

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098173.D
 Acq On : 30 Aug 2017 23:22
 Operator : SJ/JU
 Sample : I5023-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:48:58 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	6.72	152	115698	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	441293	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	170138	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	278862	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	243742	20.00	ng	-0.02
86) Perylene-d12	15.29	264	186188	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	183638	24.14	ng	-0.03
7) Phenol-d6	6.36	99	245483	23.75	ng	-0.03
23) Nitrobenzene-d5	7.29	82	137815	16.97	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	27812	18.84	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	226607	19.57	ng	-0.03
78) Terphenyl-d14	12.82	244	153203	13.11	ng	-0.03

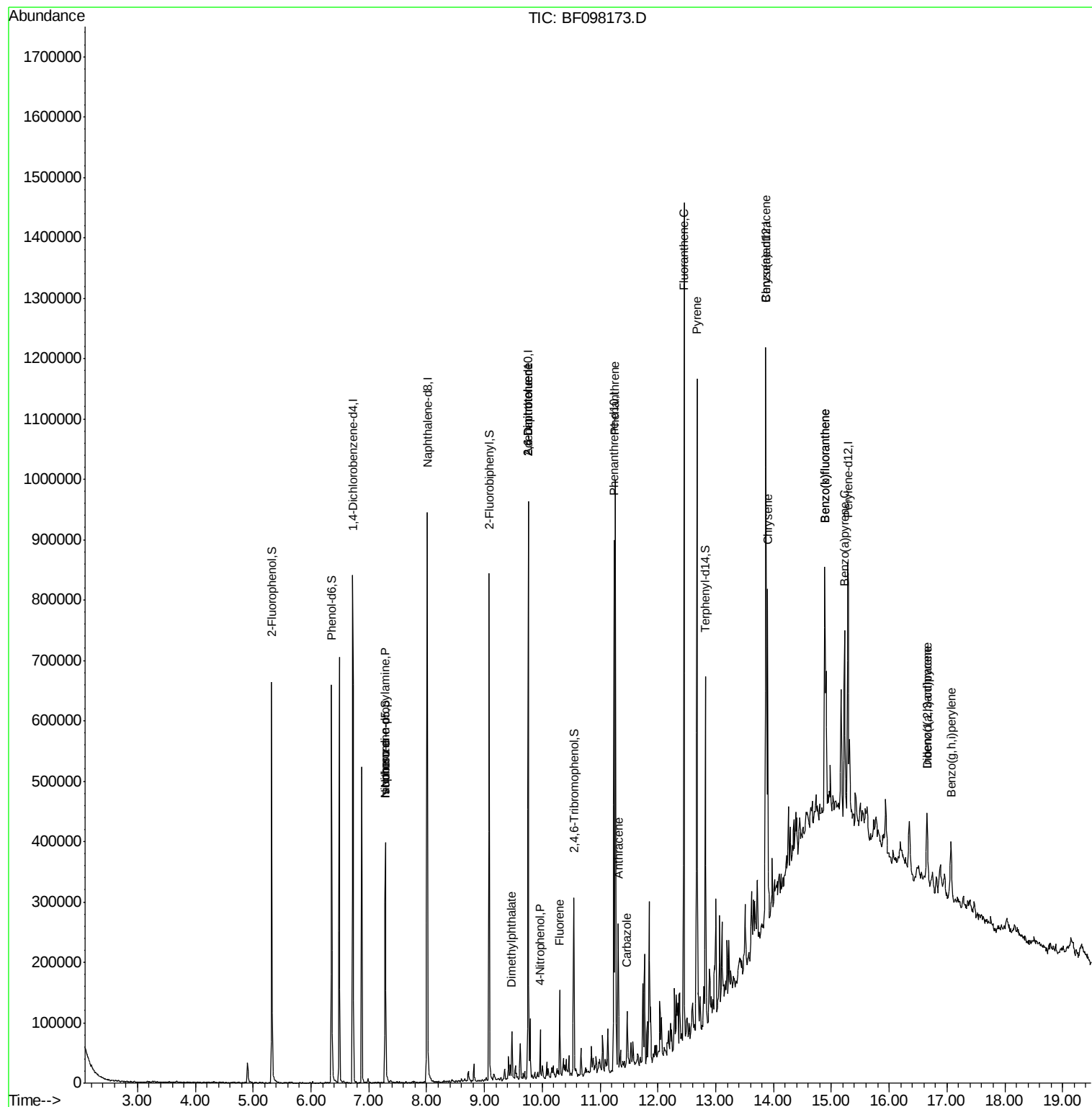
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	17676	2.498	ng	# 73
25) Isophorone	7.29	82	133726	7.917	ng	# 67
49) Dimethylphthalate	9.47	163	29664	2.385	ng	# 99
50) 2,6-Dinitrotoluene	9.76	165	22400	9.023	ng	# 34
55) 4-Nitrophenol	9.96	139	8176	3.200	ng	# 25
56) 2,4-Dinitrotoluene	9.76	165	22400	7.190	ng	# 34
57) Fluorene	10.30	166	37934	3.224	ng	94
70) Phenanthrene	11.26	178	308608	20.768	ng	99
71) Anthracene	11.32	178	87366	5.797	ng	96
72) Carbazole	11.47	167	32478	2.270	ng	97
74) Fluoranthene	12.45	202	505551	32.595	ng	99
77) Pylene	12.68	202	457869	22.968	ng	98
80) Benzo(a)anthracene	13.86	228	228798	15.662	ng	97
82) Chrysene	13.90	228	195605	13.460	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	72701	6.801	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	280211	23.876	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	280211	25.414	ng	98
89) Benzo(a)pyrene	15.23	252	144334	13.892	ng	99
90) Dibenzo(a,h)anthracene	16.66	278	19182	2.268	ng	# 78
91) Benzo(a,h,i)perylene	17.07	276	68527	7.765	ng	94

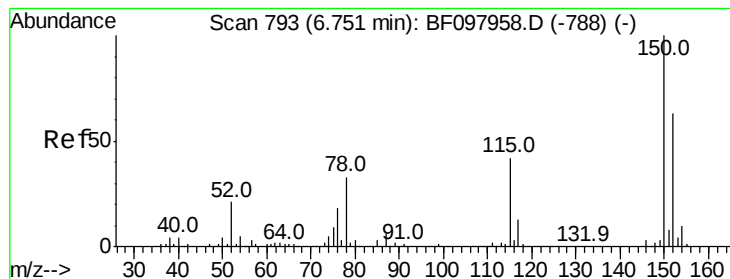
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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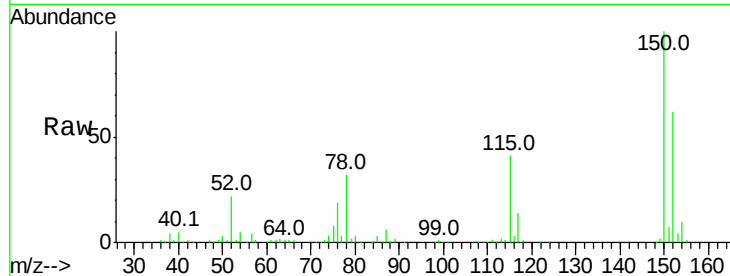


#1

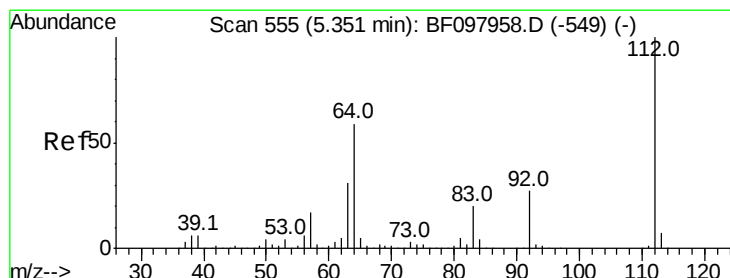
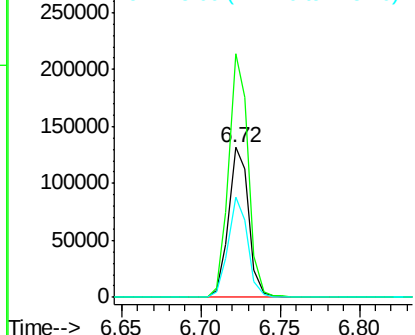
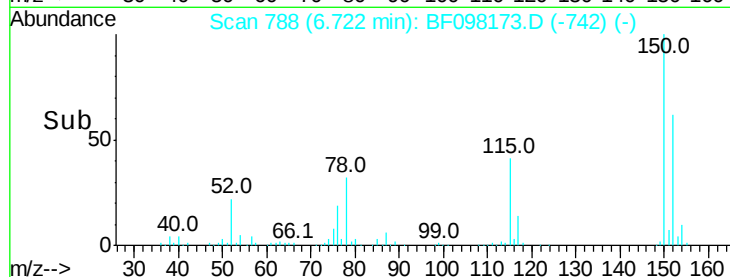
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 115698
 Ion Ratio Lower Upper
 152 100
 150 162.4 126.2 189.2
 115 67.1 52.2 78.2



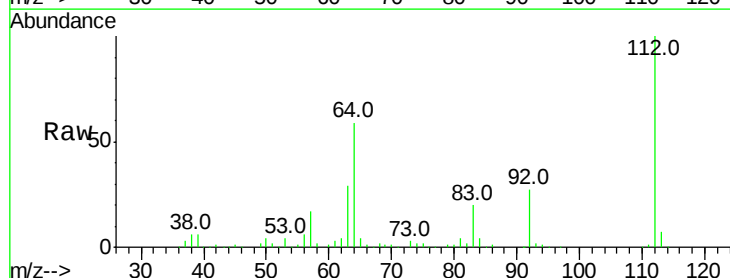
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



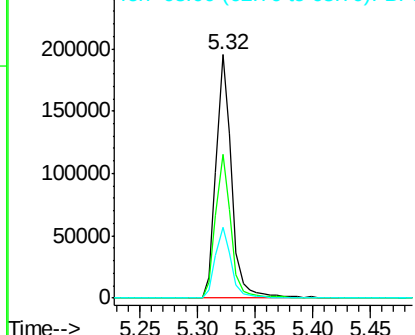
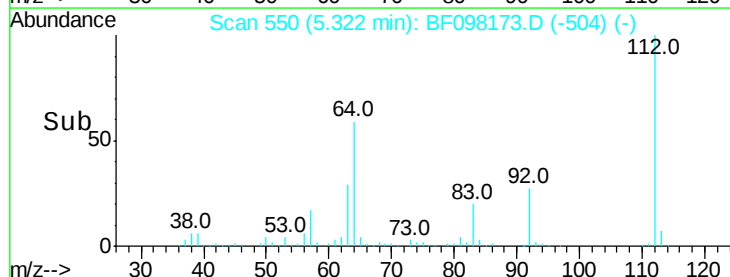
#5

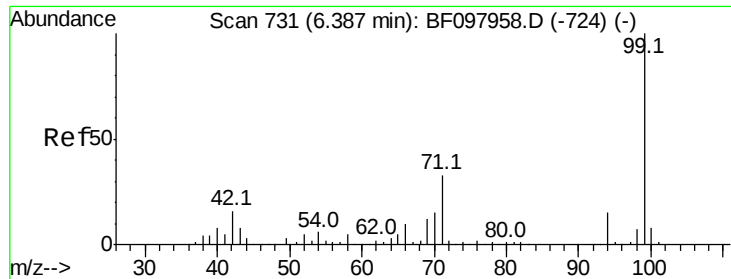
2-Fluorophenol
 Concen: 24.143 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Tgt Ion:112 Resp: 183638
 Ion Ratio Lower Upper
 112 100
 64 58.8 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: 23.753 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

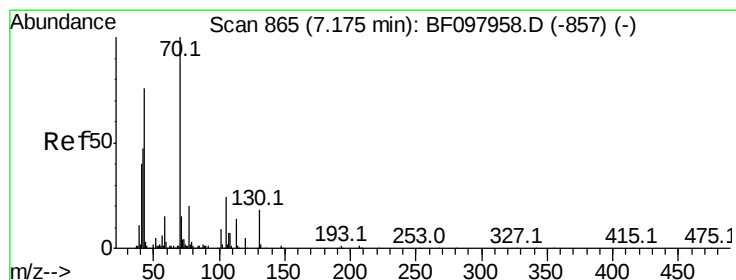
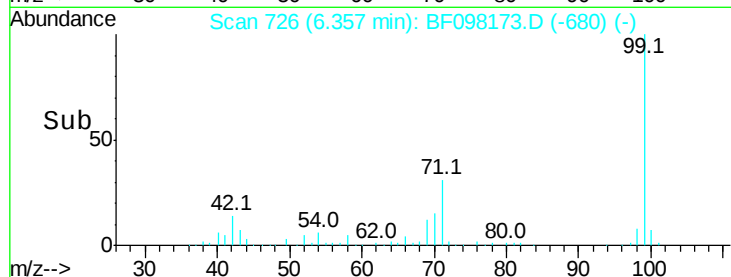
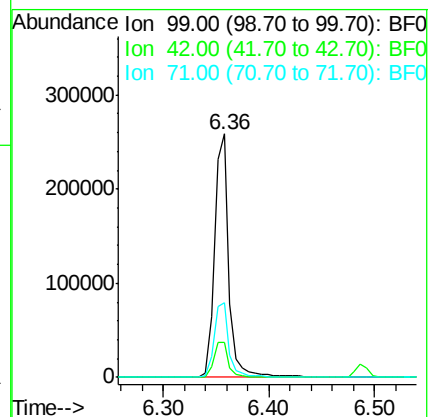
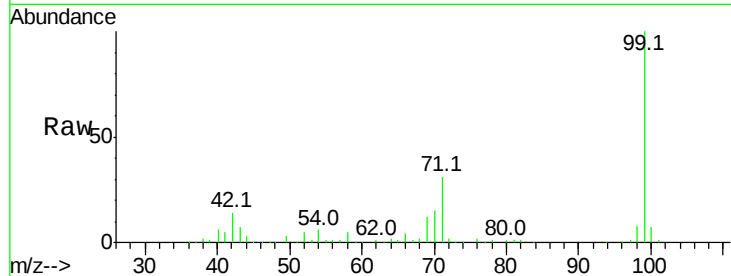
Tot Ion: 99 Resp: 245483

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

71 30.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.498 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Tgt Ion: 70 Resp: 17676

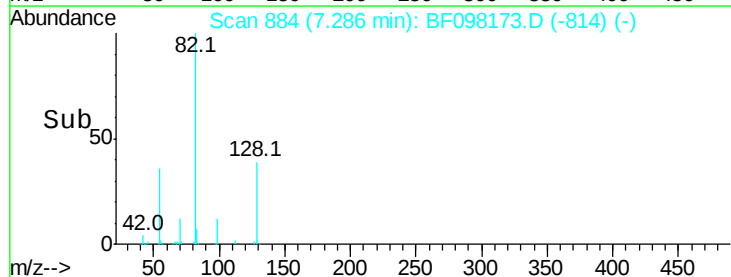
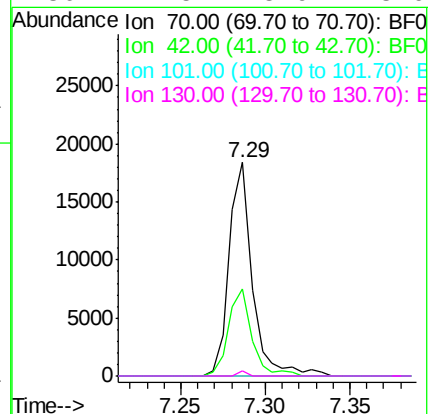
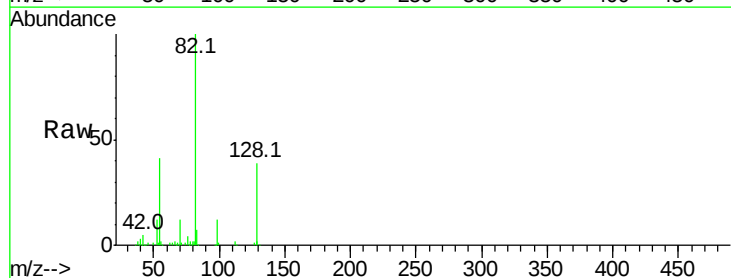
Ion Ratio Lower Upper

70 100

42 41.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

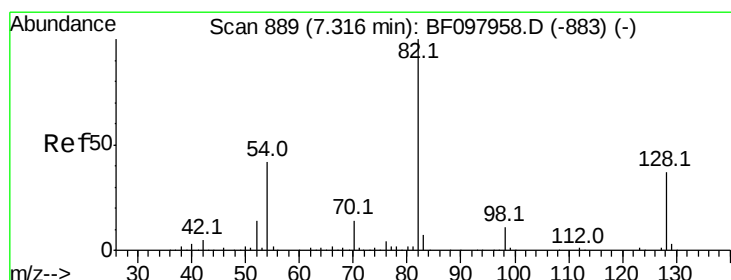
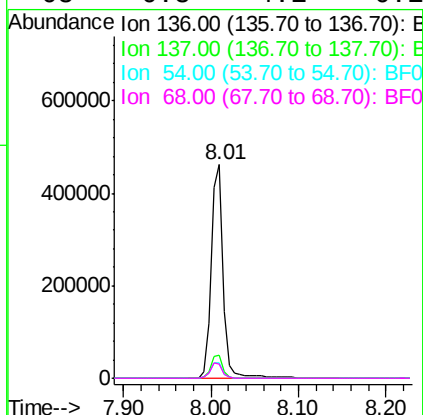
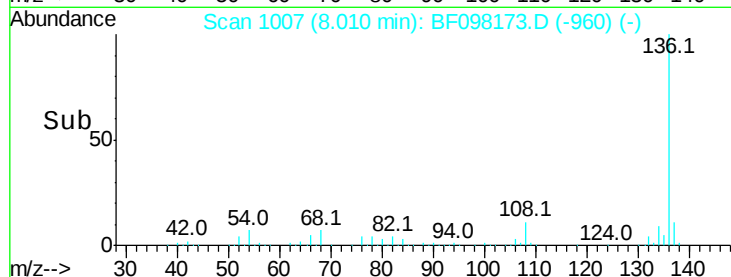
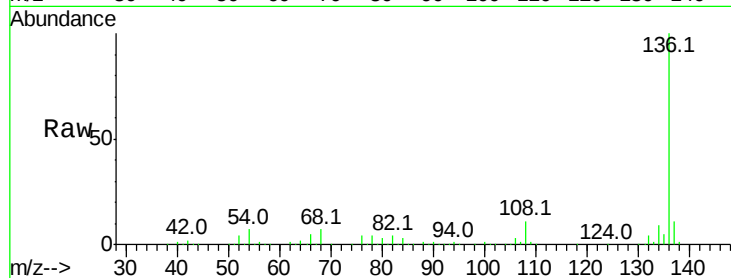




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

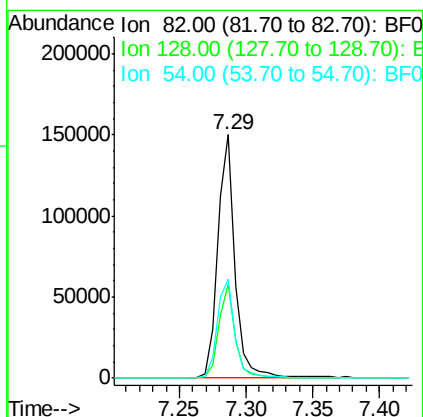
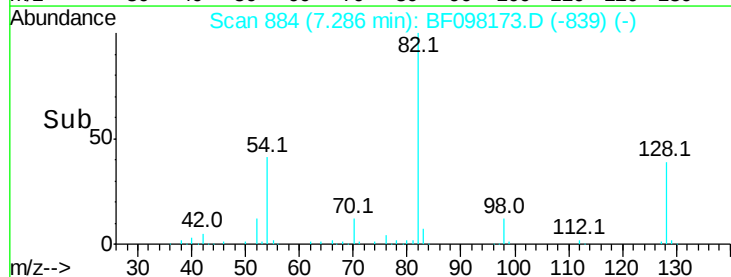
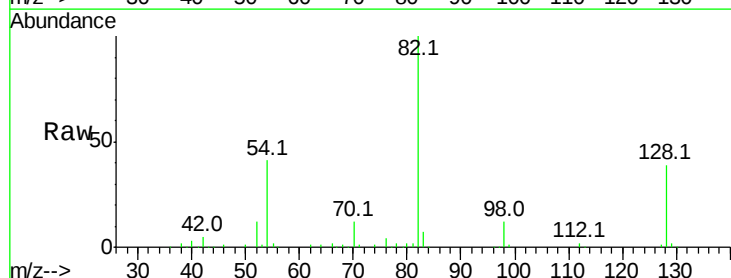
Instrument :
BNA_F
ClientSampleId :

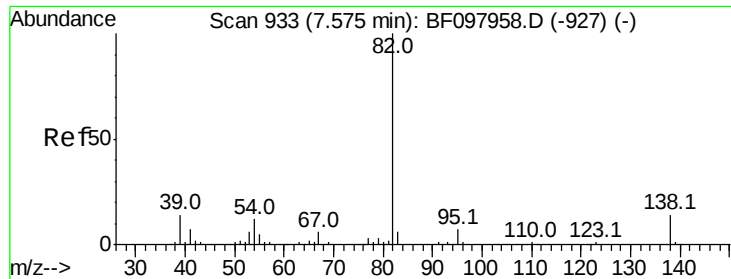
Tot Ion:136	Resp:	441293
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	7.0	4.9 7.3
68	6.8	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 16.965 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion: 82	Resp:	137815
Ion Ratio	Lower	Upper
82	100	
128	38.7	34.0 51.0
54	40.6	42.2 63.2#





#25

Isophorone

Concen: 7.917 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

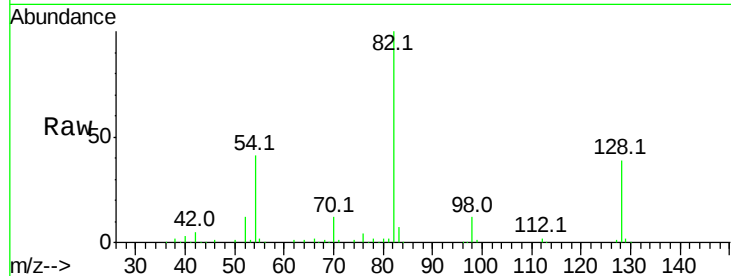
Tot Ion: 82 Resp: 133726

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

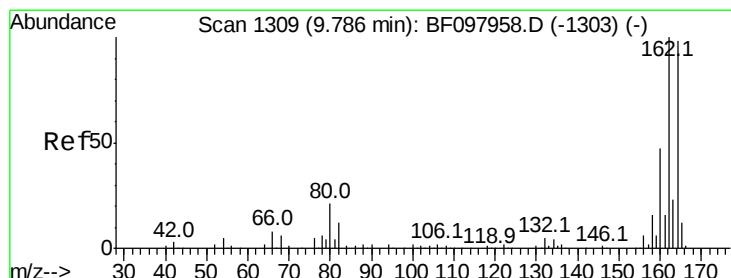
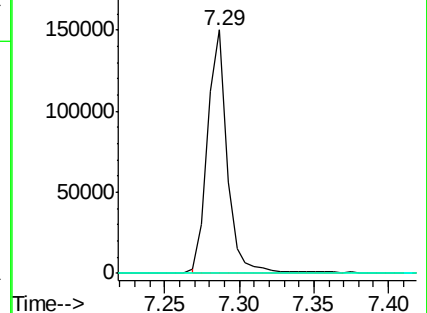
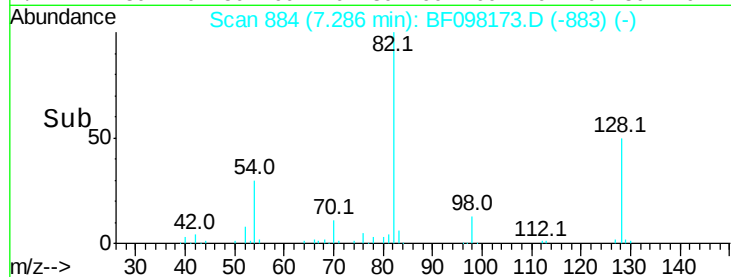
138 0.0 13.1 19.7#



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: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

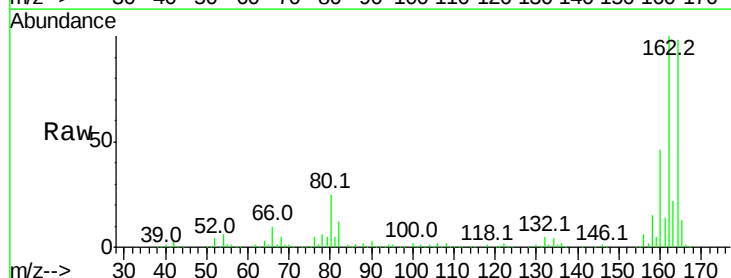
Tgt Ion:164 Resp: 170138

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

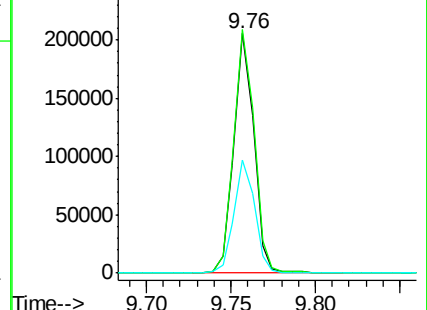
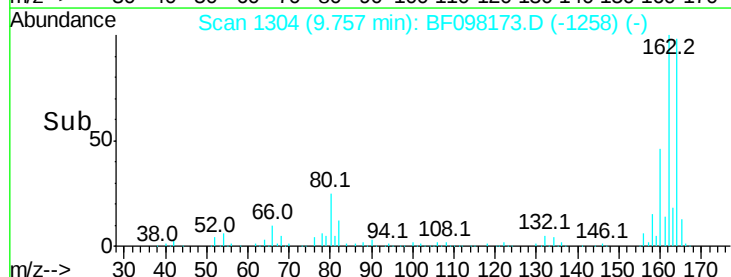
160 47.3 36.2 54.2



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

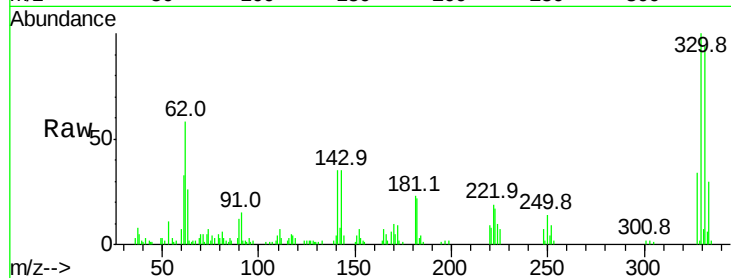




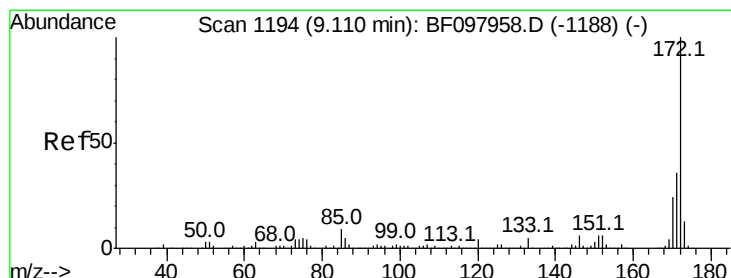
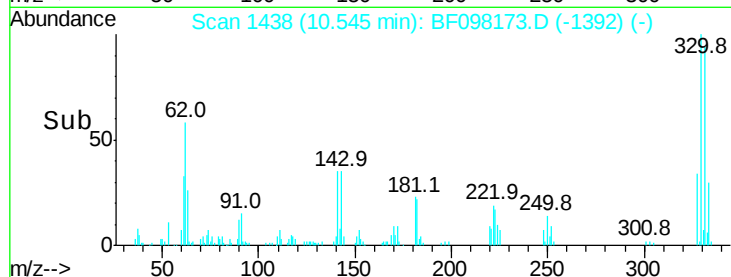
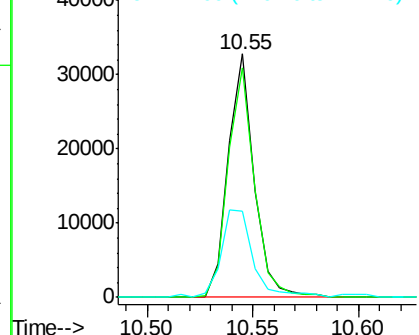
#41
 2,4,6-Tribromophenol
 Concen: 18.840 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 27812
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 44.9 31.4 47.2

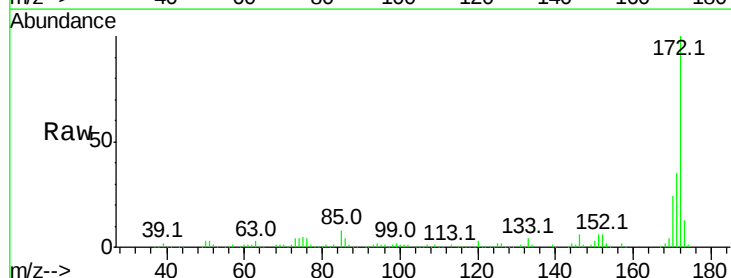


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

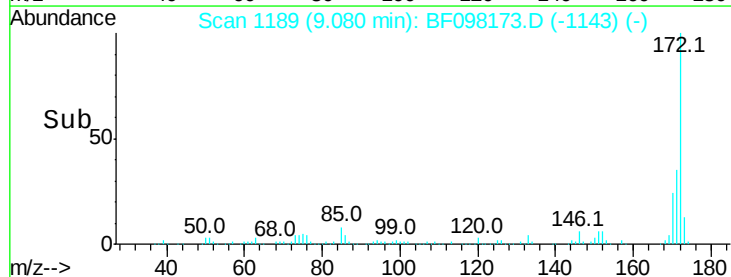
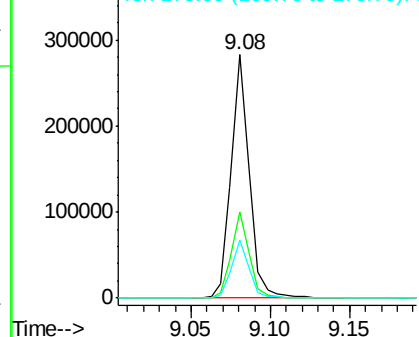


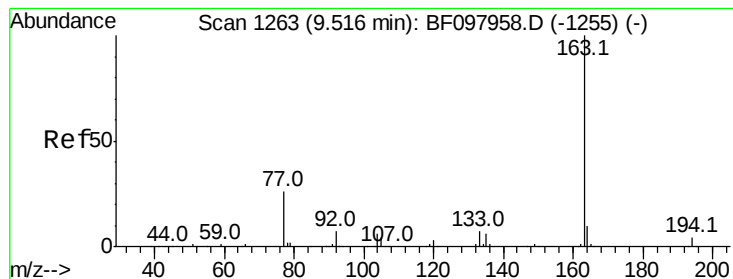
#44
 2-Fluorobiphenyl
 Concen: 19.568 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098173.D
 Acq: 30 Aug 2017 23:22

Tgt Ion:172 Resp: 226607
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.7 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: 2.385 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

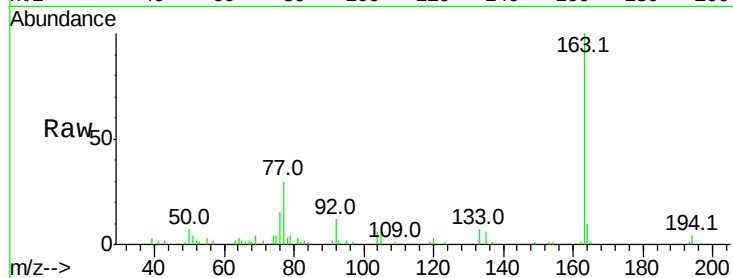
Tot Ion:163 Resp: 29664

Ion Ratio Lower Upper

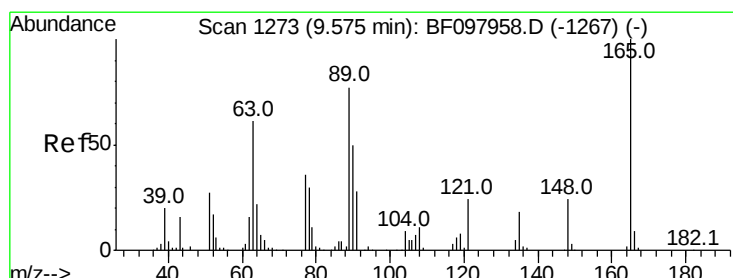
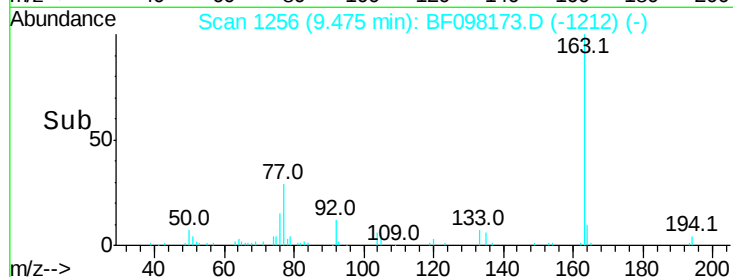
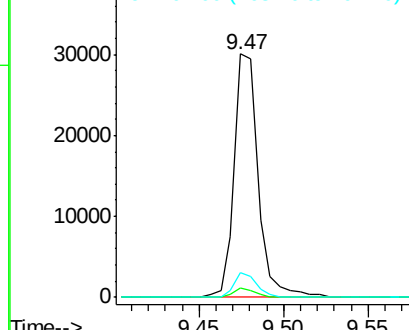
163 100

194 4.1 2.6 4.0#

164 10.1 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: 9.023 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

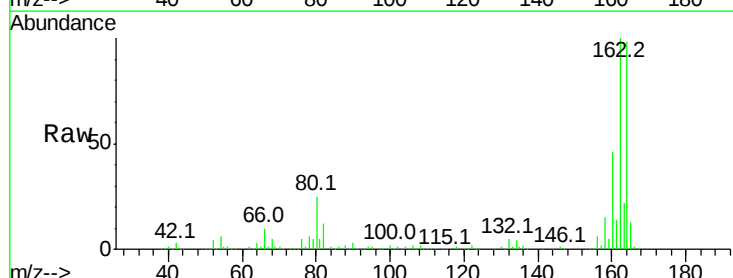
Tgt Ion:165 Resp: 22400

Ion Ratio Lower Upper

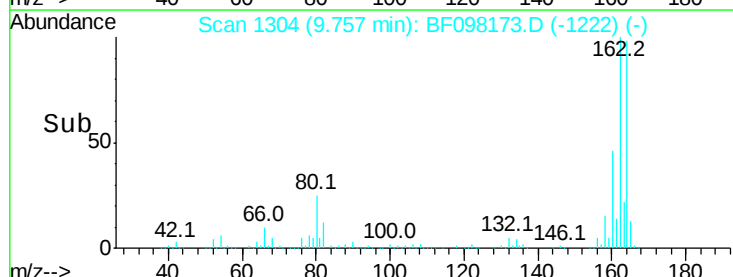
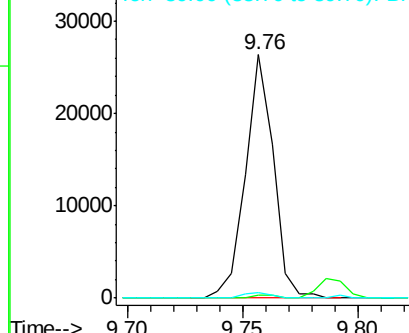
165 100

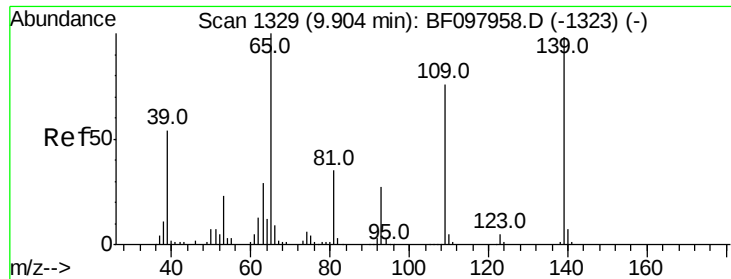
63 1.4 34.3 51.5#

89 2.3 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

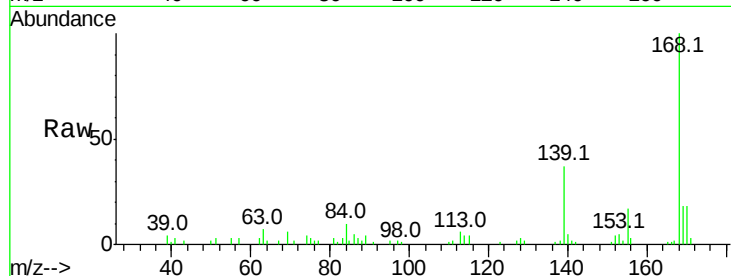




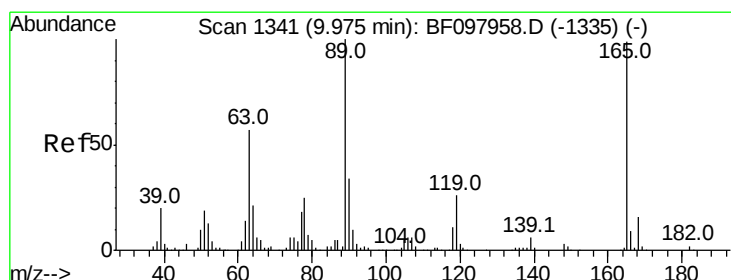
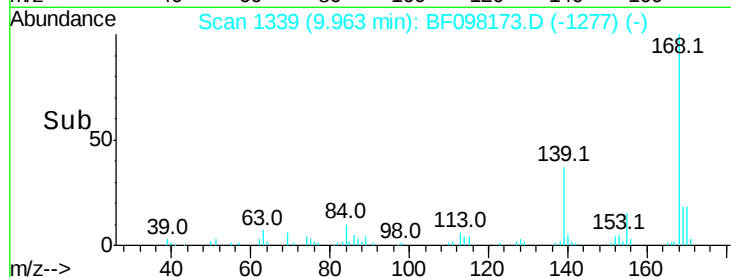
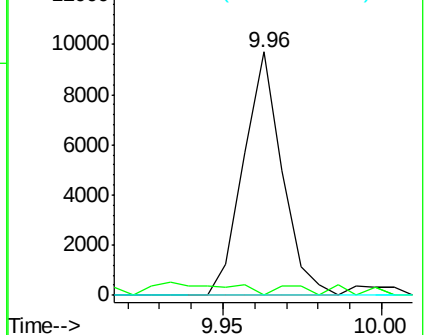
#55
4-Nitrophenol
Concen: 3.200 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.06 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#



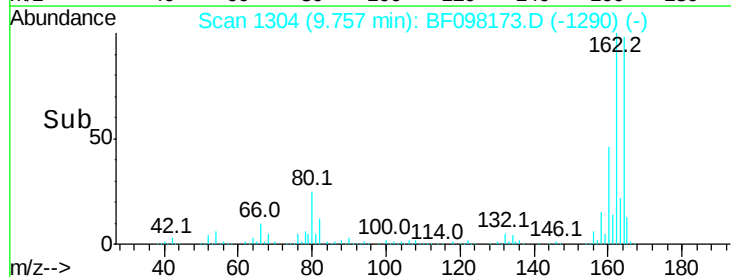
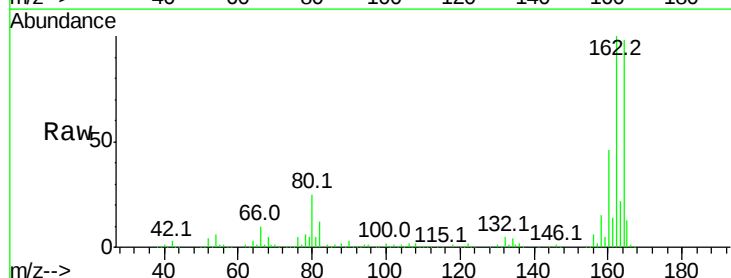
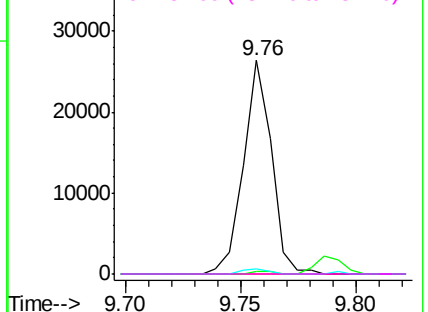
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

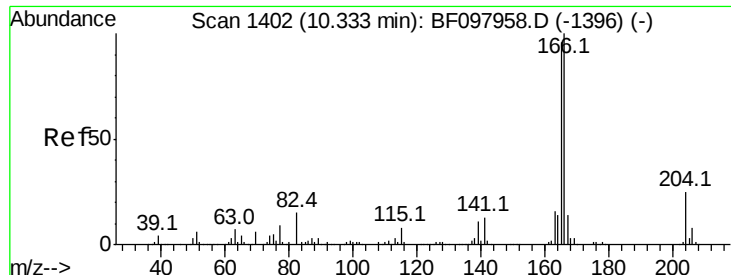


#56
2,4-Dinitrotoluene
Concen: 7.190 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	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





#57

Fluorene

Concen: 3.224 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

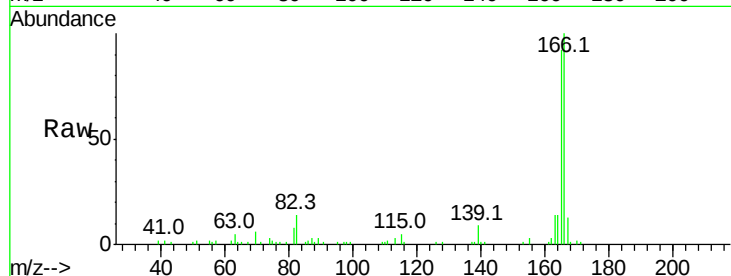
Tot Ion:166 Resp: 37934

Ion Ratio Lower Upper

166 100

165 91.5 78.8 118.2

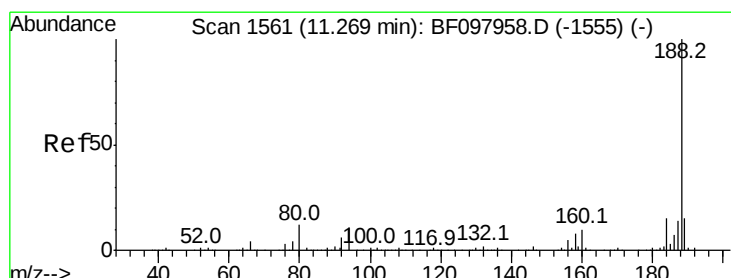
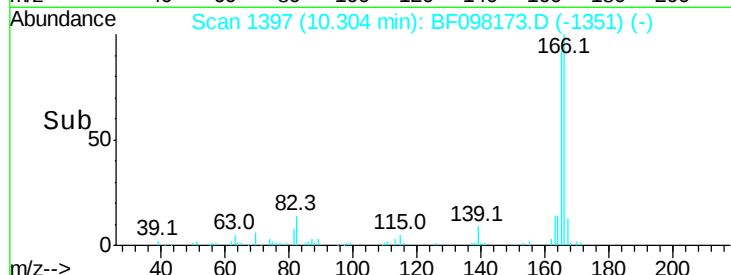
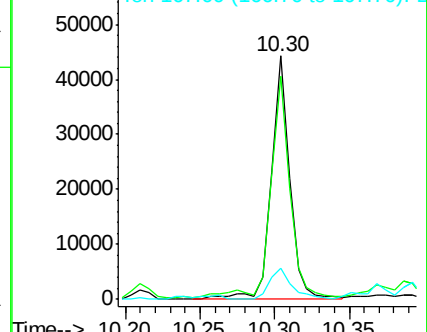
167 12.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

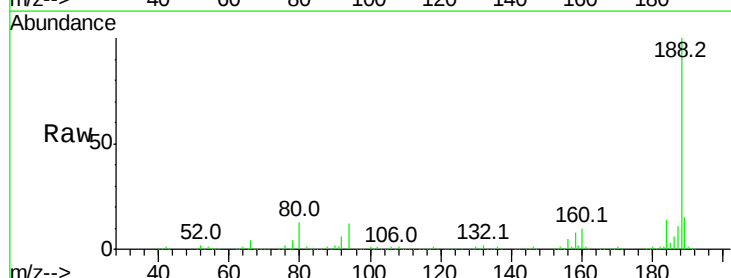
Tgt Ion:188 Resp: 278862

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

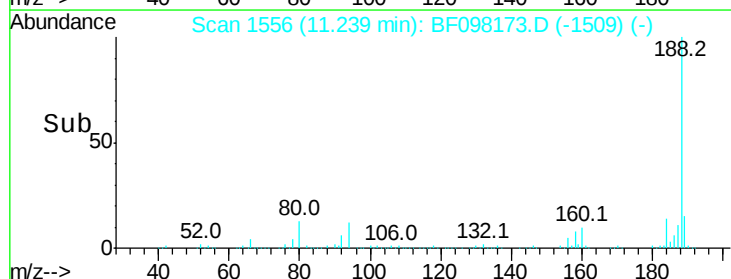
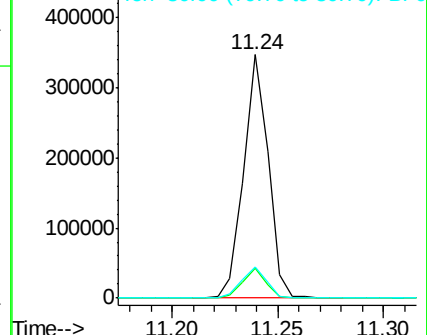
80 12.8 10.2 15.2

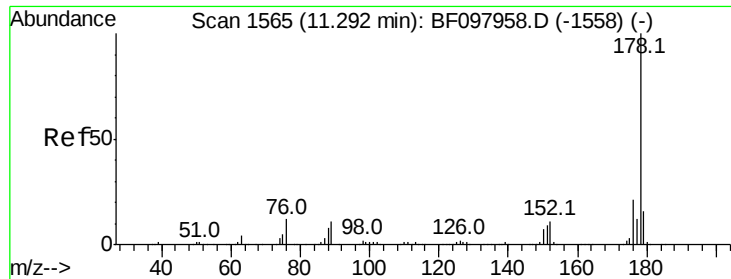


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

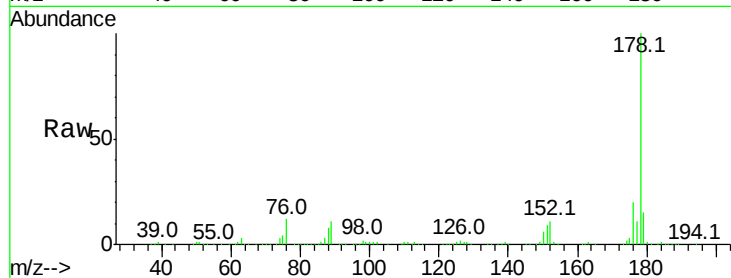




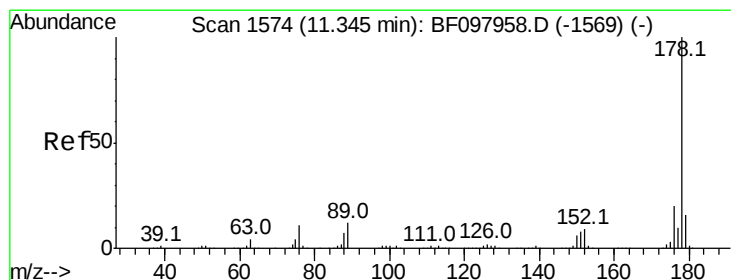
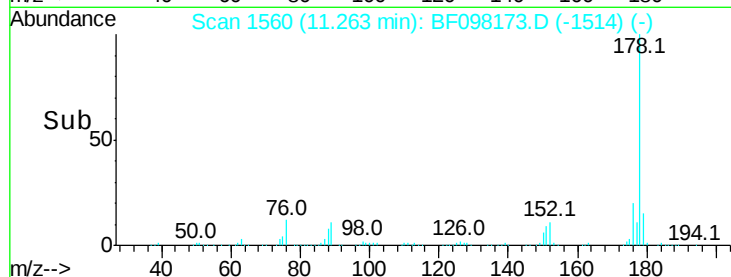
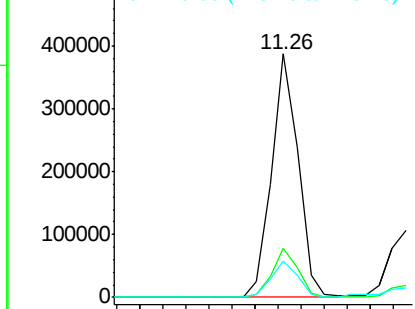
#70
Phenanthrene
Concen: 20.768 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 308608
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.0 12.6 19.0

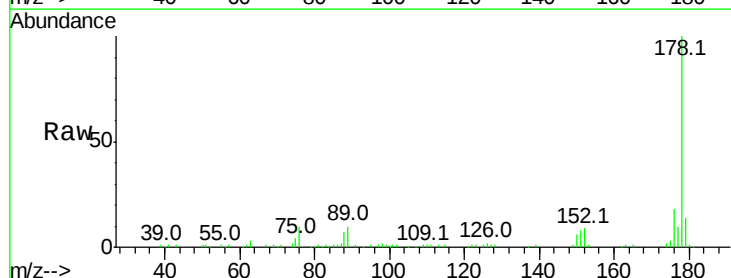


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

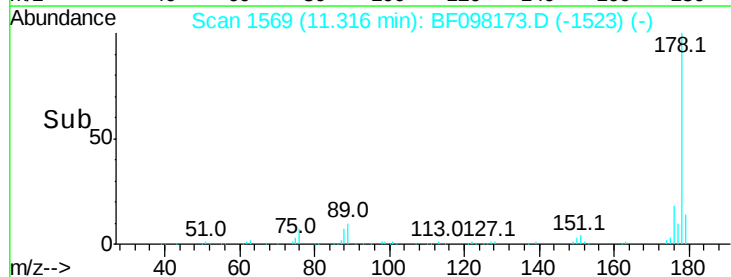
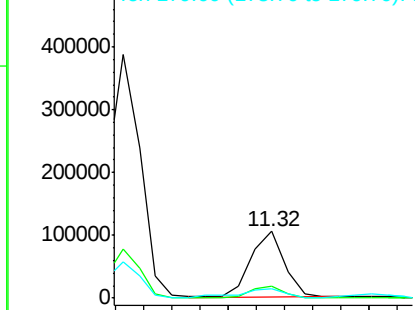


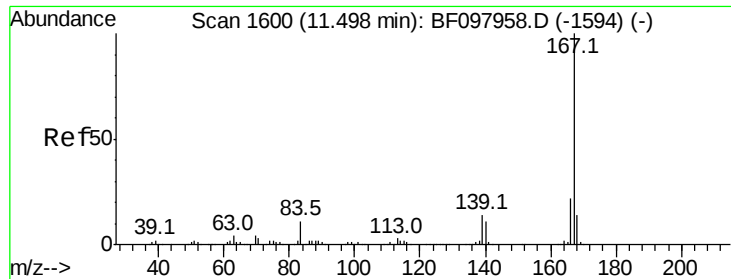
#71
Anthracene
Concen: 5.797 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion:178 Resp: 87366
Ion Ratio Lower Upper
178 100
176 18.0 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





#72

Carbazole

Concen: 2.270 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

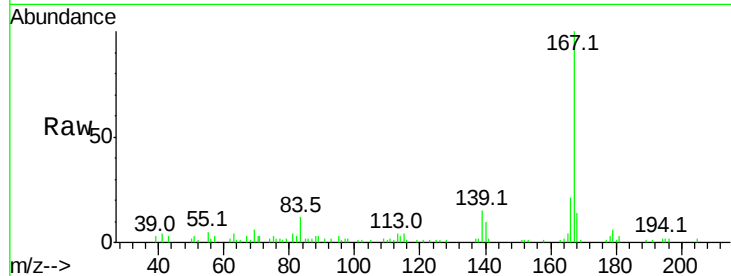
Tot Ion:167 Resp: 32478

Ion Ratio Lower Upper

167 100

166 20.6 18.1 27.1

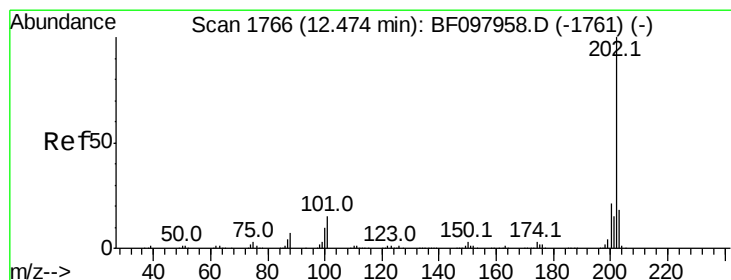
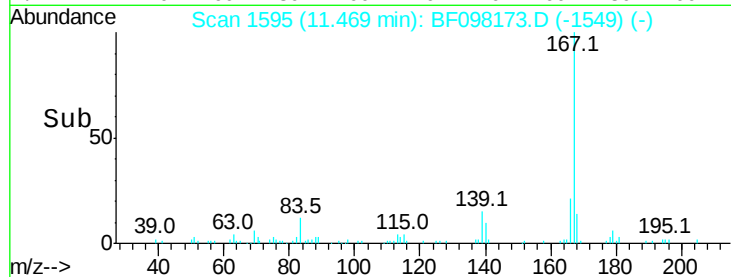
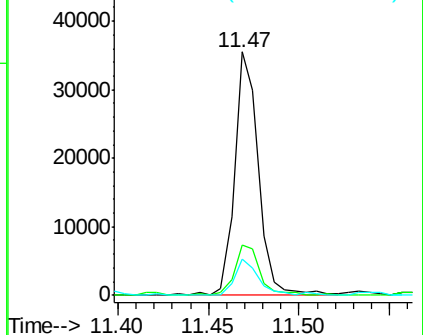
139 15.1 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 32.595 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

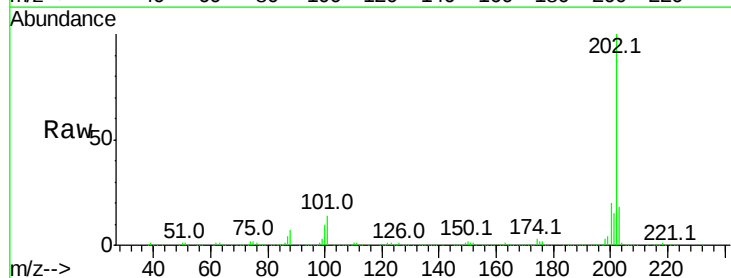
Tgt Ion:202 Resp: 505551

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

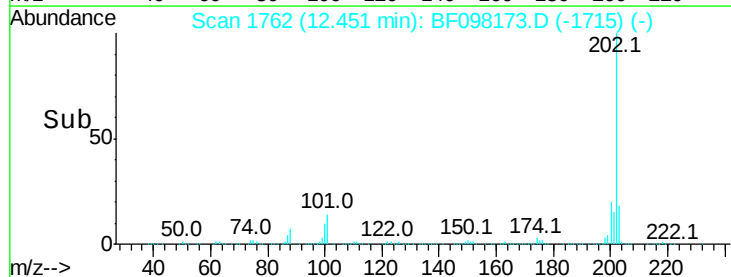
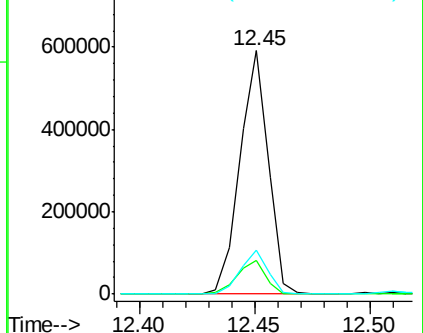
203 18.2 0.0 38.1

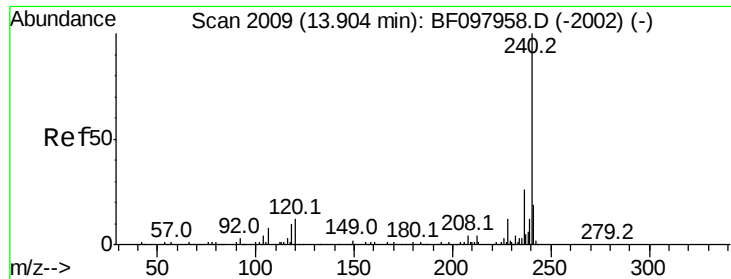


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

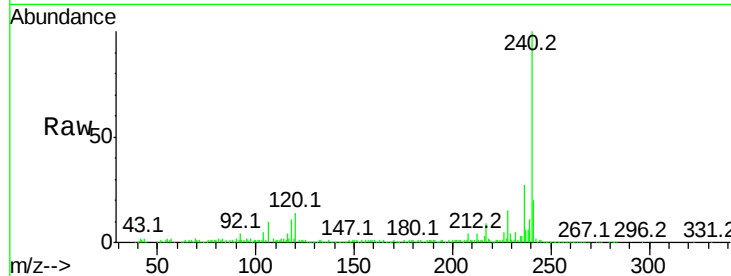
Tot Ion:240 Resp: 243742

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

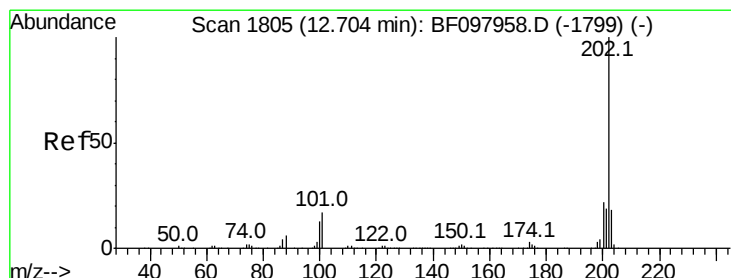
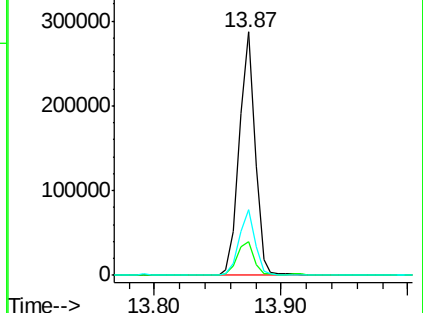
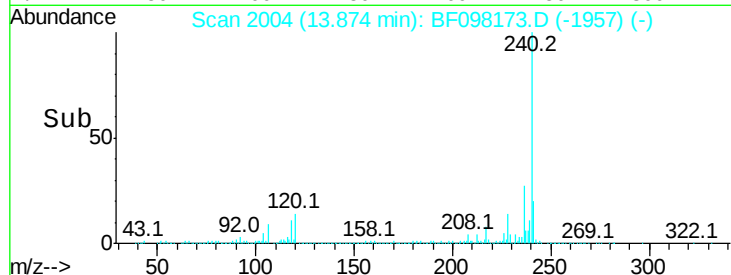
236 26.7 20.5 30.7



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: 22.968 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

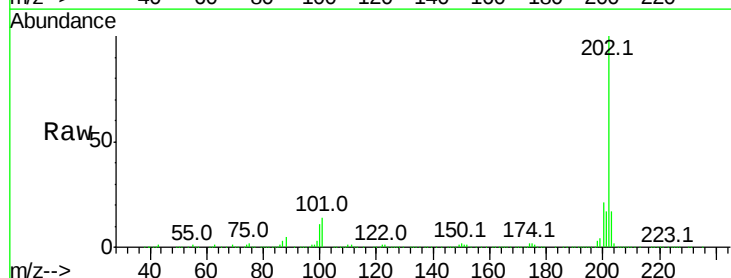
Tgt Ion:202 Resp: 457869

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

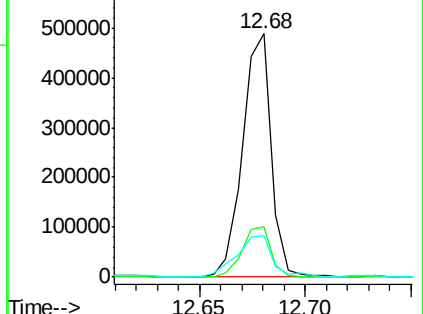
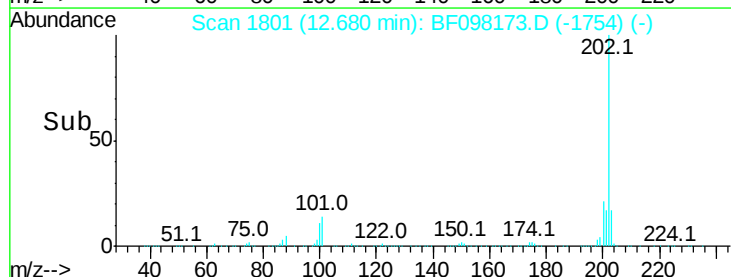
203 17.3 14.4 21.6

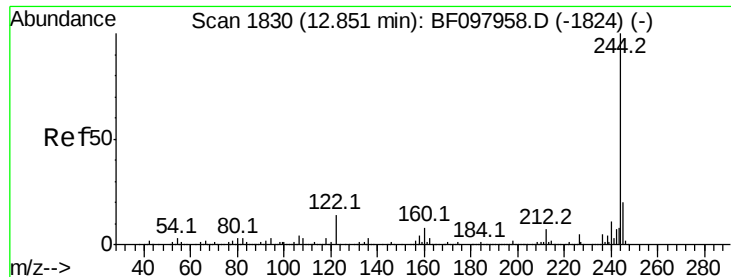


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.107 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

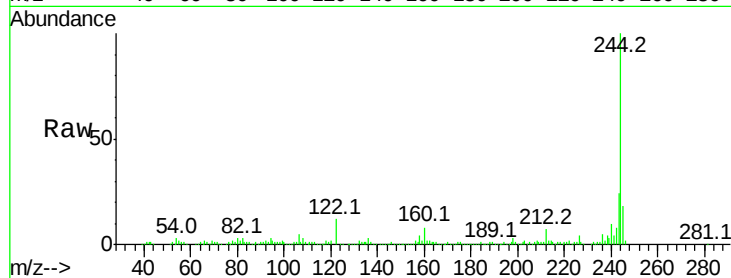
Tot Ion:244 Resp: 153203

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

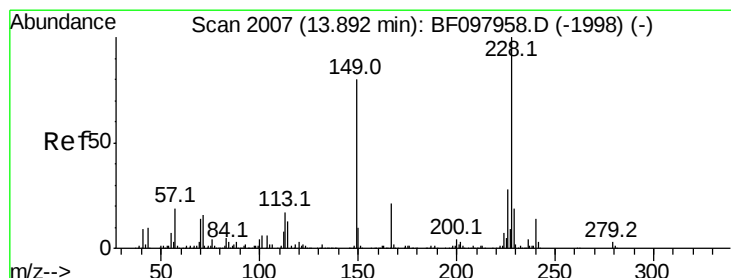
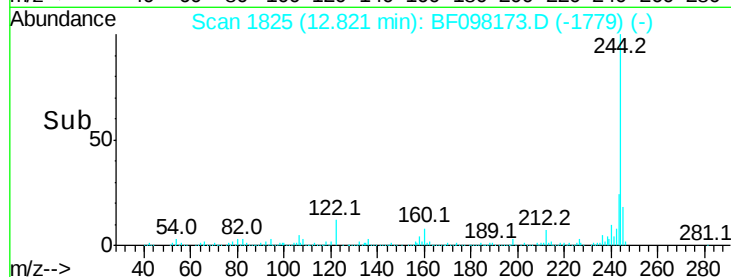
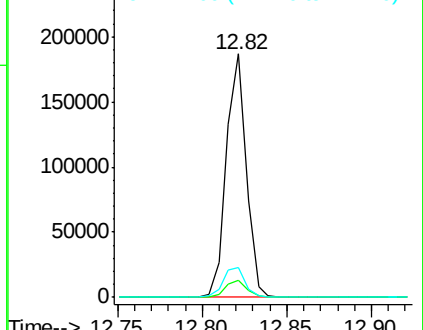
122 12.1 10.3 15.5



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: 15.662 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

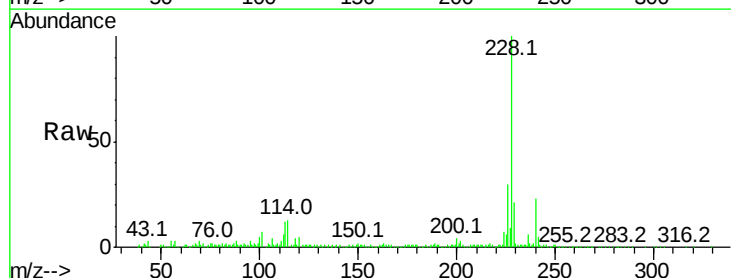
Tgt Ion:228 Resp: 228798

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

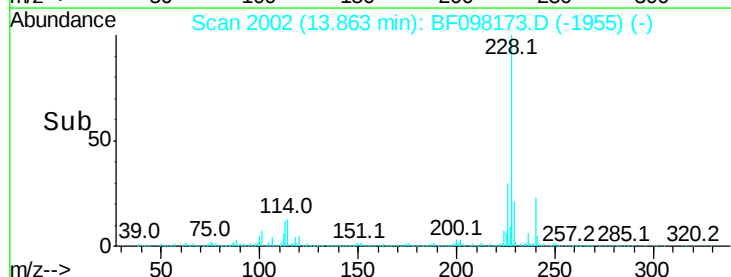
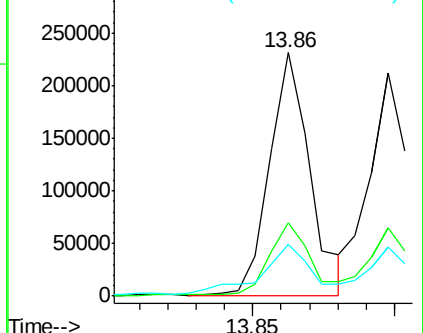
229 21.4 16.3 24.5

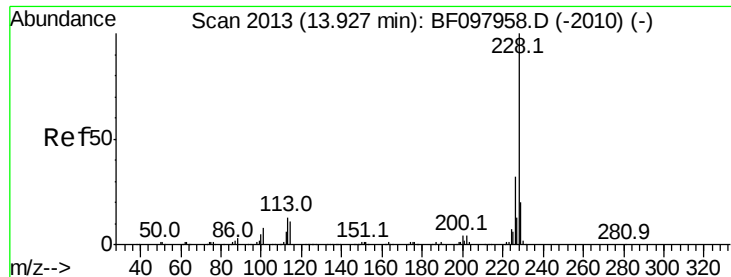


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.460 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

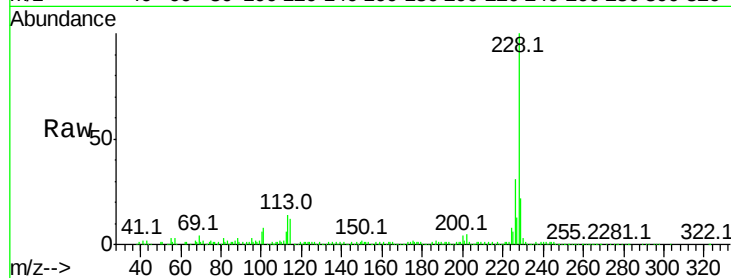
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 195605

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	21.9	15.8	23.6

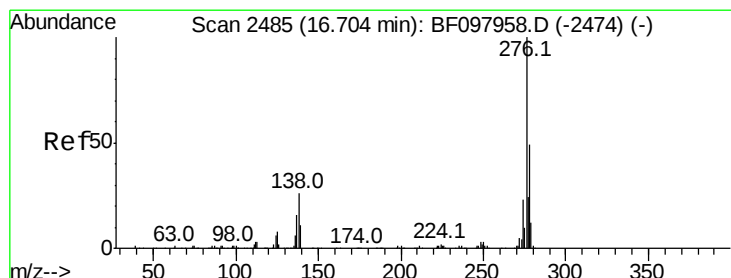
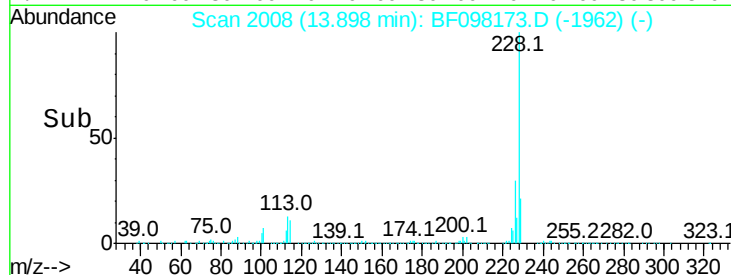
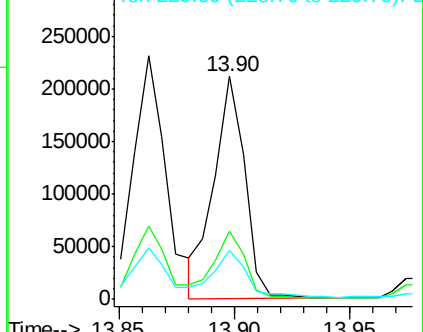


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.801 ng

RT: 16.66 min Scan# 2477

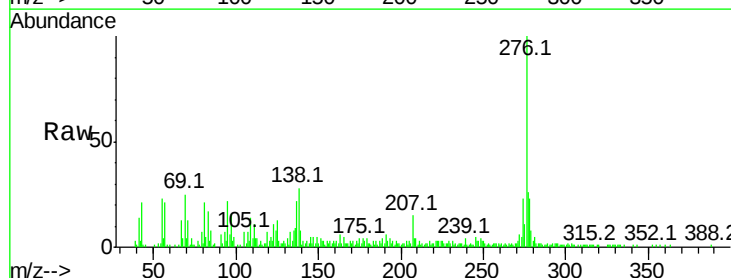
Delta R.T. -0.03 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Tgt Ion:276 Resp: 72701

Ion	Ratio	Lower	Upper
276	100		
138	25.5	27.8	41.6#
277	23.9	20.2	30.4

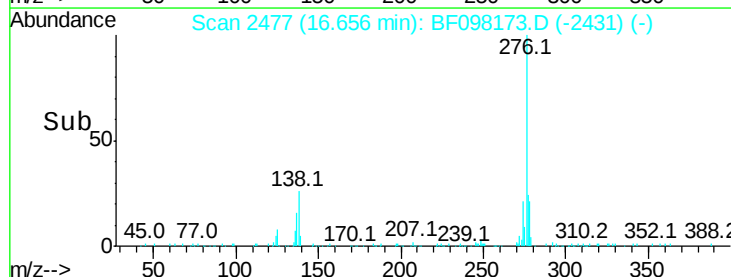
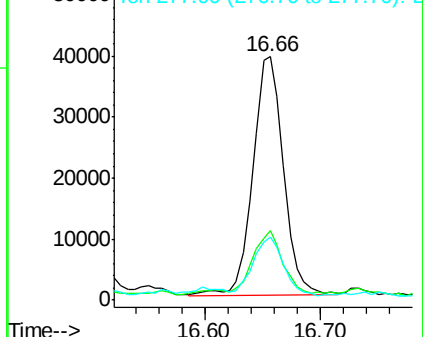


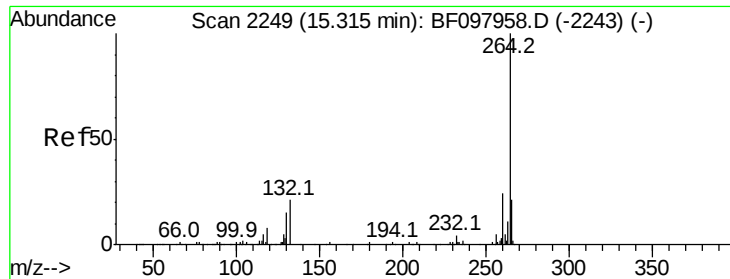
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

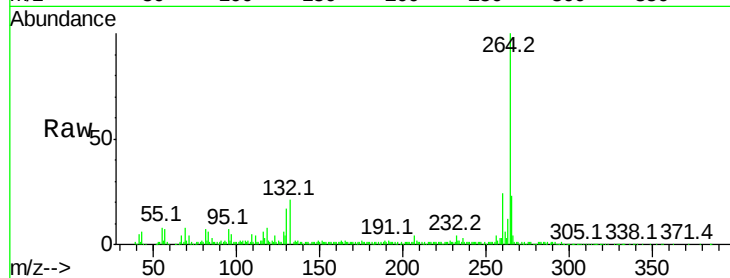




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.8	17.2	25.8

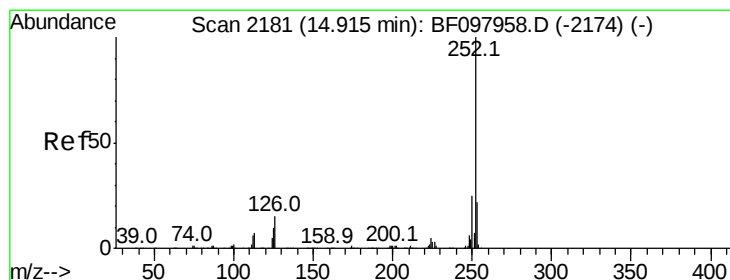
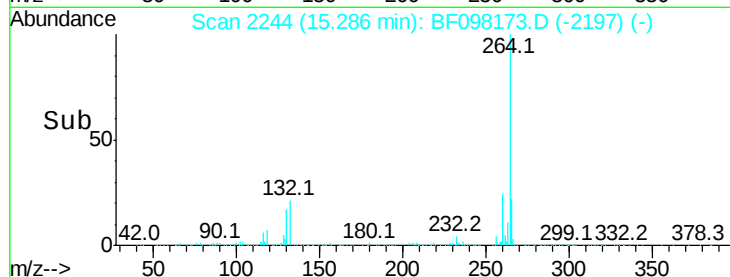
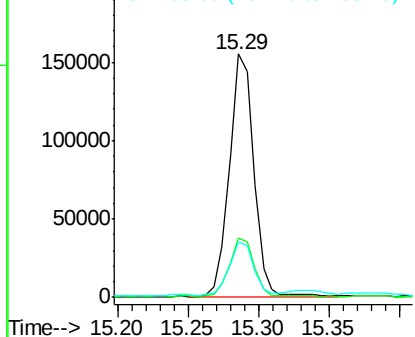


Abundance

Ion 264.00 (263.70 to 264.70): E

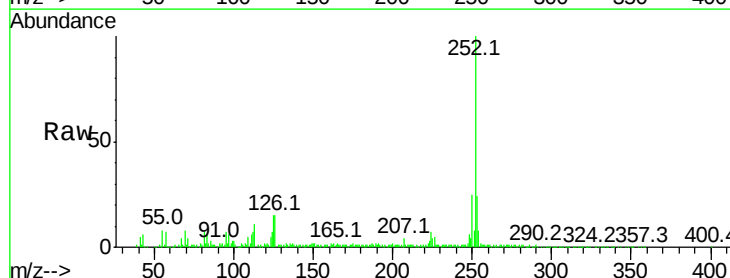
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 23.876 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.8	9.8	14.8#

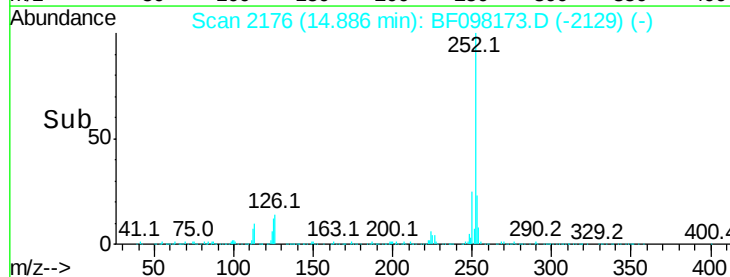
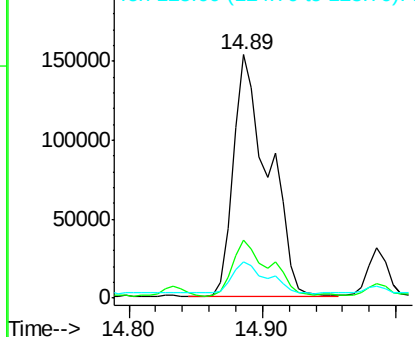


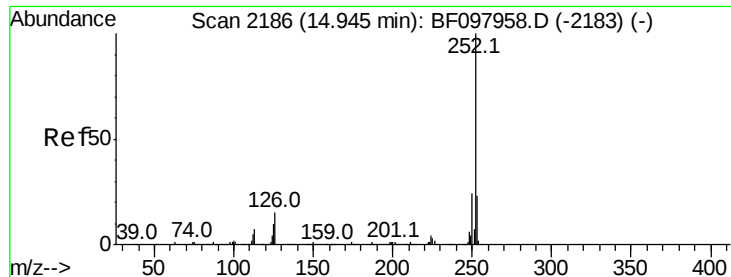
Abundance

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

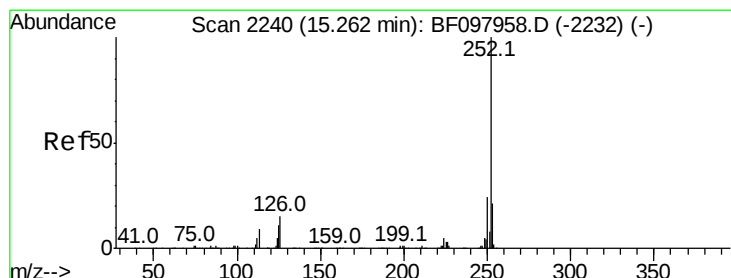
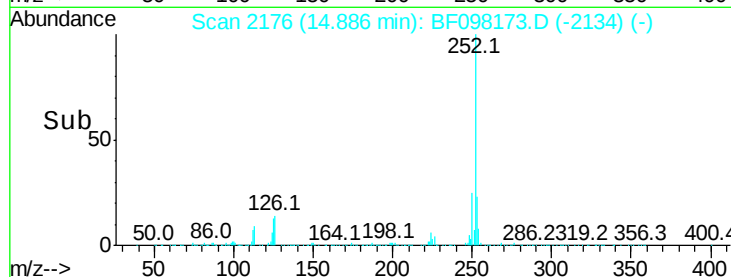
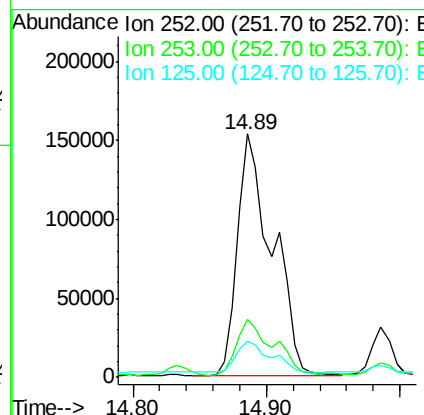
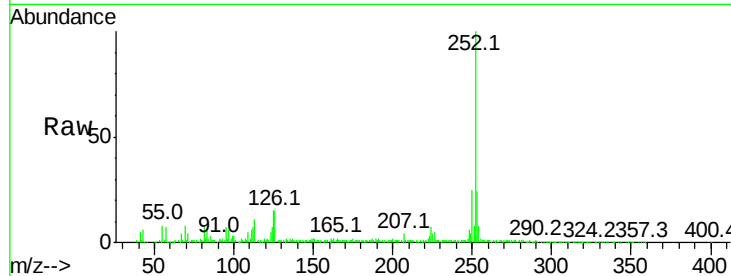




#88
Benzo(k)fluoranthene
Concen: 25.414 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.05 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

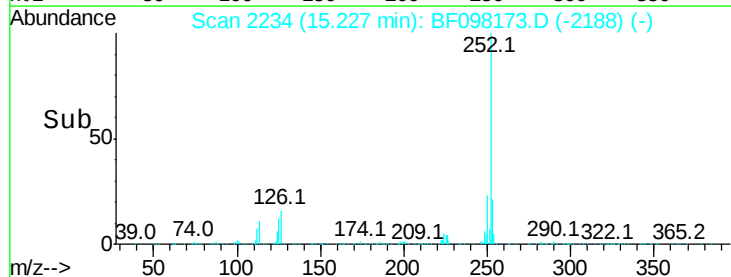
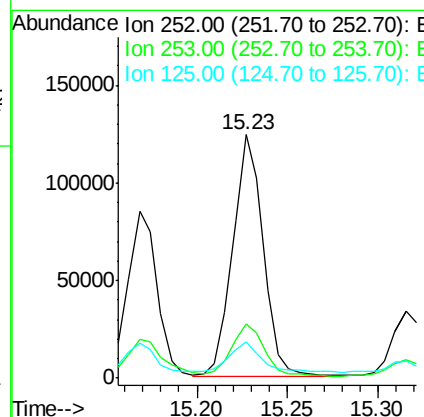
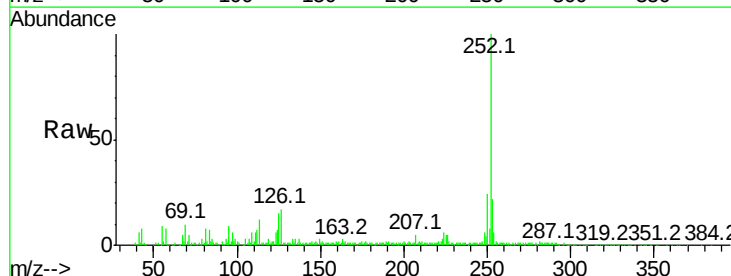
Instrument :
BNA_F
ClientSampleId :

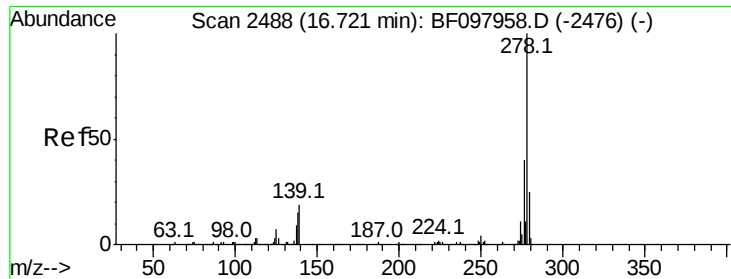
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	14.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 13.892 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF098173.D
Acq: 30 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.8	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.268 ng

RT: 16.66 min Scan# 2478

Delta R.T. -0.05 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

Instrument :

BNA_F

ClientSampleId :

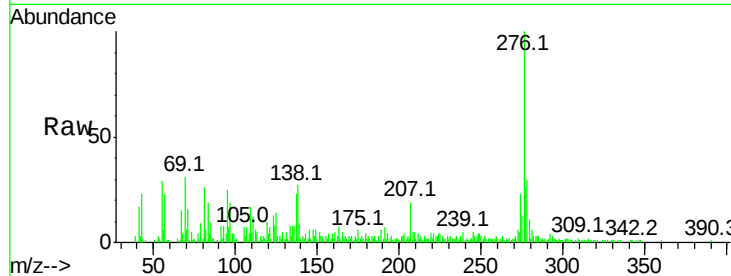
Tot Ion:278 Resp: 19182

Ion Ratio Lower Upper

278 100

139 29.3 16.6 24.8#

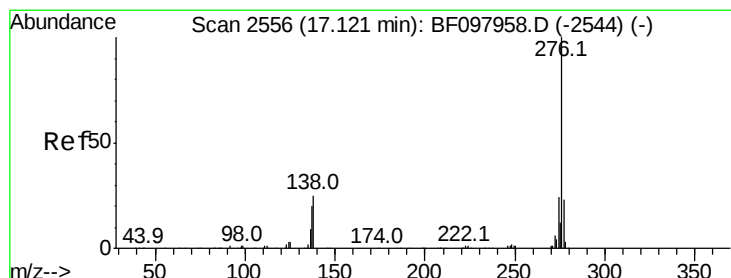
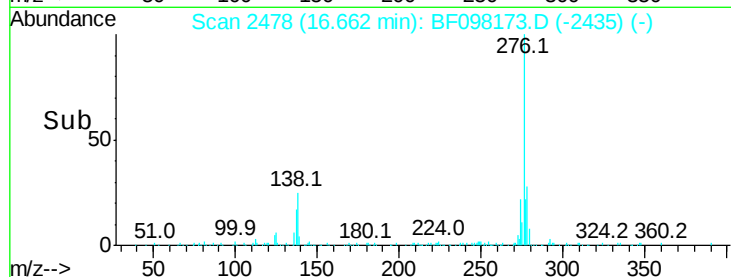
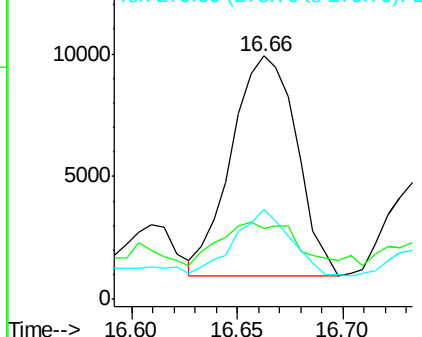
279 36.8 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.765 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.04 min

Lab File: BF098173.D

Acq: 30 Aug 2017 23:22

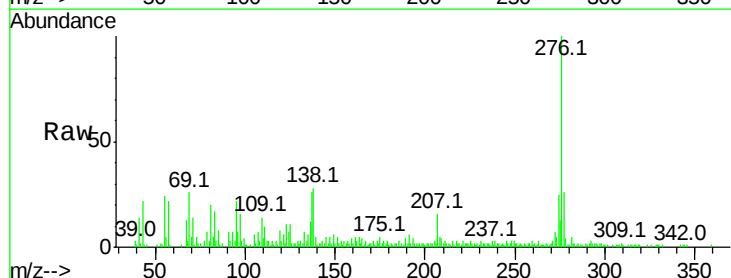
Tgt Ion:276 Resp: 68527

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 27.9 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

