

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098359.D
 Acq On : 8 Sep 2017 19:15
 Operator : SJ/JU
 Sample : I5071-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G58A-0-2.5

Quant Time: Sep 08 23:59:21 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

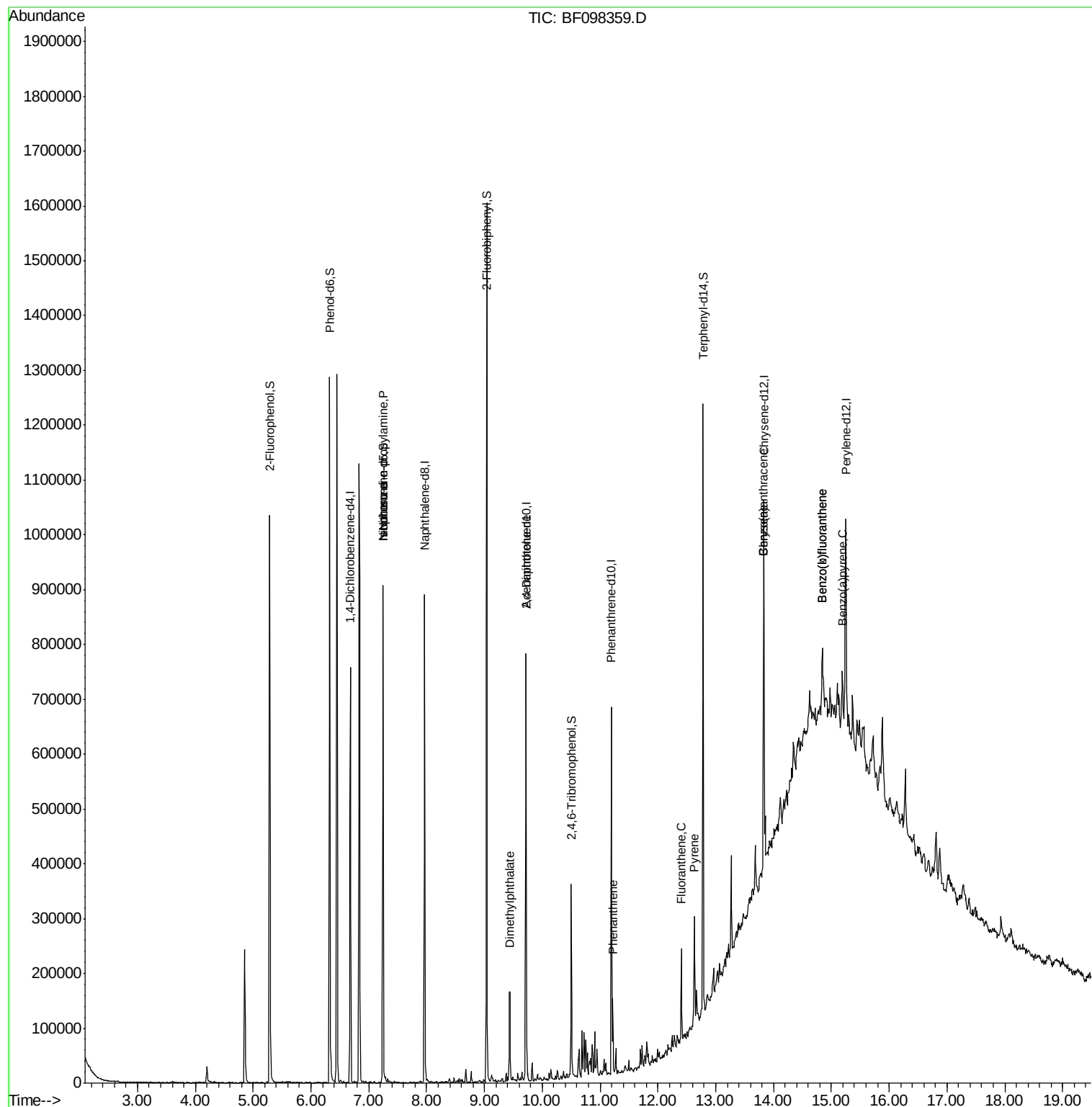
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	100426	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	361884	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	134661	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	217687	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	215227	20.00	ng	-0.03
86) Perylene-d12	15.24	264	163309	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	318334	48.22	ng	-0.02
7) Phenol-d6	6.32	99	465090	51.85	ng	-0.03
23) Nitrobenzene-d5	7.25	82	297623	44.68	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	37342	31.96	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	447379	48.81	ng	-0.03
78) Terphenyl-d14	12.78	244	310617	30.10	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	37637	6.129	ng	# 71
25) Isophorone	7.25	82	297621	21.486	ng	# 67
49) Dimethylphthalate	9.44	163	63791	6.481	ng	100
56) 2,4-Dinitrotoluene	9.72	165	17322	7.025	ng	# 32
70) Phenanthrene	11.22	178	44463	3.833	ng	99
74) Fluoranthene	12.41	202	68461	5.654	ng	98
77) Pyrene	12.63	202	76006	4.318	ng	98
80) Benzo(a)anthracene	13.82	228	41742	3.236	ng	96
82) Chrysene	13.82	228	41742	3.253	ng	98
87) Benzo(b)fluoranthene	14.84	252	54623	5.306	ng	# 72
88) Benzo(k)fluoranthene	14.84	252	54623	5.648	ng	# 76
89) Benzo(a)pyrene	15.19	252	26095	2.864	ng	# 75

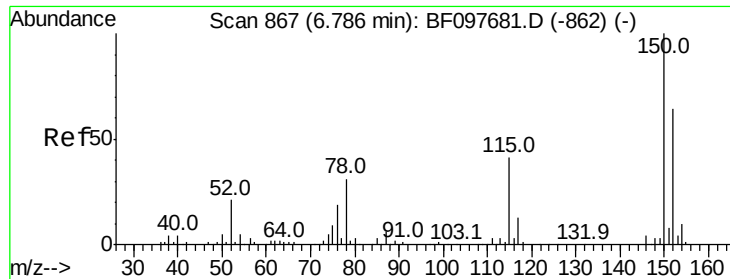
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090817\
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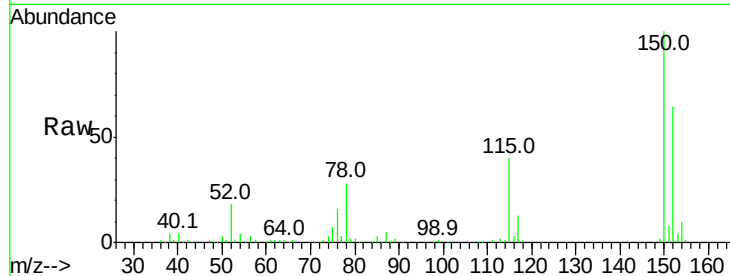


#1

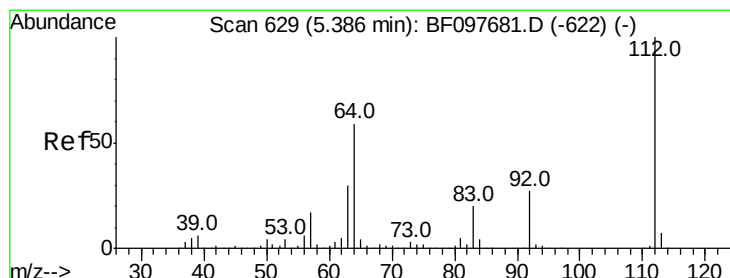
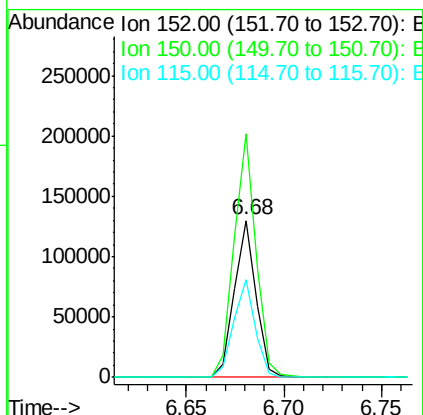
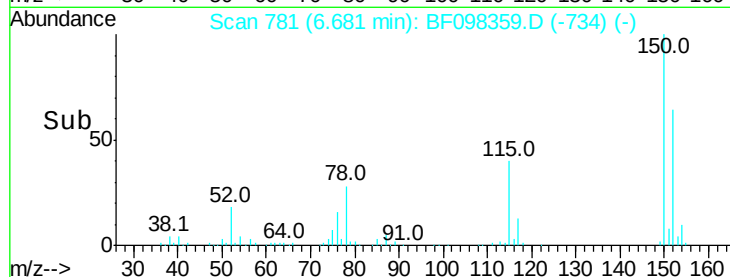
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF098359.D
 Acq: 8 Sep 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 G58A-0-2.5

Tot Ion:152 Resp: 100426
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 62.0 52.2 78.2



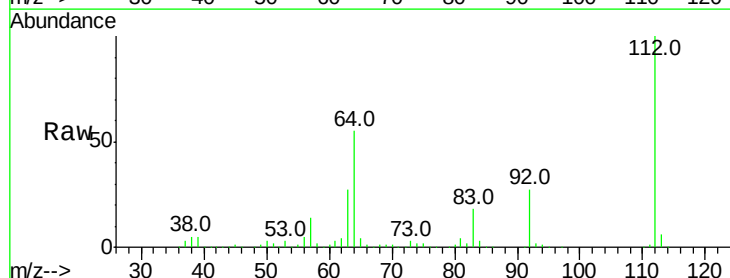
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



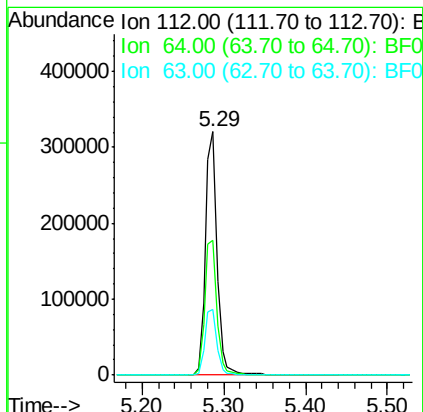
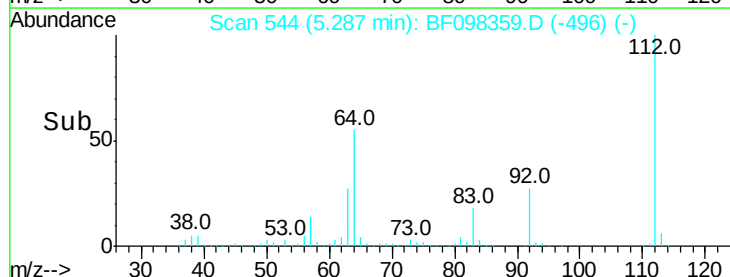
#5

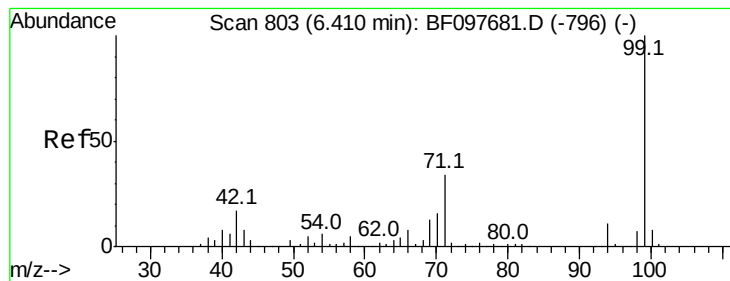
2-Fluorophenol
 Concen: 48.216 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF098359.D
 Acq: 8 Sep 2017 19:15

Tgt Ion:112 Resp: 318334
 Ion Ratio Lower Upper
 112 100
 64 55.2 46.0 69.0
 63 27.1 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: 51.846 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

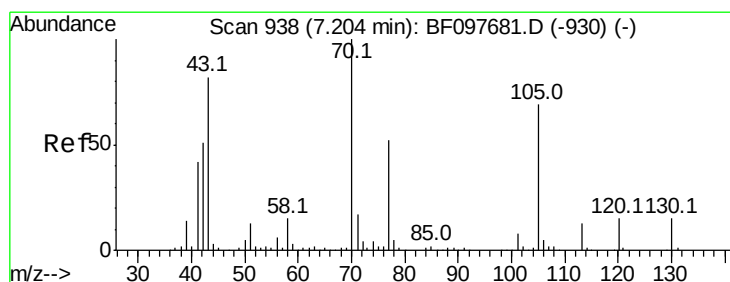
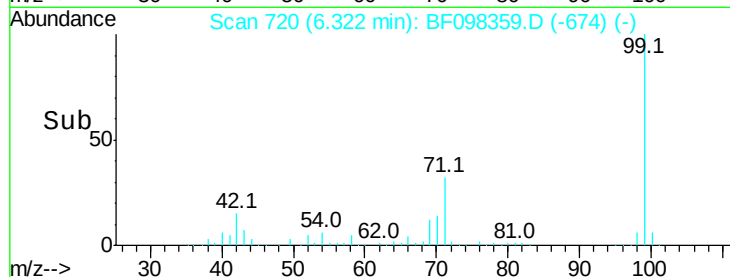
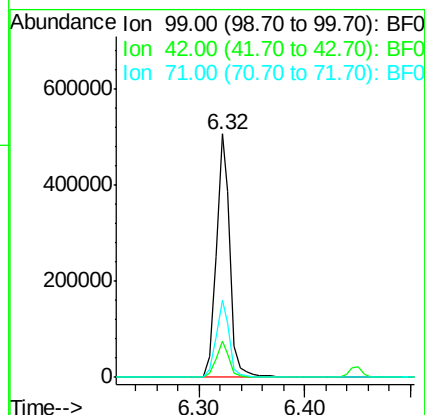
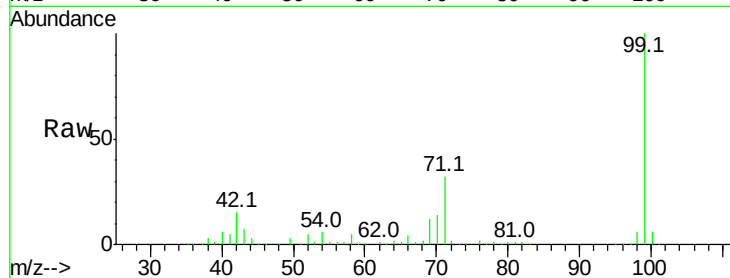
Tot Ion: 99 Resp: 465090

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

71 31.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.129 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Tgt Ion: 70 Resp: 37637

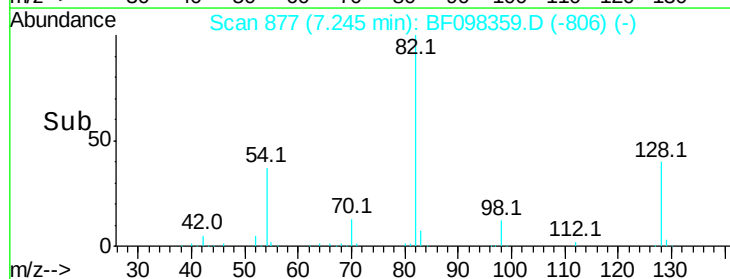
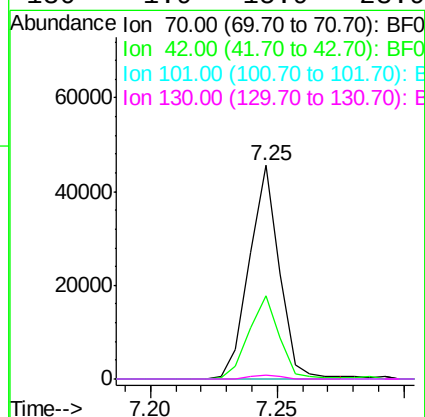
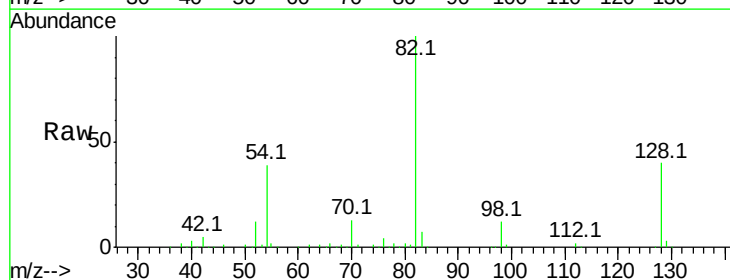
Ion Ratio Lower Upper

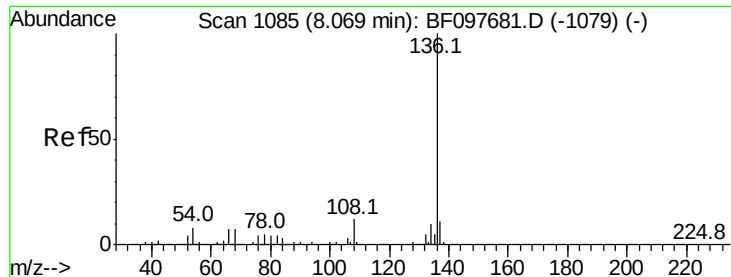
70 100

42 39.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

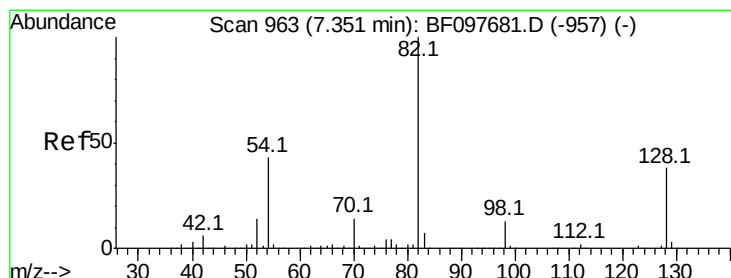
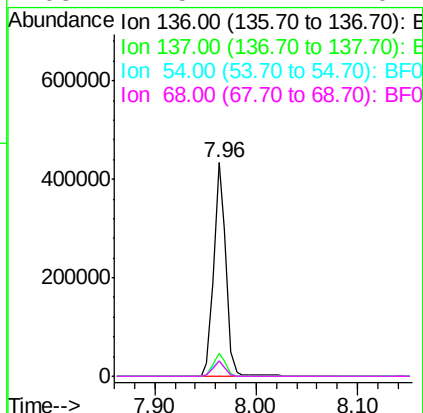
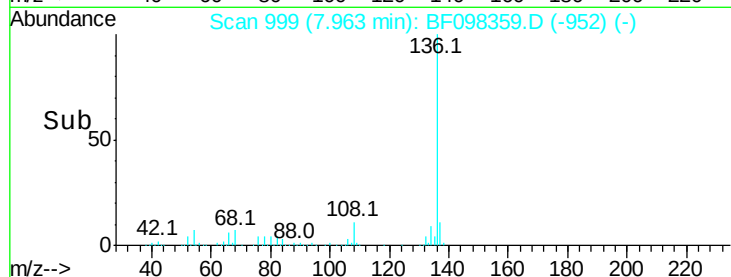
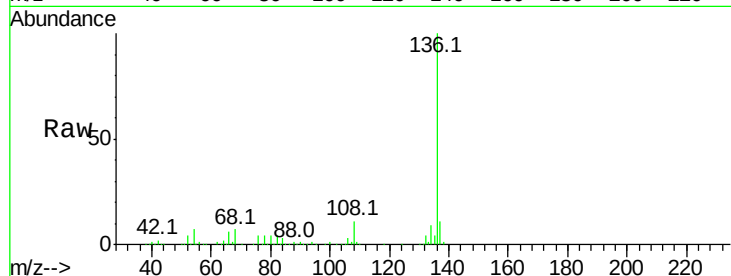




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

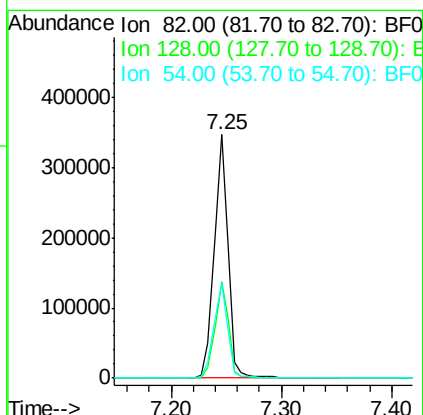
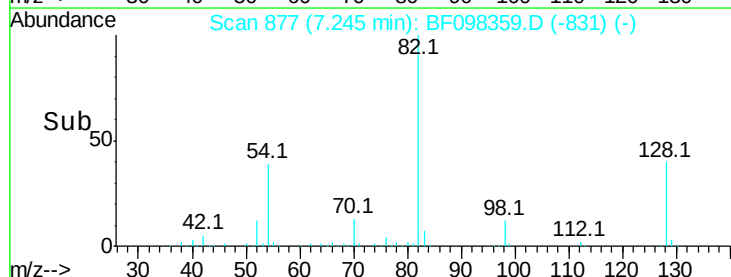
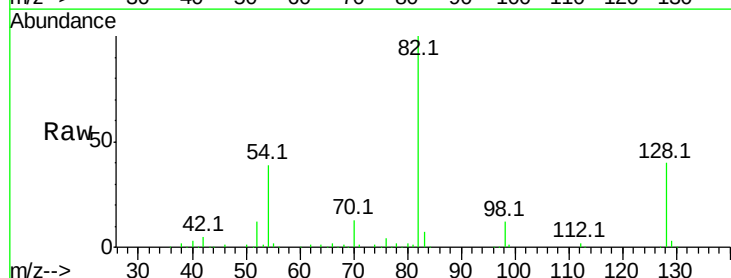
Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

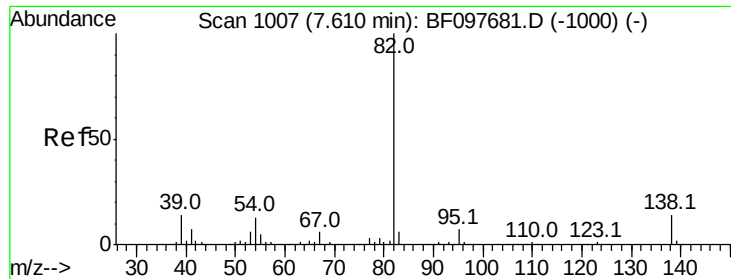
Tot Ion:136	Resp:	361884
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	7.3	4.9 7.3
68	7.5	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 44.678 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion: 82	Resp:	297623
Ion Ratio	Lower	Upper
82	100	
128	39.7	34.0 51.0
54	39.1	42.2 63.2#





#25

Isophorone

Concen: 21.486 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.29 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

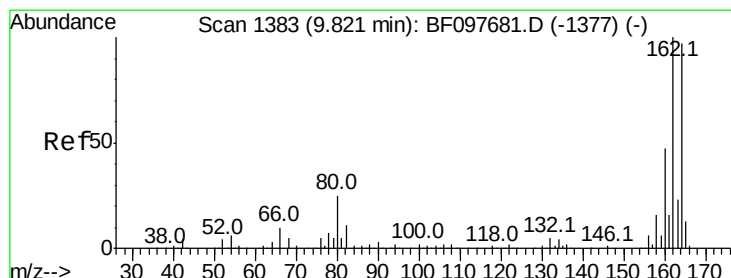
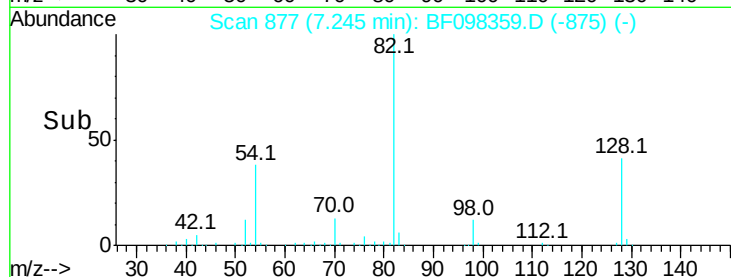
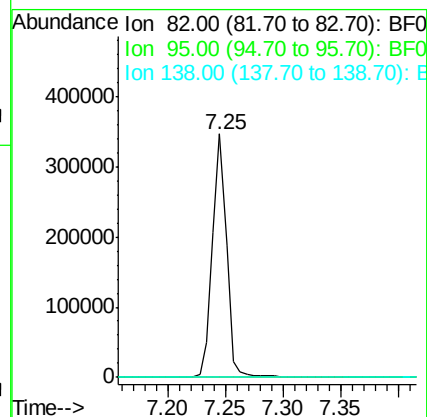
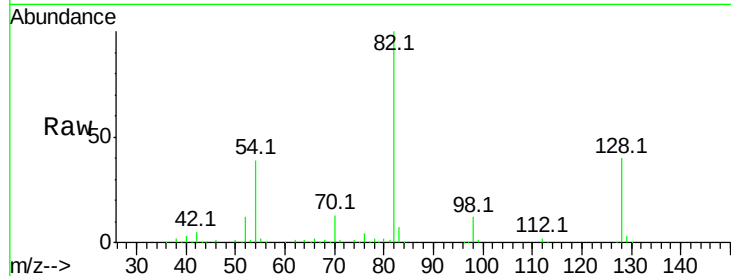
Tot Ion: 82 Resp: 297621

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: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

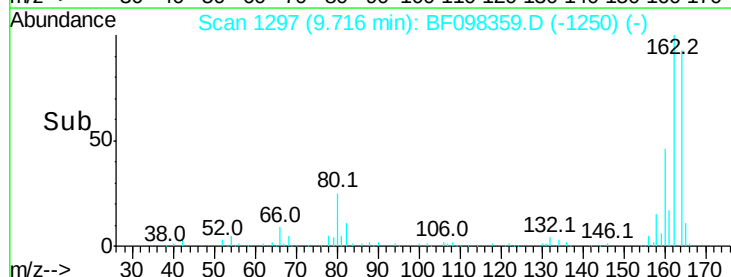
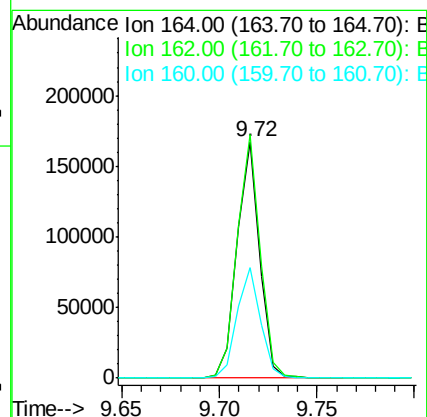
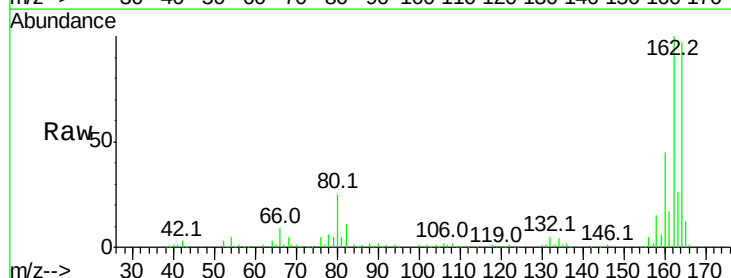
Tgt Ion:164 Resp: 134661

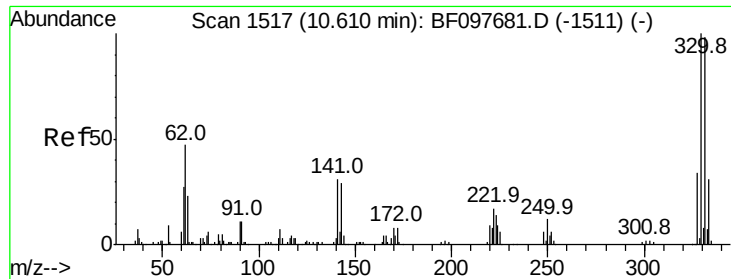
Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

160 46.7 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 31.960 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

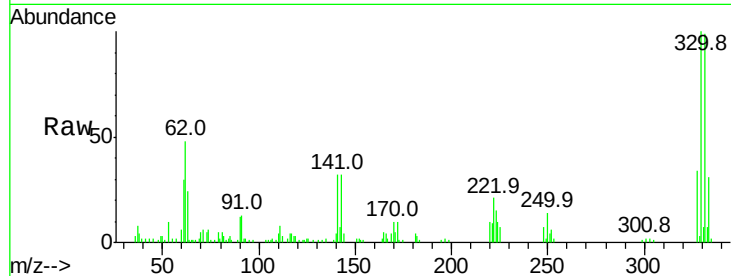
Tot Ion:330 Resp: 37342

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

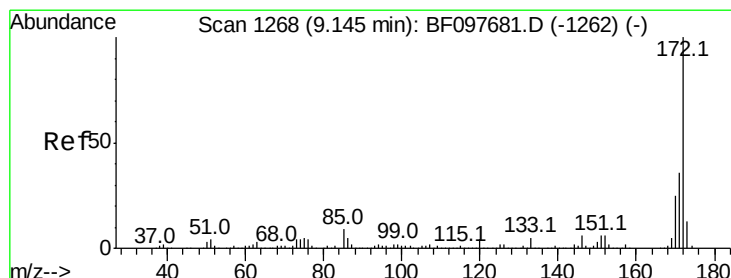
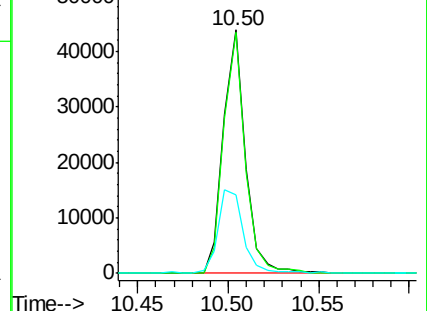
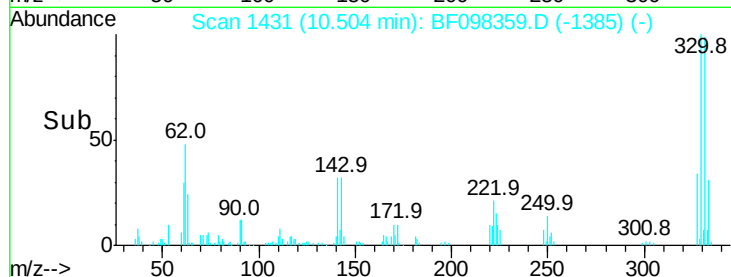
141 39.5 31.4 47.2



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: 48.811 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

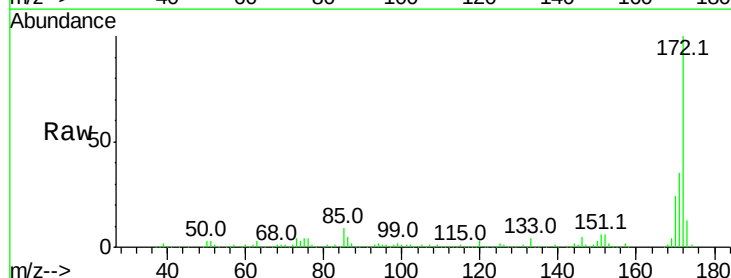
Tgt Ion:172 Resp: 447379

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

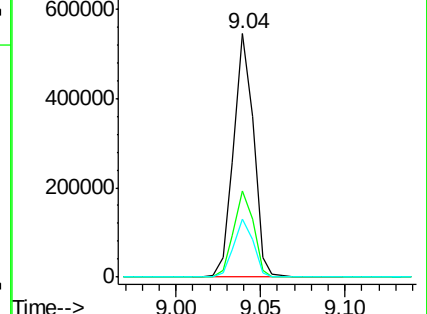
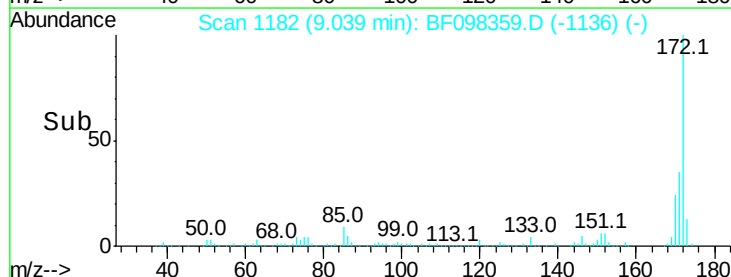
170 24.1 19.8 29.8

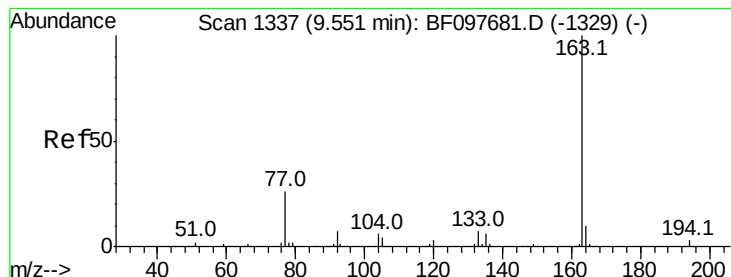


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.481 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

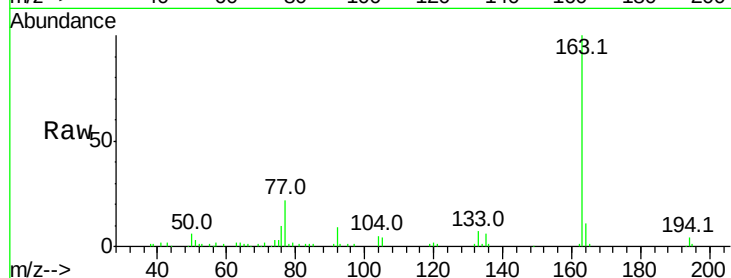
Tot Ion:163 Resp: 63791

Ion Ratio Lower Upper

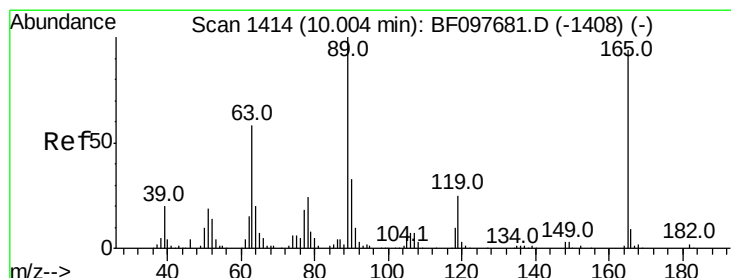
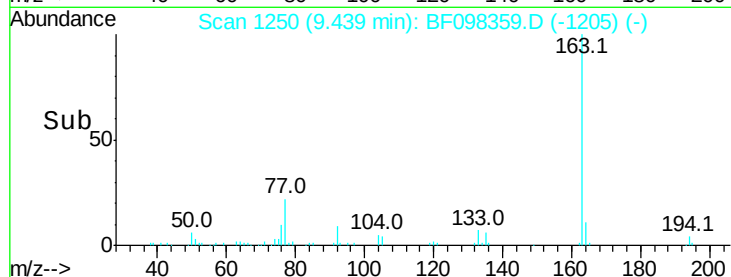
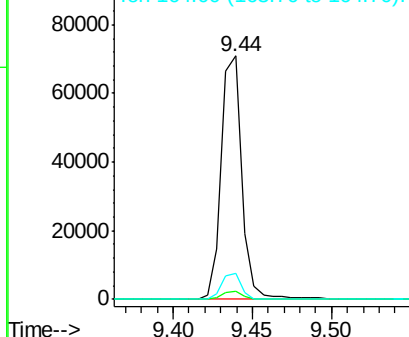
163 100

194 3.6 2.6 4.0

164 10.6 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



#56

2,4-Dinitrotoluene

Concen: 7.025 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.22 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Tgt Ion:165 Resp: 17322

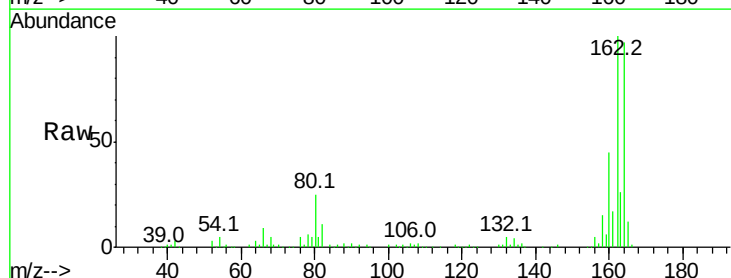
Ion Ratio Lower Upper

165 100

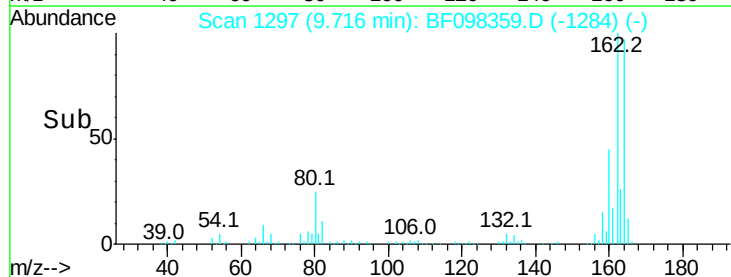
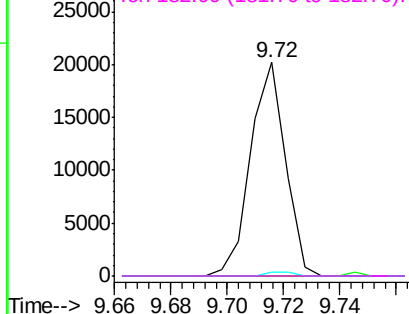
63 0.0 25.4 38.0#

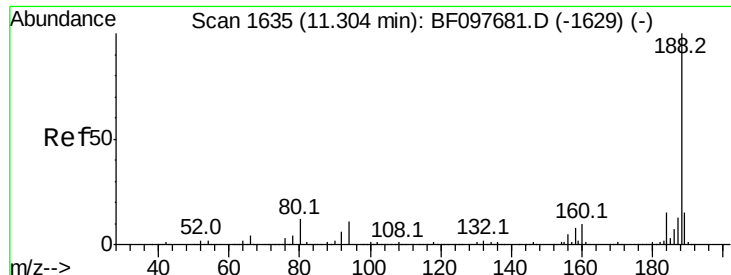
89 1.5 46.4 69.6#

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

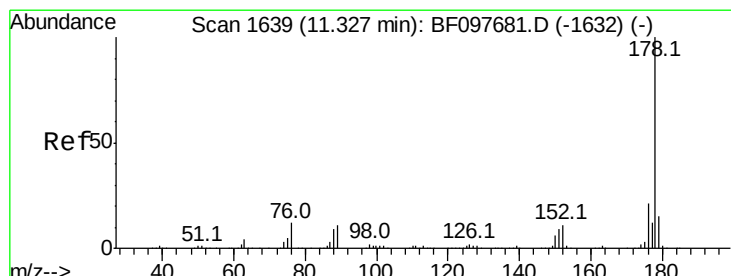
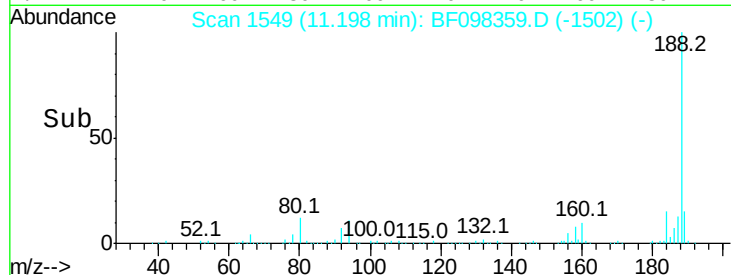
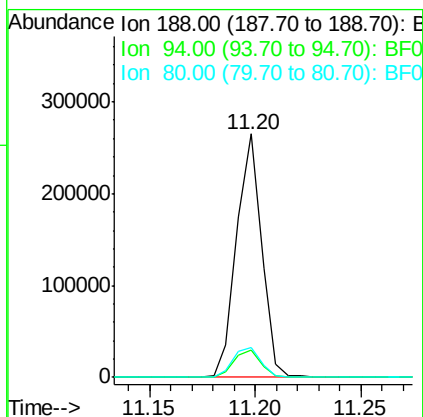
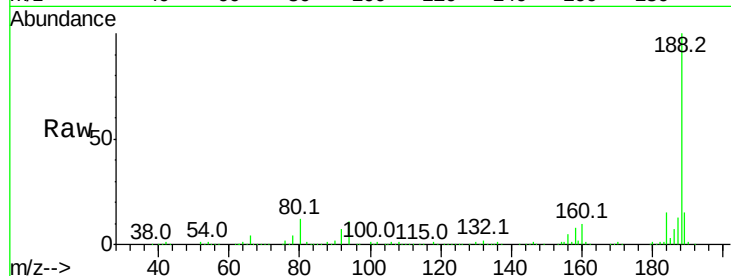




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

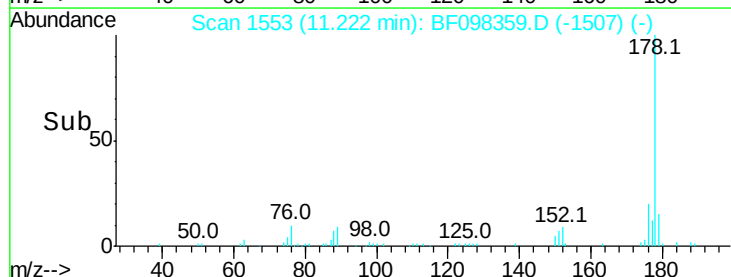
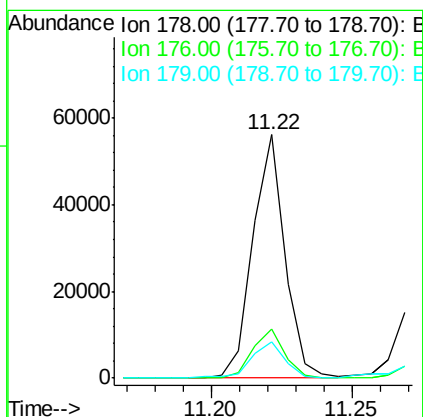
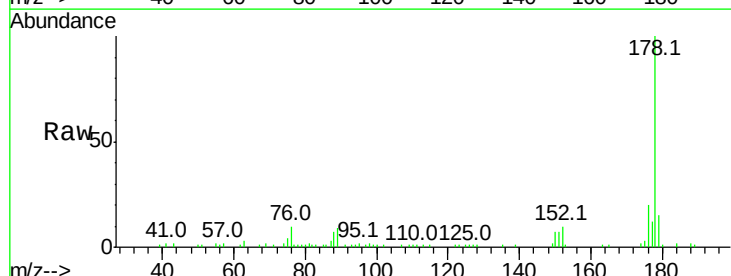
Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

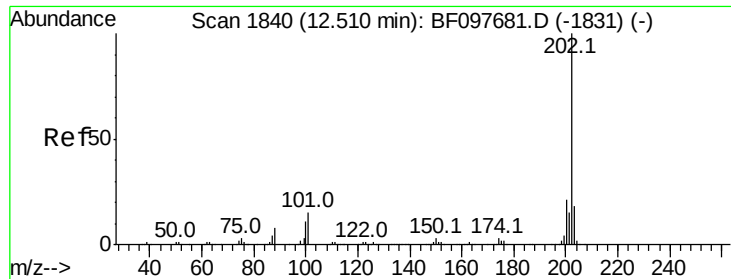
Tot Ion:188 Resp: 217687
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 12.0 10.2 15.2



#70
Phenanthrene
Concen: 3.833 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.03 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion:178 Resp: 44463
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 14.9 12.6 19.0





#74

Fluoranthene

Concen: 5.654 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

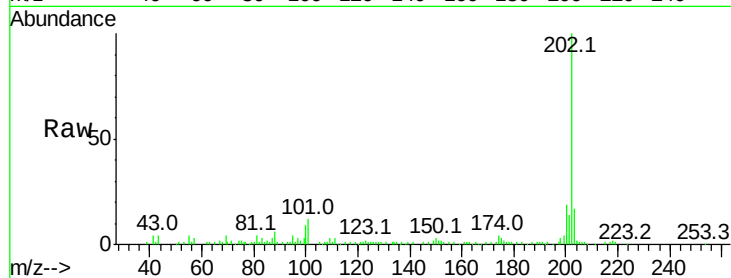
Tot Ion:202 Resp: 68461

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

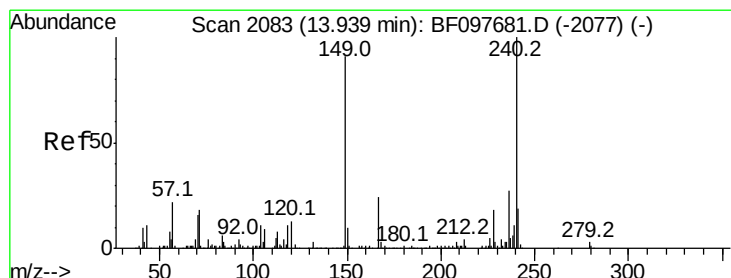
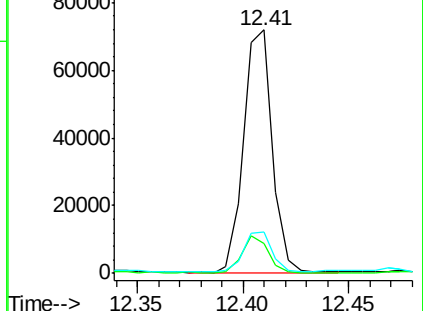
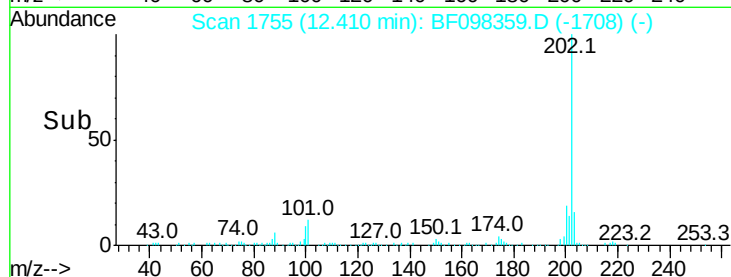
203 16.8 0.0 38.1



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: 13.83 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

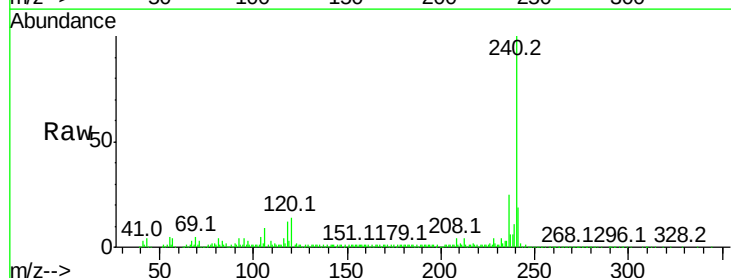
Tgt Ion:240 Resp: 215227

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

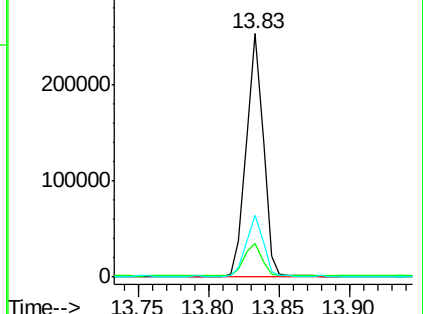
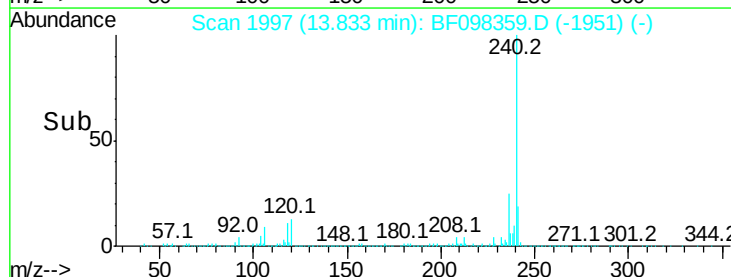
236 25.2 20.5 30.7

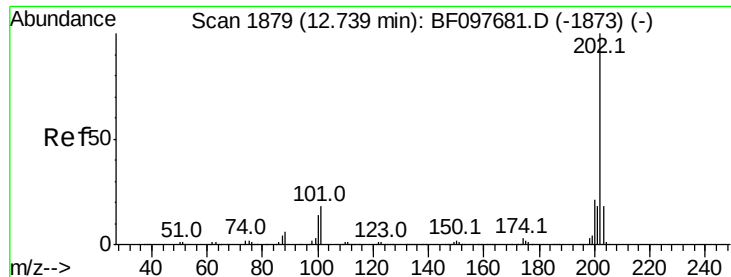


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.318 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampled :

G58A-0-2.5

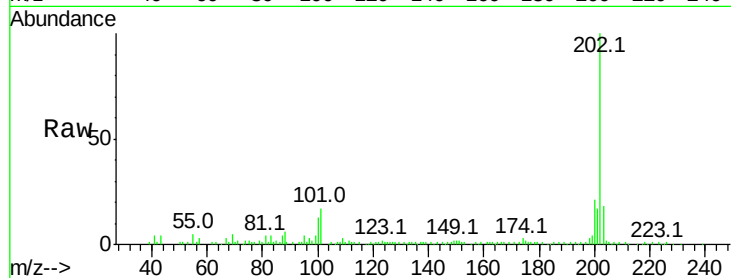
Tot Ion:202 Resp: 76006

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

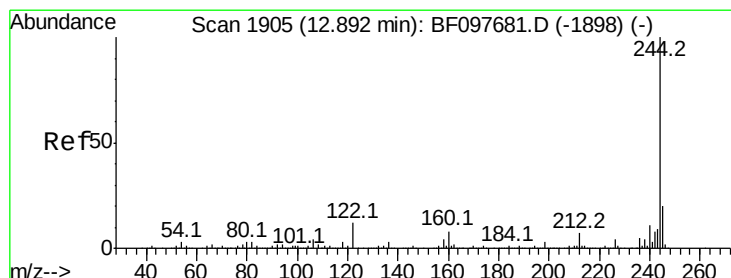
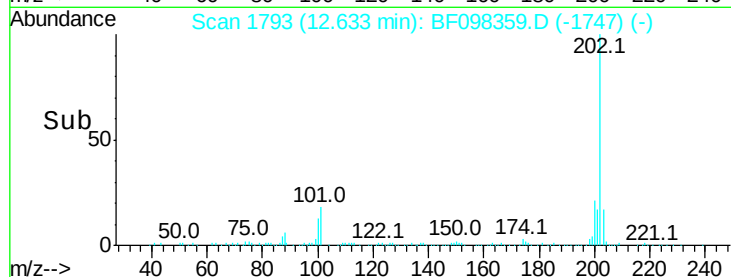
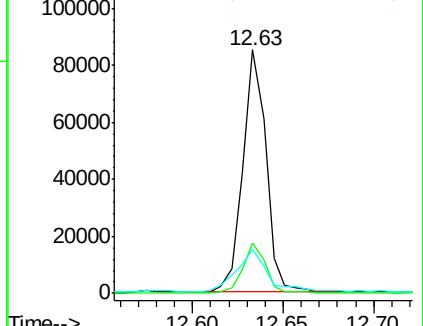
203 17.9 14.4 21.6



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: 30.096 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

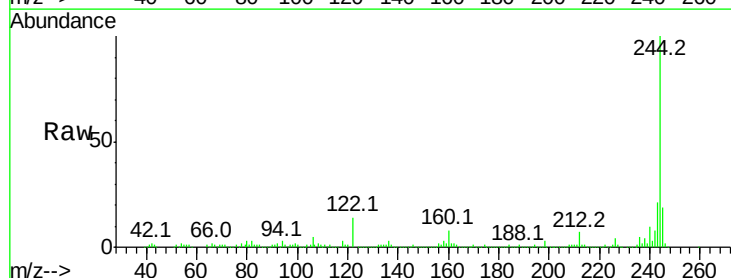
Tgt Ion:244 Resp: 310617

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

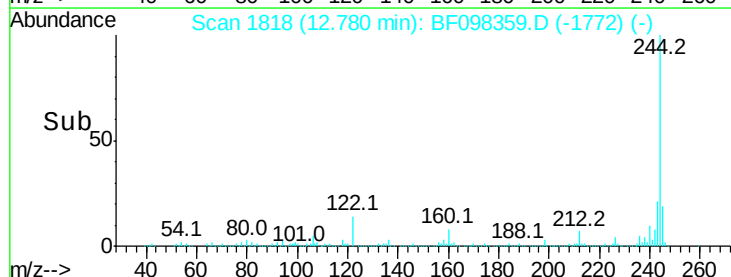
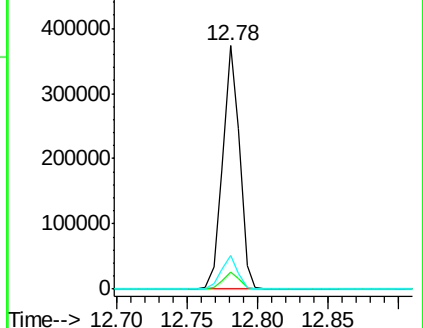
122 13.7 10.3 15.5

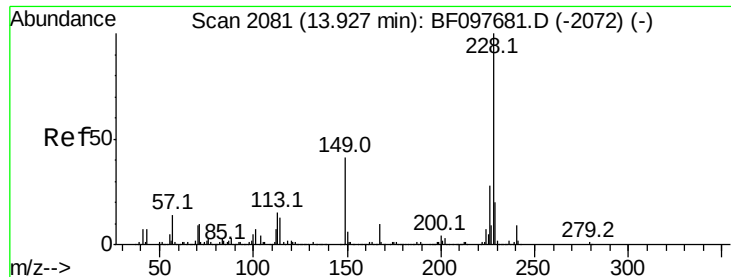


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.236 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.03 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

Instrument :

BNA_F

ClientSampleId :

G58A-0-2.5

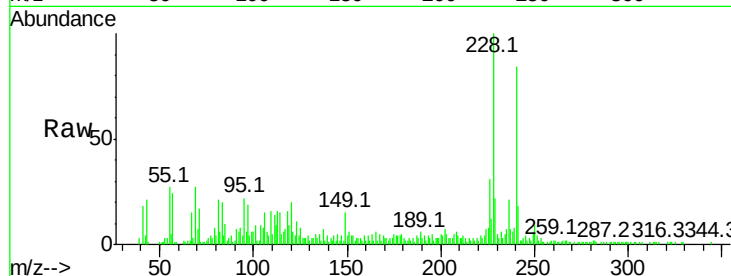
Tot Ion:228 Resp: 41742

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

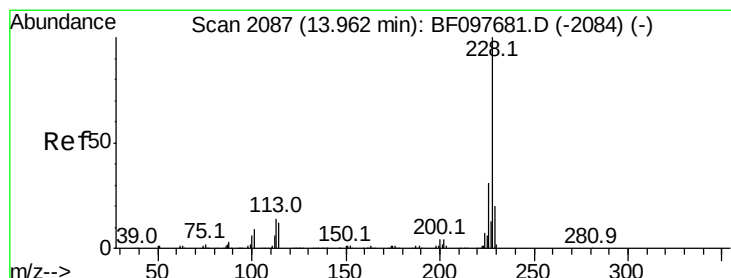
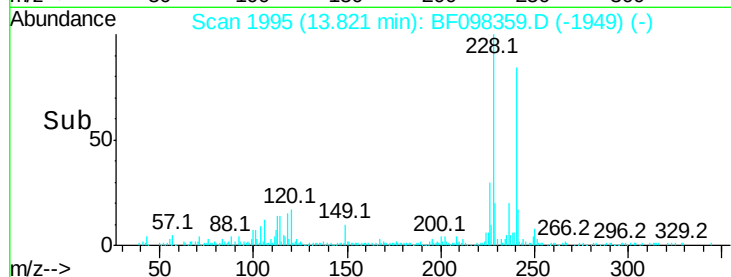
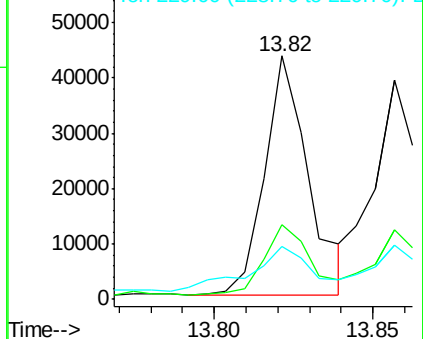
229 21.8 16.3 24.5



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: 3.253 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.06 min

Lab File: BF098359.D

Acq: 8 Sep 2017 19:15

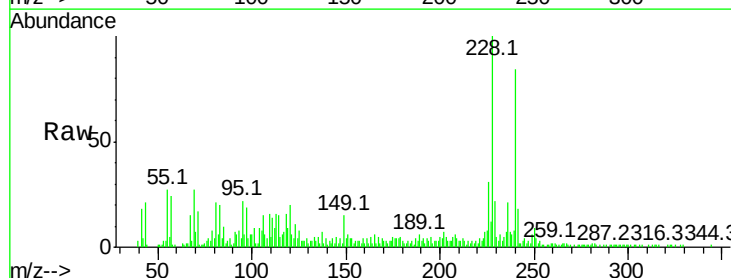
Tgt Ion:228 Resp: 41742

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

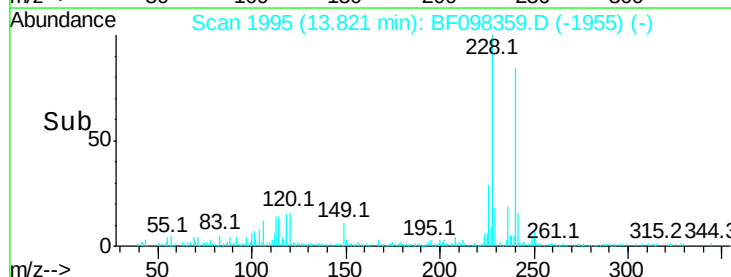
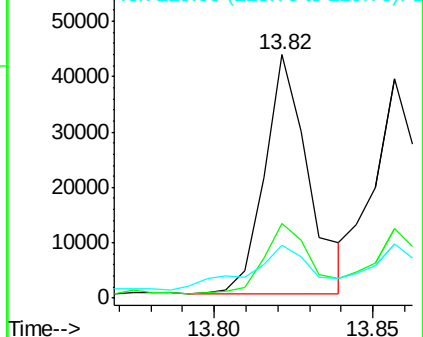
229 21.8 15.8 23.6

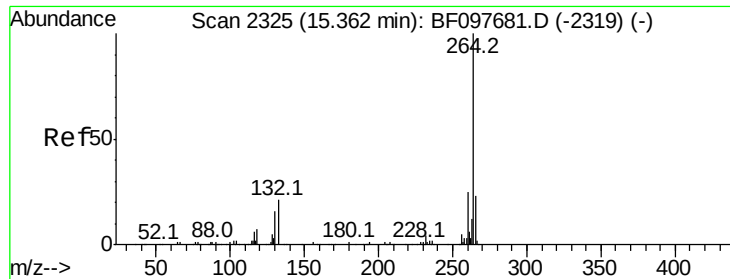


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

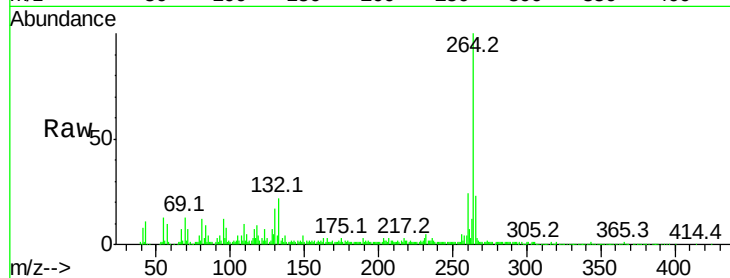




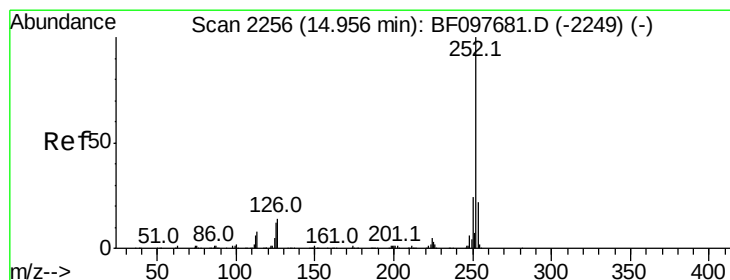
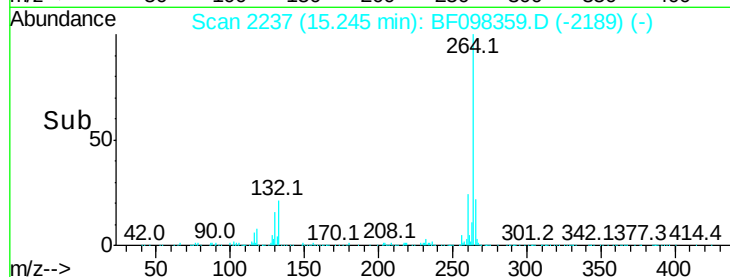
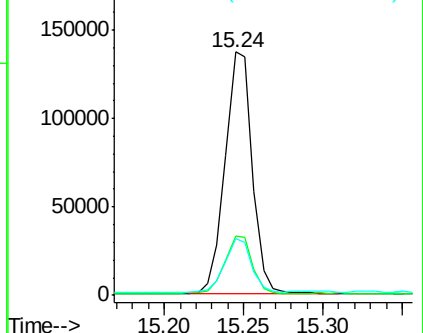
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

Tot Ion:264 Resp: 163309
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 23.4 17.2 25.8

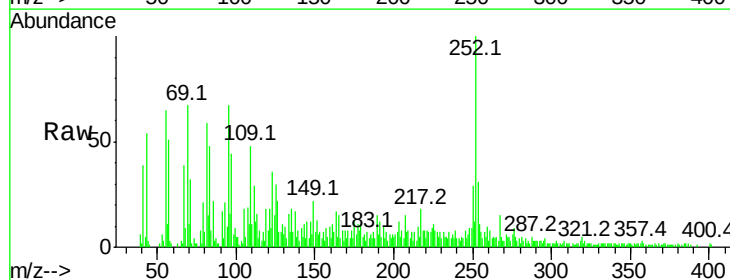


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

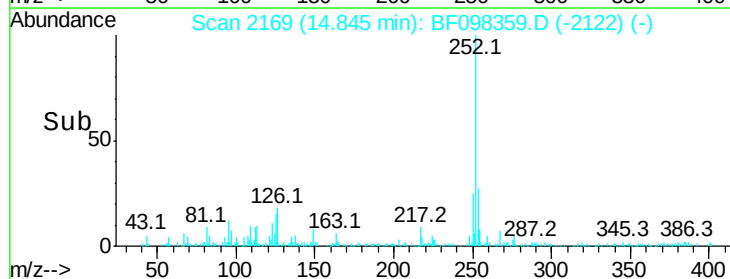
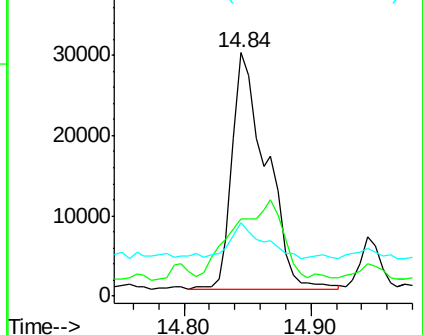


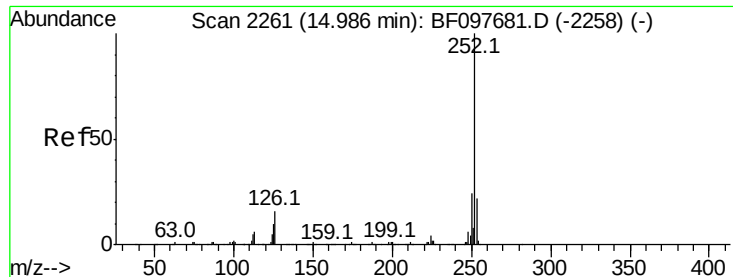
#87
Benzo(b)fluoranthene
Concen: 5.306 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion:252 Resp: 54623
Ion Ratio Lower Upper
252 100
253 31.5 18.1 27.1#
125 30.1 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

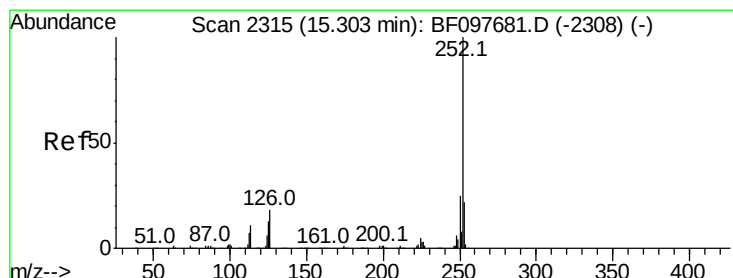
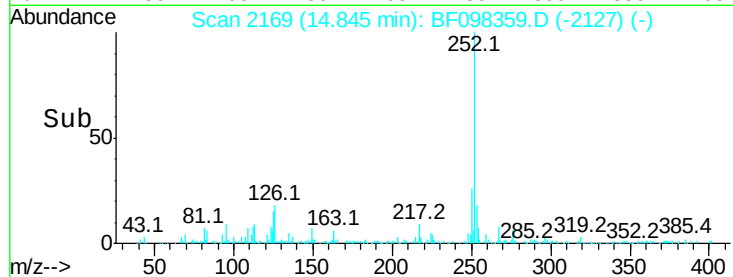
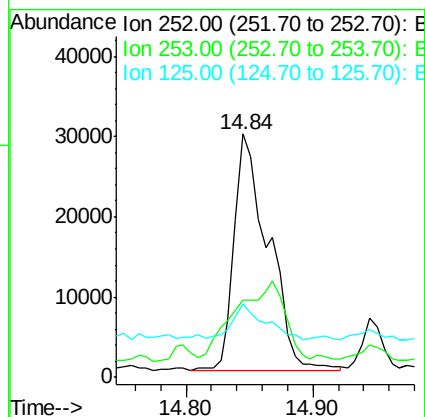
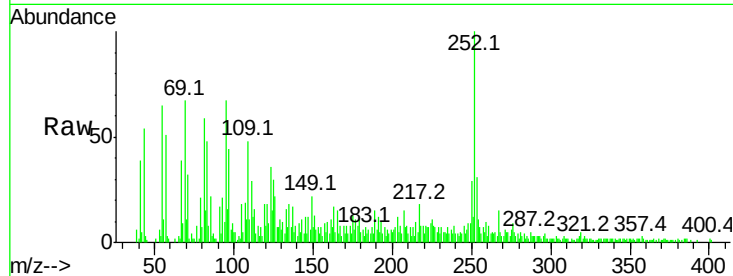




#88
Benzo(k)fluoranthene
Concen: 5.648 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.05 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Instrument :
BNA_F
ClientSampleId :
G58A-0-2.5

Tot Ion:252 Resp: 54623
Ion Ratio Lower Upper
252 100
253 31.5 18.4 27.6#
125 30.1 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.864 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF098359.D
Acq: 8 Sep 2017 19:15

Tgt Ion:252 Resp: 26095
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 32.5 11.0 16.4#

