

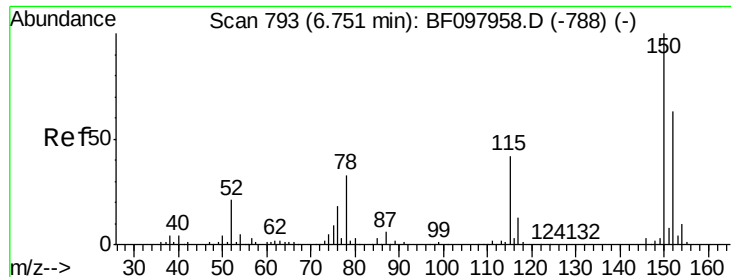
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098009.D
 Acq On : 24 Aug 2017 18:37
 Operator : SJ/JU
 Sample : I4925-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RWB-1

Quant Time: Aug 25 01:00:35 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	117548	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	469225	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	204331	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	395188	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	298573	20.00	ng	-0.01
86) Perylene-d12	15.30	264	249943	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	829756	107.37	ng	0.00
7) Phenol-d6	6.37	99	1121526	106.81	ng	-0.01
23) Nitrobenzene-d5	7.30	82	636076	73.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	182115	102.72	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	713404	51.30	ng	-0.01
78) Terphenyl-d14	12.84	244	544615	38.04	ng	-0.01
Target Compounds						
10) Phenol	6.38	94	34026	2.77	ng	# 74
19) n-Nitroso-di-n-propylamine	7.30	70	84769	11.79	ng	# 74
25) Isophorone	7.30	82	623163	34.70	ng	# 67
49) Dimethylphthalate	9.49	163	213749	14.31	ng	# 98
56) 2,4-Dinitrotoluene	9.77	165	26123	6.98	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	509	8.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12201	2.97	ng	# 1
74) Fluoranthene	12.46	202	92249	4.20	ng	99
77) Pyrene	12.69	202	90244	3.70	ng	97
80) Benzo(a)anthracene	13.87	228	39485	2.21	ng	99
82) Chrysene	13.91	228	44702	2.51	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	23209	2.24	ng	# 97
87) Benzo(b)fluoranthene	14.89	252	64689	4.11	ng	97
89) Benzo(a)pyrene	15.23	252	32455	2.33	ng	96

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

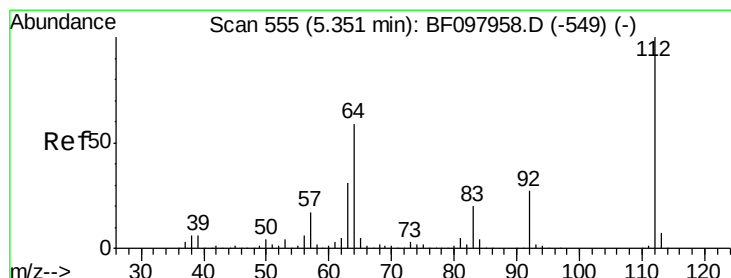
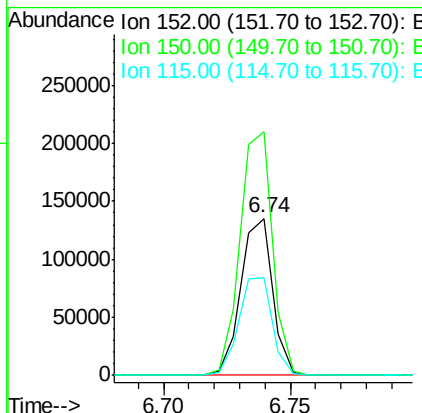
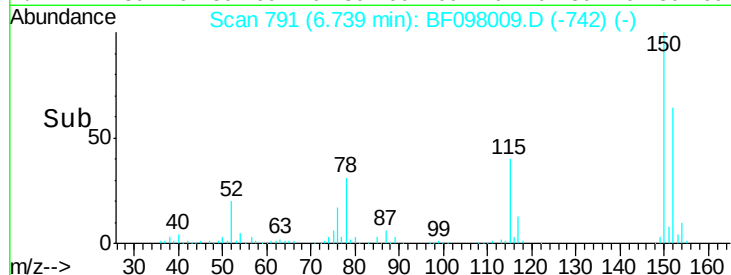
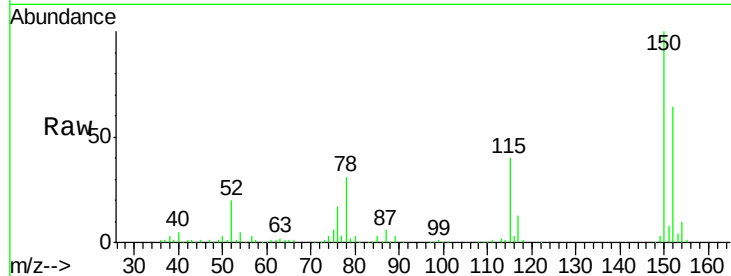


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Instrument :
BNA_F
ClientSampleId :
RWB-1

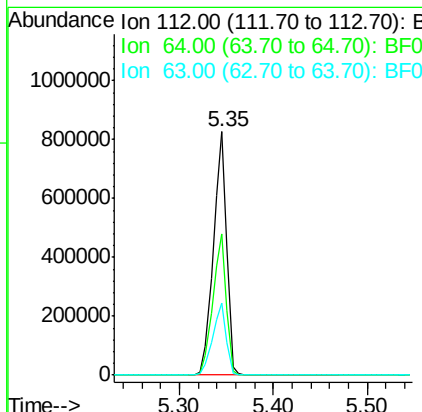
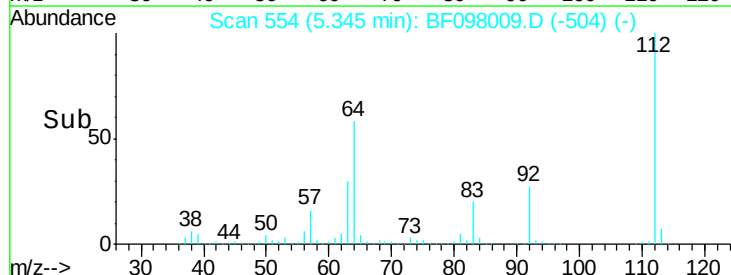
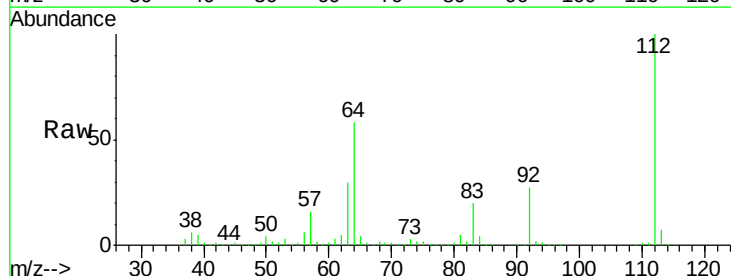
Tot Ion:152 Resp: 117548
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 62.2 52.2 78.2

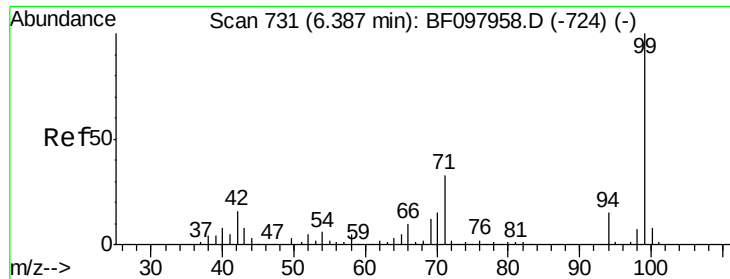


#5

2-Fluorophenol
Concen: 107.37 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Tgt Ion:112 Resp: 829756
Ion Ratio Lower Upper
112 100
64 58.2 46.0 69.0
63 29.7 23.4 35.0





#7

Phenol-d6

Concen: 106.81 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

Instrument :

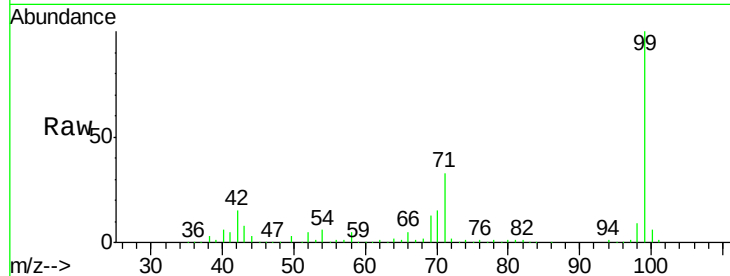
BNA_F

ClientSampleId :

RWB-1

Tot Ion: 99 Resp: 1121526

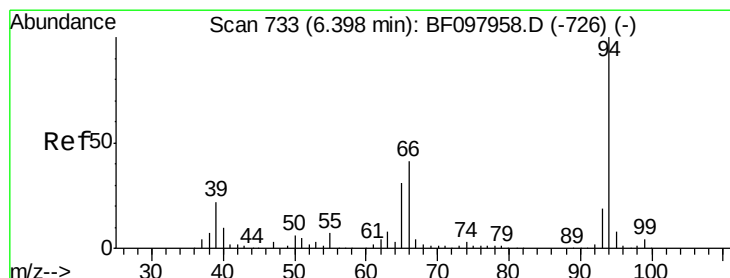
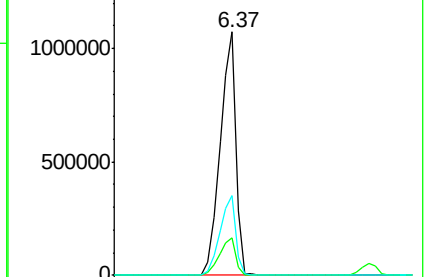
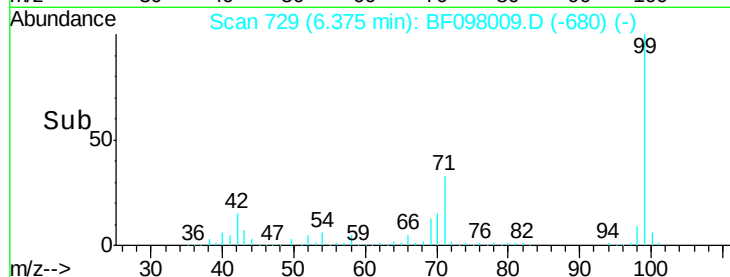
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	32.8	24.5	36.7



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: 2.77 ng

RT: 6.38 min Scan# 730

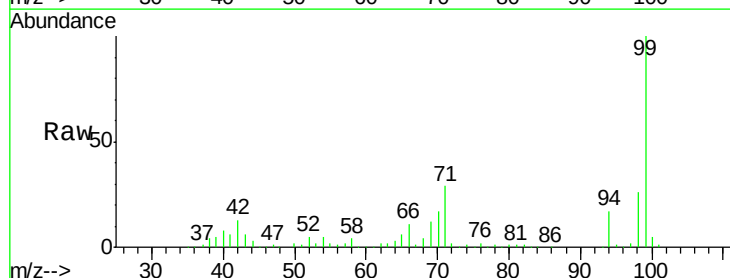
Delta R.T. -0.02 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

Tgt Ion: 94 Resp: 34026

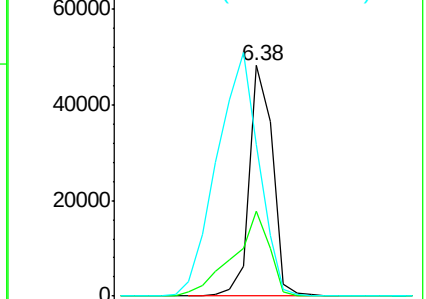
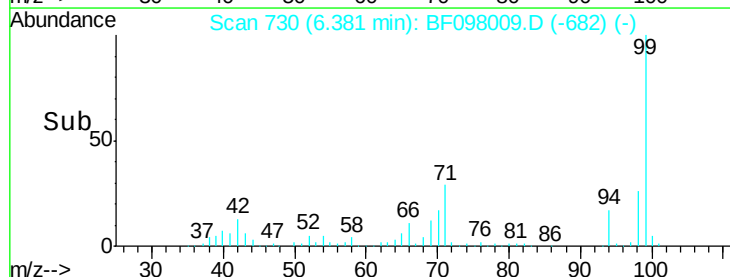
Ion	Ratio	Lower	Upper
94	100		
65	36.7	9.9	49.9
66	65.7	23.1	63.1

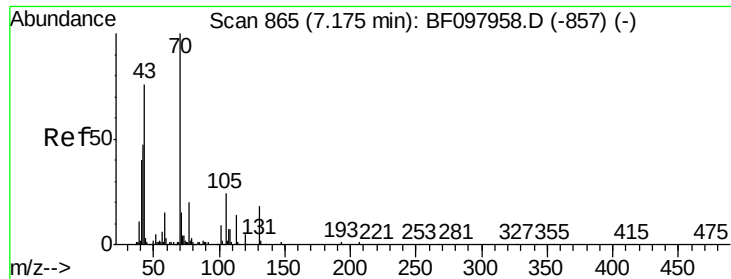


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

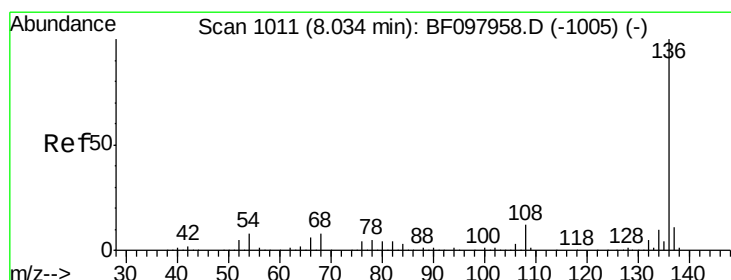
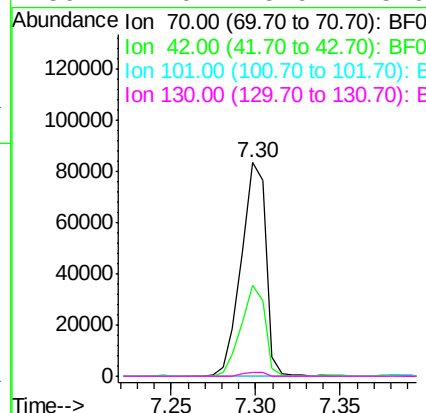
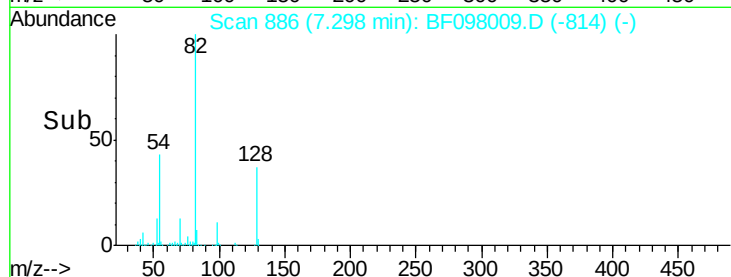
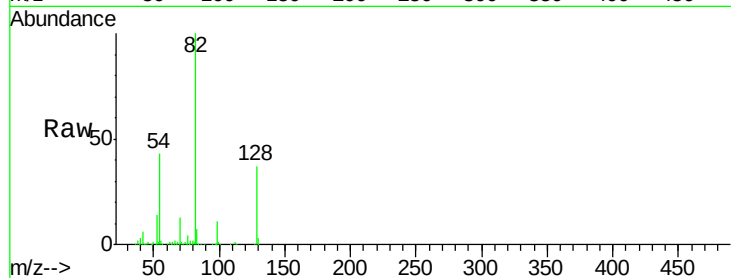




#19
n-Nitroso-di-n-propylamine
Concen: 11.79 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.12 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

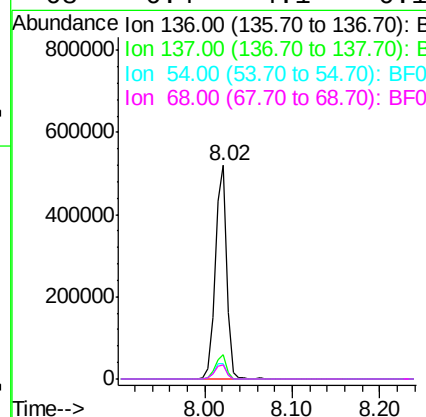
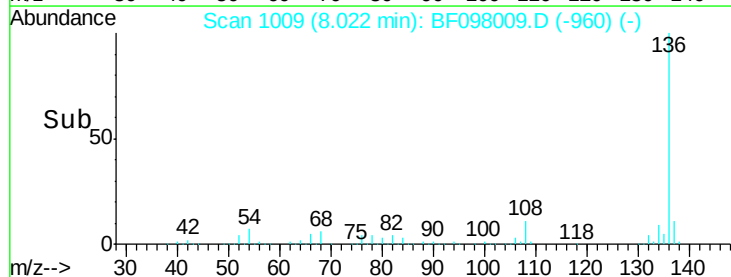
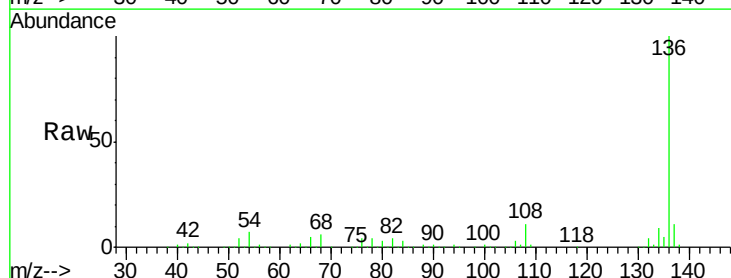
Instrument :
BNA_F
ClientSampleId :
RWB-1

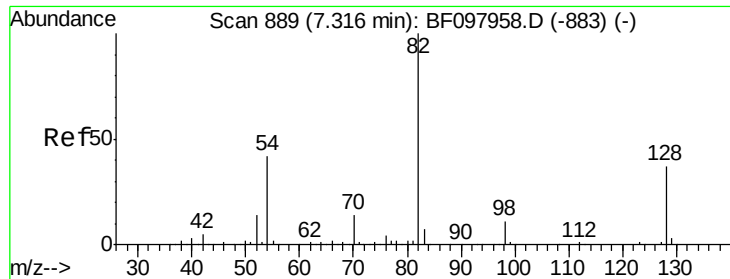
Tot Ion: 70 Resp: 84769
Ion Ratio Lower Upper
70 100
42 42.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Tgt Ion: 136 Resp: 469225
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 6.9 4.9 7.3
68 6.4 4.1 6.1#

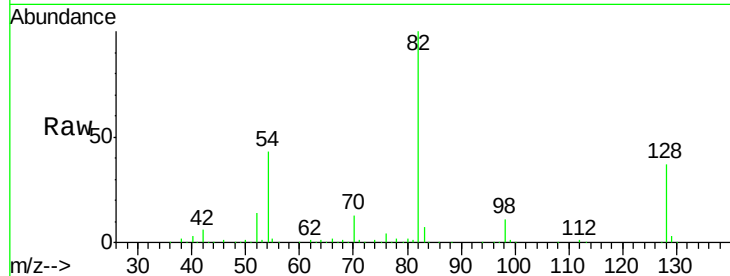




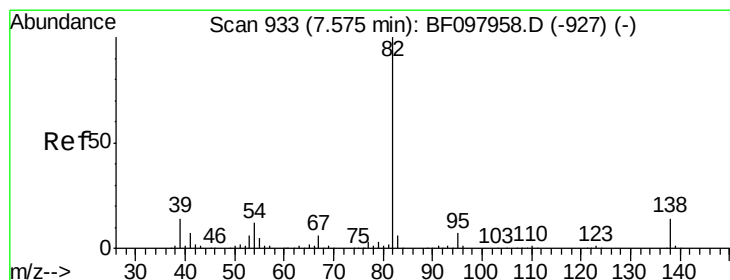
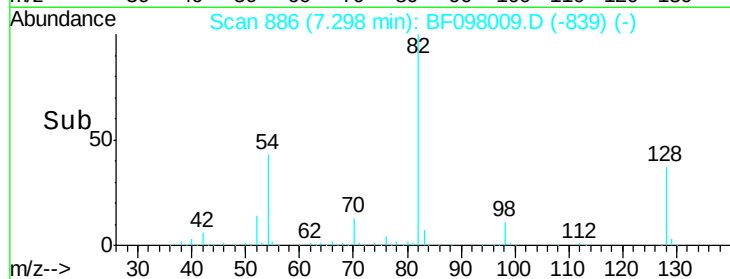
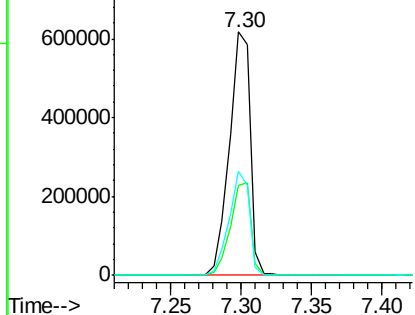
#23
 Nitrobenzene-d5
 Concen: 73.64 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF098009.D
 Acq: 24 Aug 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 RWB-1

Tot Ion: 82 Resp: 636076
 Ion Ratio Lower Upper
 82 100
 128 36.9 34.0 51.0
 54 42.7 42.2 63.2

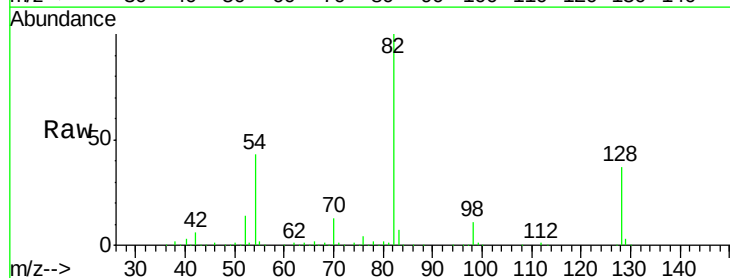


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

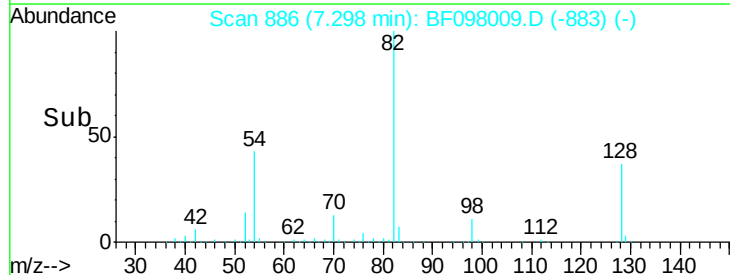
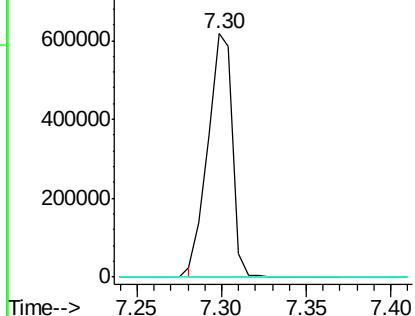


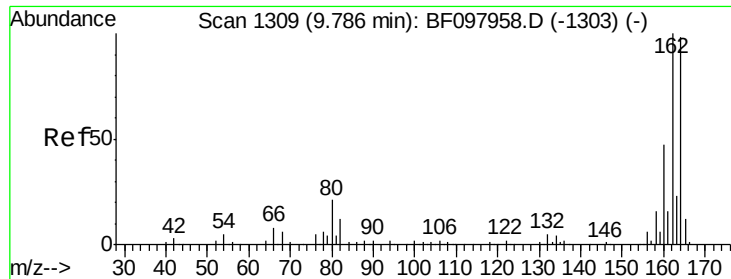
#25
 Isophorone
 Concen: 34.70 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.28 min
 Lab File: BF098009.D
 Acq: 24 Aug 2017 18:37

Tgt Ion: 82 Resp: 623163
 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

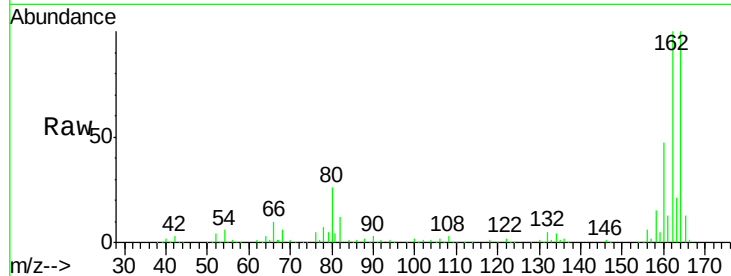




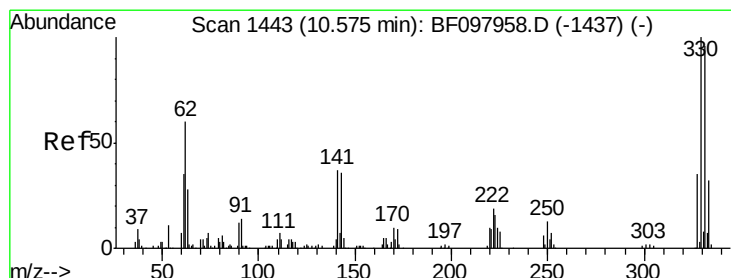
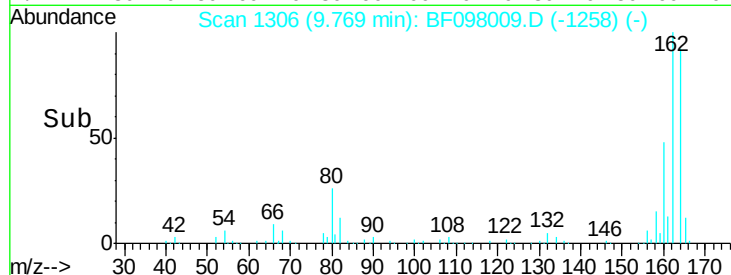
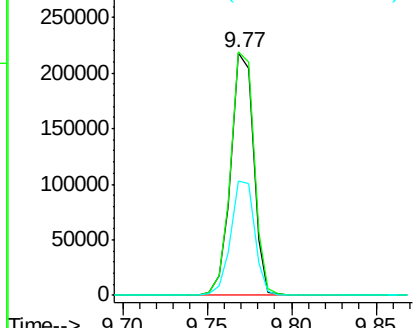
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098009.D
 Acq: 24 Aug 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 RWB-1

Tot Ion:164 Resp: 204331
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.6 123.8
 160 47.3 36.2 54.2

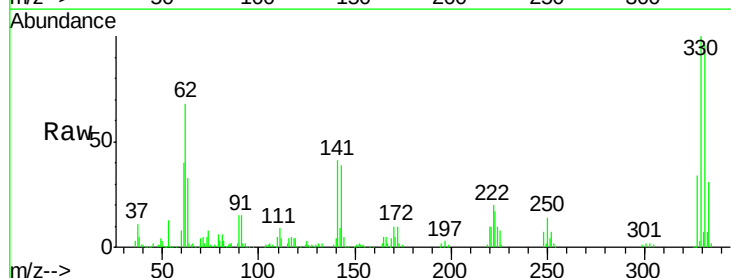


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

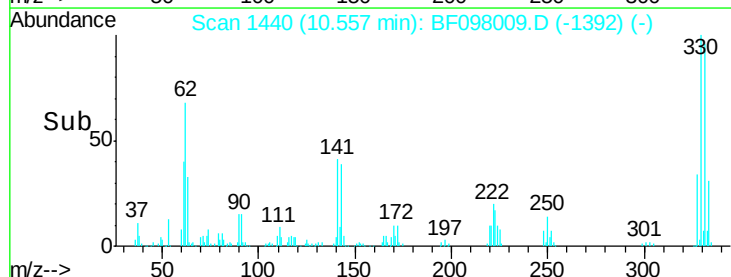
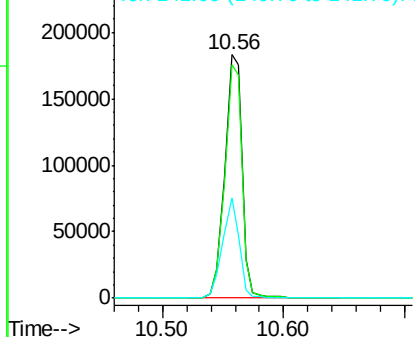


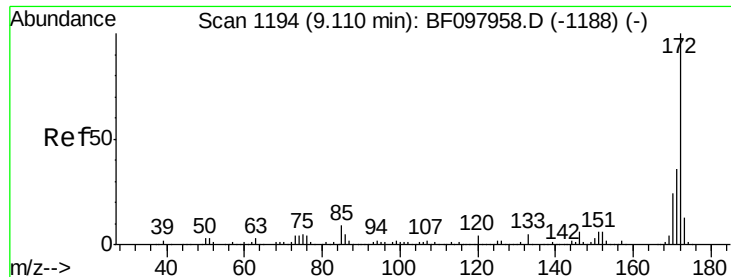
#41
 2,4,6-Tribromophenol
 Concen: 102.72 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098009.D
 Acq: 24 Aug 2017 18:37

Tgt Ion:330 Resp: 182115
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 39.4 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

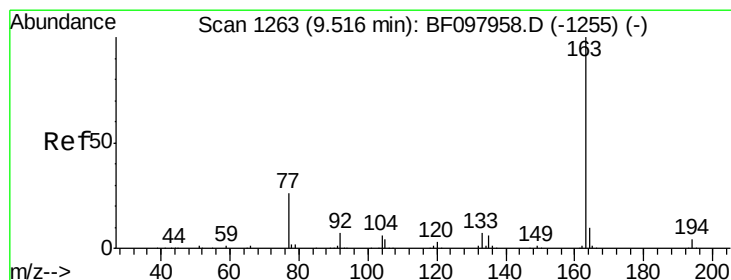
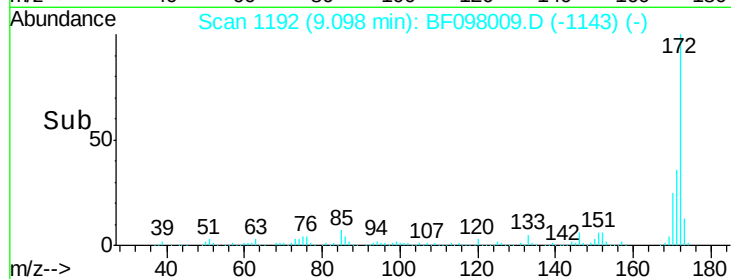
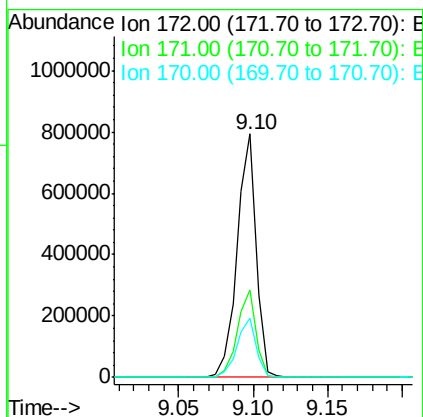
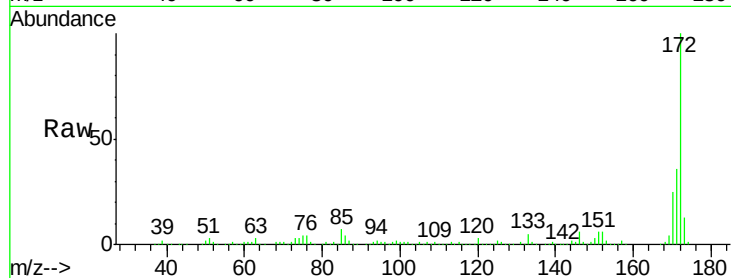




#44
2-Fluorobiphenyl
Concen: 51.30 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

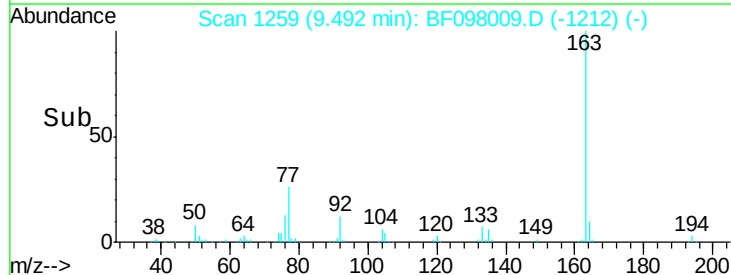
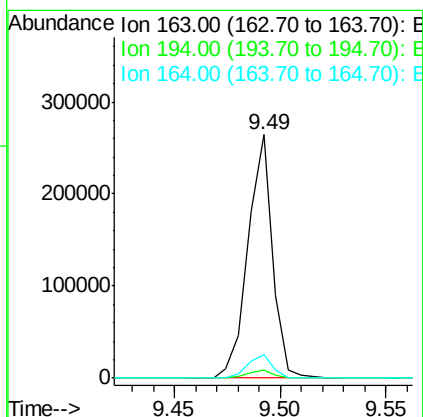
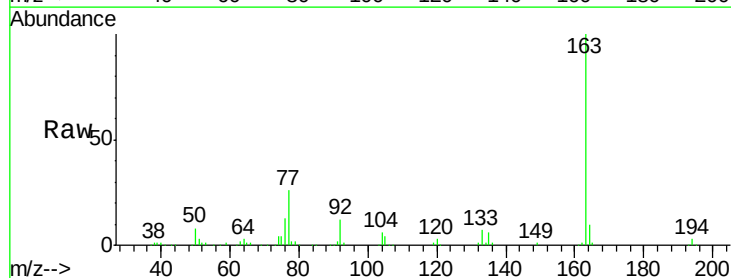
Instrument :
BNA_F
ClientSampled :
RWB-1

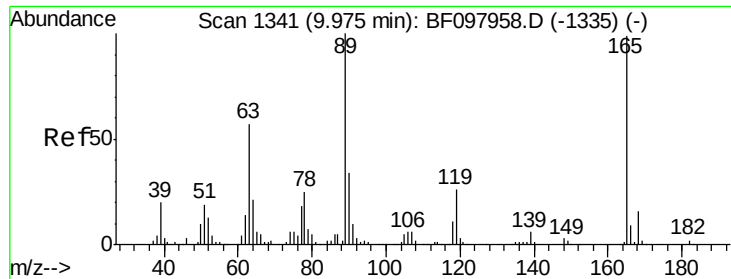
Tot Ion:172 Resp: 713404
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 24.6 19.8 29.8



#49
Dimethylphthalate
Concen: 14.31 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Tgt Ion:163 Resp: 213749
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.5 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.98 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

Instrument :

BNA_F

ClientSampleId :

RWB-1

Tot Ion:165 Resp: 26123

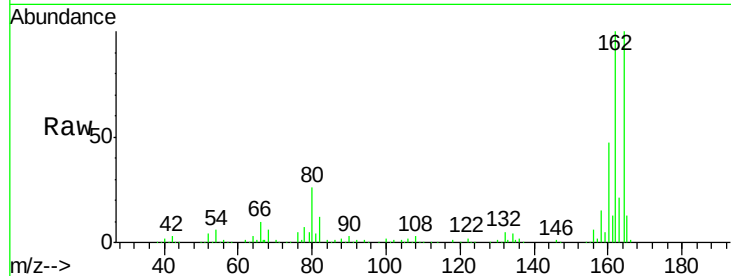
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 2.3 46.4 69.6#

182 0.0 1.8 2.6#

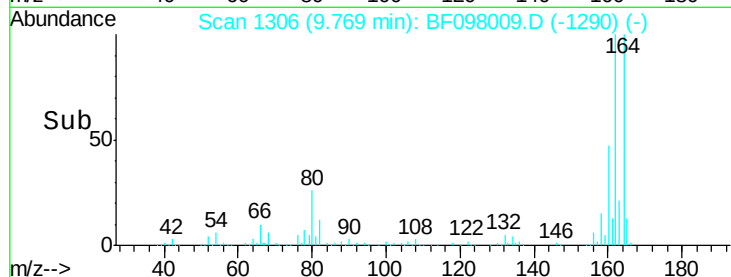


Abundance Ion 165.00 (164.70 to 165.70): E

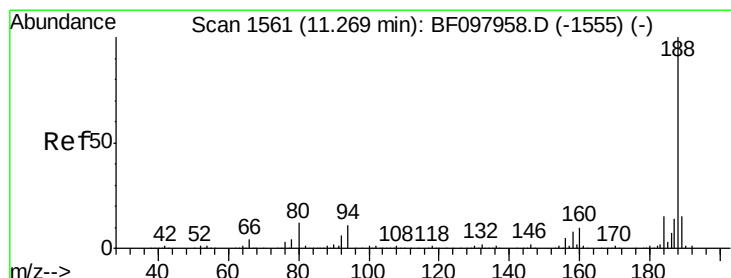
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

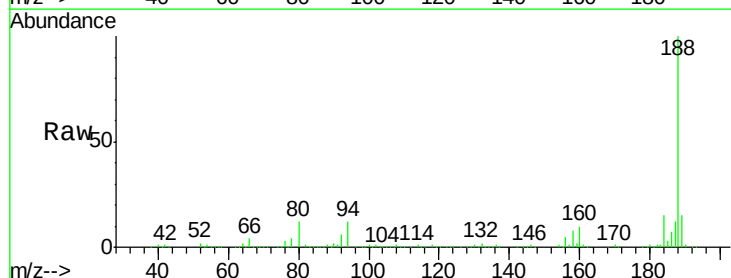
Tgt Ion:188 Resp: 395188

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

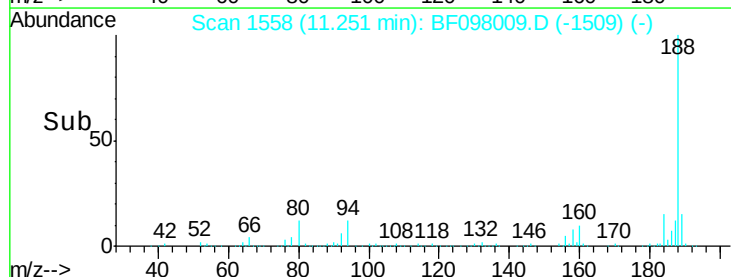
80 12.5 10.2 15.2



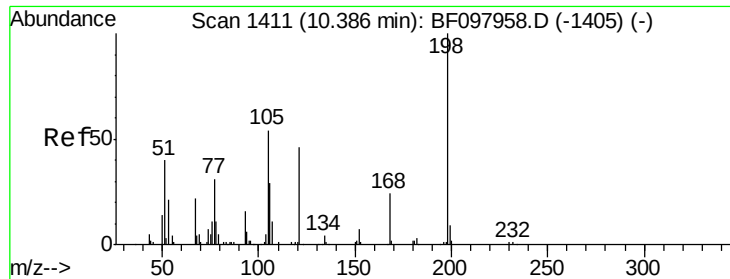
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



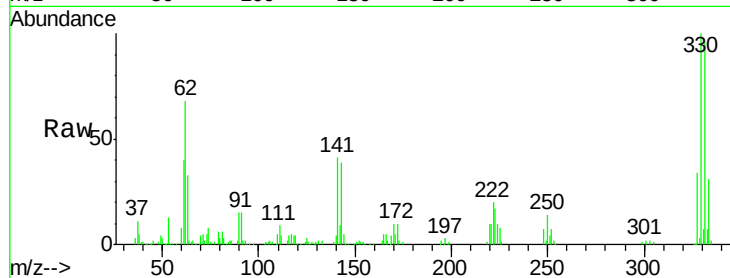
Time-->



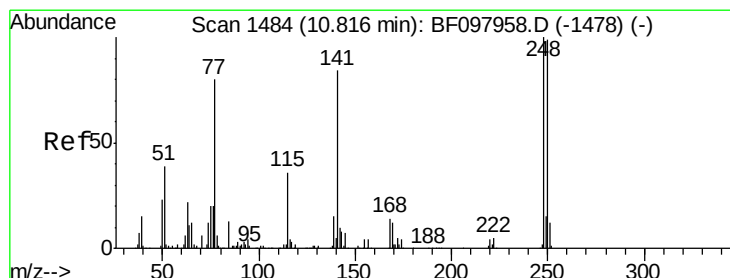
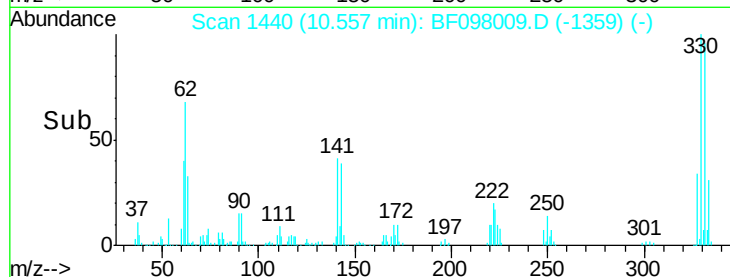
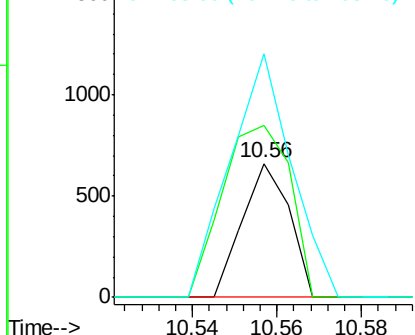
#64
4,6-Dinitro-2-methylphenol
Concen: 8.55 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.18 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Instrument :
BNA_F
ClientSampleId :
RWB-1

Tot Ion:198 Resp: 509
Ion Ratio Lower Upper
198 100
51 128.4 53.2 93.2#
105 181.8 45.8 85.8#

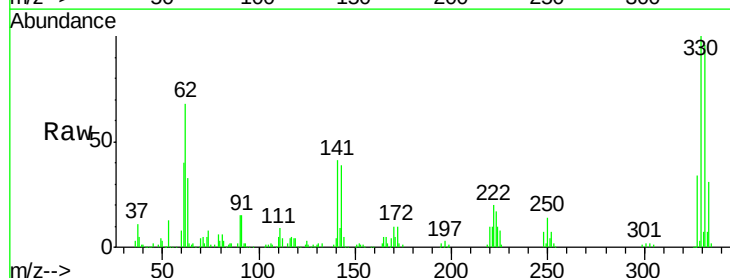


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

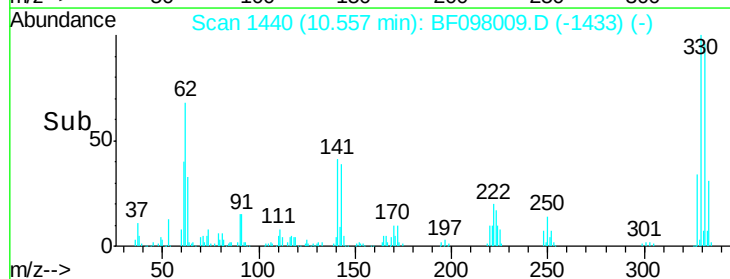
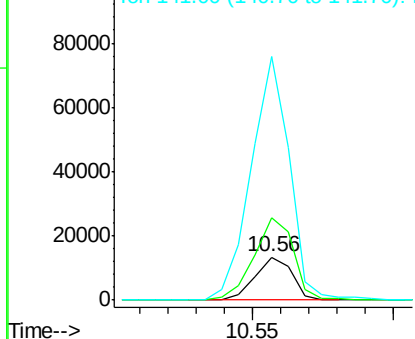


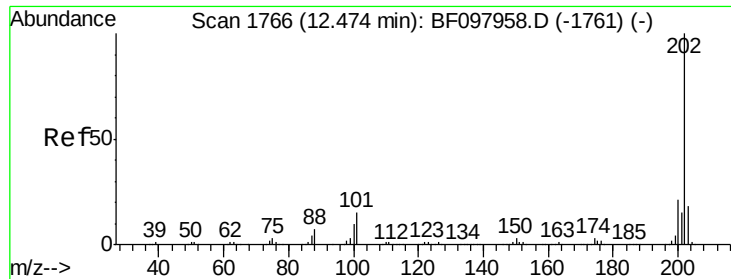
#66
4-Bromophenyl-phenylether
Concen: 2.97 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.26 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Tgt Ion:248 Resp: 12201
Ion Ratio Lower Upper
248 100
250 192.5 76.8 115.2#
141 570.7 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

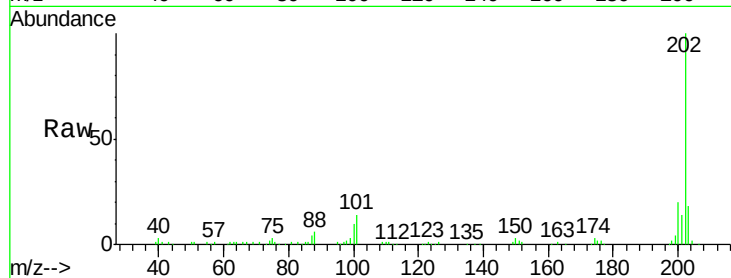




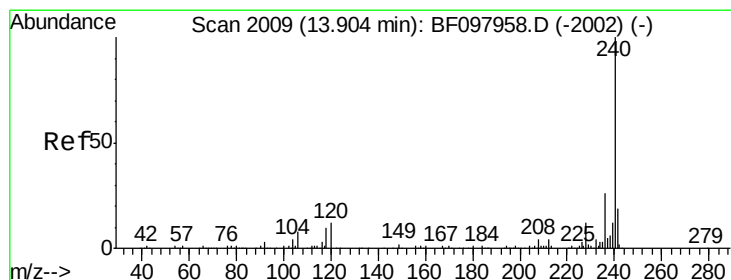
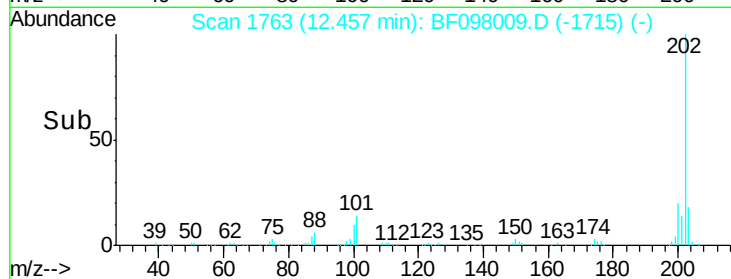
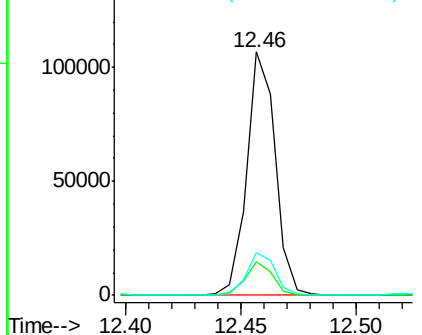
#74
 Fluoranthene
 Concen: 4.20 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BF098009.D
 Acq: 24 Aug 2017 18:37

Instrument :
 BNA_F
 ClientSampled :
 RWB-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.7	0.0	38.1

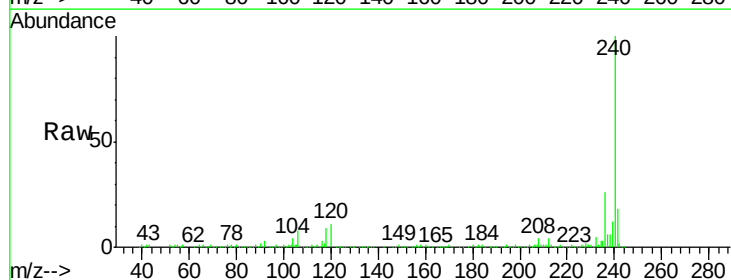


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

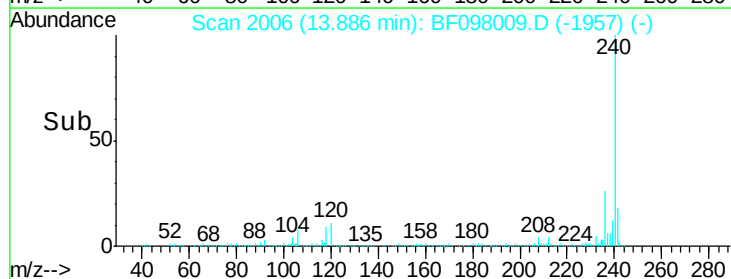
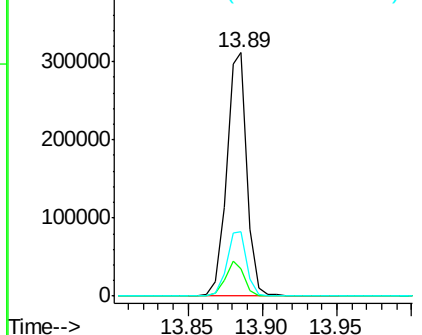


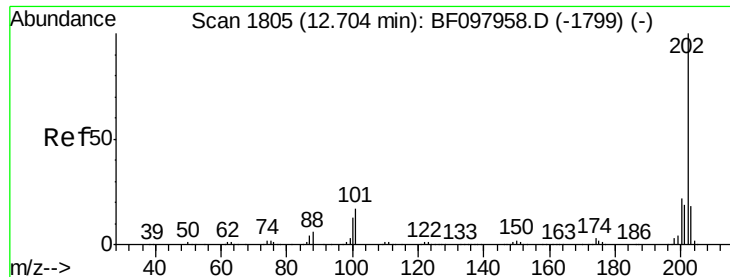
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF098009.D
 Acq: 24 Aug 2017 18:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	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

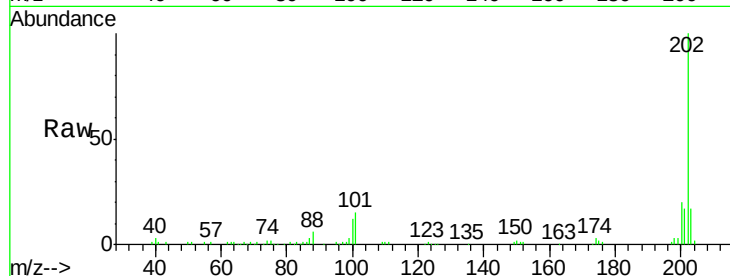




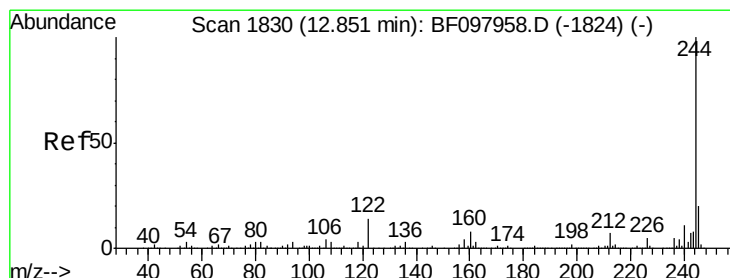
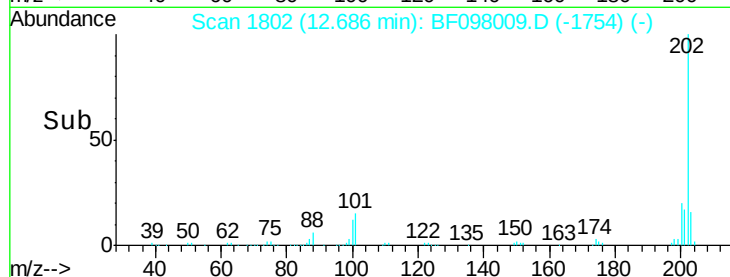
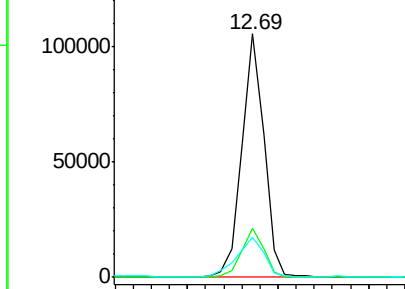
#77
Pvrene
Concen: 3.70 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Instrument :
BNA_F
ClientSampled :
RWB-1

Tot Ion:202 Resp: 90244
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 16.6 14.4 21.6

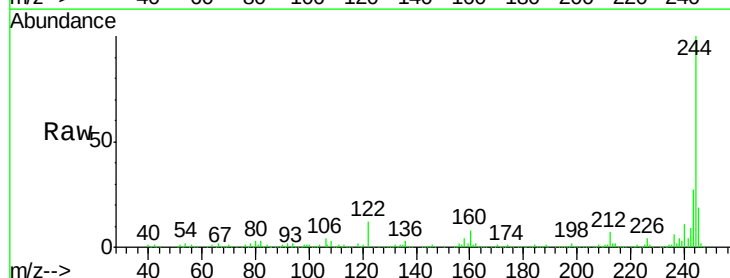


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

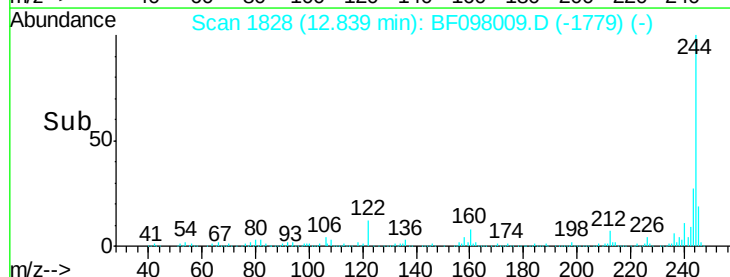
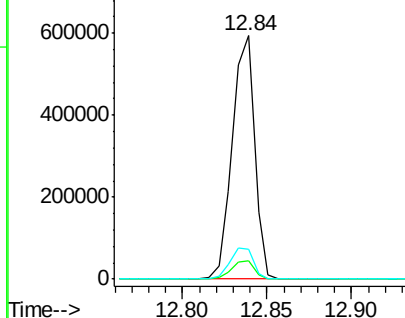


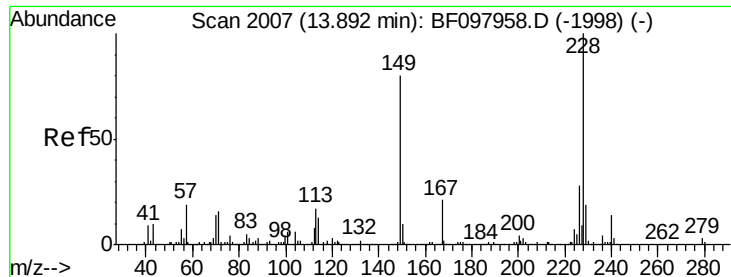
#78
Terphenyl-d14
Concen: 38.04 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF098009.D
Acq: 24 Aug 2017 18:37

Tgt Ion:244 Resp: 544615
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 12.1 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.21 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

Instrument :

BNA_F

ClientSampleId :

RWB-1

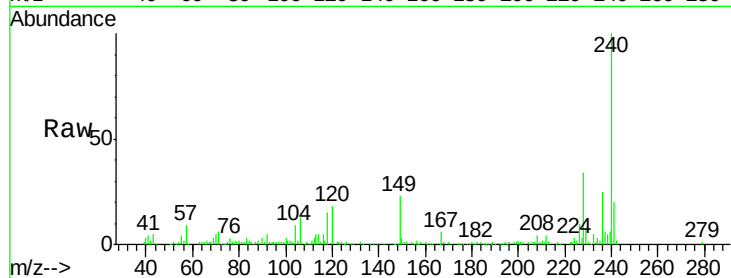
Tot Ion:228 Resp: 39485

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

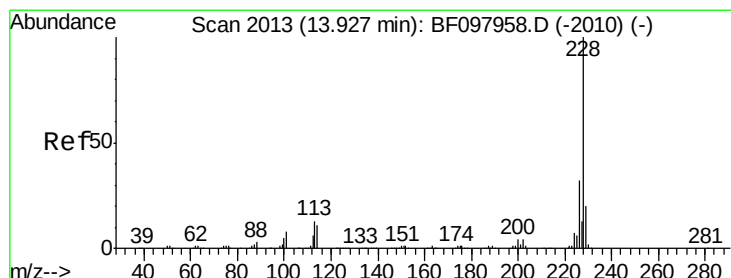
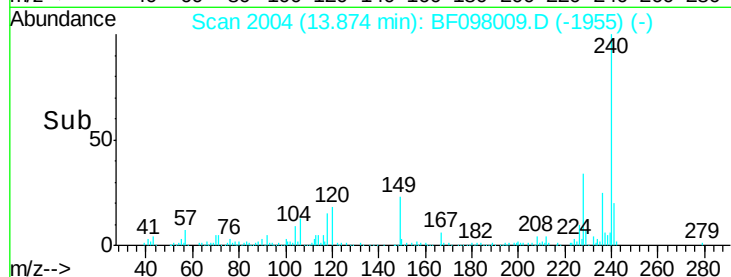
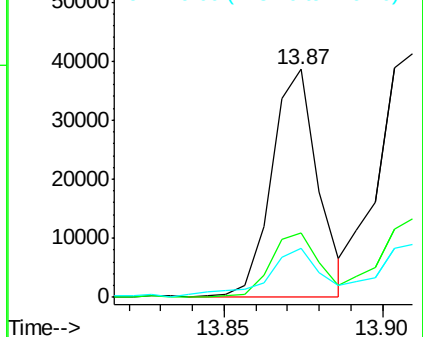
229 21.3 16.3 24.5



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: 2.51 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

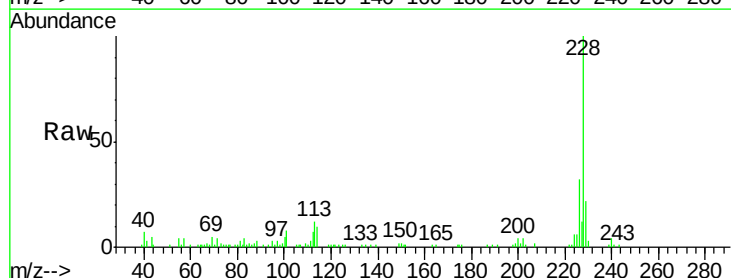
Tgt Ion:228 Resp: 44702

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

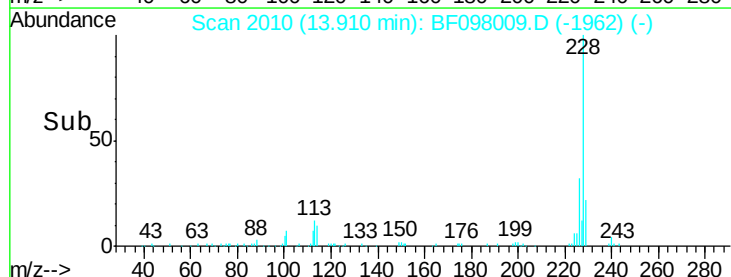
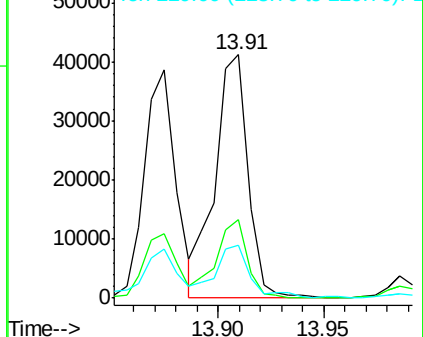
229 21.7 15.8 23.6

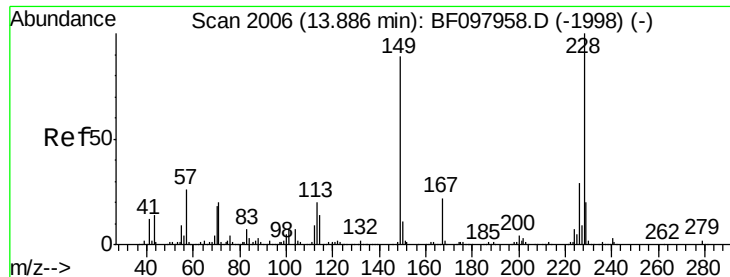


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.24 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

Instrument :

BNA_F

ClientSampleId :

RWB-1

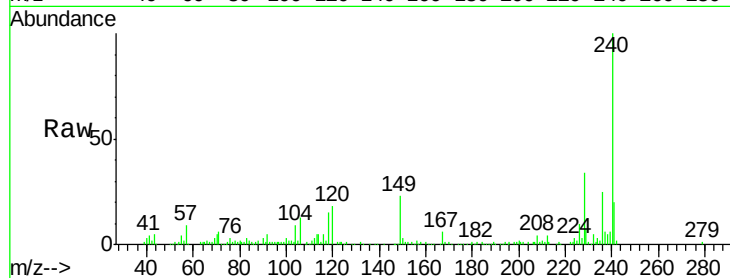
Tot Ion:149 Resp: 23209

Ion Ratio Lower Upper

149 100

167 28.0 21.0 31.4

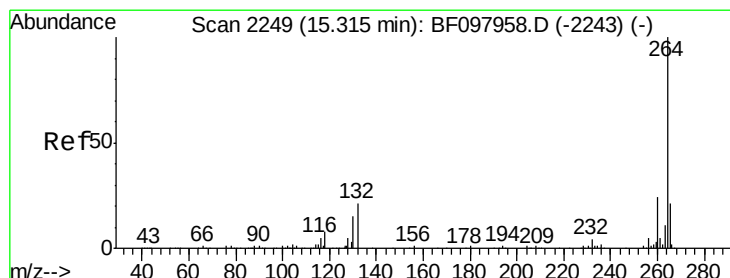
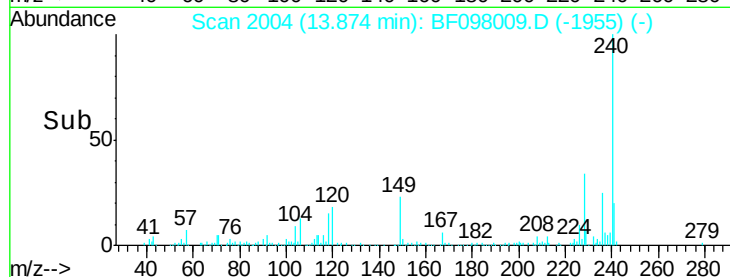
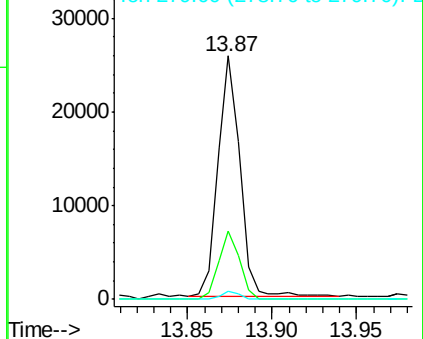
279 3.2 1.9 2.9#



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: 20.00 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

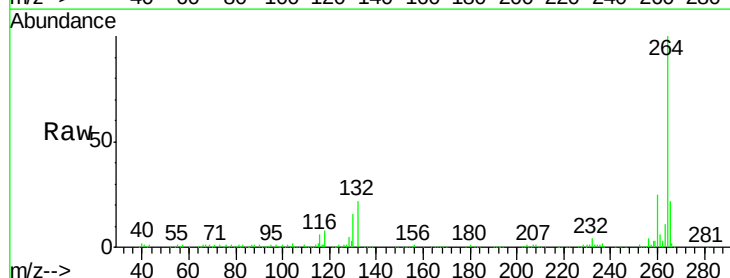
Tgt Ion:264 Resp: 249943

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

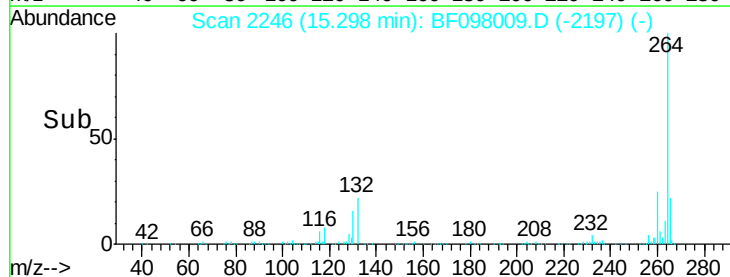
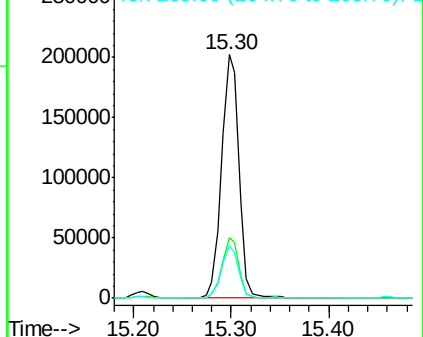
265 22.0 17.2 25.8

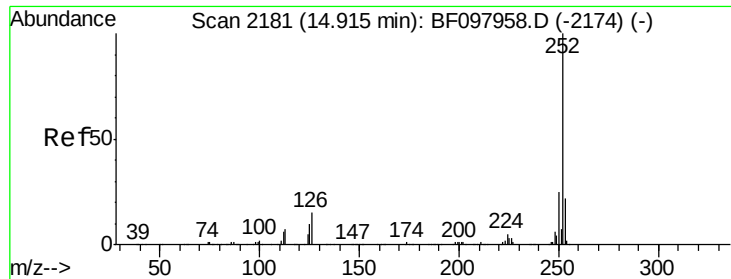


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.11 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

Instrument :

BNA_F

ClientSampleId :

RWB-1

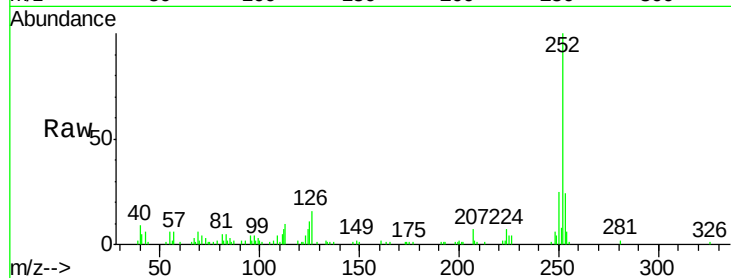
Tot Ion:252 Resp: 64689

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

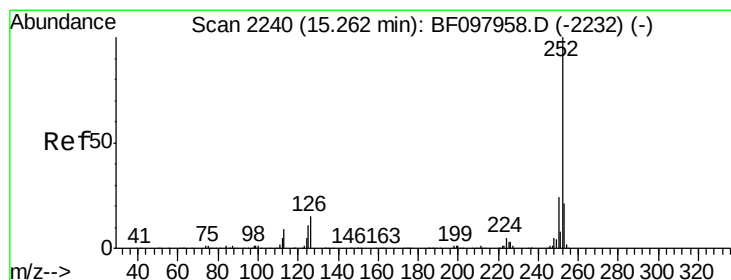
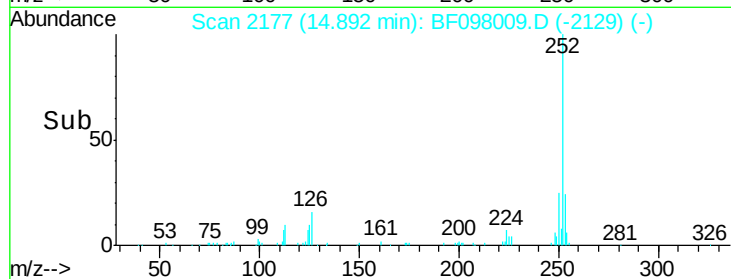
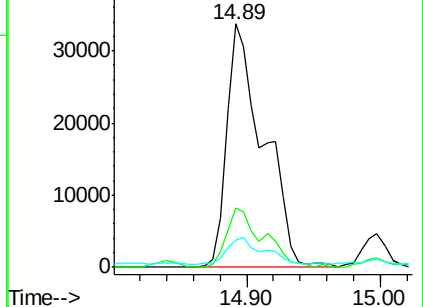
125 11.4 9.8 14.8



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: 2.33 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF098009.D

Acq: 24 Aug 2017 18:37

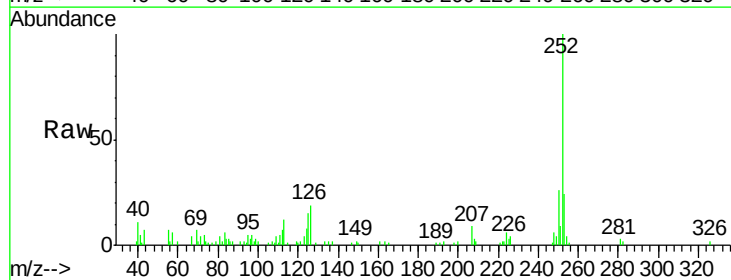
Tgt Ion:252 Resp: 32455

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 14.6 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

