

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098132.D
 Acq On : 30 Aug 2017 1:14
 Operator : SJ/JU
 Sample : I4981-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:04:47 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

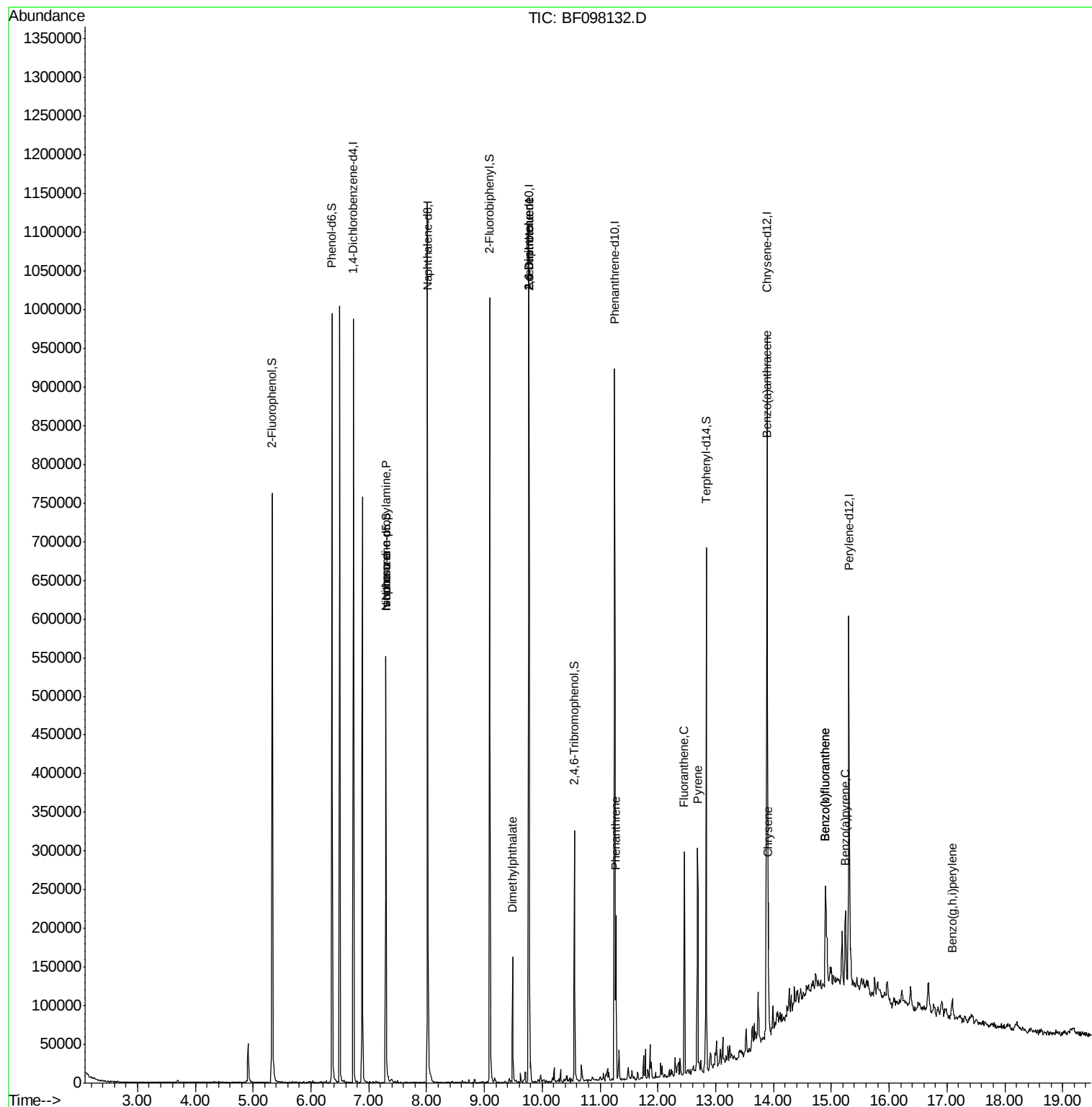
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	129590	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	493324	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	191585	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	293172	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	270304	20.00	ng	-0.01
86) Perylene-d12	15.30	264	204076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	234491	27.52	ng	-0.02
7) Phenol-d6	6.36	99	316090	27.31	ng	-0.02
23) Nitrobenzene-d5	7.29	82	187486	20.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	36038	21.68	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	280450	21.51	ng	-0.02
78) Terphenyl-d14	12.83	244	175997	13.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	23879	3.013	ng	Qvalue # 74
25) Isophorone	7.29	82	183189	9.701	ng	# 67
49) Dimethylphthalate	9.49	163	60298	4.306	ng	98
50) 2,6-Dinitrotoluene	9.77	165	25136	8.992	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	25136	7.165	ng	# 33
70) Phenanthrene	11.27	178	66550	4.260	ng	100
74) Fluoranthene	12.46	202	117834	7.226	ng	98
77) Pyrene	12.69	202	114836	5.194	ng	97
80) Benzo(a)anthracene	13.87	228	63086	3.894	ng	98
82) Chrysene	13.91	228	55541	3.446	ng	98
87) Benzo(b)fluoranthene	14.90	252	84084	6.537	ng	98
88) Benzo(k)fluoranthene	14.90	252	84084	6.958	ng	97
89) Benzo(a)pyrene	15.24	252	41494	3.644	ng	97
91) Benzo(a,h,i)perylene	17.09	276	19936	2.061	ng	# 88

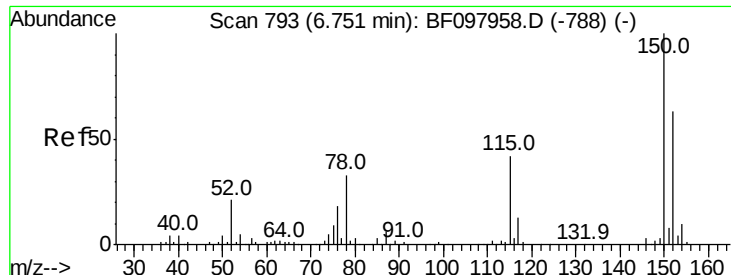
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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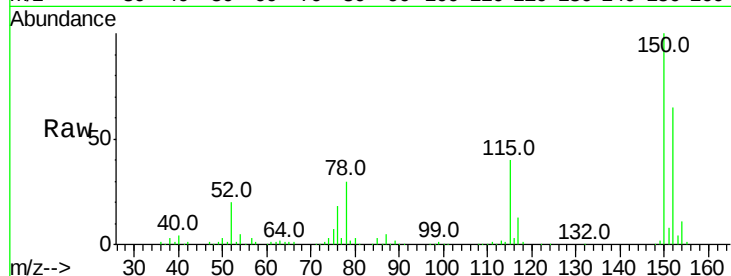


#1

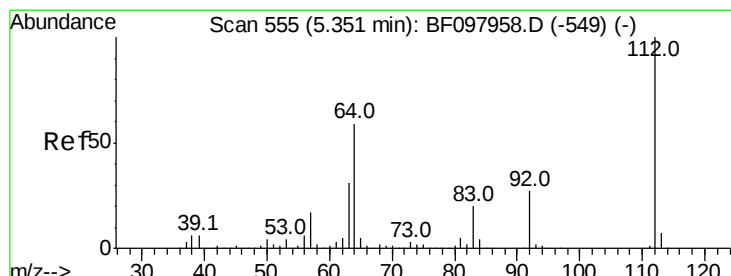
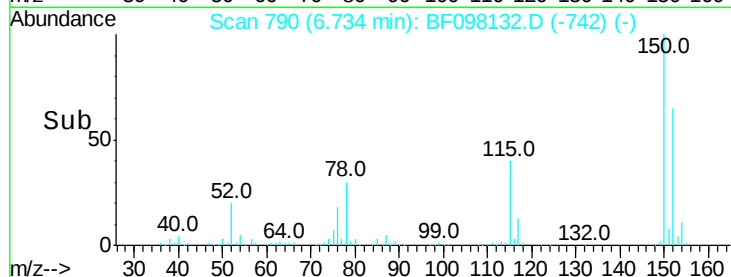
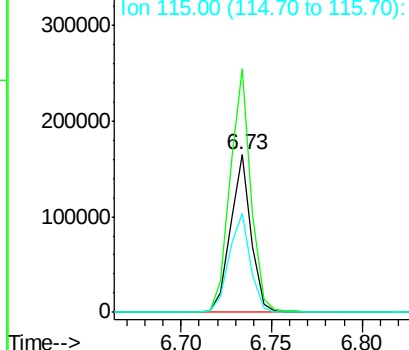
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129590
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 62.4 52.2 78.2



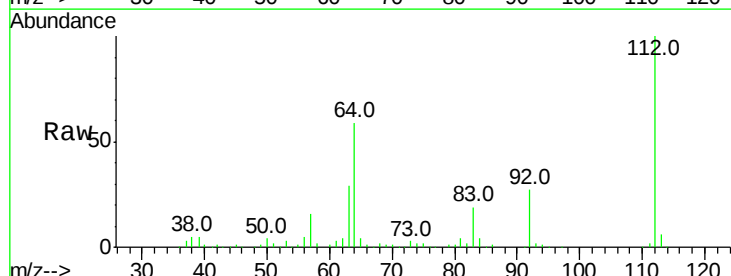
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



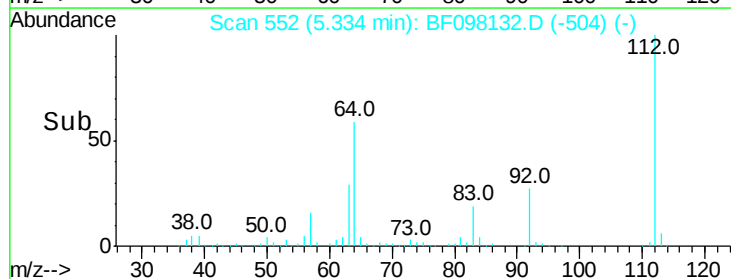
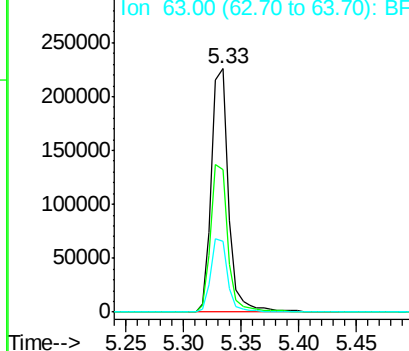
#5

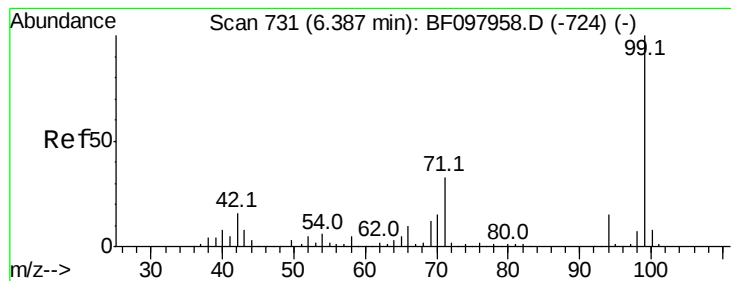
2-Fluorophenol
Concen: 27.524 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

Tgt Ion:112 Resp: 234491
Ion Ratio Lower Upper
112 100
64 58.6 46.0 69.0
63 29.0 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: 27.306 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

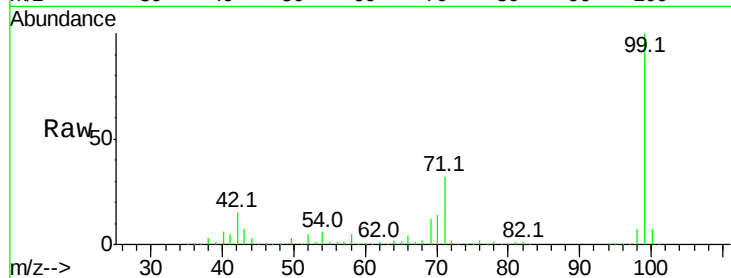
Tot Ion: 99 Resp: 316090

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

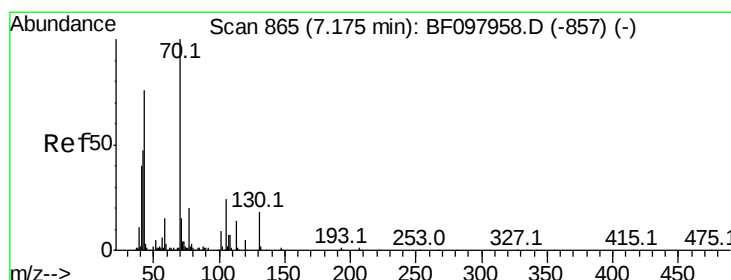
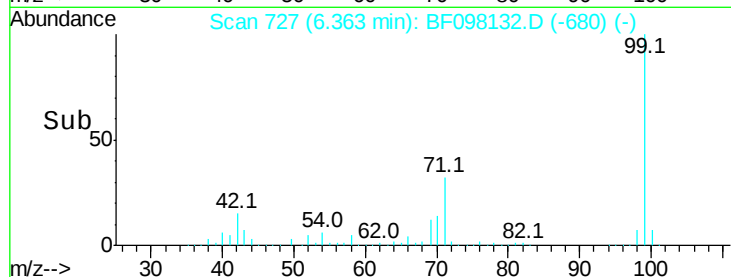
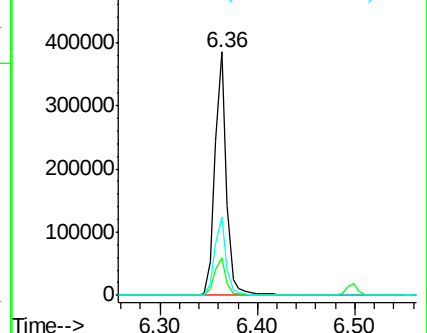
71 32.1 24.5 36.7



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: 3.013 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Tgt Ion: 70 Resp: 23879

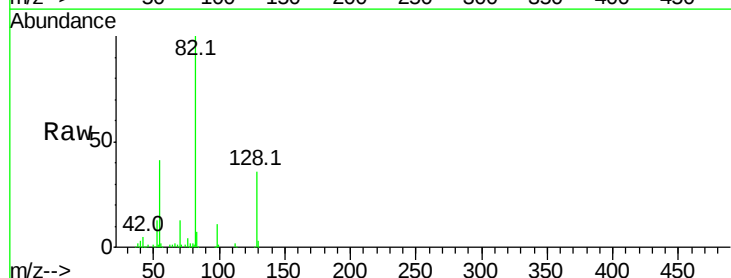
Ion Ratio Lower Upper

70 100

42 42.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

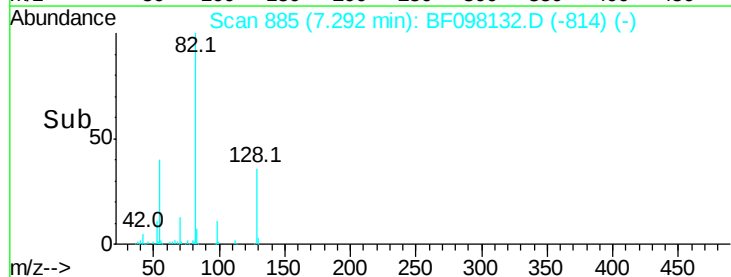
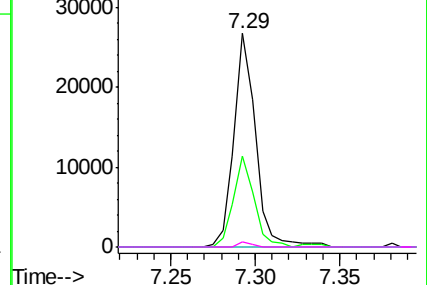


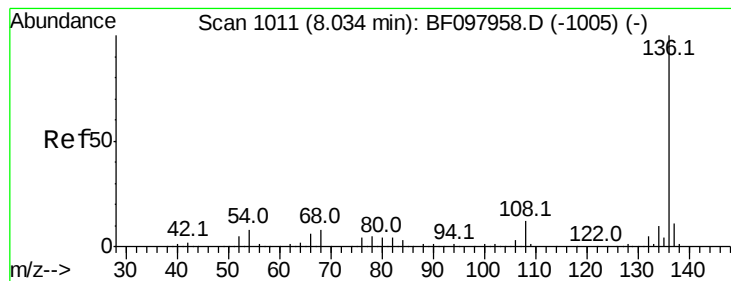
Abundance Ion 70.00 (69.70 to 70.70): BF0

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# 1008

Delta R.T. -0.02 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 493324

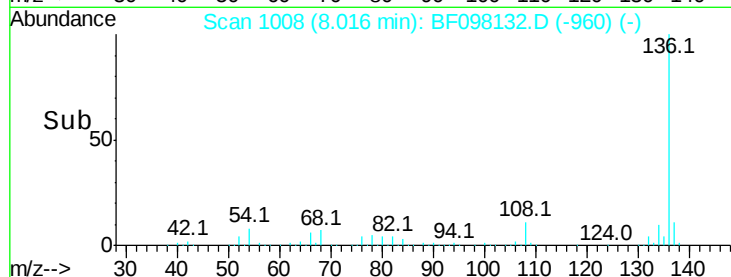
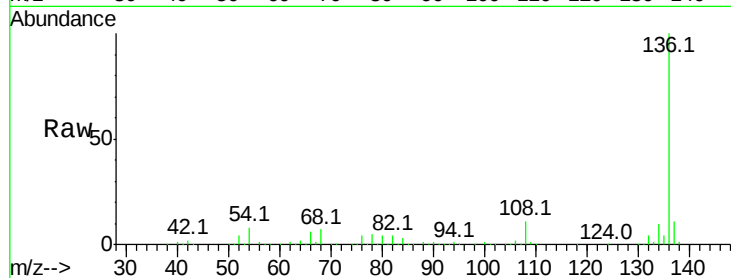
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.7 4.9 7.3#

68 7.5 4.1 6.1#

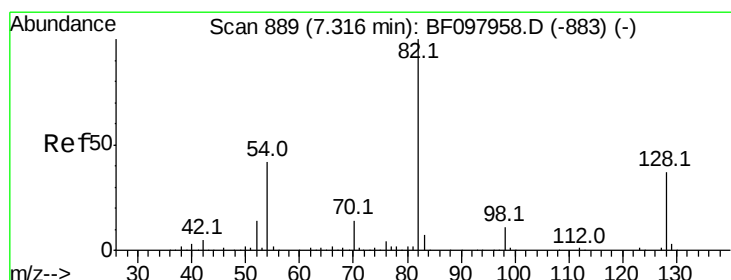
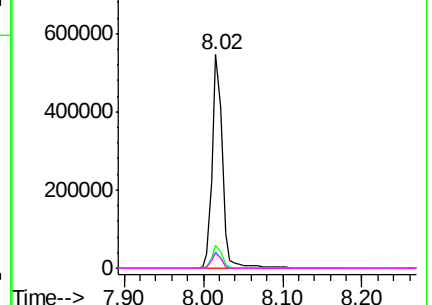


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 20.646 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

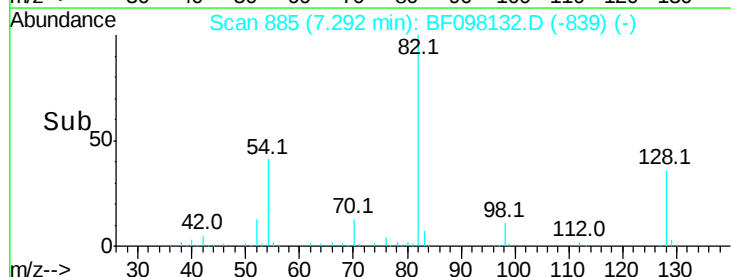
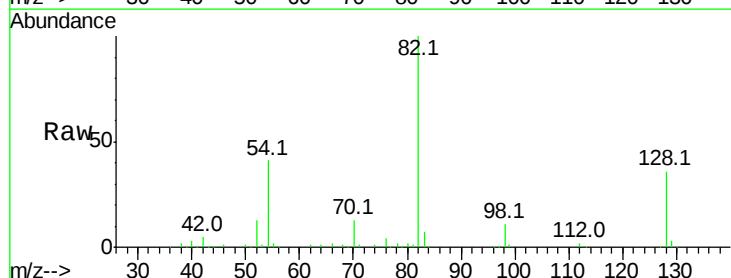
Tgt Ion: 82 Resp: 187486

Ion Ratio Lower Upper

82 100

128 36.2 34.0 51.0

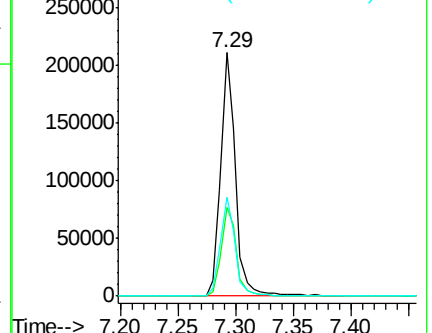
54 40.8 42.2 63.2#

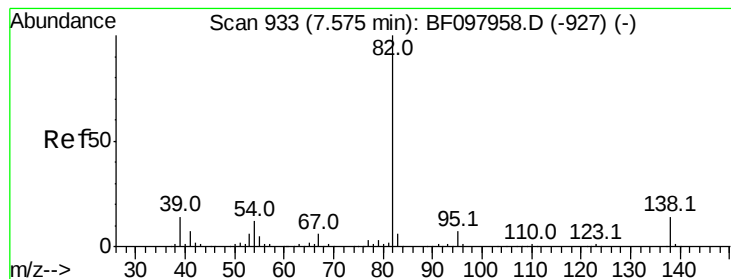


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.701 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

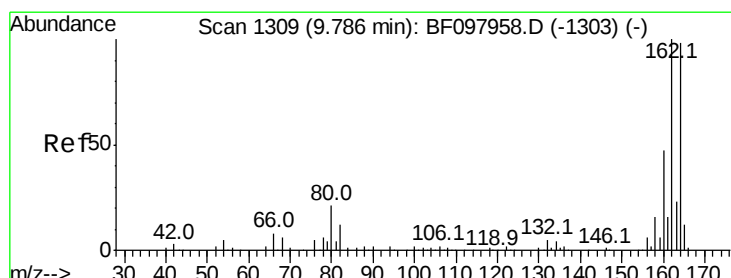
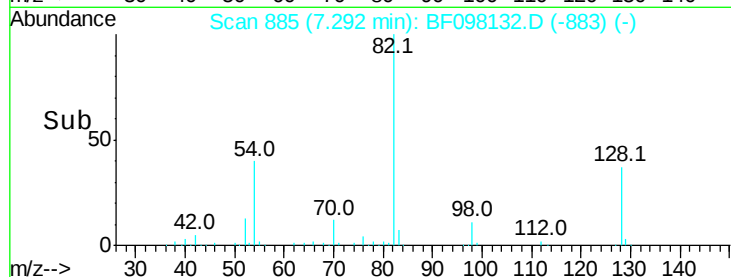
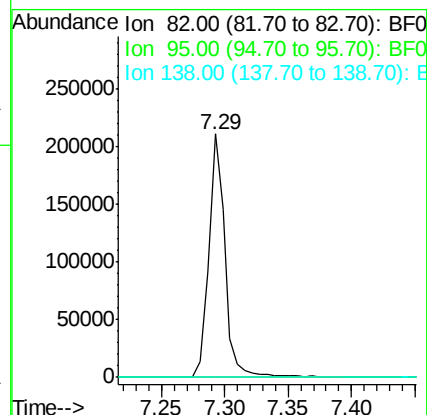
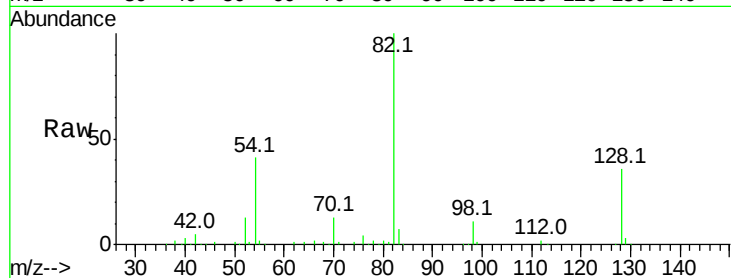
Tot Ion: 82 Resp: 183189

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

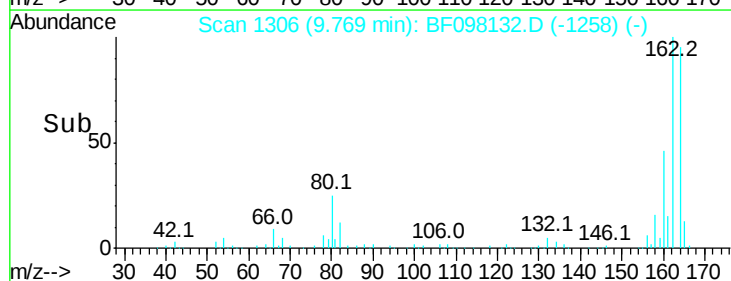
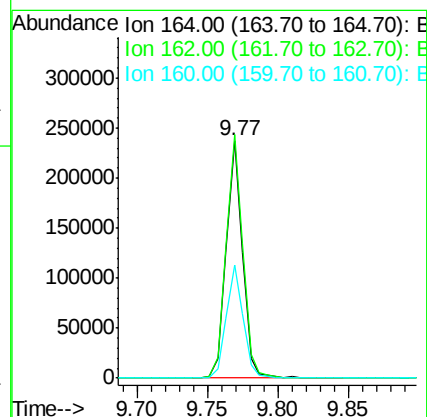
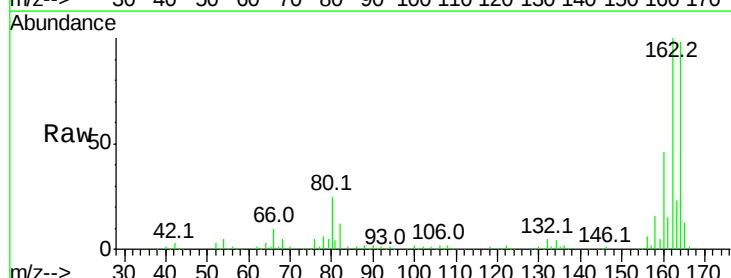
Tgt Ion:164 Resp: 191585

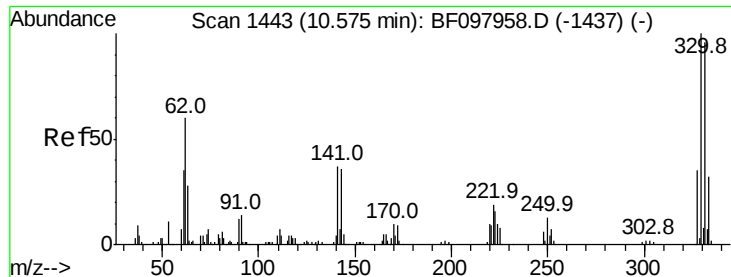
Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

160 47.4 36.2 54.2

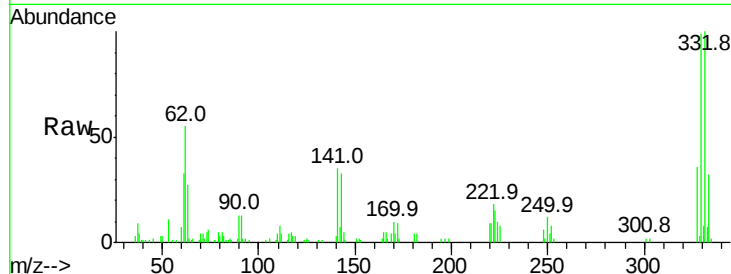




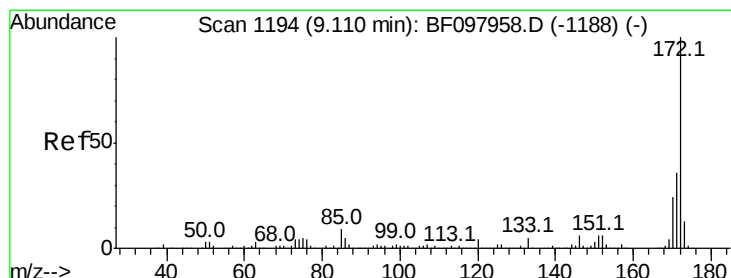
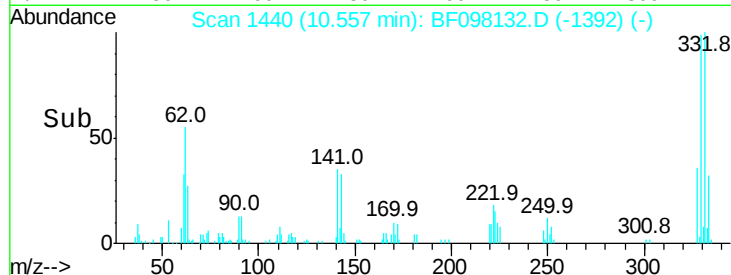
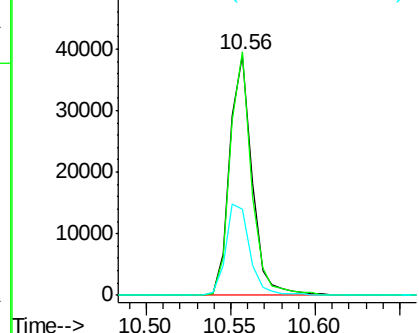
#41
 2,4,6-Tribromophenol
 Concen: 21.679 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098132.D
 Acq: 30 Aug 2017 1:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	41.5	31.4	47.2

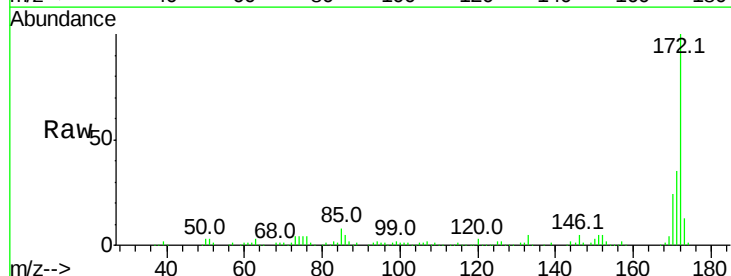


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

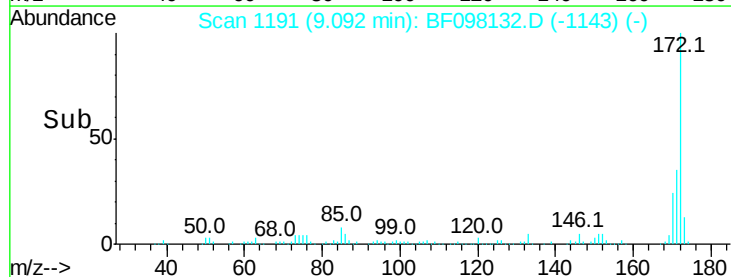
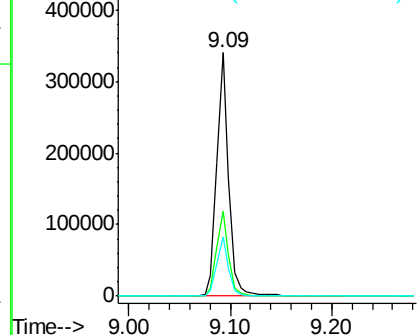


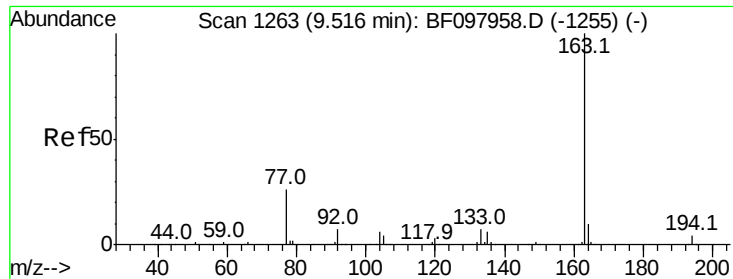
#44
 2-Fluorobiphenyl
 Concen: 21.507 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098132.D
 Acq: 30 Aug 2017 1:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.2	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

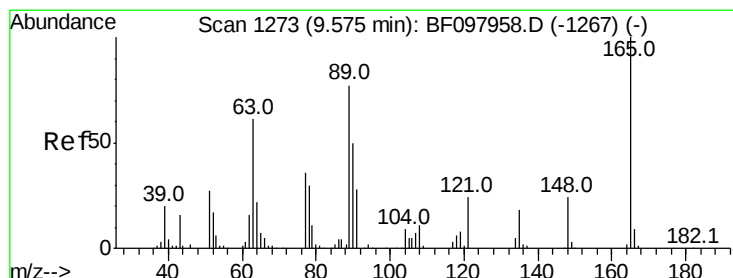
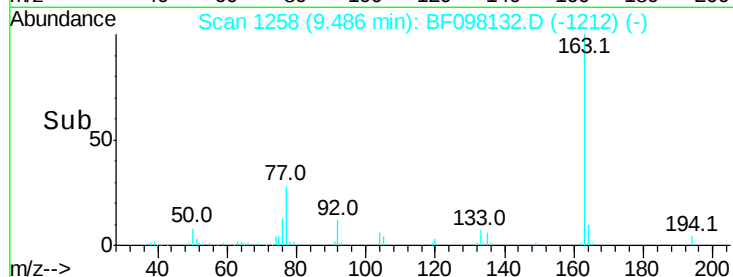
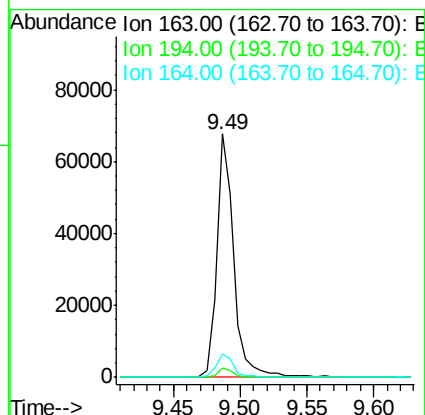
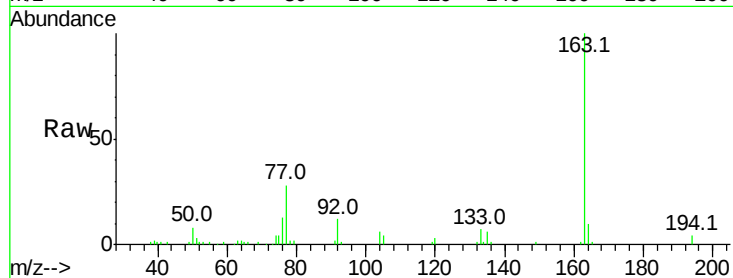




#49
Dimethylphthalate
Concen: 4.306 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

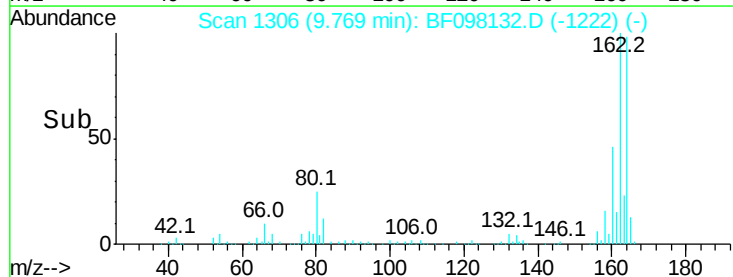
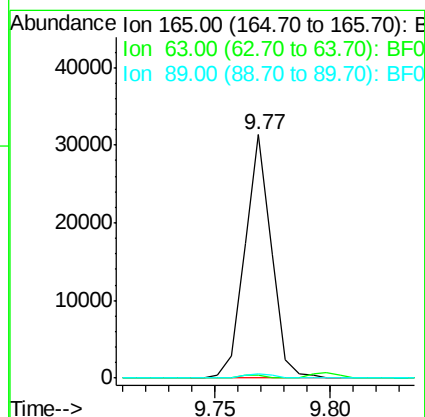
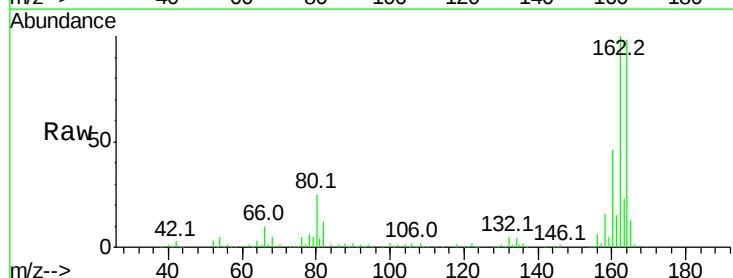
Instrument :
BNA_F
ClientSampleId :

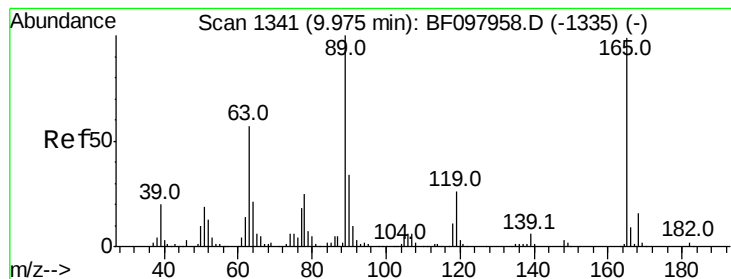
Tot Ion:163 Resp: 60298
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.6 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.992 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.19 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

Tgt Ion:165 Resp: 25136
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.9 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 7.165 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 25136

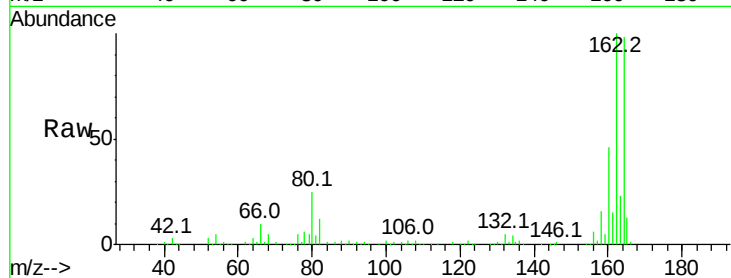
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

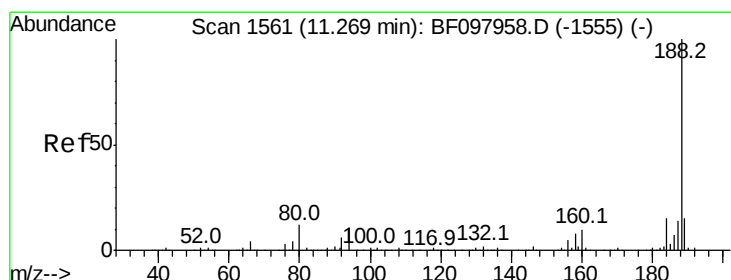
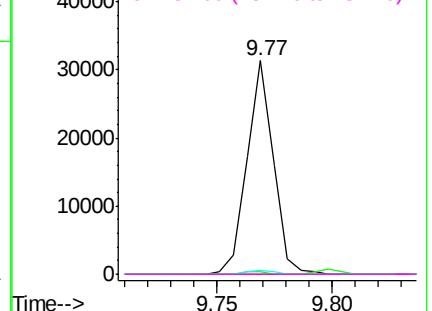
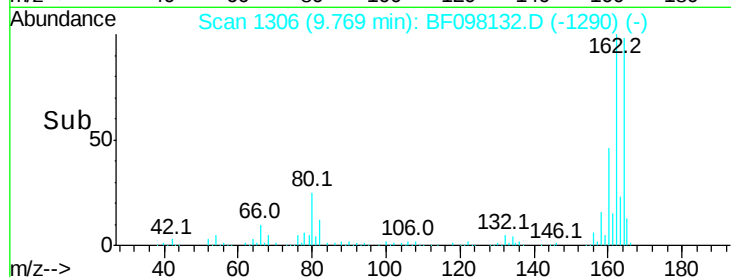


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

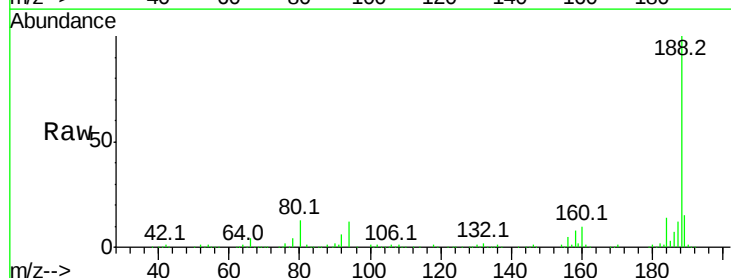
Tgt Ion:188 Resp: 293172

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

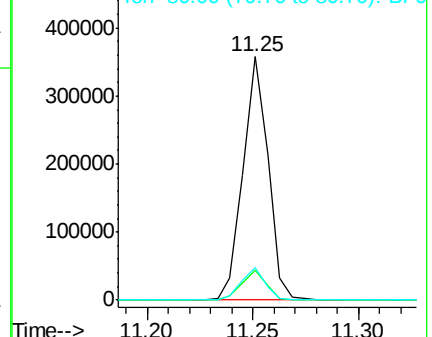
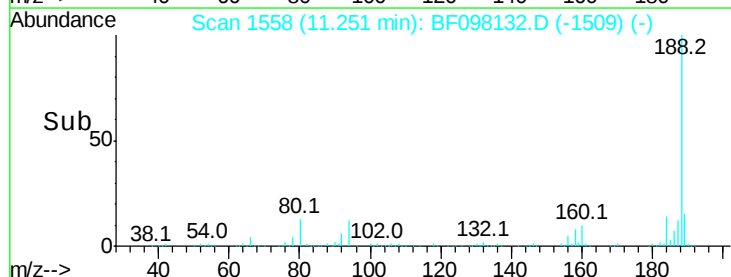
80 13.4 10.2 15.2

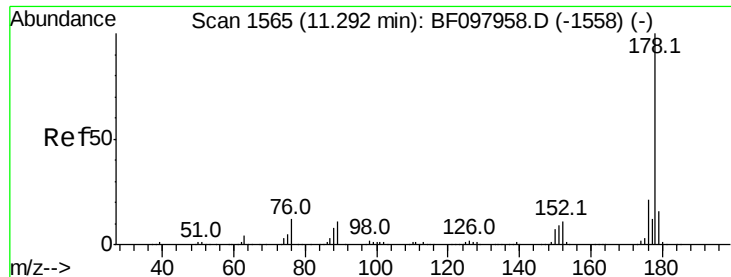


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

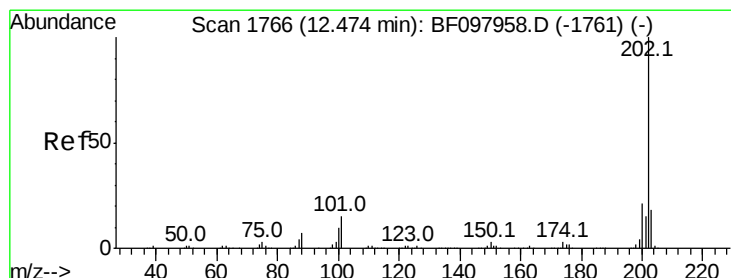
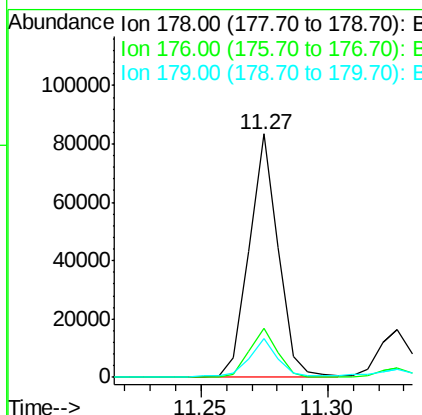
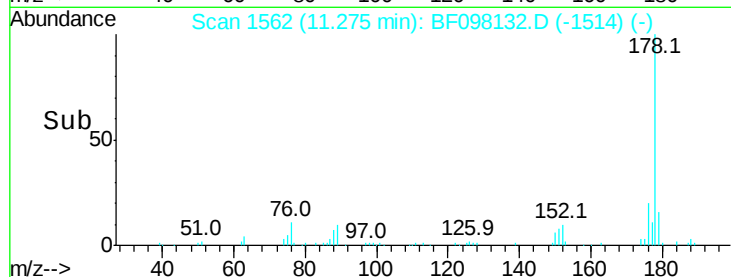
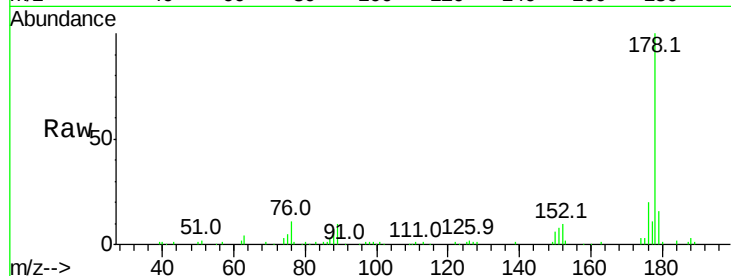




#70
Phenanthrene
Concen: 4.260 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

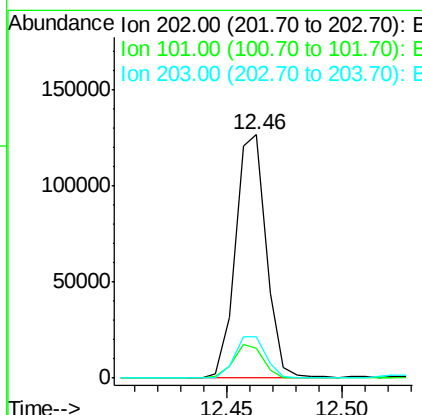
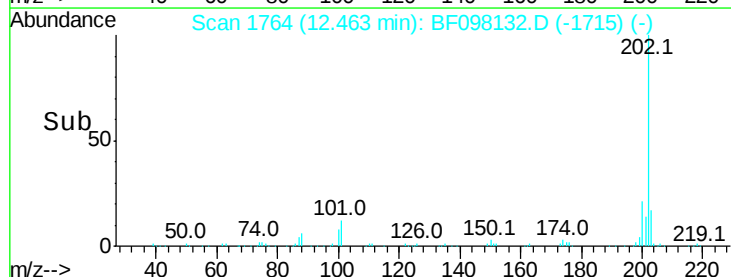
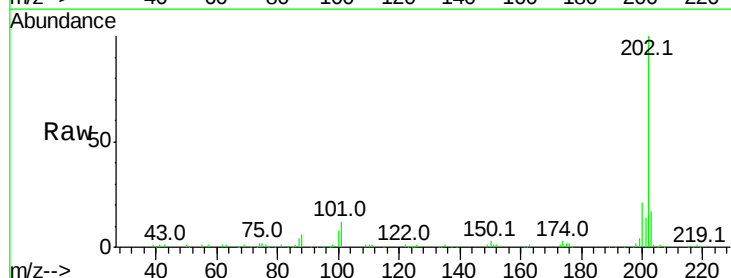
Instrument :
BNA_F
ClientSampleId :

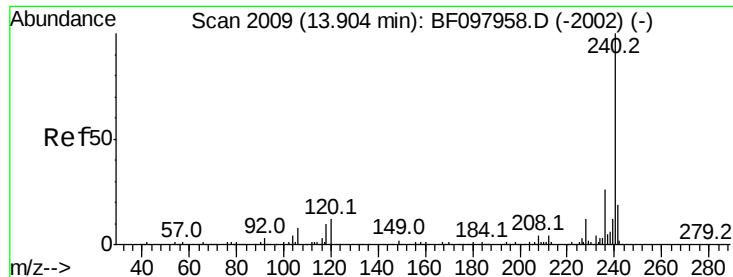
Tot Ion:178 Resp: 66550
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 16.1 12.6 19.0



#74
Fluoranthene
Concen: 7.226 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

Tgt Ion:202 Resp: 117834
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.2
203 17.2 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: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

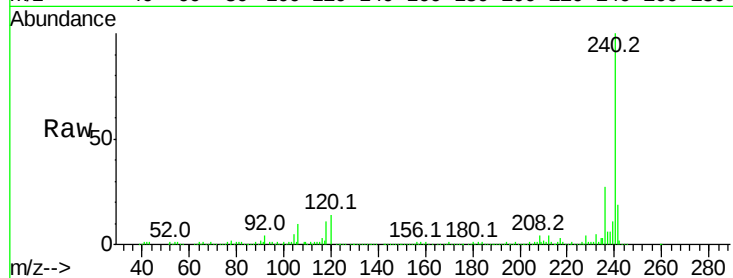
Tot Ion:240 Resp: 270304

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

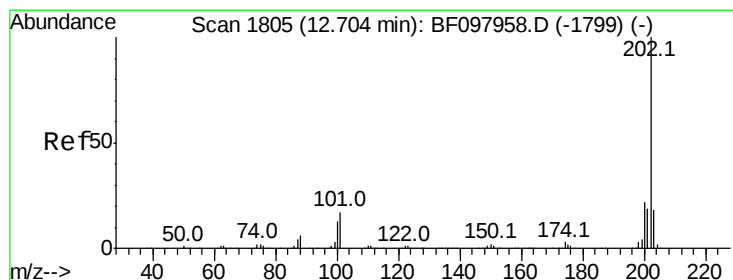
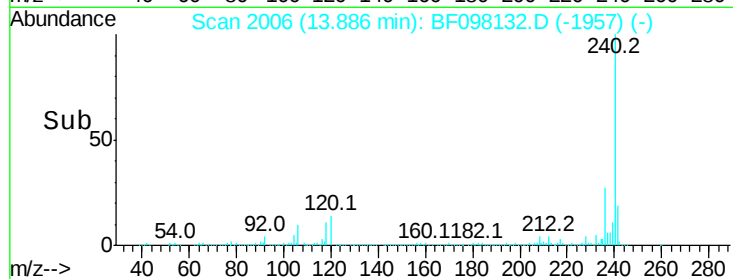
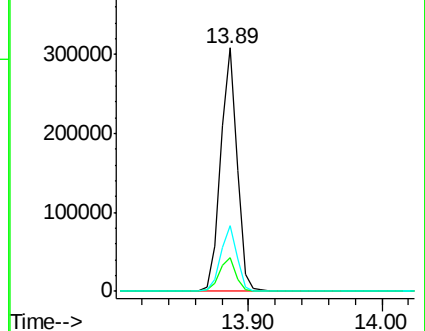
236 26.9 20.5 30.7



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

Pyrene

Concen: 5.194 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

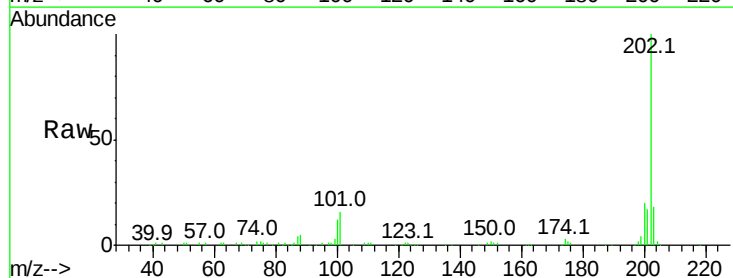
Tgt Ion:202 Resp: 114836

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

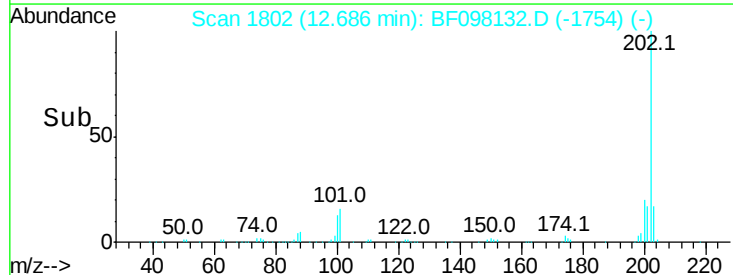
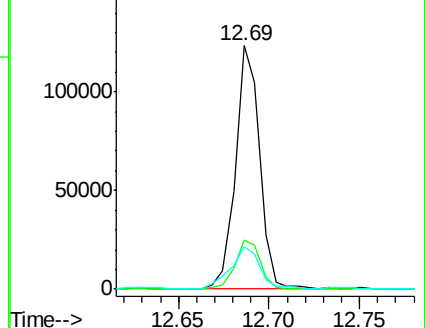
203 17.8 14.4 21.6

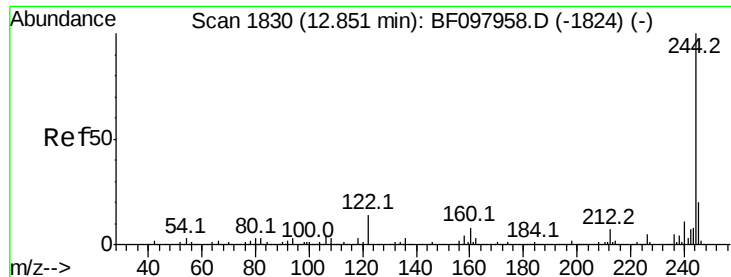


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.578 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

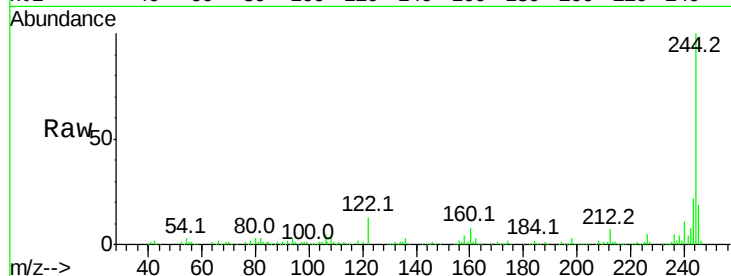
Tot Ion:244 Resp: 175997

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

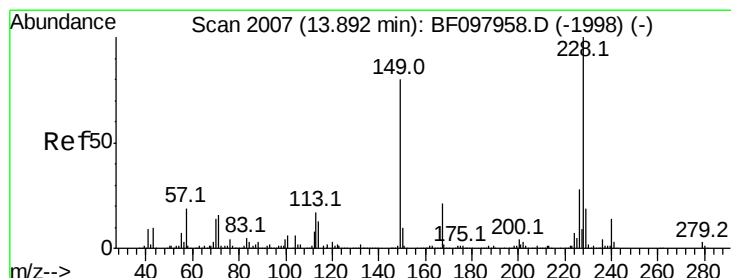
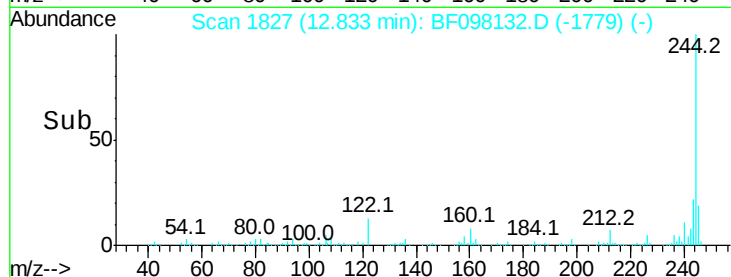
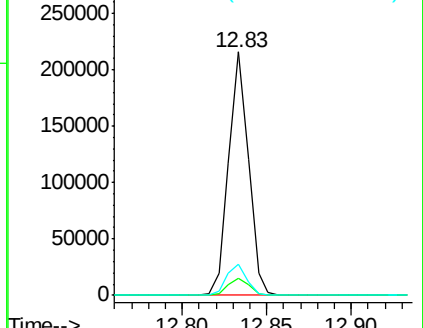
122 12.7 10.3 15.5



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: 3.894 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

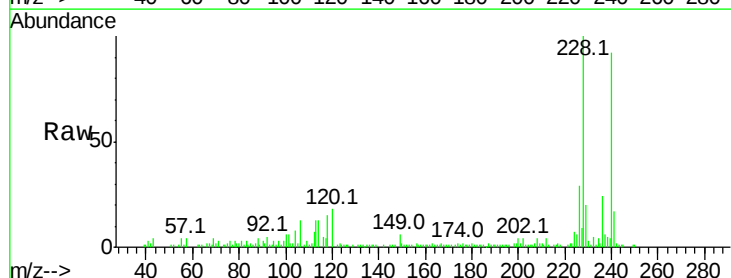
Tgt Ion:228 Resp: 63086

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

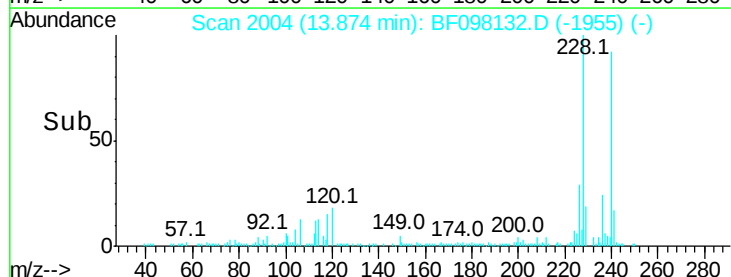
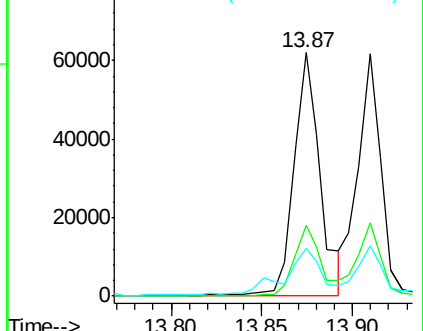
229 19.9 16.3 24.5

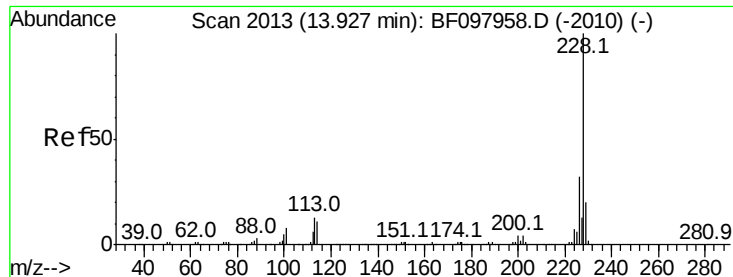


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.446 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

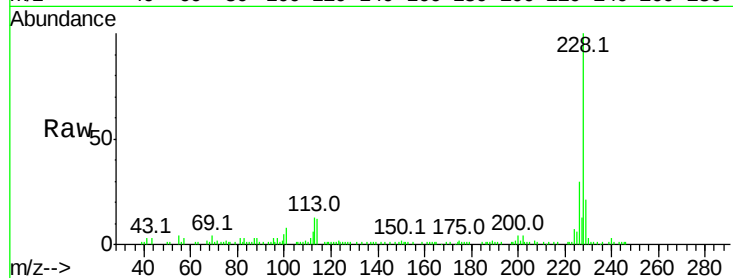
Tot Ion:228 Resp: 55541

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

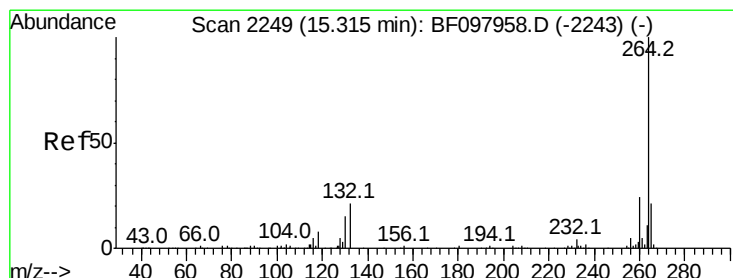
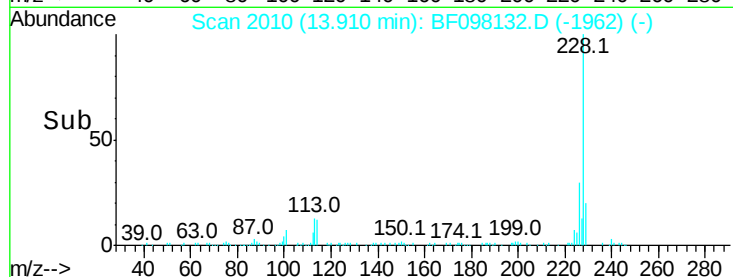
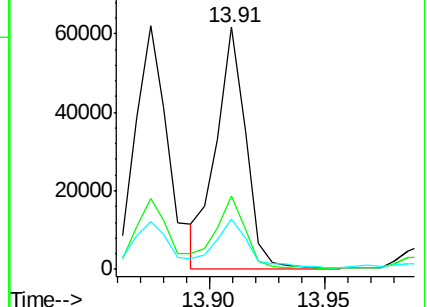
229 20.8 15.8 23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

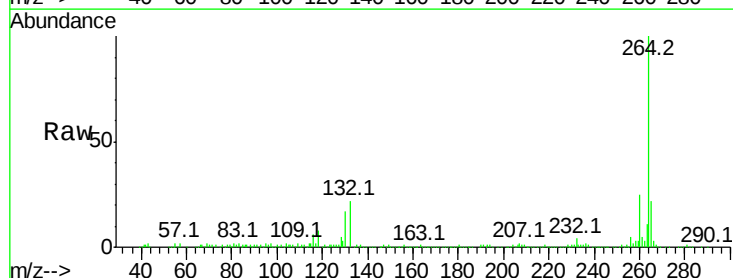
Tgt Ion:264 Resp: 204076

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

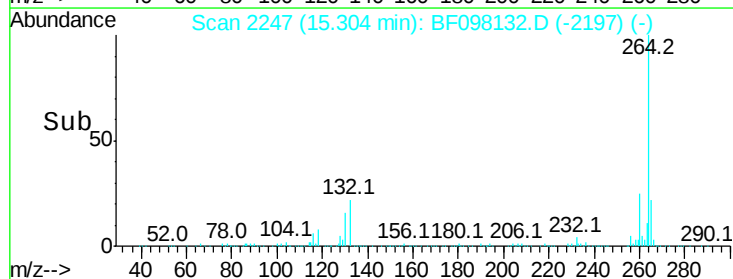
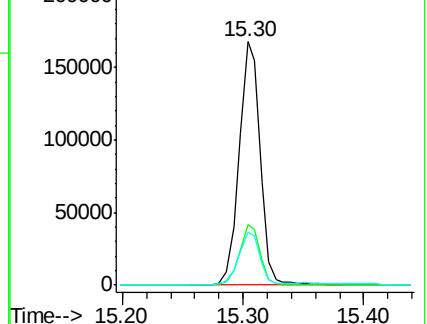
265 21.9 17.2 25.8

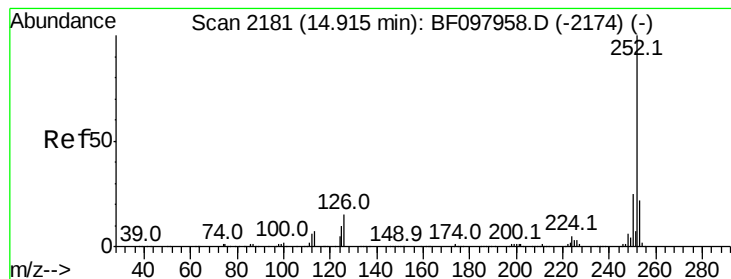


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.537 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

Instrument :

BNA_F

ClientSampleId :

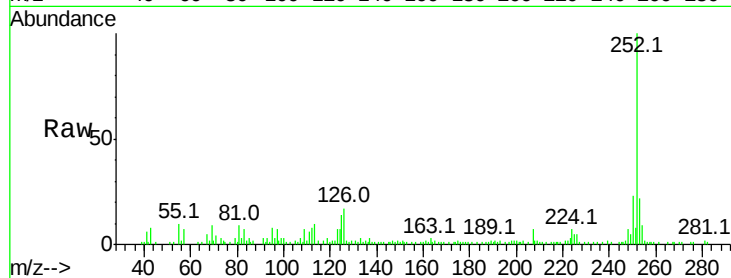
Tot Ion:252 Resp: 84084

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

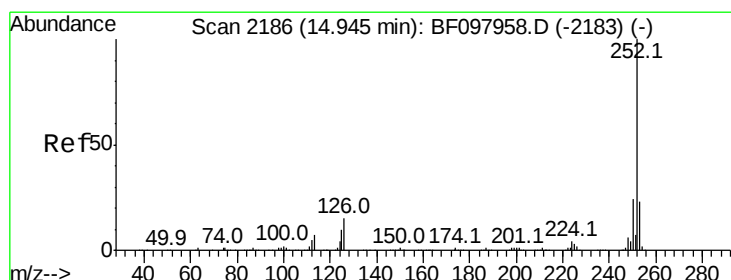
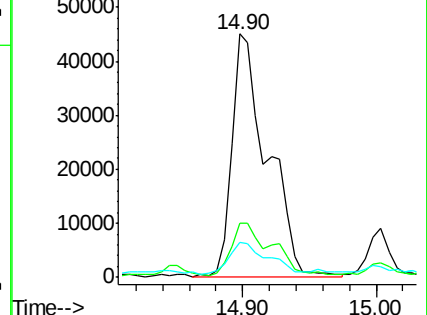
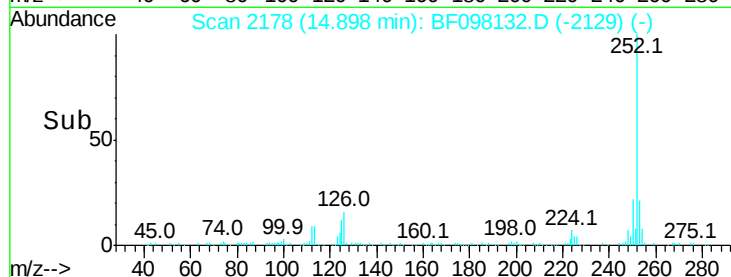
125 14.2 9.8 14.8



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: 6.958 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.04 min

Lab File: BF098132.D

Acq: 30 Aug 2017 1:14

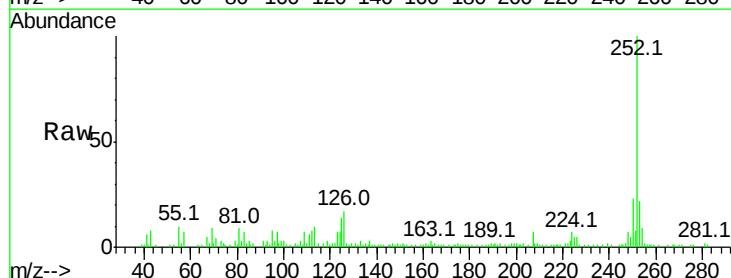
Tgt Ion:252 Resp: 84084

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

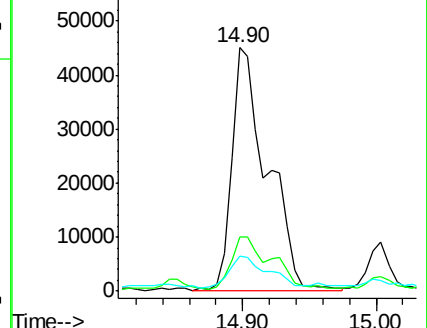
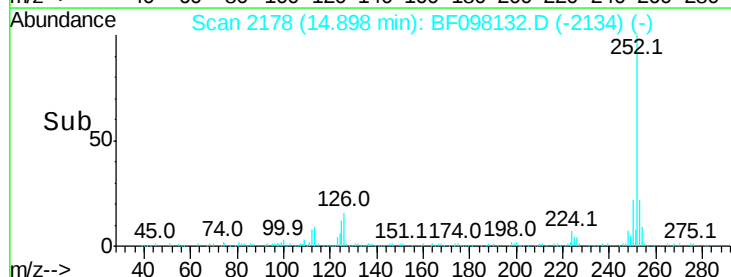
125 14.2 13.1 19.7

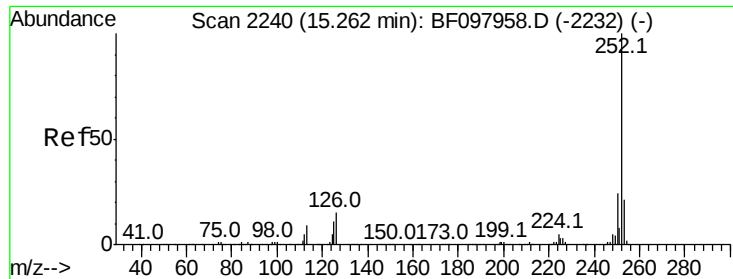


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

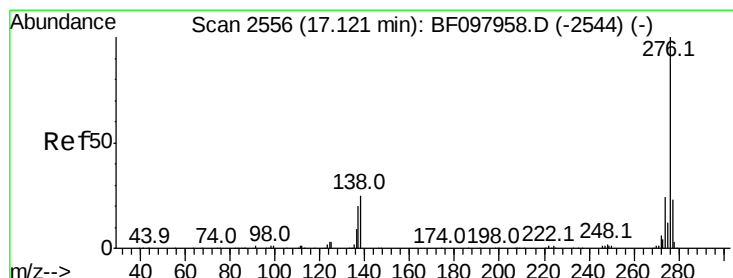
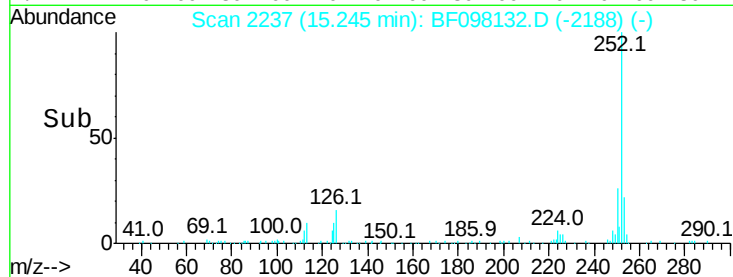
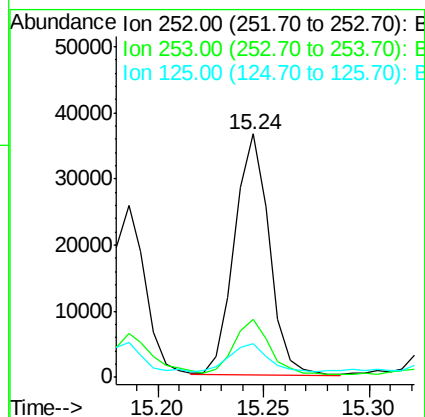
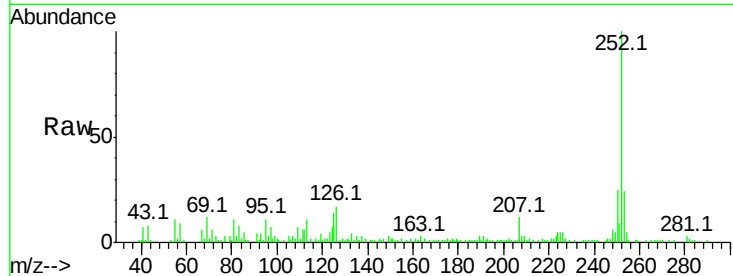




#89
Benzo(a)pyrene
Concen: 3.644 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 41494
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 13.8 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 2.061 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF098132.D
Acq: 30 Aug 2017 1:14

Tgt Ion:276 Resp: 19936
Ion Ratio Lower Upper
276 100
277 19.6 18.6 28.0
138 23.0 25.4 38.0#

