

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098547.D
 Acq On : 15 Sep 2017 00:14
 Operator : SJ/JU
 Sample : I5161-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-7-0-11

Quant Time: Sep 15 05:04:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

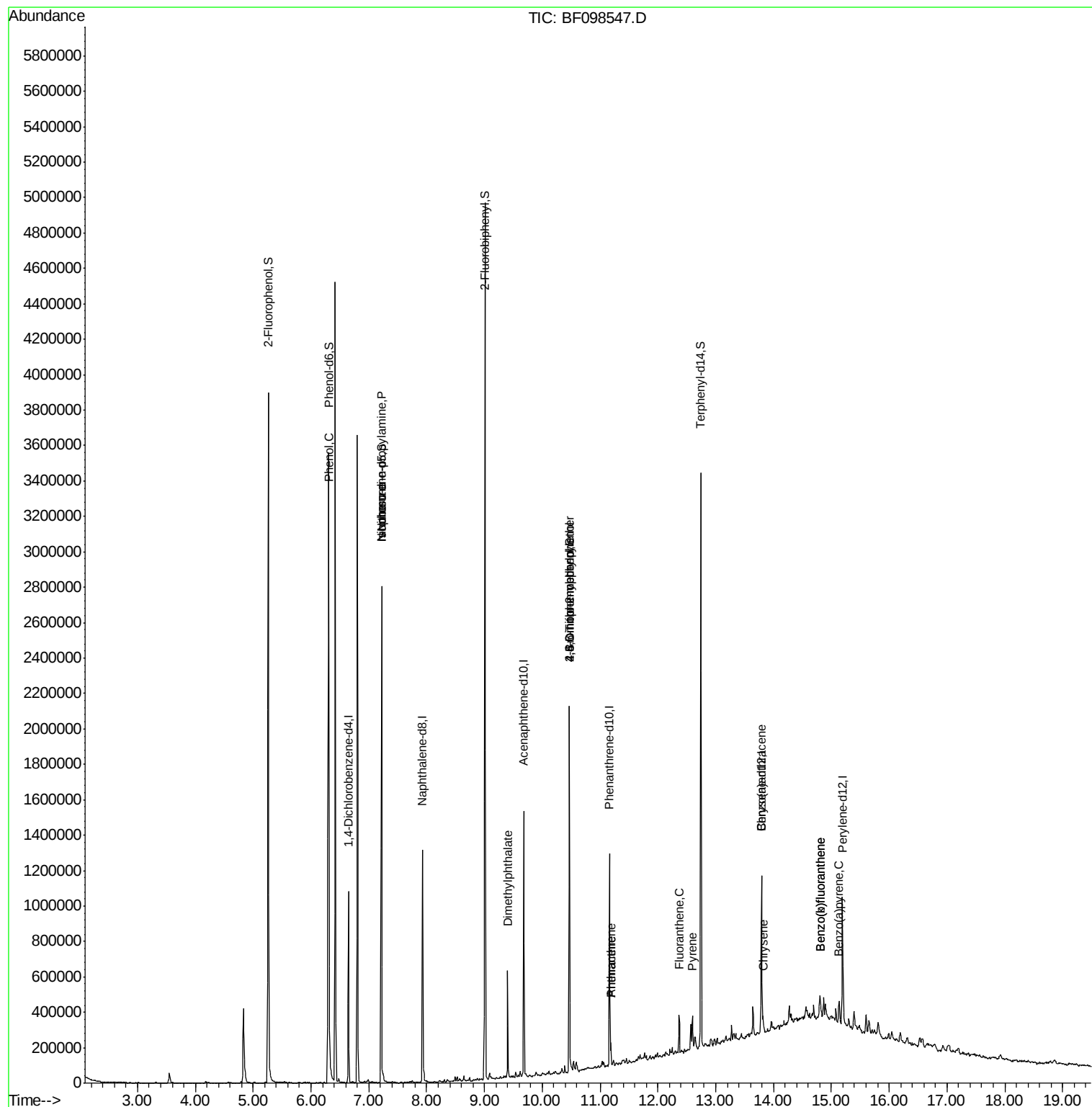
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	149185	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	605943	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	259860	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	396605	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	295854	20.00	ng	-0.02
86) Perylene-d12	15.19	264	309136	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1189671	117.90	ng	-0.01
7) Phenol-d6	6.30	99	1520557	118.69	ng	-0.02
23) Nitrobenzene-d5	7.22	82	926152	85.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	220900	127.37	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1489607	97.16	ng	-0.02
78) Terphenyl-d14	12.75	244	953654	69.58	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	38898	2.614	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.22	70	125579	15.584	ng	# 79
25) Isophorone	7.22	82	912091	41.476	ng	# 67
49) Dimethylphthalate	9.40	163	213156	10.597	ng	100
64) 4,6-Dinitro-2-methylphenol	10.47	198	396	5.110	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	16672	4.429	ng	# 1
70) Phenanthrene	11.19	178	49577	2.358	ng	97
71) Anthracene	11.19	178	49577	2.297	ng	97
74) Fluoranthene	12.37	202	83347	3.960	ng	99
77) Pyrene	12.60	202	75114	3.218	ng	98
80) Benzo(a)anthracene	13.79	228	35165	2.027	ng	# 89
82) Chrysene	13.82	228	41263	2.353	ng	95
87) Benzo(b)fluoranthene	14.80	252	79316	4.081	ng	# 91
88) Benzo(k)fluoranthene	14.80	252	79316	4.371	ng	95
89) Benzo(a)pyrene	15.14	252	40256	2.325	ng	# 89

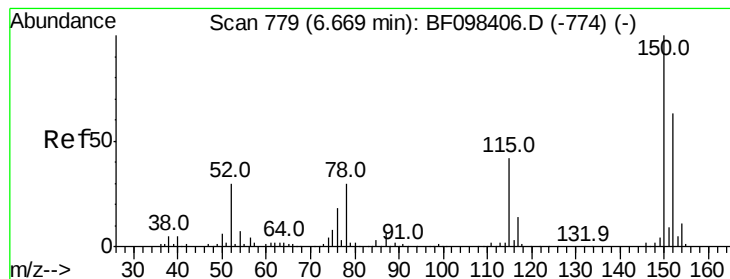
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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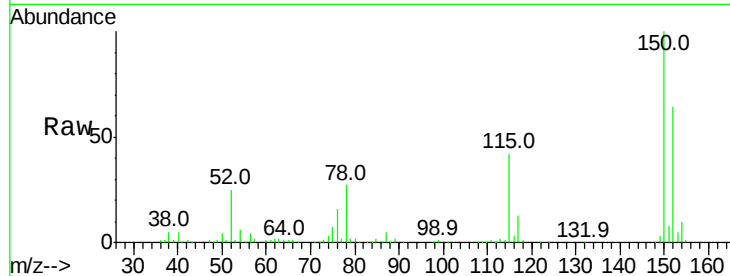


#1

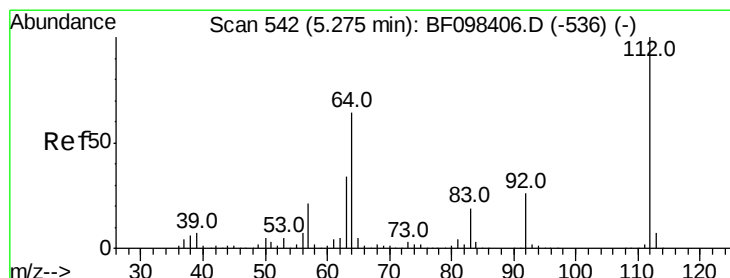
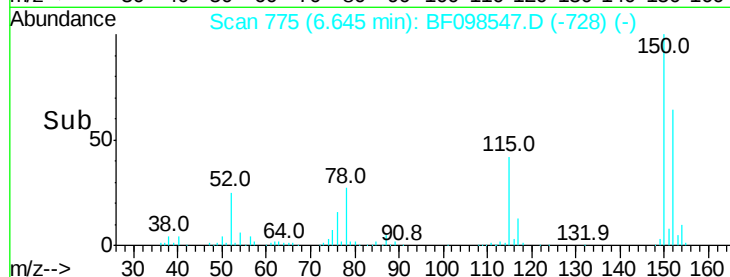
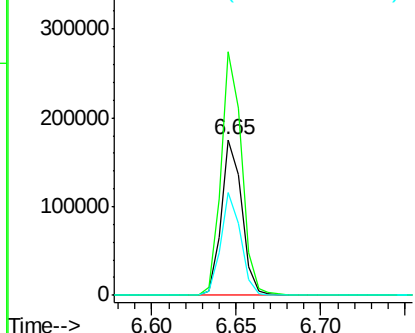
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Instrument :
BNA_F
ClientSampleId :
RL-7-0-11

Tot Ion:152 Resp: 149185
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 65.8 52.2 78.2



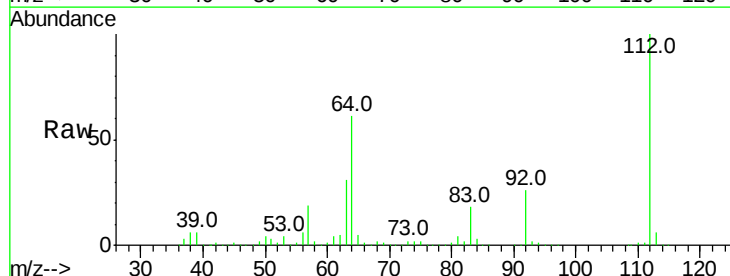
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



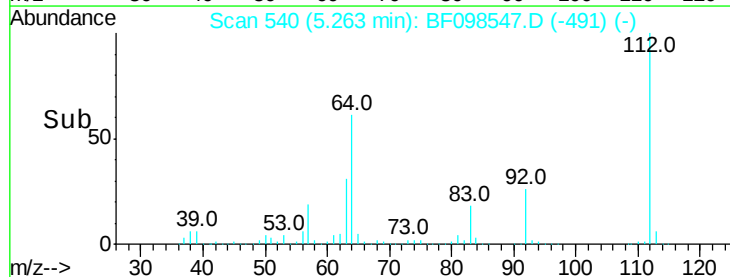
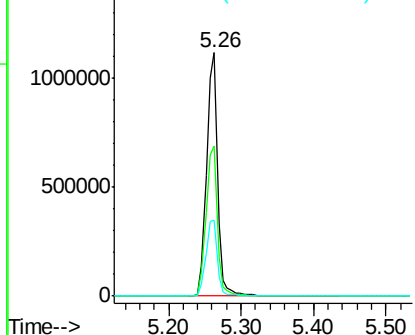
#5

2-Fluorophenol
Concen: 117.904 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Tgt Ion:112 Resp: 1189671
Ion Ratio Lower Upper
112 100
64 61.5 46.0 69.0
63 31.4 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: 118.691 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Instrument :

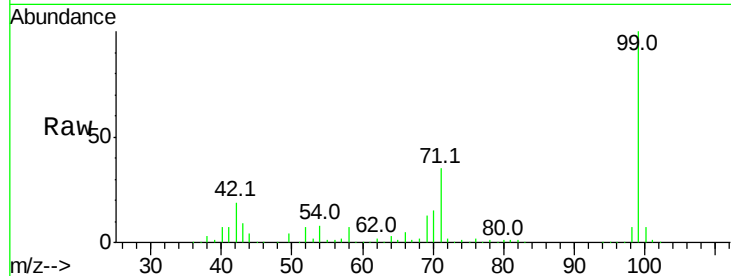
BNA_F

ClientSampleId :

RL-7-0-11

Tot Ion: 99 Resp: 1520557

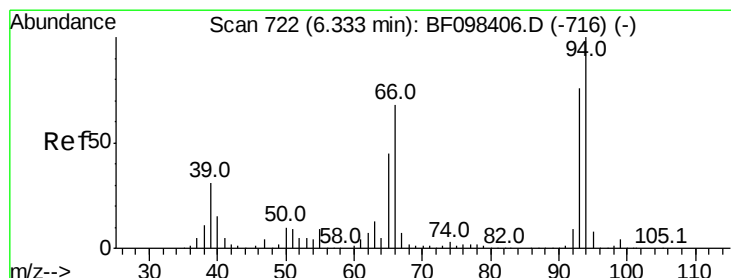
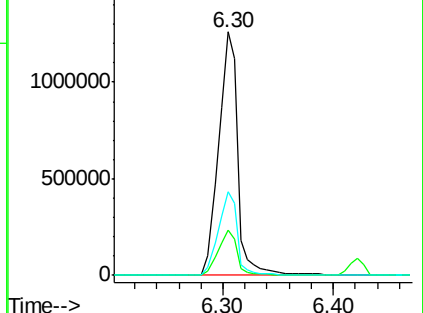
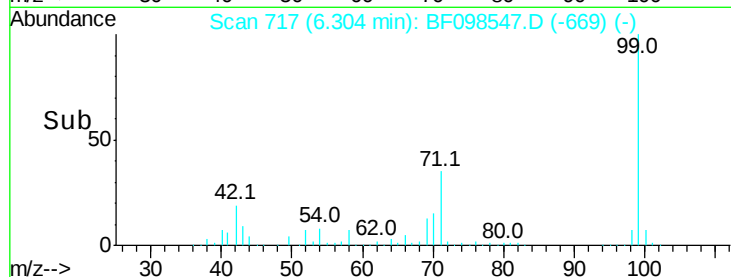
Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.5	20.3
71	34.5	24.5	36.7



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: 2.614 ng

RT: 6.32 min Scan# 719

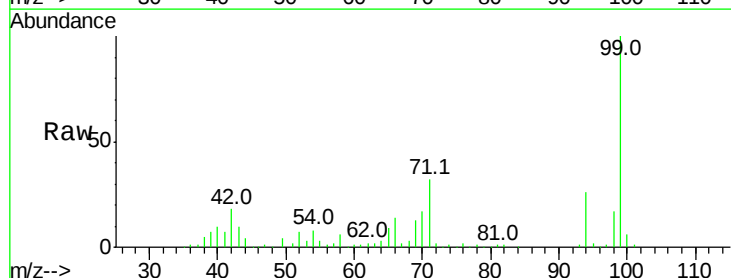
Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Tgt Ion: 94 Resp: 38898

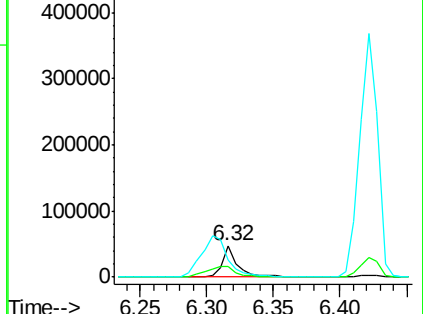
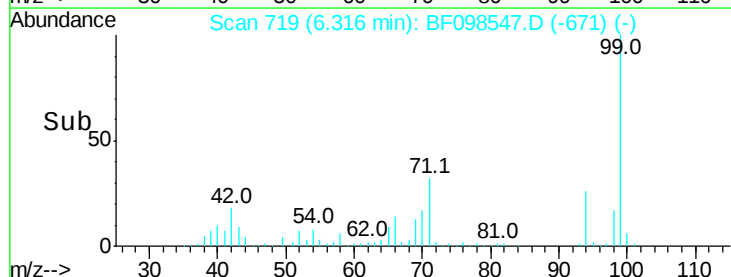
Ion	Ratio	Lower	Upper
94	100		
65	33.5	9.9	49.9
66	55.8	23.1	63.1

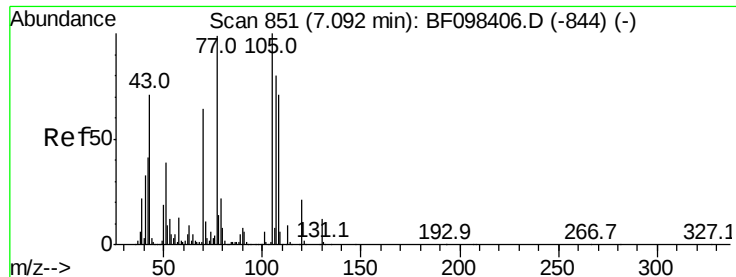


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 15.584 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Instrument :

BNA_F

ClientSampleId :

RL-7-0-11

Tot Ion: 70 Resp: 125579

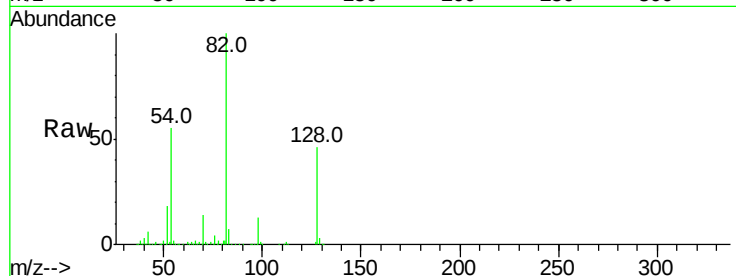
Ion Ratio Lower Upper

70 100

42 47.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

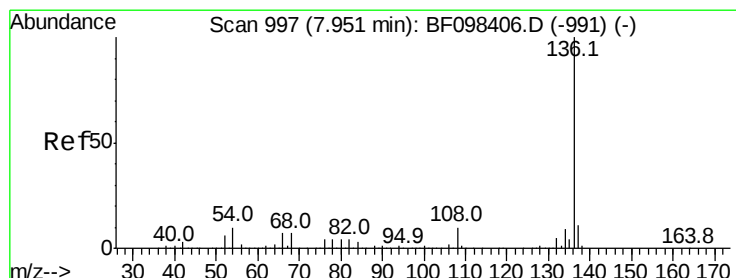
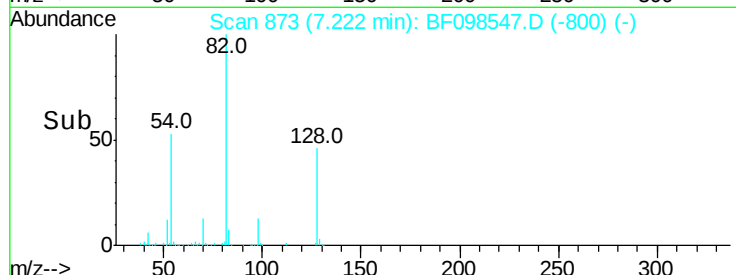
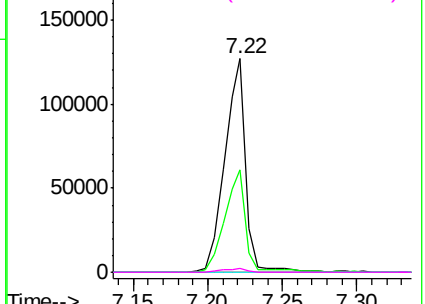


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Tgt Ion:136 Resp: 605943

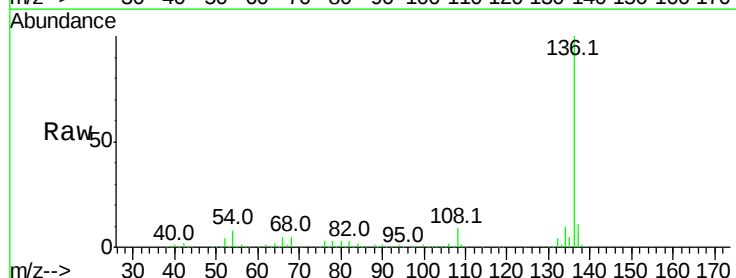
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 8.3 4.9 7.3#

68 5.2 4.1 6.1

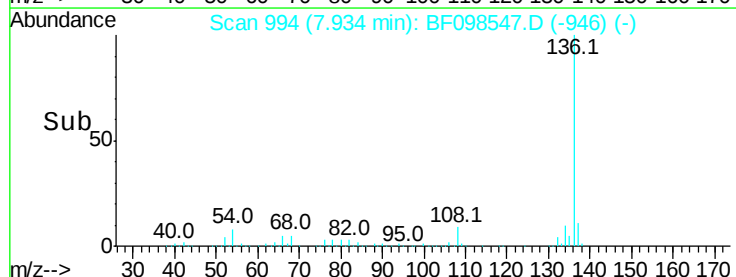
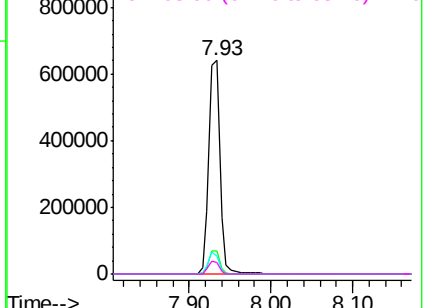


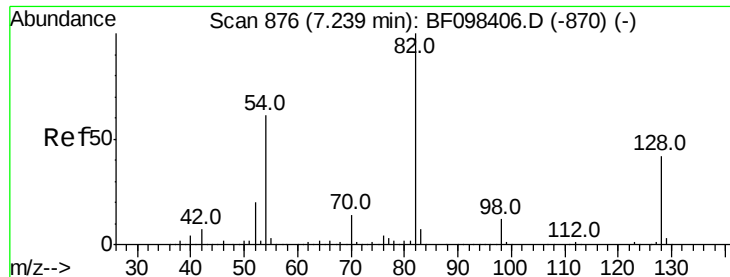
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

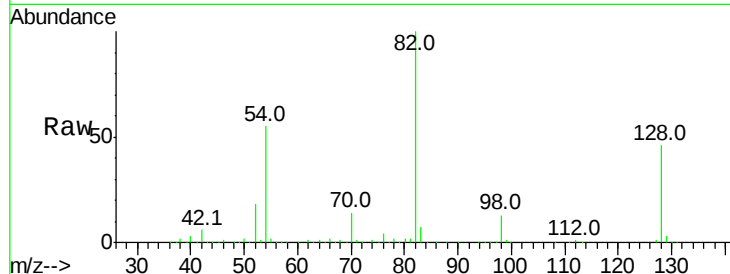




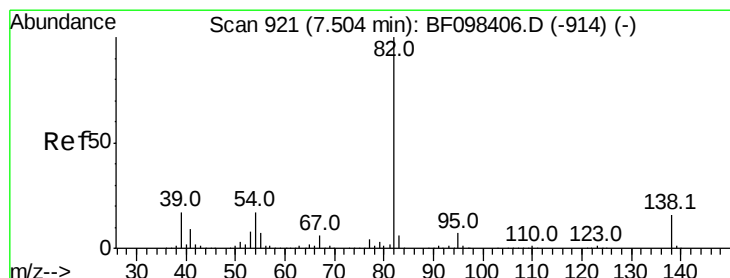
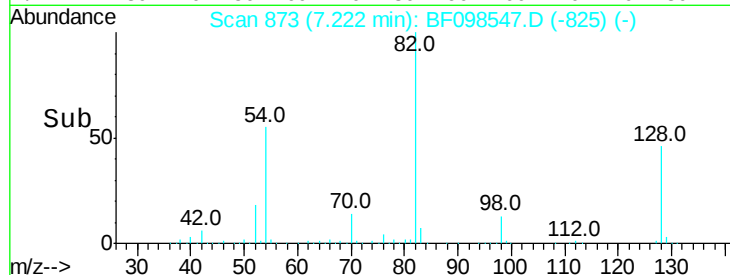
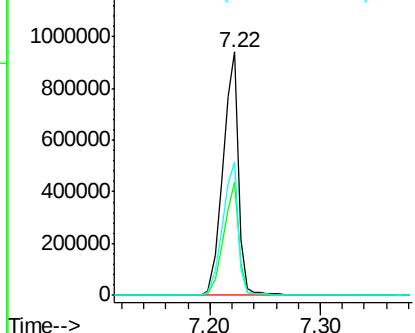
#23
Nitrobenzene-d5
Concen: 85.210 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Instrument :
BNA_F
ClientSampleId :
RL-7-0-11

Tot Ion: 82 Resp: 926152
Ion Ratio Lower Upper
82 100
128 46.4 34.0 51.0
54 54.9 42.2 63.2

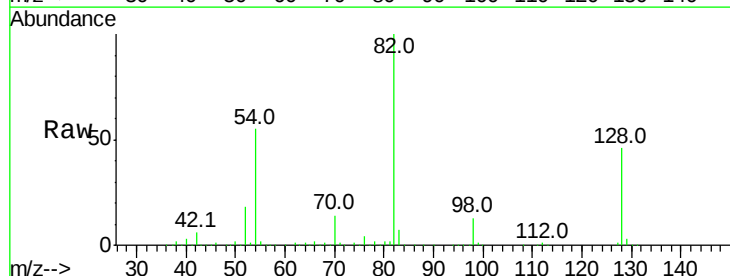


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

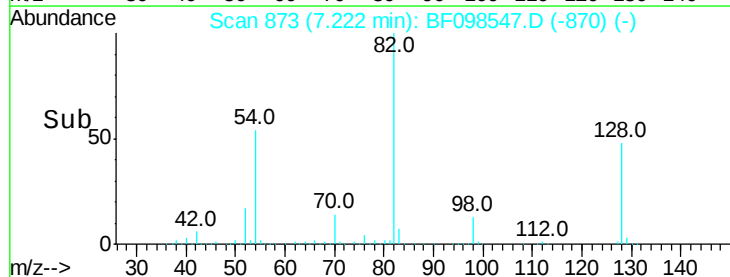
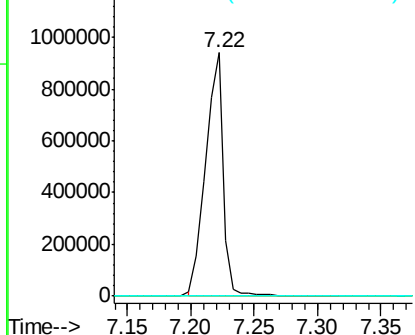


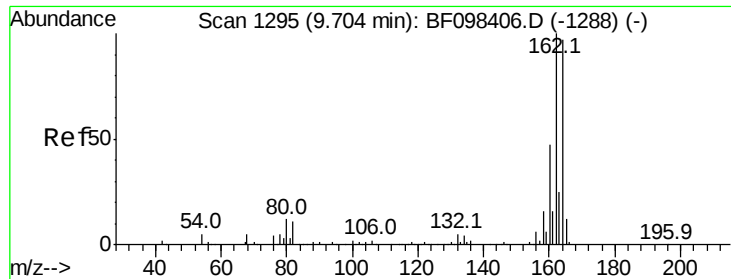
#25
Isophorone
Concen: 41.476 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.28 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Tgt Ion: 82 Resp: 912091
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): BF0

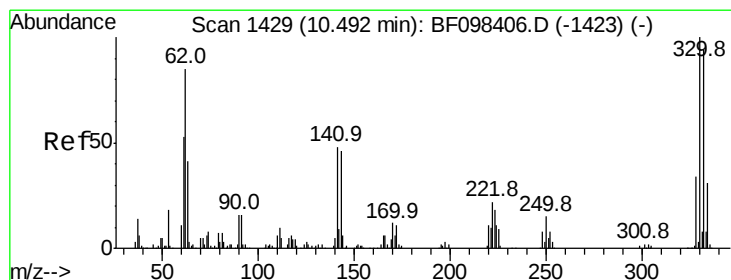
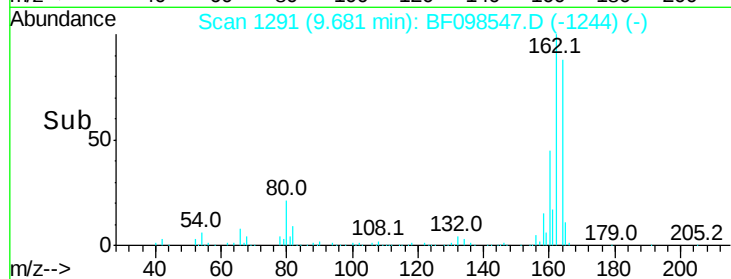
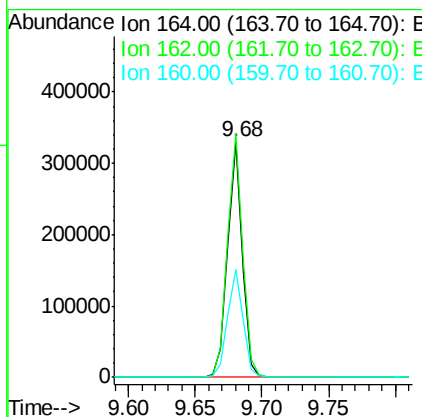
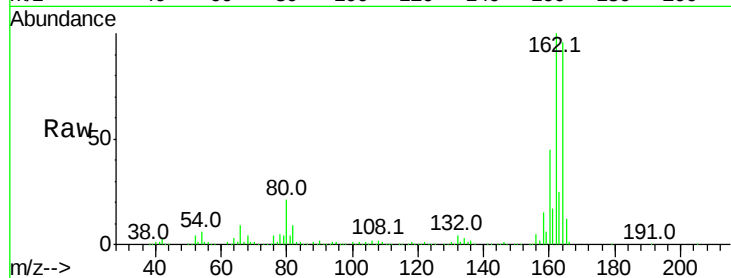




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098547.D
 Acq: 15 Sep 2017 00:14

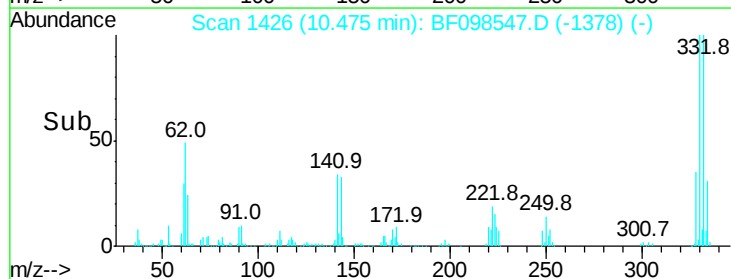
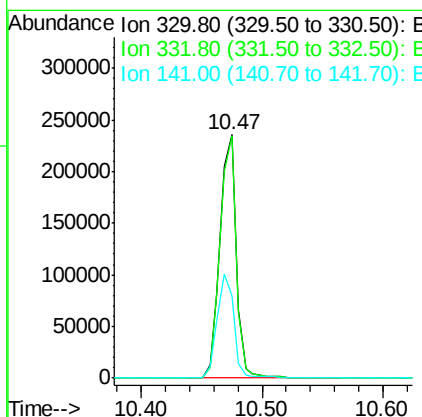
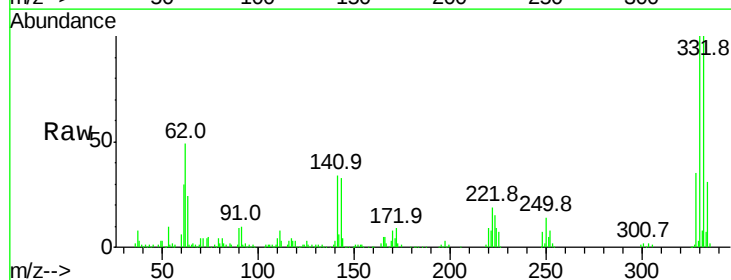
Instrument :
 BNA_F
 ClientSampleId :
 RL-7-0-11

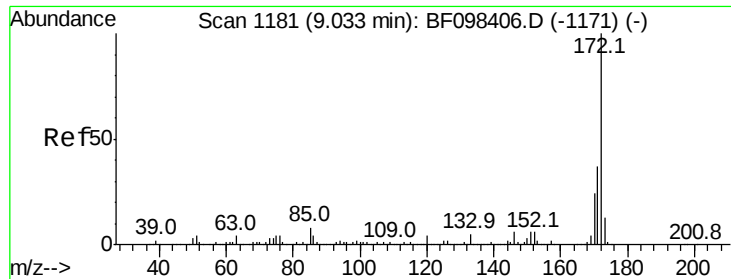
Tot Ion:164 Resp: 259860
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 46.2 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 127.367 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098547.D
 Acq: 15 Sep 2017 00:14

Tgt Ion:330 Resp: 220900
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 44.2 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 97.159 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Instrument :

BNA_F

ClientSampleId :

RL-7-0-11

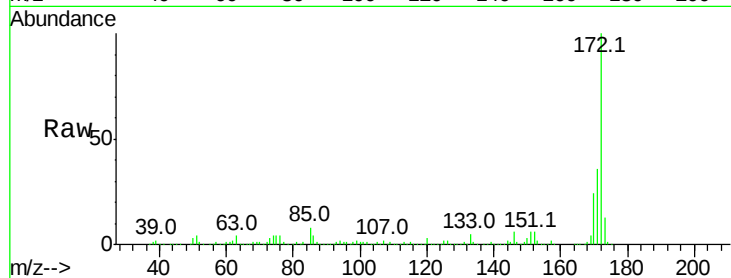
Tot Ion:172 Resp: 1489607

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.4	19.8	29.8

172 100

171 36.3 29.6 44.4

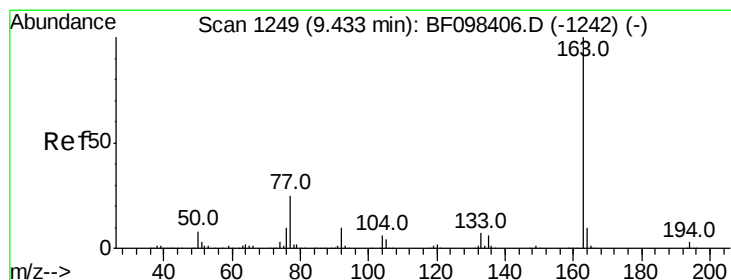
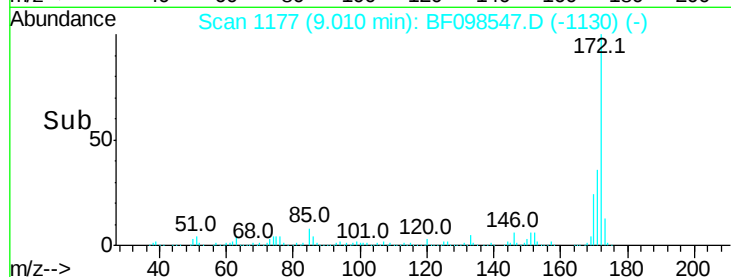
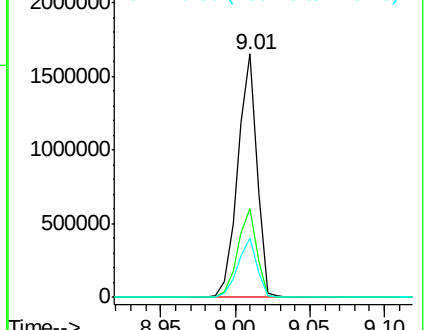
170 24.4 19.8 29.8



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: 10.597 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

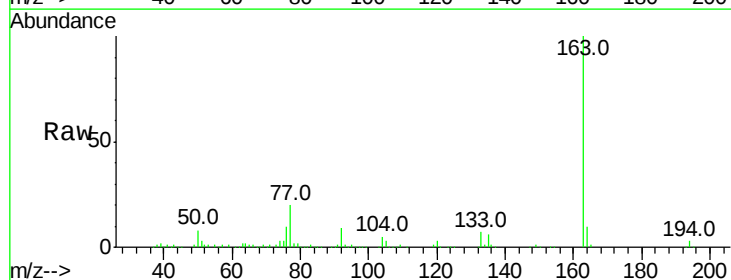
Tgt Ion:163 Resp: 213156

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.4	8.4	12.6

163 100

194 3.3 2.6 4.0

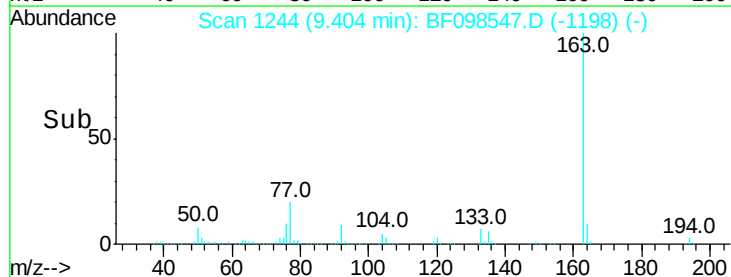
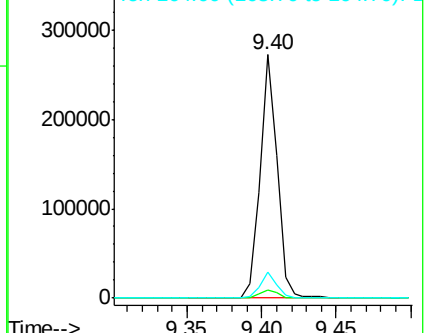
164 10.4 8.4 12.6

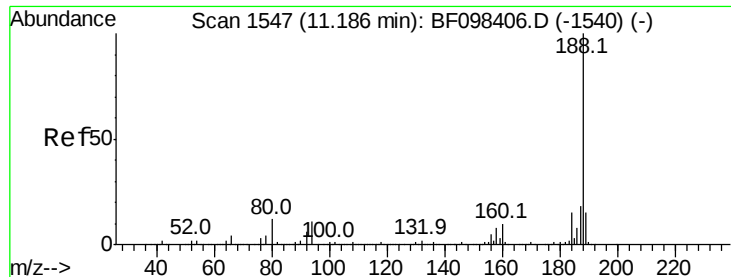


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

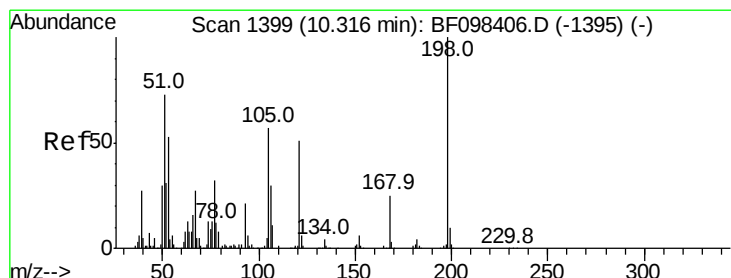
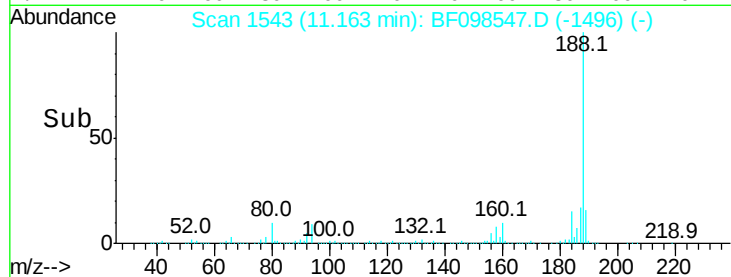
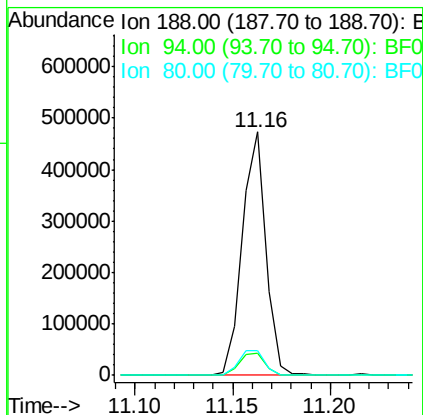
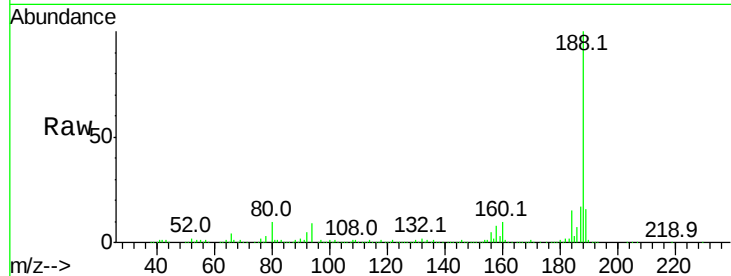




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

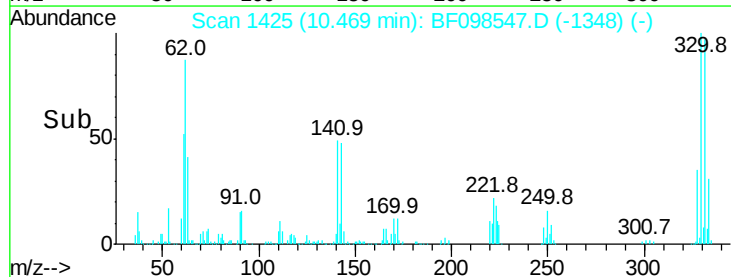
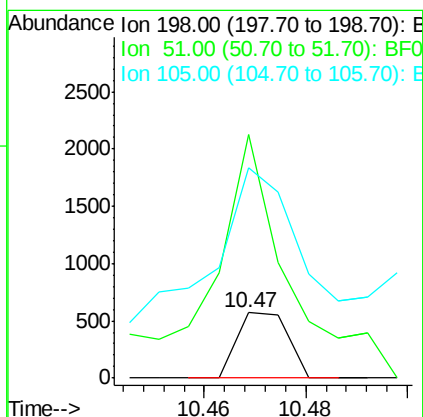
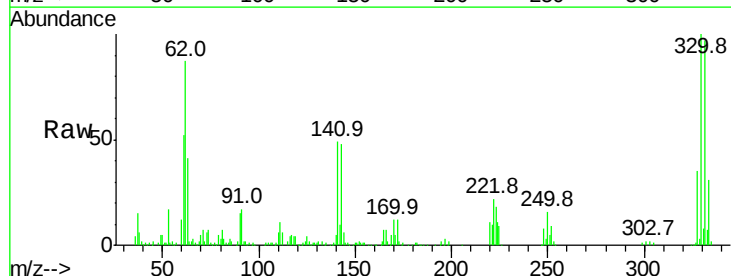
Instrument :
BNA_F
ClientSampleId :
RL-7-0-11

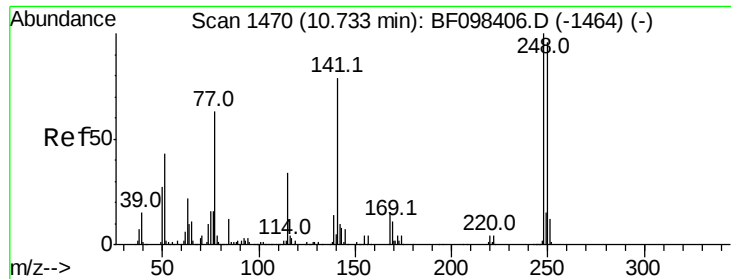
Tot Ion:188 Resp: 396605
Ion Ratio Lower Upper
188 100
94 9.2 9.4 14.2#
80 10.2 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 5.110 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.15 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Tgt Ion:198 Resp: 396
Ion Ratio Lower Upper
198 100
51 371.7 53.2 93.2#
105 321.7 45.8 85.8#

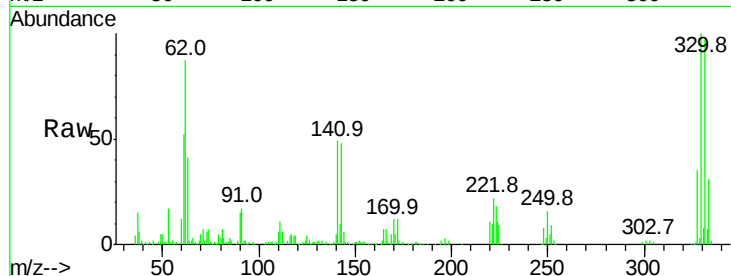




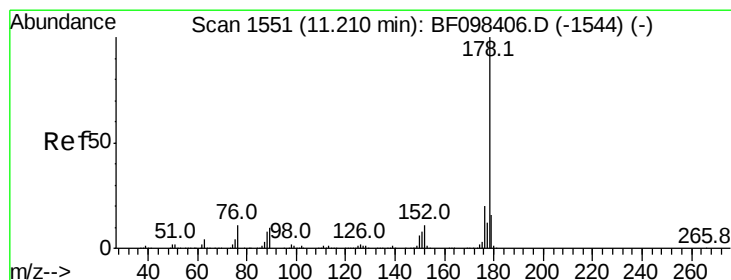
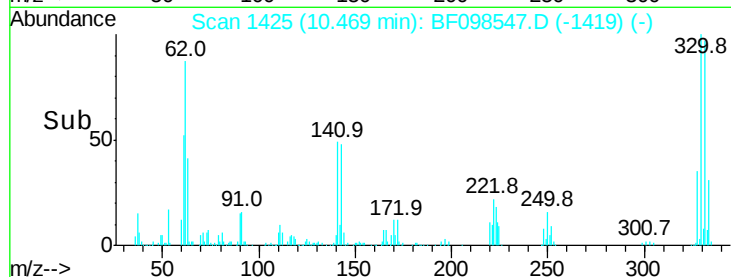
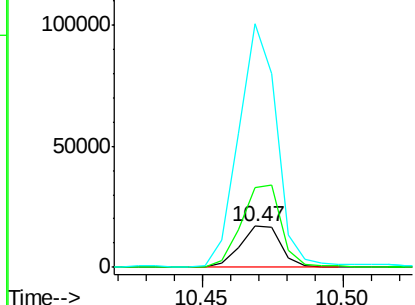
#66
 4-Bromophenyl-phenylether
 Concen: 4.429 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.26 min
 Lab File: BF098547.D
 Acq: 15 Sep 2017 00:14

Instrument :
 BNA_F
 ClientSampled :
 RL-7-0-11

Tot Ion:248 Resp: 16672
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.8 115.2#
 141 597.4 68.6 103.0#

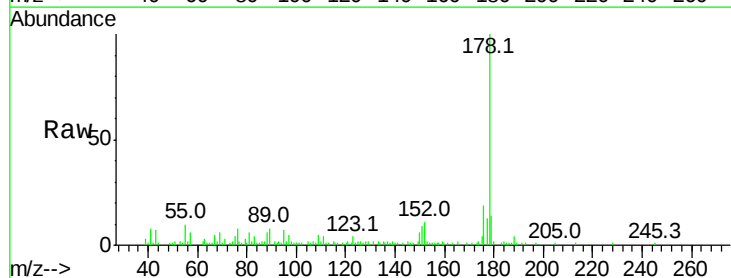


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

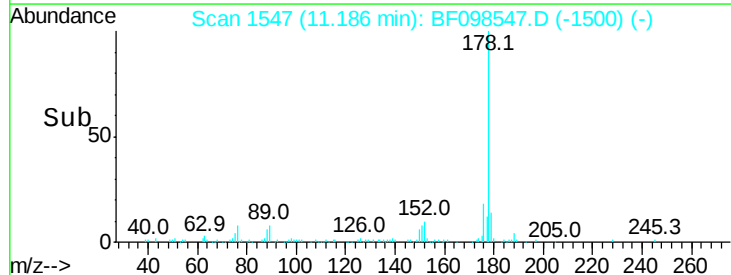
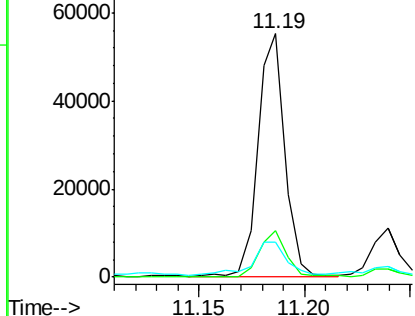


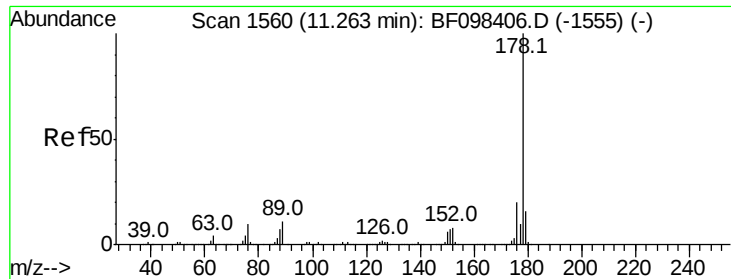
#70
 Phenanthrene
 Concen: 2.358 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF098547.D
 Acq: 15 Sep 2017 00:14

Tgt Ion:178 Resp: 49577
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 14.5 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

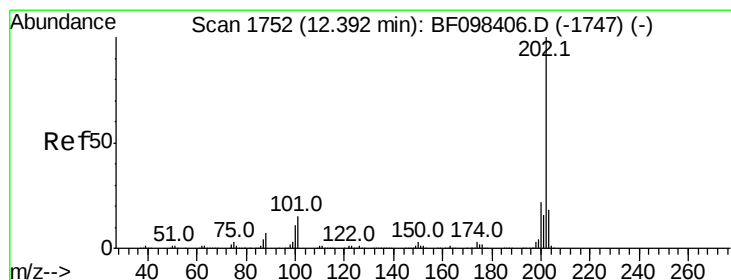
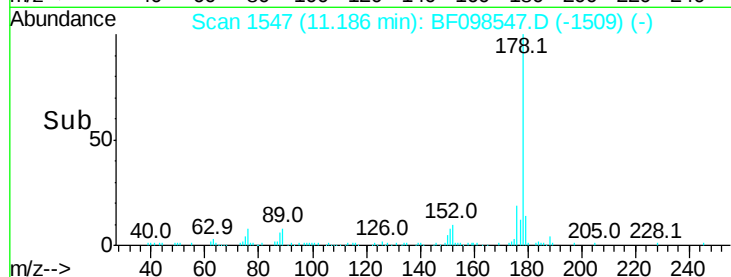
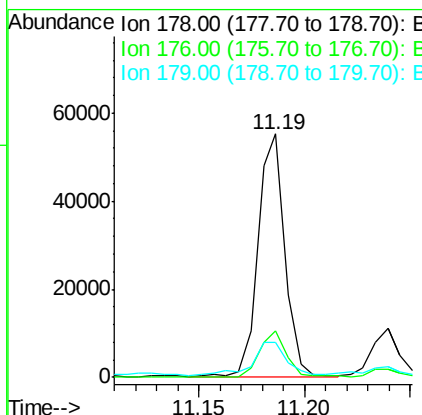
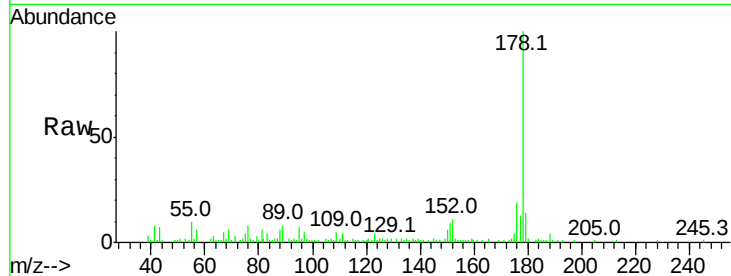




#71
 Anthracene
 Concen: 2.297 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.08 min
 Lab File: BF098547.D
 Acq: 15 Sep 2017 00:14

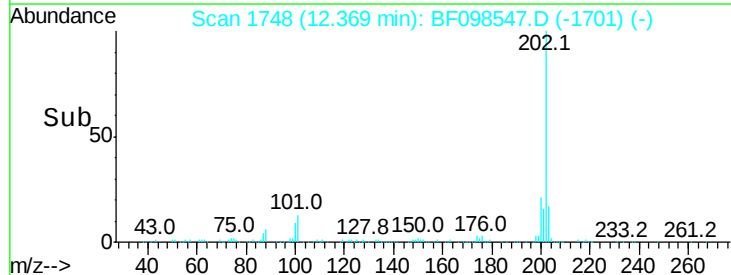
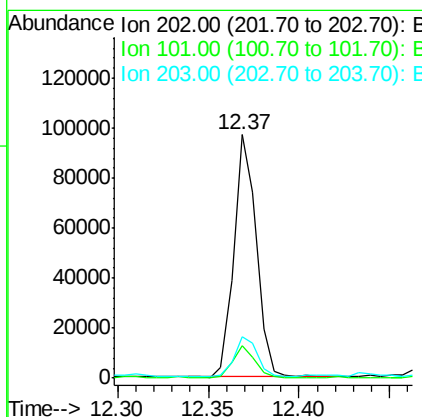
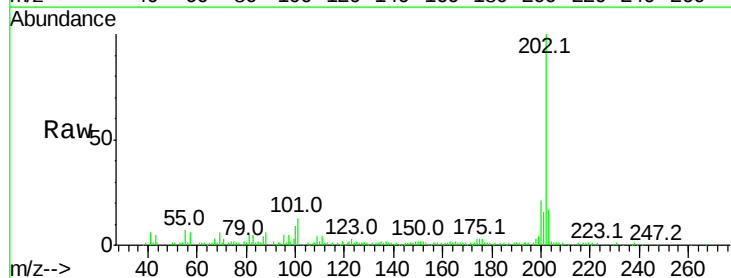
Instrument :
 BNA_F
 ClientSampleId :
 RL-7-0-11

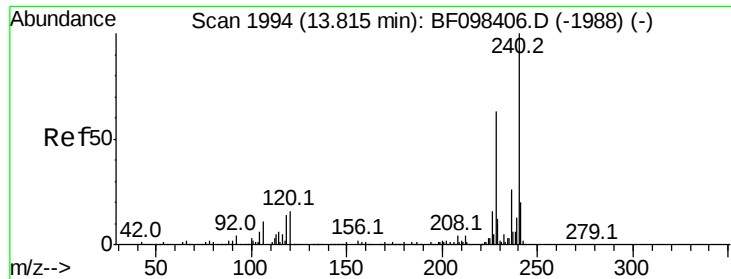
Tot Ion:178 Resp: 49577
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 14.5 12.7 19.1



#74
 Fluoranthene
 Concen: 3.960 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BF098547.D
 Acq: 15 Sep 2017 00:14

Tgt Ion:202 Resp: 83347
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 33.2
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Instrument :

BNA_F

ClientSampleId :

RL-7-0-11

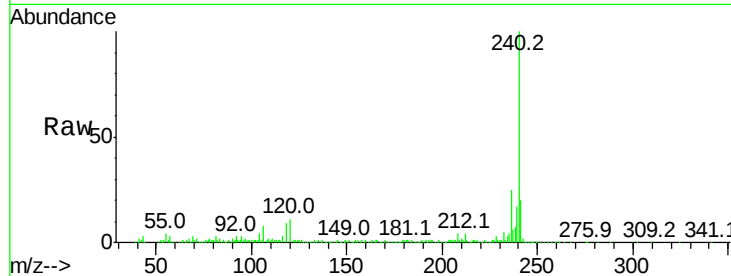
Tot Ion:240 Resp: 295854

Ion Ratio Lower Upper

240 100

120 11.2 5.8 8.8#

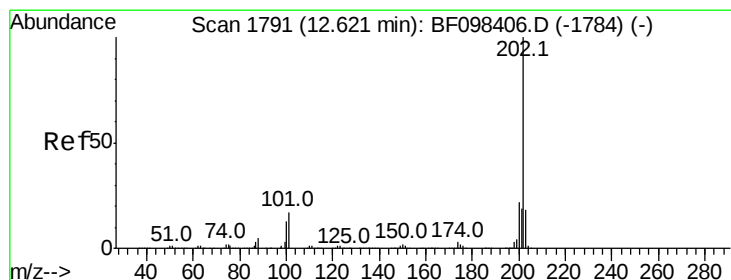
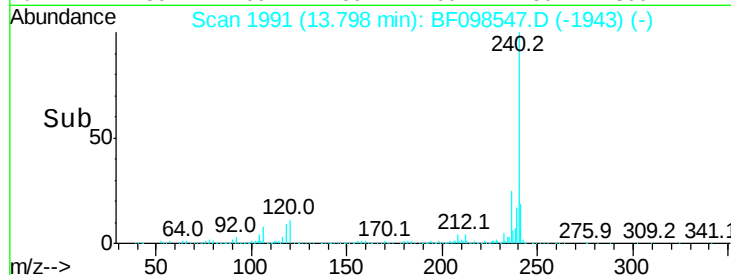
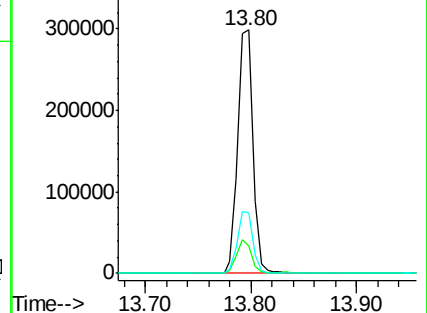
236 24.7 20.5 30.7



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: 3.218 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

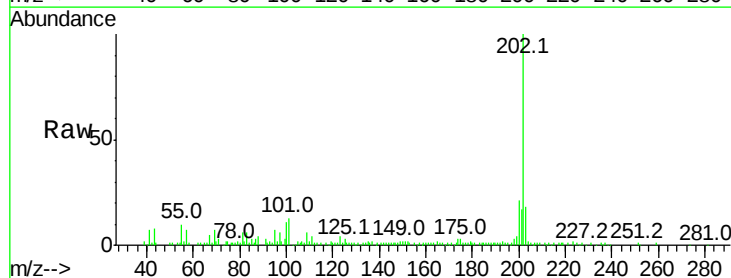
Tgt Ion:202 Resp: 75114

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

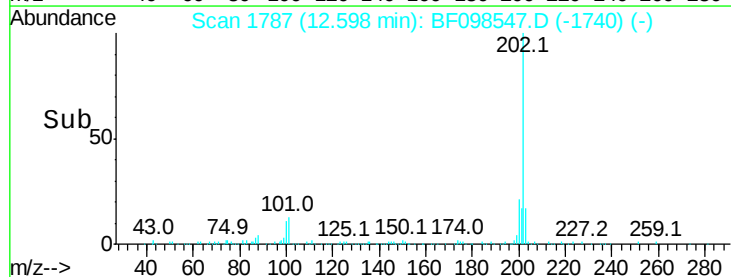
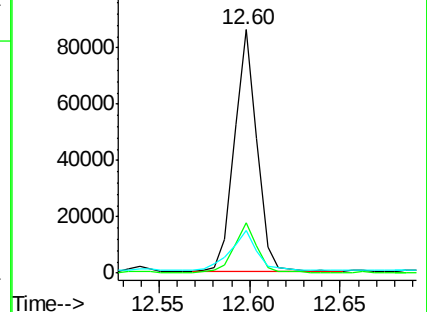
203 17.7 14.4 21.6

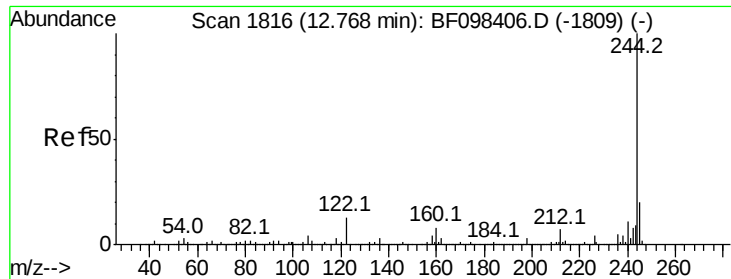


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.576 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Instrument :

BNA_F

ClientSampled :

RL-7-0-11

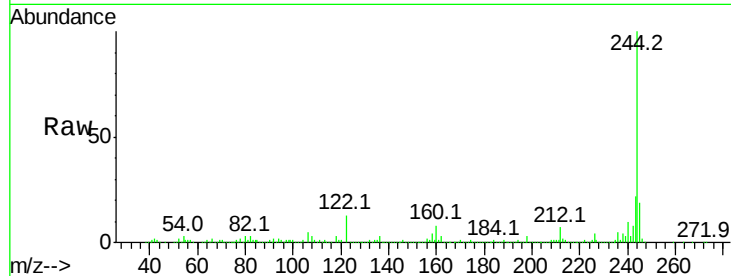
Tot Ion:244 Resp: 953654

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

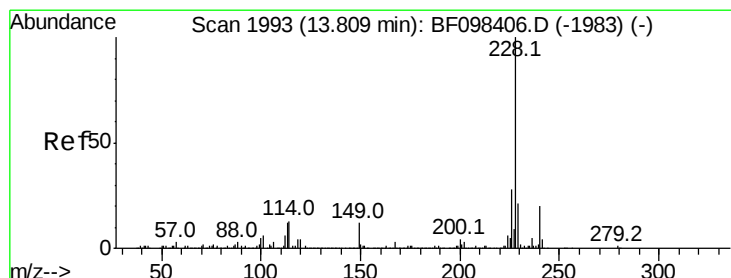
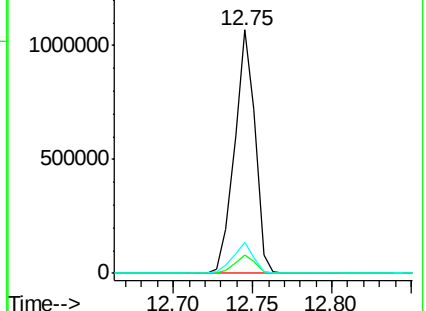
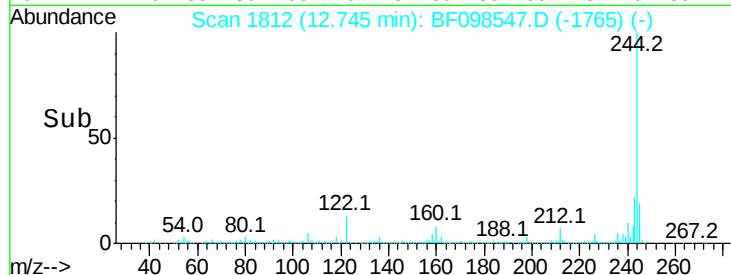
122 12.9 10.3 15.5



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: 2.027 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

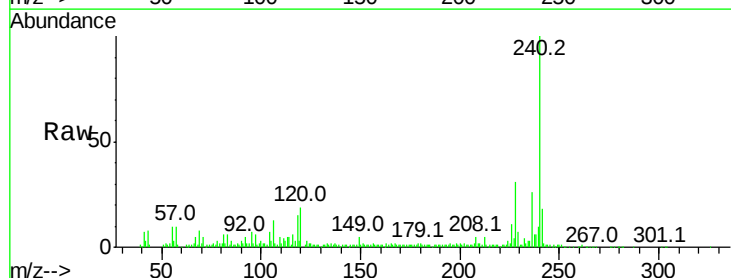
Tgt Ion:228 Resp: 35165

Ion Ratio Lower Upper

228 100

226 36.1 22.6 33.8#

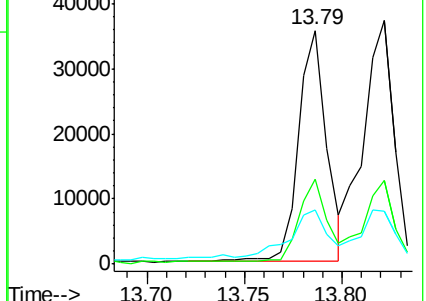
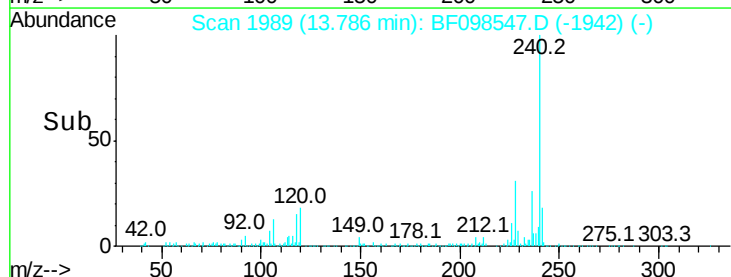
229 22.9 16.3 24.5

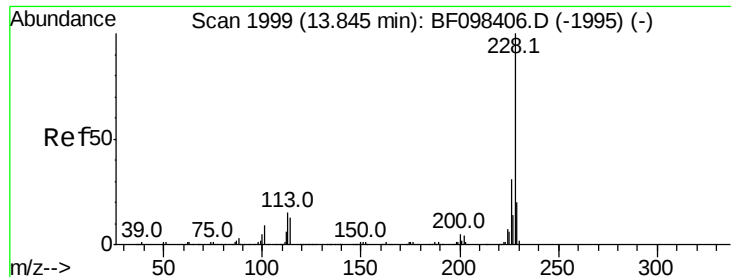


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

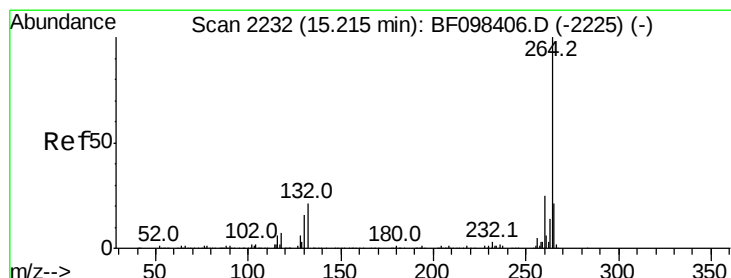
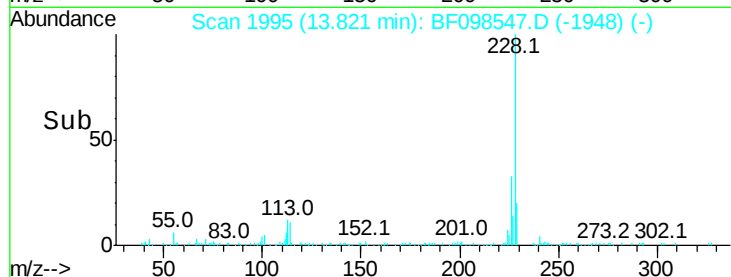
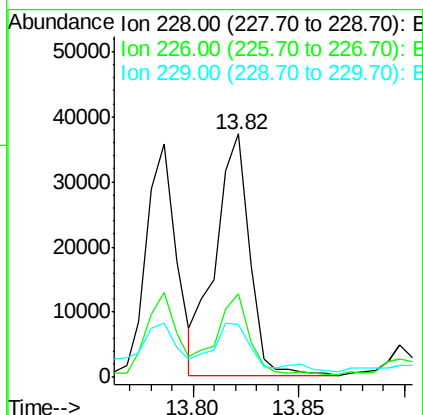
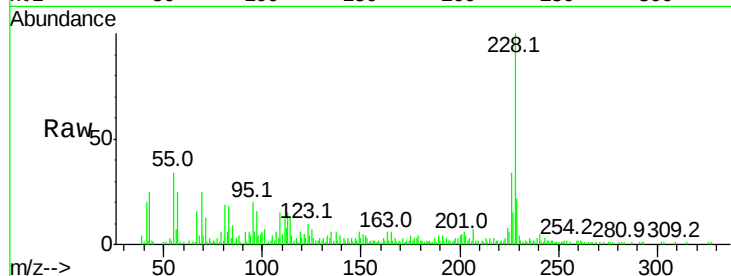




#82
Chrysene
Concen: 2.353 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

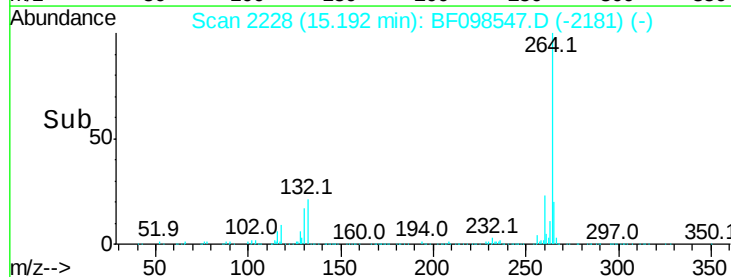
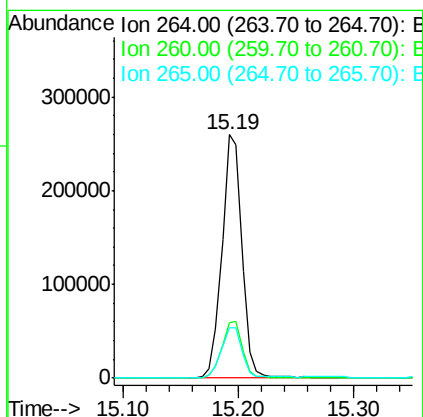
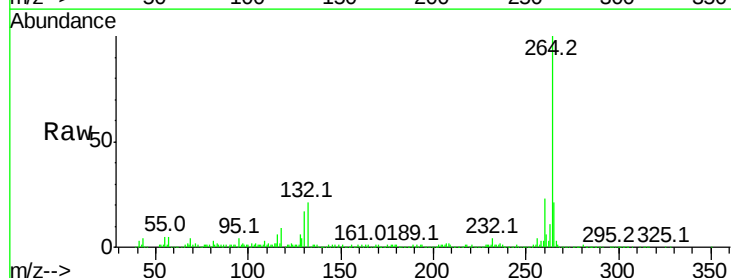
Instrument :
BNA_F
ClientSampled :
RL-7-0-11

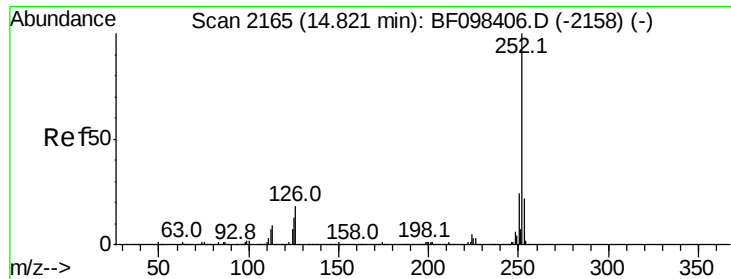
Tot Ion:228 Resp: 41263
Ion Ratio Lower Upper
228 100
226 34.2 24.9 37.3
229 21.9 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Tgt Ion:264 Resp: 309136
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 20.6 17.2 25.8

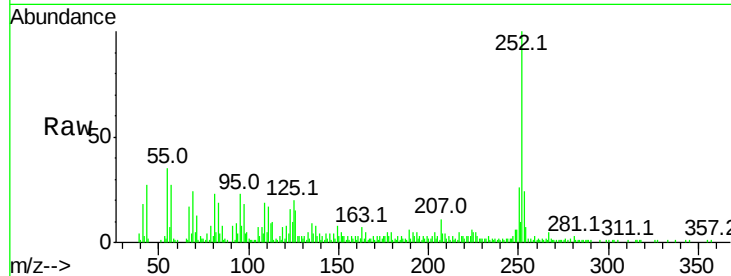




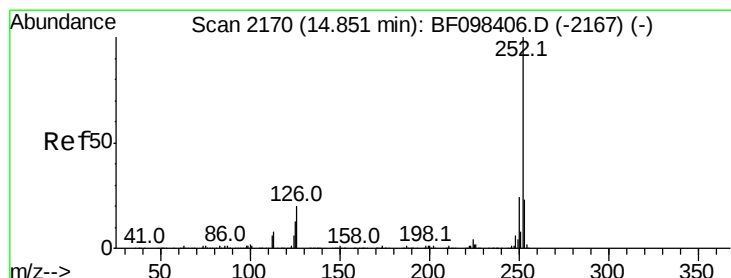
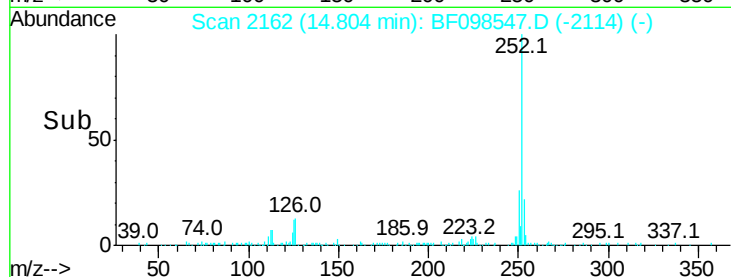
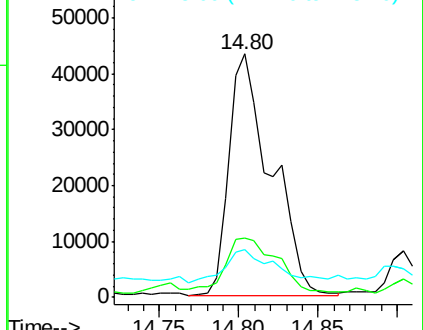
#87
Benzo(b)fluoranthene
Concen: 4.081 ng
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Instrument :
BNA_F
ClientSampleId :
RL-7-0-11

Tot Ion:252 Resp: 79316
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 19.6 9.8 14.8#

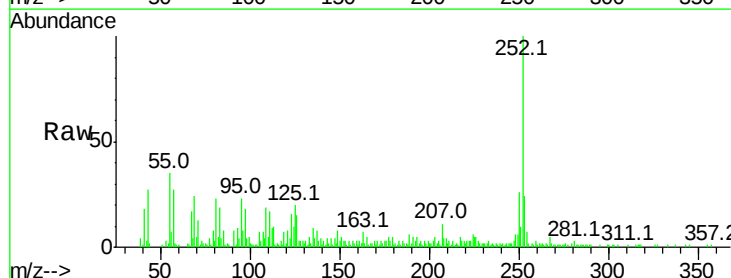


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

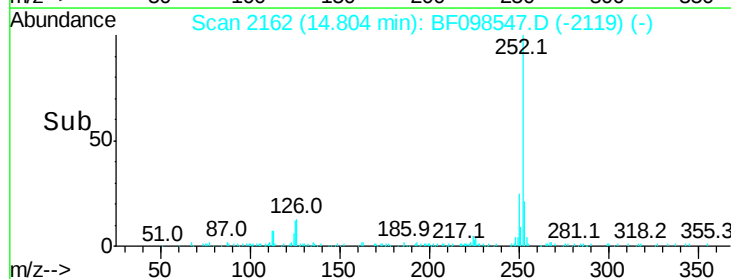
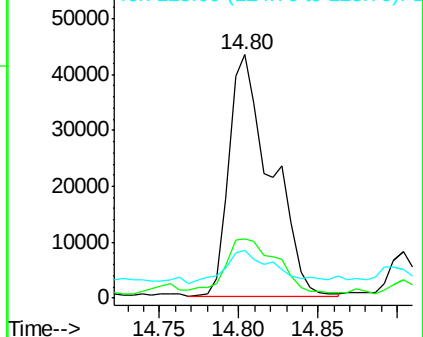


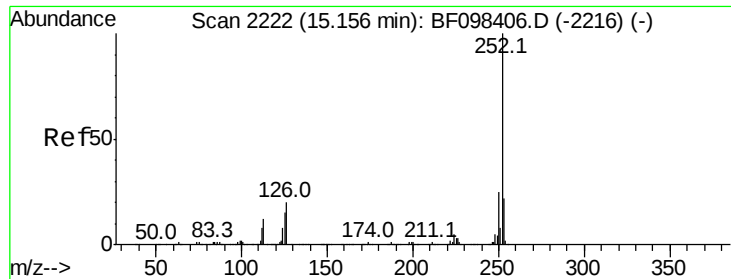
#88
Benzo(k)fluoranthene
Concen: 4.371 ng
RT: 14.80 min Scan# 2162
Delta R.T. -0.05 min
Lab File: BF098547.D
Acq: 15 Sep 2017 00:14

Tgt Ion:252 Resp: 79316
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 19.6 13.1 19.7



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





#89

Benzo(a)pyrene

Concen: 2.325 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF098547.D

Acq: 15 Sep 2017 00:14

Instrument :

BNA_F

ClientSampleId :

RL-7-0-11

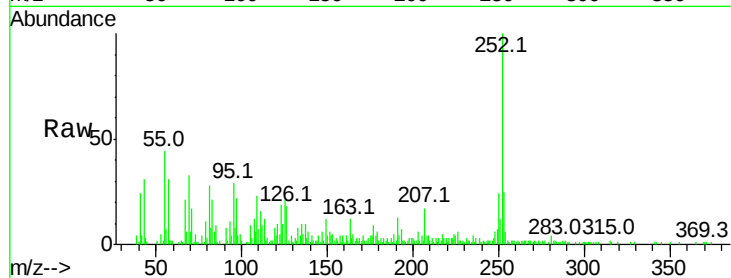
Tot Ion:252 Resp: 40256

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 21.1 11.0 16.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

