

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098331.D
 Acq On : 7 Sep 2017 23:26
 Operator : SJ/JU
 Sample : I5071-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G61A-1.5-3

Quant Time: Sep 08 01:56:43 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	107370	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	397428	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	165399	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	292914	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	257868	20.00	ng	-0.02
86) Perylene-d12	15.26	264	173288	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	136004	19.27	ng	-0.02
7) Phenol-d6	6.33	99	186166	19.41	ng	-0.02
23) Nitrobenzene-d5	7.25	82	105782	14.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	22969	16.01	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	172676	15.34	ng	-0.02
78) Terphenyl-d14	12.79	244	128003	10.35	ng	-0.02

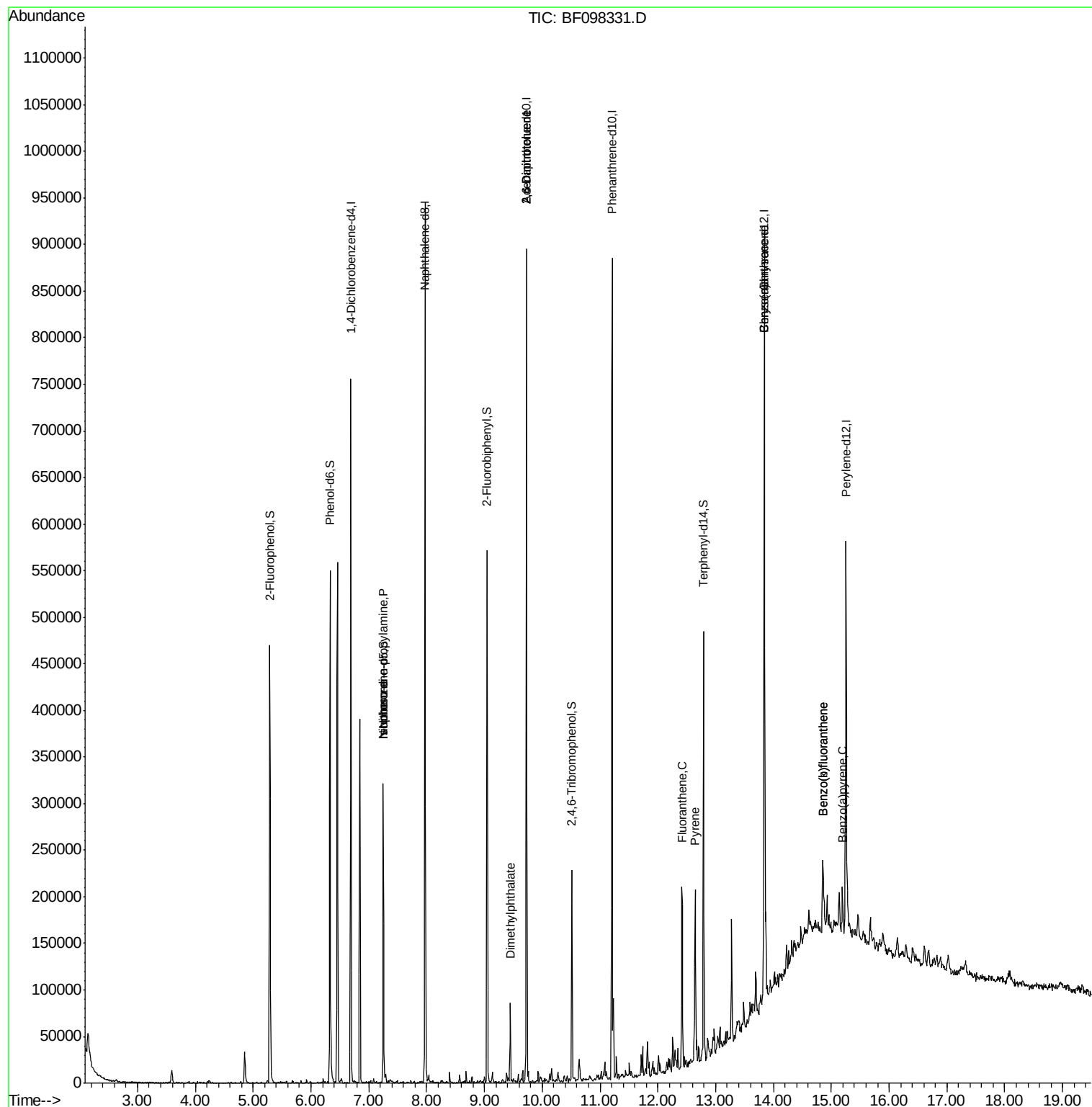
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	13569	2.067	ng	# 75
25) Isophorone	7.25	82	105598	6.942	ng	# 67
49) Dimethylphthalate	9.45	163	26561	2.197	ng	99
50) 2,6-Dinitrotoluene	9.73	165	21009	8.705	ng	# 34
56) 2,4-Dinitrotoluene	9.73	165	21009	6.937	ng	# 33
74) Fluoranthene	12.42	202	73311	4.500	ng	96
77) Pyrene	12.65	202	69247	3.283	ng	97
80) Benzo(a)anthracene	13.83	228	32851	2.126	ng	98
82) Chrysene	13.83	228	32851	2.137	ng	98
87) Benzo(b)fluoranthene	14.85	252	45769	4.190	ng	# 90
88) Benzo(k)fluoranthene	14.85	252	45769	4.460	ng	94
89) Benzo(a)pyrene	15.19	252	20553	2.125	ng	# 86

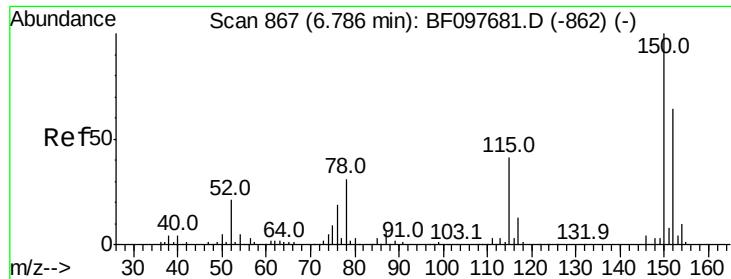
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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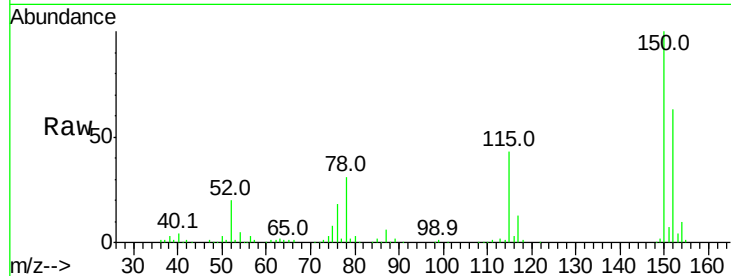


#1

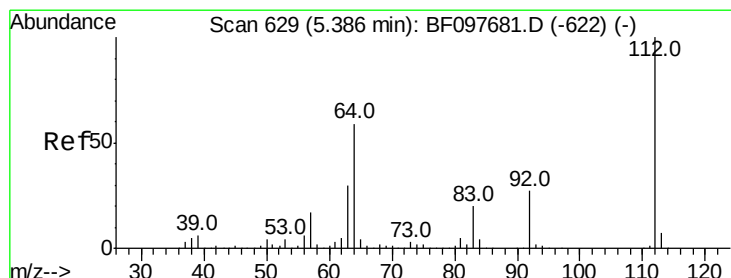
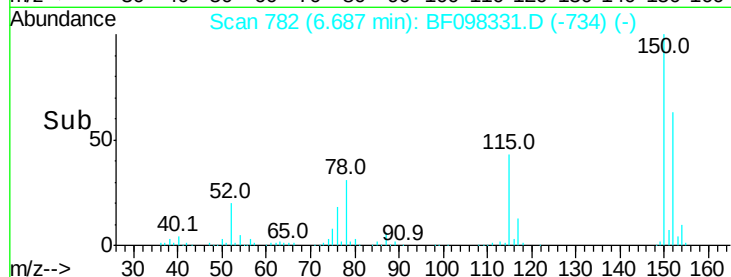
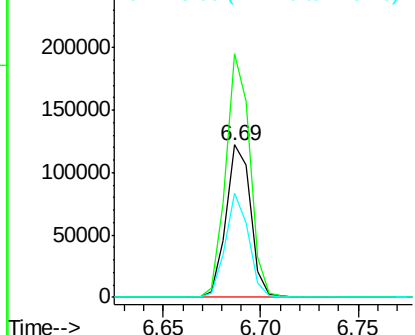
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF098331.D
 Acq: 7 Sep 2017 23:26

Instrument :
 BNA_F
 ClientSampleId :
 G61A-1.5-3

Tot Ion:152 Resp: 107370
 Ion Ratio Lower Upper
 152 100
 150 159.9 126.2 189.2
 115 68.1 52.2 78.2



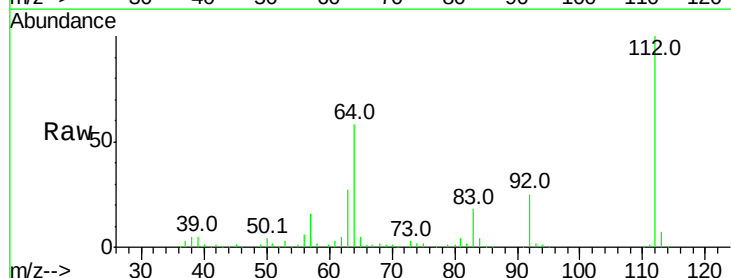
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



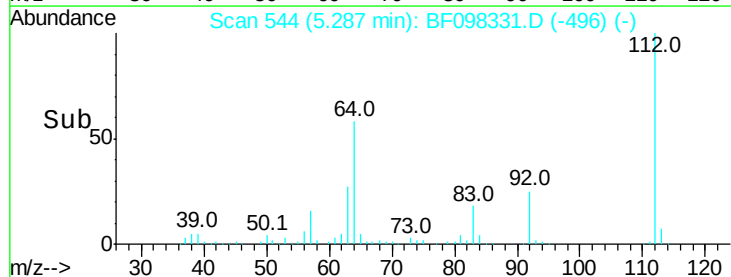
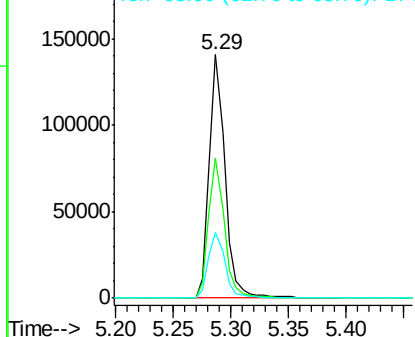
#5

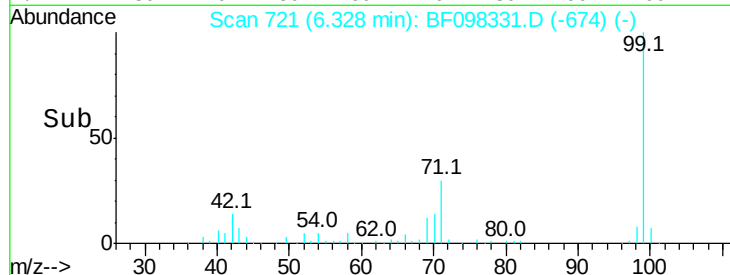
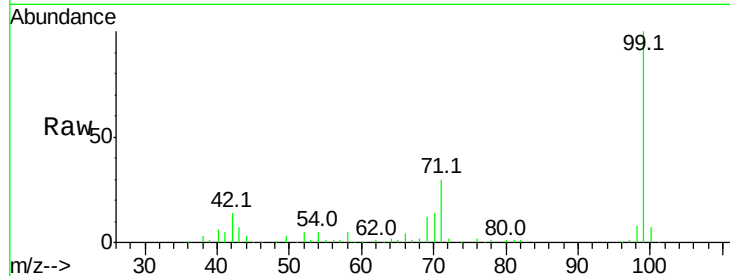
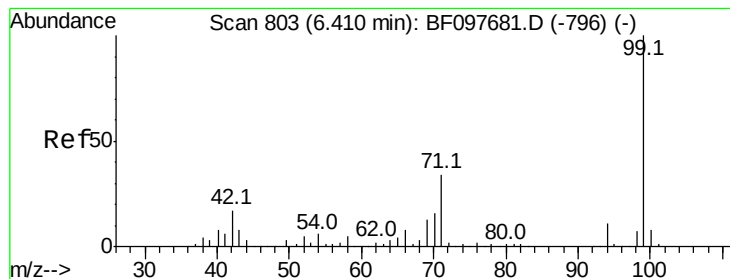
2-Fluorophenol
 Concen: 19.267 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF098331.D
 Acq: 7 Sep 2017 23:26

Tgt Ion:112 Resp: 136004
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.0 69.0
 63 27.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.411 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

Instrument :

BNA_F

ClientSampleId :

G61A-1.5-3

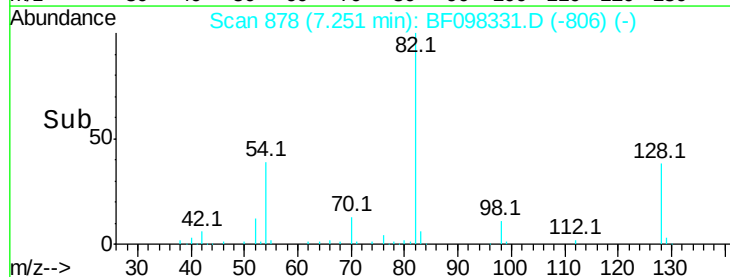
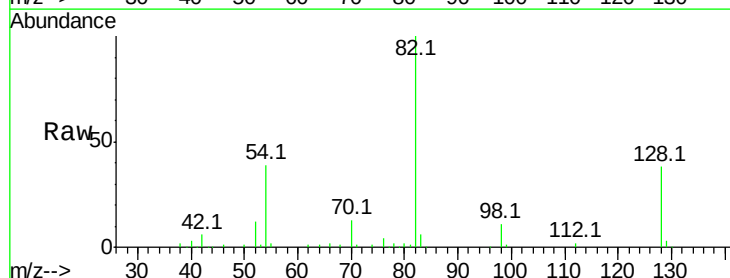
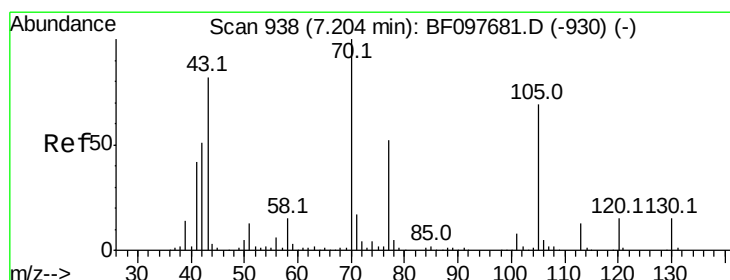
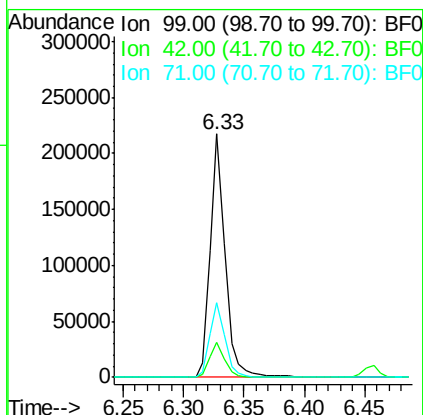
Tot Ion: 99 Resp: 186166

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

71 30.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.067 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

Tgt Ion: 70 Resp: 13569

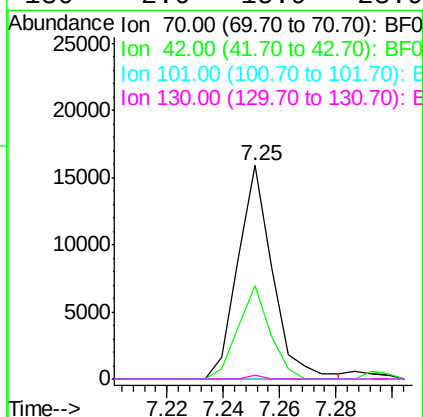
Ion Ratio Lower Upper

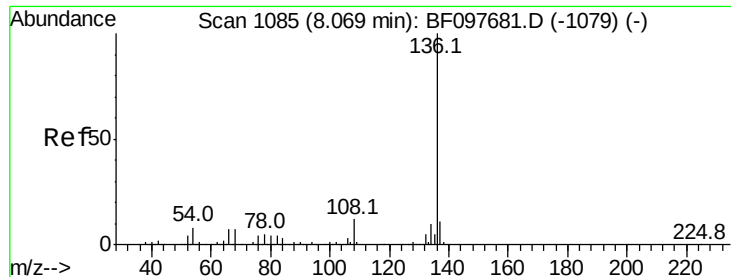
70 100

42 43.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

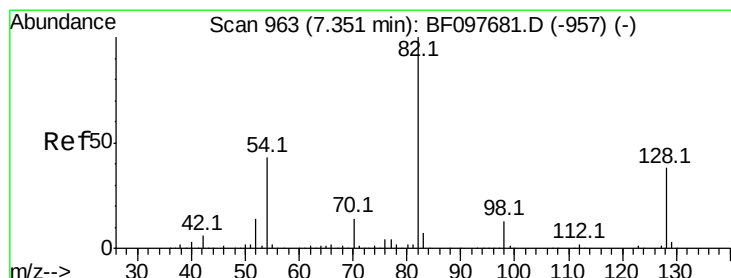
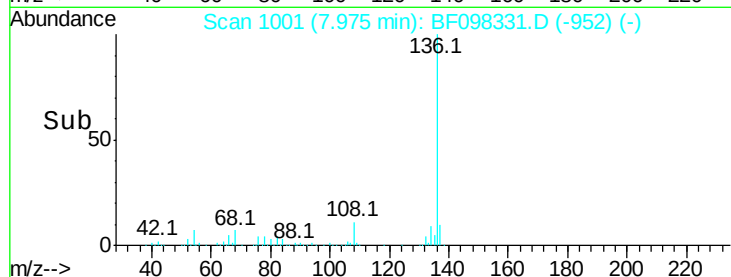
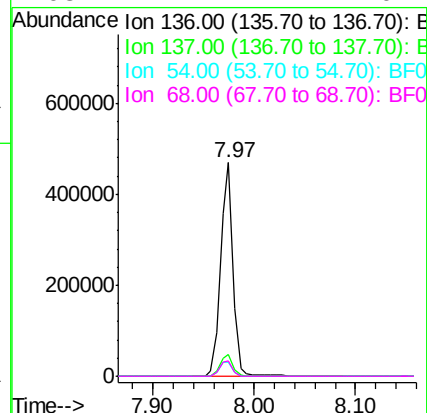
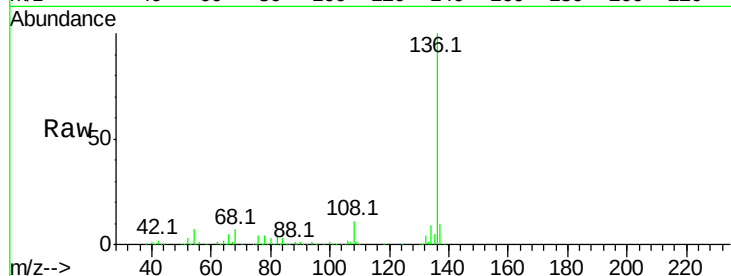




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

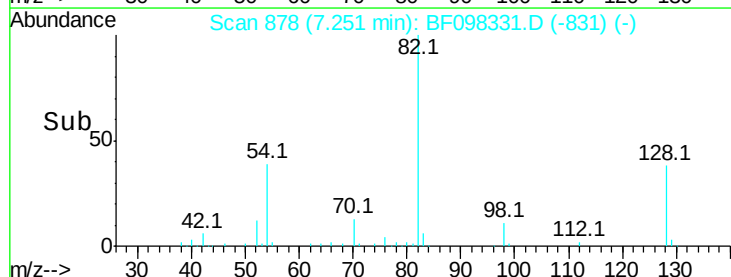
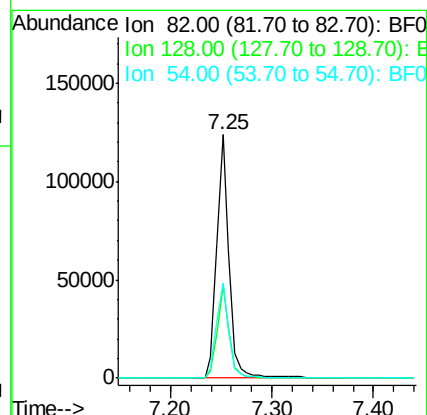
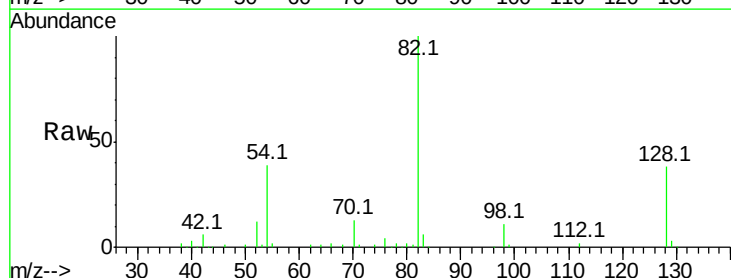
Instrument :
BNA_F
ClientSampleId :
G61A-1.5-3

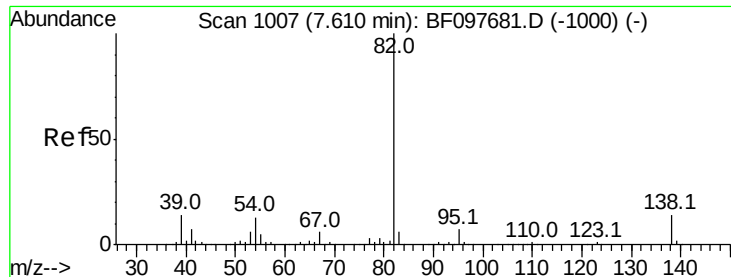
Tot Ion:	136	Resp:	397428
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	6.8	4.9	7.3
68	7.1	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 14.459 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

Tgt Ion:	82	Resp:	105782
Ion	Ratio	Lower	Upper
82	100		
128	38.0	34.0	51.0
54	39.2	42.2	63.2#

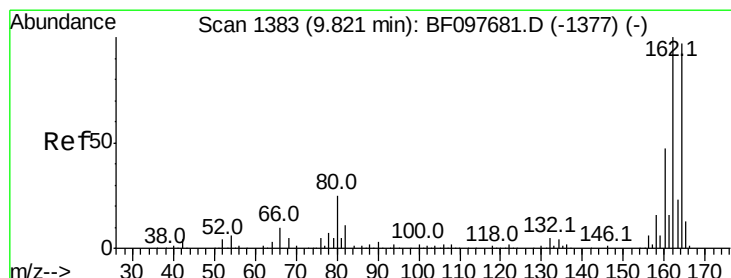
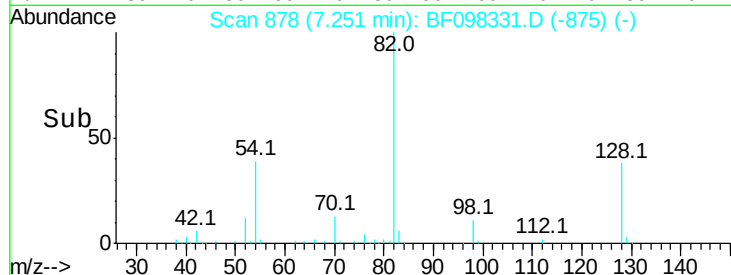
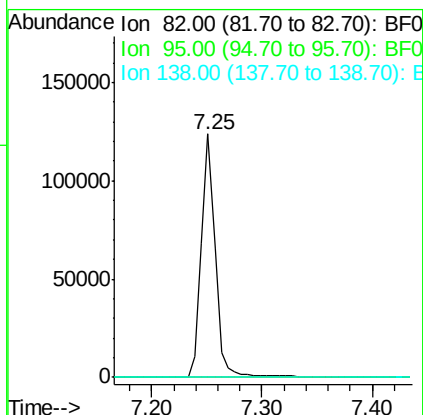
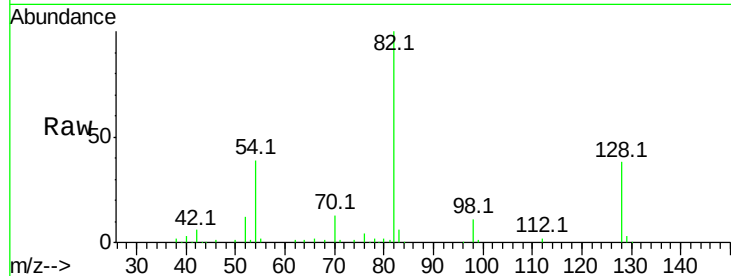




#25
Isophorone
Concen: 6.942 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

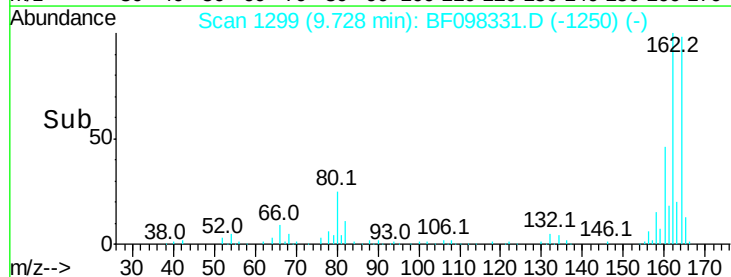
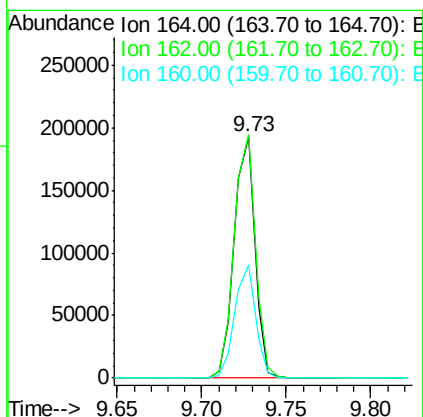
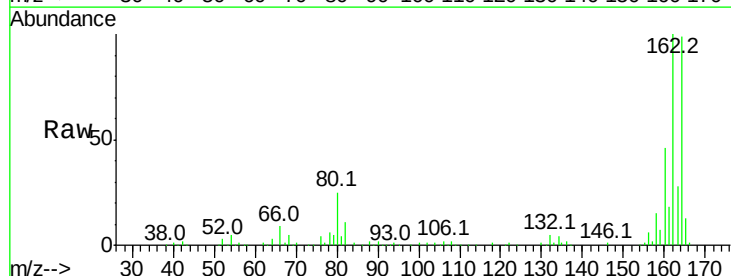
Instrument :
BNA_F
ClientSampleId :
G61A-1.5-3

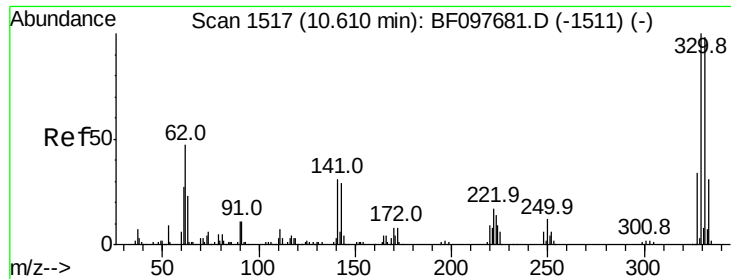
Tot Ion: 82 Resp: 105598
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

Tgt Ion: 164 Resp: 165399
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 46.9 36.2 54.2

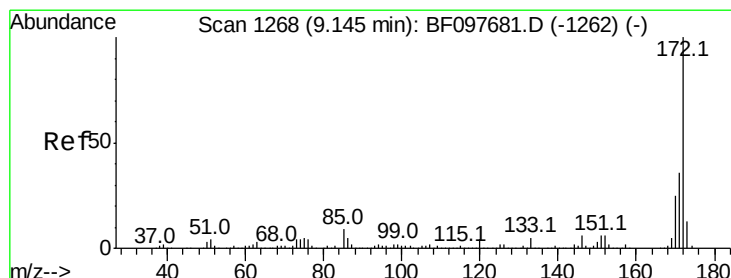
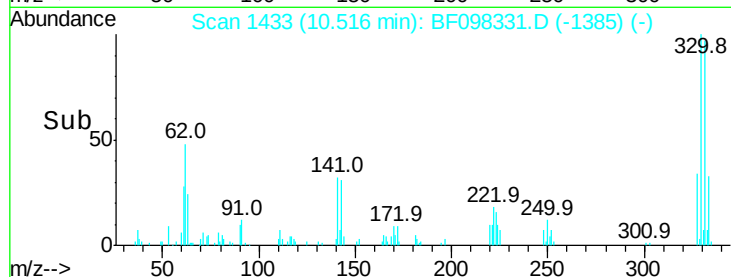
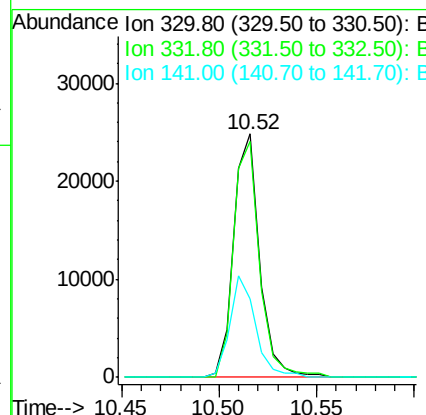
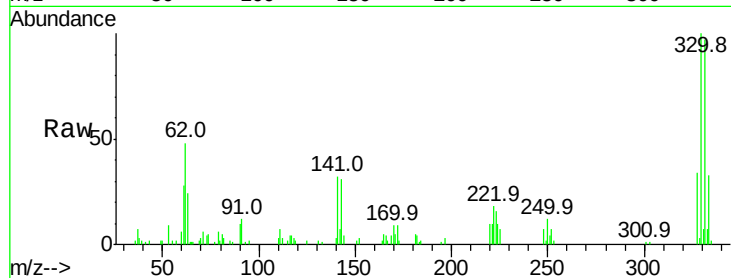




#41
 2,4,6-Tribromophenol
 Concen: 16.005 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098331.D
 Acq: 7 Sep 2017 23:26

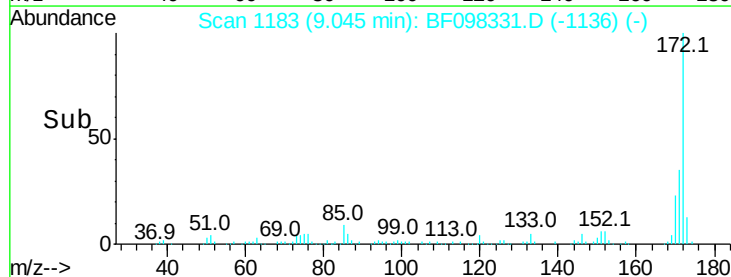
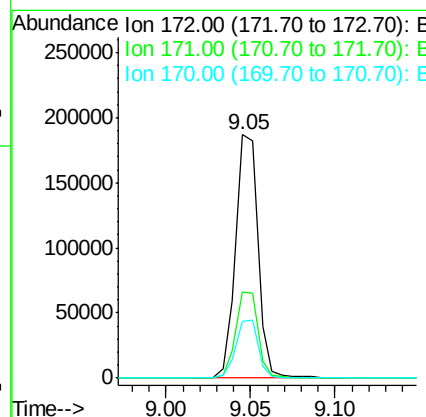
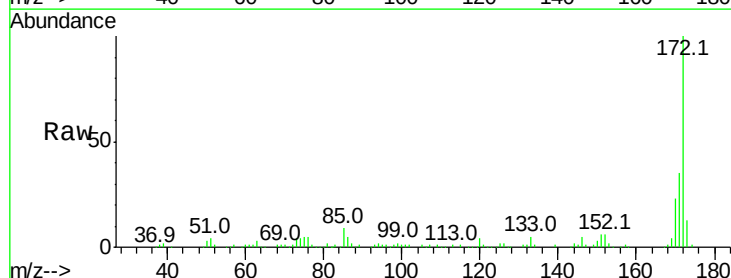
Instrument :
 BNA_F
 ClientSampleId :
 G61A-1.5-3

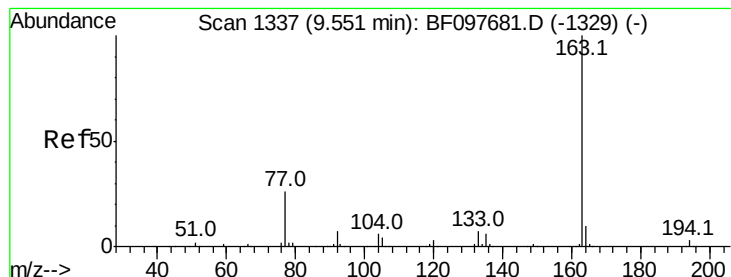
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	41.3	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 15.338 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF098331.D
 Acq: 7 Sep 2017 23:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.5	19.8	29.8





#49

Dimethylphthalate

Concen: 2.197 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

Instrument :

BNA_F

ClientSampleId :

G61A-1.5-3

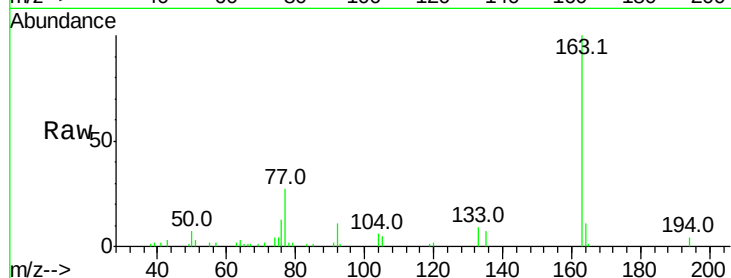
Tot Ion:163 Resp: 26561

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

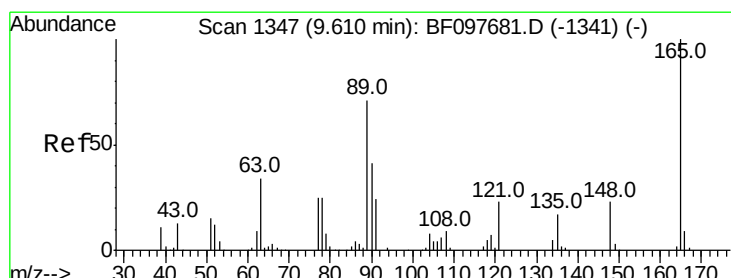
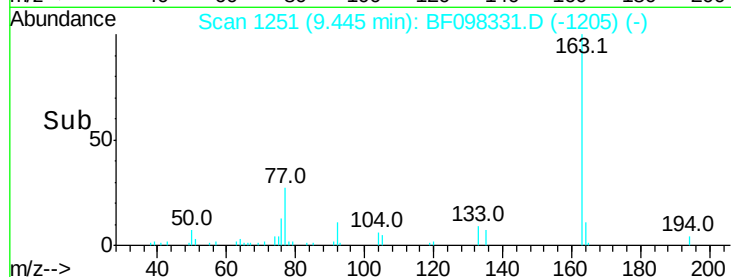
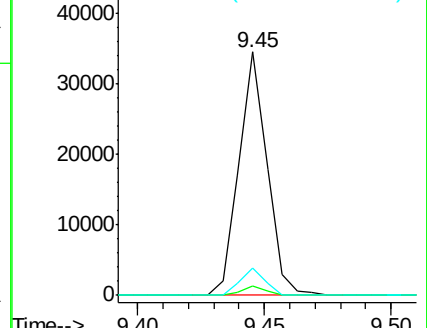
164 11.0 8.4 12.6



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: 8.705 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.19 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

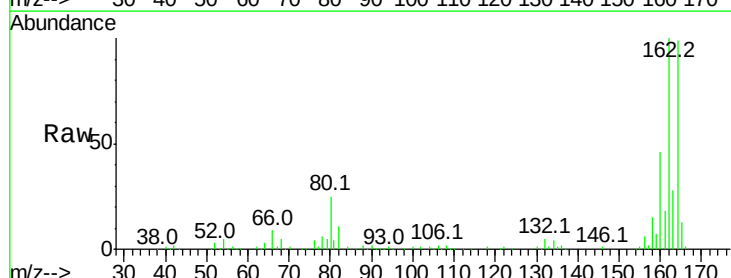
Tgt Ion:165 Resp: 21009

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

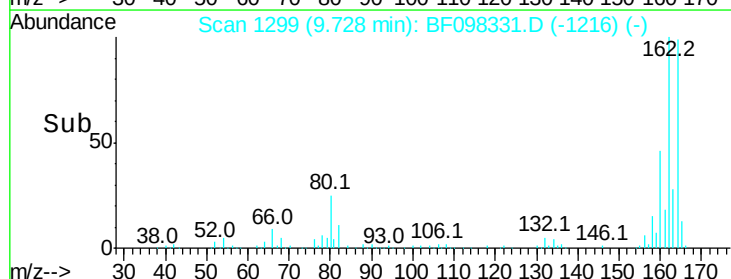
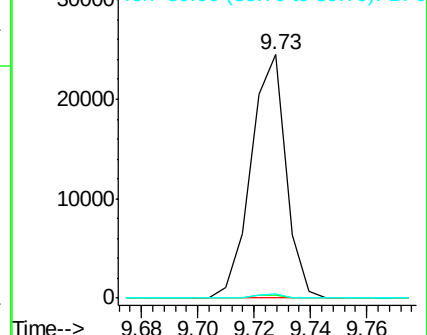
89 1.9 37.1 55.7#

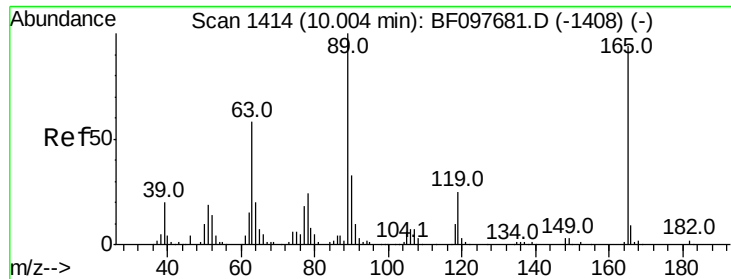


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.937 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

Instrument :

BNA_F

ClientSampleId :

G61A-1.5-3

Tot Ion:165 Resp: 21009

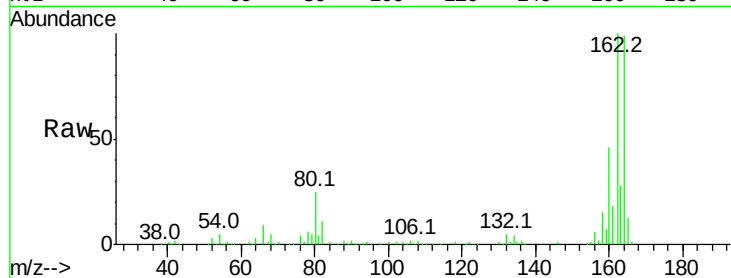
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

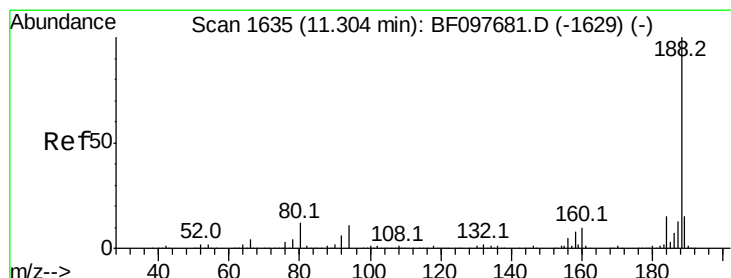
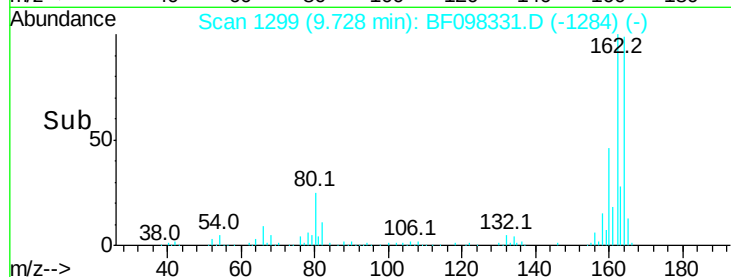
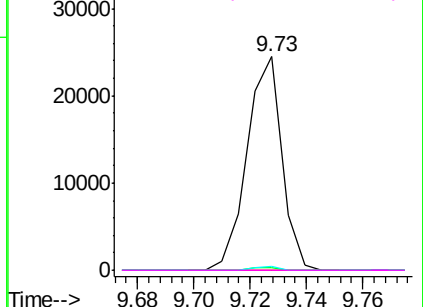


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

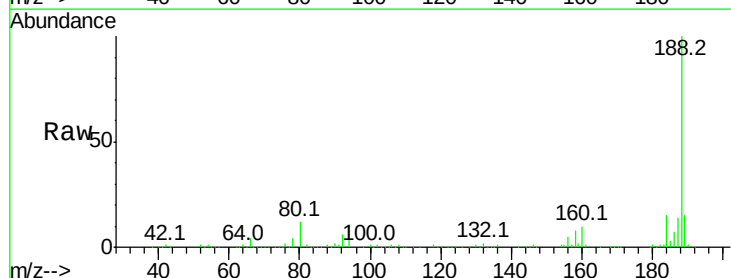
Tgt Ion:188 Resp: 292914

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

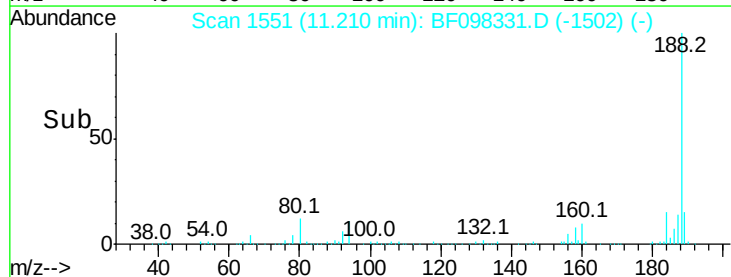
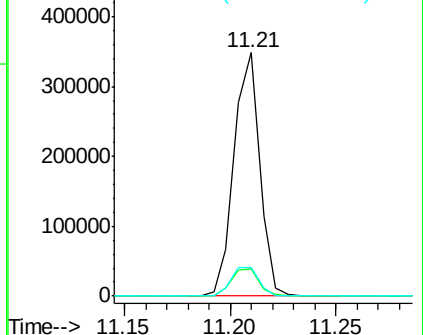
80 11.7 10.2 15.2

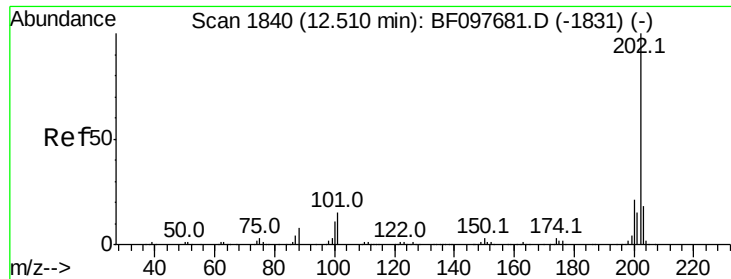


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

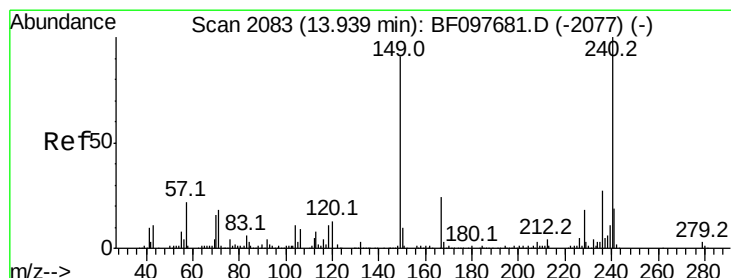
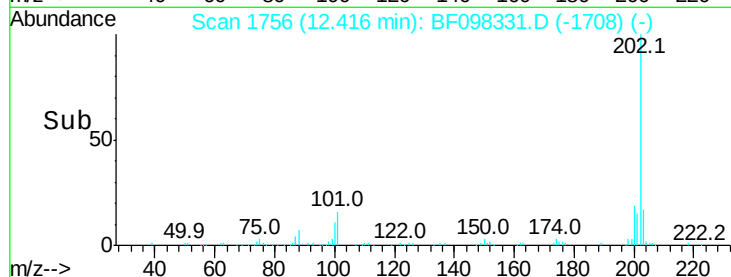
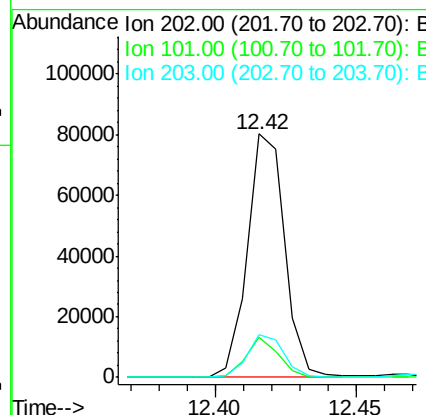
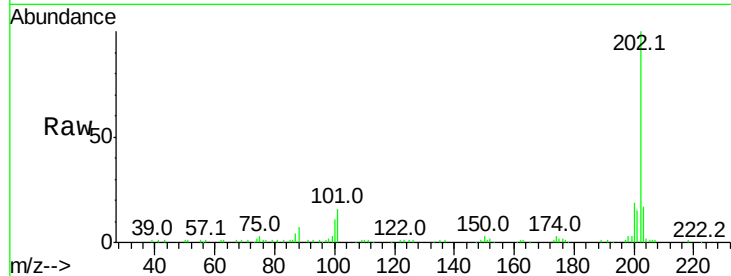




#74
Fluoranthene
Concen: 4.500 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.02 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

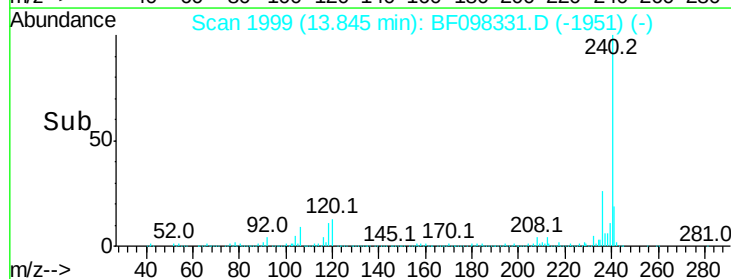
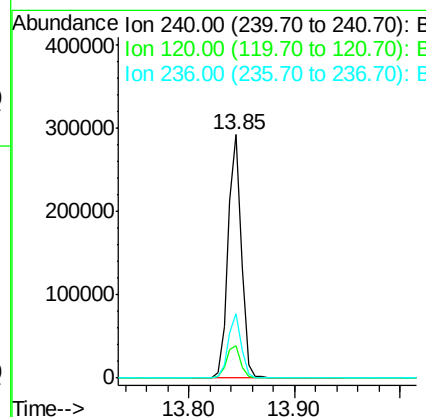
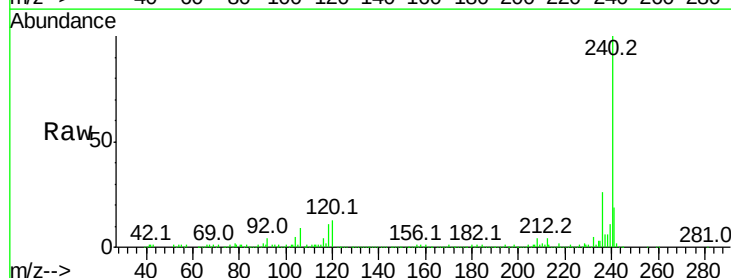
Instrument :
BNA_F
ClientSampleId :
G61A-1.5-3

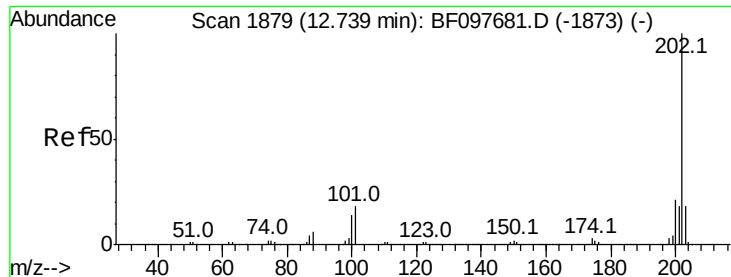
Tot Ion:202 Resp: 73311
Ion Ratio Lower Upper
202 100
101 16.4 0.0 33.2
203 17.4 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

Tgt Ion:240 Resp: 257868
Ion Ratio Lower Upper
240 100
120 13.3 5.8 8.8#
236 26.3 20.5 30.7

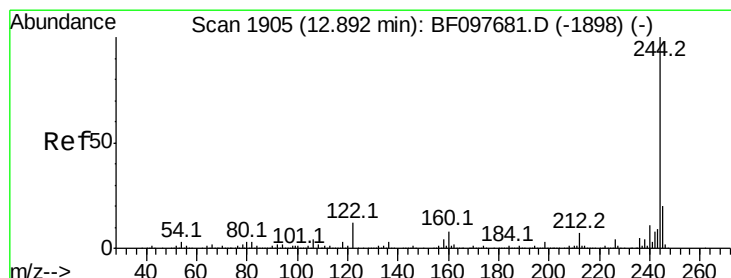
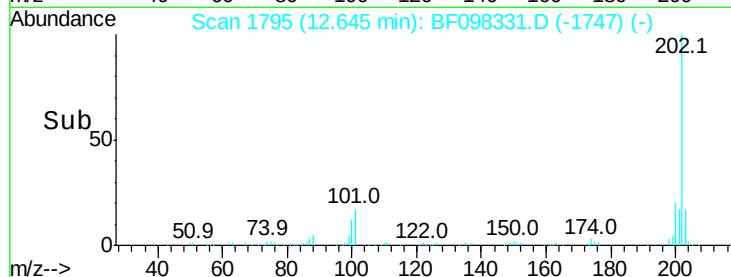
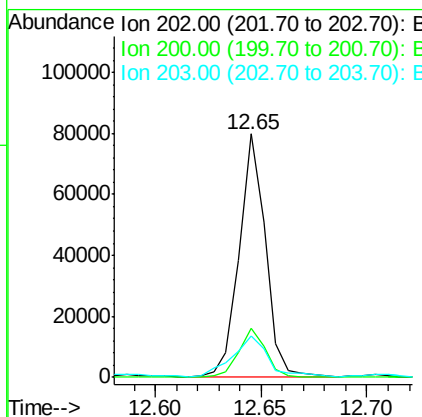
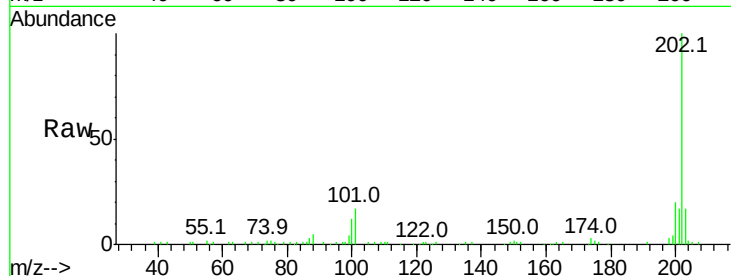




#77
 Pvrene
 Concen: 3.283 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.02 min
 Lab File: BF098331.D
 Acq: 7 Sep 2017 23:26

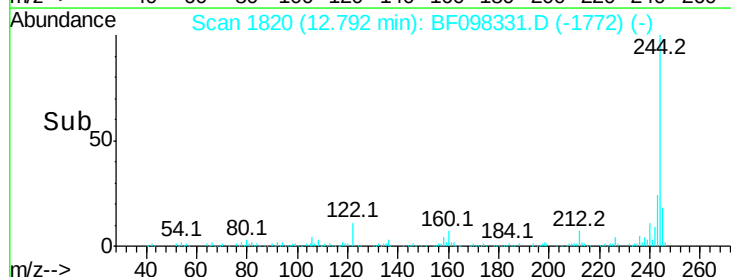
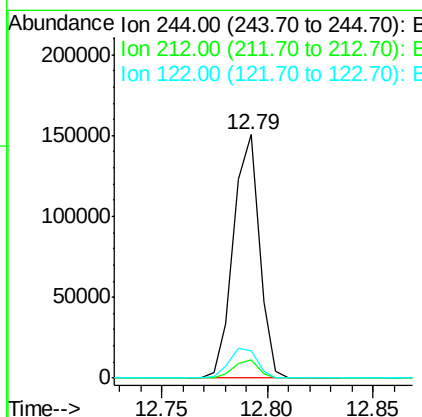
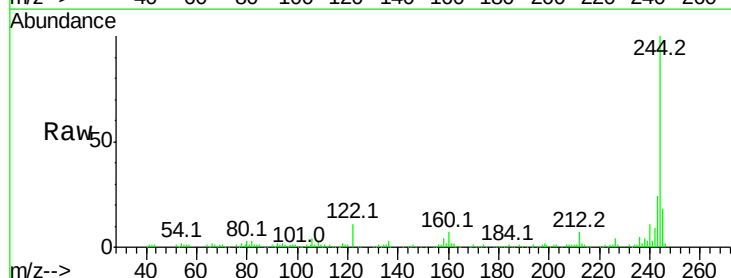
Instrument :
 BNA_F
 ClientSampleId :
 G61A-1.5-3

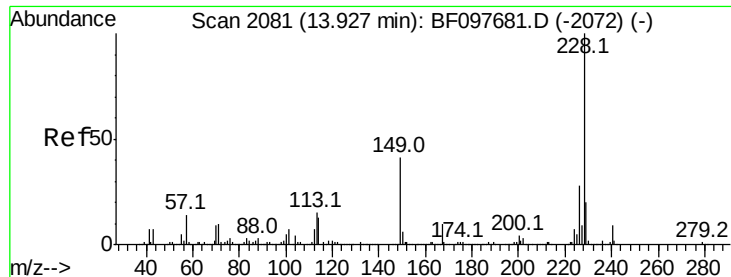
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	17.1	14.4	21.6



#78
 Terphenyl-d14
 Concen: 10.351 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.02 min
 Lab File: BF098331.D
 Acq: 7 Sep 2017 23:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	11.0	10.3	15.5





#80

Benzo(a)anthracene

Concen: 2.126 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

Instrument :

BNA_F

ClientSampleId :

G61A-1.5-3

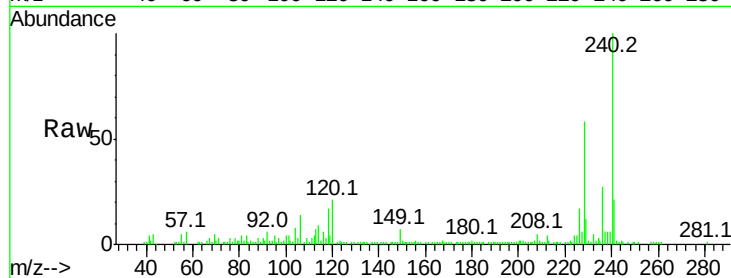
Tot Ion:228 Resp: 32851

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

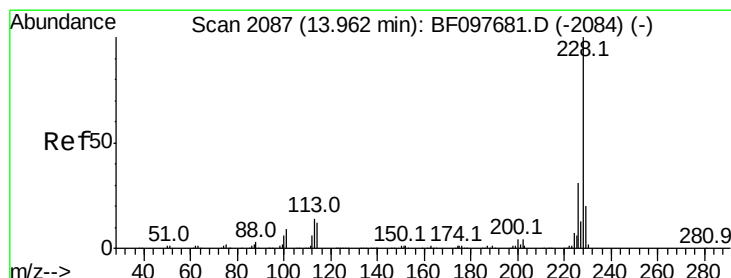
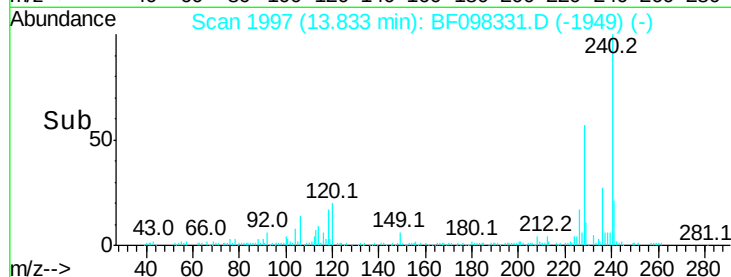
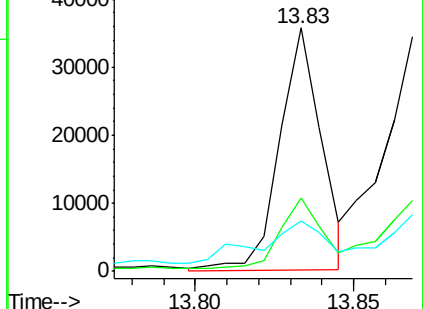
229 20.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.137 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.05 min

Lab File: BF098331.D

Acq: 7 Sep 2017 23:26

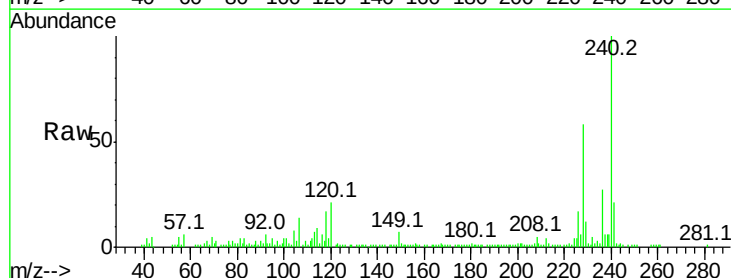
Tgt Ion:228 Resp: 32851

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

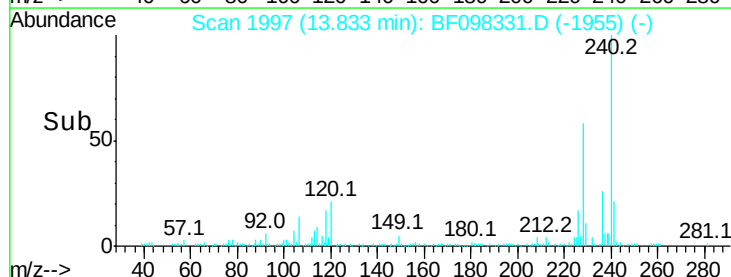
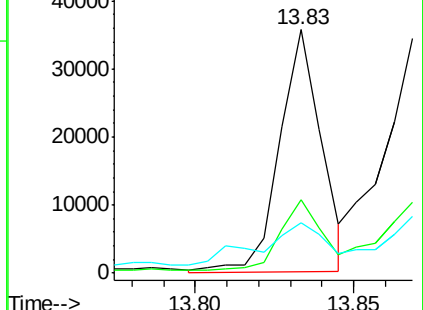
229 20.6 15.8 23.6

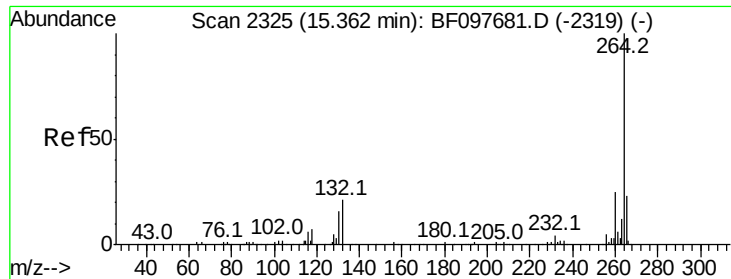


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

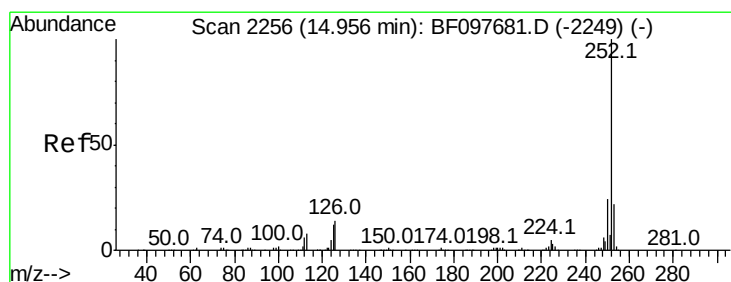
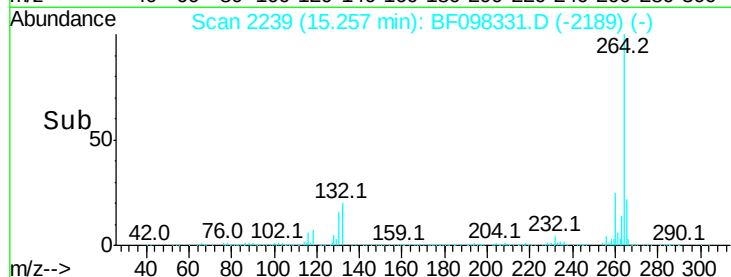
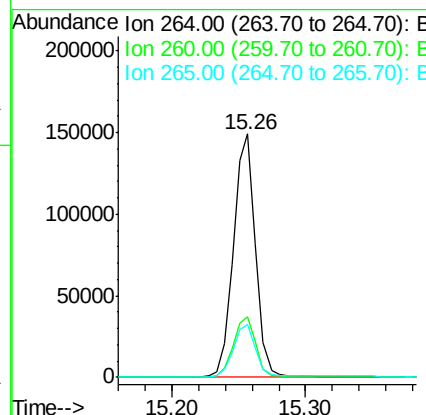
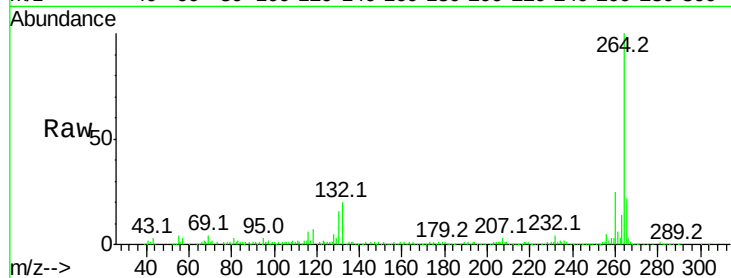




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

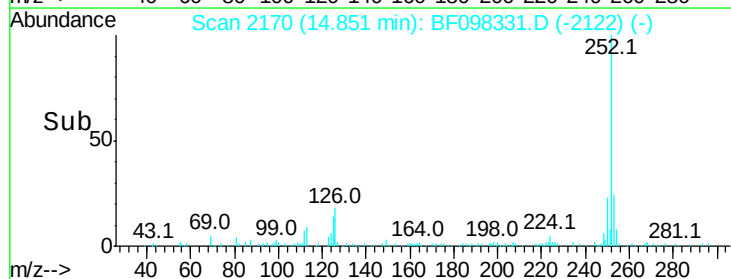
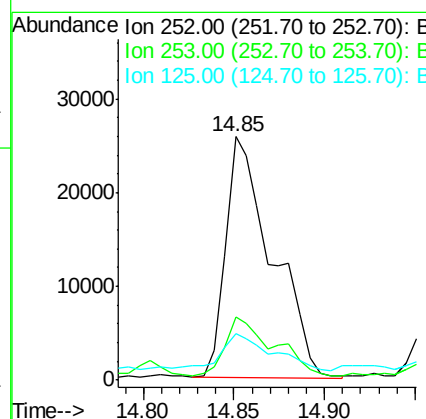
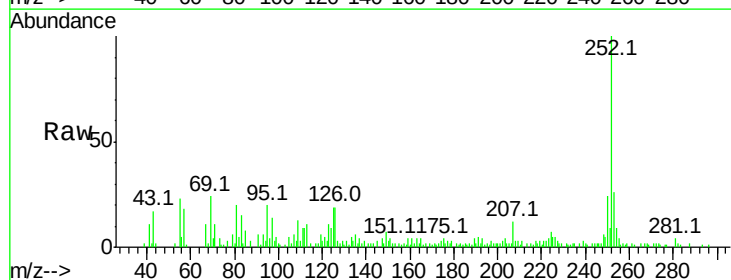
Instrument :
BNA_F
ClientSampleId :
G61A-1.5-3

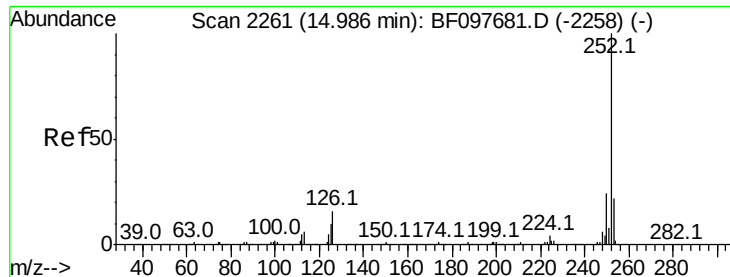
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 4.190 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	18.9	9.8	14.8#

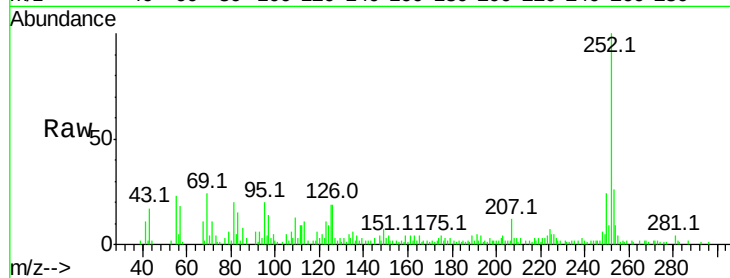




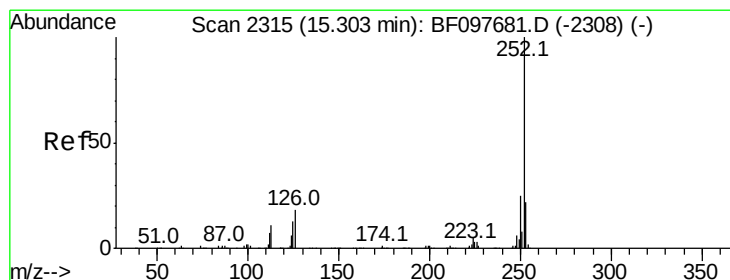
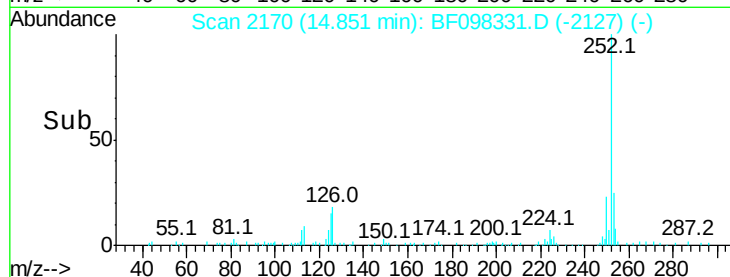
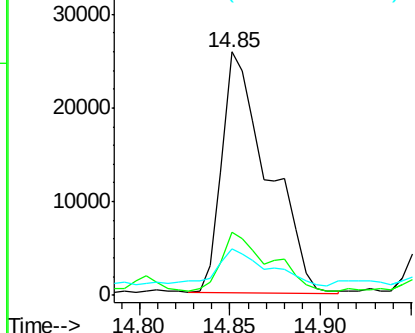
#88
Benzo(k)fluoranthene
Concen: 4.460 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.05 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

Instrument :
BNA_F
ClientSampleId :
G61A-1.5-3

Tot Ion:252 Resp: 45769
Ion Ratio Lower Upper
252 100
253 26.0 18.4 27.6
125 18.9 13.1 19.7

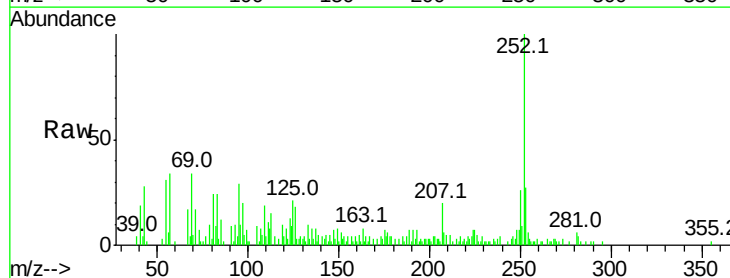


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.125 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098331.D
Acq: 7 Sep 2017 23:26

Tgt Ion:252 Resp: 20553
Ion Ratio Lower Upper
252 100
253 27.4 17.5 26.3#
125 20.9 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

