

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098569.D
 Acq On : 15 Sep 2017 15:06
 Operator : SJ/JU
 Sample : I5188-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-4-12.25-24.5

Quant Time: Sep 15 15:46:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 15 13:23:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	140987	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	562740	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	241000	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	378149	20.00	ng	0.00
75) Chrysene-d12	13.80	240	275454	20.00	ng	0.00
86) Perylene-d12	15.21	264	260752	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	781073	81.91	ng	0.00
7) Phenol-d6	6.30	99	999284	82.54	ng	0.00
23) Nitrobenzene-d5	7.22	82	601606	59.60	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	134287	83.49	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	912878	64.20	ng	0.00
78) Terphenyl-d14	12.75	244	553893	43.40	ng	0.00

Target Compounds

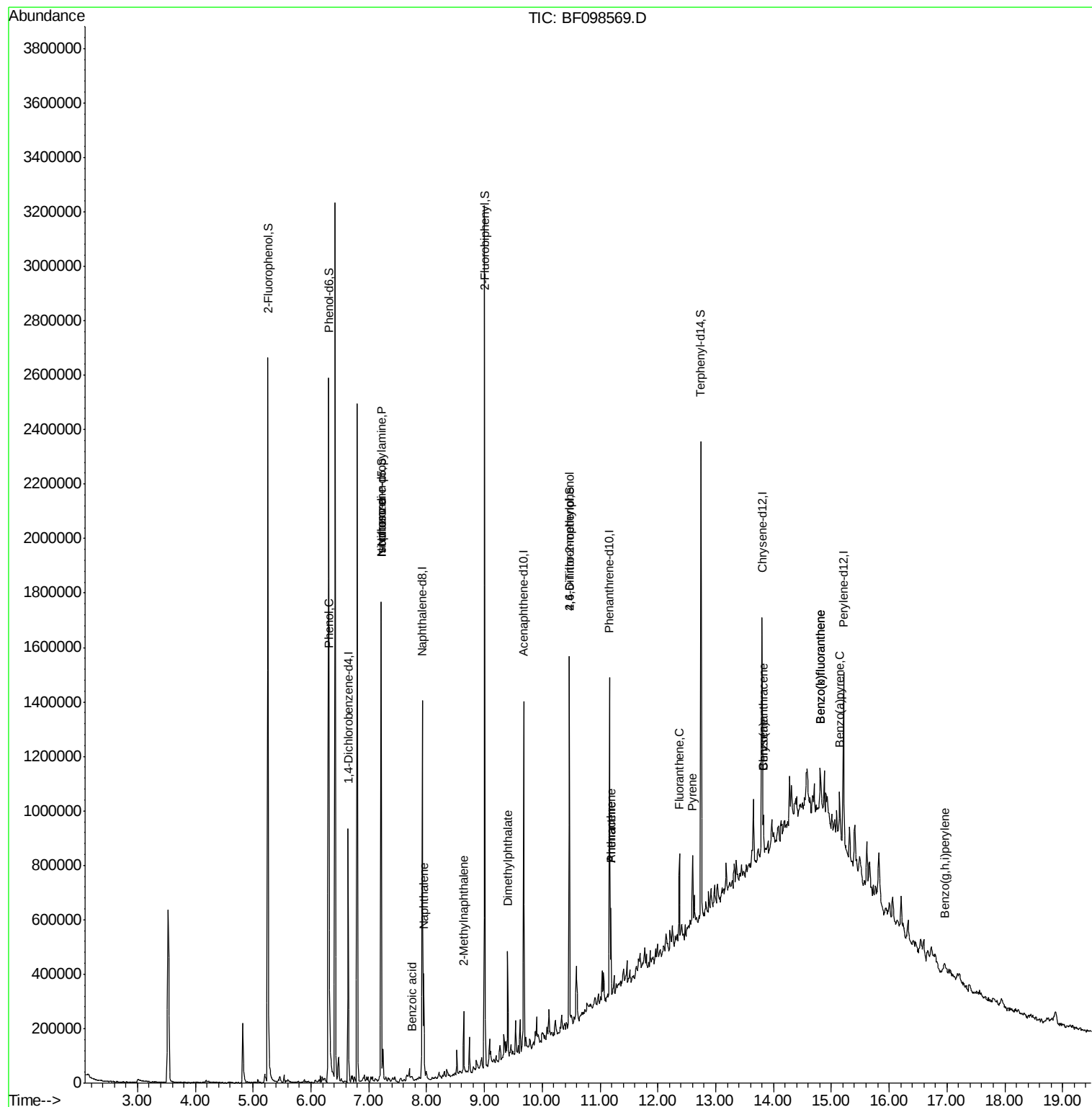
						Qvalue
10) Phenol	6.32	94	28955	2.059	ng	# 72
19) n-Nitroso-di-n-propylamine	7.21	70	77898	10.229	ng	# 81
25) Isophorone	7.22	82	598161	29.289	ng	# 67
31) Naphthalene	7.95	128	159864	5.747	ng	98
32) Benzoic acid	7.76	122	823	8.085	ng	# 56
37) 2-Methylnaphthalene	8.64	142	55224	3.277	ng	98
49) Dimethylphthalate	9.40	163	128550	6.891	ng	99
64) 4,6-Dinitro-2-methylphenol	10.47	198	384	5.113	ng	# 1
70) Phenanthrene	11.19	178	109820	5.478	ng	98
71) Anthracene	11.19	178	109820	5.336	ng	98
74) Fluoranthene	12.37	202	123238	6.141	ng	97
77) Pvrene	12.60	202	109267	5.028	ng	98
80) Benzo(a)anthracene	13.83	228	54034	3.346	ng	95
82) Chrysene	13.83	228	54034	3.310	ng	98
87) Benzo(b)fluoranthene	14.82	252	88062	5.371	ng	# 72
88) Benzo(k)fluoranthene	14.82	252	88062	5.753	ng	# 77
89) Benzo(a)pvrene	15.15	252	44604	3.054	ng	# 77
91) Benzo(g,h,i)perylene	16.95	276	22267	2.084	ng	96

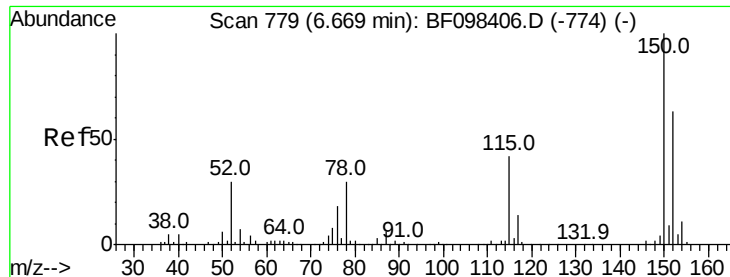
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

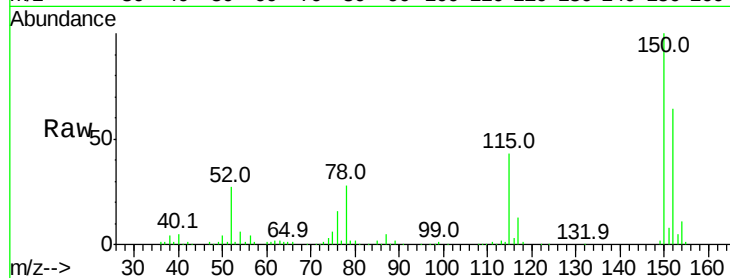
Tot Ion:152 Resp: 140987

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

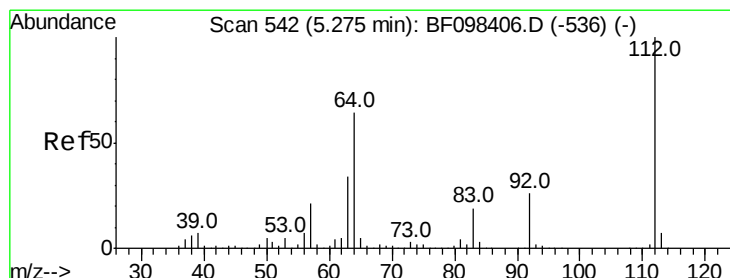
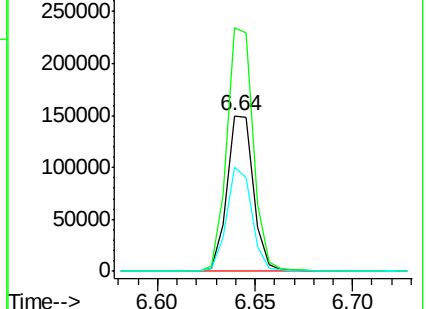
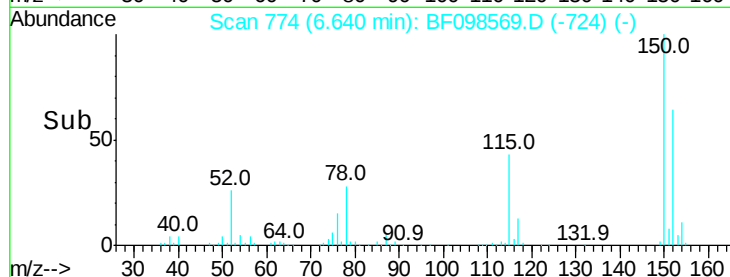
115 66.9 52.2 78.2



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: 81.911 ng

RT: 5.25 min Scan# 538

Delta R.T. 0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

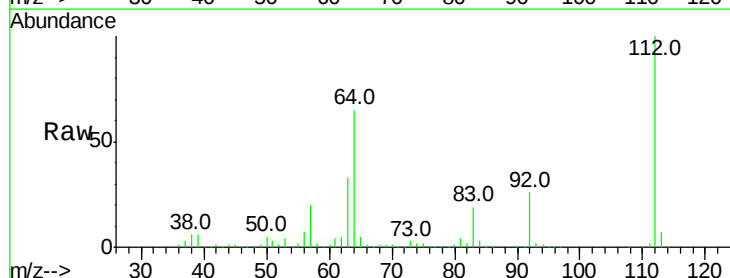
Tgt Ion:112 Resp: 781073

Ion Ratio Lower Upper

112 100

64 65.4 46.0 69.0

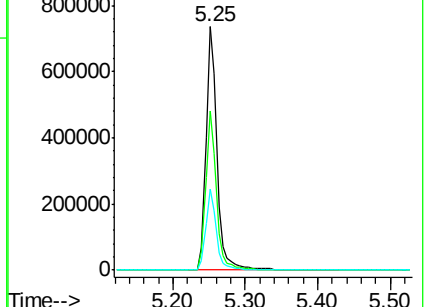
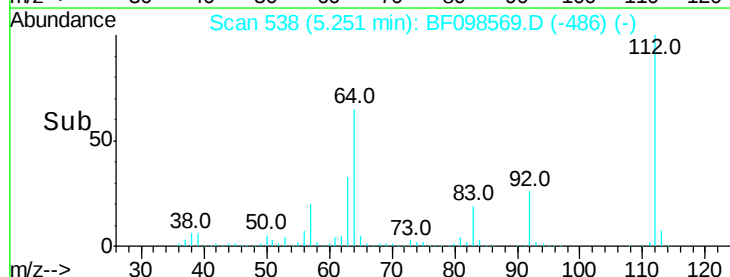
63 33.5 23.4 35.0

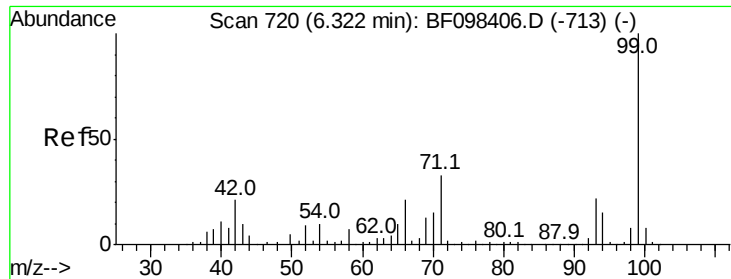


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.537 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

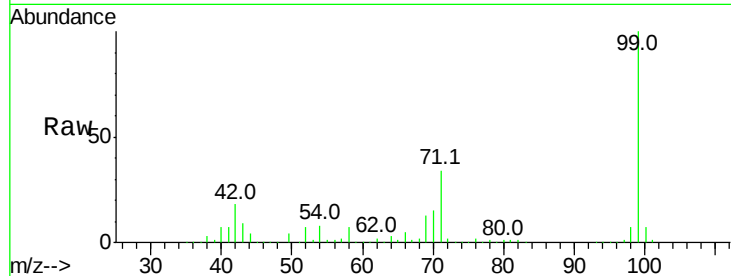
Tot Ion: 99 Resp: 999284

Ion Ratio Lower Upper

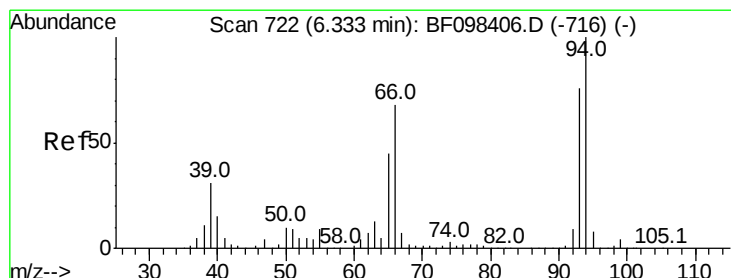
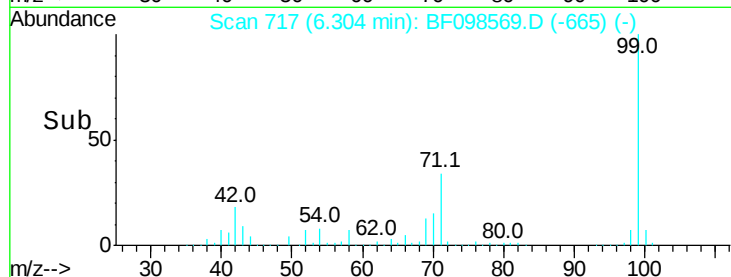
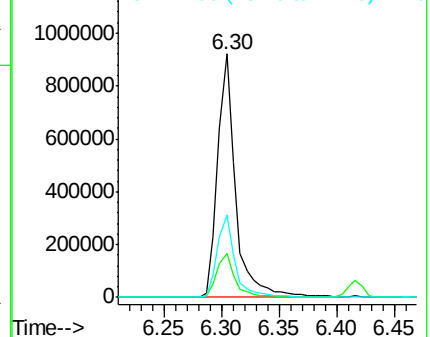
99 100

42 18.1 13.5 20.3

71 34.0 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



#10

Phenol

Concen: 2.059 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

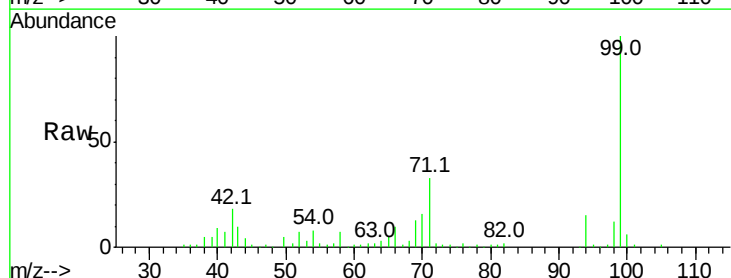
Tgt Ion: 94 Resp: 28955

Ion Ratio Lower Upper

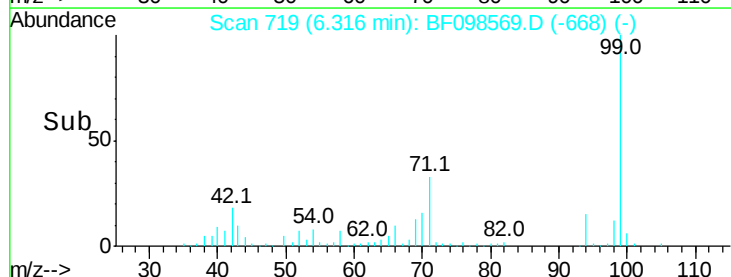
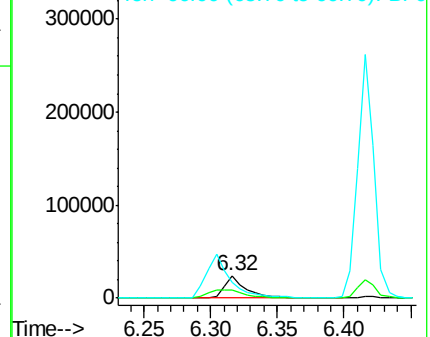
94 100

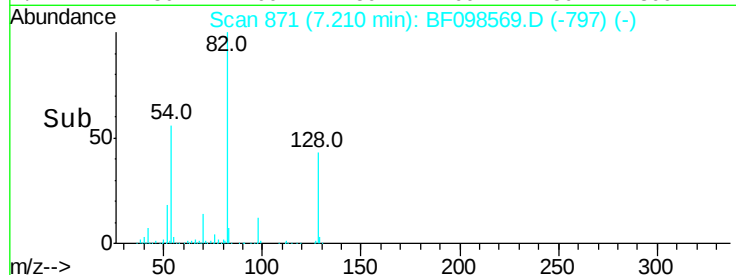
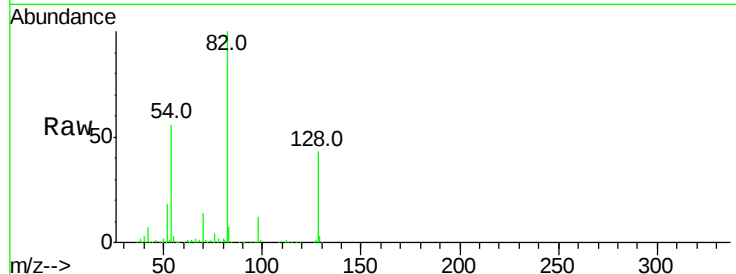
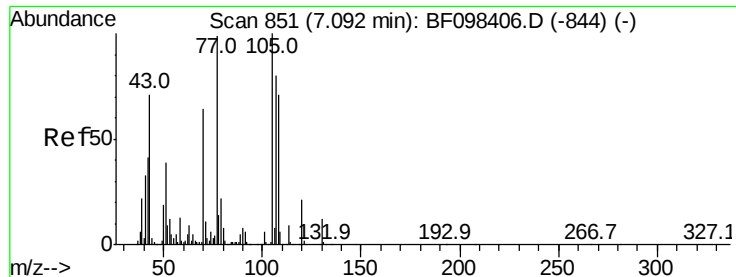
65 36.9 9.9 49.9

66 67.9 23.1 63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

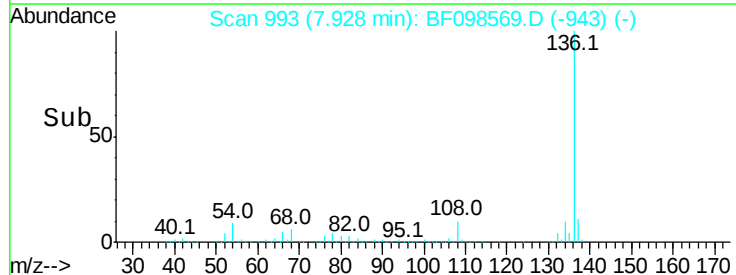
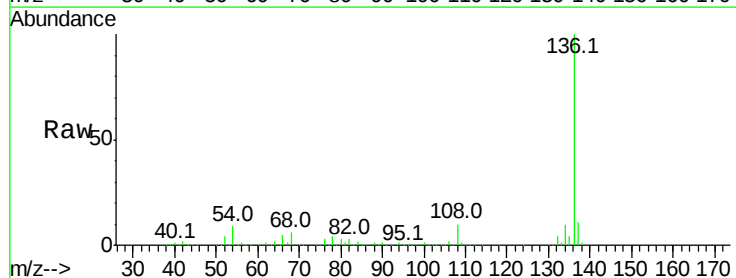
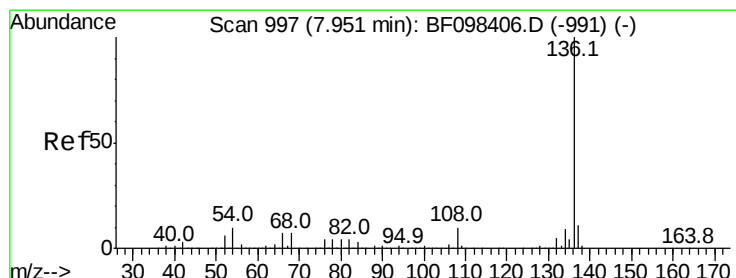
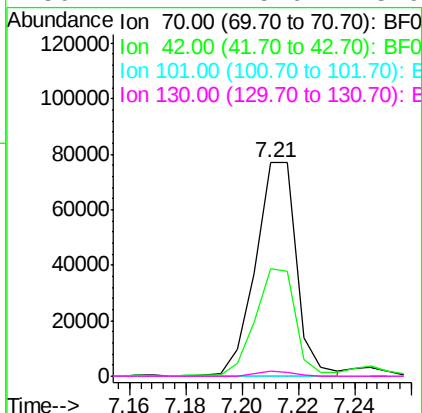




#19
n-Nitroso-di-n-propylamine
Concen: 10.229 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.14 min
Lab File: BF098569.D
Acq: 15 Sep 2017 15:06

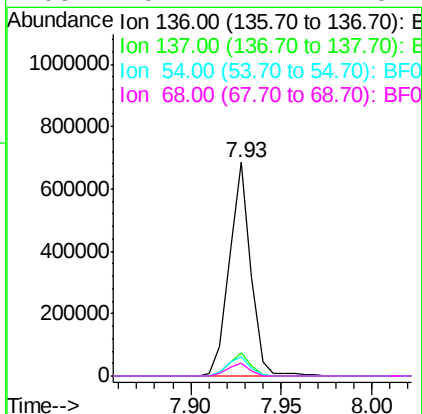
Instrument :
BNA_F
ClientSampleId :
RL-4-12.25-24.5

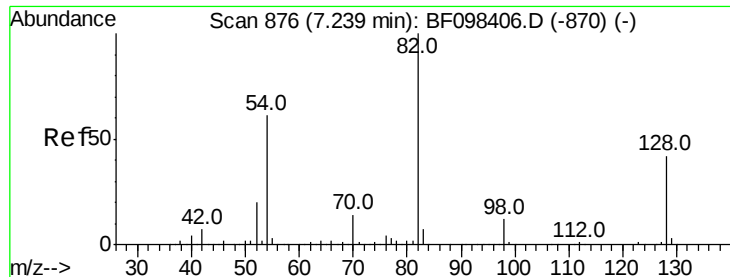
Tot Ion:	70	Resp:	77898
Ion	Ratio	Lower	Upper
70	100		
42	50.3	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF098569.D
Acq: 15 Sep 2017 15:06

Tgt Ion:	136	Resp:	562740
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	8.7	4.9	7.3#
68	6.2	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 59.600 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

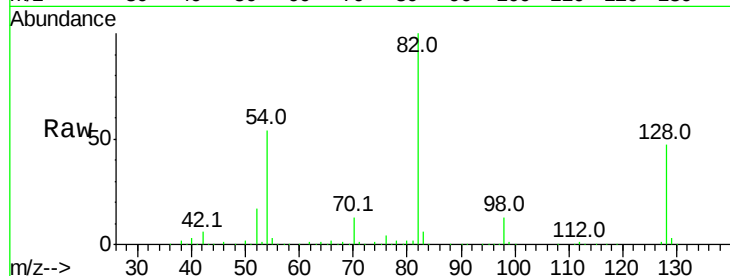
Tot Ion: 82 Resp: 601606

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

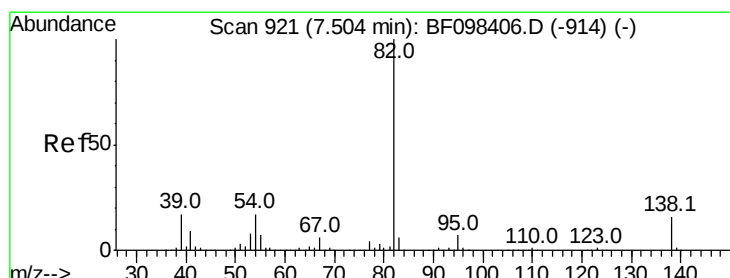
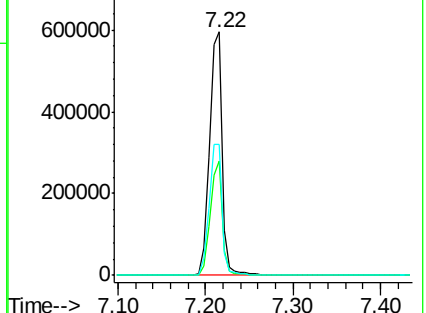
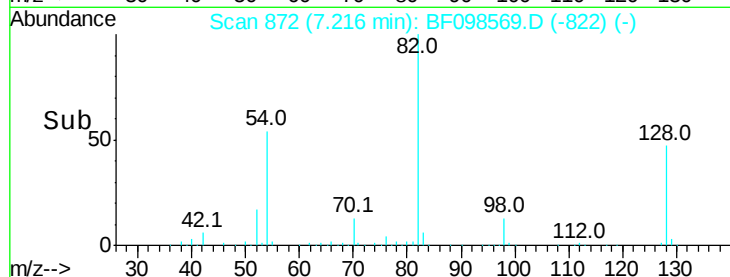
54 53.7 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 29.289 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

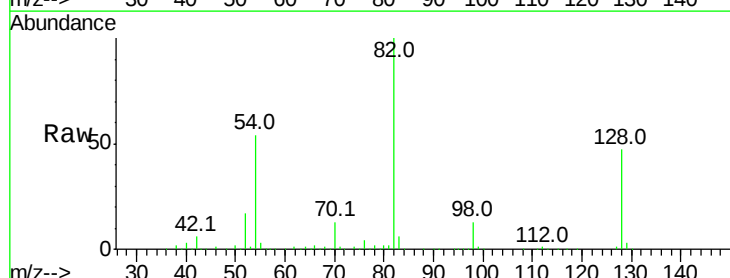
Tgt Ion: 82 Resp: 598161

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

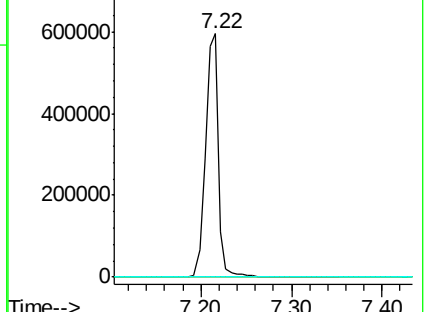
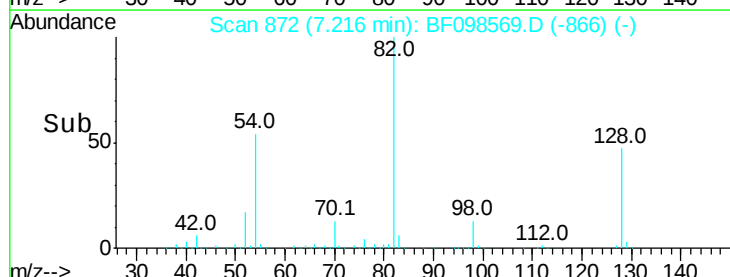
138 0.0 13.1 19.7#

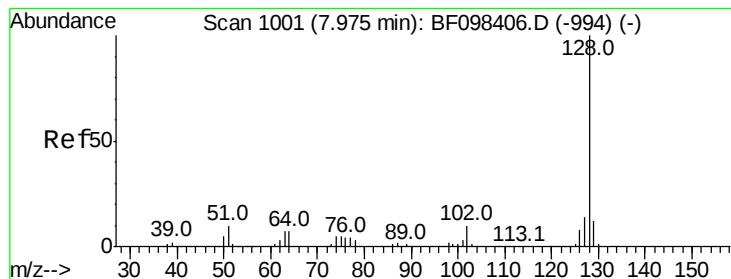


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 5.747 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

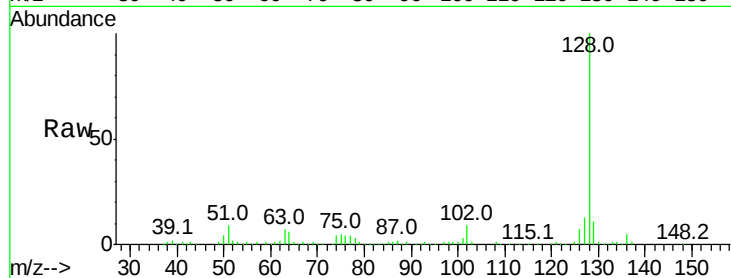
Tot Ion:128 Resp: 159864

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

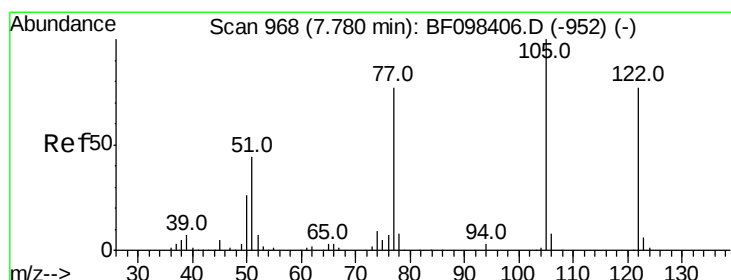
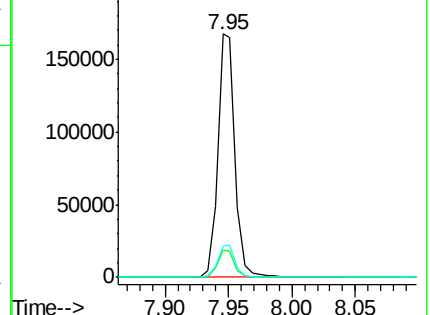
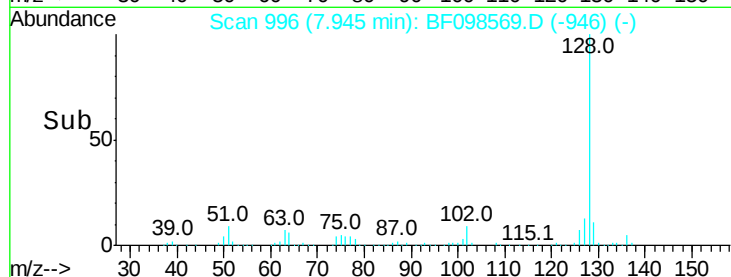
127 12.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.085 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

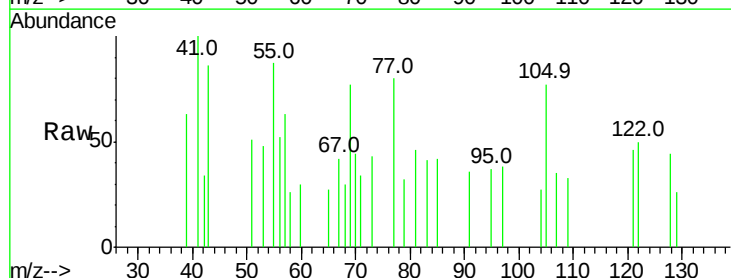
Tgt Ion:122 Resp: 823

Ion Ratio Lower Upper

122 100

105 153.1 103.3 143.3#

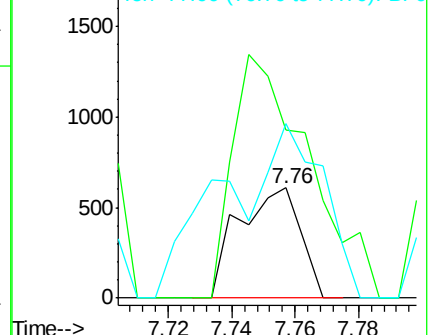
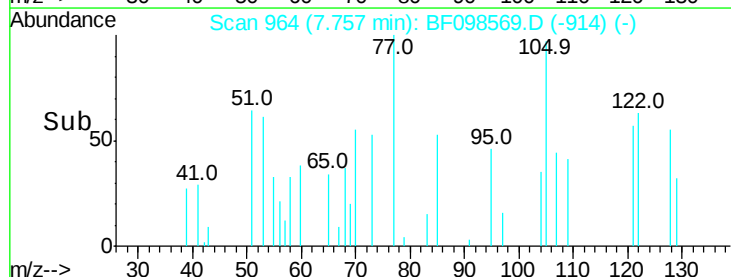
77 158.1 73.7 113.7#

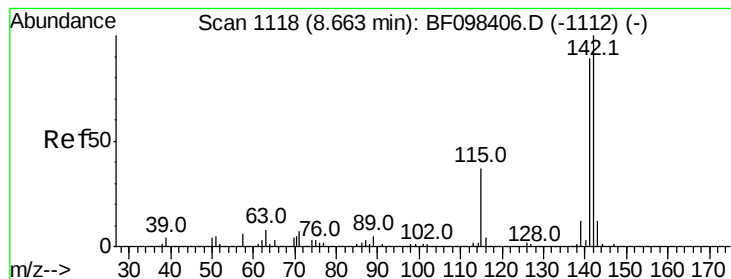


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

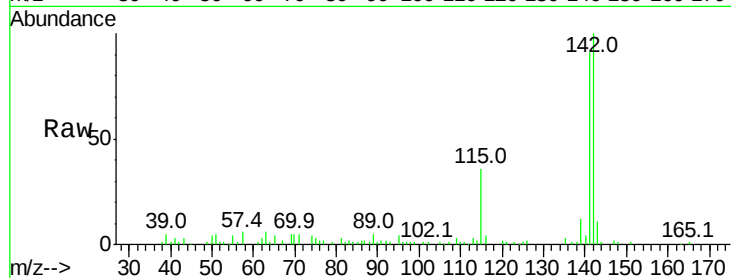




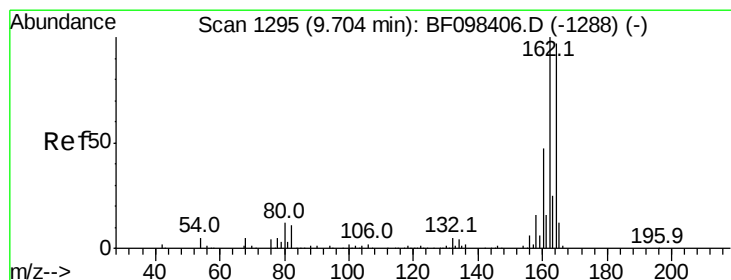
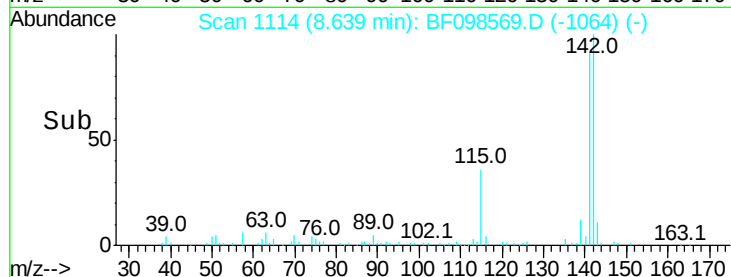
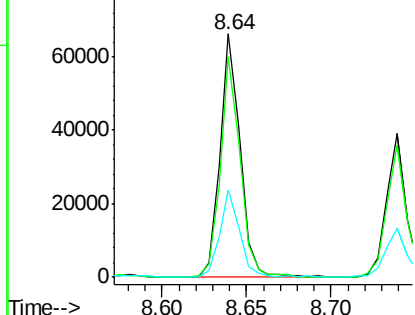
#37
 2-Methylnaphthalene
 Concen: 3.277 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BF098569.D
 Acq: 15 Sep 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 RL-4-12.25-24.5

Tot Ion:142 Resp: 55224
 Ion Ratio Lower Upper
 142 100
 141 90.8 71.3 106.9
 115 35.8 27.1 40.7

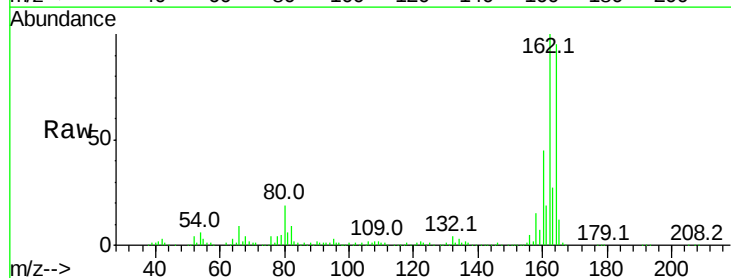


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

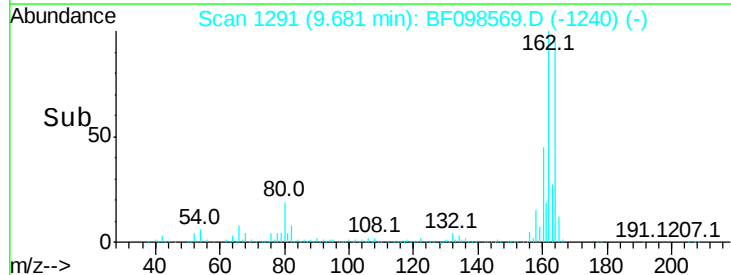
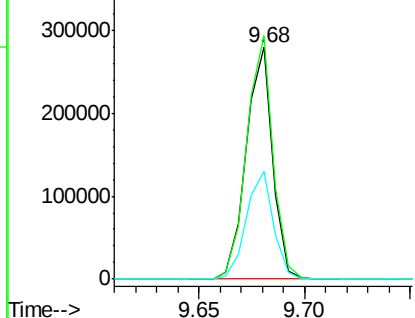


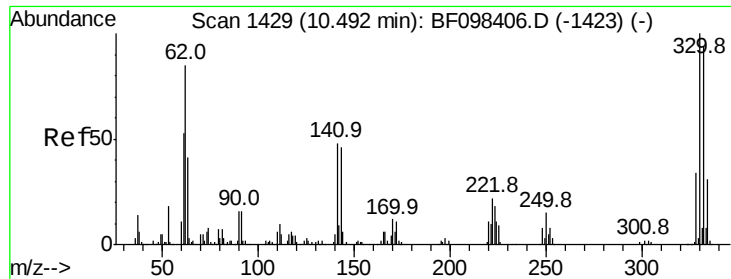
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: BF098569.D
 Acq: 15 Sep 2017 15:06

Tgt Ion:164 Resp: 241000
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.6 123.8
 160 46.8 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

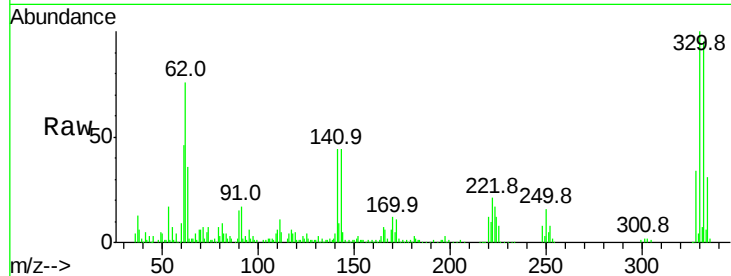




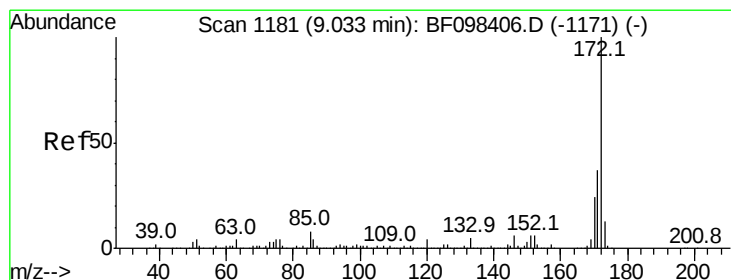
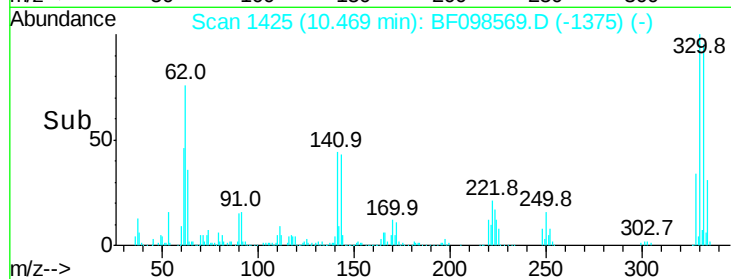
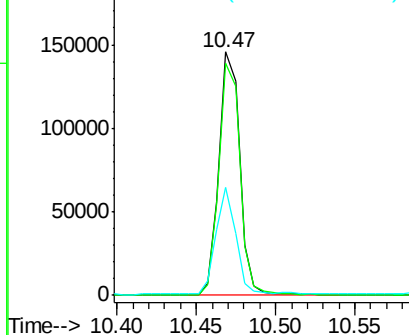
#41
 2,4,6-Tribromophenol
 Concen: 83.487 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF098569.D
 Acq: 15 Sep 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 RL-4-12.25-24.5

Tot Ion:330 Resp: 134287
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 43.6 31.4 47.2

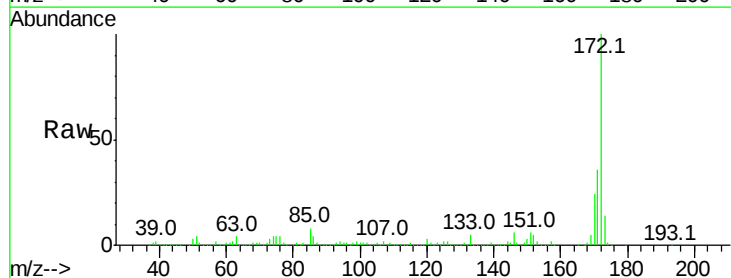


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

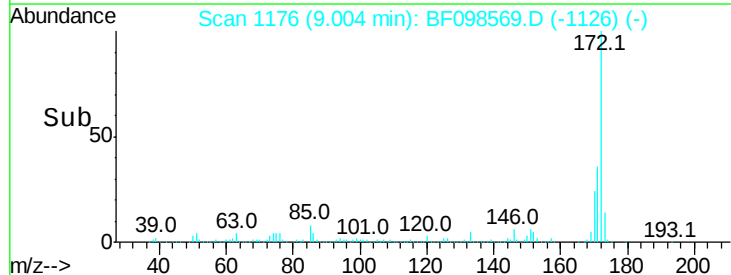
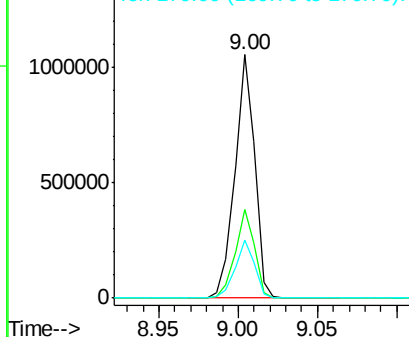


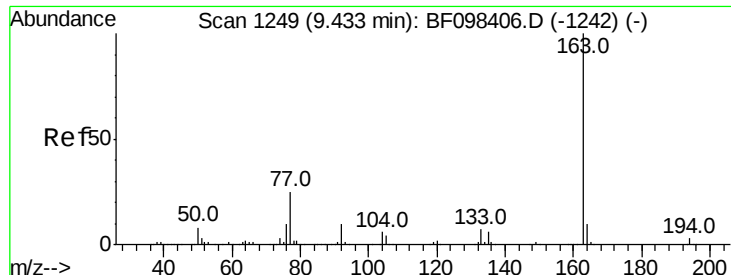
#44
 2-Fluorobiphenyl
 Concen: 64.201 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF098569.D
 Acq: 15 Sep 2017 15:06

Tgt Ion:172 Resp: 912878
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.6 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

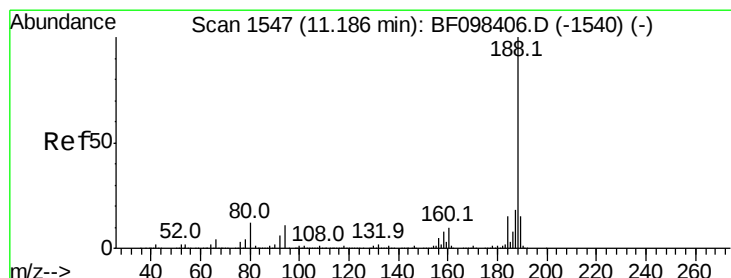
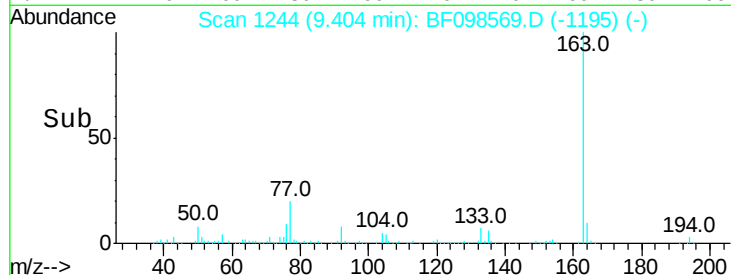
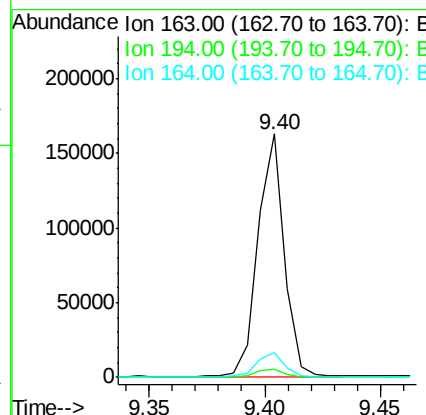
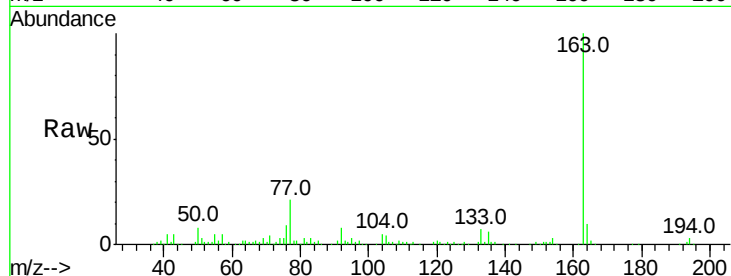




#49
Dimethylphthalate
Concen: 6.891 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF098569.D
Acq: 15 Sep 2017 15:06

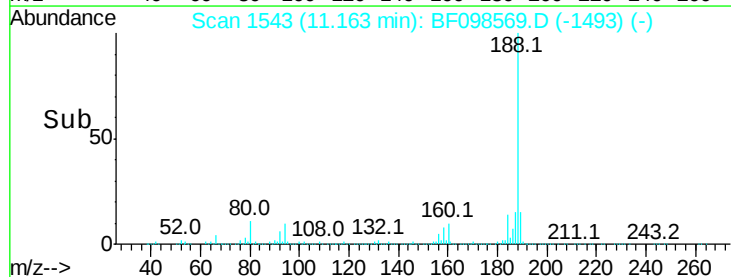
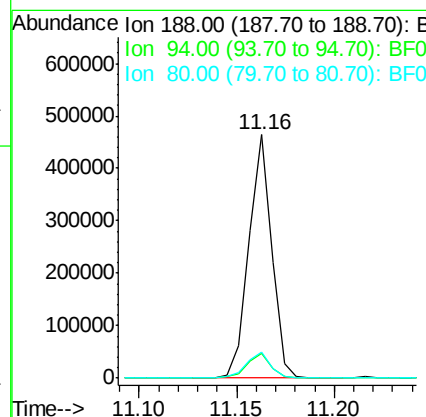
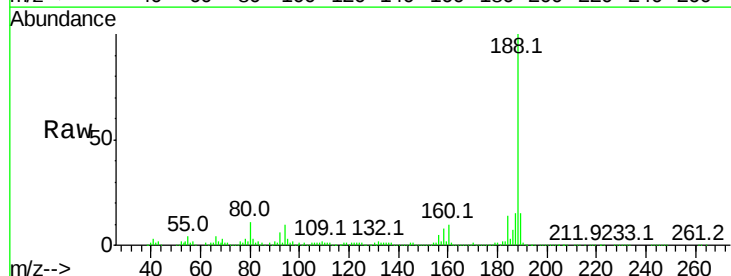
Instrument :
BNA_F
ClientSampleId :
RL-4-12.25-24.5

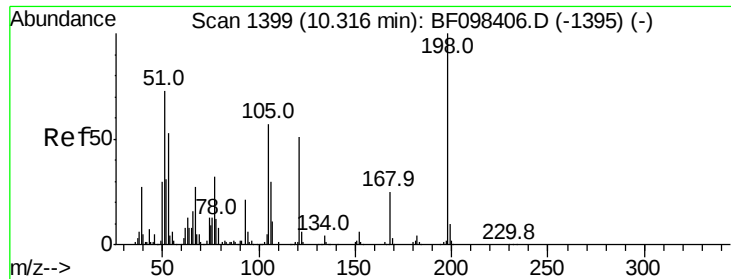
Tot Ion:163 Resp: 128550
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.9 8.4 12.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098569.D
Acq: 15 Sep 2017 15:06

Tgt Ion:188 Resp: 378149
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.8 10.2 15.2

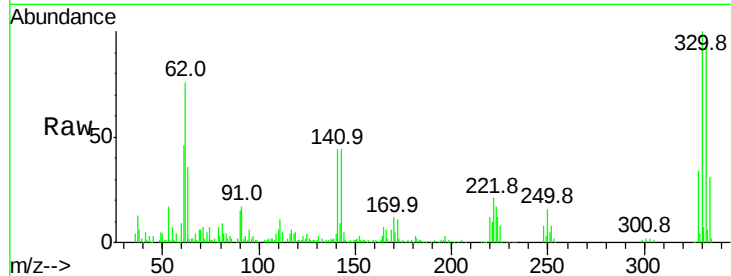




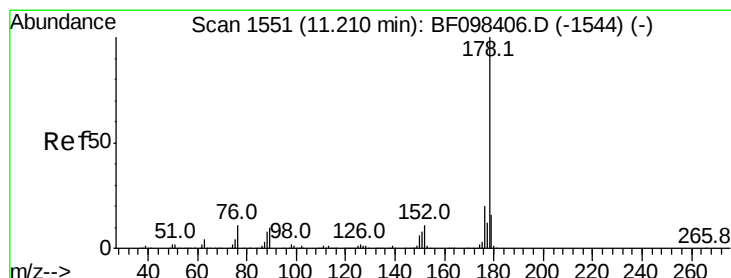
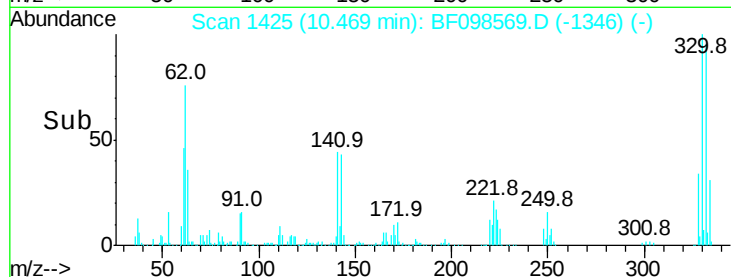
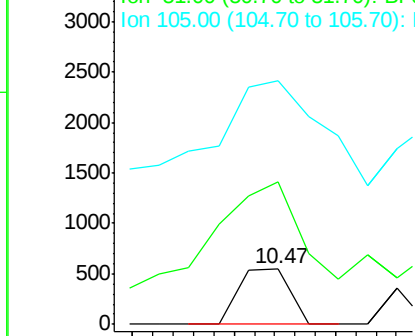
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.113 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.16 min
 Lab File: BF098569.D
 Acq: 15 Sep 2017 15:06

Instrument :
 BNA_F
 ClientSampleId :
 RL-4-12.25-24.5

Tot Ion:198 Resp: 384
 Ion Ratio Lower Upper
 198 100
 51 255.7 53.2 93.2#
 105 436.2 45.8 85.8#

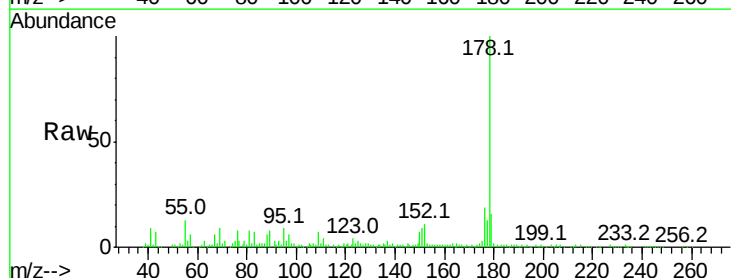


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

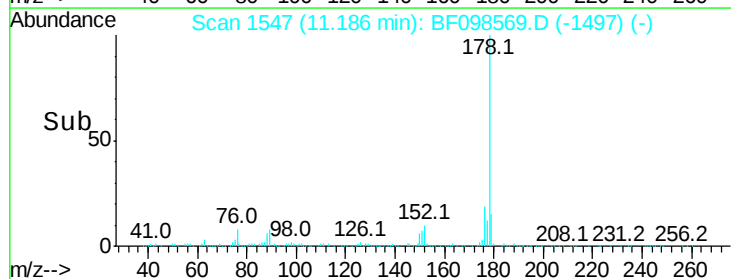
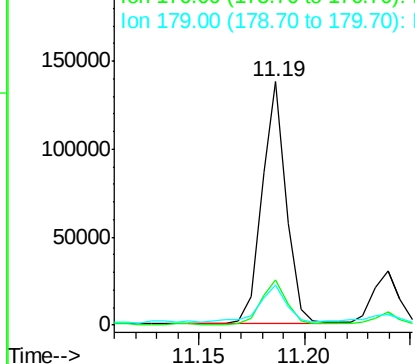


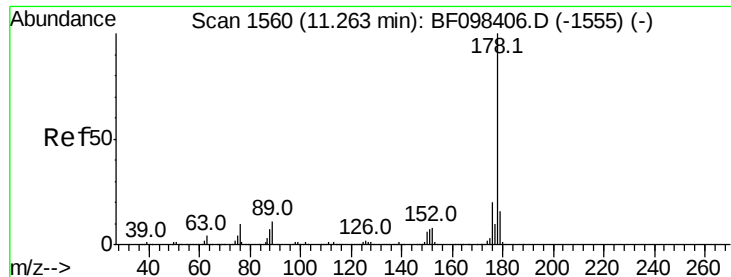
#70
 Phenanthrene
 Concen: 5.478 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF098569.D
 Acq: 15 Sep 2017 15:06

Tgt Ion:178 Resp: 109820
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 16.3 12.6 19.0



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





#71

Anthracene

Concen: 5.336 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.06 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

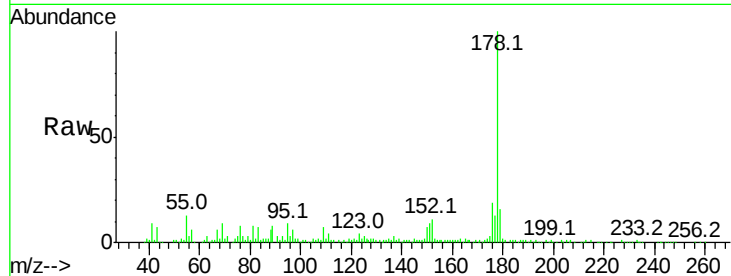
Tot Ion:178 Resp: 109820

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

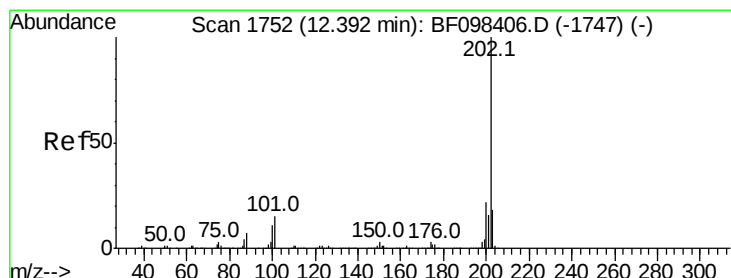
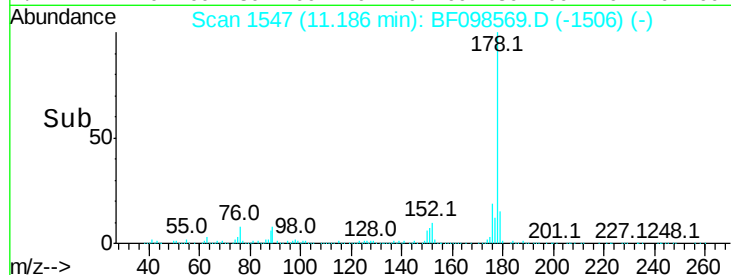
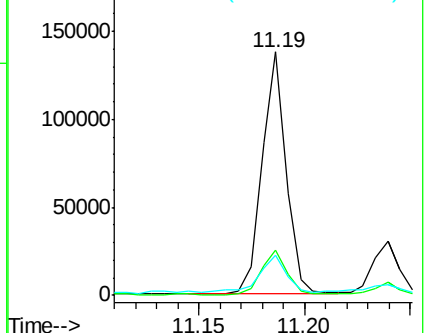
179 16.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.141 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

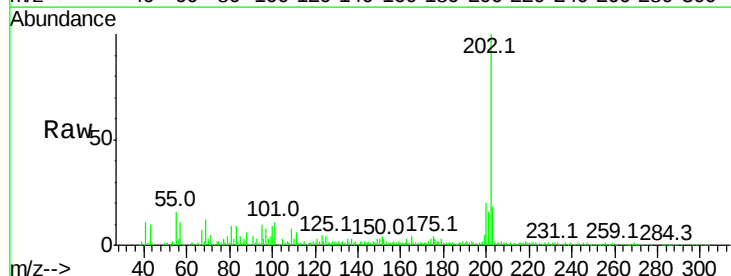
Tgt Ion:202 Resp: 123238

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.2

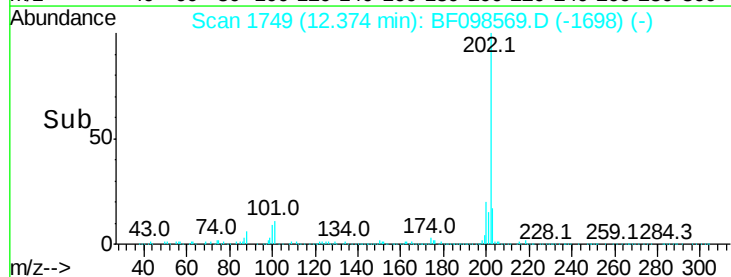
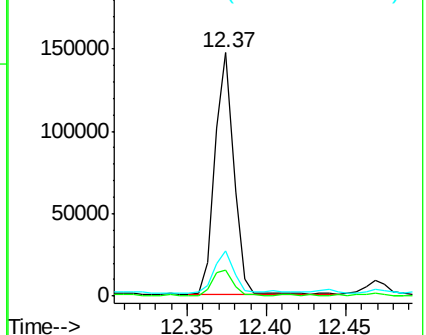
203 18.3 0.0 38.1

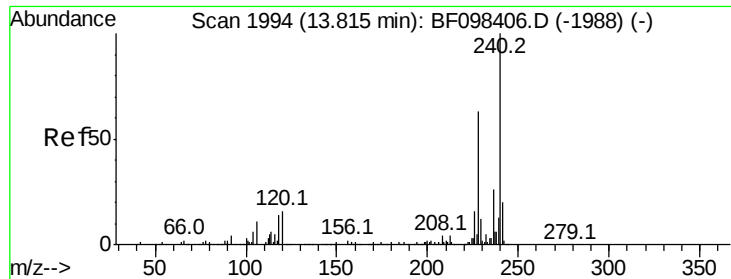


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

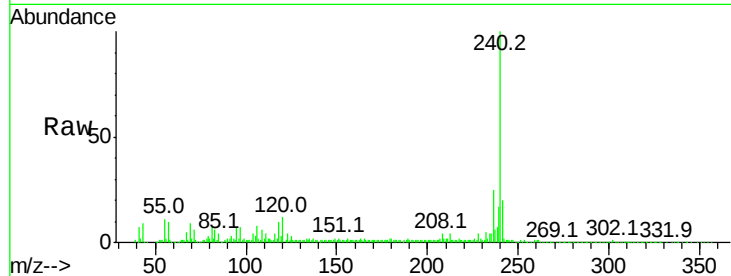
Tot Ion:240 Resp: 275454

Ion Ratio Lower Upper

240 100

120 11.9 5.8 8.8#

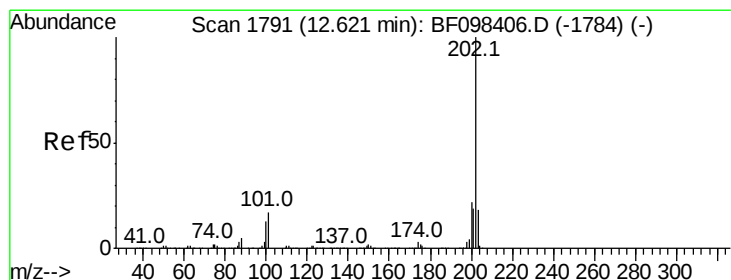
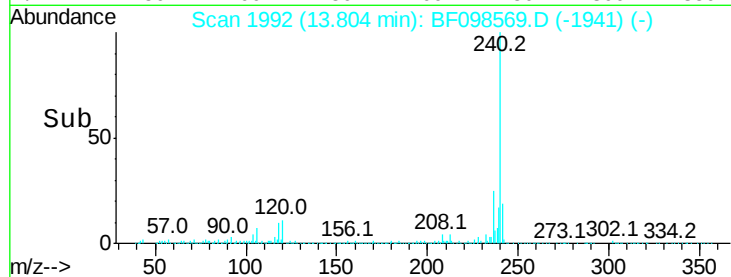
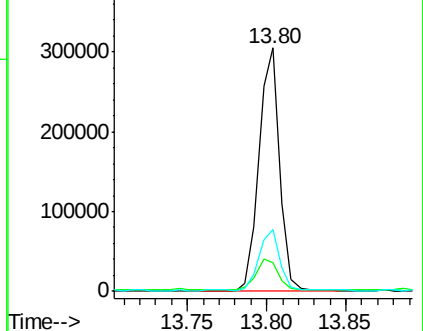
236 25.5 20.5 30.7



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: 5.028 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

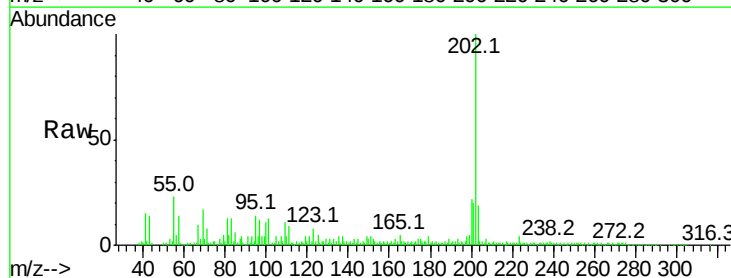
Tgt Ion:202 Resp: 109267

Ion Ratio Lower Upper

202 100

200 22.5 17.6 26.4

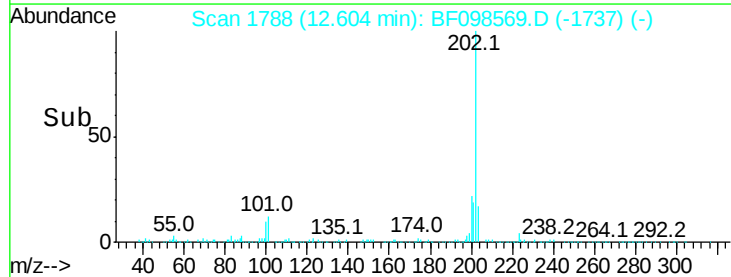
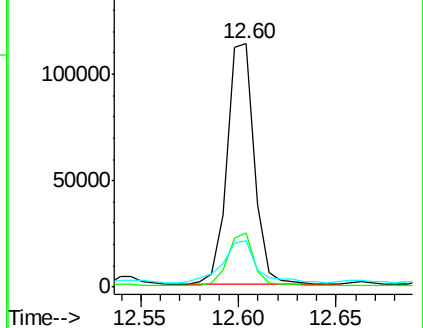
203 19.0 14.4 21.6

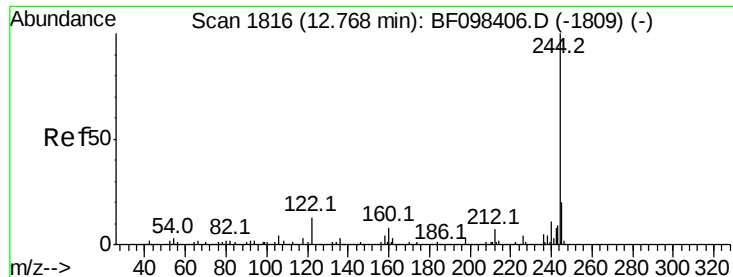


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.403 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

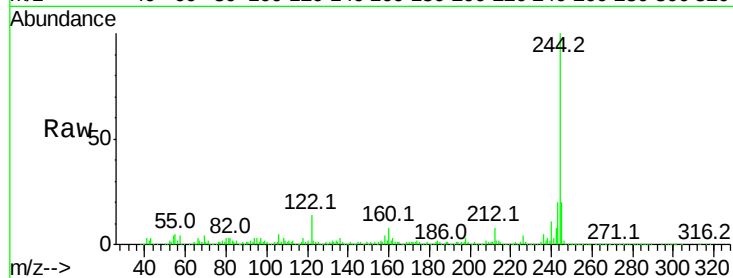
Tot Ion:244 Resp: 553893

Ion Ratio Lower Upper

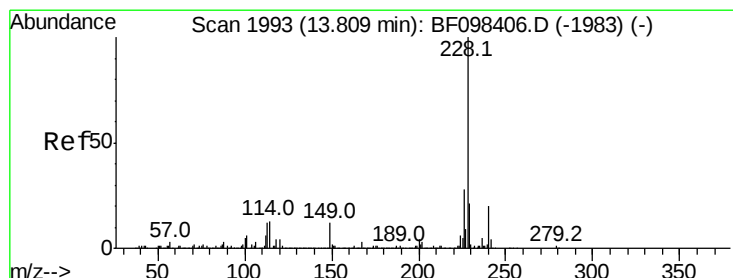
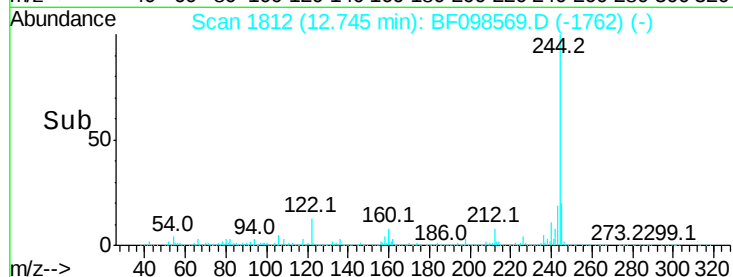
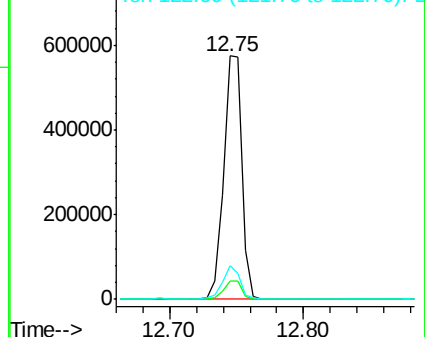
244 100

212 7.7 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: 3.346 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.04 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

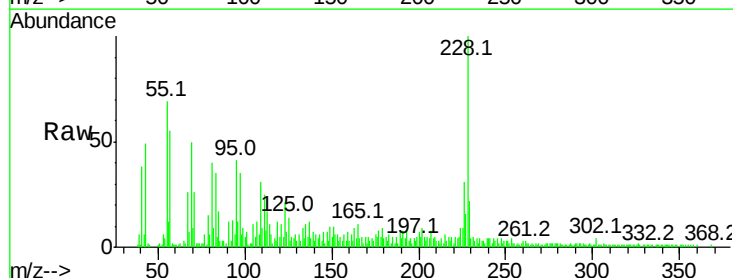
Tgt Ion:228 Resp: 54034

Ion Ratio Lower Upper

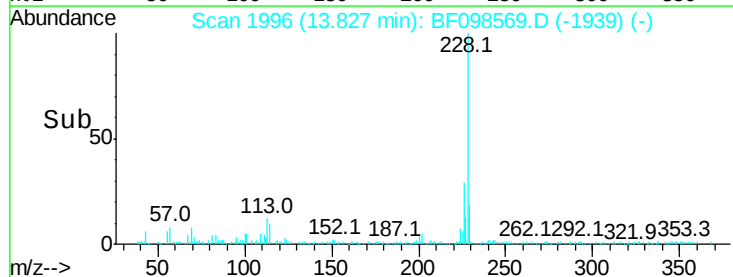
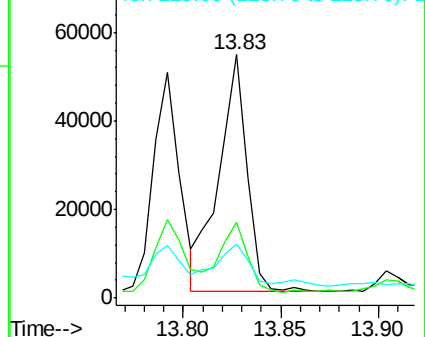
228 100

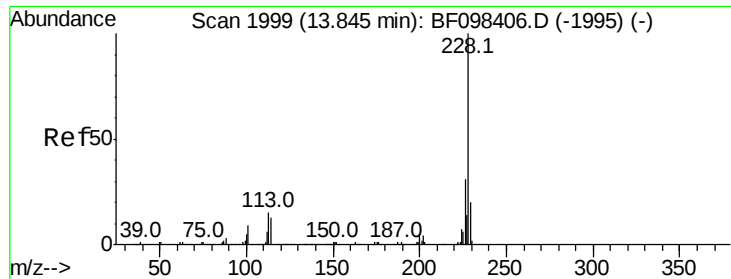
226 31.4 22.6 33.8

229 22.3 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: 3.310 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

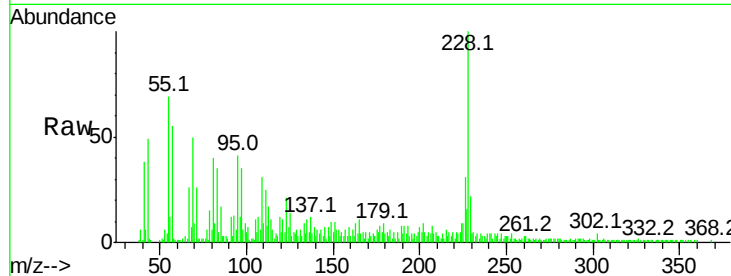
Tot Ion:228 Resp: 54034

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

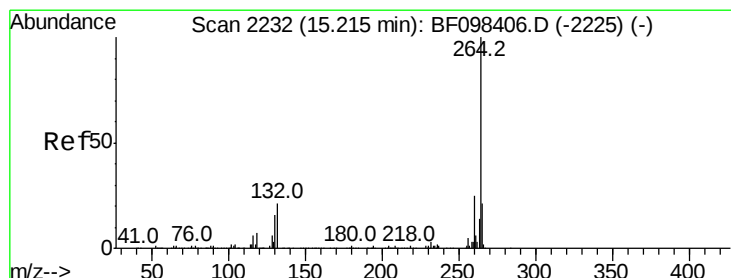
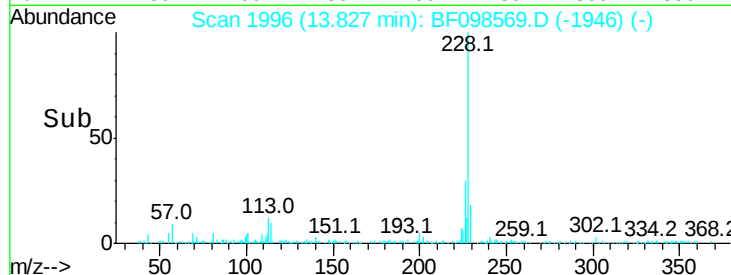
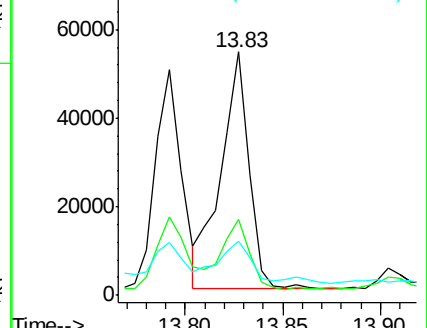
229 22.3 15.8 23.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

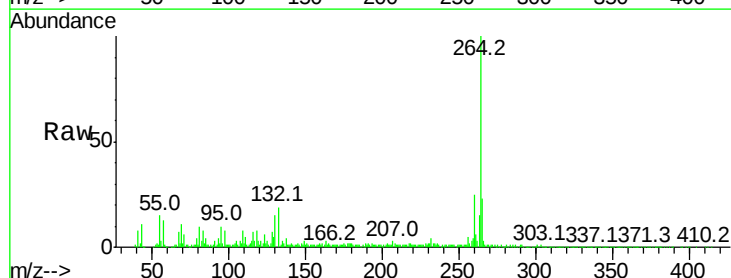
Tgt Ion:264 Resp: 260752

Ion Ratio Lower Upper

264 100

260 25.3 19.5 29.3

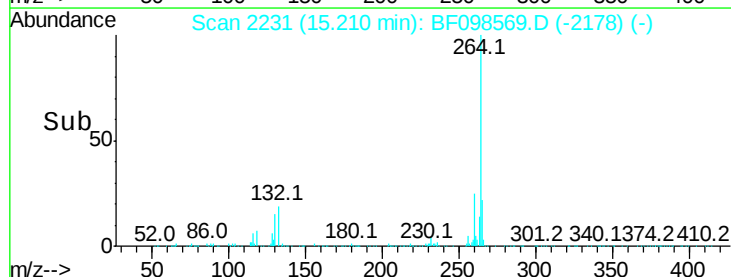
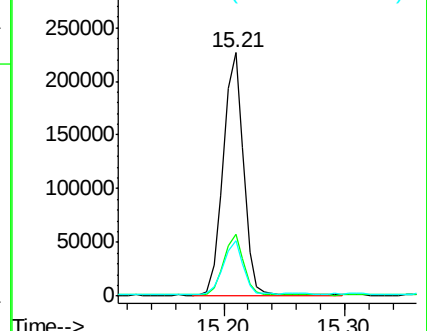
265 22.6 17.2 25.8

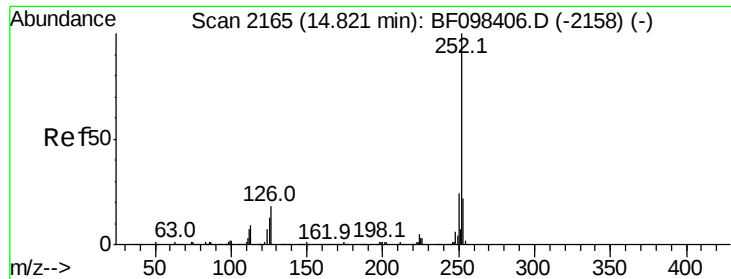


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.371 ng

RT: 14.82 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

Instrument :

BNA_F

ClientSampleId :

RL-4-12.25-24.5

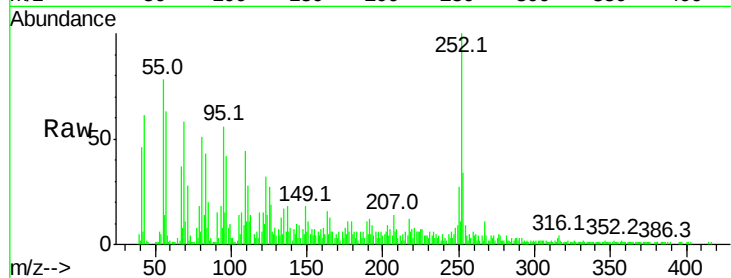
Tot Ion:252 Resp: 88062

Ion Ratio Lower Upper

252 100

253 33.9 18.1 27.1#

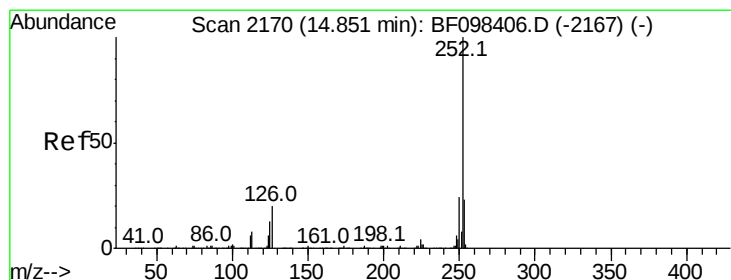
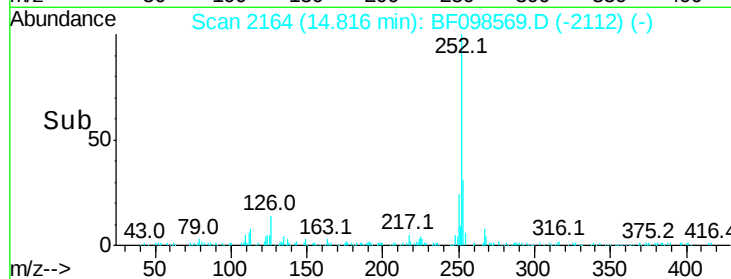
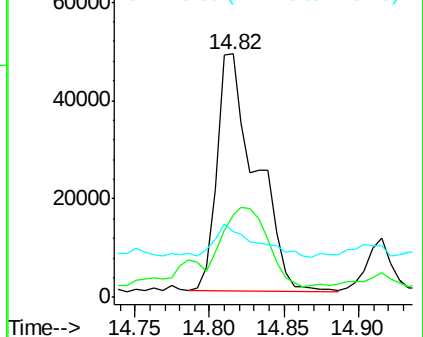
125 26.8 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.753 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.02 min

Lab File: BF098569.D

Acq: 15 Sep 2017 15:06

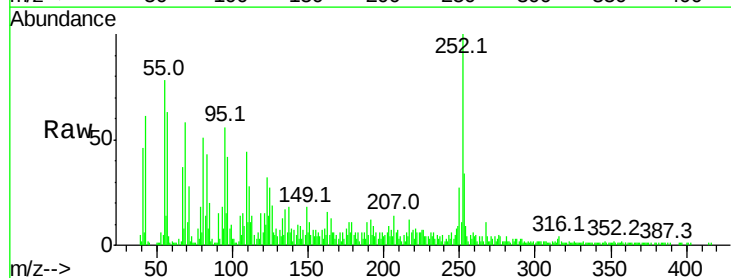
Tgt Ion:252 Resp: 88062

Ion Ratio Lower Upper

252 100

253 33.9 18.4 27.6#

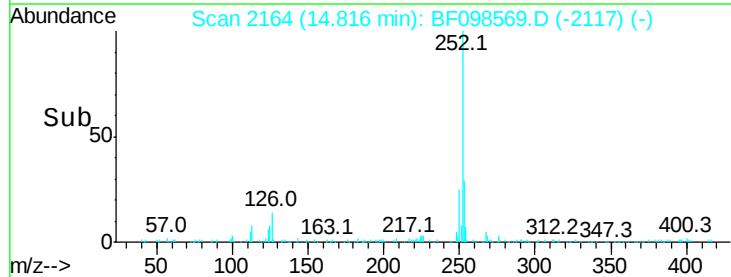
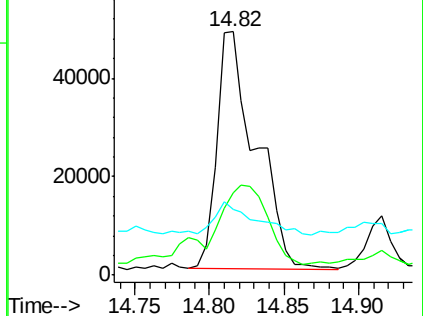
125 26.8 13.1 19.7#

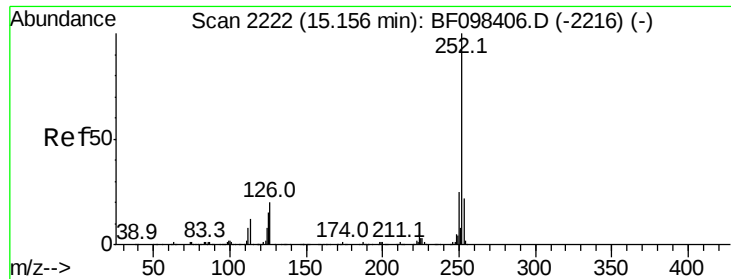


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

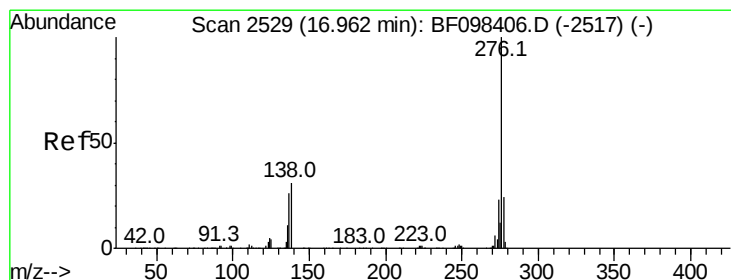
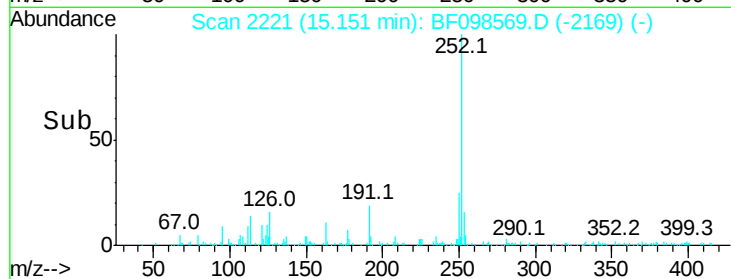
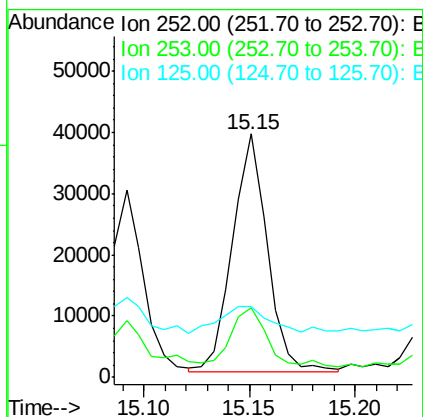
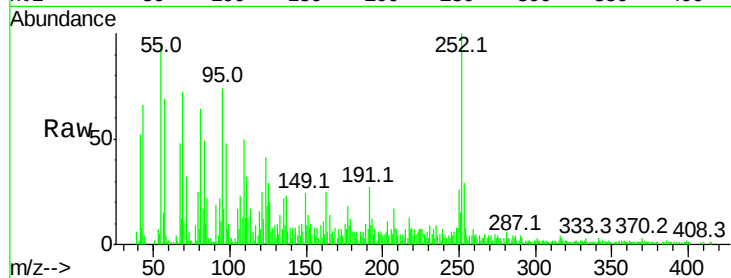




#89
Benzo(a)pyrene
Concen: 3.054 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF098569.D
Acq: 15 Sep 2017 15:06

Instrument :
BNA_F
ClientSampled :
RL-4-12.25-24.5

Tot Ion:252 Resp: 44604
Ion Ratio Lower Upper
252 100
253 28.6 17.5 26.3#
125 29.1 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.084 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.01 min
Lab File: BF098569.D
Acq: 15 Sep 2017 15:06

Tgt Ion:276 Resp: 22267
Ion Ratio Lower Upper
276 100
277 26.2 18.6 28.0
138 30.3 25.4 38.0

