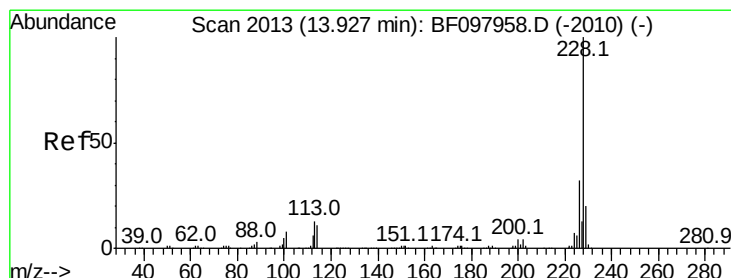
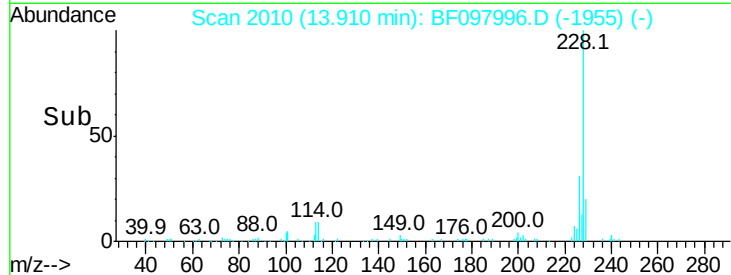
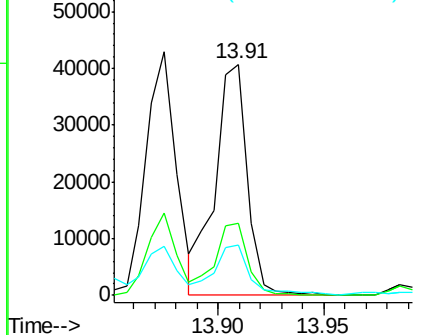
#80
Benzo(a)anthracene
Concen: 2.506 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 43272
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 21.9 16.3 24.5

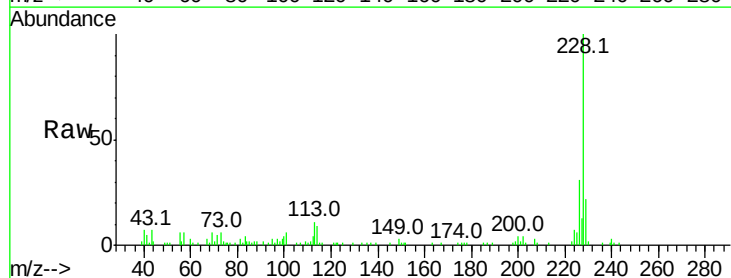


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

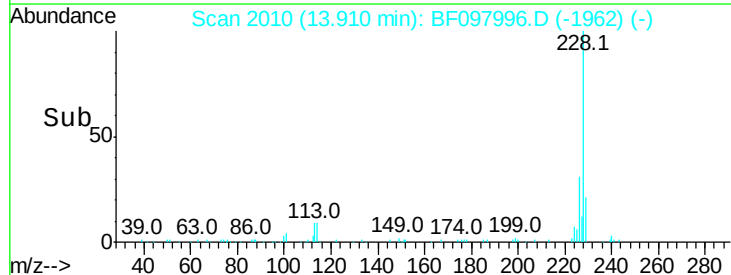
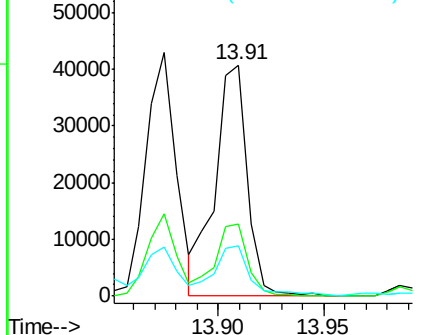


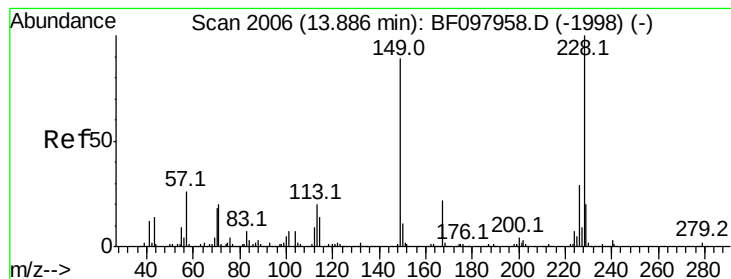
#82
Chrysene
Concen: 2.519 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF097996.D
Acq: 23 Aug 2017 14:20

Tgt Ion:228 Resp: 43272
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 21.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.305 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampled :

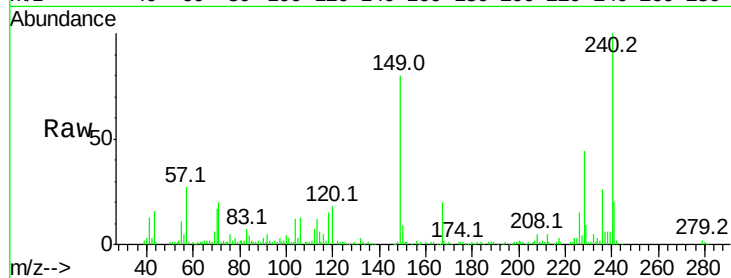
Tot Ion:149 Resp: 63118

Ion Ratio Lower Upper

149 100

167 24.7 21.0 31.4

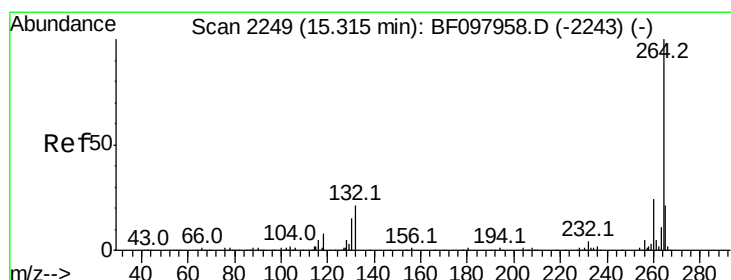
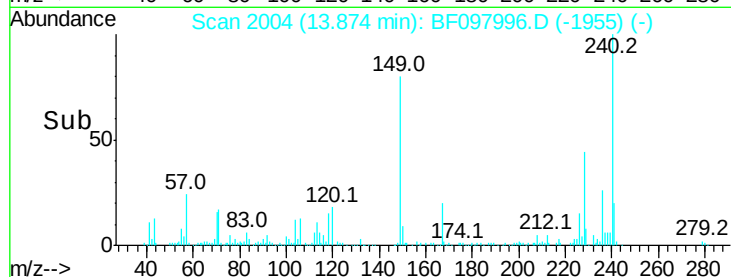
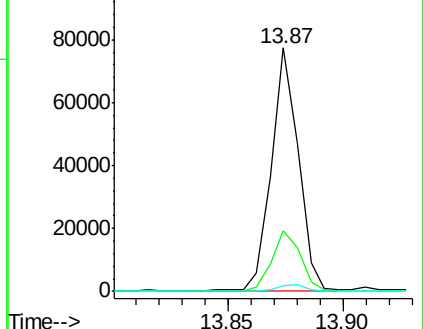
279 2.5 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

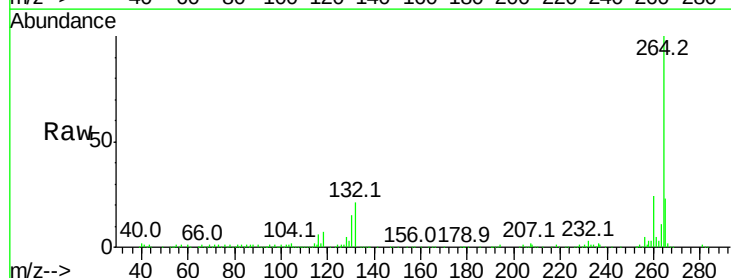
Tgt Ion:264 Resp: 244763

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

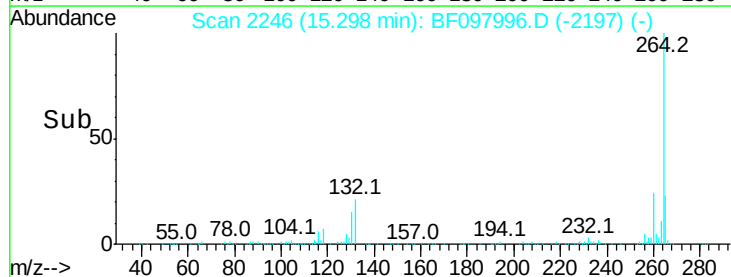
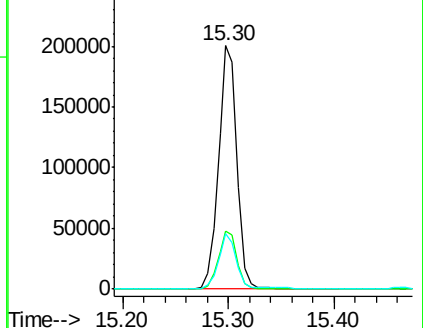
265 22.6 17.2 25.8

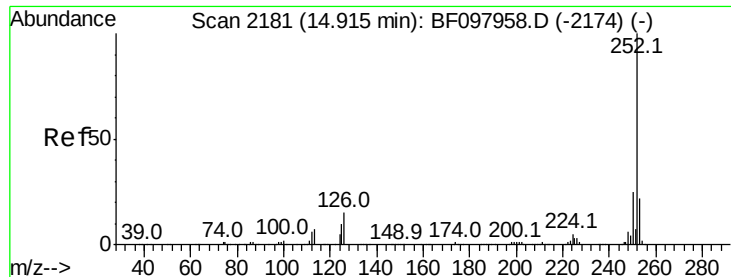


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.862 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

Instrument :

BNA_F

ClientSampleId :

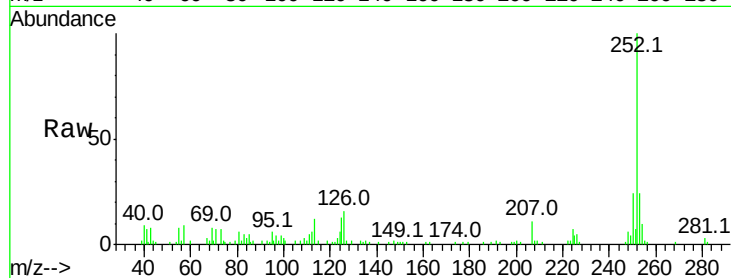
Tot Ion:252 Resp: 59587

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

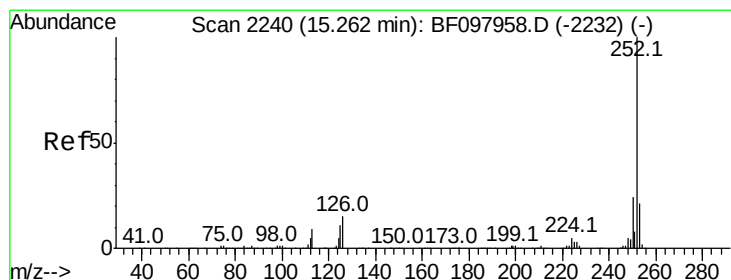
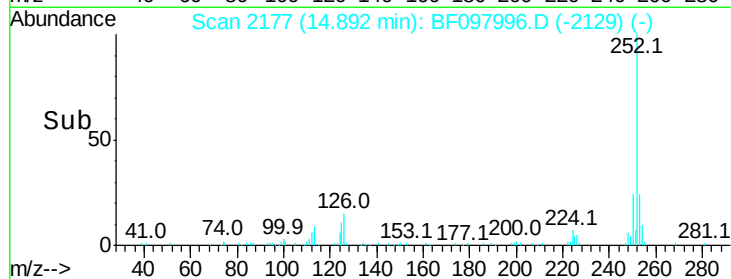
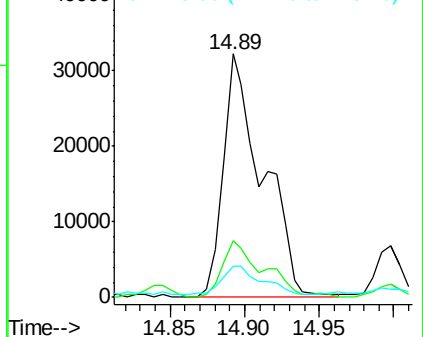
125 12.7 9.8 14.8



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



#89

Benzo(a)pyrene

Concen: 2.304 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF097996.D

Acq: 23 Aug 2017 14:20

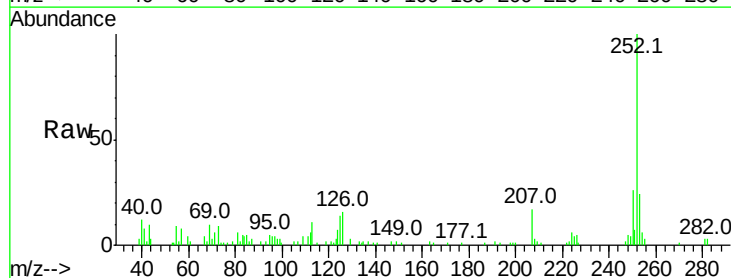
Tgt Ion:252 Resp: 31470

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 13.8 11.0 16.4



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

