

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098329.D
 Acq On : 7 Sep 2017 22:29
 Operator : SJ/JU
 Sample : I5071-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G43A-1.5-3

Quant Time: Sep 08 01:55:51 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

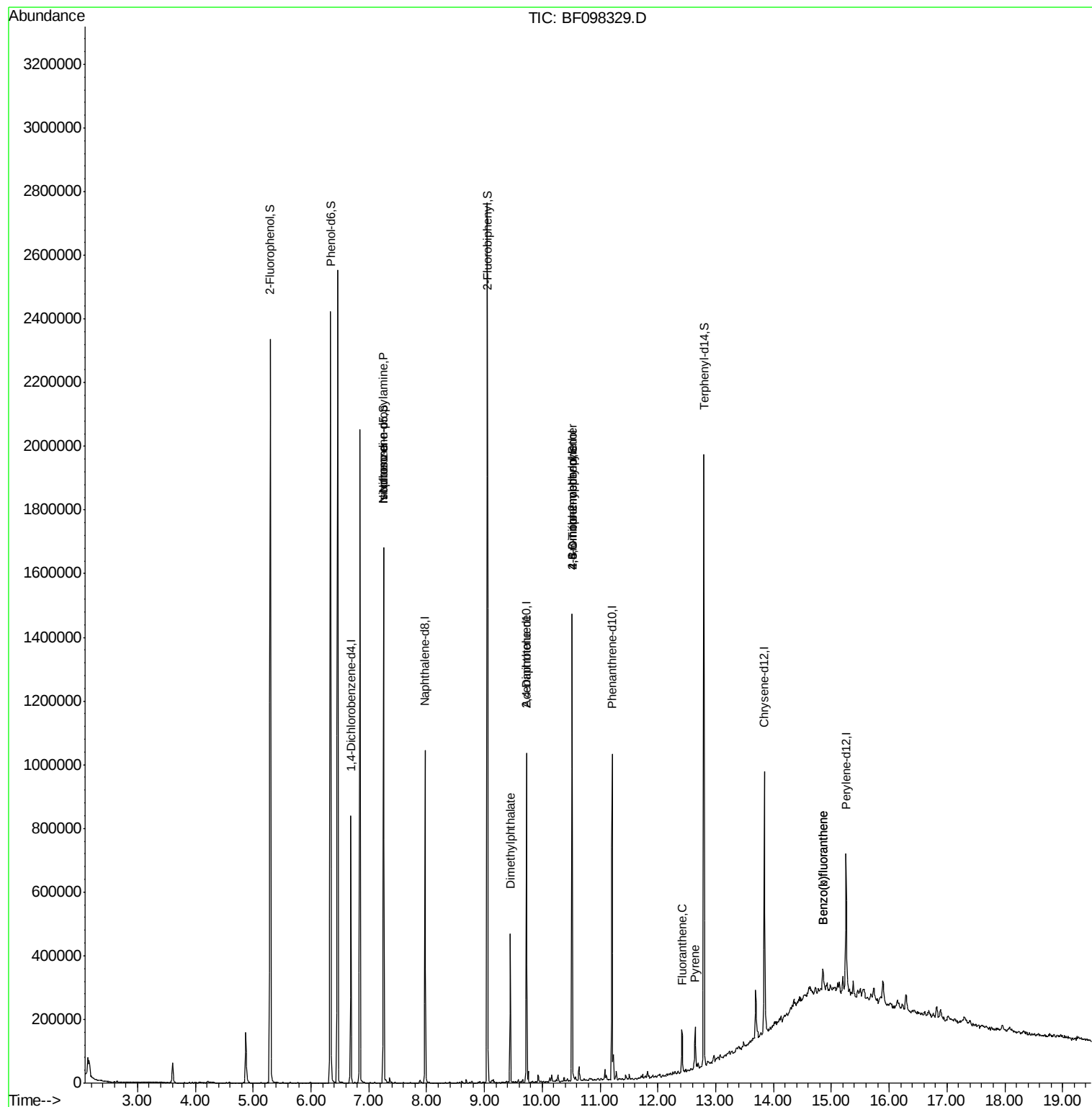
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	115201	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	444219	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	187033	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	329562	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	265258	20.00	ng	-0.02
86) Perylene-d12	15.26	264	187759	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	723861	95.58	ng	0.00
7) Phenol-d6	6.34	99	980764	95.31	ng	-0.01
23) Nitrobenzene-d5	7.26	82	584133	71.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	164303	101.25	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	850034	66.77	ng	-0.02
78) Terphenyl-d14	12.80	244	631739	49.66	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	77097	10.944	ng	# 68
25) Isophorone	7.26	82	578498	34.023	ng	# 67
49) Dimethylphthalate	9.45	163	159095	11.637	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	23942	6.991	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.52	198	318	8.490	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10759	3.144	ng	# 1
74) Fluoranthene	12.42	202	51973	2.835	ng	# 97
77) Pyrene	12.64	202	48679	2.244	ng	# 98
87) Benzo(b)fluoranthene	14.86	252	33425	2.824	ng	# 83
88) Benzo(k)fluoranthene	14.86	252	33425	3.006	ng	# 88

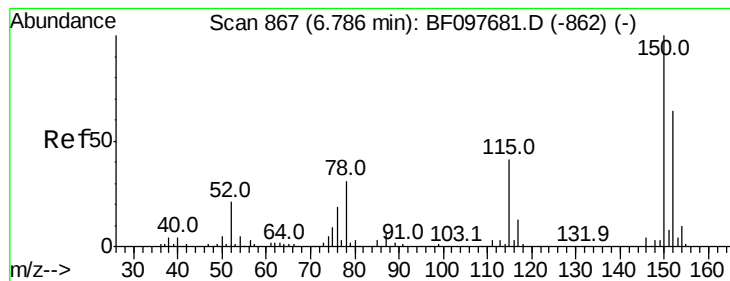
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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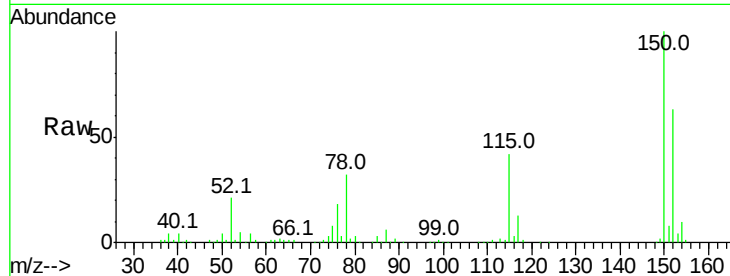


#1

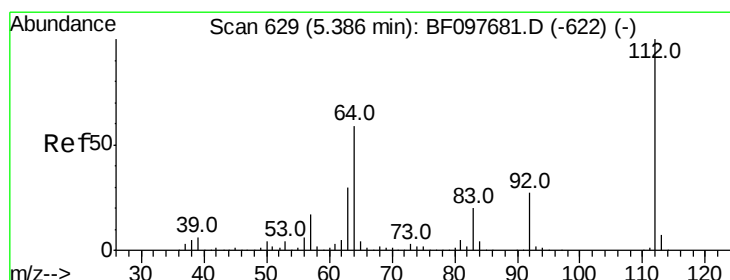
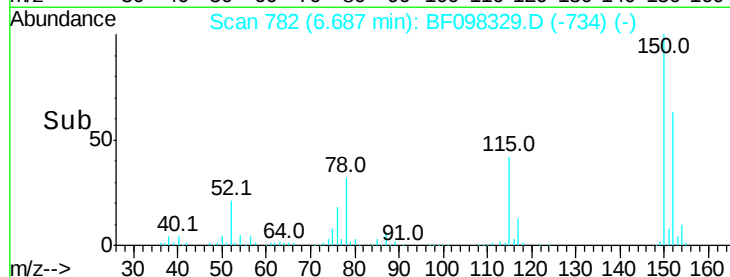
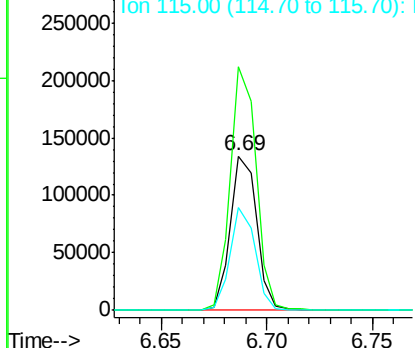
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF098329.D
Acq: 7 Sep 2017 22:29

Instrument :
BNA_F
ClientSampleId :
G43A-1.5-3

Tot Ion:152 Resp: 115201
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 66.5 52.2 78.2



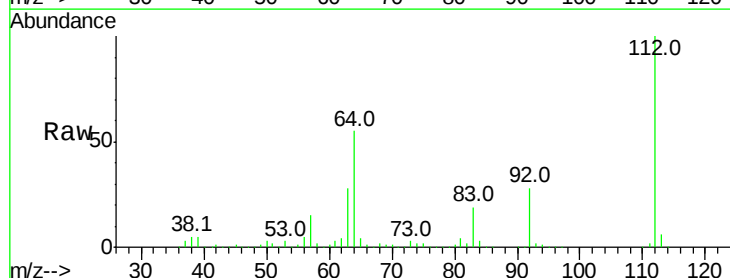
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



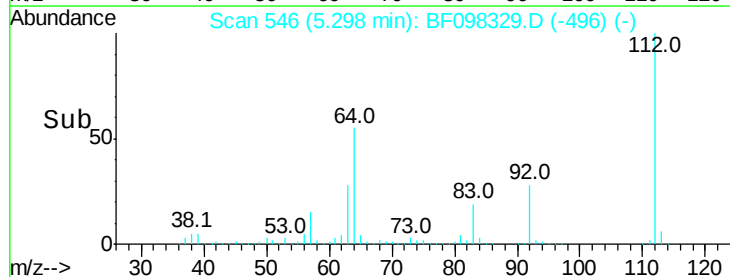
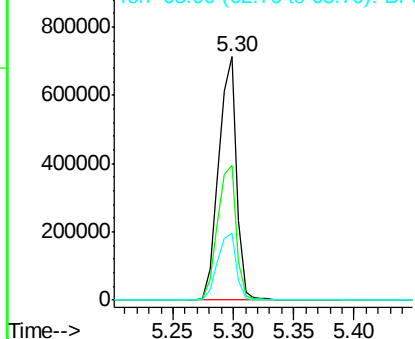
#5

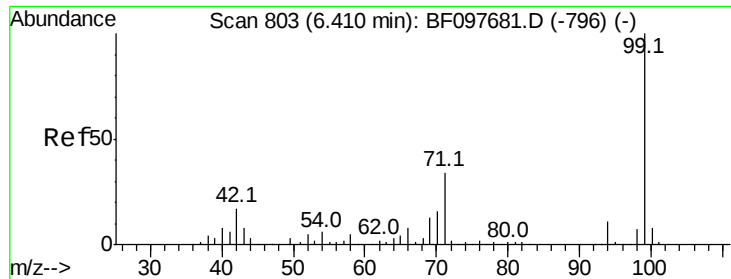
2-Fluorophenol
Concen: 95.576 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF098329.D
Acq: 7 Sep 2017 22:29

Tgt Ion:112 Resp: 723861
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 27.7 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: 95.308 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Instrument :

BNA_F

ClientSampleId :

G43A-1.5-3

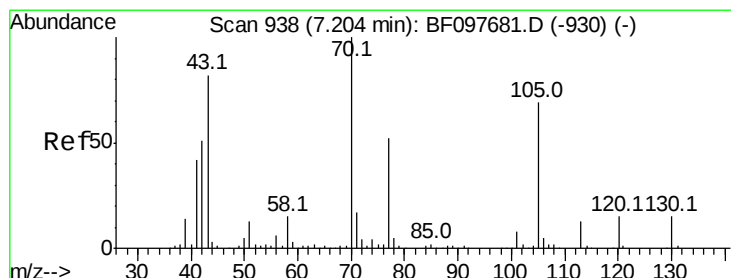
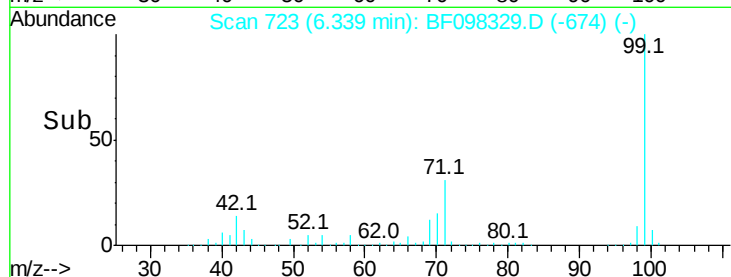
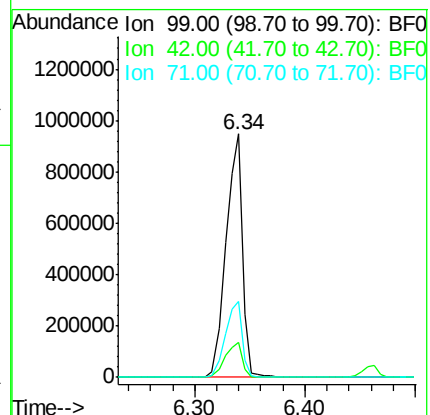
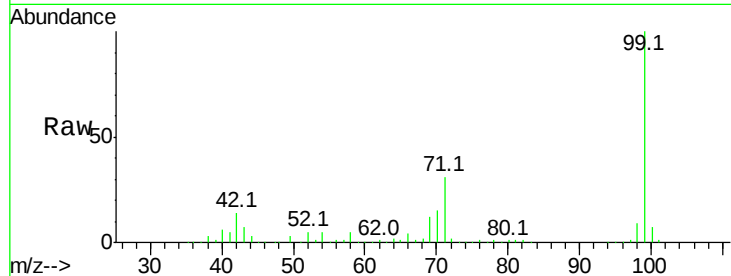
Tot Ion: 99 Resp: 980764

Ion Ratio Lower Upper

99 100

42 14.1 13.5 20.3

71 31.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.944 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Tgt Ion: 70 Resp: 77097

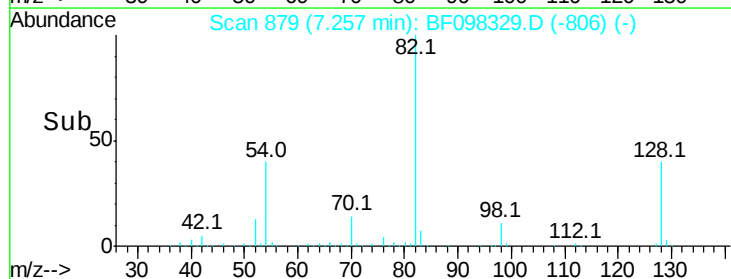
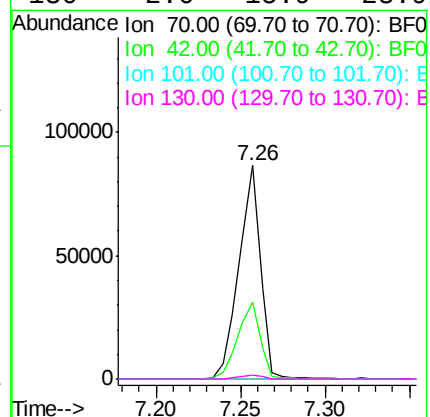
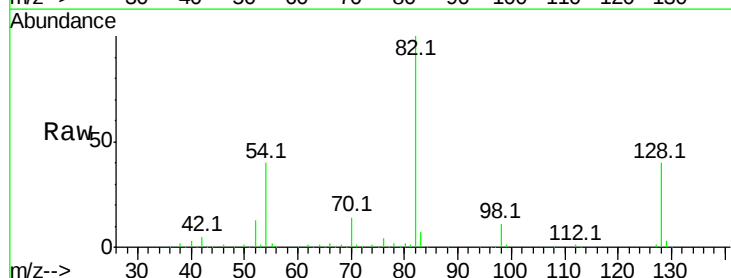
Ion Ratio Lower Upper

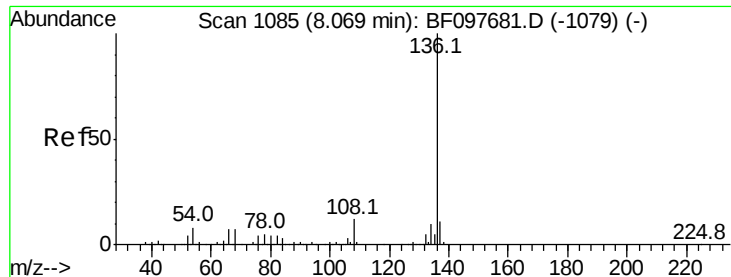
70 100

42 36.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

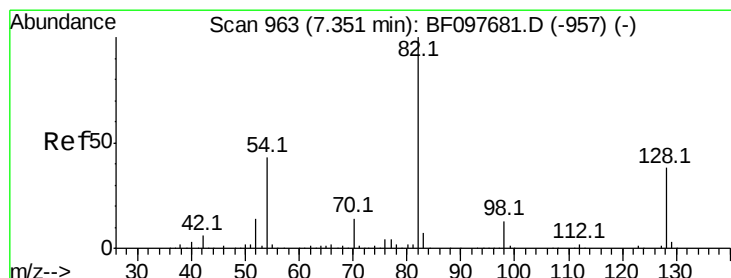
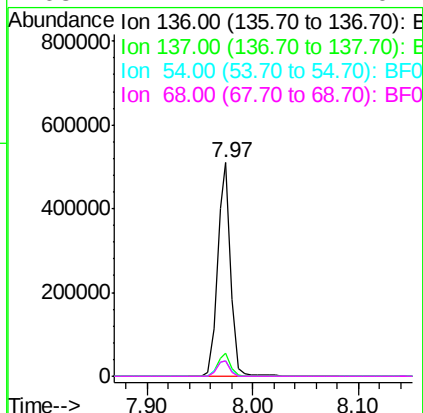
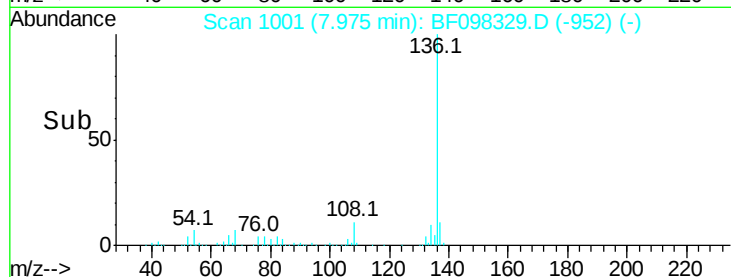
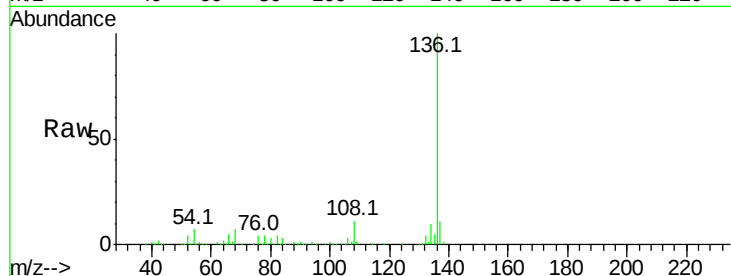




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF098329.D
Acq: 7 Sep 2017 22:29

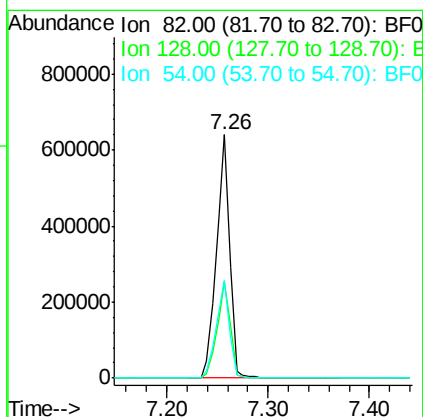
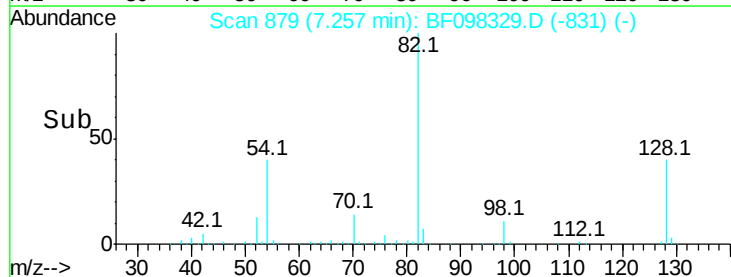
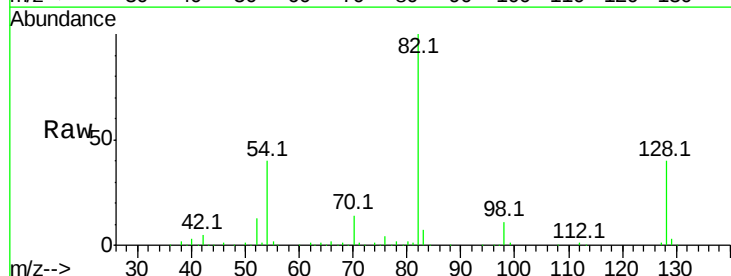
Instrument :
BNA_F
ClientSampleId :
G43A-1.5-3

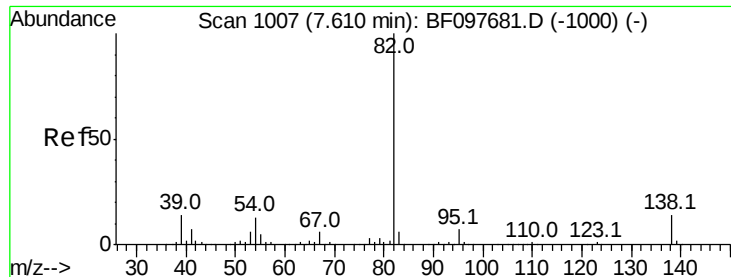
Tot Ion:	136	Resp:	444219
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.0	4.9	7.3
68	7.4	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 71.435 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF098329.D
Acq: 7 Sep 2017 22:29

Tgt Ion:	82	Resp:	584133
Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.0	51.0
54	39.9	42.2	63.2#





#25

Isophorone

Concen: 34.023 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Instrument :

BNA_F

ClientSampleId :

G43A-1.5-3

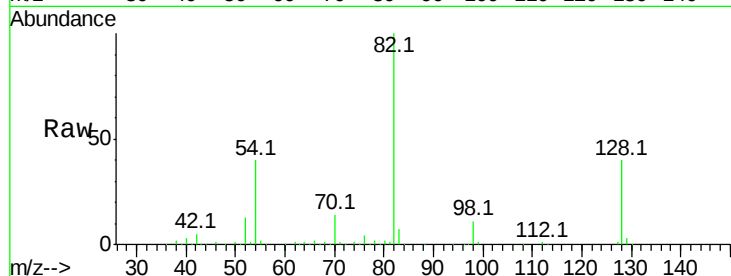
Tot Ion: 82 Resp: 578498

Ion Ratio Lower Upper

82 100

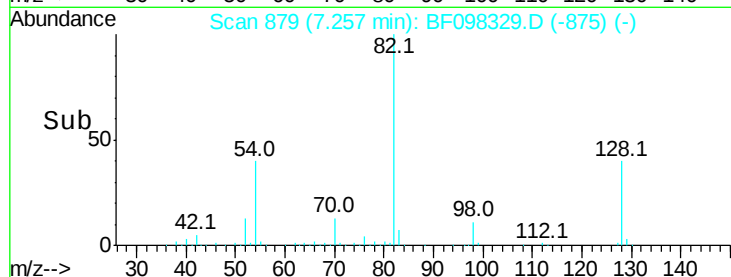
95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

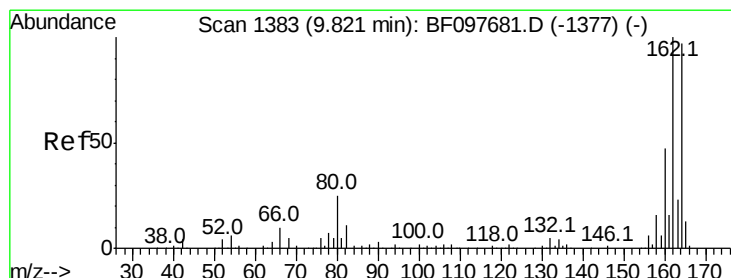


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E

7.26



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

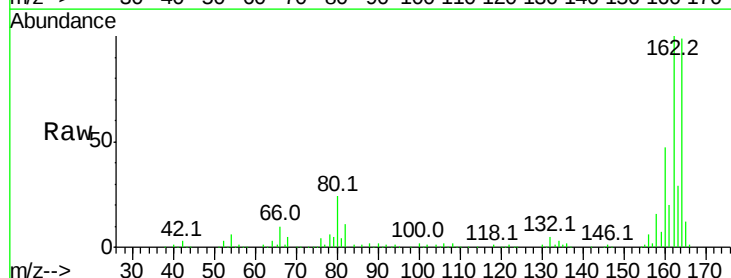
Tgt Ion: 164 Resp: 187033

Ion Ratio Lower Upper

164 100

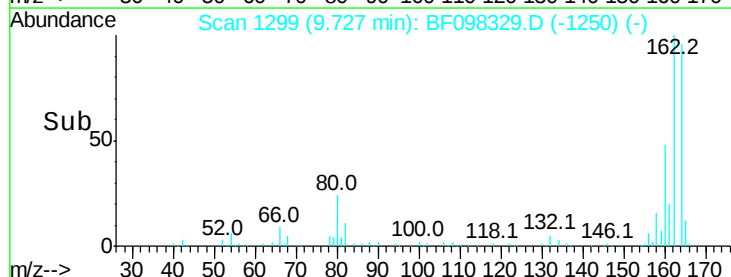
162 101.1 82.6 123.8

160 47.9 36.2 54.2

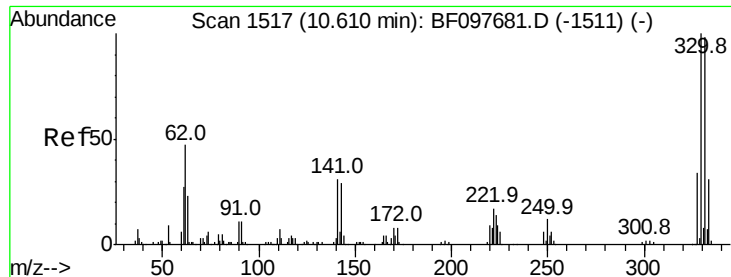


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.73



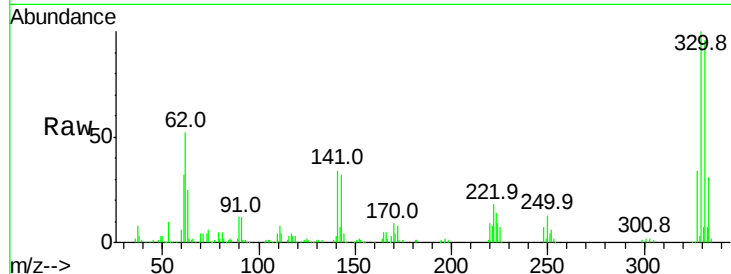
Time-->



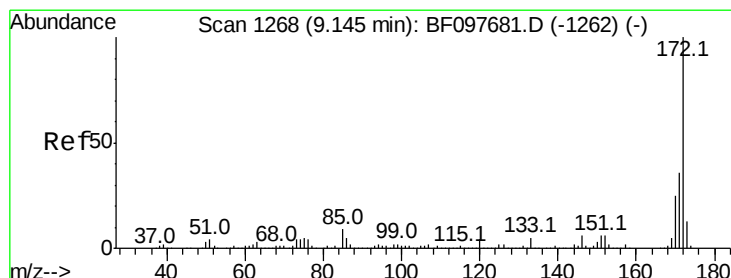
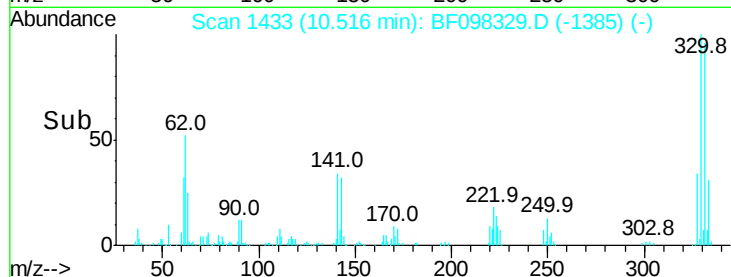
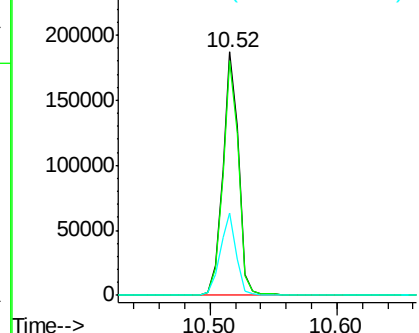
#41
 2,4,6-Tribromophenol
 Concen: 101.246 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098329.D
 Acq: 7 Sep 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 G43A-1.5-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	34.7	31.4	47.2

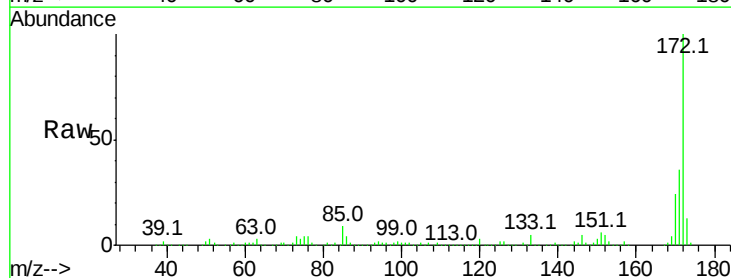


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

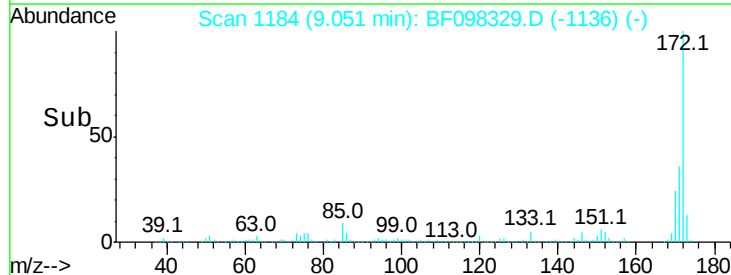
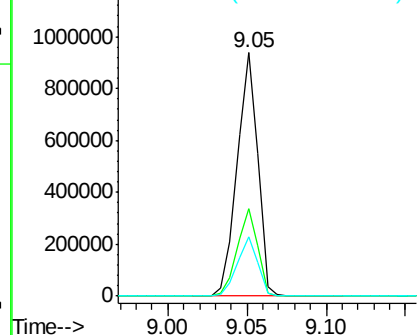


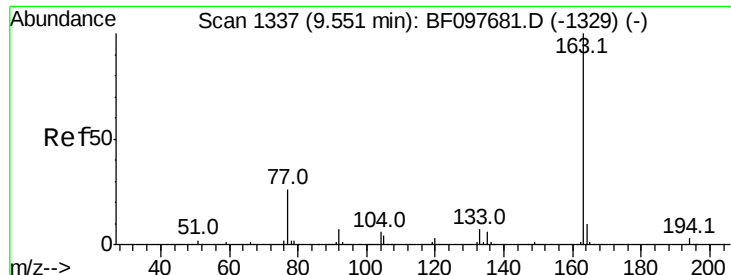
#44
 2-Fluorobiphenyl
 Concen: 66.773 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF098329.D
 Acq: 7 Sep 2017 22:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.4	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

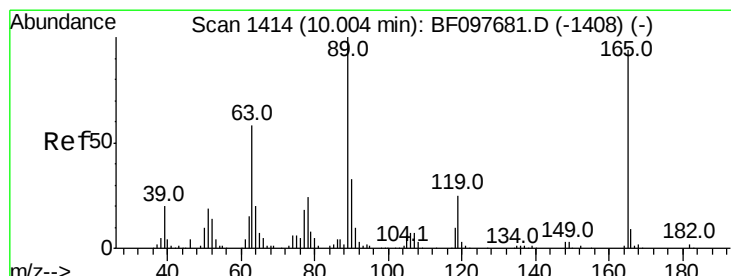
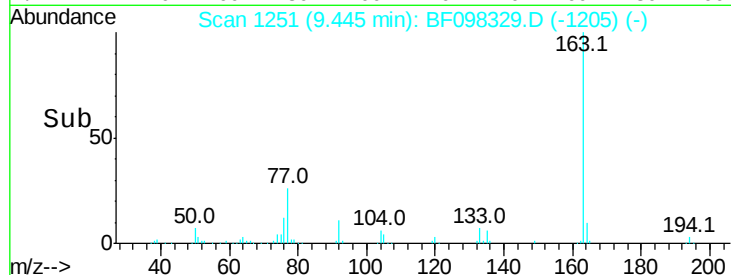
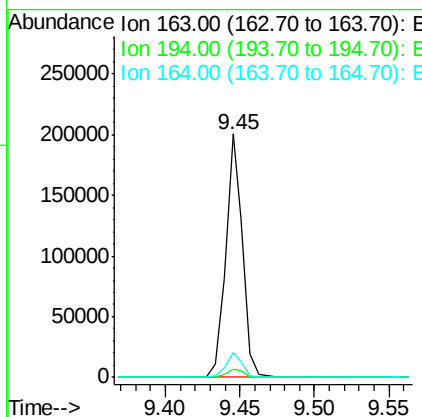
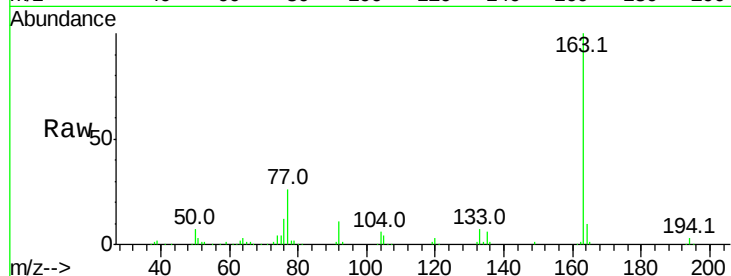




#49
 Dimethylphthalate
 Concen: 11.637 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF098329.D
 Acq: 7 Sep 2017 22:29

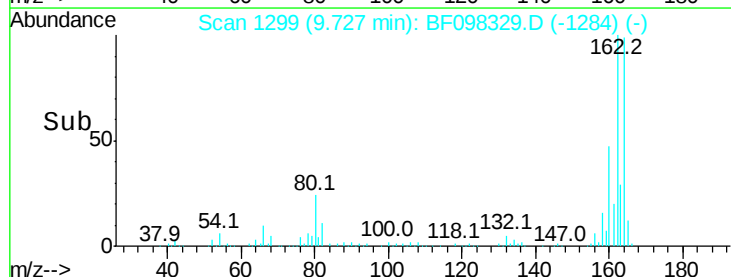
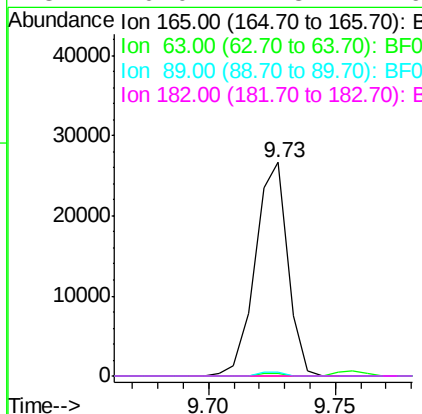
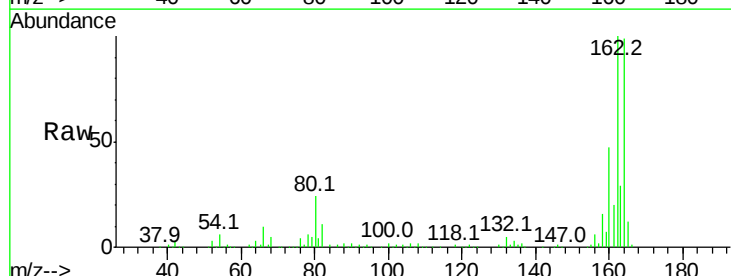
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 BNA_F
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 G43A-1.5-3

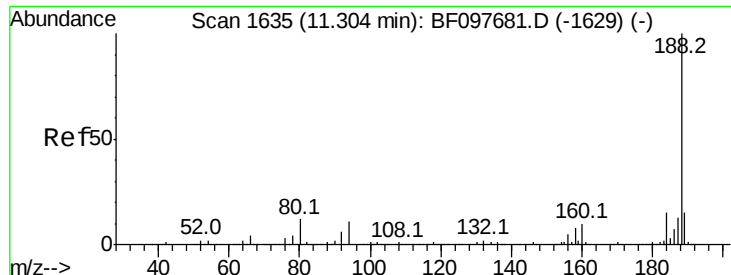
Tot Ion:	163	Resp:	159095
Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.0	8.4	12.6



#56
 2,4-Dinitrotoluene
 Concen: 6.991 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF098329.D
 Acq: 7 Sep 2017 22:29

Tgt Ion:	165	Resp:	23942
Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Instrument :

BNA_F

ClientSampleId :

G43A-1.5-3

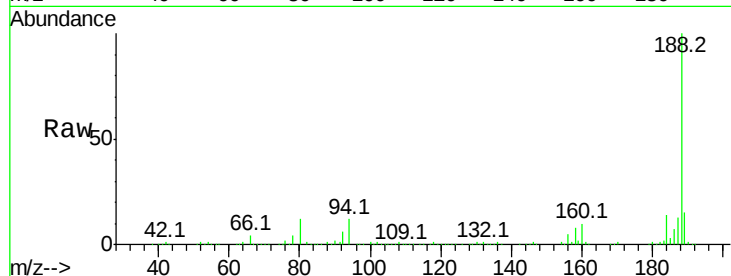
Tot Ion:188 Resp: 329562

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

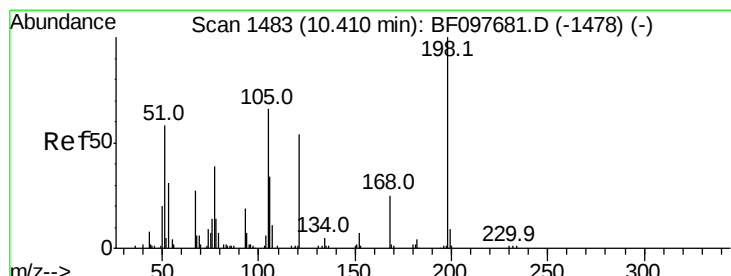
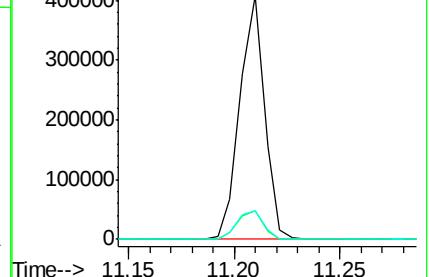
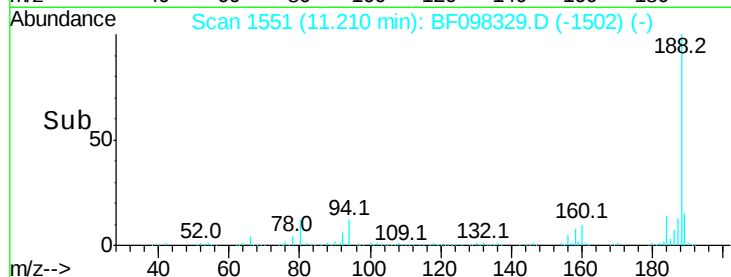
80 11.9 10.2 15.2



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: 8.490 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.16 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

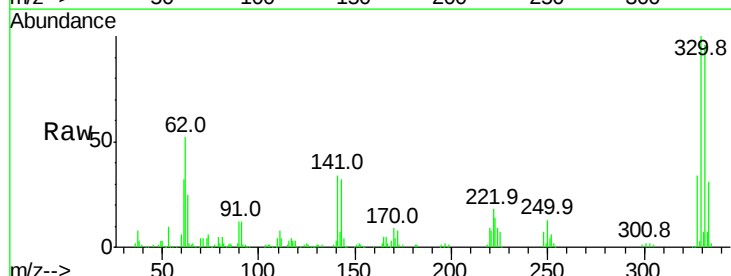
Tgt Ion:198 Resp: 318

Ion Ratio Lower Upper

198 100

51 177.1 53.2 93.2#

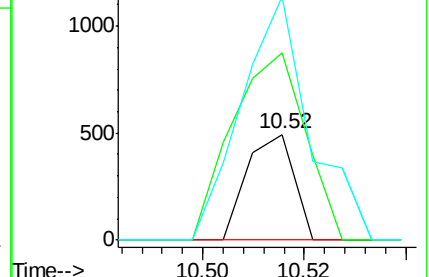
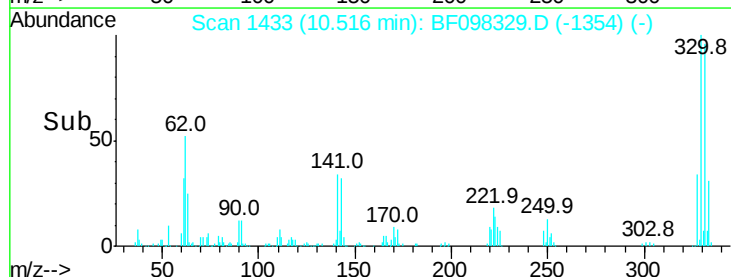
105 230.4 45.8 85.8#

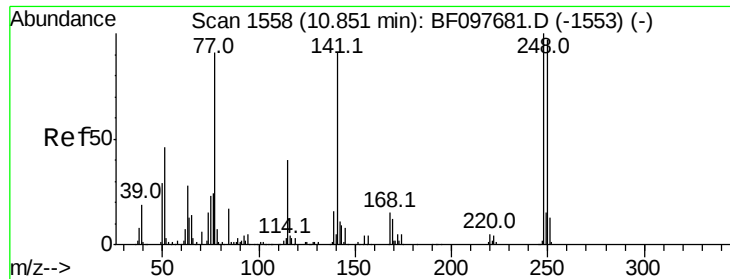


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

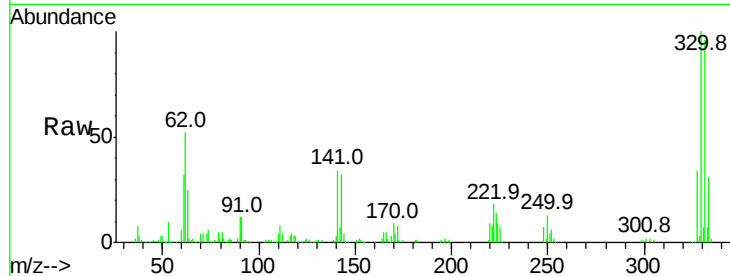




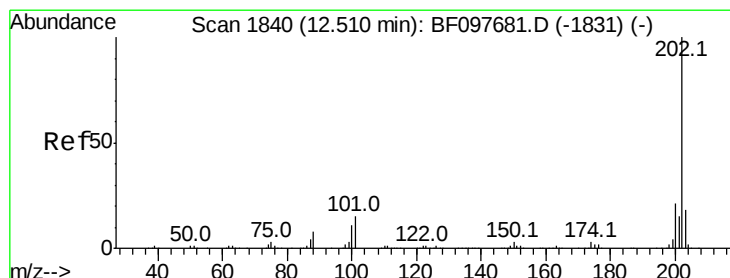
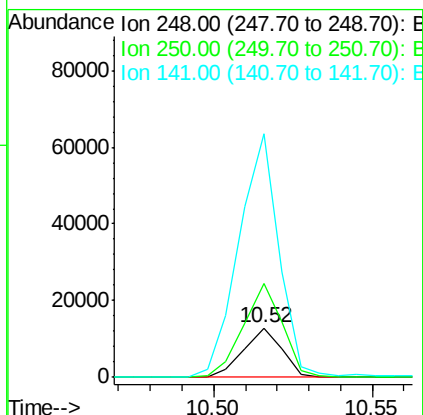
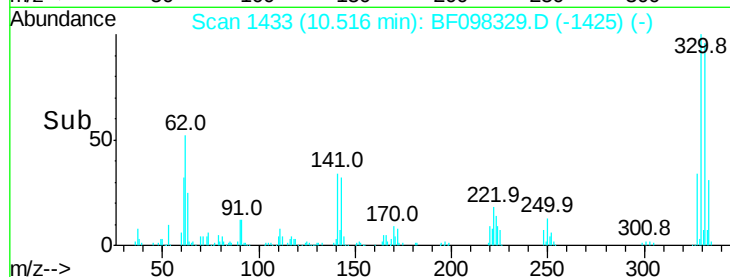
#66
 4-Bromophenyl-phenylether
 Concen: 3.144 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF098329.D
 Acq: 7 Sep 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 G43A-1.5-3

Tot Ion:248 Resp: 10759
 Ion Ratio Lower Upper
 248 100
 250 192.3 76.8 115.2#
 141 496.4 68.6 103.0#

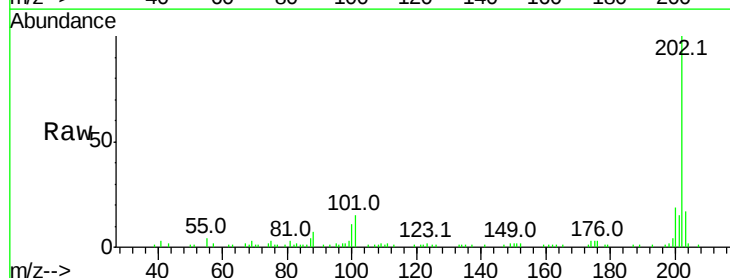


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

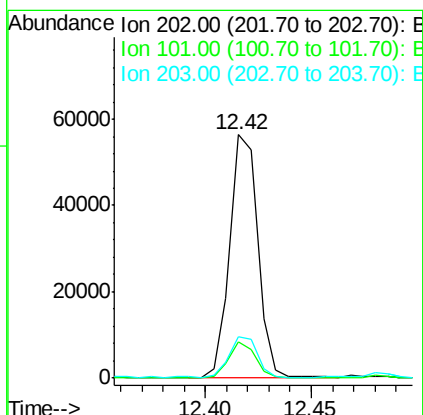
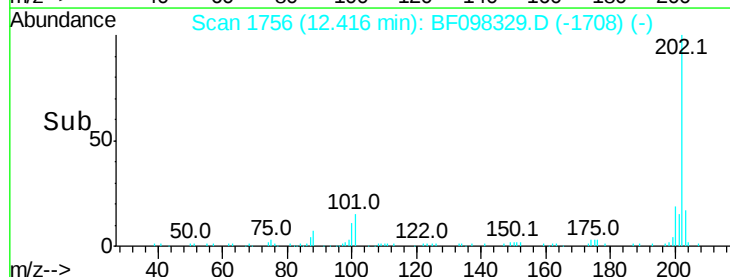


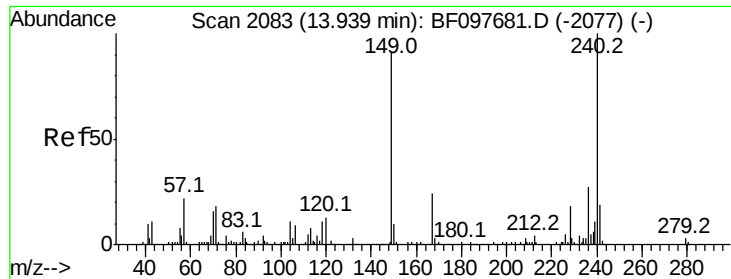
#74
 Fluoranthene
 Concen: 2.835 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.02 min
 Lab File: BF098329.D
 Acq: 7 Sep 2017 22:29

Tgt Ion:202 Resp: 51973
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 33.2
 203 17.0 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# 1999

Delta R.T. -0.02 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Instrument :

BNA_F

ClientSampleId :

G43A-1.5-3

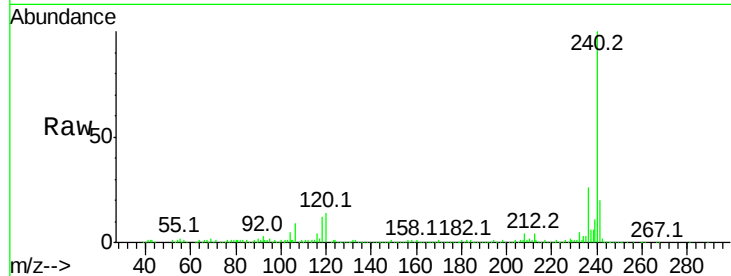
Tot Ion:240 Resp: 265258

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

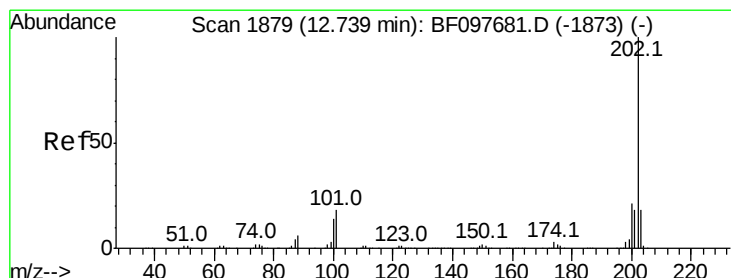
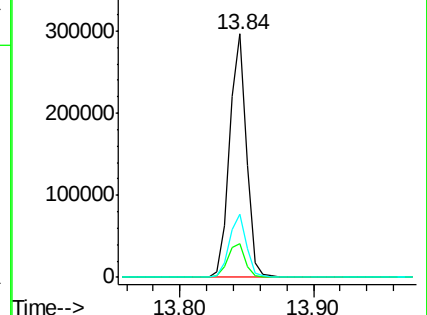
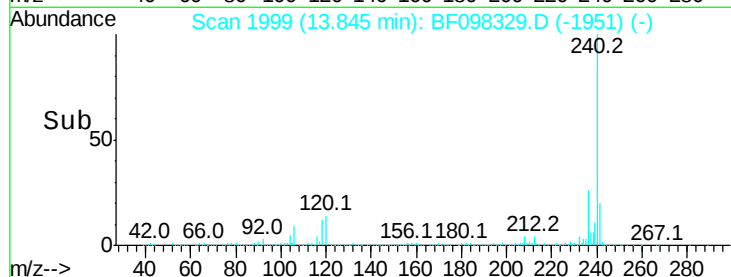
236 25.8 20.5 30.7



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: 2.244 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

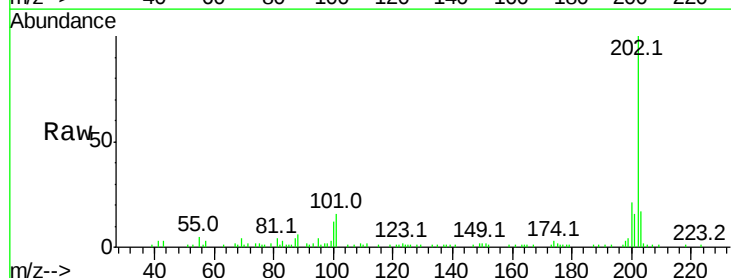
Tgt Ion:202 Resp: 48679

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

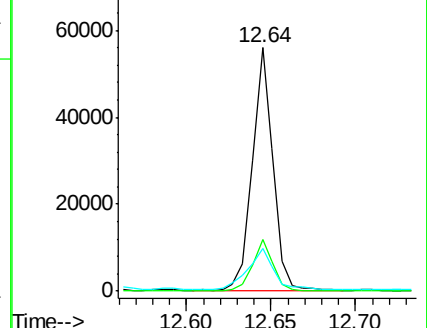
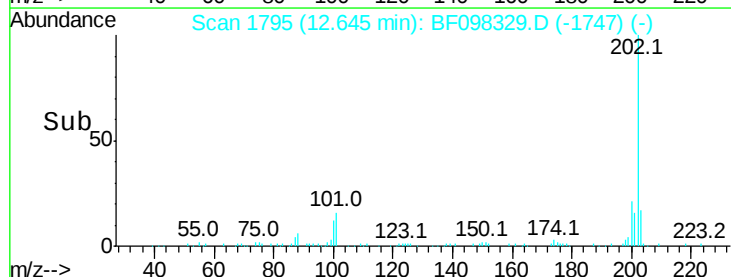
203 17.3 14.4 21.6

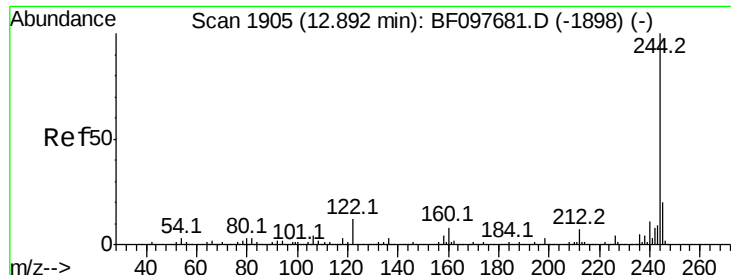


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.664 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Instrument :

BNA_F

ClientSampleId :

G43A-1.5-3

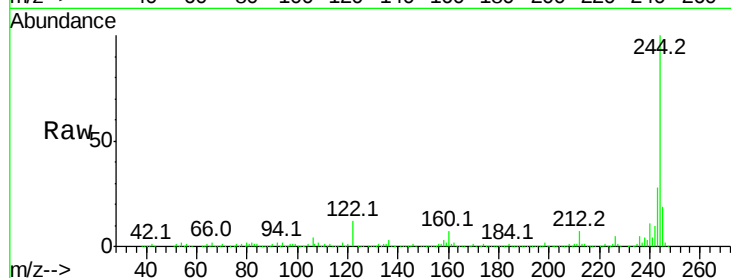
Tot Ion:244 Resp: 631739

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

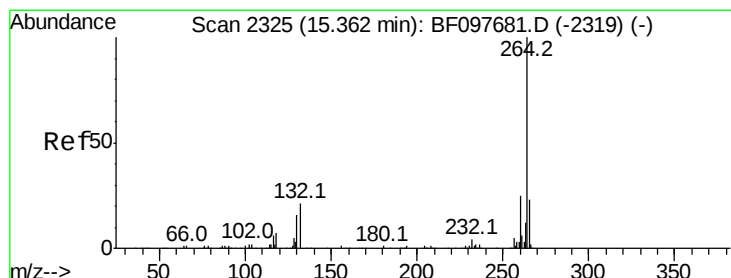
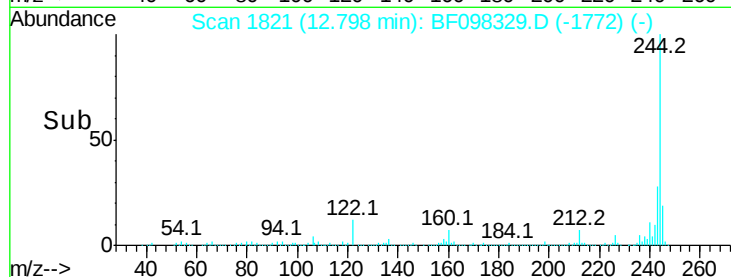
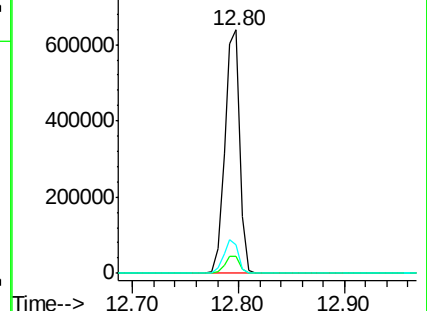
122 11.6 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

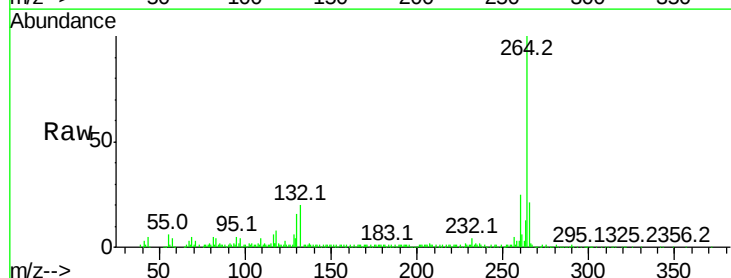
Tgt Ion:264 Resp: 187759

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

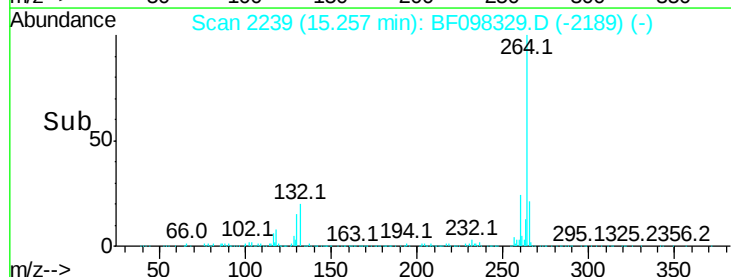
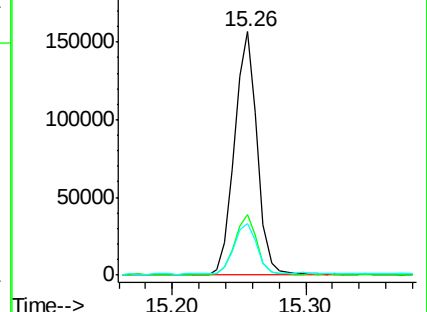
265 21.1 17.2 25.8

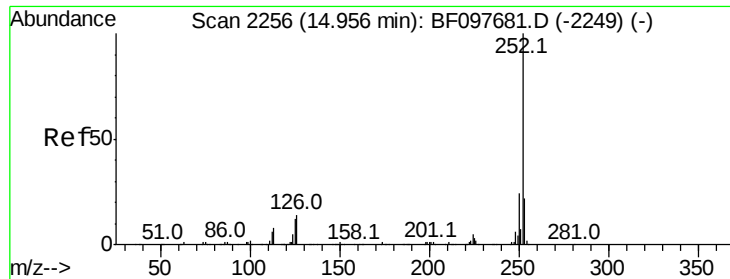


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.824 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

Instrument :

BNA_F

ClientSampleId :

G43A-1.5-3

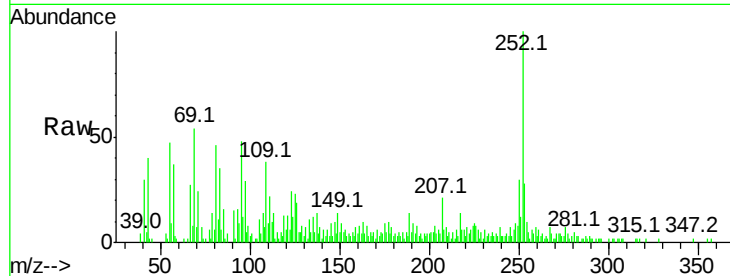
Tot Ion:252 Resp: 33425

Ion Ratio Lower Upper

252 100

253 27.8 18.1 27.1#

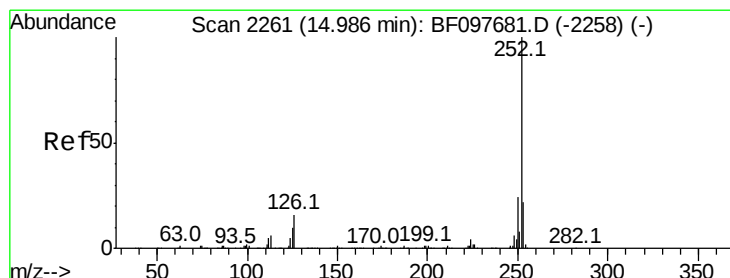
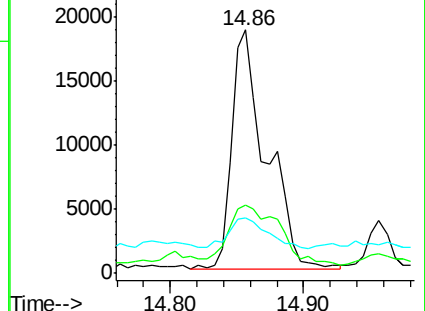
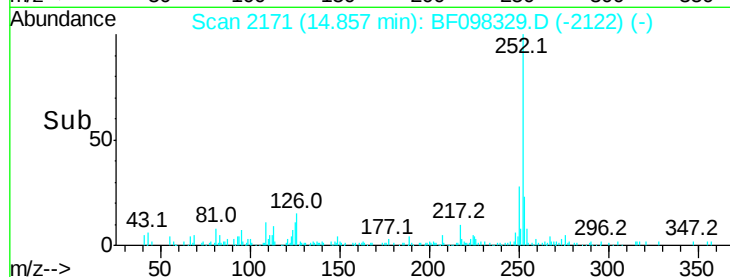
125 23.0 9.8 14.8#



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: 3.006 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF098329.D

Acq: 7 Sep 2017 22:29

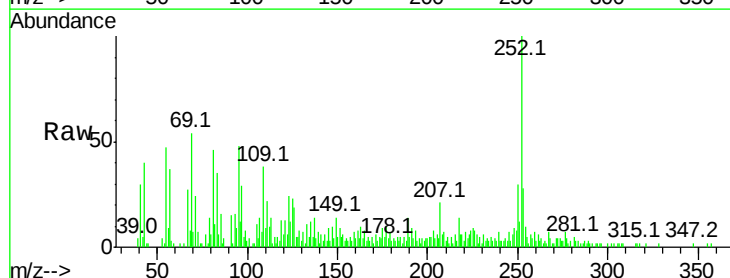
Tgt Ion:252 Resp: 33425

Ion Ratio Lower Upper

252 100

253 27.8 18.4 27.6#

125 23.0 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

