

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098561.D
 Acq On : 15 Sep 2017 11:23
 Operator : SJ/JU
 Sample : I5161-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-14-0-14.25

Quant Time: Sep 15 13:23:57 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	133239	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	561073	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	256750	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	453030	20.00	ng	0.00
75) Chrysene-d12	13.80	240	274254	20.00	ng	0.00
86) Perylene-d12	15.20	264	282591	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	943417	104.69	ng	0.01
7) Phenol-d6	6.30	99	1185692	103.63	ng	0.00
23) Nitrobenzene-d5	7.22	82	735997	73.13	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	198538	115.86	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1100366	72.64	ng	0.00
78) Terphenyl-d14	12.74	244	714529	56.24	ng	0.00

Target Compounds

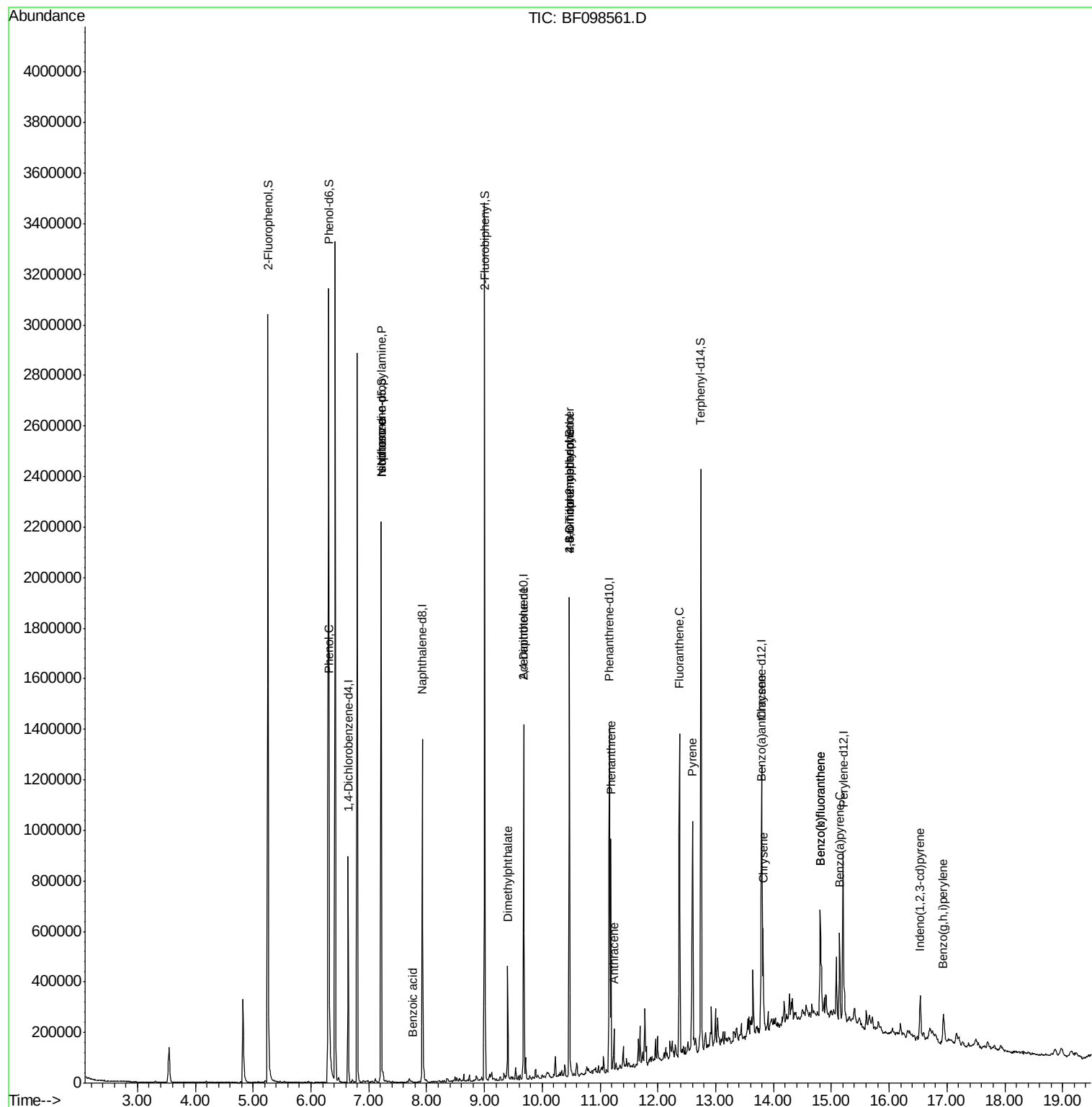
						Qvalue
10) Phenol	6.32	94	35335	2.659	ng	85
19) n-Nitroso-di-n-propylamine	7.22	70	97640	13.567	ng	# 78
25) Isophorone	7.22	82	732857	35.991	ng	# 67
32) Benzoic acid	7.76	122	128	7.988	ng	# 1
49) Dimethylphthalate	9.40	163	158652	7.983	ng	99
56) 2,4-Dinitrotoluene	9.68	165	33538	6.757	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.47	198	550	5.142	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	14791	3.440	ng	# 1
70) Phenanthrene	11.19	178	307193	12.791	ng	98
71) Anthracene	11.24	178	64354	2.610	ng	98
74) Fluoranthene	12.37	202	468658	19.493	ng	97
77) Pyrene	12.60	202	383333	17.718	ng	99
80) Benzo(a)anthracene	13.79	228	172924	10.755	ng	99
82) Chrysene	13.83	228	161887	9.960	ng	97
85) Indeno(1,2,3-cd)pyrene	16.54	276	84628	7.422	ng	# 92
87) Benzo(b)fluoranthene	14.81	252	275993	15.533	ng	98
88) Benzo(k)fluoranthene	14.81	252	275993	16.638	ng	98
89) Benzo(a)pyrene	15.14	252	146614	9.262	ng	97
91) Benzo(a,h,i)perylene	16.94	276	84191	7.269	ng	95

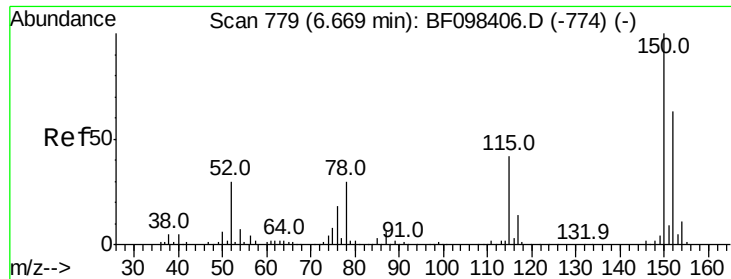
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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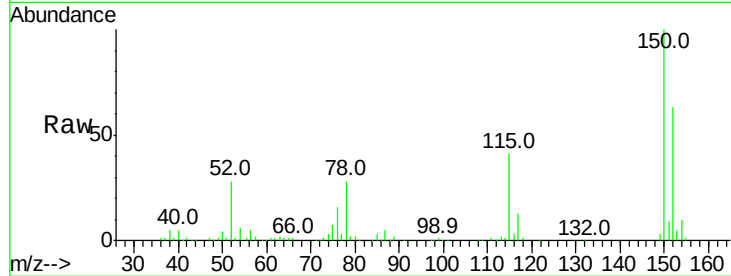


#1

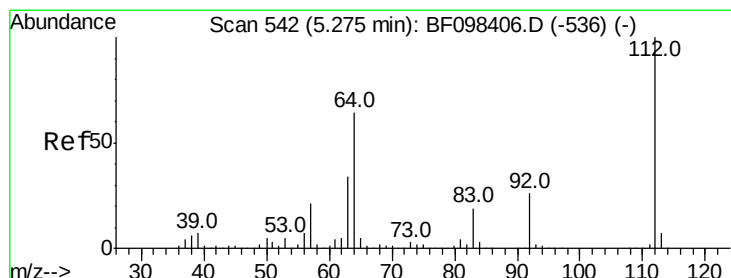
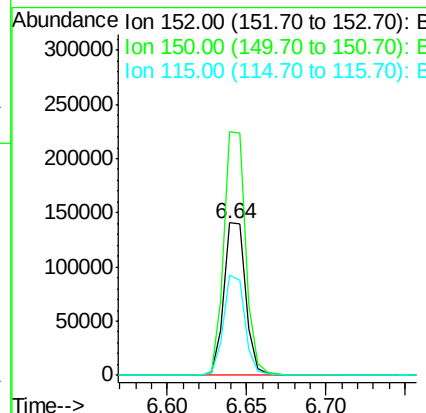
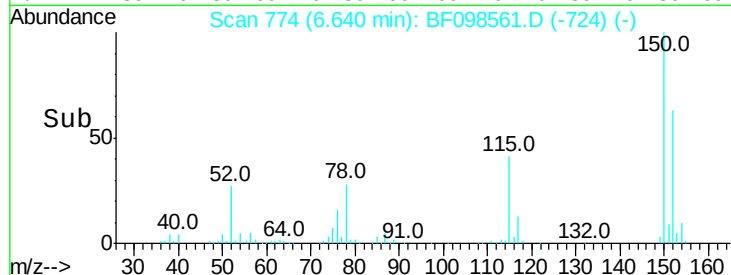
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Tot Ion:152 Resp: 133239
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 65.5 52.2 78.2



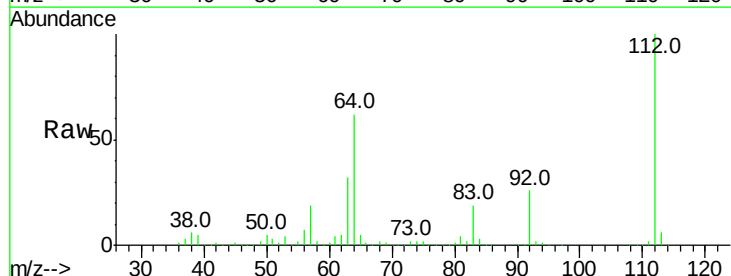
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



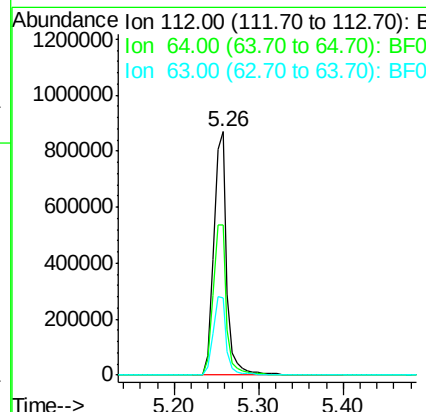
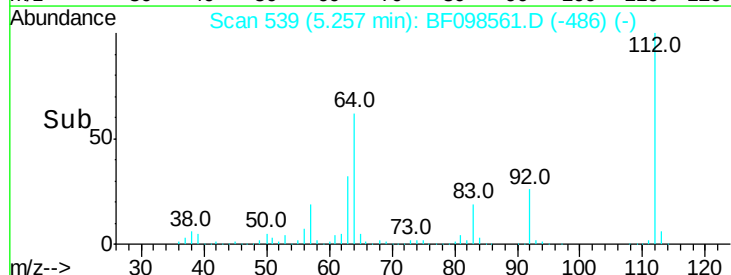
#5

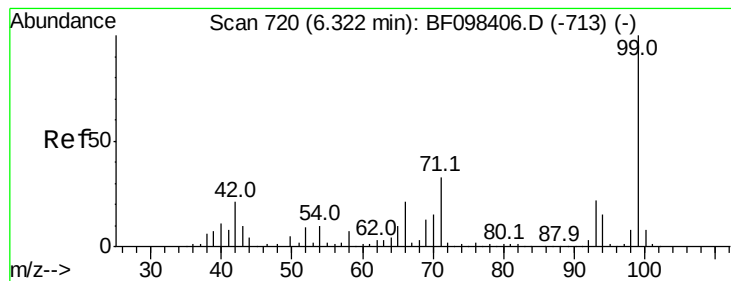
2-Fluorophenol
Concen: 104.689 ng
RT: 5.26 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:112 Resp: 943417
Ion Ratio Lower Upper
112 100
64 61.6 46.0 69.0
63 31.6 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: 103.629 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

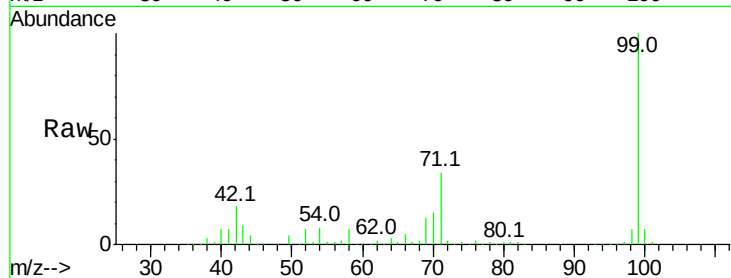
Tot Ion: 99 Resp: 1185692

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	34.3	24.5	36.7

99 100

42 18.3 13.5 20.3

71 34.3 24.5 36.7

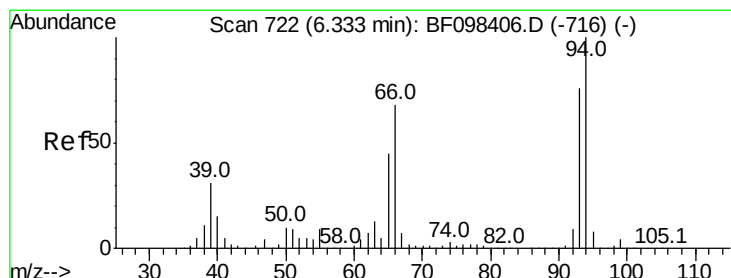
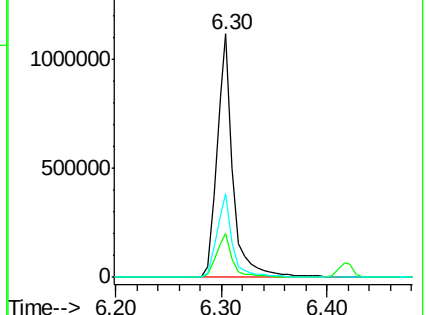
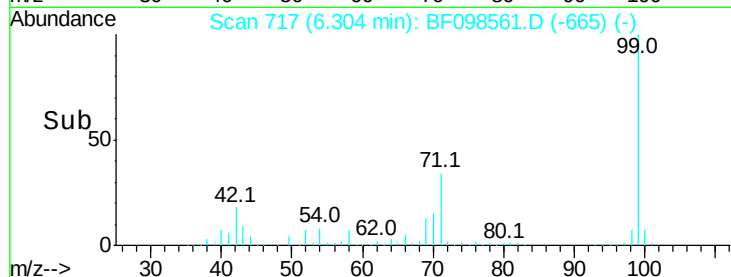


Abundance

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: 2.659 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

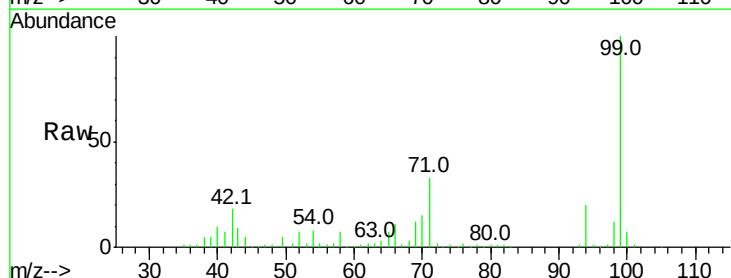
Tgt Ion: 94 Resp: 35335

Ion	Ratio	Lower	Upper
94	100		
65	33.1	9.9	49.9
66	56.7	23.1	63.1

94 100

65 33.1 9.9 49.9

66 56.7 23.1 63.1

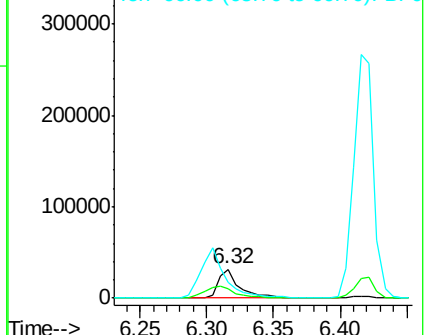
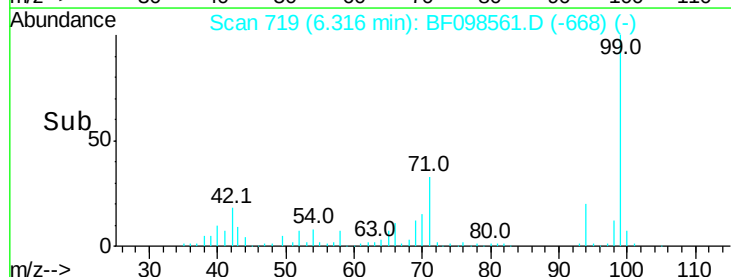


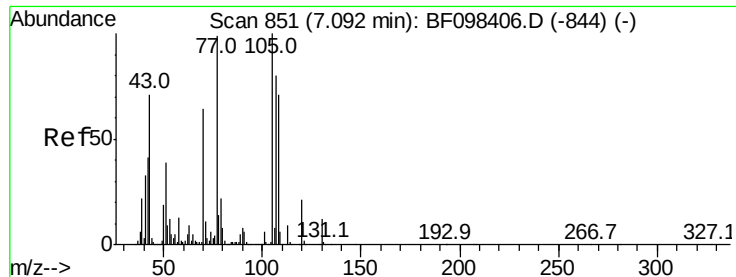
Abundance

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: 13.567 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

Tot Ion: 70 Resp: 97640

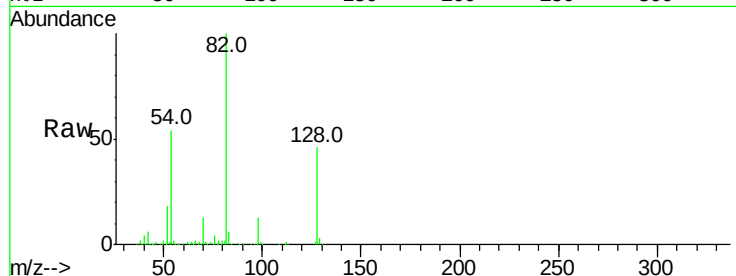
Ion Ratio Lower Upper

70 100

42 46.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

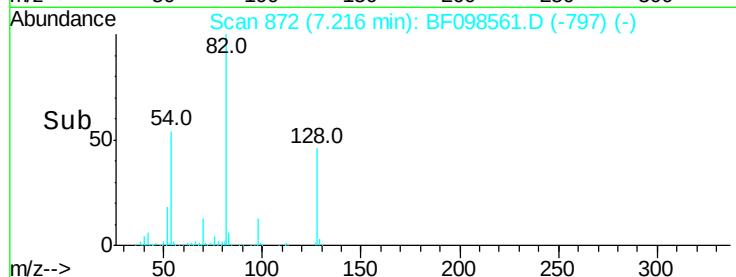


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Abundance

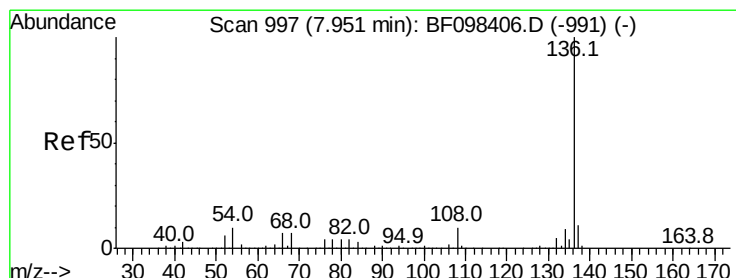
150000

100000

50000

0

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Tgt Ion: 136 Resp: 561073

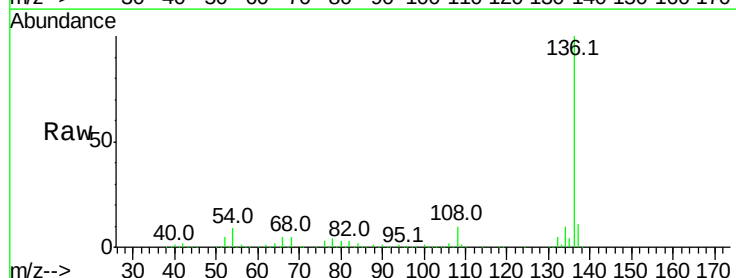
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.0 4.9 7.3#

68 5.5 4.1 6.1

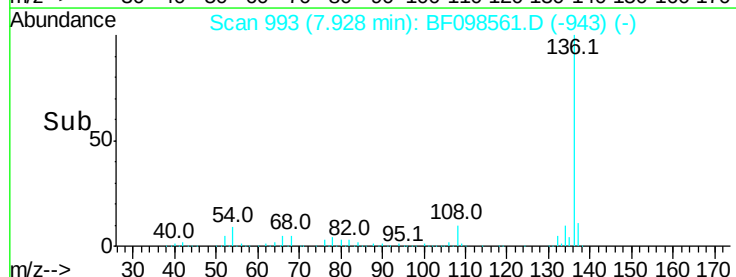


Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Abundance

1000000

800000

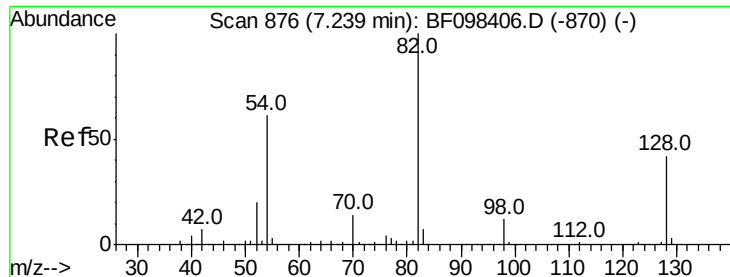
600000

400000

200000

0

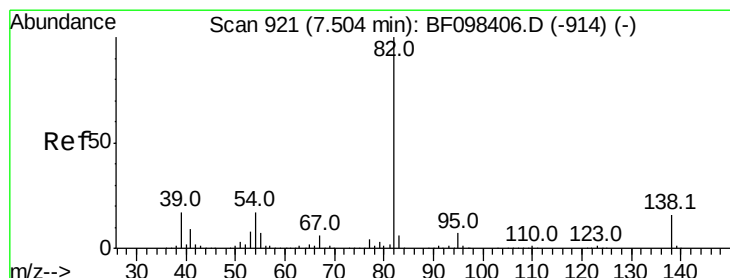
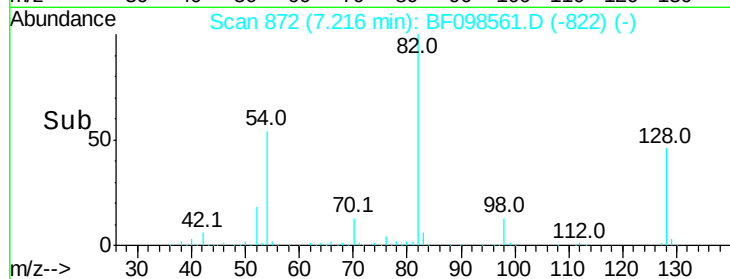
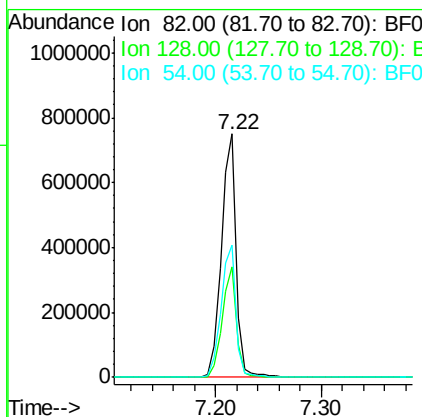
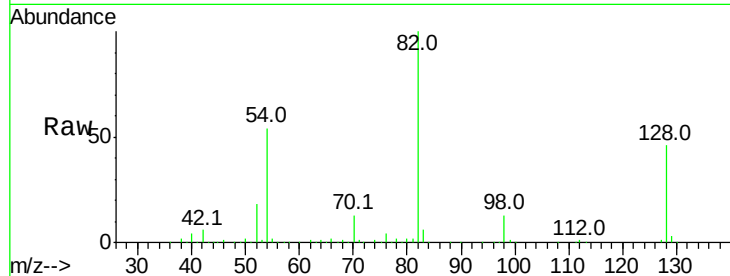
Time-->



#23
Nitrobenzene-d5
Concen: 73.130 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

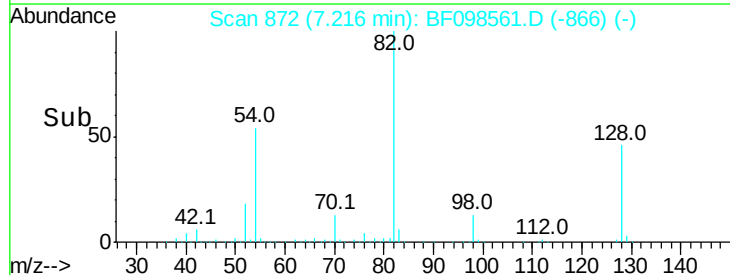
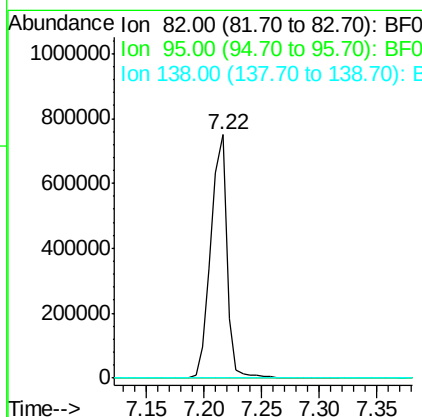
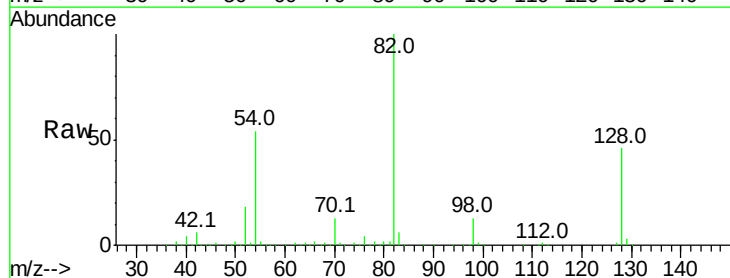
Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

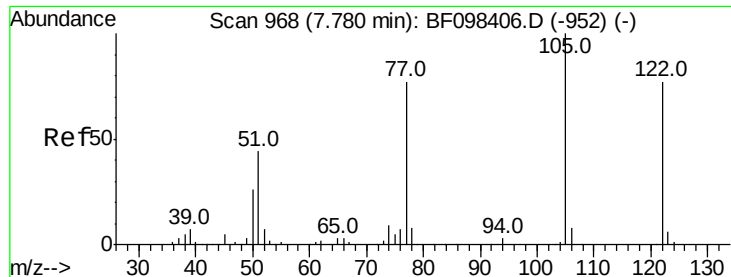
Tot Ion	82	Resp	735997
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.0	51.0
54	54.1	42.2	63.2



#25
Isophorone
Concen: 35.991 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.26 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion	82	Resp	732857
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

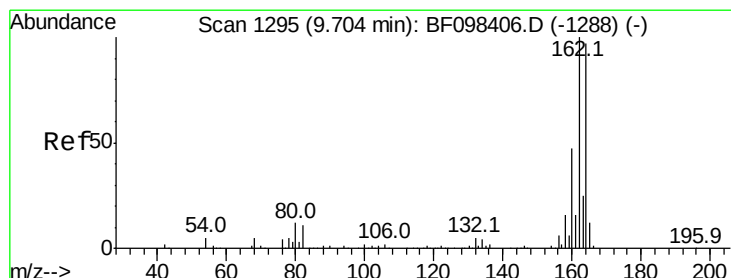
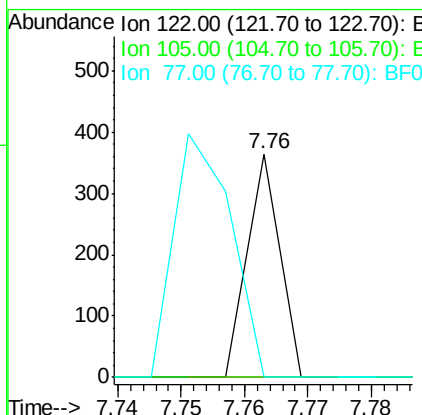
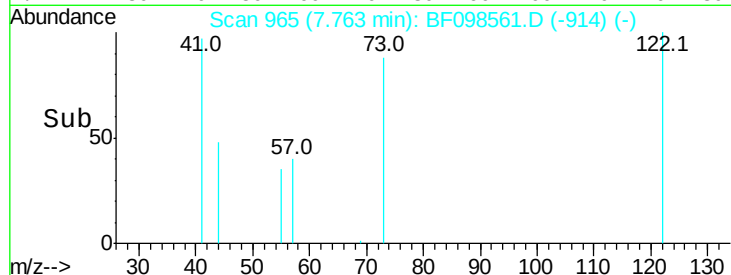
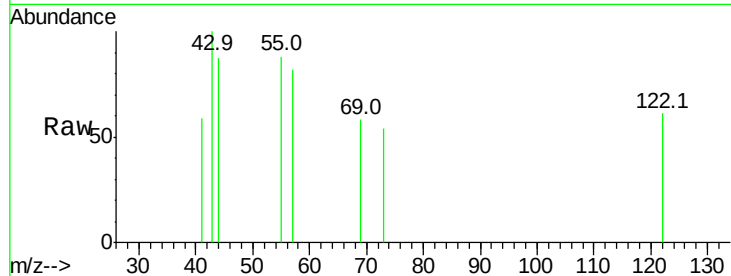




#32
Benzoic acid
Concen: 7.988 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

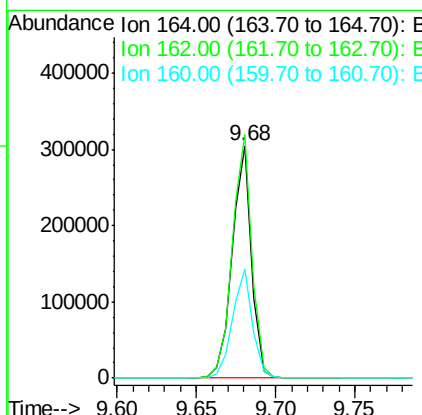
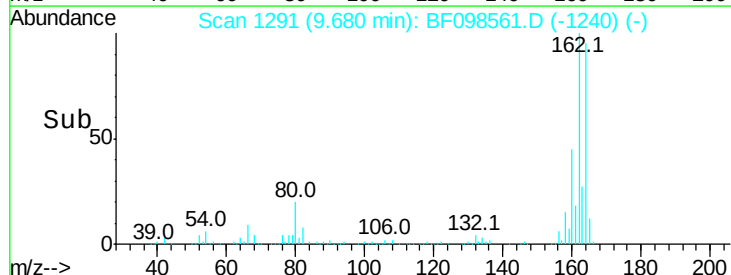
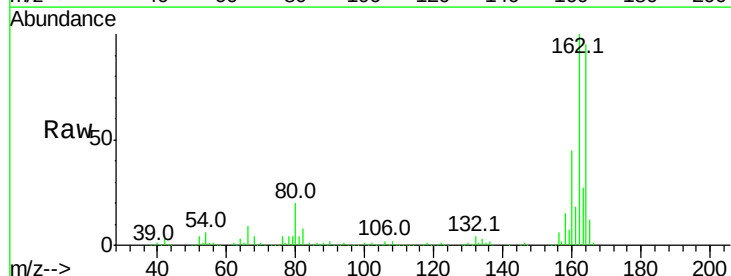
Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

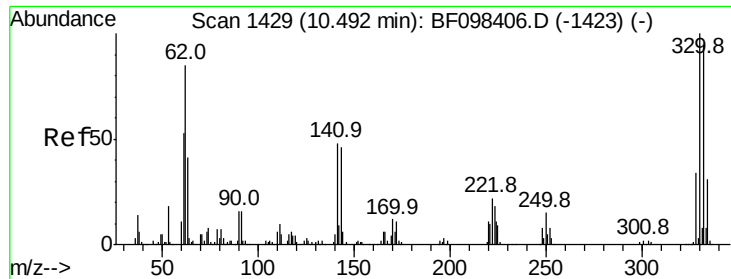
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	47.0	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 115.860 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

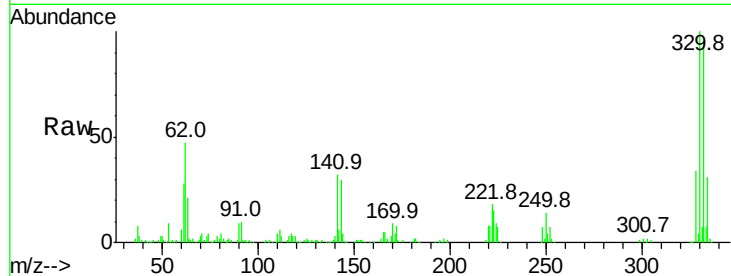
Tot Ion:330 Resp: 198538

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

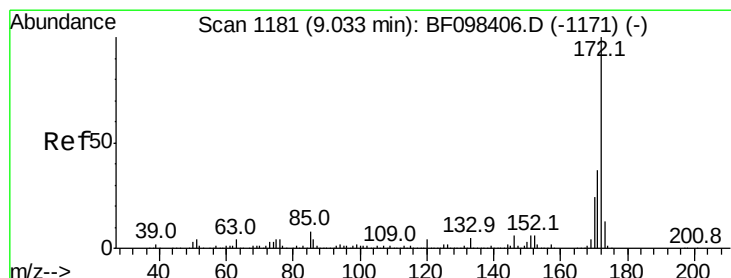
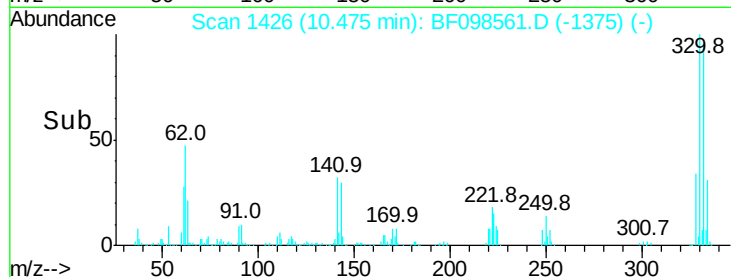
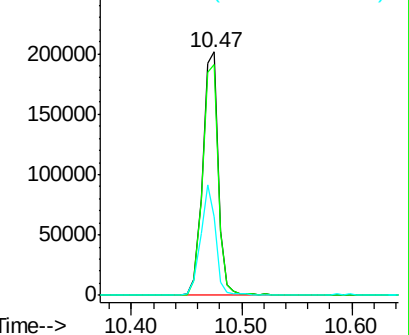
141 43.0 31.4 47.2



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: 72.640 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

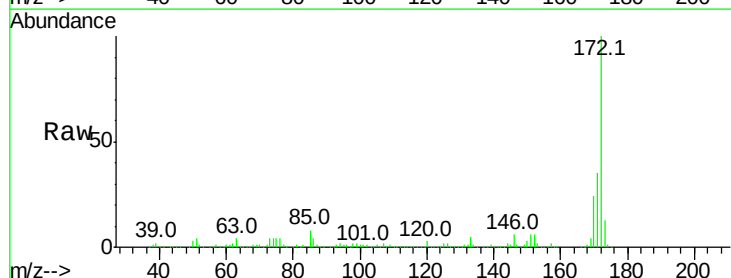
Tgt Ion:172 Resp: 1100366

Ion Ratio Lower Upper

172 100

171 35.4 29.6 44.4

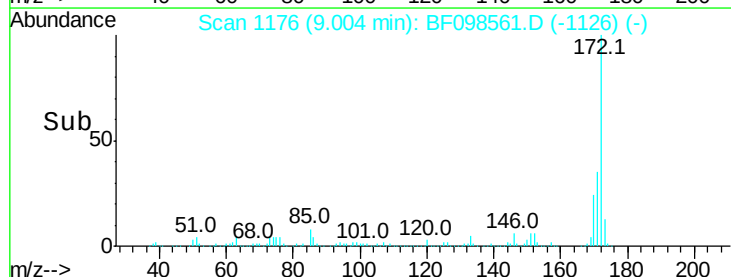
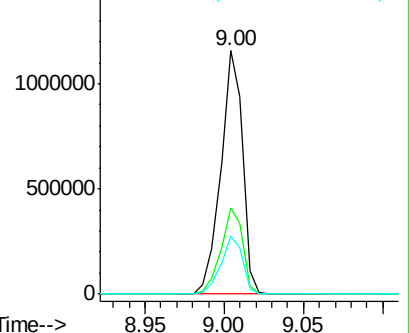
170 23.6 19.8 29.8

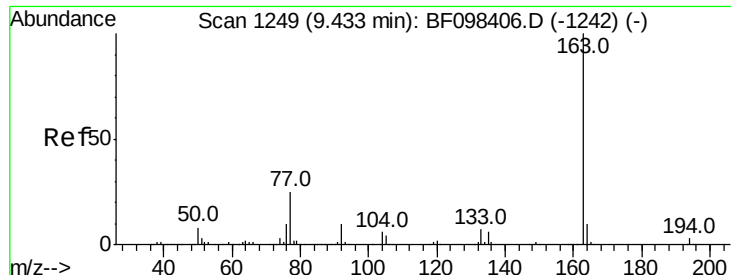


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.983 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

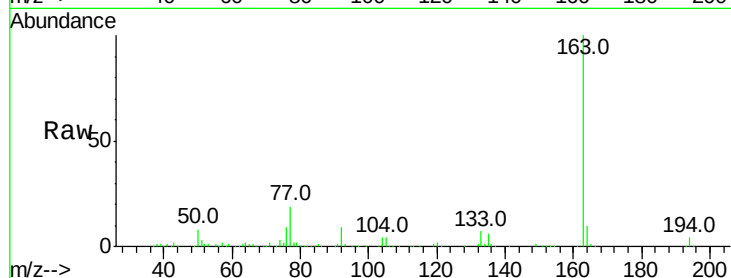
Tot Ion:163 Resp: 158652

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

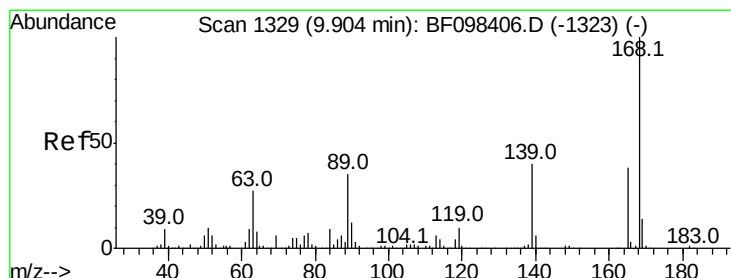
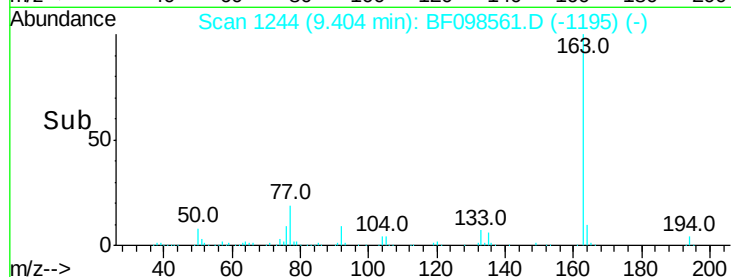
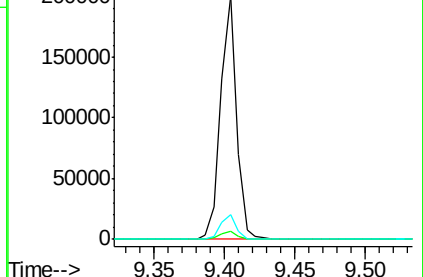
164 10.2 8.4 12.6



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: 6.757 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.21 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Tgt Ion:165 Resp: 33538

Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.8 46.4 69.6#

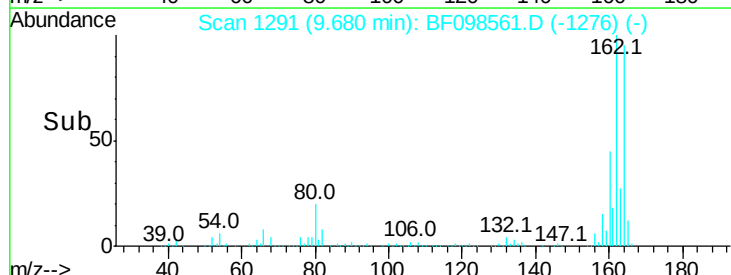
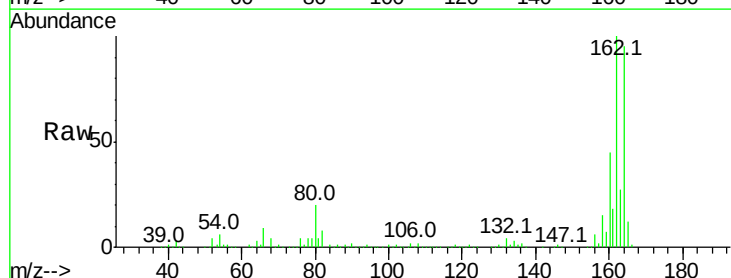
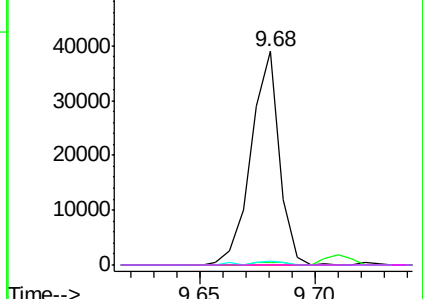
182 0.0 1.8 2.6#

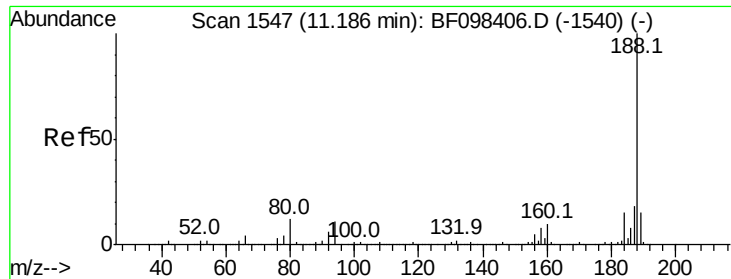
Abundance Ion 165.00 (164.70 to 165.70): E

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

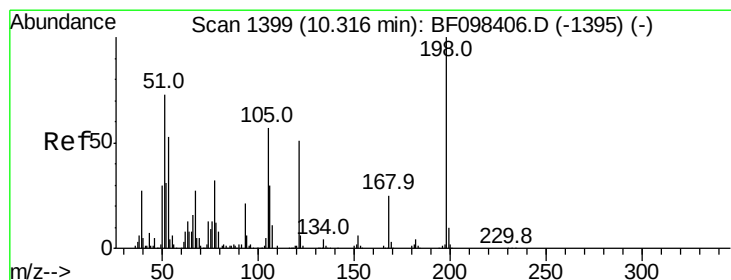
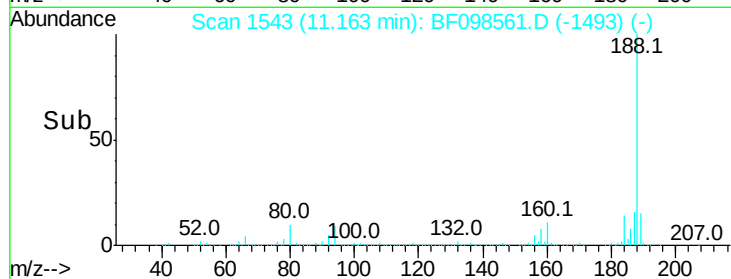
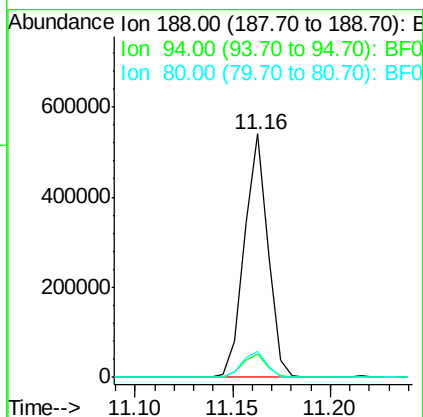
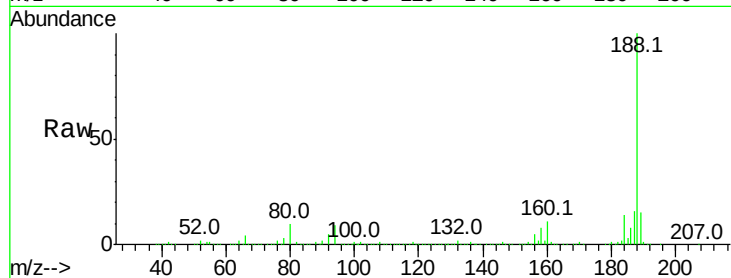




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

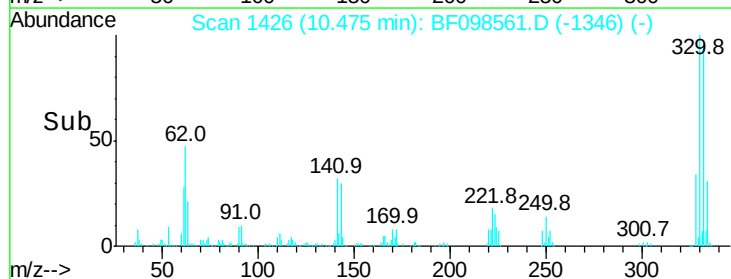
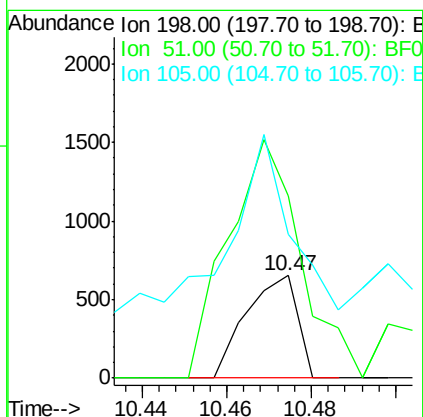
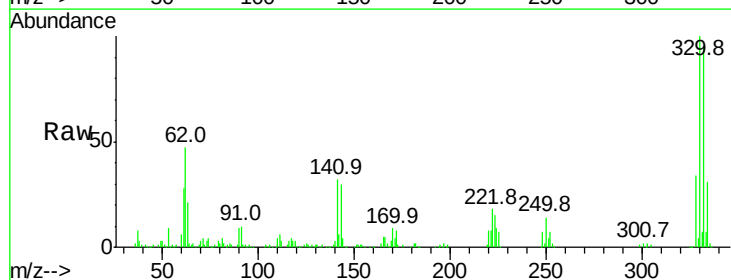
Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

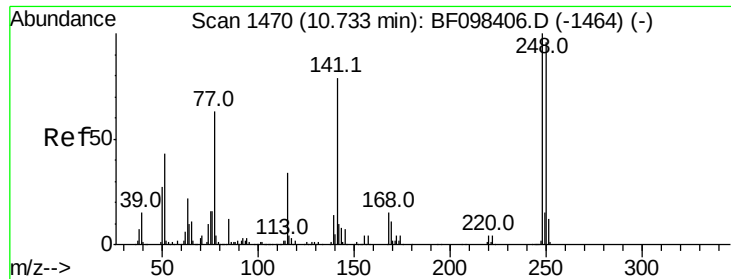
Tot Ion:188 Resp: 453030
Ion Ratio Lower Upper
188 100
94 9.4 9.4 14.2#
80 10.4 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 5.142 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.17 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:198 Resp: 550
Ion Ratio Lower Upper
198 100
51 177.6 53.2 93.2#
105 139.7 45.8 85.8#

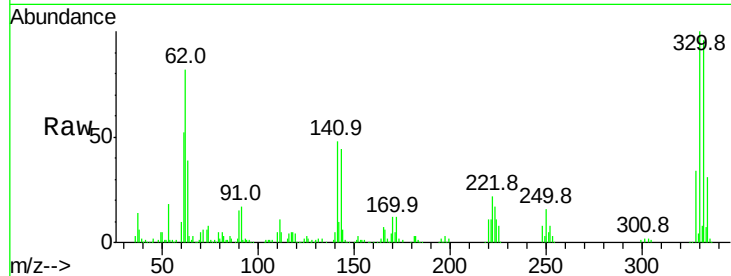




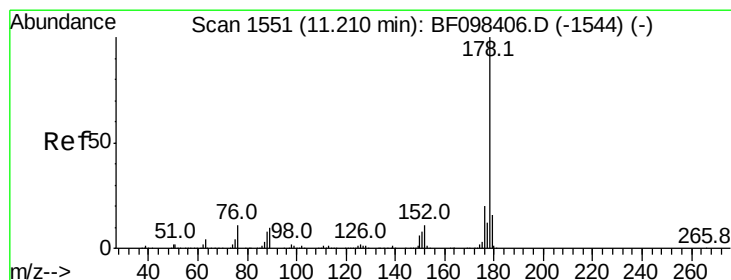
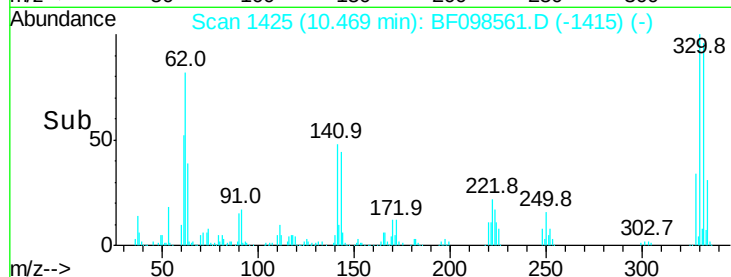
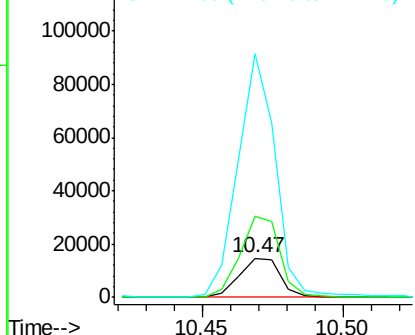
#66
 4-Bromophenyl-phenylether
 Concen: 3.440 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.24 min
 Lab File: BF098561.D
 Acq: 15 Sep 2017 11:23

Instrument :
 BNA_F
 ClientSampleId :
 RL-14-0-14.25

Tot Ion:248 Resp: 14791
 Ion Ratio Lower Upper
 248 100
 250 205.7 76.8 115.2#
 141 620.8 68.6 103.0#

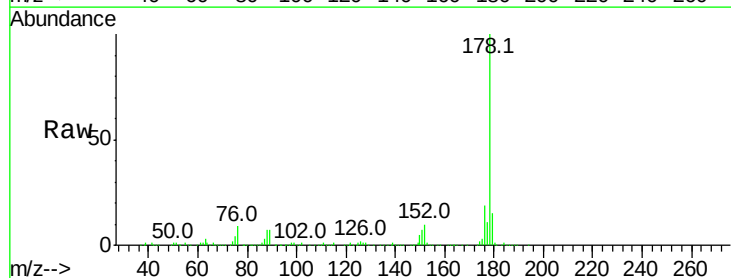


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

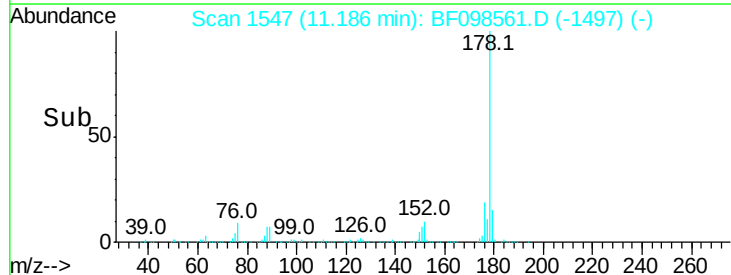
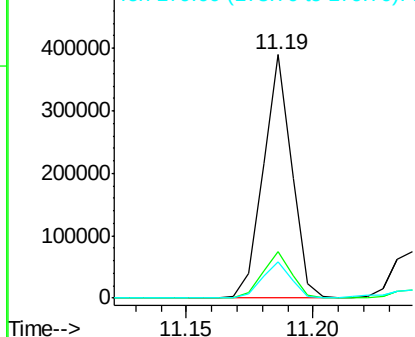


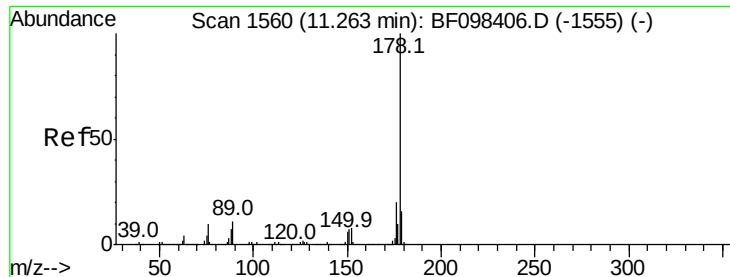
#70
 Phenanthrene
 Concen: 12.791 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF098561.D
 Acq: 15 Sep 2017 11:23

Tgt Ion:178 Resp: 307193
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.0 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: 2.610 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

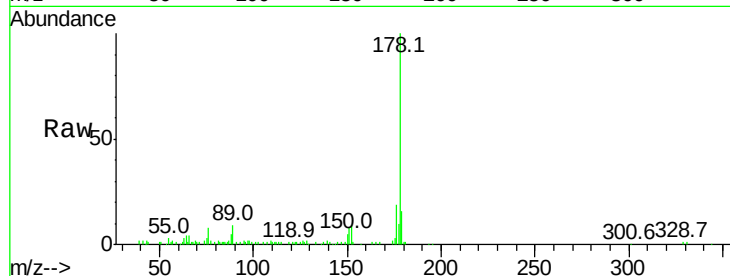
Tot Ion:178 Resp: 64354

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

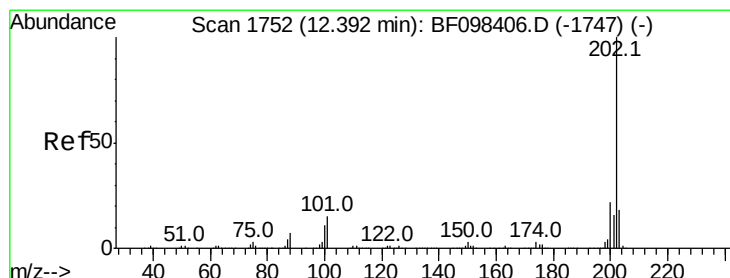
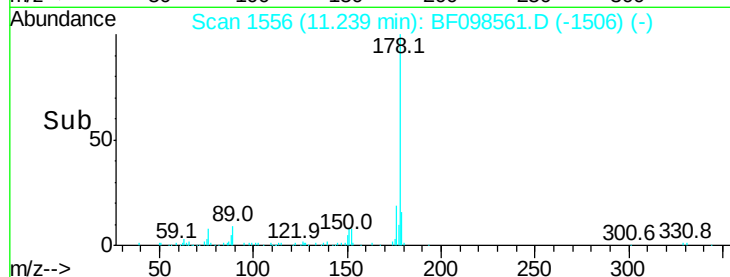
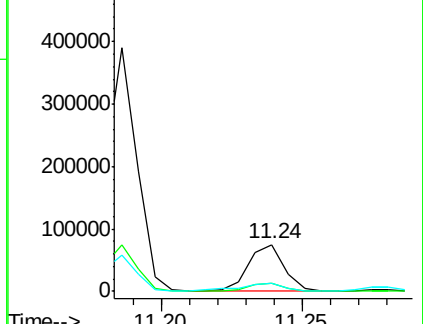
179 16.2 12.7 19.1



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: 19.493 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

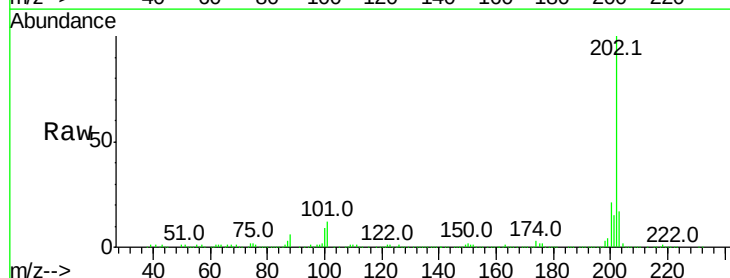
Tgt Ion:202 Resp: 468658

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.2

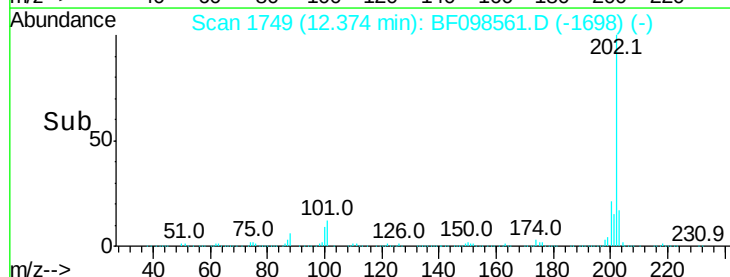
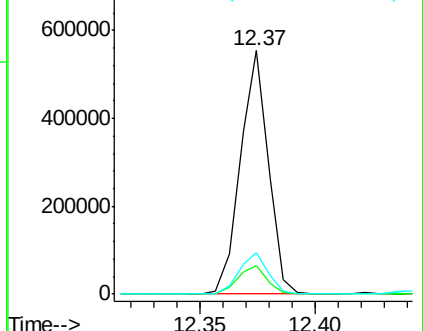
203 17.0 0.0 38.1

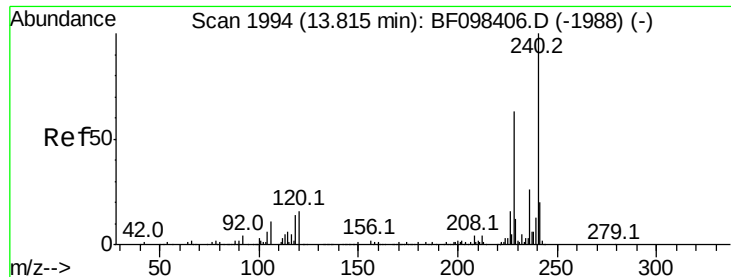


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

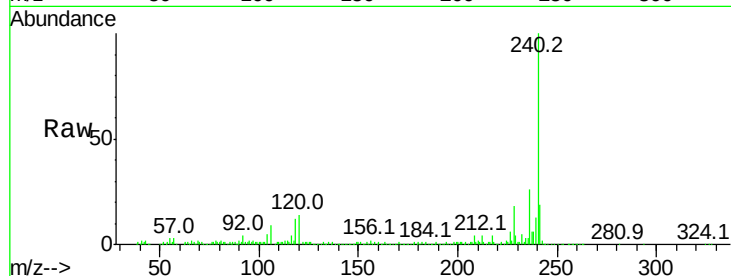
Tot Ion:240 Resp: 274254

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

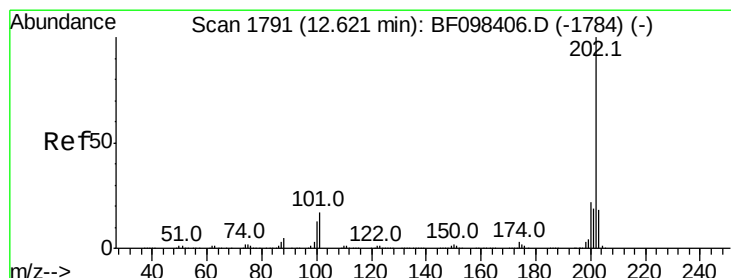
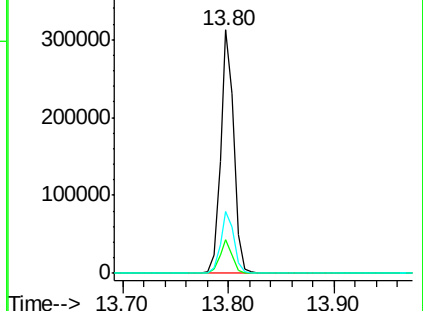
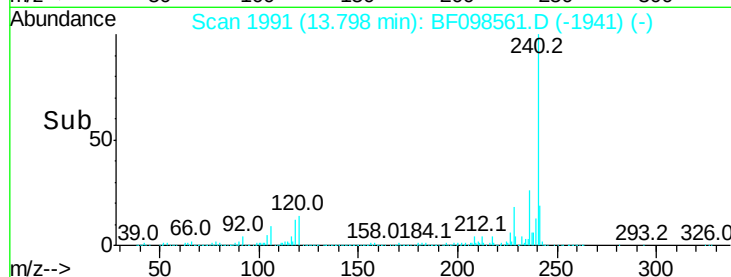
236 25.7 20.5 30.7



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: 17.718 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

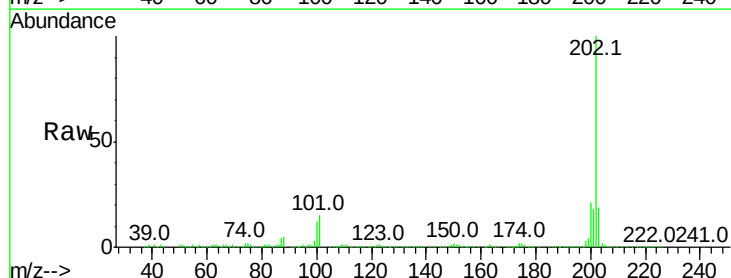
Tgt Ion:202 Resp: 383333

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

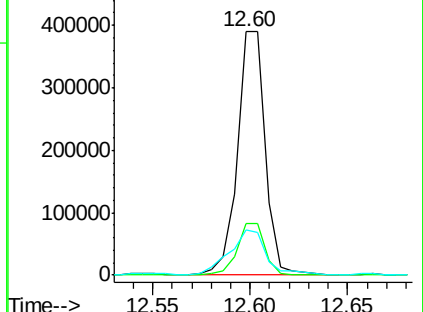
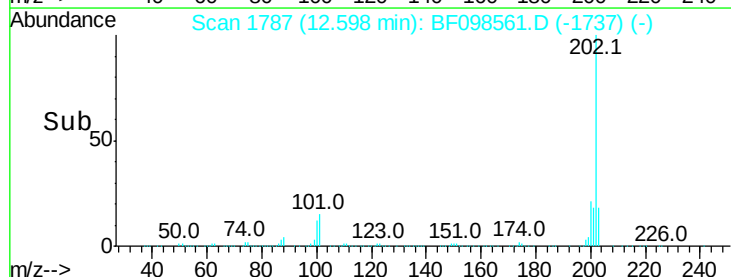
203 18.6 14.4 21.6

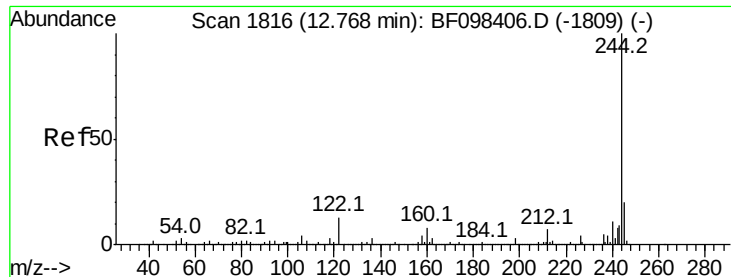


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.236 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

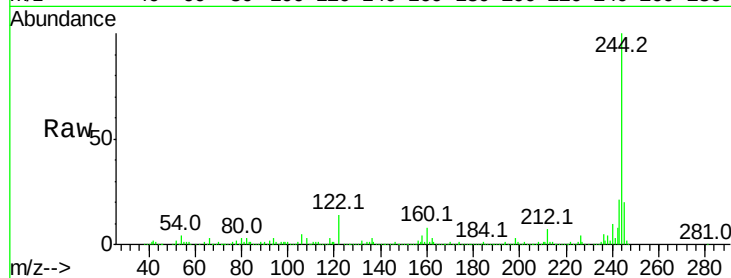
Tot Ion:244 Resp: 714529

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

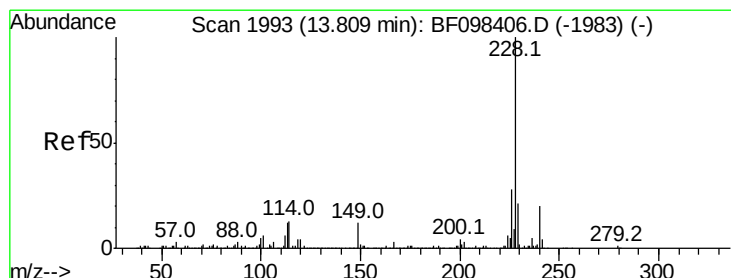
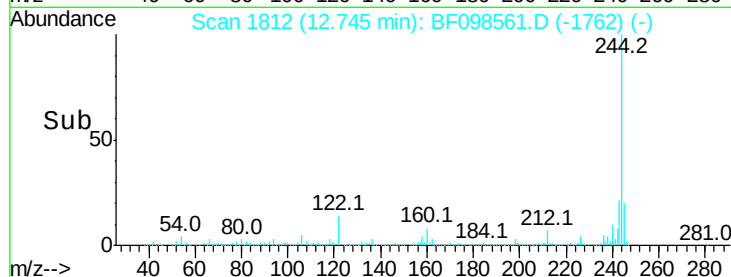
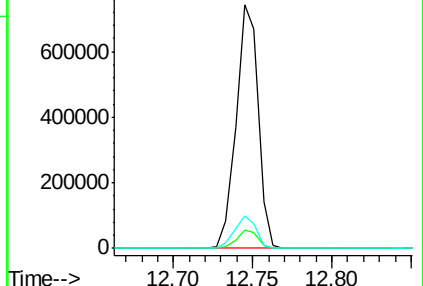
122 13.6 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 10.755 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

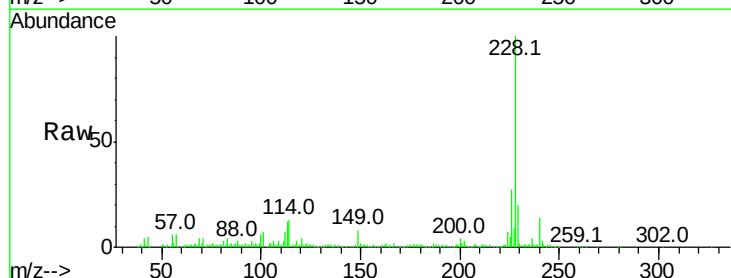
Tgt Ion:228 Resp: 172924

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

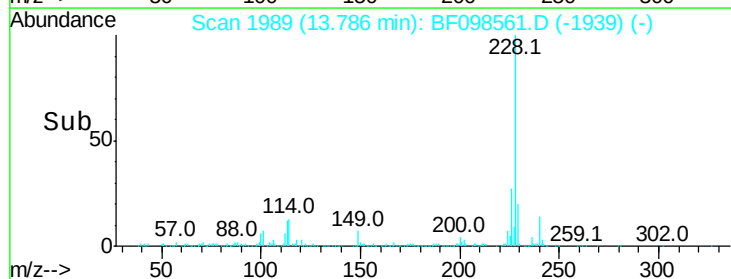
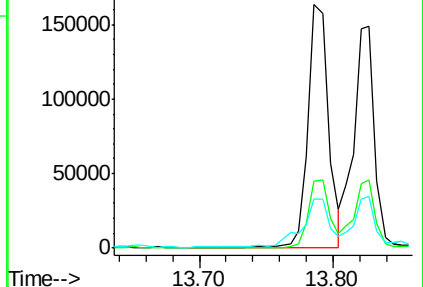
229 20.3 16.3 24.5

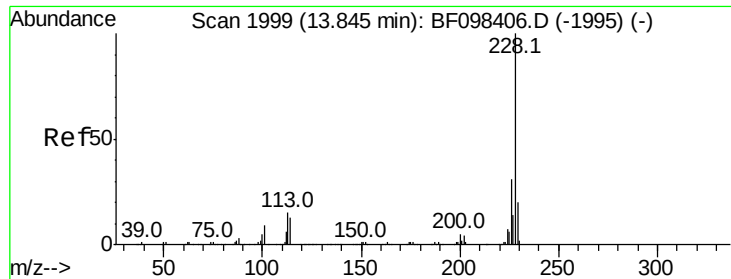


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

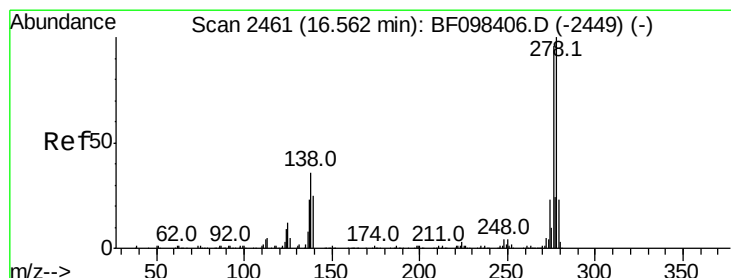
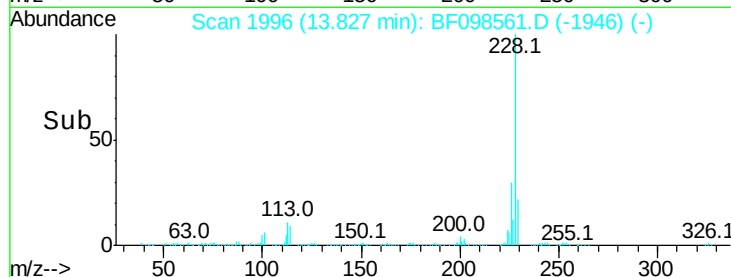
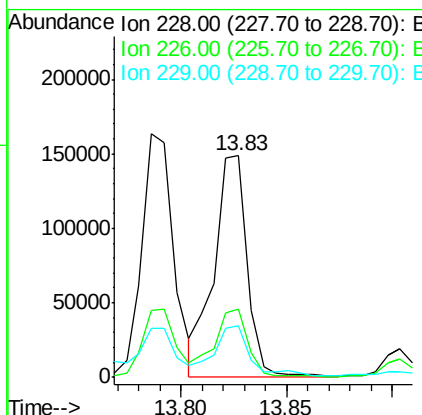
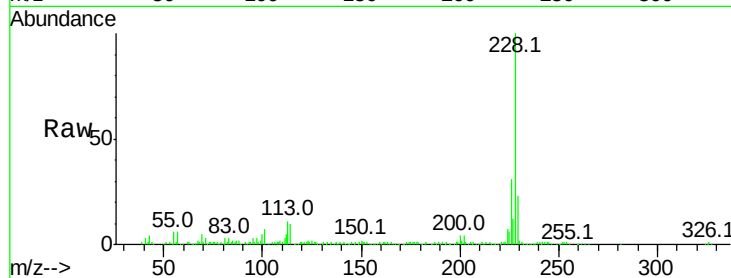




#82
Chrysene
Concen: 9.960 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

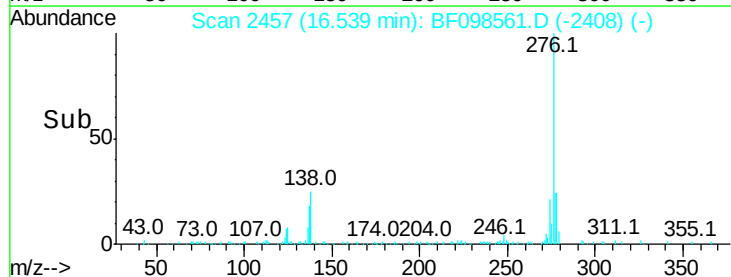
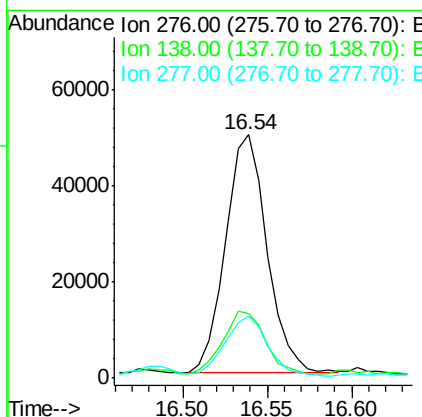
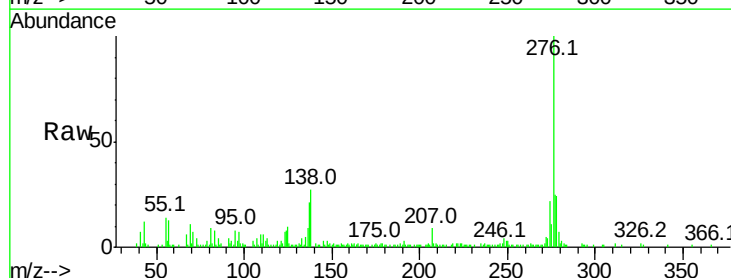
Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

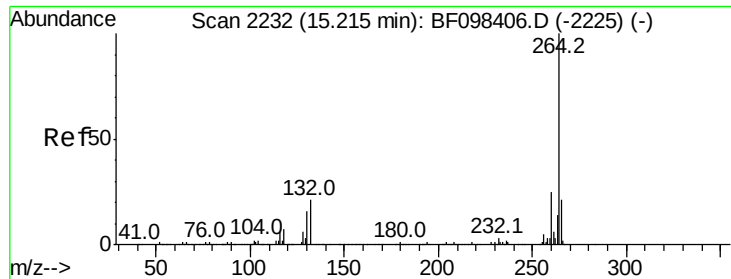
Tot Ion:228 Resp: 161887
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 23.2 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.422 ng
RT: 16.54 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:276 Resp: 84628
Ion Ratio Lower Upper
276 100
138 26.8 27.8 41.6#
277 25.9 20.2 30.4



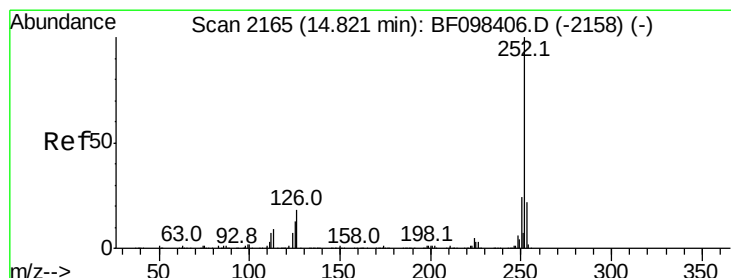
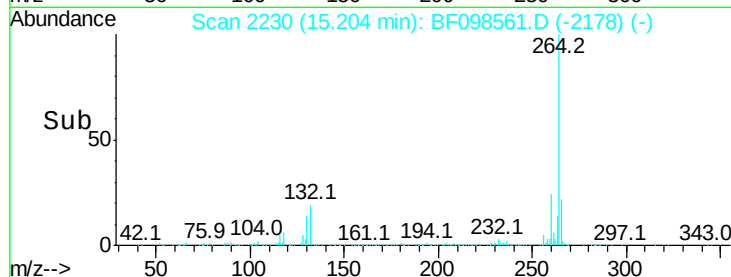
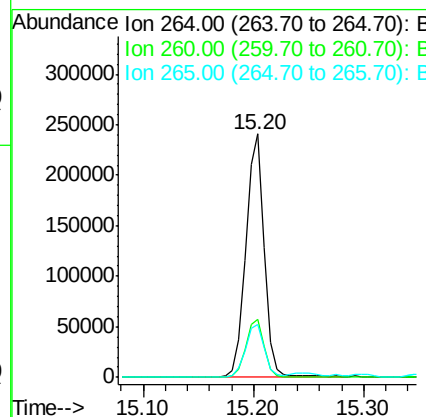
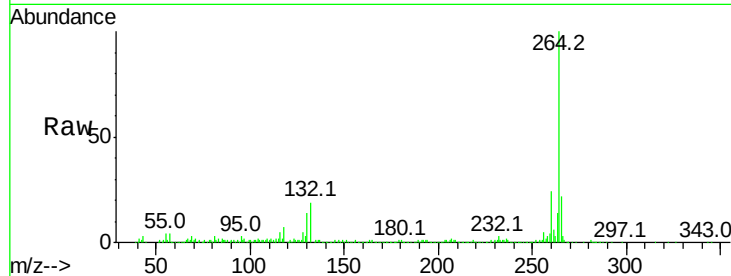


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

Tot Ion:264 Resp: 282591

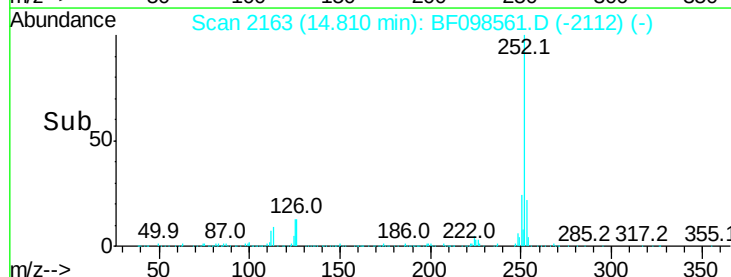
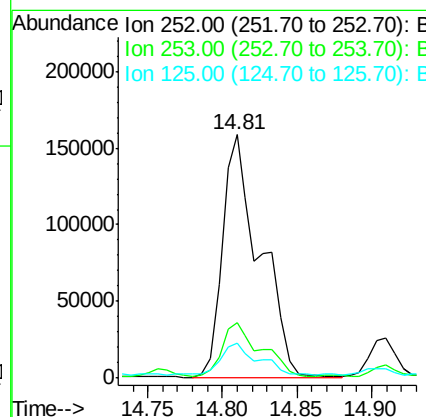
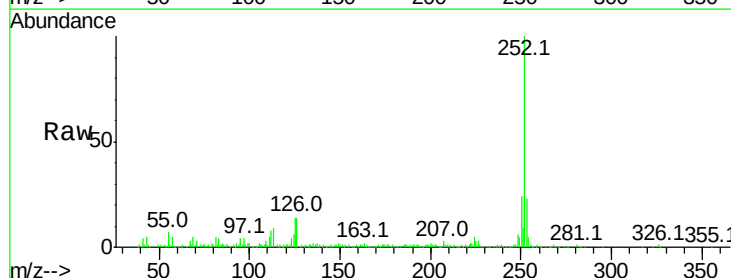
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.8	17.2	25.8

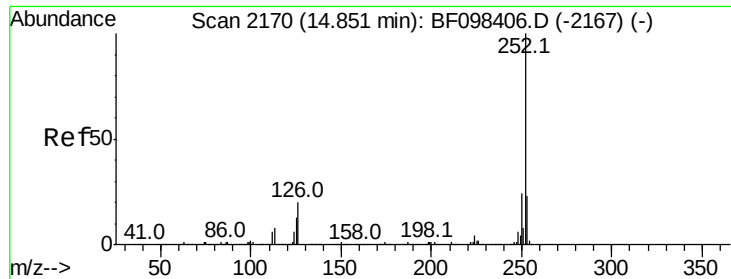


#87
Benzo(b)fluoranthene
Concen: 15.533 ng
RT: 14.81 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion:252 Resp: 275993

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.2	9.8	14.8

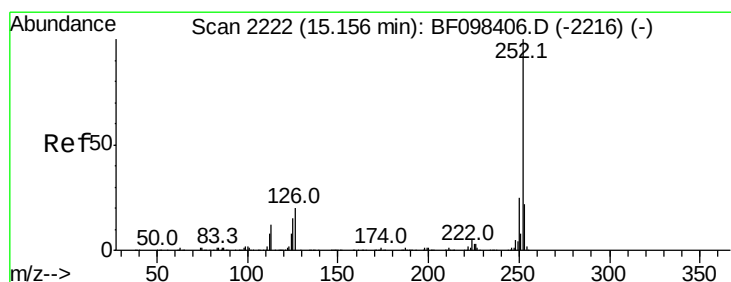
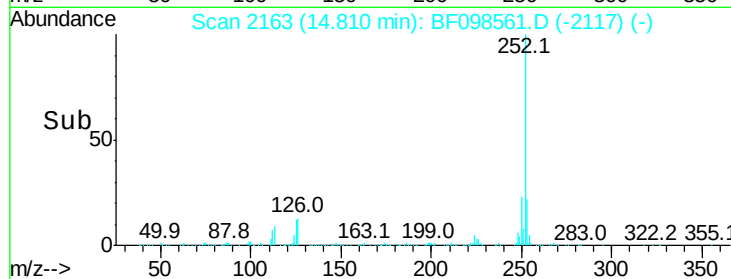
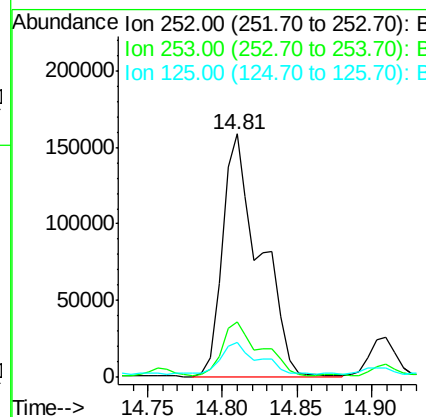
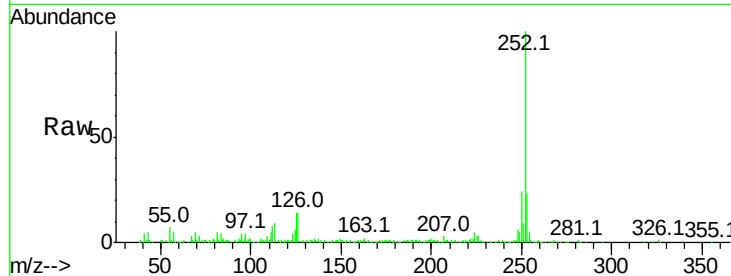




#88
Benzo(k)fluoranthene
Concen: 16.638 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.03 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

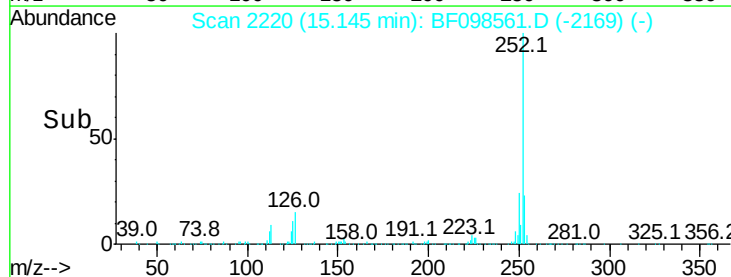
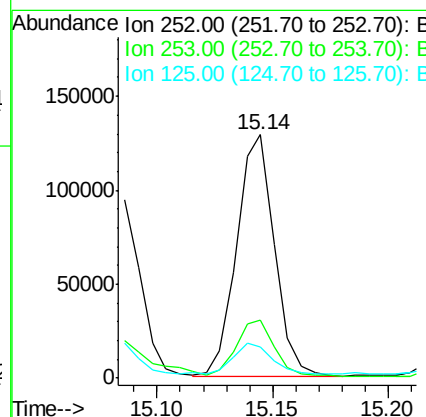
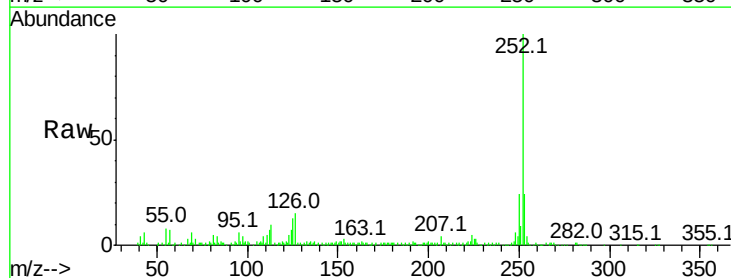
Instrument :
BNA_F
ClientSampleId :
RL-14-0-14.25

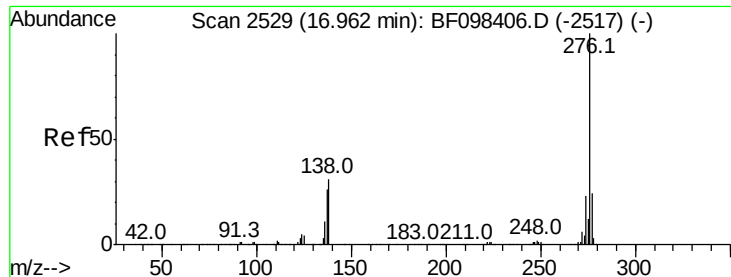
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	14.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 9.262 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.00 min
Lab File: BF098561.D
Acq: 15 Sep 2017 11:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	12.6	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 7.269 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF098561.D

Acq: 15 Sep 2017 11:23

Instrument :

BNA_F

ClientSampleId :

RL-14-0-14.25

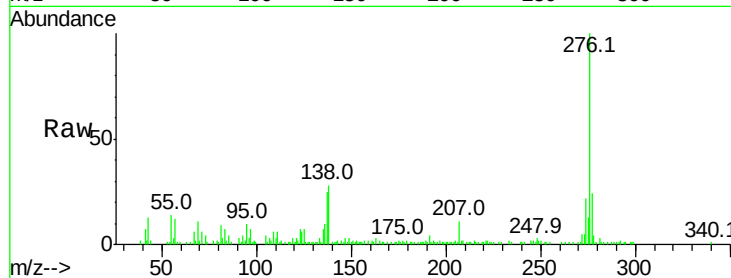
Tot Ion: 276 Resp: 84191

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 27.8 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

