

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\
 Data File : BF098258.D
 Acq On : 2 Sep 2017 21:00
 Operator : SJ/JU
 Sample : I5026-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 07:27:16 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

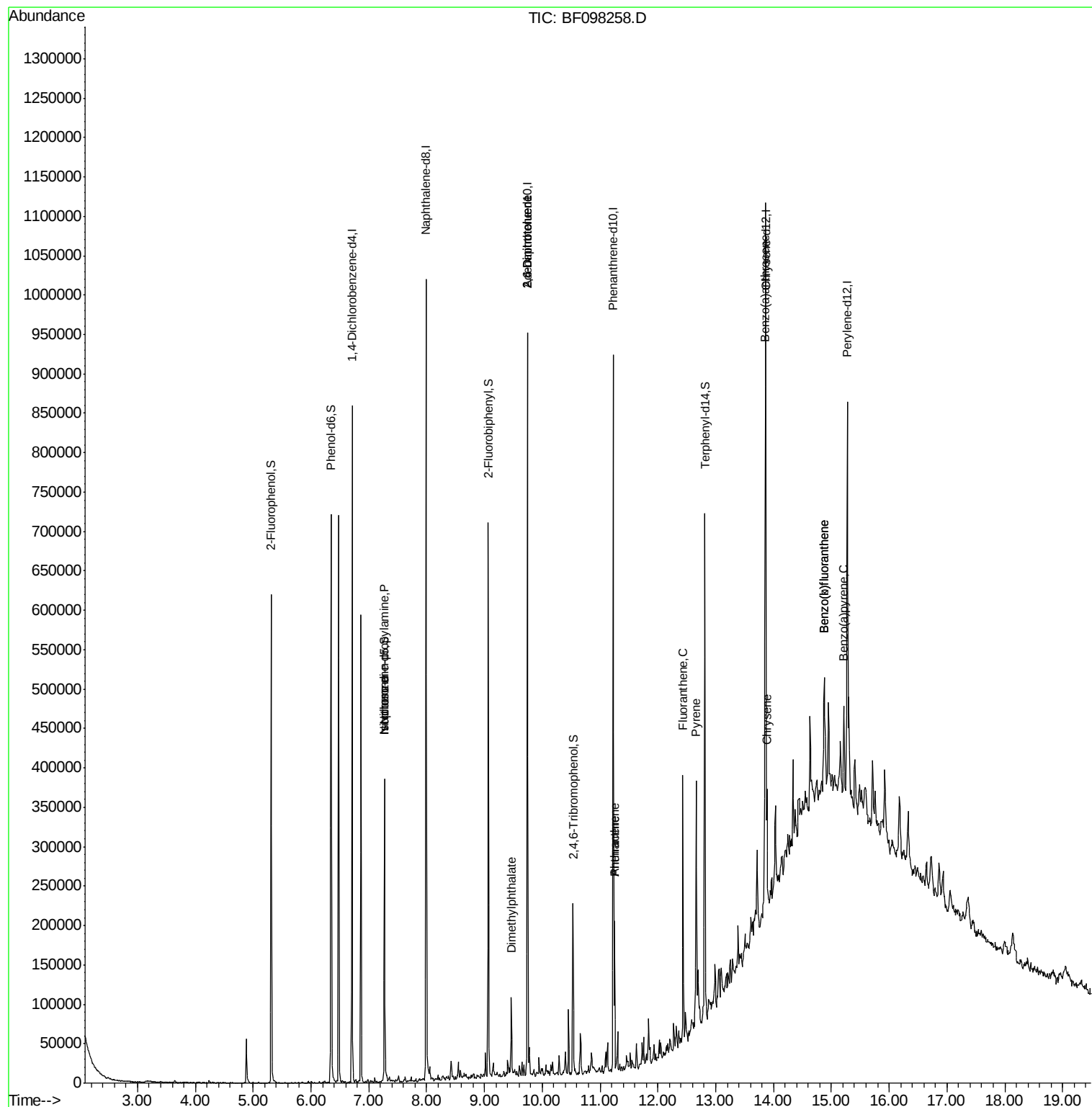
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	111687	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	414368	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	161288	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	294902	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	273801	20.00	ng	-0.04
86) Perylene-d12	15.28	264	223327	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	170728	23.25	ng	-0.04
7) Phenol-d6	6.35	99	238279	23.88	ng	-0.04
23) Nitrobenzene-d5	7.27	82	139268	18.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	23823	17.02	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	210614	19.19	ng	-0.04
78) Terphenyl-d14	12.81	244	162441	12.37	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	18717	2.741	ng	# 73
25) Isophorone	7.27	82	137304	8.657	ng	# 67
49) Dimethylphthalate	9.46	163	31261	2.652	ng	98
50) 2,6-Dinitrotoluene	9.75	165	21053	8.946	ng	# 34
56) 2,4-Dinitrotoluene	9.75	165	21053	7.129	ng	# 34
70) Phenanthrene	11.25	178	62019	3.947	ng	97
71) Anthracene	11.25	178	62019	3.891	ng	97
74) Fluoranthene	12.43	202	129113	7.872	ng	98
77) Pyrene	12.66	202	116352	5.196	ng	97
80) Benzo(a)anthracene	13.85	228	61249	3.732	ng	96
82) Chrysene	13.89	228	52190	3.197	ng	96
87) Benzo(b)fluoranthene	14.87	252	87644	6.226	ng	# 94
88) Benzo(k)fluoranthene	14.87	252	87644	6.627	ng	98
89) Benzo(a)pyrene	15.22	252	44113	3.540	ng	# 90

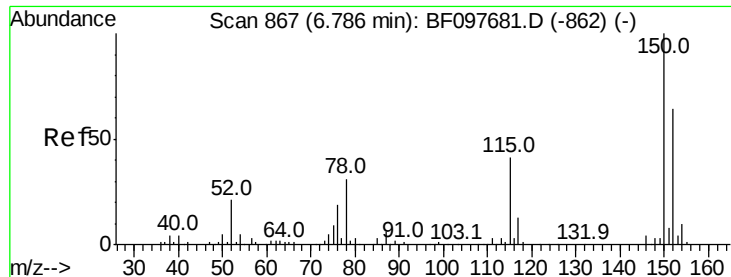
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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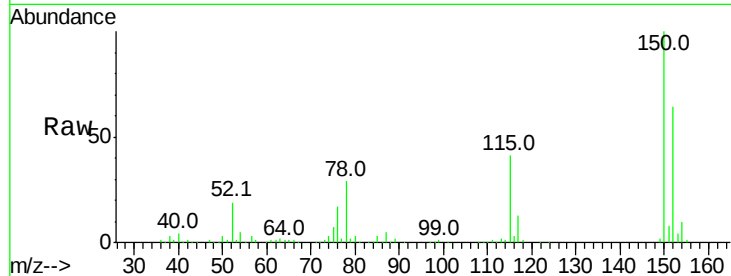


#1

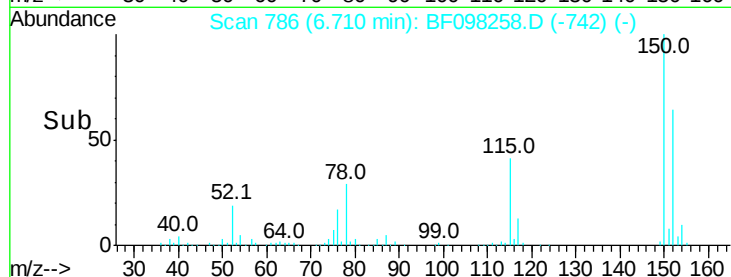
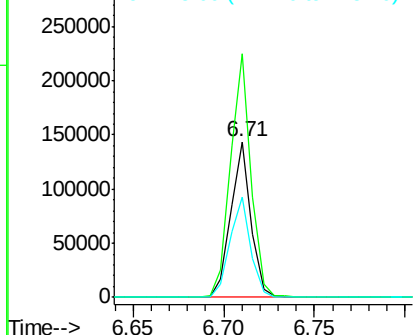
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111687
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.2
115 64.3 52.2 78.2



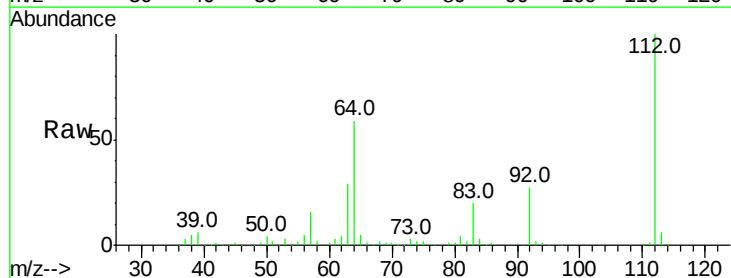
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



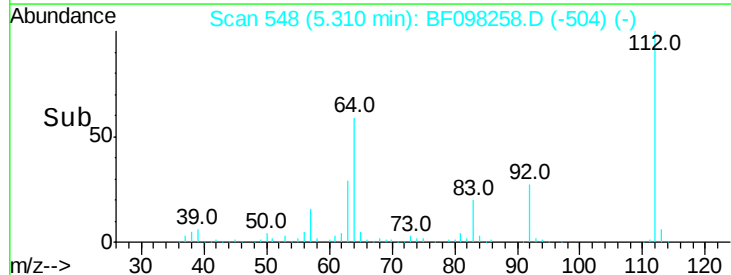
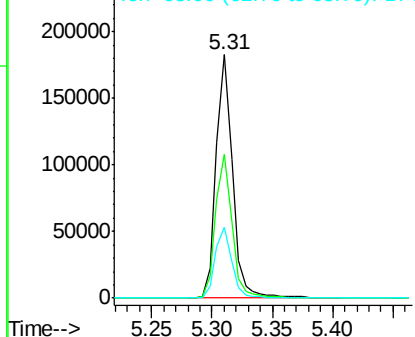
#5

2-Fluorophenol
Concen: 23.252 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:112 Resp: 170728
Ion Ratio Lower Upper
112 100
64 59.1 46.0 69.0
63 29.1 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: 23.884 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

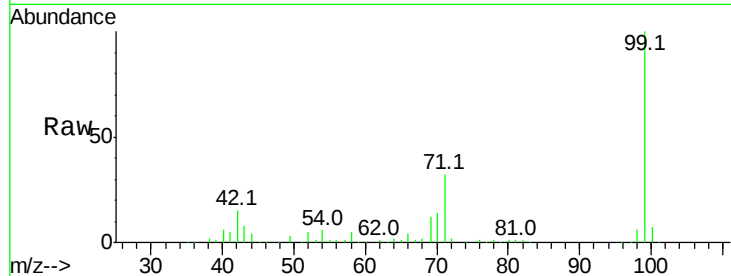
Tot Ion: 99 Resp: 238279

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

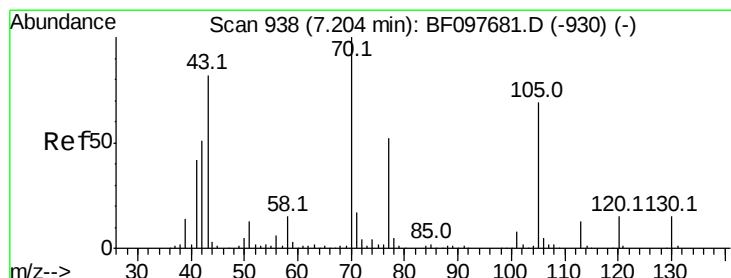
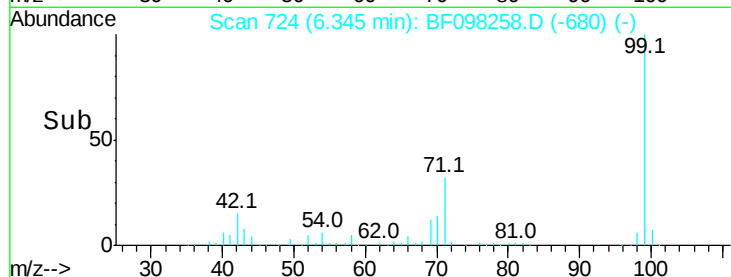
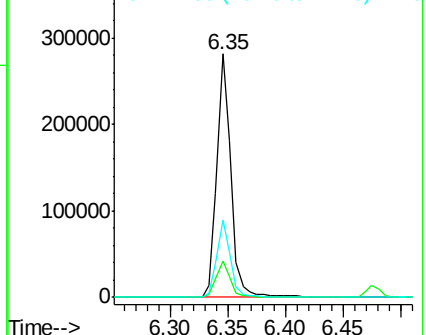
71 31.5 24.5 36.7



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: 2.741 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.09 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Tgt Ion: 70 Resp: 18717

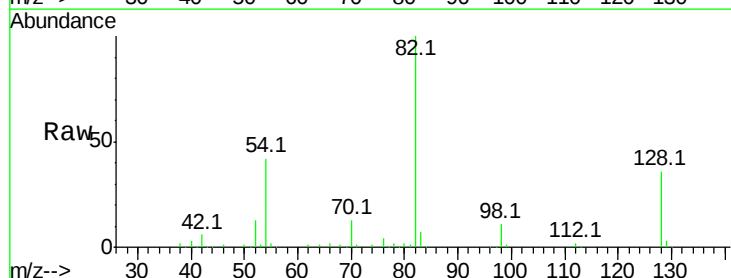
Ion Ratio Lower Upper

70 100

42 41.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

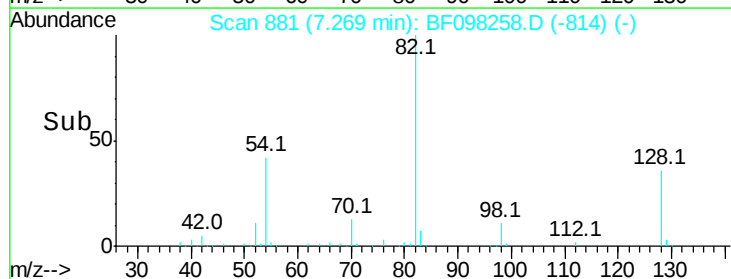
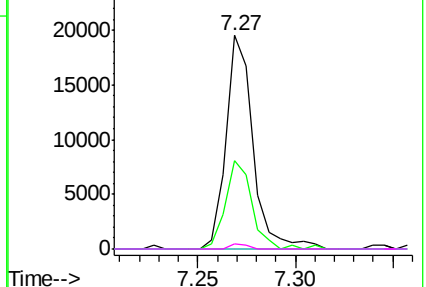


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.99 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 414368

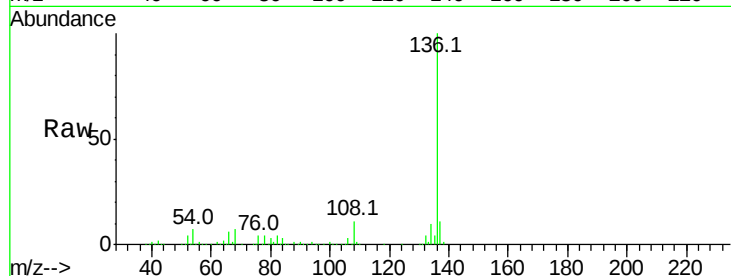
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.2 4.9 7.3

68 7.2 4.1 6.1#

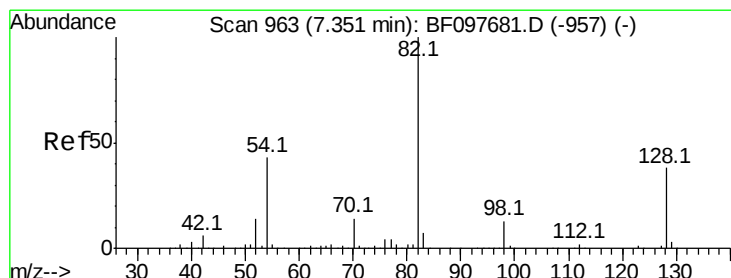
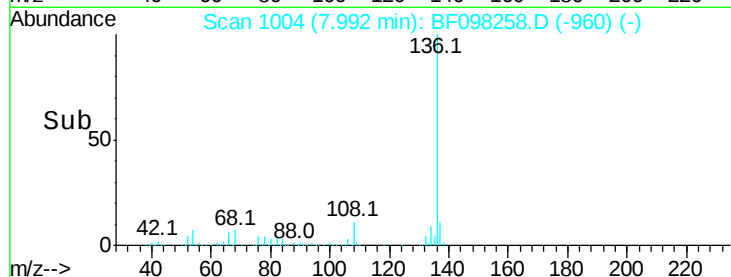
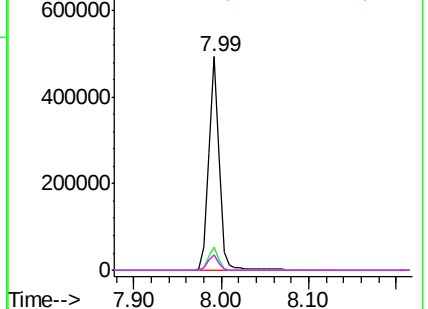


Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.258 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.05 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

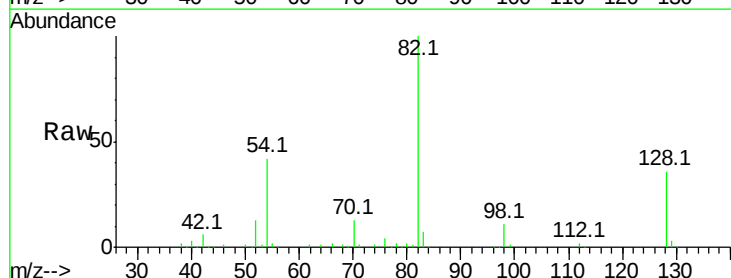
Tgt Ion: 82 Resp: 139268

Ion Ratio Lower Upper

82 100

128 36.0 34.0 51.0

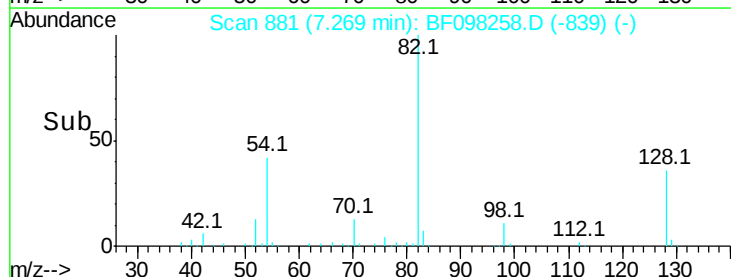
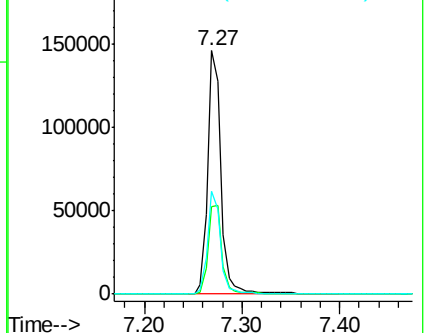
54 42.2 42.2 63.2

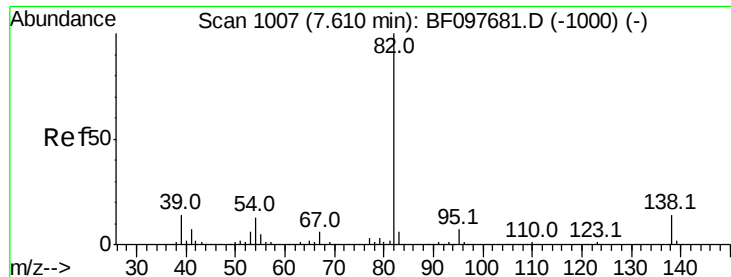


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 8.657 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.31 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

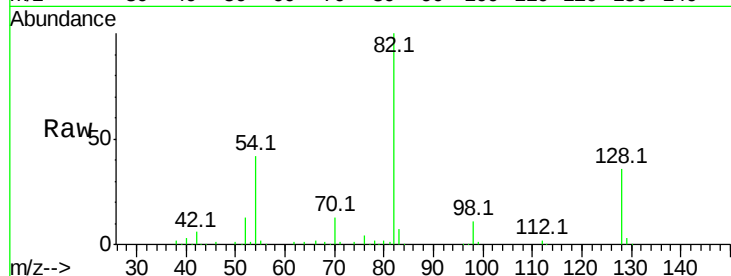
Tot Ion: 82 Resp: 137304

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

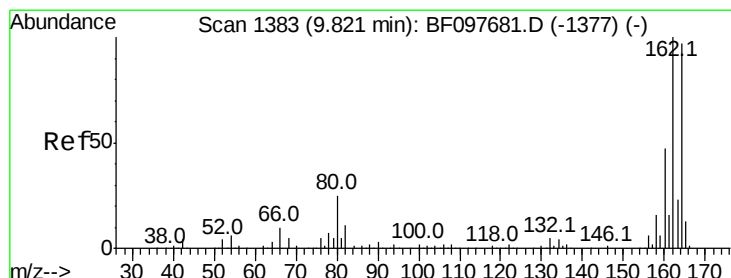
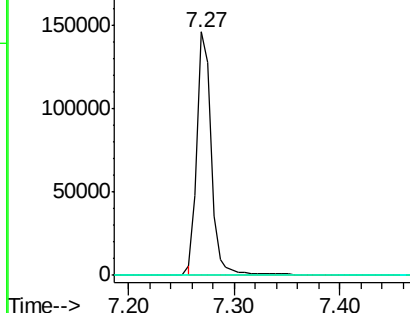
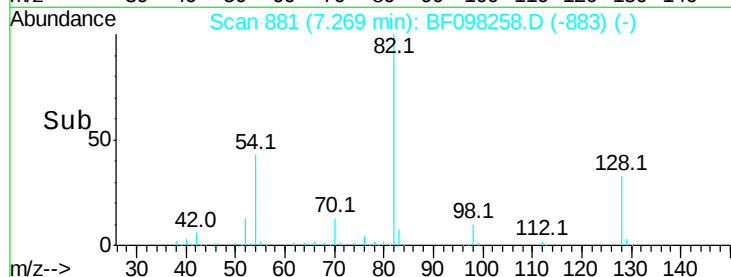
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

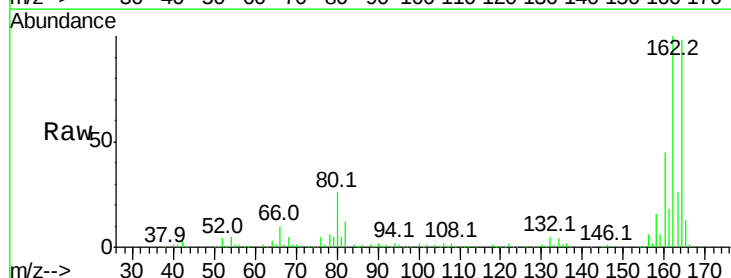
Tgt Ion:164 Resp: 161288

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

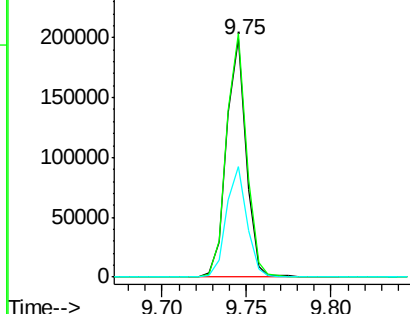
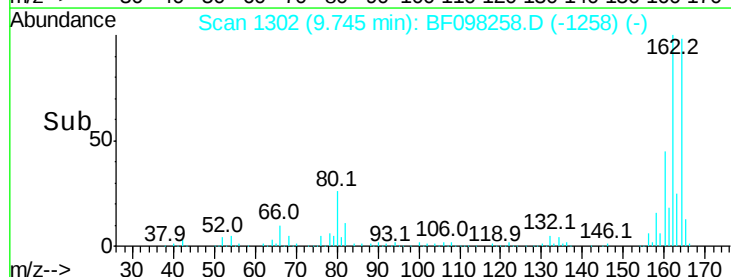
160 46.5 36.2 54.2

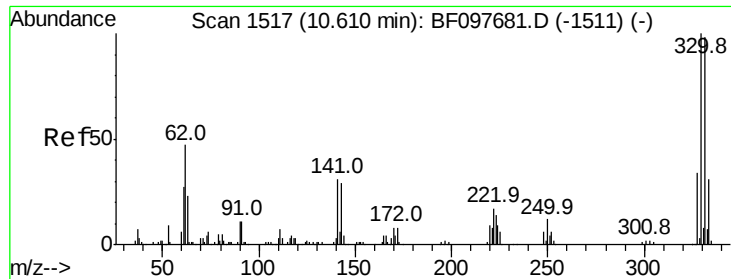


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

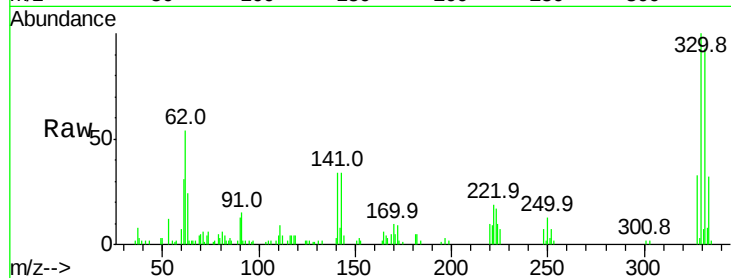




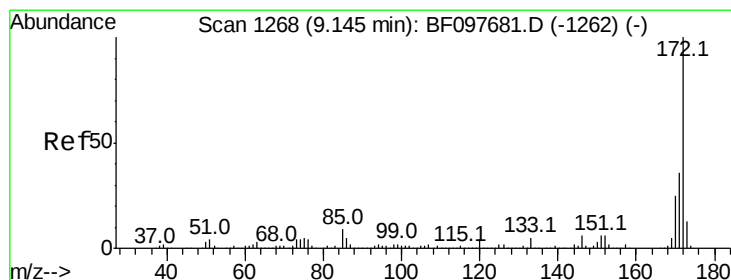
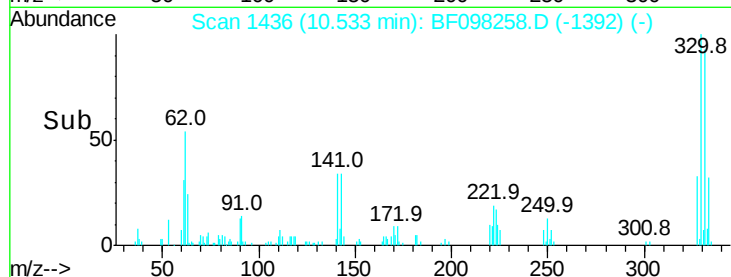
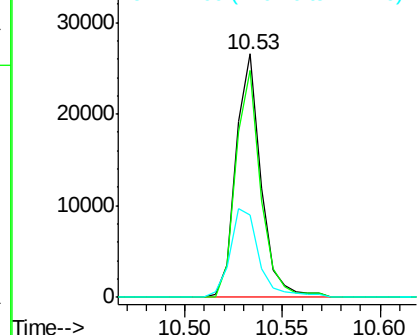
#41
 2,4,6-Tribromophenol
 Concen: 17.023 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.04 min
 Lab File: BF098258.D
 Acq: 2 Sep 2017 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 23823
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.6 115.0
 141 41.9 31.4 47.2

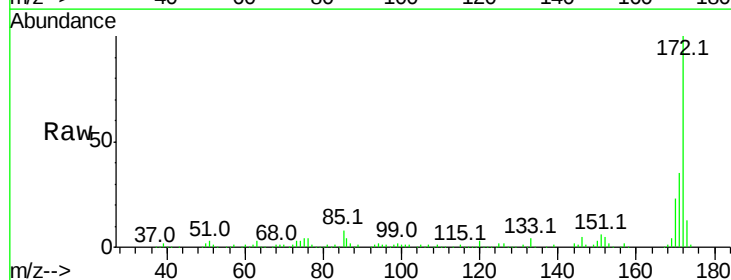


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

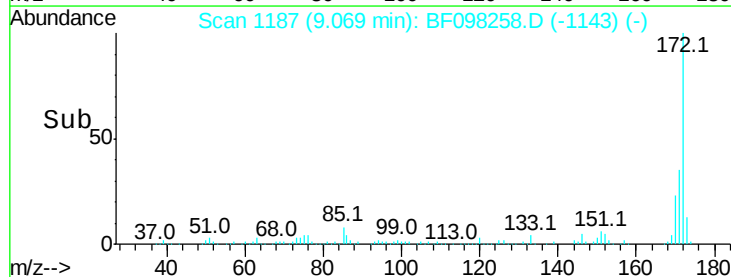
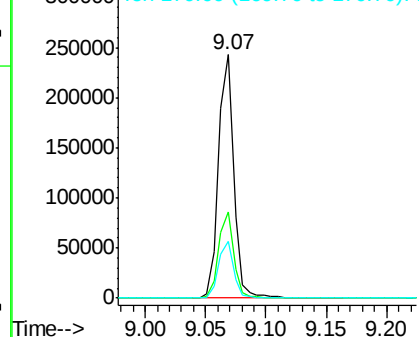


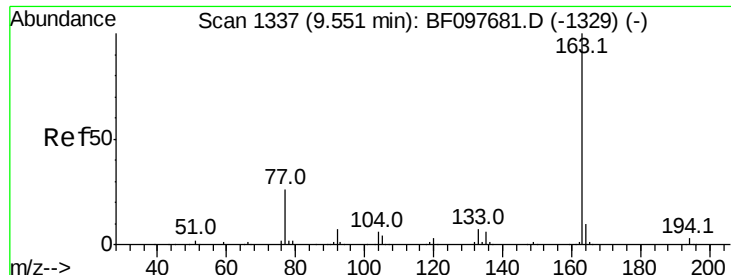
#44
 2-Fluorobiphenyl
 Concen: 19.185 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.04 min
 Lab File: BF098258.D
 Acq: 2 Sep 2017 21:00

Tgt Ion:172 Resp: 210614
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.2 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: 2.652 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.05 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

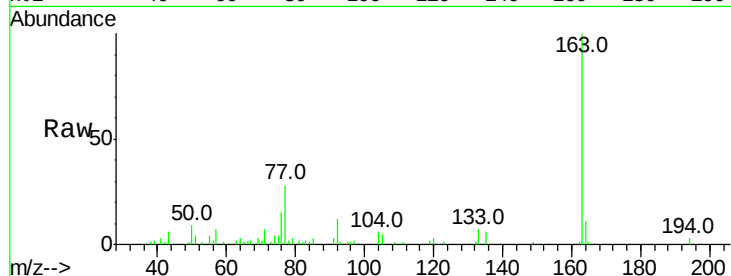
Tot Ion:163 Resp: 31261

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

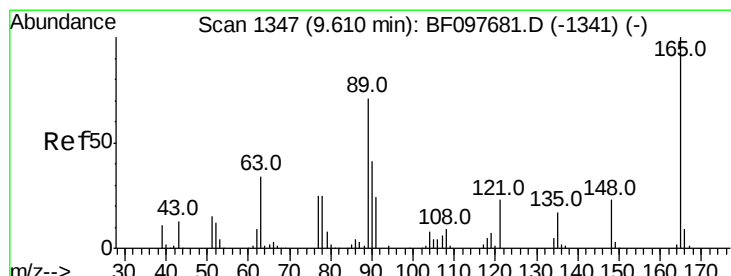
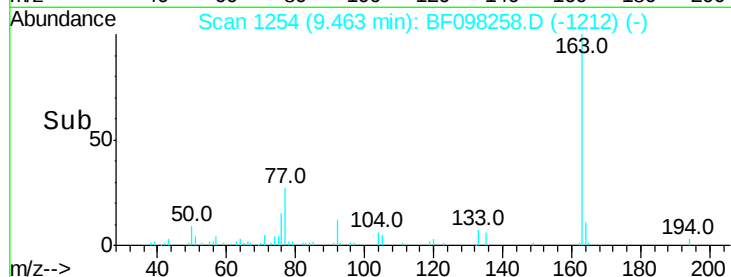
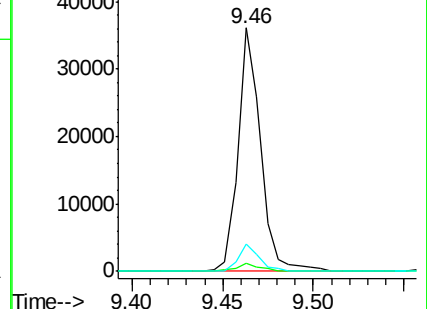
164 11.2 8.4 12.6



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: 8.946 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.17 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

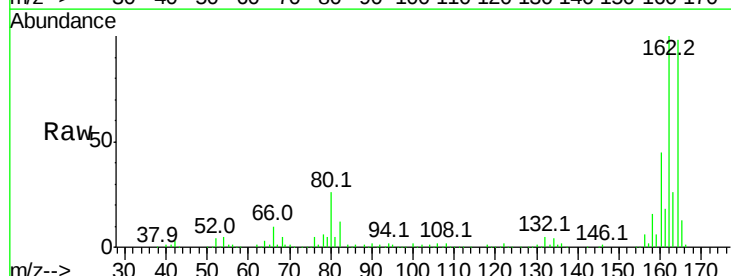
Tgt Ion:165 Resp: 21053

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

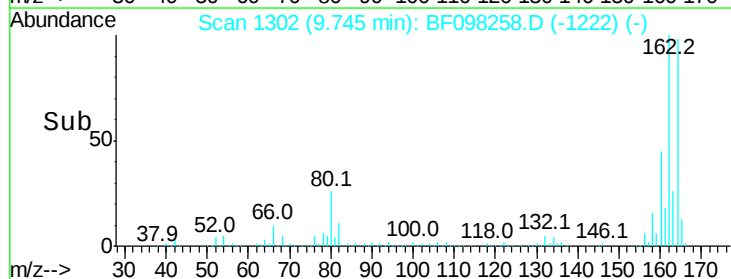
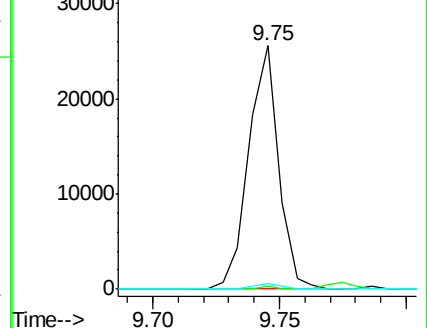
89 2.5 37.1 55.7#

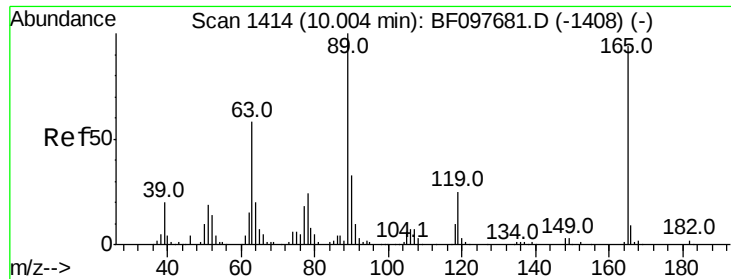


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

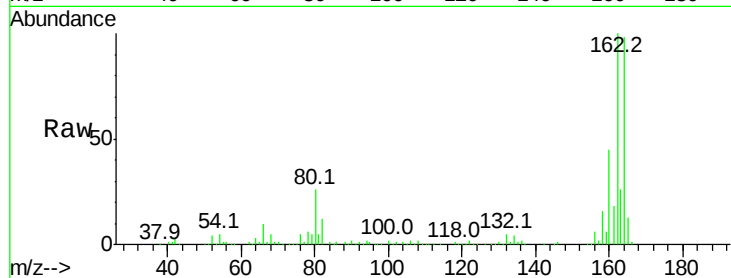




#56
 2,4-Dinitrotoluene
 Concen: 7.129 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.23 min
 Lab File: BF098258.D
 Acq: 2 Sep 2017 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	2.5	46.4	69.6#
182	0.0	1.8	2.6#

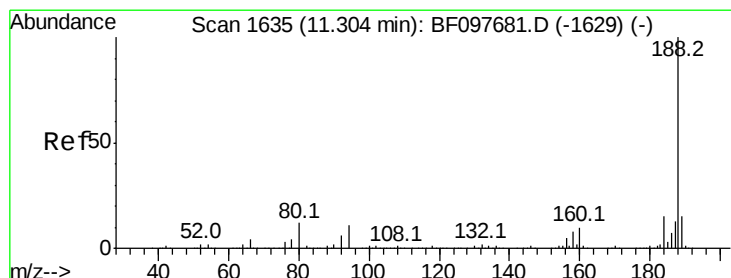
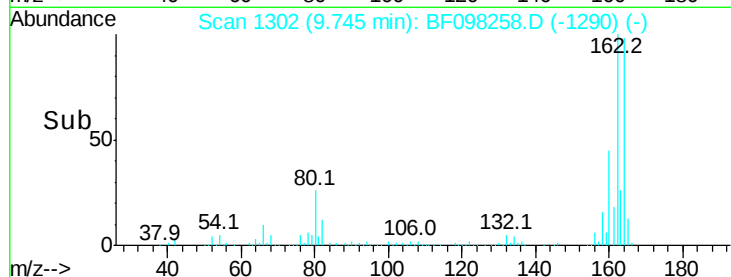
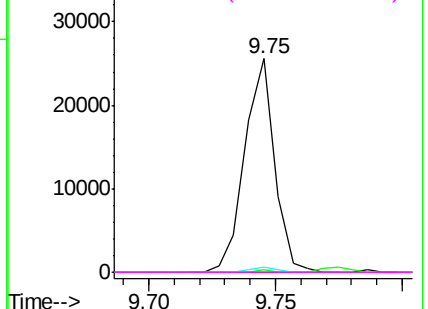


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

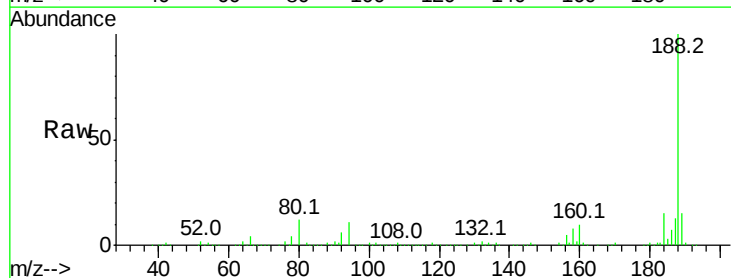
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.04 min
 Lab File: BF098258.D
 Acq: 2 Sep 2017 21:00

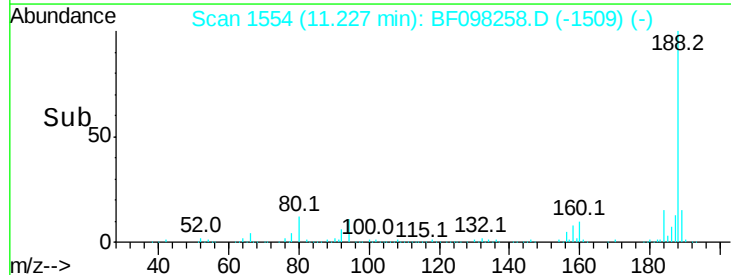
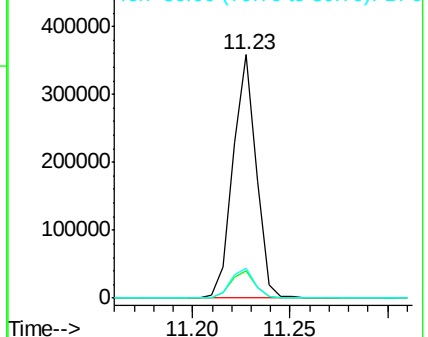
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.4	10.2	15.2

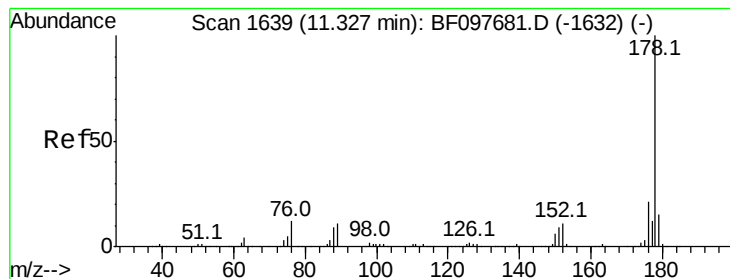


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.947 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

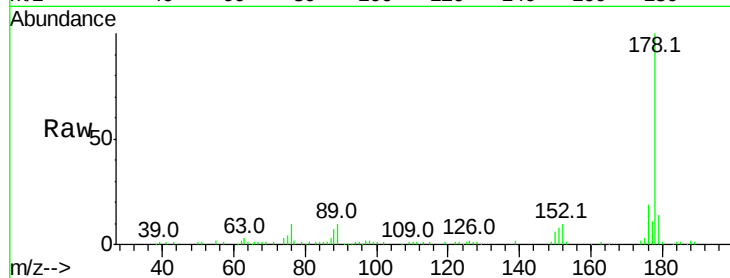
Tot Ion:178 Resp: 62019

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

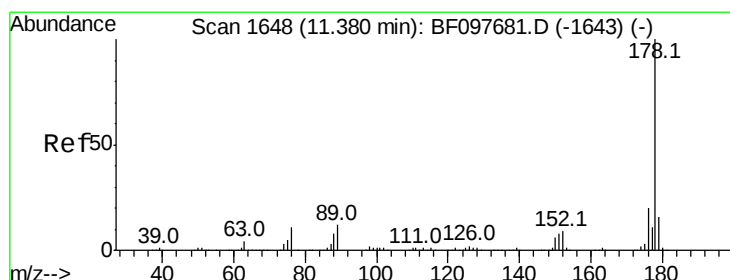
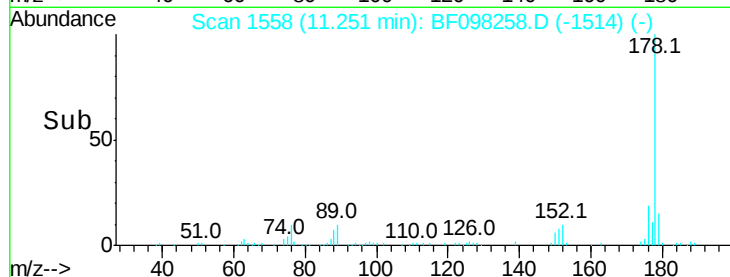
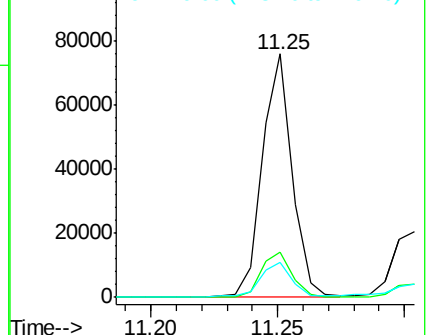
179 14.4 12.6 19.0



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



#71

Anthracene

Concen: 3.891 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.09 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

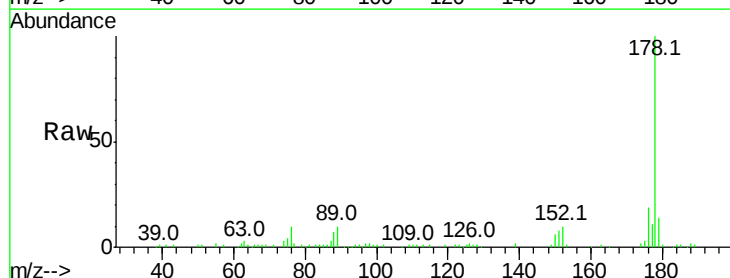
Tgt Ion:178 Resp: 62019

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

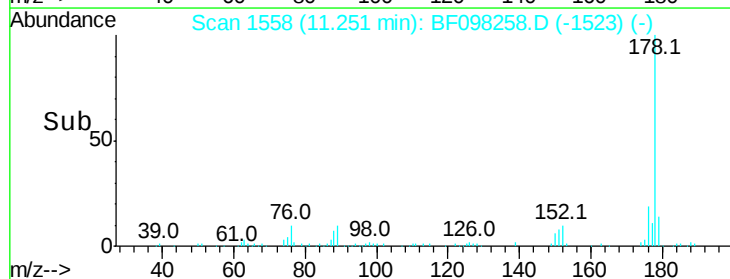
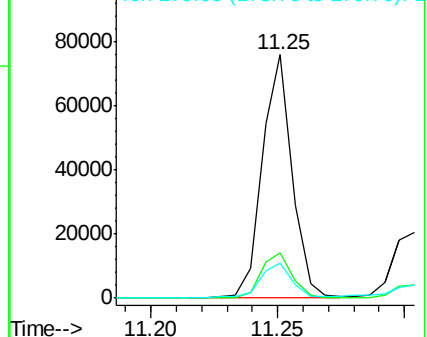
179 14.4 12.7 19.1

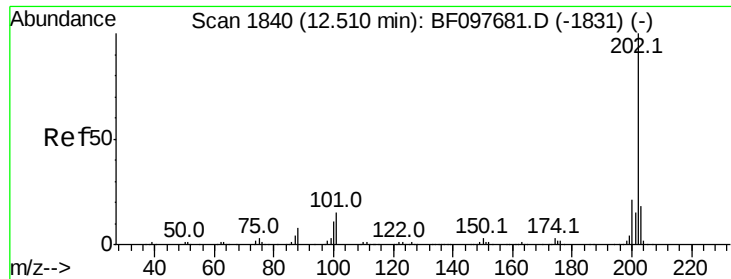


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.872 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

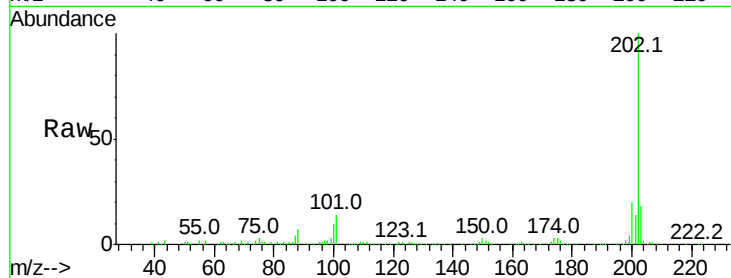
Tot Ion:202 Resp: 129113

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

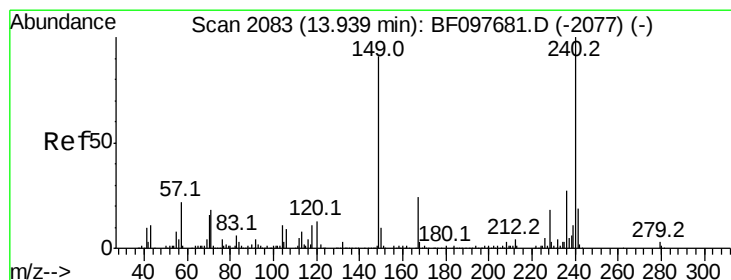
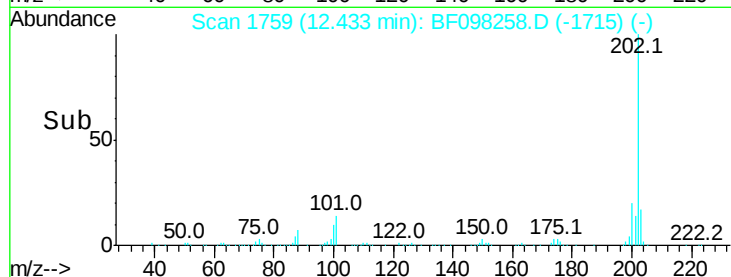
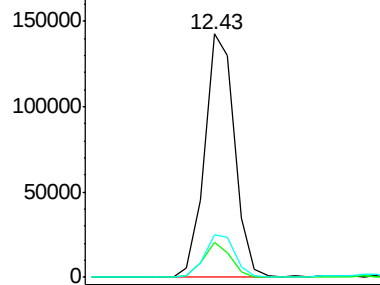
203 17.7 0.0 38.1



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: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

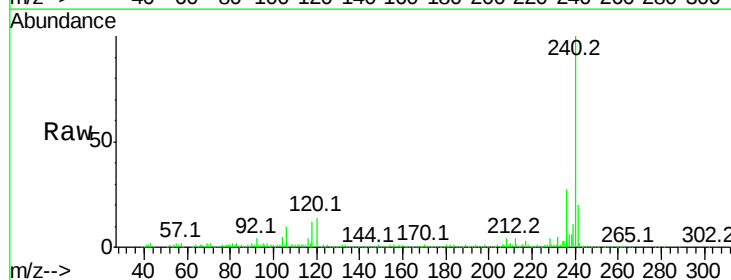
Tgt Ion:240 Resp: 273801

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

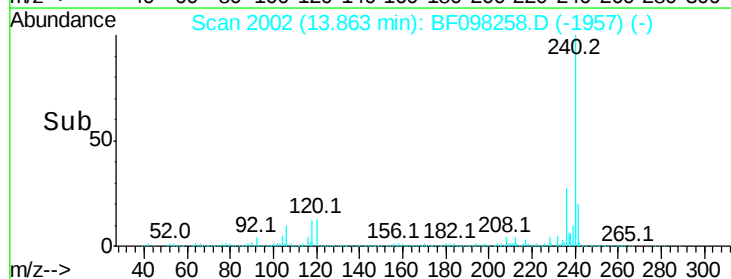
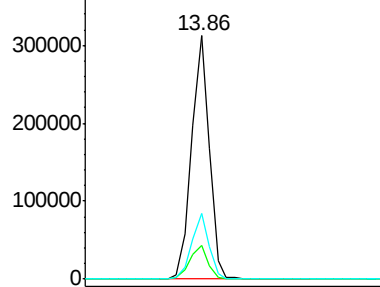
236 27.0 20.5 30.7

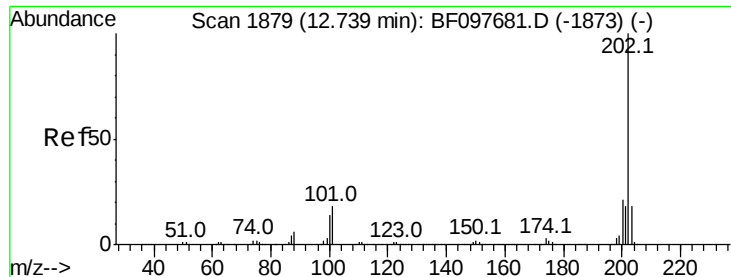


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

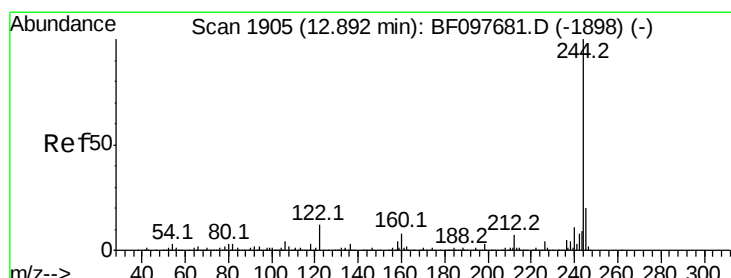
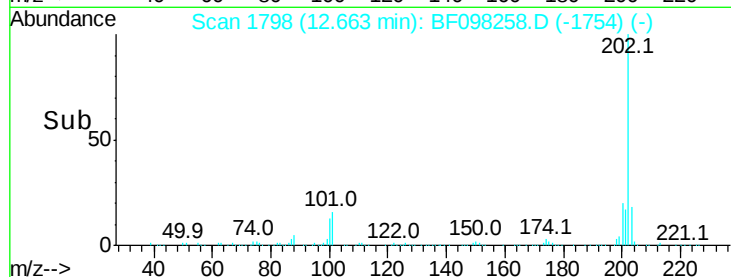
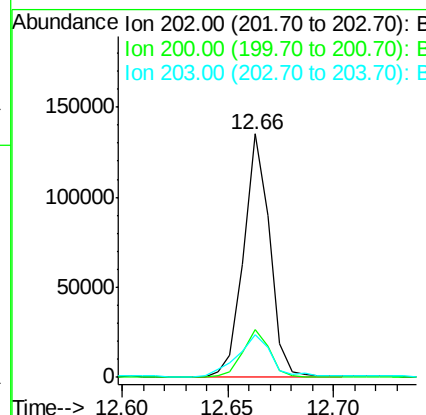
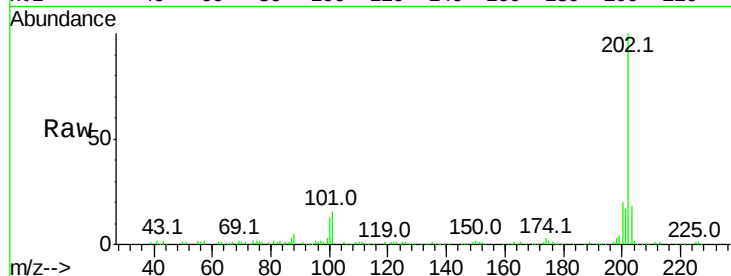




#77
Pvrene
Concen: 5.196 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

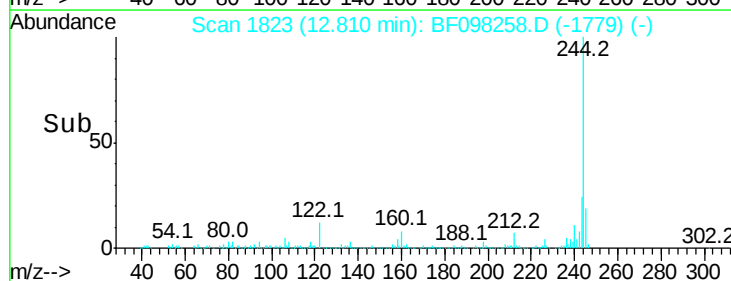
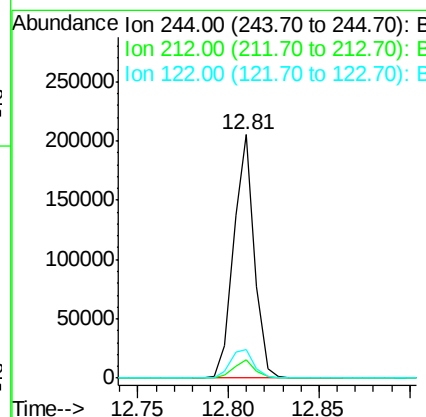
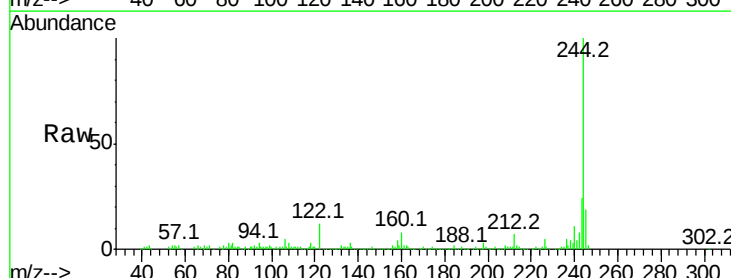
Instrument :
BNA_F
ClientSampleId :

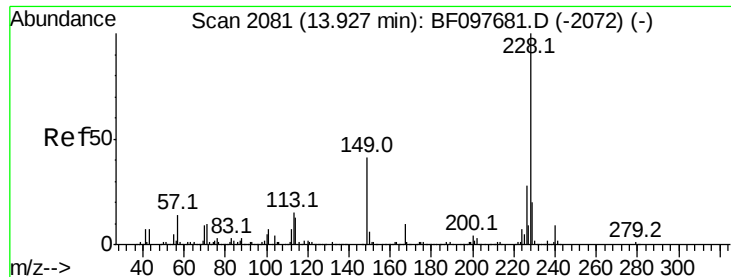
Tot Ion:202 Resp: 116352
Ion Ratio Lower Upper
202 100
200 19.6 17.6 26.4
203 17.7 14.4 21.6



#78
Terphenyl-d14
Concen: 12.372 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:244 Resp: 162441
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 12.0 10.3 15.5

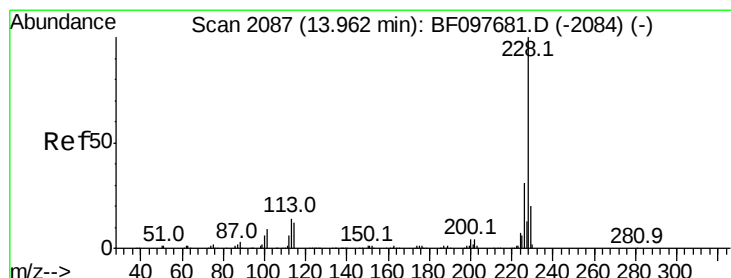
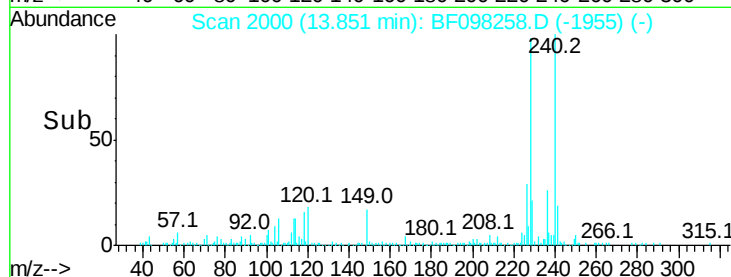
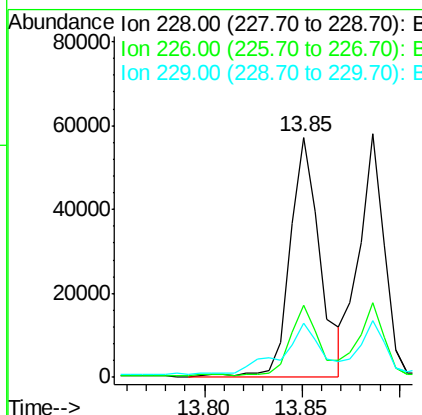
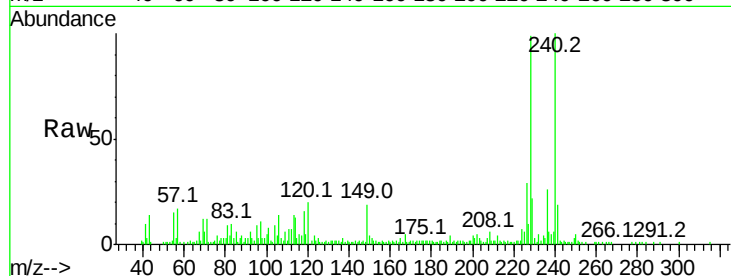




#80
Benzo(a)anthracene
Concen: 3.732 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

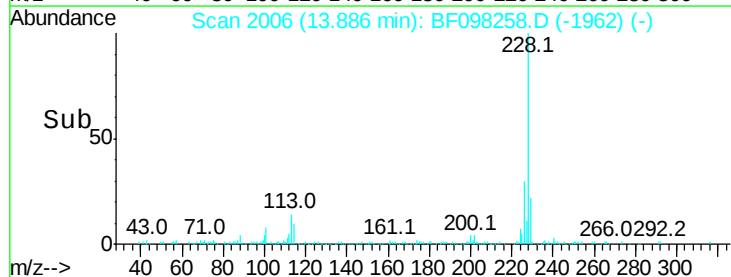
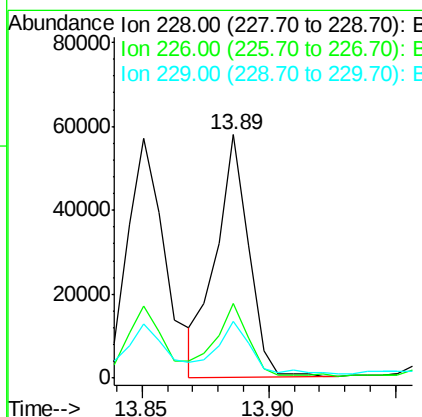
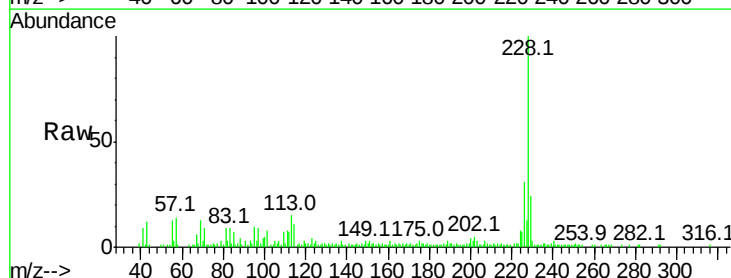
Instrument :
BNA_F
ClientSampleId :

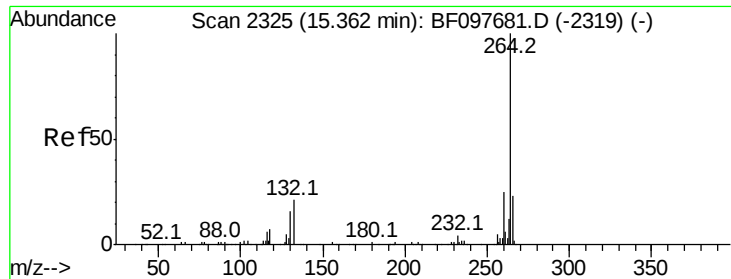
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	22.4	16.3	24.5



#82
Chrysene
Concen: 3.197 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.5	15.8	23.6





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.03 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

Instrument :

BNA_F

ClientSampleId :

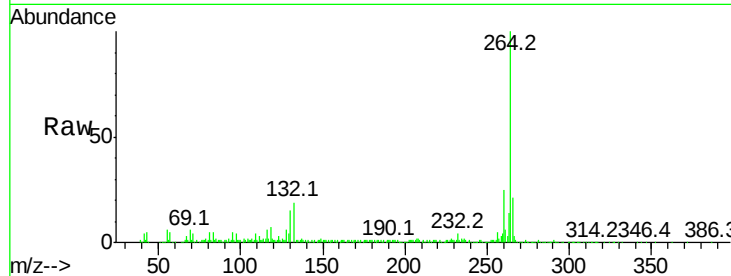
Tot Ion:264 Resp: 223327

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	21.5	17.2	25.8

264 100

260 25.2 19.5 29.3

265 21.5 17.2 25.8

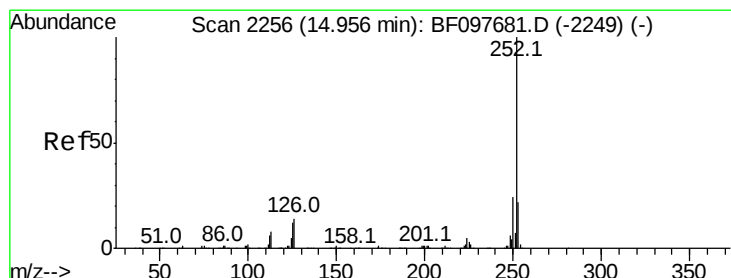
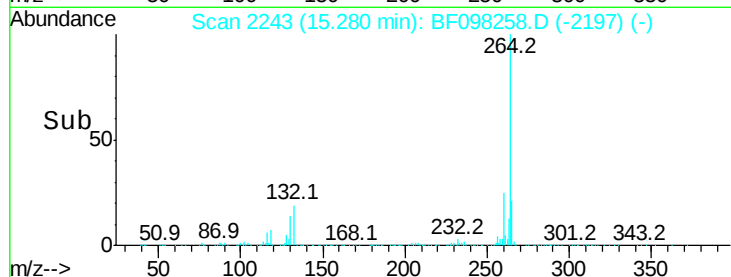
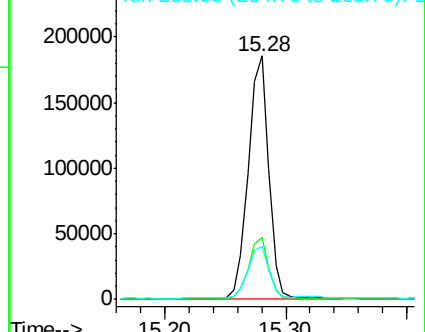


Abundance

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: 6.226 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF098258.D

Acq: 2 Sep 2017 21:00

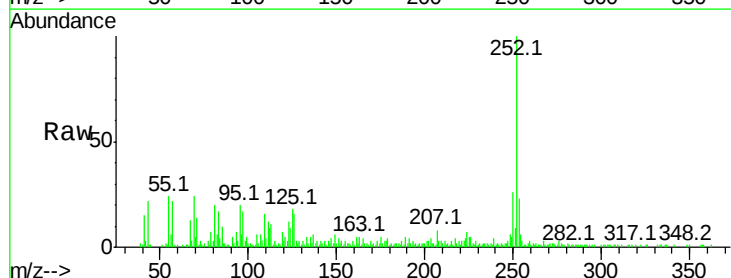
Tgt Ion:252 Resp: 87644

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.6	9.8	14.8#

252 100

253 23.3 18.1 27.1

125 17.6 9.8 14.8#

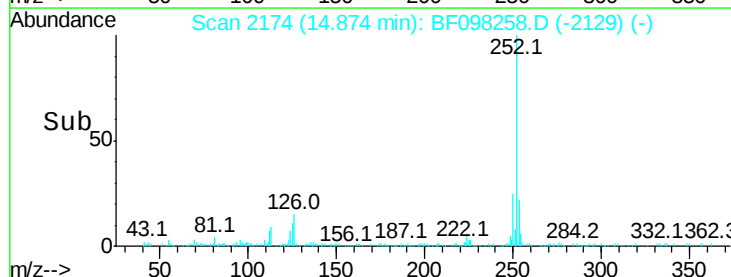
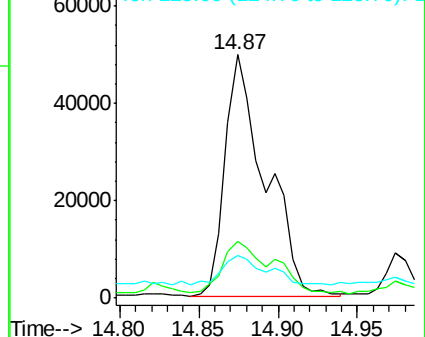


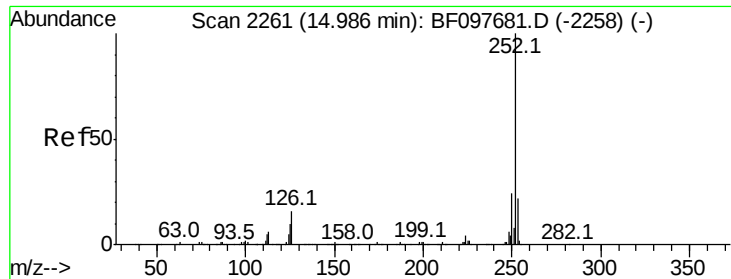
Abundance

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

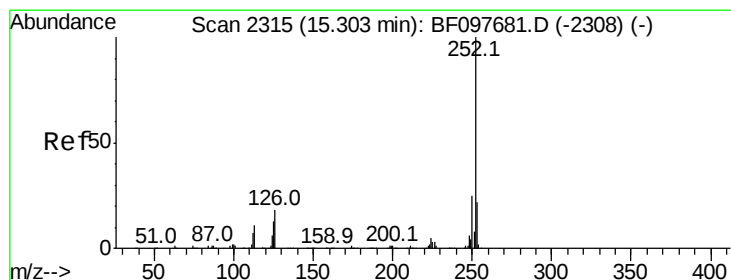
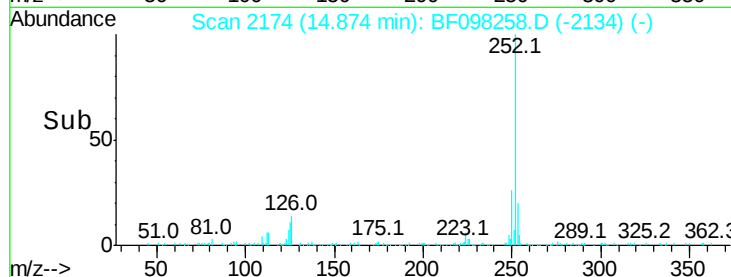
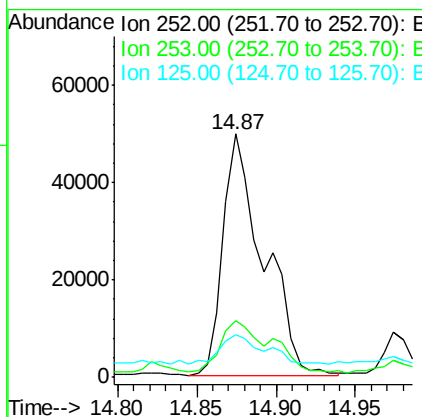
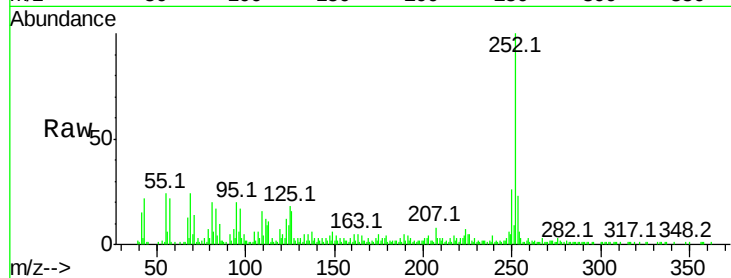




#88
Benzo(k)fluoranthene
Concen: 6.627 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.06 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 87644
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 17.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.540 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098258.D
Acq: 2 Sep 2017 21:00

Tgt Ion:252 Resp: 44113
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 19.6 11.0 16.4#

