

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098317.D
 Acq On : 7 Sep 2017 16:52
 Operator : SJ/JU
 Sample : I5093-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-090117-C

Quant Time: Sep 07 17:38:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	109228	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	425857	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	177329	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	297259	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	236023	20.00	ng	-0.02
86) Perylene-d12	15.25	264	189328	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	686399	95.59	ng	0.00
7) Phenol-d6	6.33	99	949696	97.34	ng	-0.02
23) Nitrobenzene-d5	7.26	82	581850	74.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	155257	100.91	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	840567	69.64	ng	-0.02
78) Terphenyl-d14	12.79	244	588726	52.02	ng	-0.02

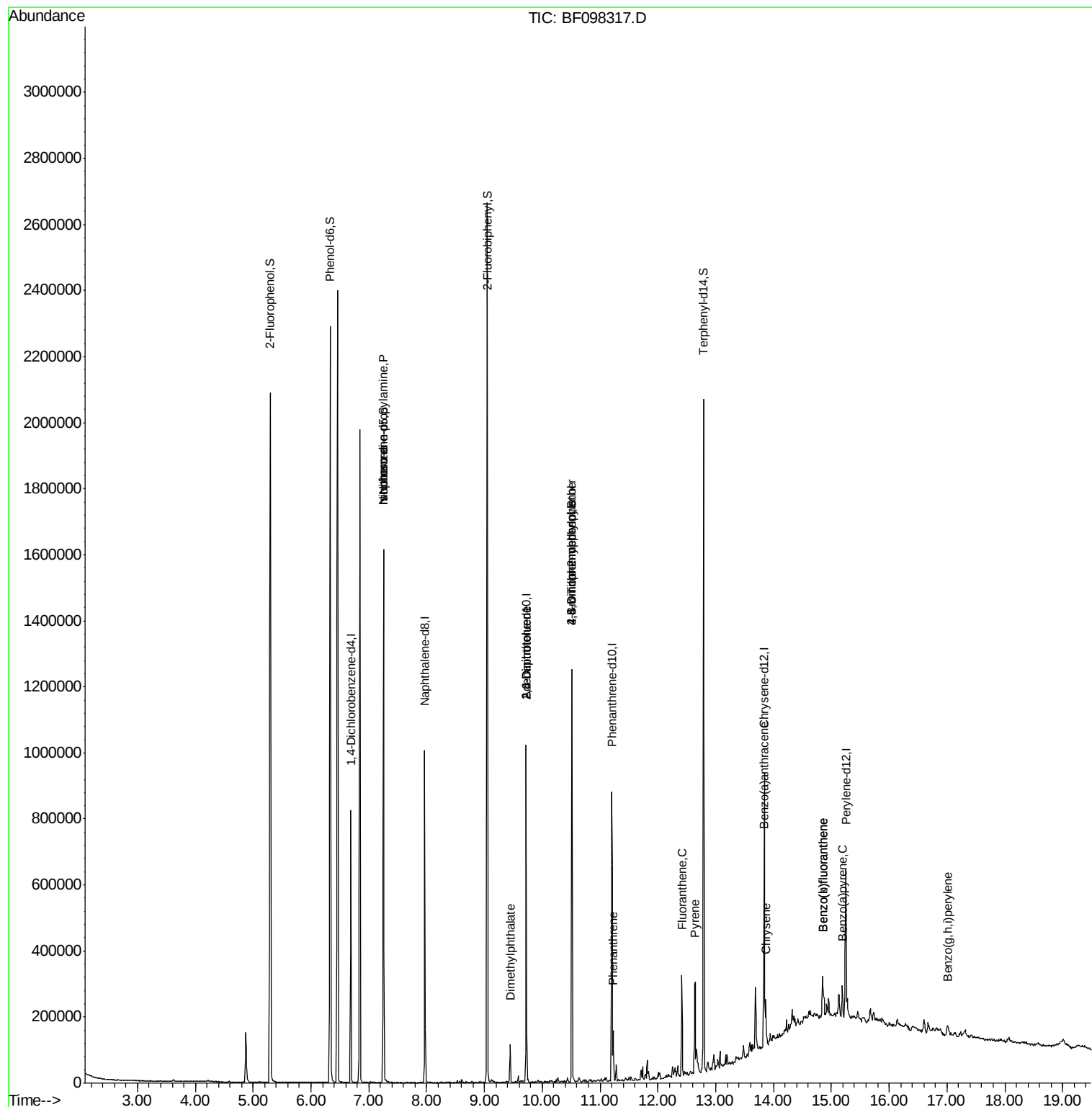
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	75932	11.369	ng	# 69
25) Isophorone	7.26	82	581844	35.695	ng	# 67
49) Dimethylphthalate	9.45	163	38871	2.999	ng	98
50) 2,6-Dinitrotoluene	9.72	165	22902	8.851	ng	# 34
56) 2,4-Dinitrotoluene	9.72	165	22902	7.053	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.51	198	297	8.496	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10196	3.303	ng	# 1
70) Phenanthrene	11.23	178	46985	2.966	ng	99
74) Fluoranthene	12.42	202	107384	6.495	ng	98
77) Pyrene	12.65	202	116338	6.027	ng	97
80) Benzo(a)anthracene	13.83	228	59197	4.185	ng	99
82) Chrysene	13.86	228	53402	3.795	ng	97
87) Benzo(b)fluoranthene	14.85	252	78196	6.552	ng	# 96
88) Benzo(k)fluoranthene	14.85	252	78196	6.974	ng	99
89) Benzo(a)pyrene	15.19	252	42901	4.061	ng	# 95
91) Benzo(g,h,i)perylene	17.01	276	20734	2.310	ng	95

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

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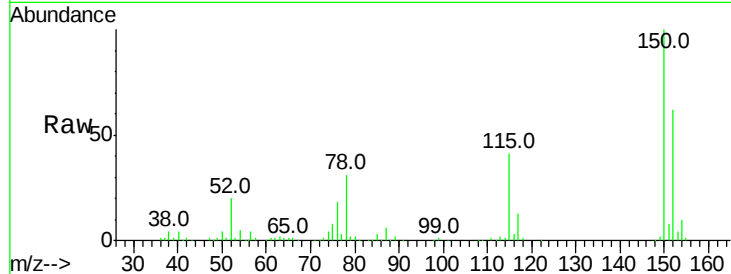


#1

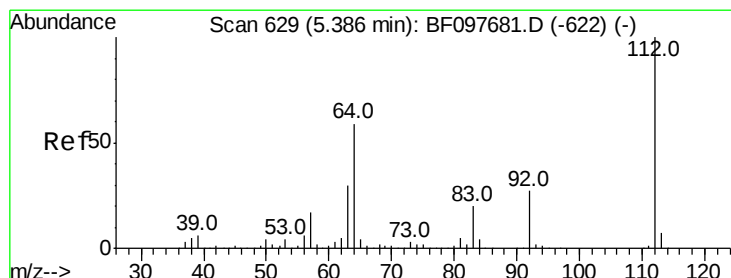
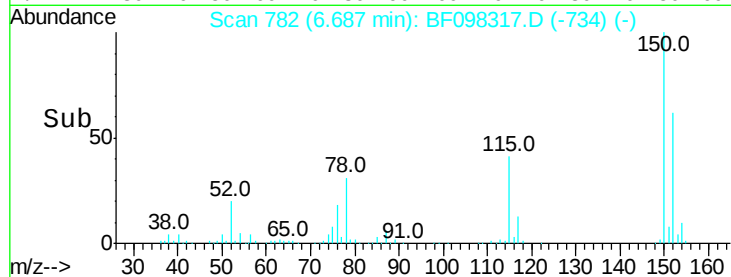
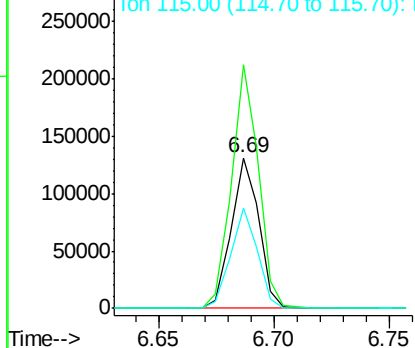
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

Instrument :
BNA_F
ClientSampleId :
AU-06-090117-C

Tot Ion:152 Resp: 109228
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 66.9 52.2 78.2



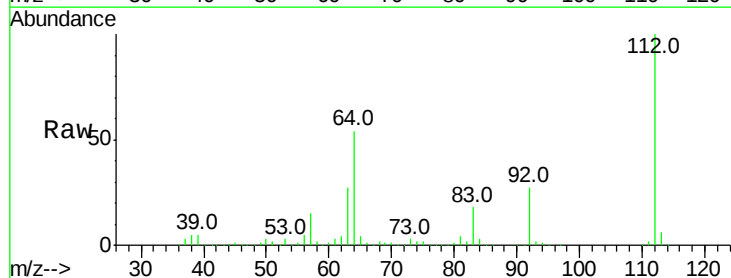
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



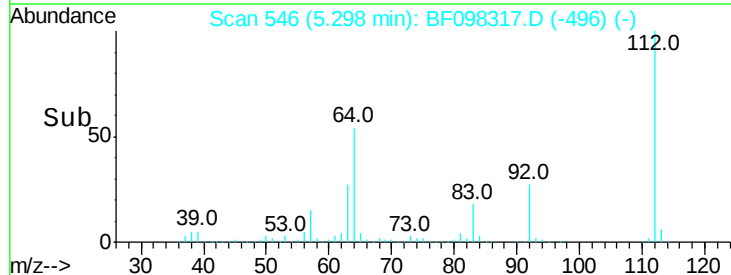
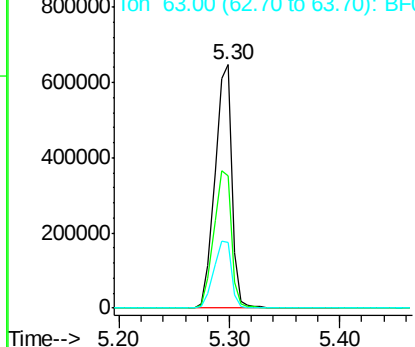
#5

2-Fluorophenol
Concen: 95.586 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

Tgt Ion:112 Resp: 686399
Ion Ratio Lower Upper
112 100
64 54.5 46.0 69.0
63 26.8 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: 97.336 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

BNA_F

ClientSampleId :

AU-06-090117-C

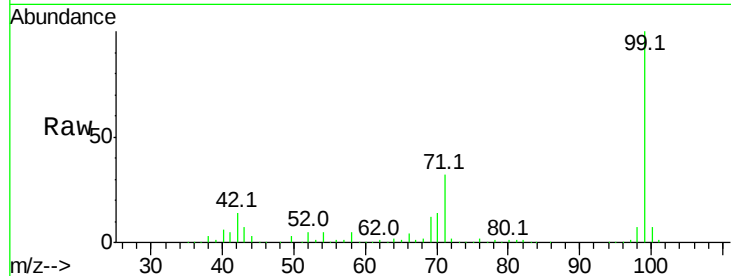
Tot Ion: 99 Resp: 949696

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

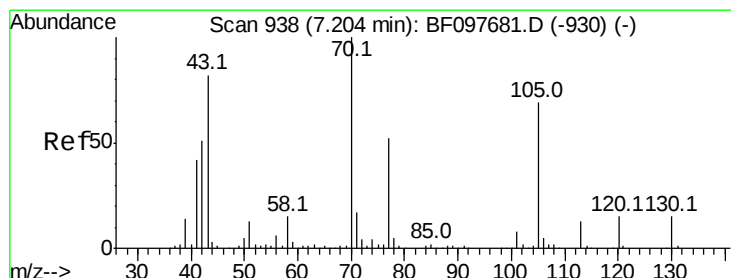
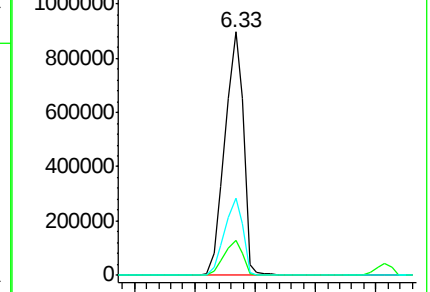
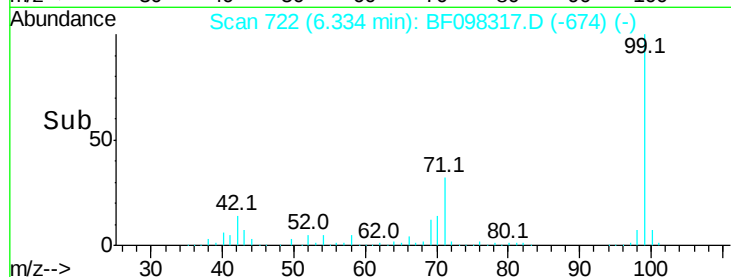
71 32.0 24.5 36.7



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: 11.369 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Tgt Ion: 70 Resp: 75932

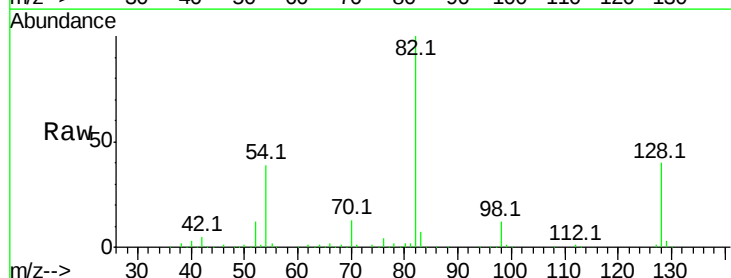
Ion Ratio Lower Upper

70 100

42 37.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

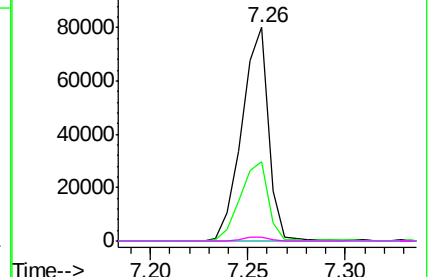
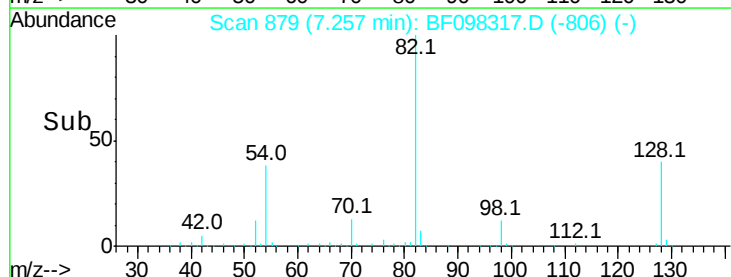


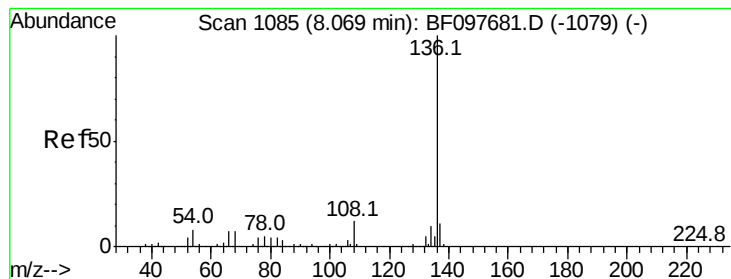
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

BNA_F

ClientSampleId :

AU-06-090117-C

Tot Ion:136 Resp: 425857

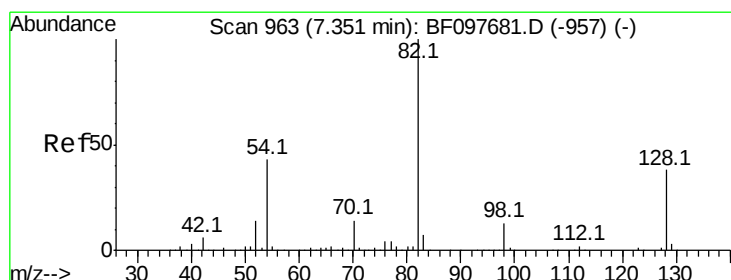
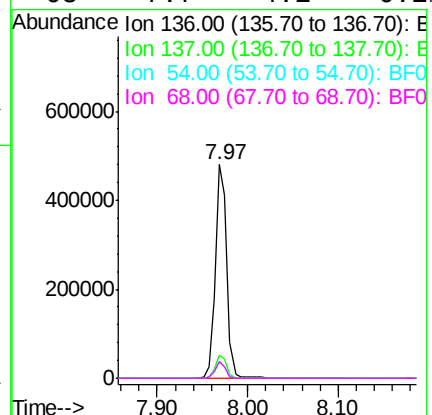
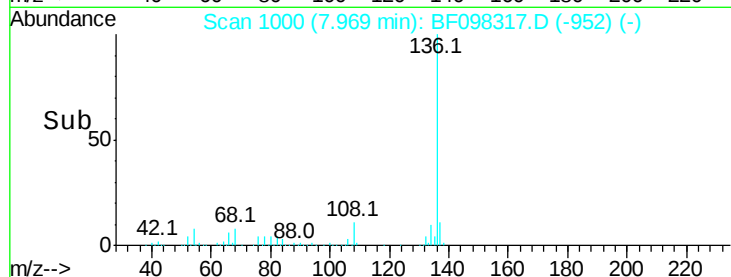
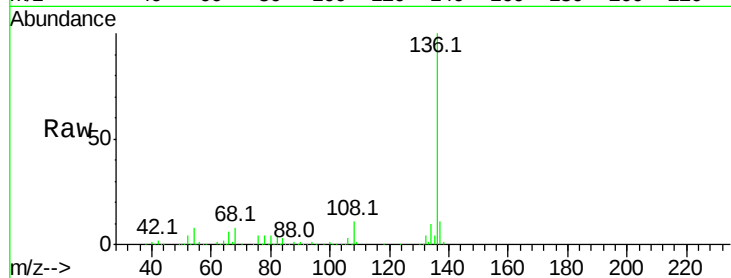
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.0 4.9 7.3#

68 7.7 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 74.224 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

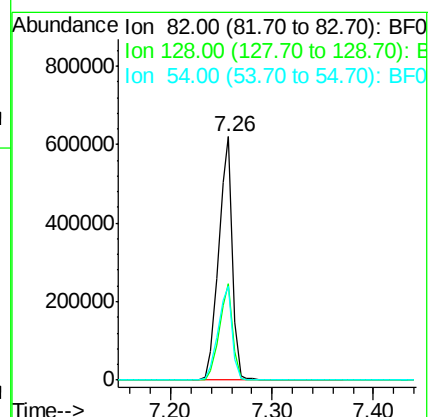
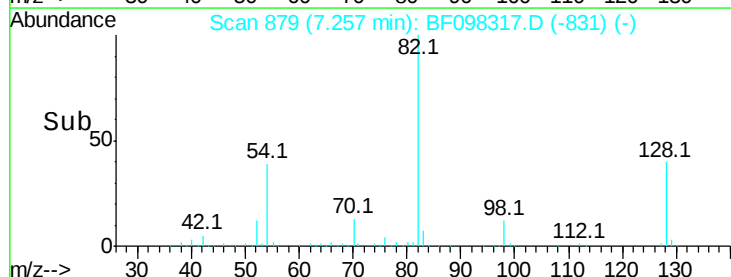
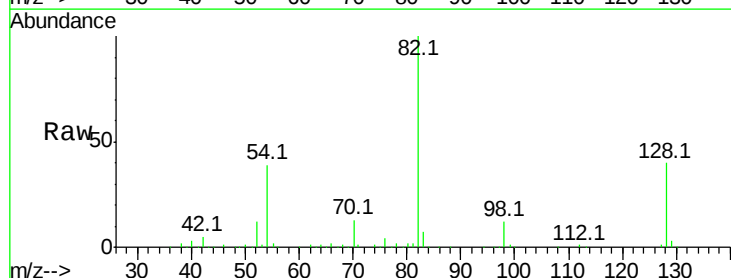
Tgt Ion: 82 Resp: 581850

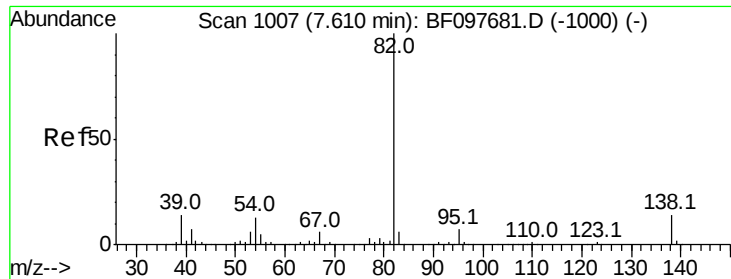
Ion Ratio Lower Upper

82 100

128 39.7 34.0 51.0

54 38.6 42.2 63.2#





#25

Isophorone

Concen: 35.695 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

BNA_F

ClientSampleId :

AU-06-090117-C

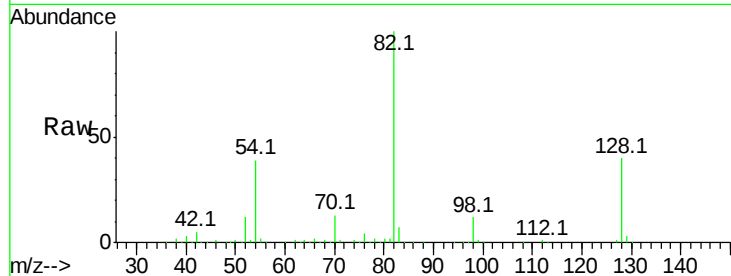
Tot Ion: 82 Resp: 581844

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

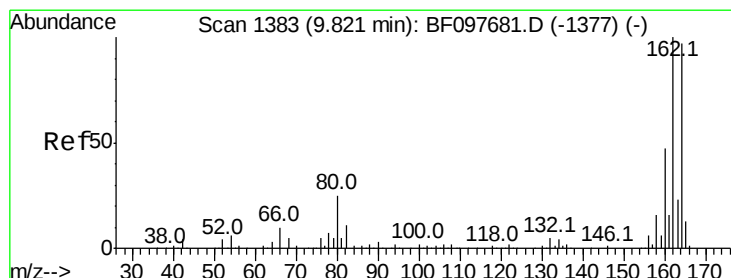
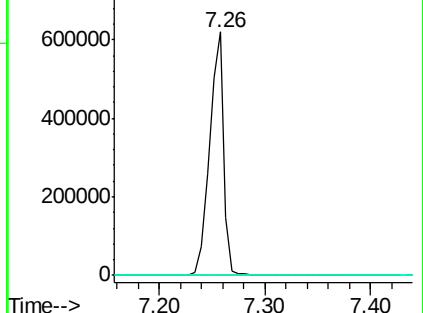
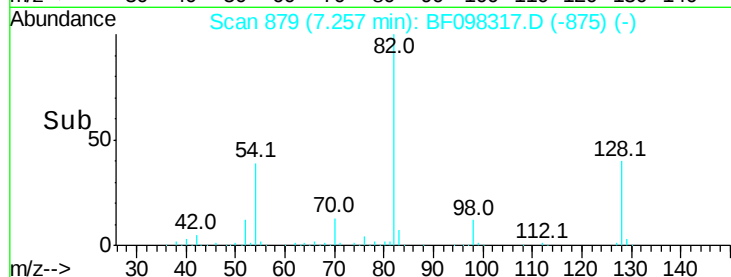
138 0.0 13.1 19.7#



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: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

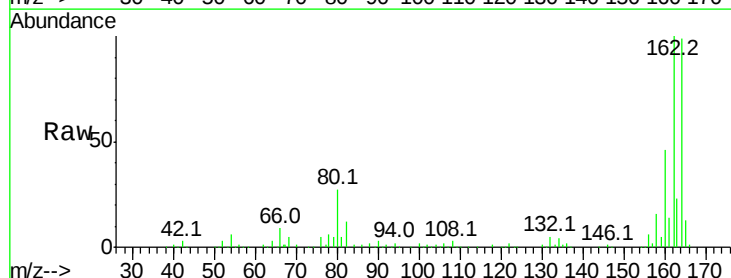
Tgt Ion:164 Resp: 177329

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

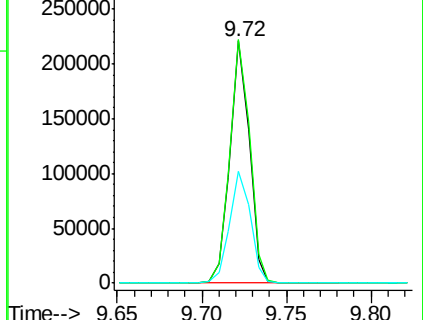
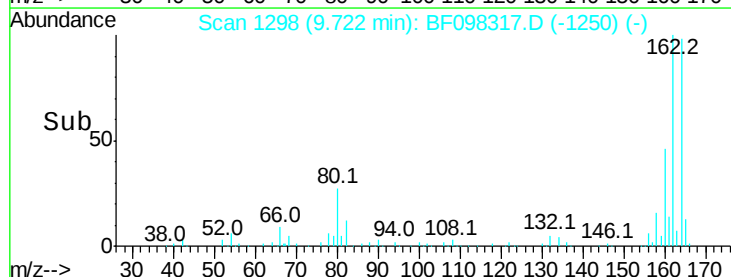
160 46.2 36.2 54.2



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

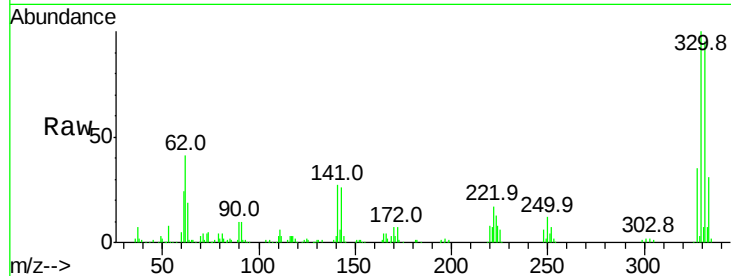




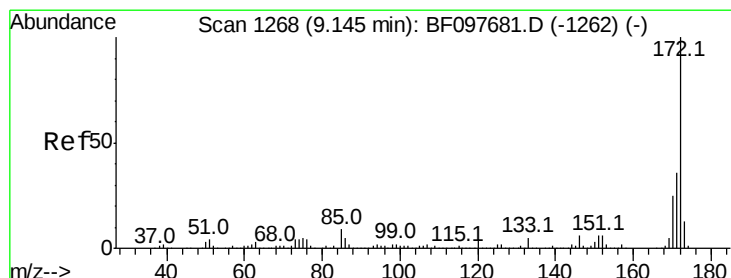
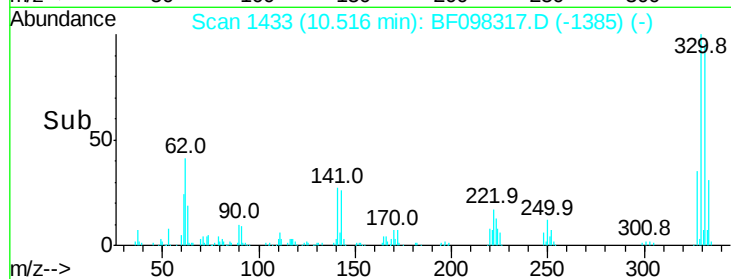
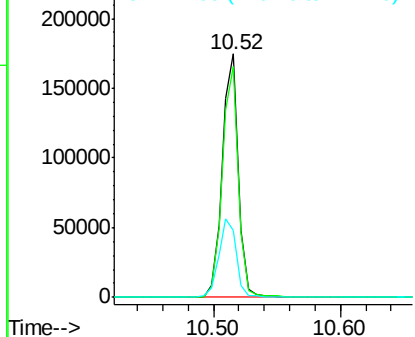
#41
 2,4,6-Tribromophenol
 Concen: 100.907 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098317.D
 Acq: 7 Sep 2017 16:52

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-090117-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	35.5	31.4	47.2

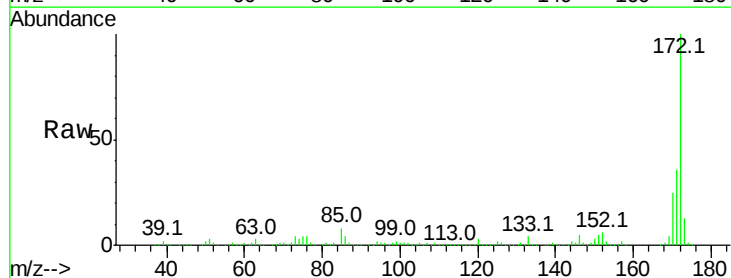


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

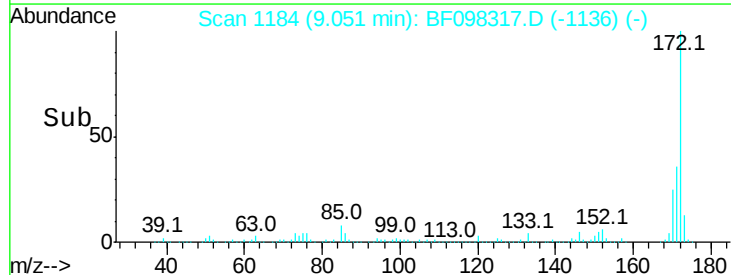
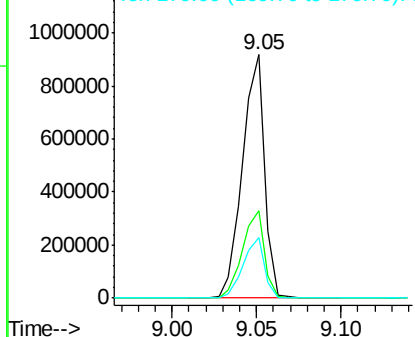


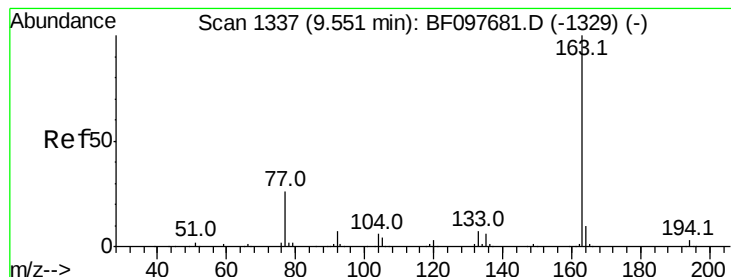
#44
 2-Fluorobiphenyl
 Concen: 69.643 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF098317.D
 Acq: 7 Sep 2017 16:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.6	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: 2.999 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

BNA_F

ClientSampleId :

AU-06-090117-C

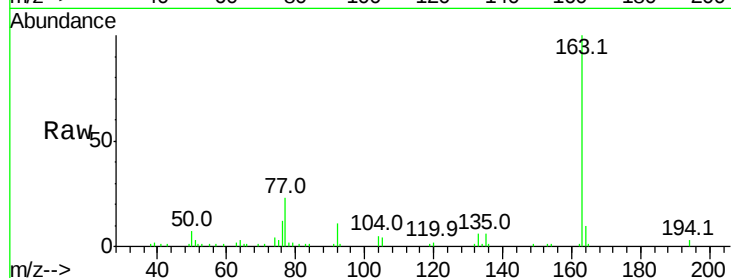
Tot Ion:163 Resp: 38871

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

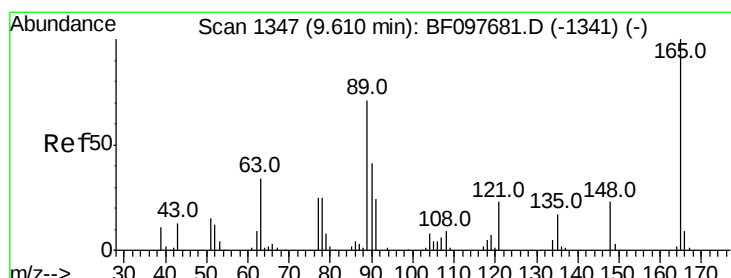
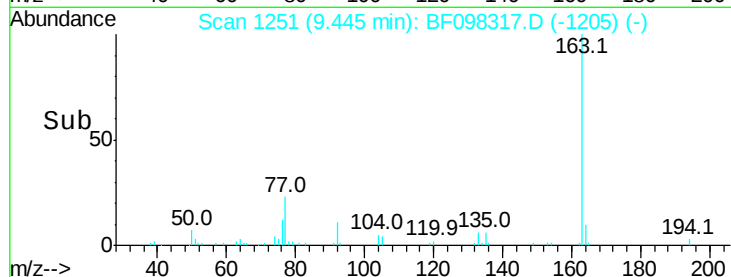
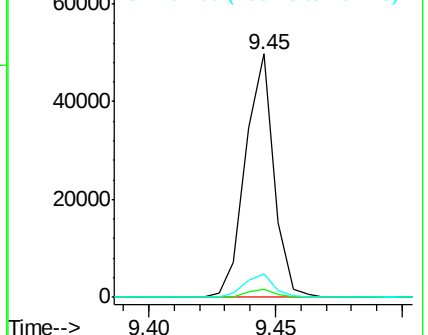
164 9.8 8.4 12.6



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: 8.851 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.18 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

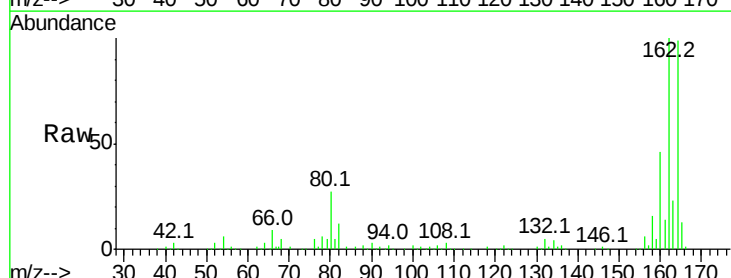
Tgt Ion:165 Resp: 22902

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

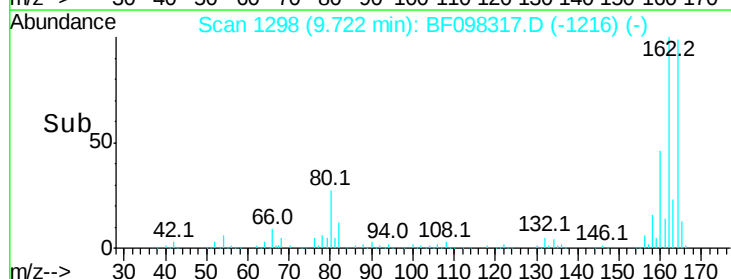
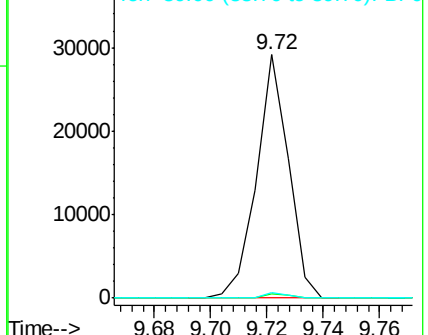
89 2.2 37.1 55.7#

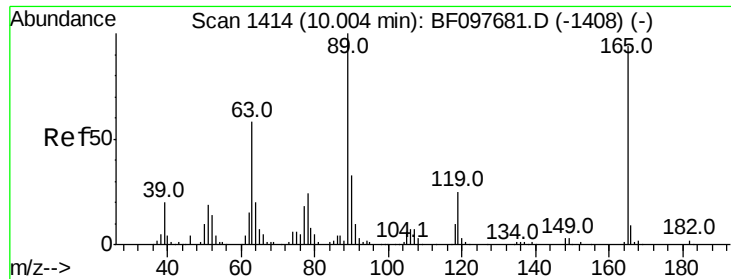


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

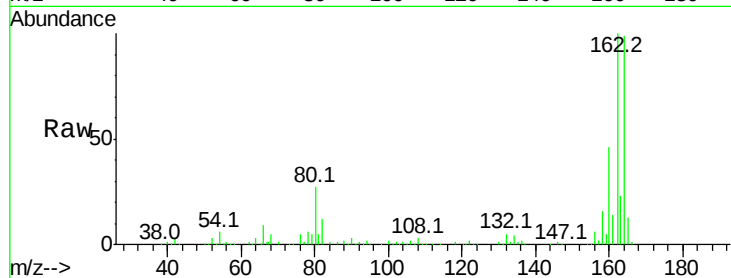




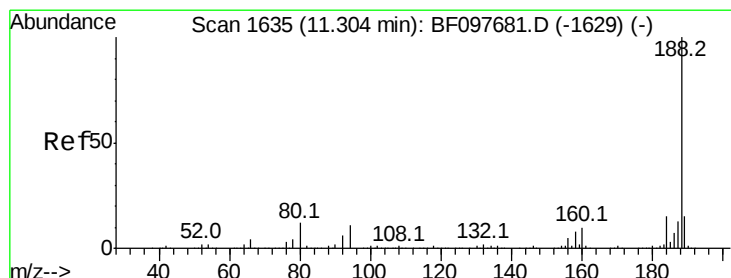
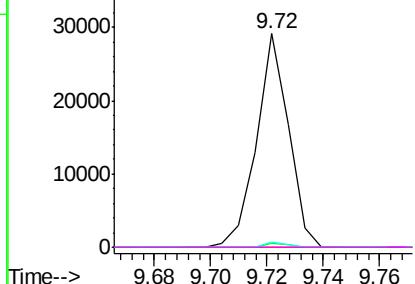
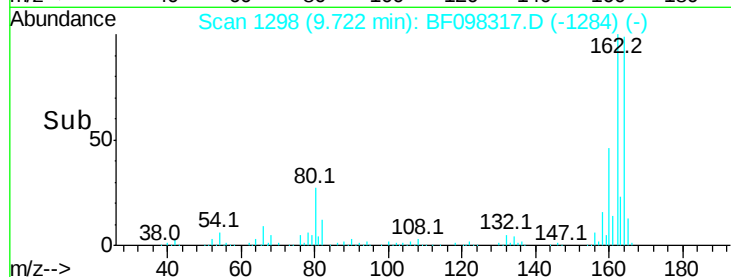
#56
 2,4-Dinitrotoluene
 Concen: 7.053 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.22 min
 Lab File: BF098317.D
 Acq: 7 Sep 2017 16:52

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-090117-C

Tot Ion:165 Resp: 22902
 Ion Ratio Lower Upper
 165 100
 63 1.6 25.4 38.0#
 89 2.2 46.4 69.6#
 182 0.0 1.8 2.6#

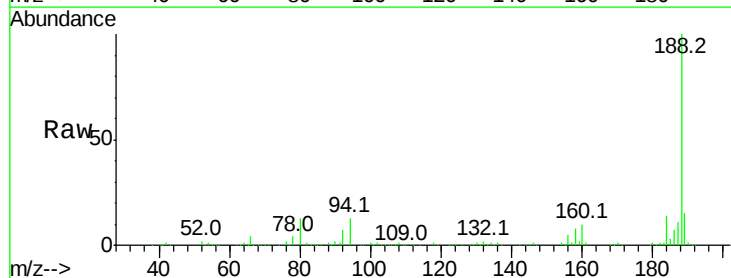


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

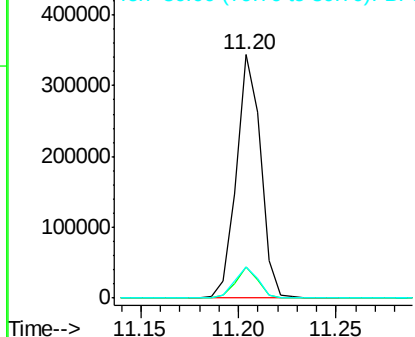
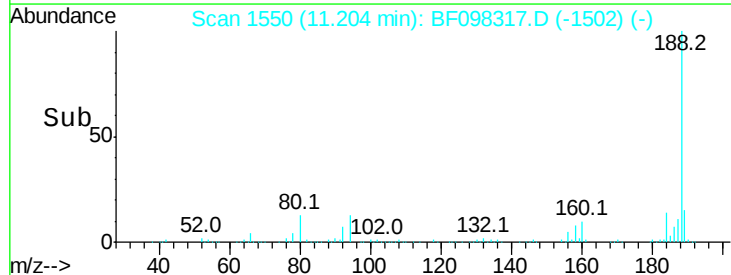


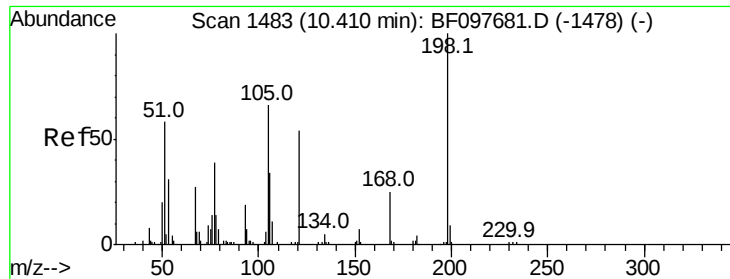
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BF098317.D
 Acq: 7 Sep 2017 16:52

Tgt Ion:188 Resp: 297259
 Ion Ratio Lower Upper
 188 100
 94 12.8 9.4 14.2
 80 12.9 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

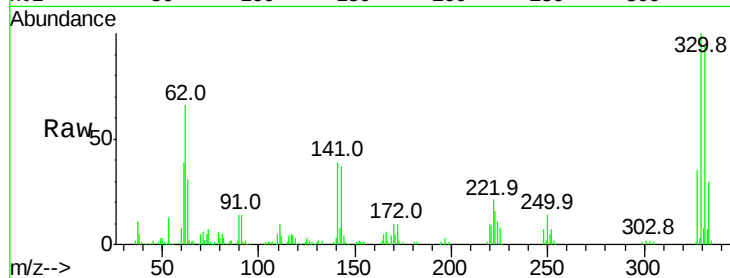




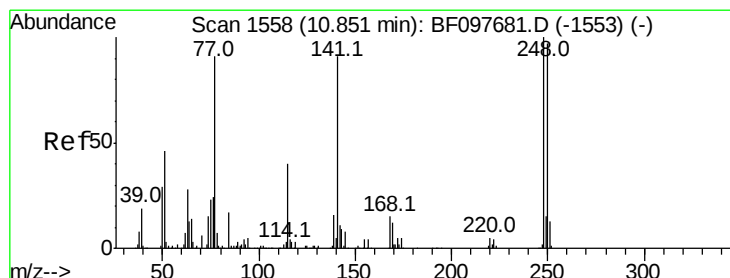
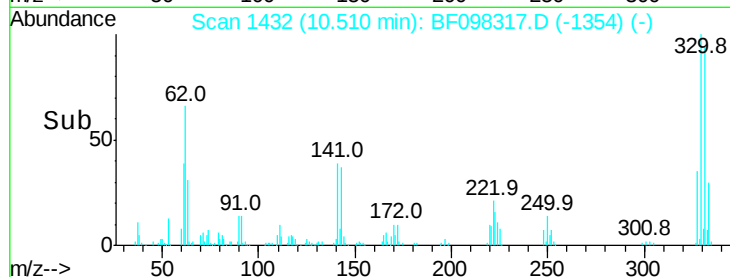
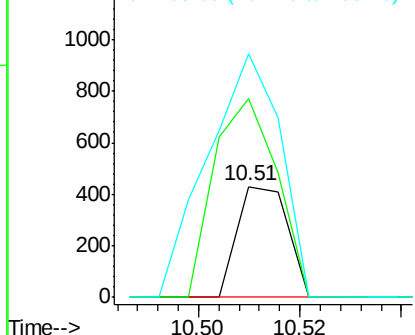
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.496 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.16 min
 Lab File: BF098317.D
 Acq: 7 Sep 2017 16:52

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-090117-C

Tot Ion:198 Resp: 297
 Ion Ratio Lower Upper
 198 100
 51 178.9 53.2 93.2#
 105 219.0 45.8 85.8#

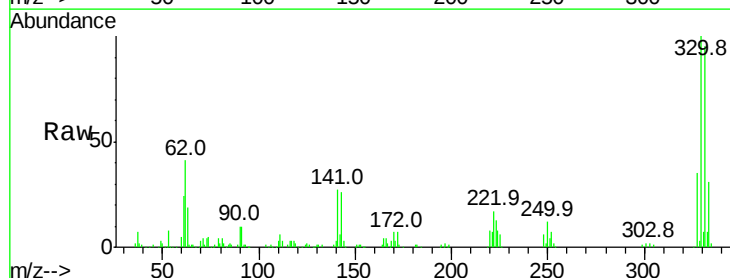


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

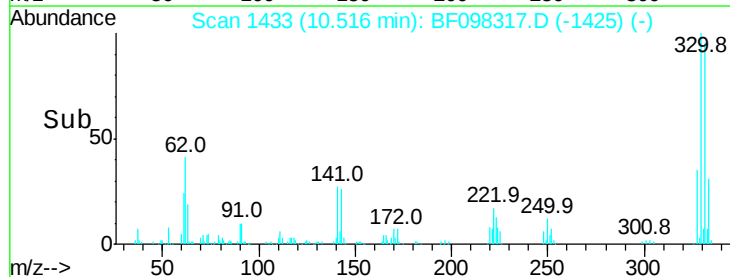
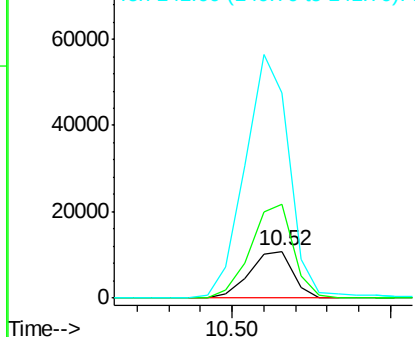


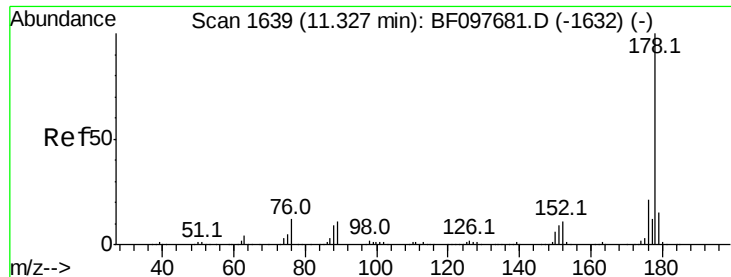
#66
 4-Bromophenyl-phenylether
 Concen: 3.303 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF098317.D
 Acq: 7 Sep 2017 16:52

Tgt Ion:248 Resp: 10196
 Ion Ratio Lower Upper
 248 100
 250 199.5 76.8 115.2#
 141 440.0 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





#70

Phenanthrene

Concen: 2.966 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

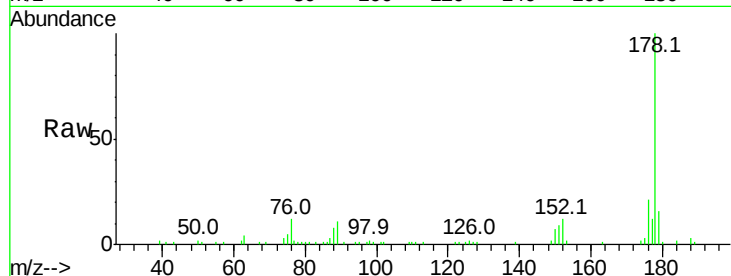
BNA_F

ClientSampleId :

AU-06-090117-C

Tot Ion:178 Resp: 46985

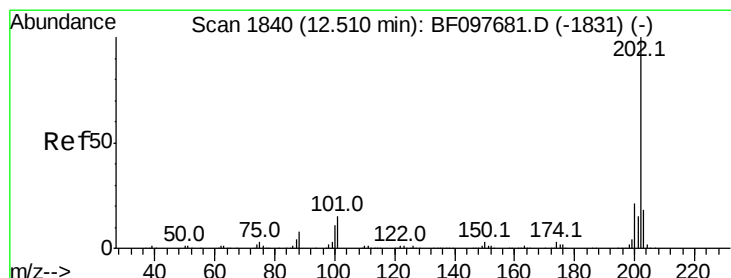
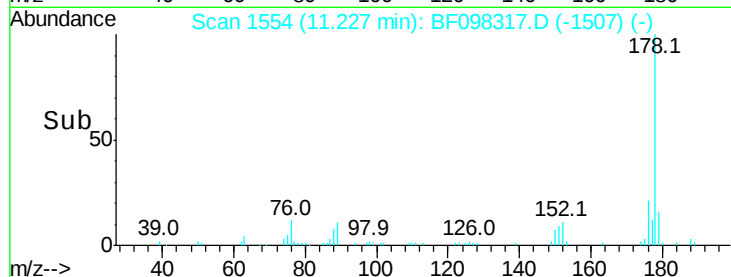
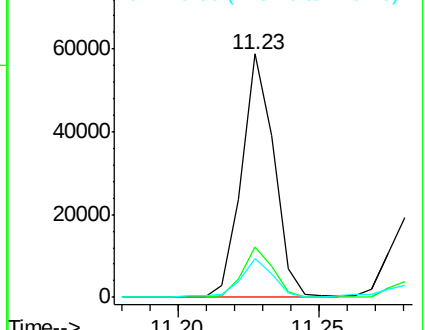
Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.2	24.4
179	15.7	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.495 ng

RT: 12.42 min Scan# 1756

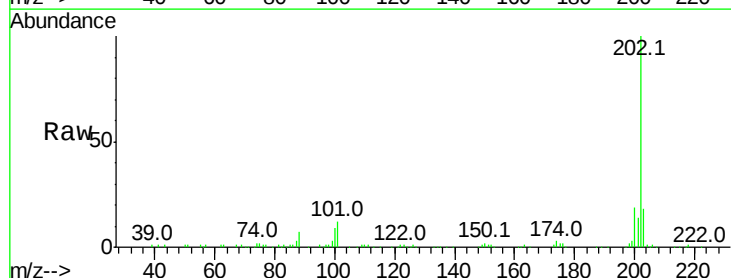
Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Tgt Ion:202 Resp: 107384

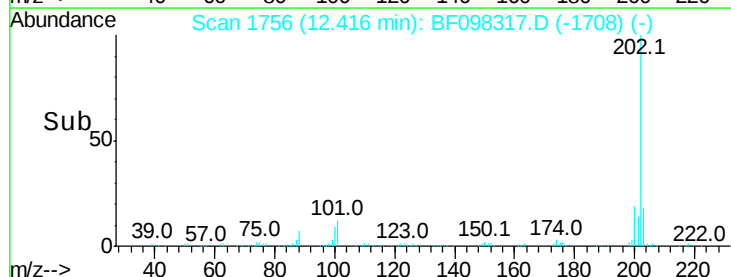
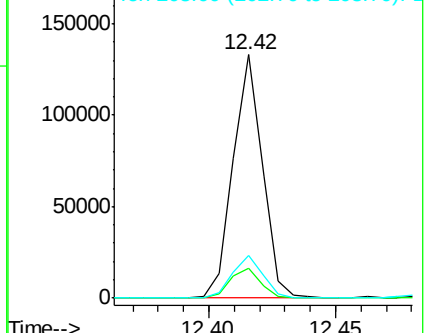
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.6	0.0	38.1

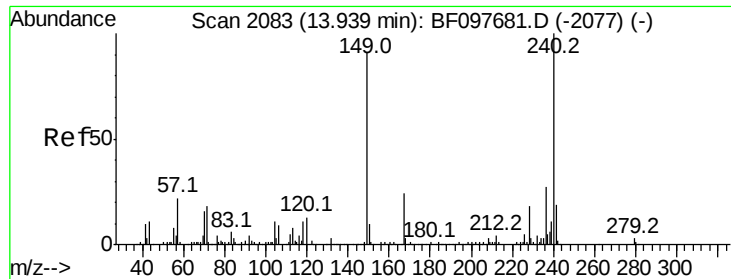


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

BNA_F

ClientSampleId :

AU-06-090117-C

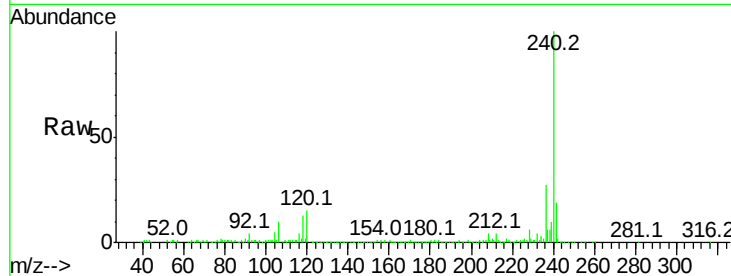
Tot Ion:240 Resp: 236023

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

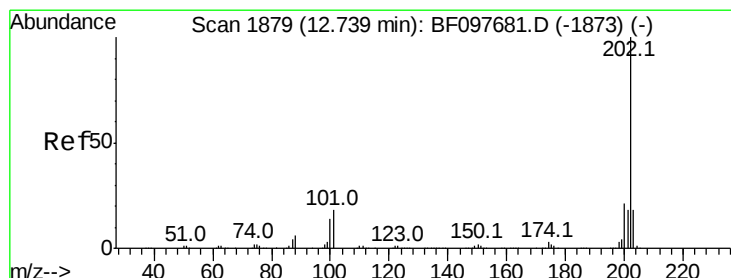
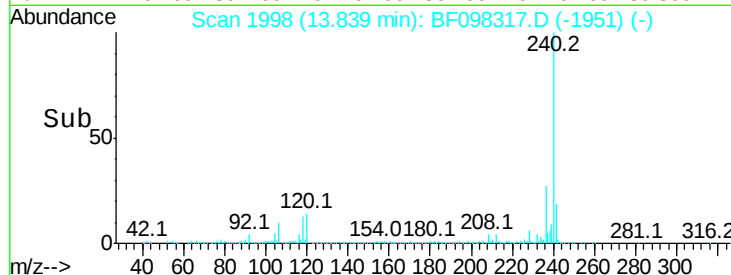
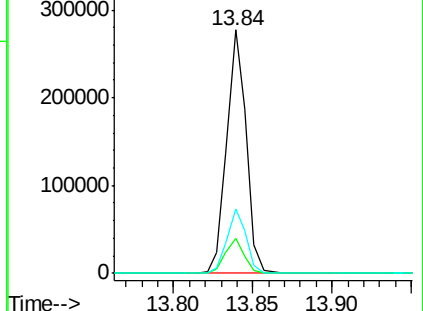
236 26.5 20.5 30.7



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: 6.027 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

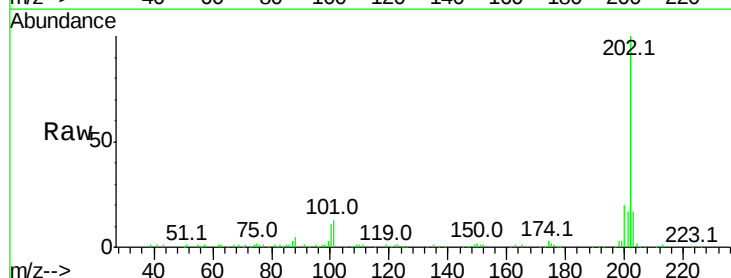
Tgt Ion:202 Resp: 116338

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

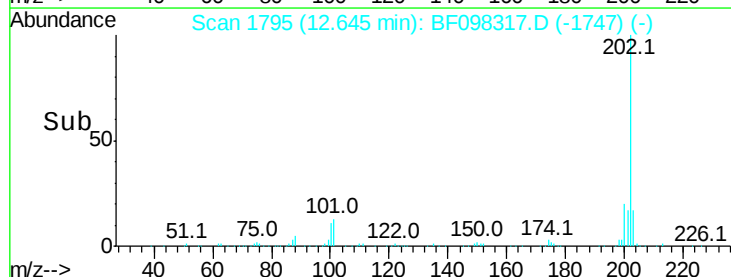
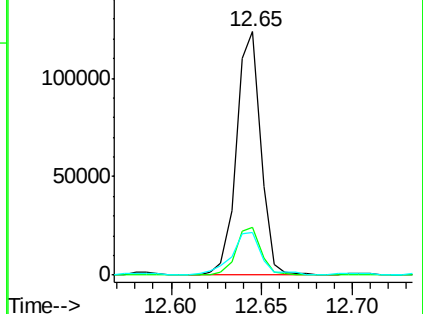
203 17.4 14.4 21.6

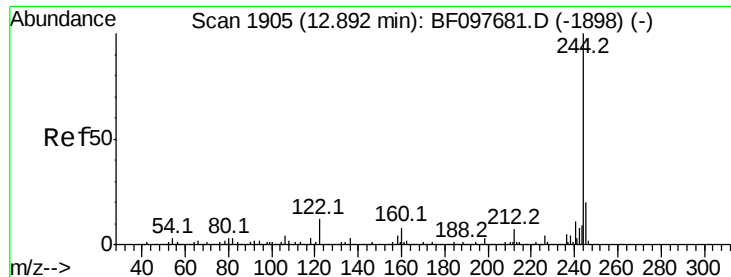


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.016 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

Instrument :

BNA_F

ClientSampleId :

AU-06-090117-C

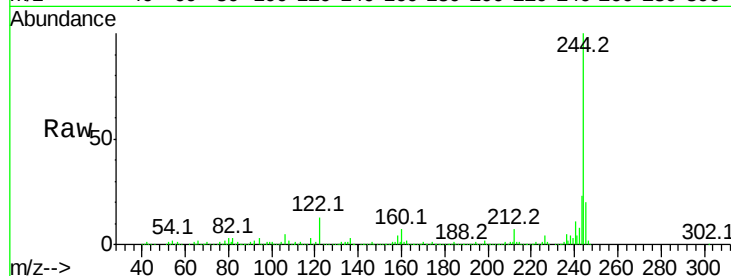
Tot Ion:244 Resp: 588726

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

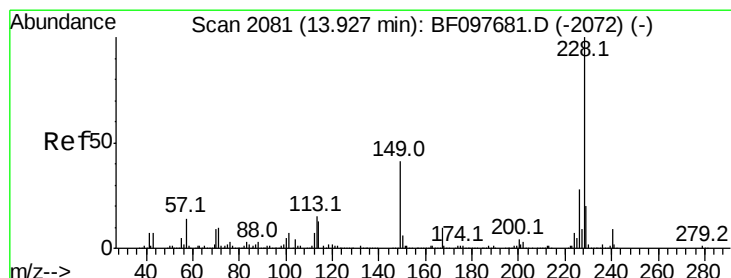
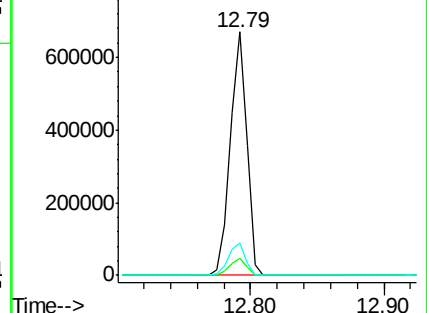
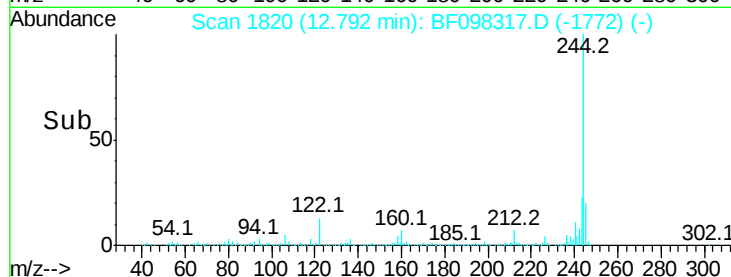
122 13.4 10.3 15.5



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: 4.185 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098317.D

Acq: 7 Sep 2017 16:52

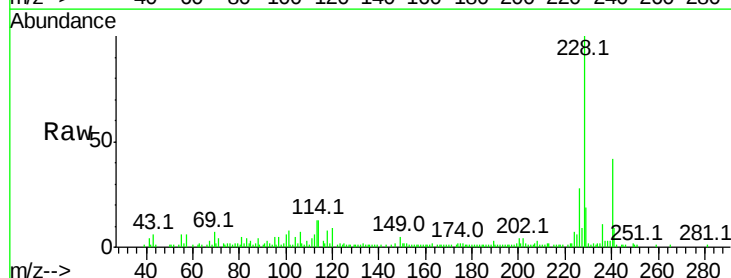
Tgt Ion:228 Resp: 59197

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

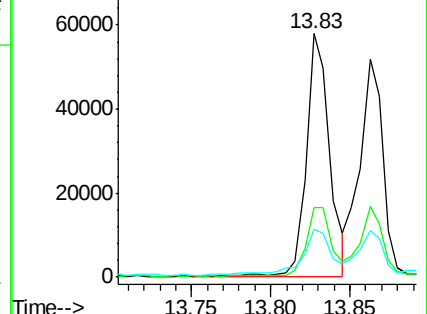
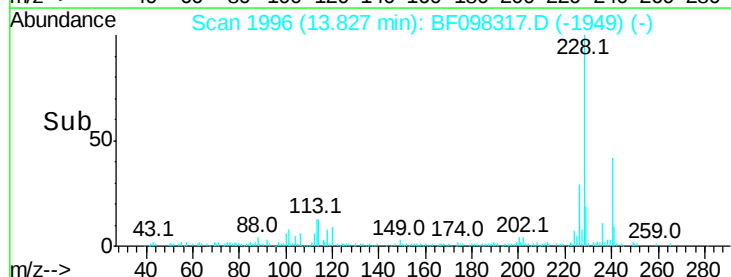
229 19.5 16.3 24.5

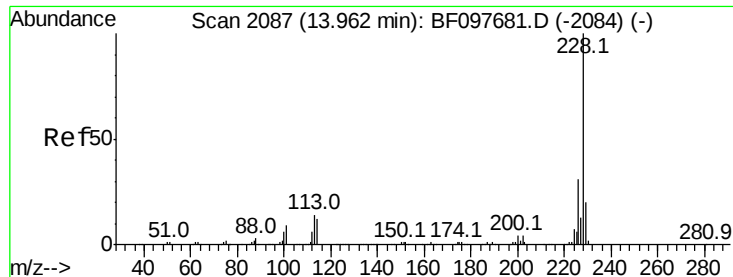


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

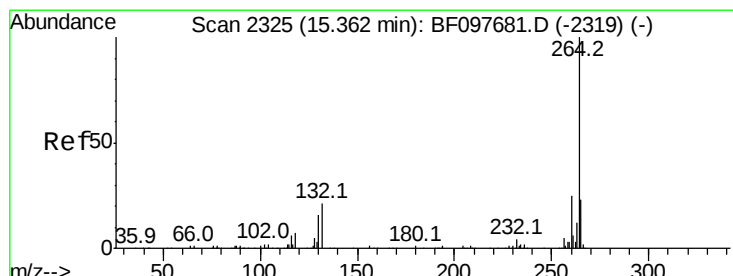
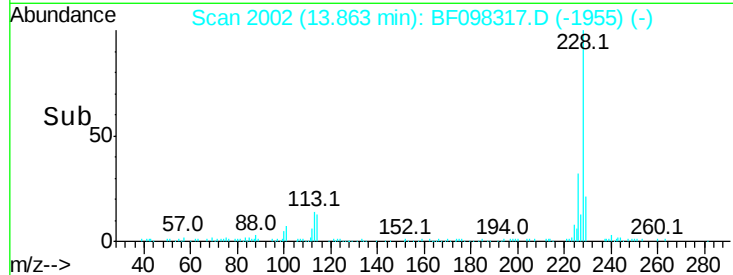
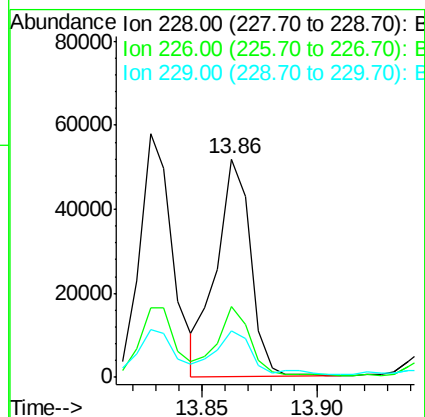
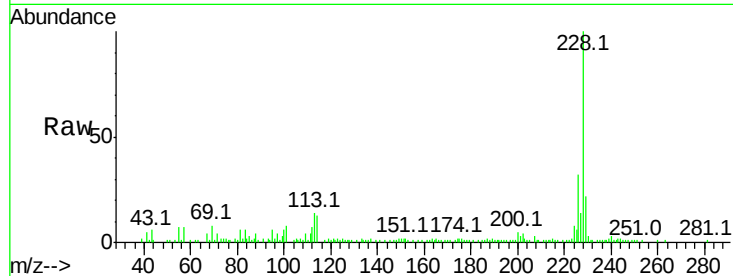




#82
Chrysene
Concen: 3.795 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

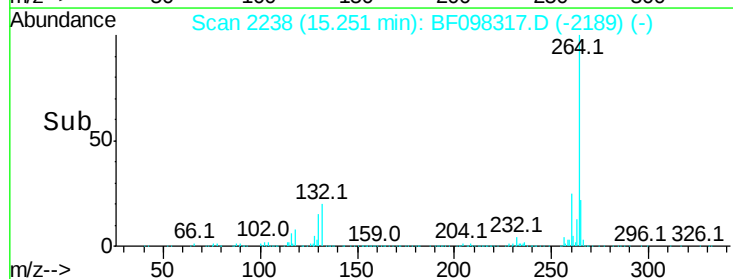
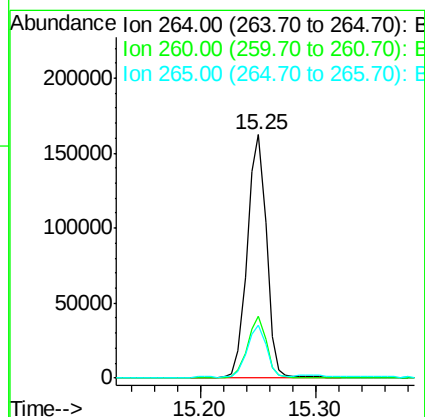
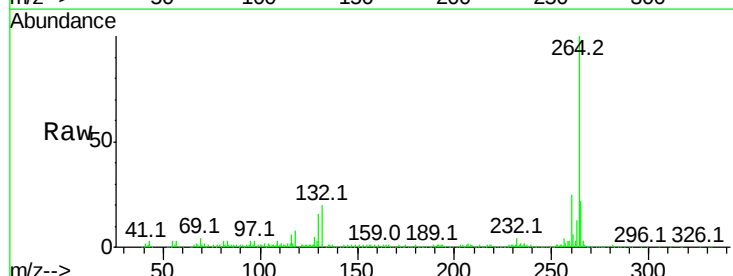
Instrument :
BNA_F
ClientSampleId :
AU-06-090117-C

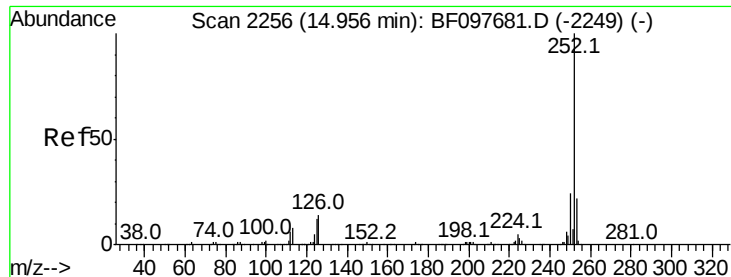
Tot Ion:228 Resp: 53402
Ion Ratio Lower Upper
228 100
226 32.3 24.9 37.3
229 21.5 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

Tgt Ion:264 Resp: 189328
Ion Ratio Lower Upper
264 100
260 25.3 19.5 29.3
265 21.8 17.2 25.8

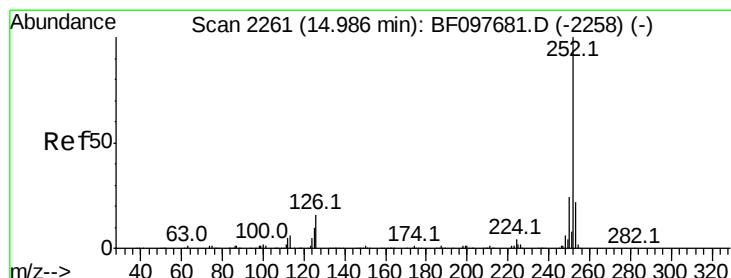
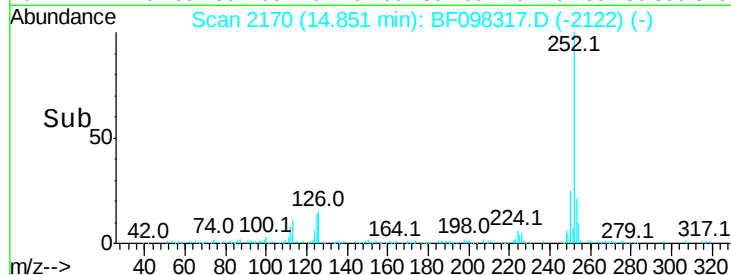
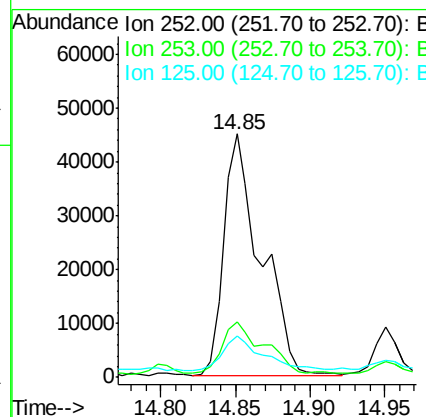
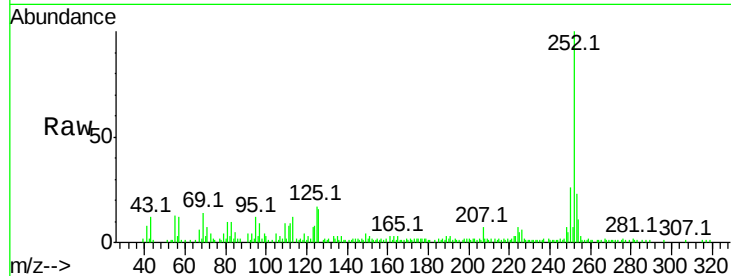




#87
Benzo(b)fluoranthene
Concen: 6.552 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

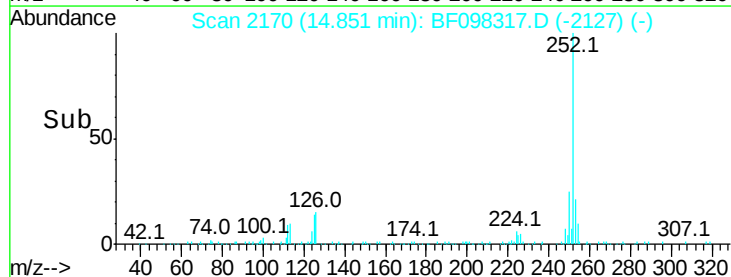
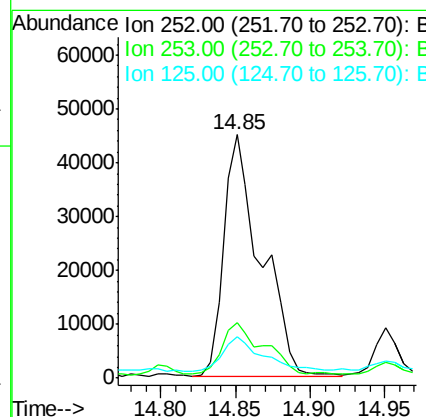
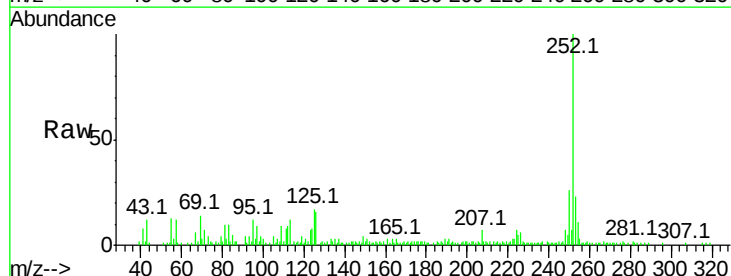
Instrument :
BNA_F
ClientSampleId :
AU-06-090117-C

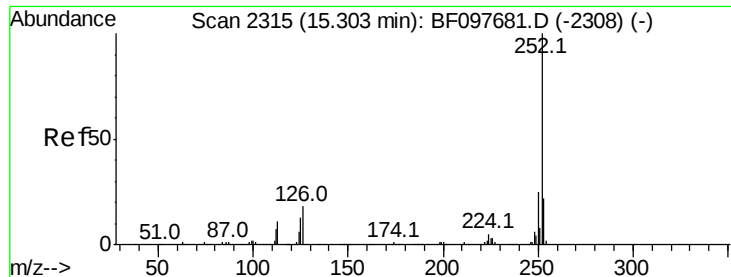
Tot Ion:252 Resp: 78196
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 16.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 6.974 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.05 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

Tgt Ion:252 Resp: 78196
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 16.9 13.1 19.7

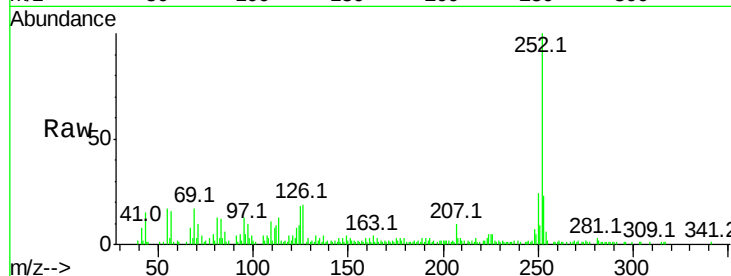




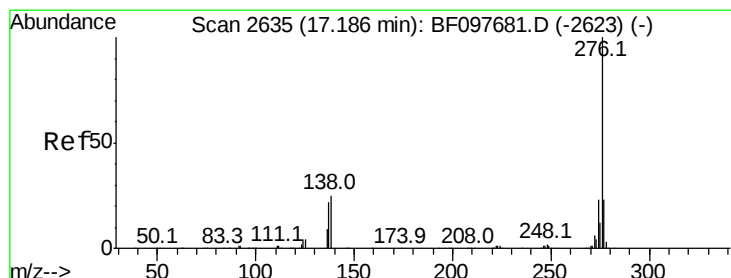
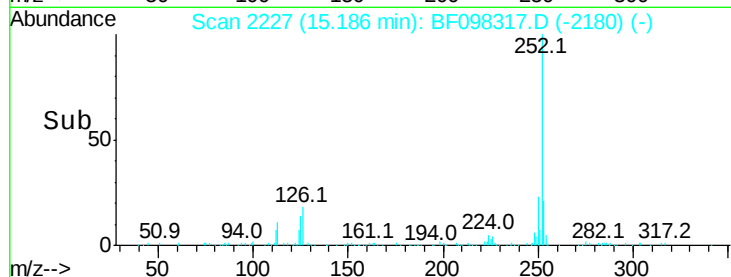
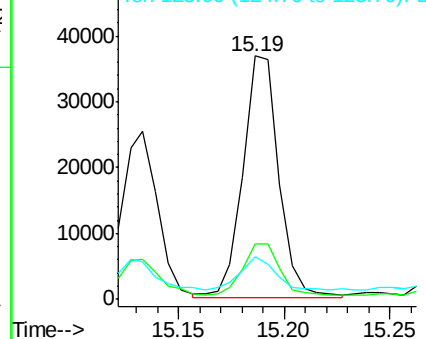
#89
Benzo(a)pyrene
Concen: 4.061 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

Instrument :
BNA_F
ClientSampleId :
AU-06-090117-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	17.7	11.0	16.4

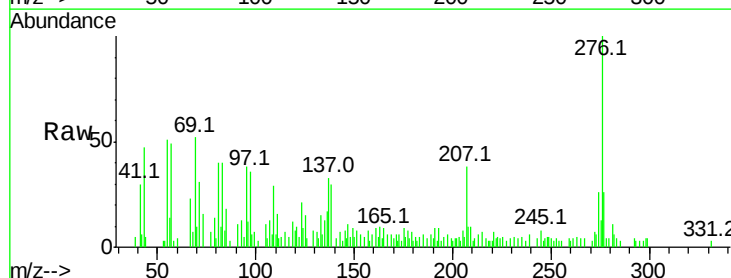


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.310 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.04 min
Lab File: BF098317.D
Acq: 7 Sep 2017 16:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	29.6	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

