

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098565.D
 Acq On : 15 Sep 2017 13:15
 Operator : SJ/JU
 Sample : I5188-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

Quant Time: Sep 15 13:53:00 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	6.65	152	136156	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	562116	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	242399	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	394699	20.00	ng	0.00
75) Chrysene-d12	13.80	240	266303	20.00	ng	0.00
86) Perylene-d12	15.21	264	290179	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	794183	86.24	ng	0.00
7) Phenol-d6	6.30	99	1032863	88.34	ng	0.00
23) Nitrobenzene-d5	7.22	82	648322	64.30	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	145832	90.14	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1096884	76.70	ng	0.00
78) Terphenyl-d14	12.75	244	738752	59.88	ng	0.00

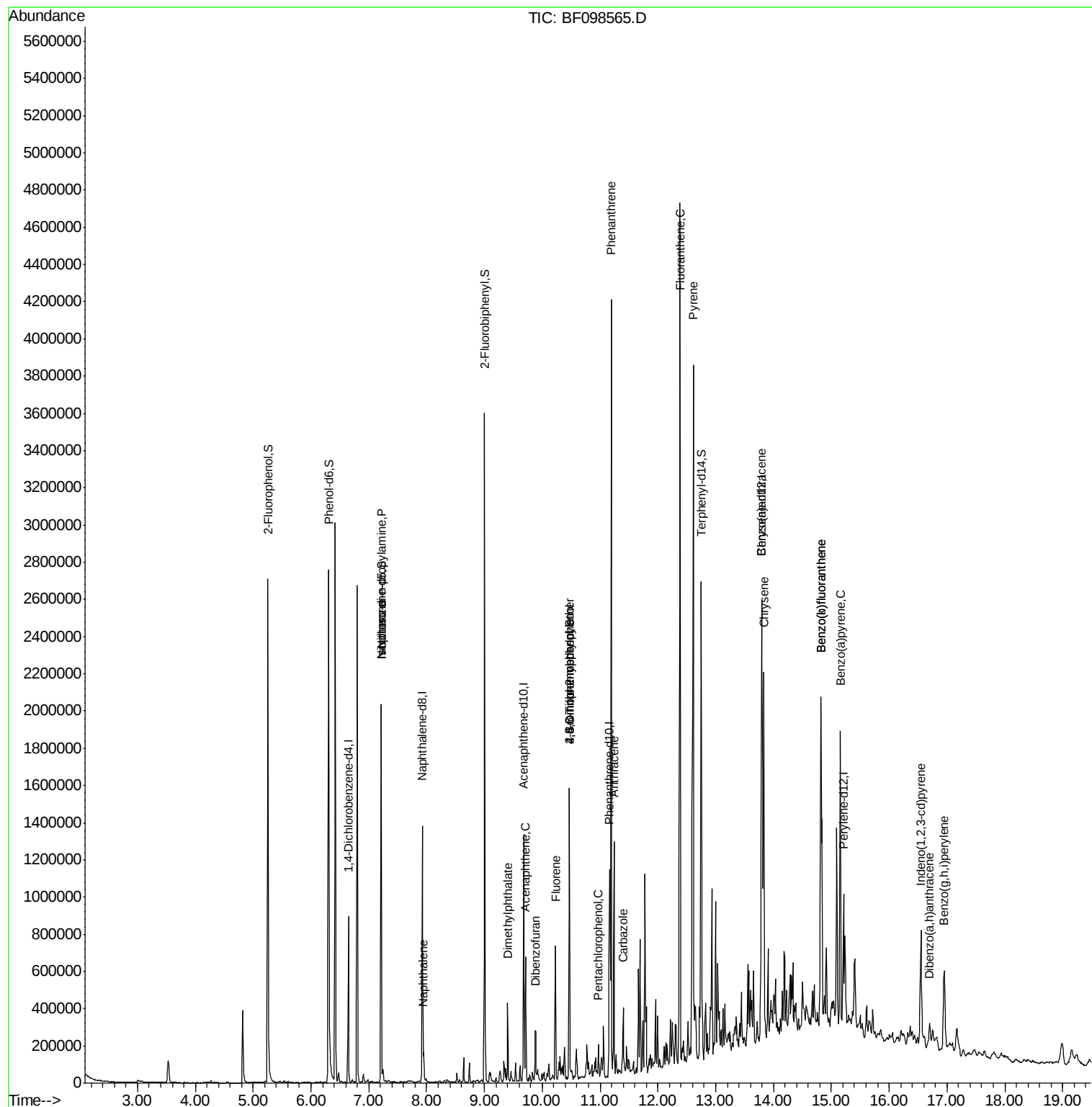
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.22	70	86480	11.759	ng	# 79
25) Isophorone	7.22	82	648317	31.780	ng	# 67
31) Naphthalene	7.95	128	70551	2.539	ng	98
49) Dimethylphthalate	9.40	163	141478	7.540	ng	98
51) Acenaphthene	9.71	154	129702	8.857	ng	97
54) Dibenzofuran	9.89	168	94716	4.909	ng	97
57) Fluorene	10.23	166	186499	11.679	ng	99
64) 4,6-Dinitro-2-methylphenol	10.47	198	365	5.099	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	10924	2.916	ng	# 1
69) Pentachlorophenol	10.98	266	232	7.065	ng	# 12
70) Phenanthrene	11.19	178	1629683	77.885	ng	99
71) Anthracene	11.24	178	440087	20.486	ng	98
72) Carbazole	11.40	167	119902	5.989	ng	98
74) Fluoranthene	12.39	202	2011023	96.007	ng	98
77) Pyrene	12.61	202	1678236	79.887	ng	99
80) Benzo(a)anthracene	13.80	228	883579	56.593	ng	99
82) Chrysene	13.83	228	717133	45.440	ng	97
85) Indeno(1,2,3-cd)pyrene	16.55	276	341118	30.808	ng	# 91
87) Benzo(b)fluoranthene	14.82	252	1310435	71.822	ng	99
88) Benzo(k)fluoranthene	14.82	252	1310435	76.933	ng	97
89) Benzo(a)pyrene	15.16	252	688584	42.361	ng	97
90) Dibenzo(a,h)anthracene	16.70	278	72233	6.109	ng	93
91) Benzo(g,h,i)perylene	16.95	276	320378	26.938	ng	95

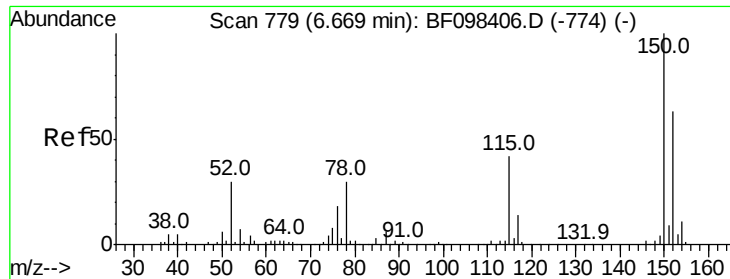
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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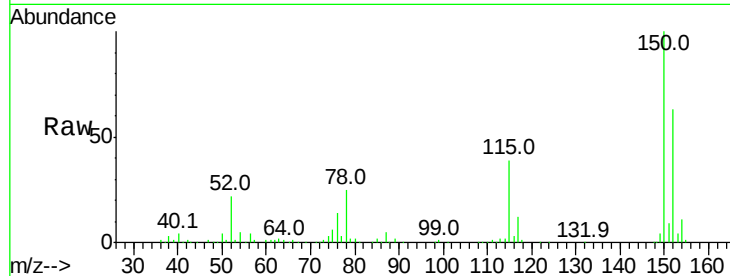


#1

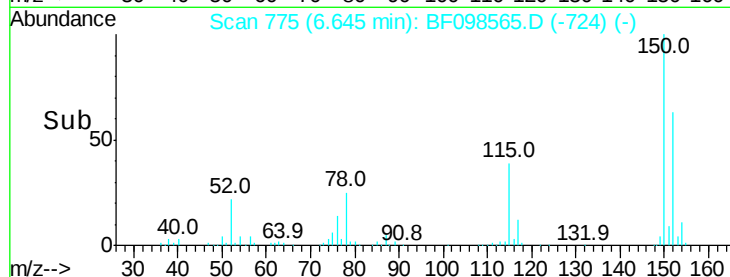
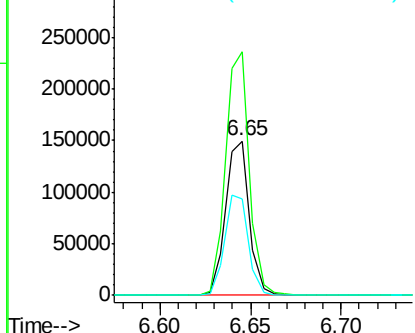
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

Tot Ion:152 Resp: 136156
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.2 189.2
 115 62.2 52.2 78.2



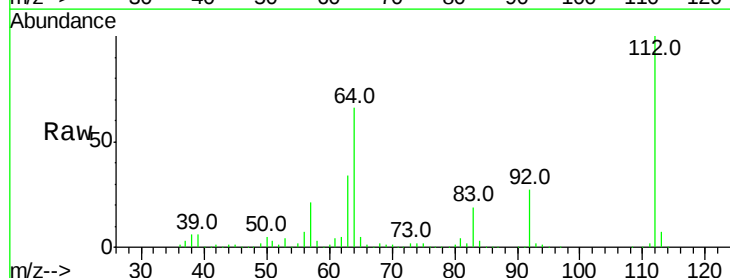
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



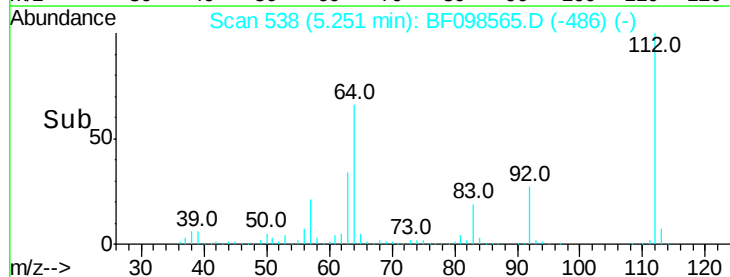
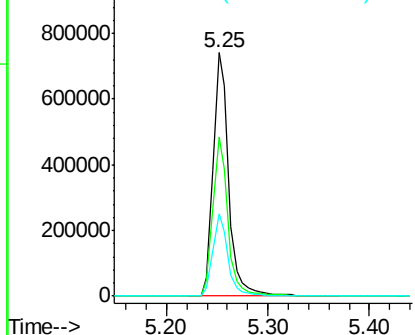
#5

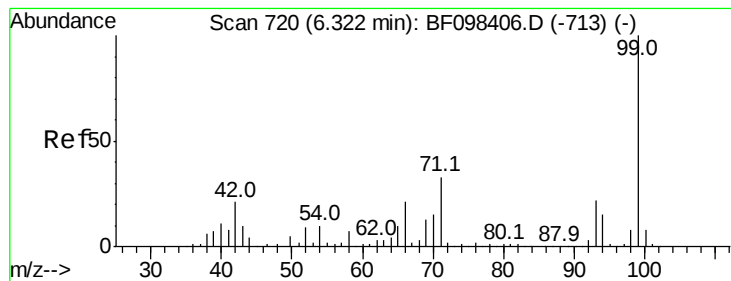
2-Fluorophenol
 Concen: 86.241 ng
 RT: 5.25 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Tgt Ion:112 Resp: 794183
 Ion Ratio Lower Upper
 112 100
 64 65.6 46.0 69.0
 63 33.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.338 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

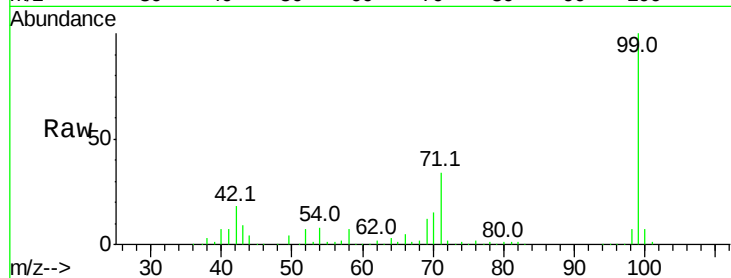
Tot Ion: 99 Resp: 1032863

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

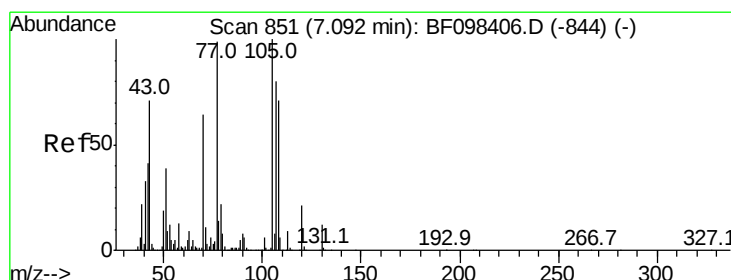
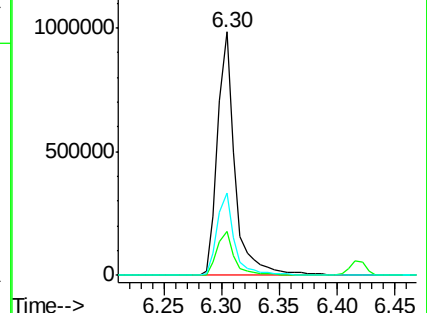
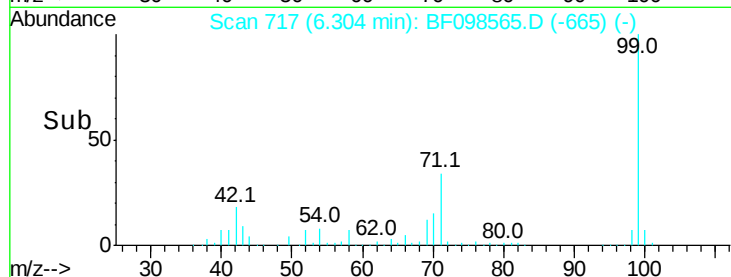
71 34.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.759 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion: 70 Resp: 86480

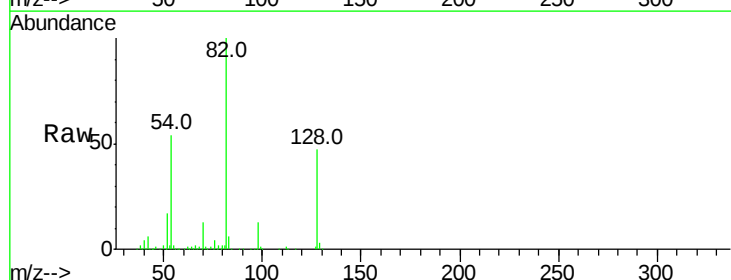
Ion Ratio Lower Upper

70 100

42 48.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

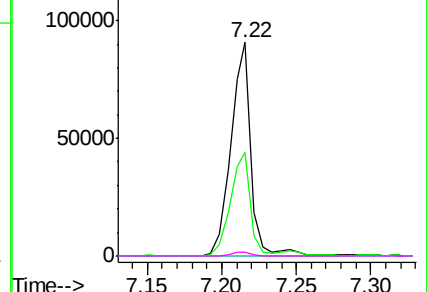
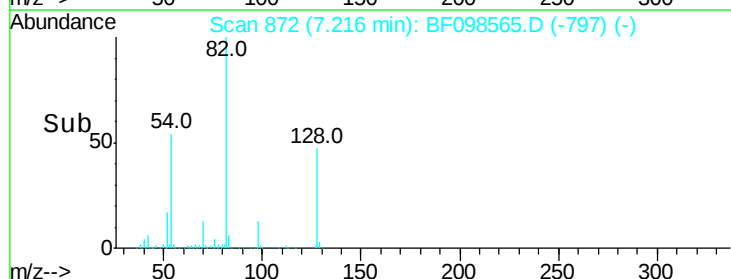


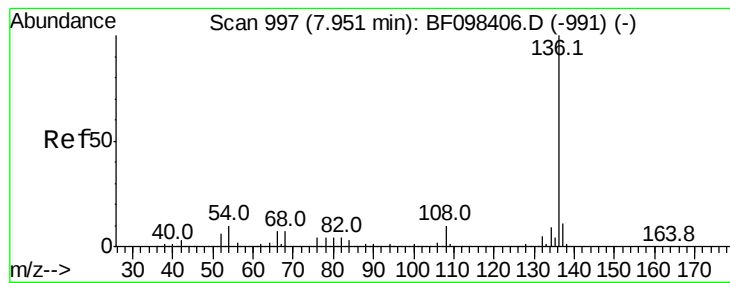
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

Tot Ion:136 Resp: 562116

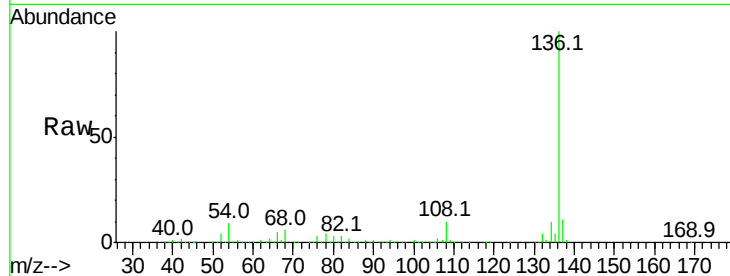
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.7 4.9 7.3#

68 5.6 4.1 6.1

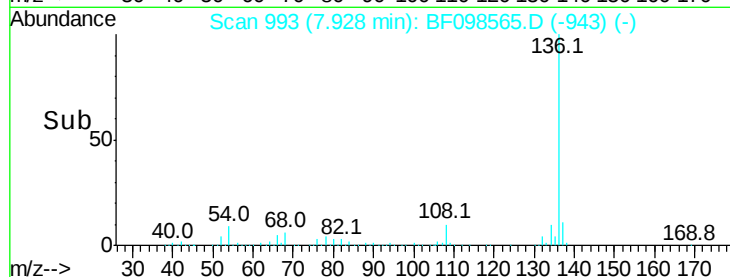


Abundance Ion 136.00 (135.70 to 136.70): E

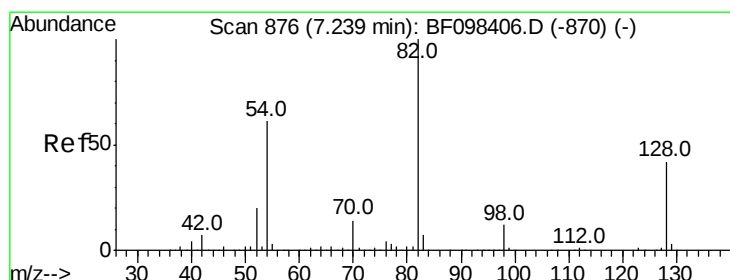
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 64.299 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

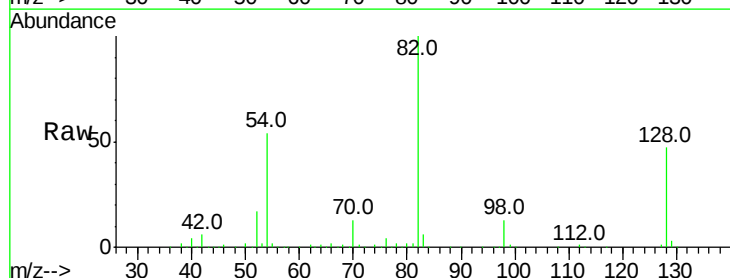
Tgt Ion: 82 Resp: 648322

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

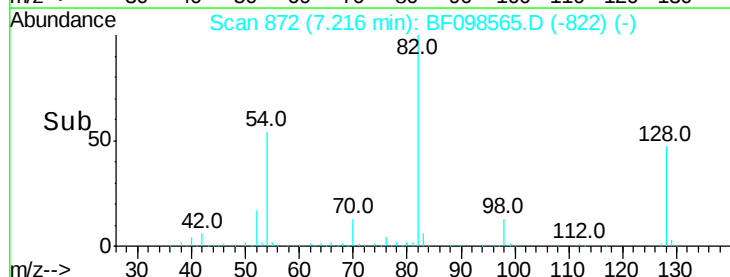
54 54.1 42.2 63.2



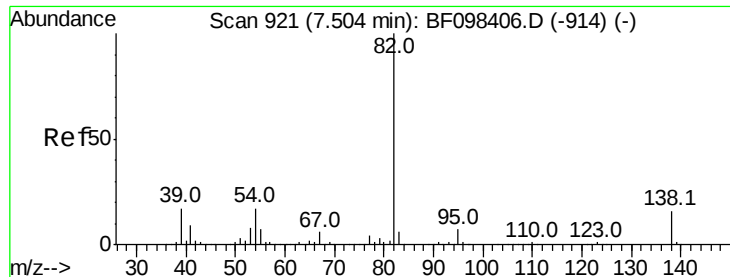
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 31.780 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

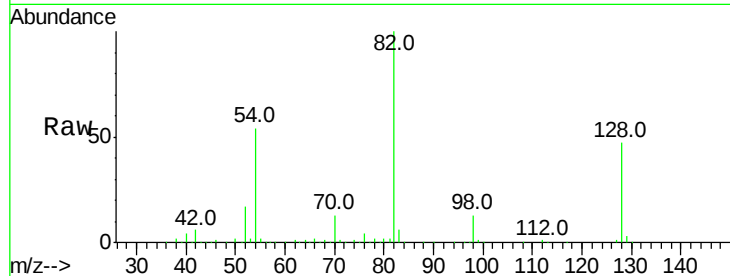
Tot Ion: 82 Resp: 648317

Ion Ratio Lower Upper

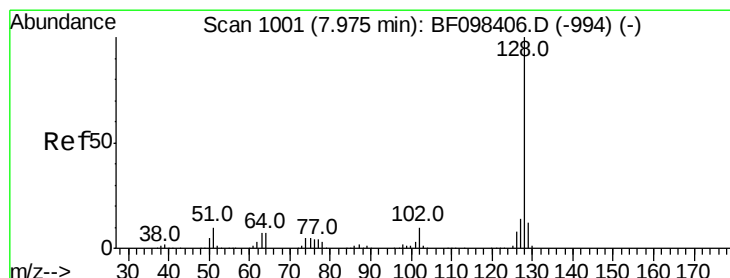
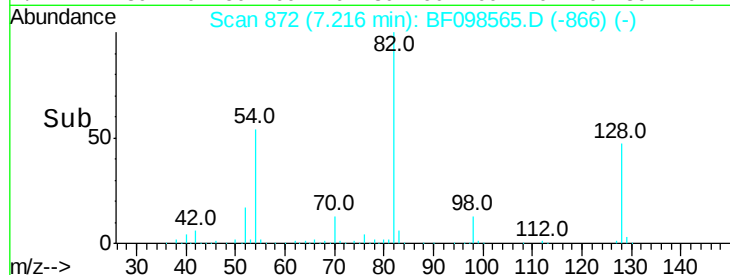
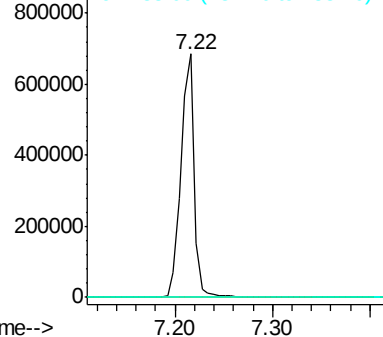
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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



#31

Naphthalene

Concen: 2.539 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

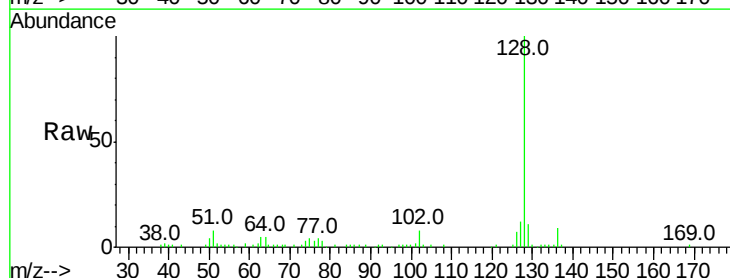
Tgt Ion: 128 Resp: 70551

Ion Ratio Lower Upper

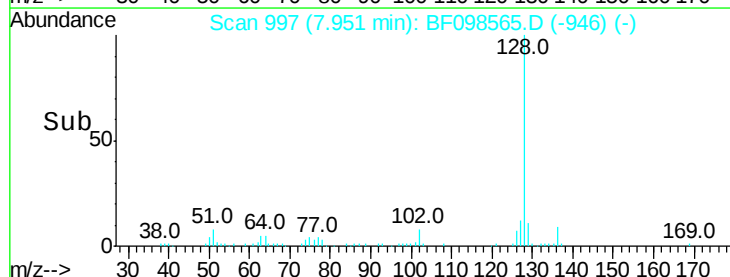
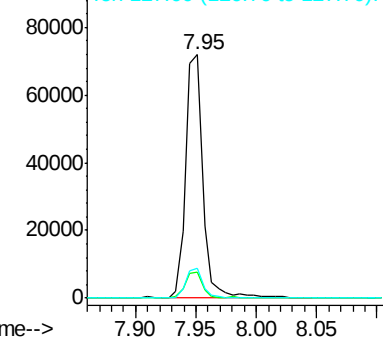
128 100

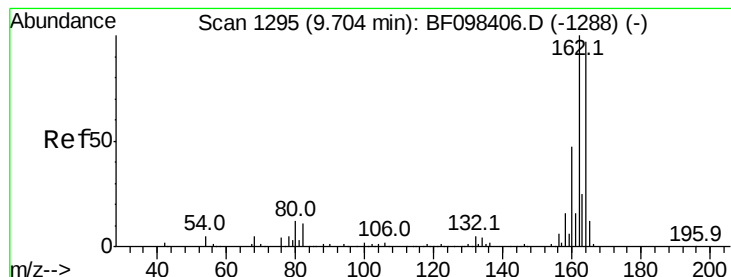
129 10.9 9.0 13.6

127 12.4 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

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ClientSampleId :

RL-2-0-17.25

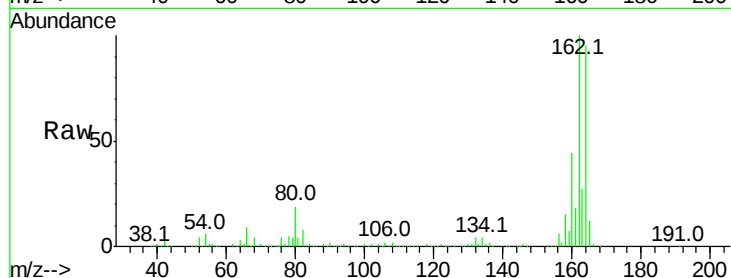
Tot Ion:164 Resp: 242399

Ion Ratio Lower Upper

164 100

162 105.4 82.6 123.8

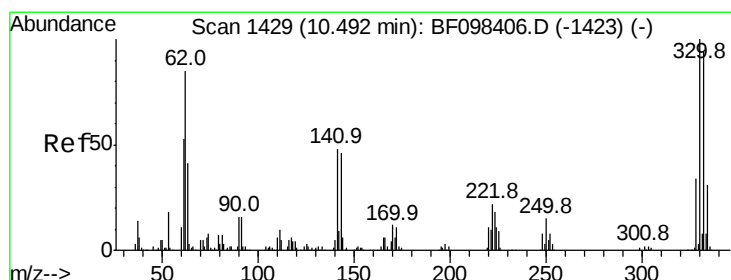
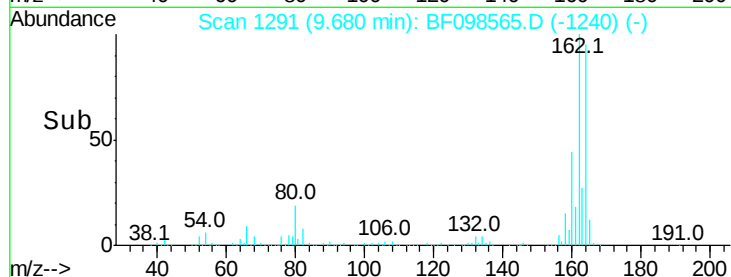
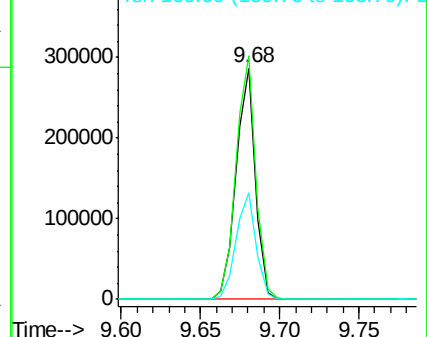
160 46.1 36.2 54.2



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: 90.141 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

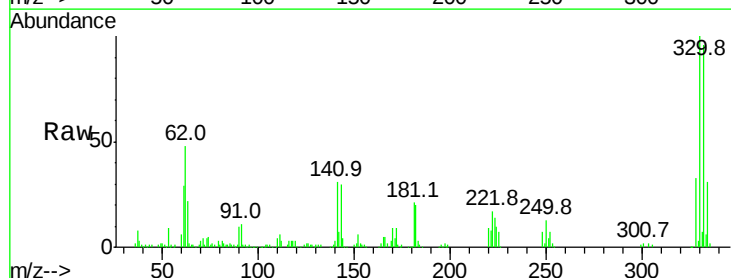
Tgt Ion:330 Resp: 145832

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

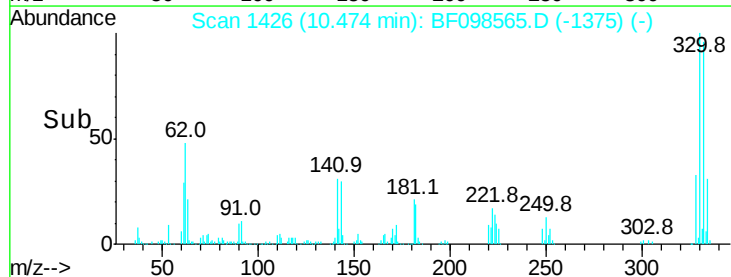
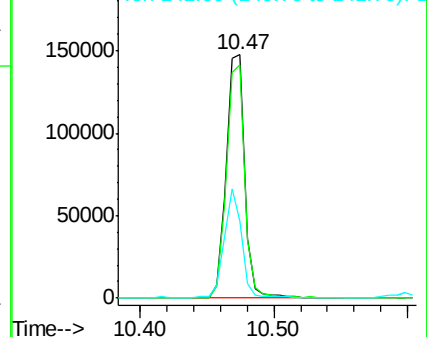
141 41.9 31.4 47.2

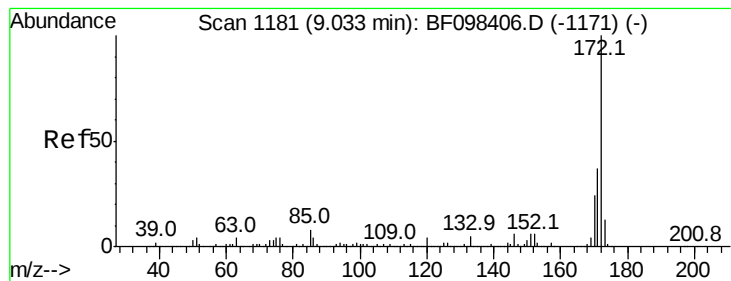


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 76.697 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

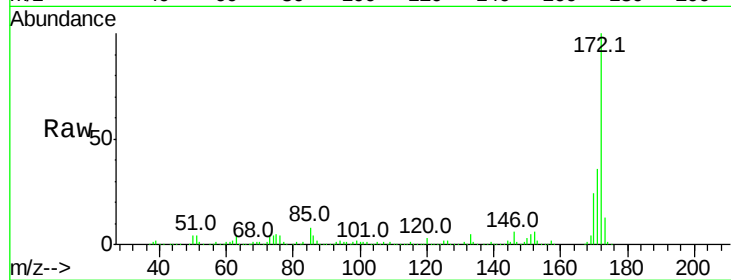
BNA_F

ClientSampleId :

RL-2-0-17.25

Tot Ion:172 Resp: 1096884

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.9	19.8	29.8

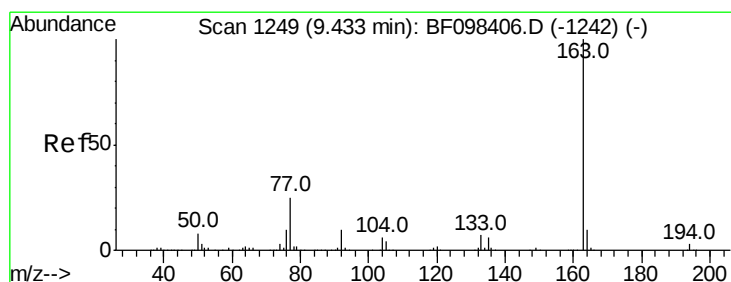
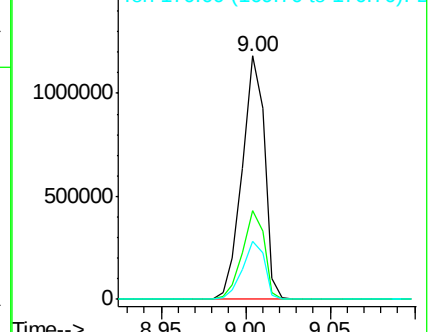
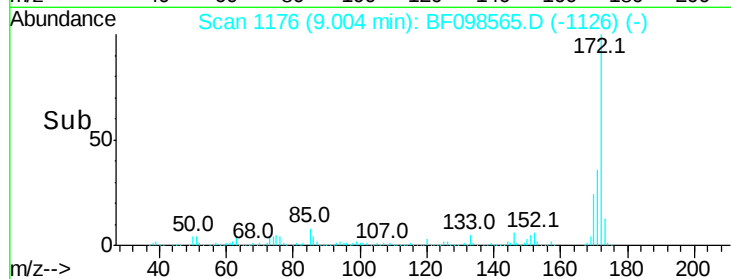


Abundance

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: 7.540 ng

RT: 9.40 min Scan# 1244

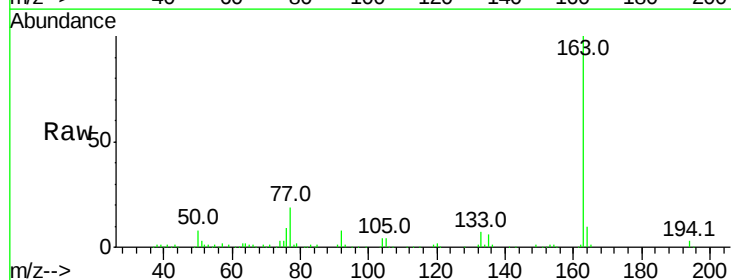
Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Tgt Ion:163 Resp: 141478

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.5	8.4	12.6

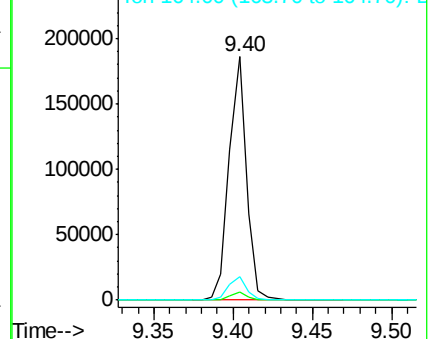
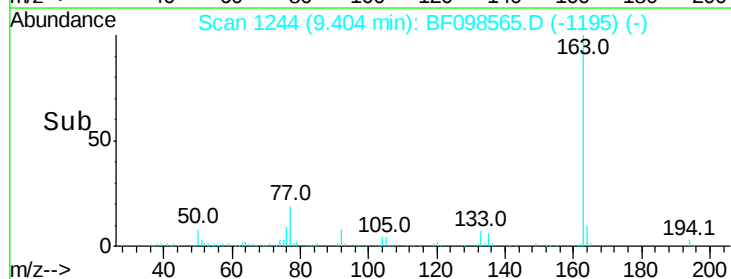


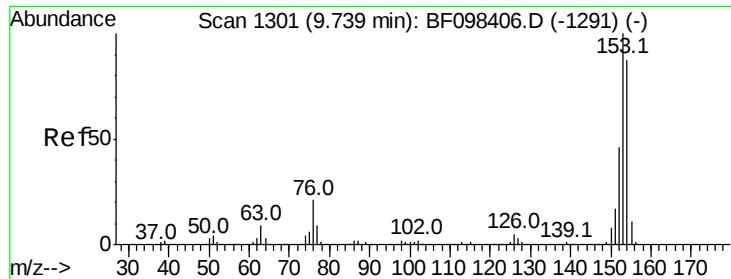
Abundance

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





#51

Acenaphthene

Concen: 8.857 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

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ClientSampleId :

RL-2-0-17.25

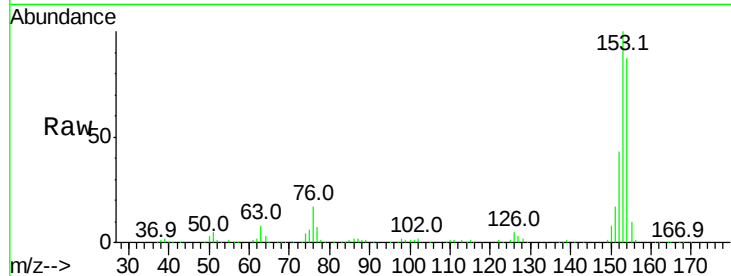
Tot Ion:154 Resp: 129702

Ion Ratio Lower Upper

154 100

153 114.8 90.5 135.7

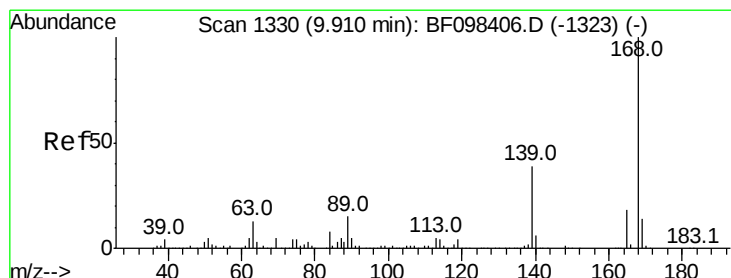
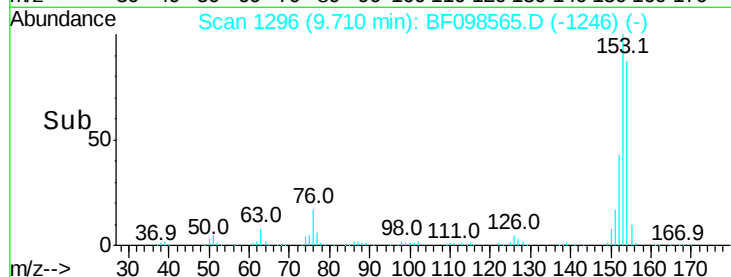
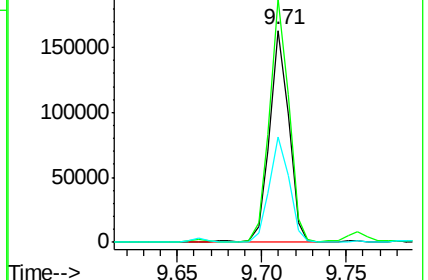
152 49.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.909 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

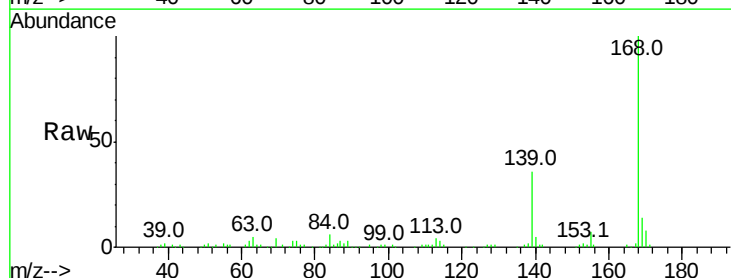
Tgt Ion:168 Resp: 94716

Ion Ratio Lower Upper

168 100

139 36.3 30.6 45.8

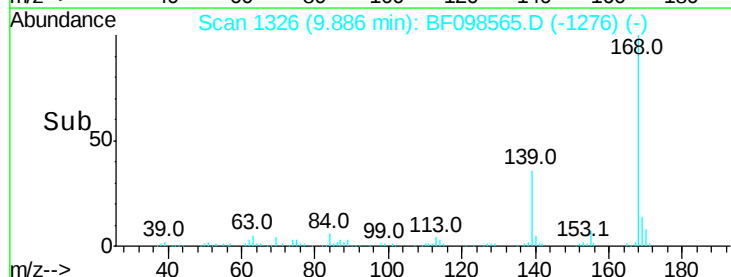
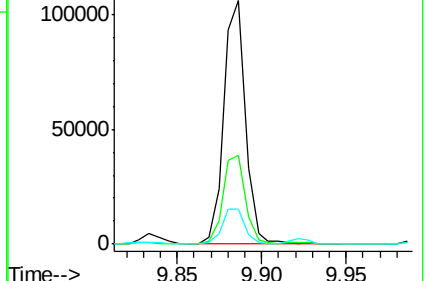
169 14.4 10.8 16.2

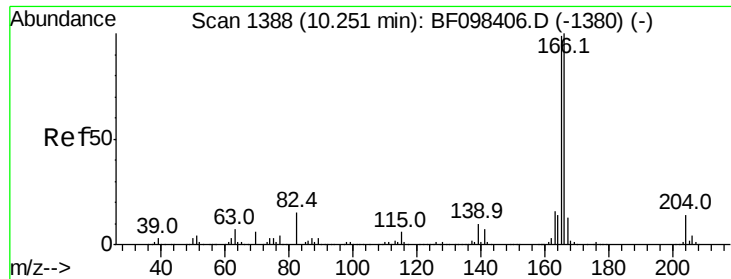


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.679 ng

RT: 10.23 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

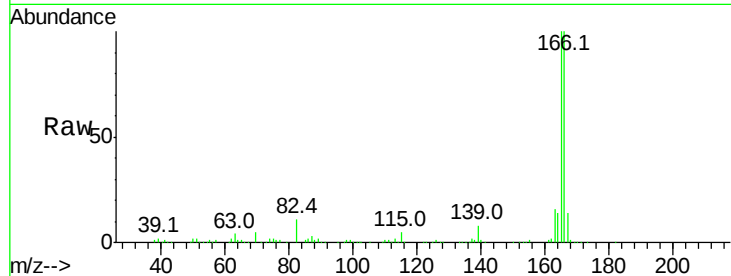
Tot Ion:166 Resp: 186499

Ion Ratio Lower Upper

166 100

165 99.7 78.8 118.2

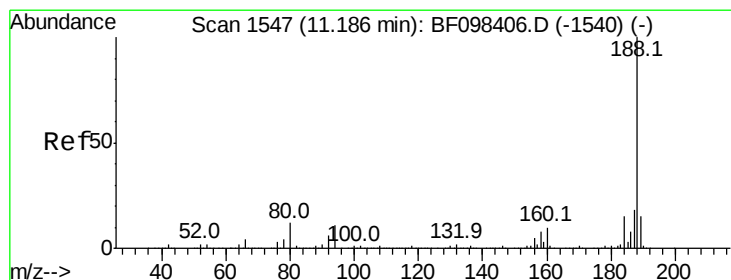
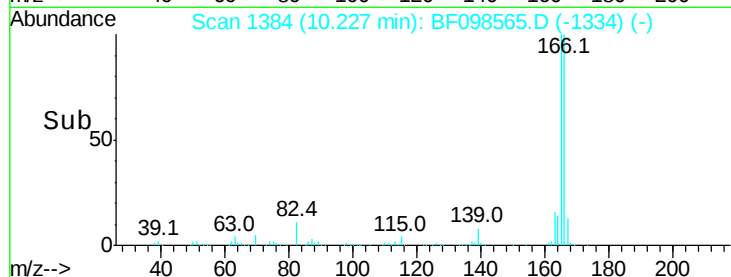
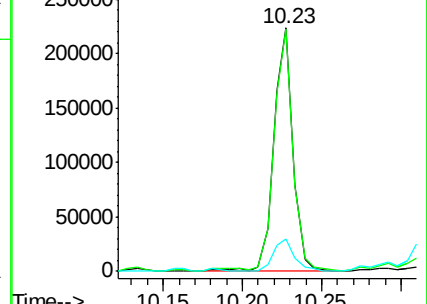
167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

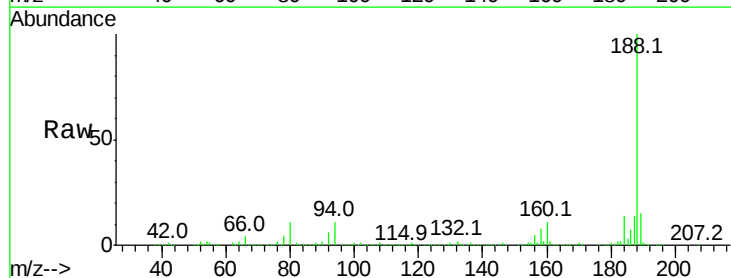
Tgt Ion:188 Resp: 394699

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

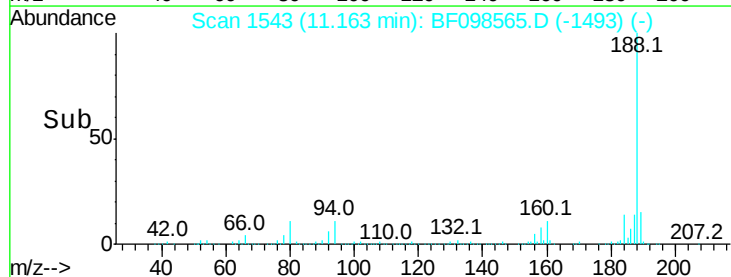
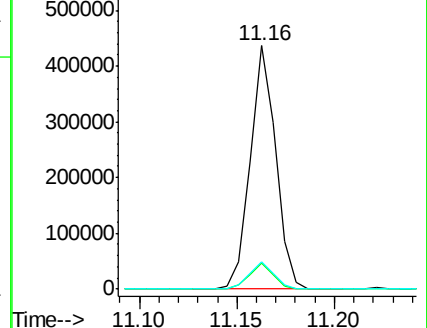
80 11.3 10.2 15.2

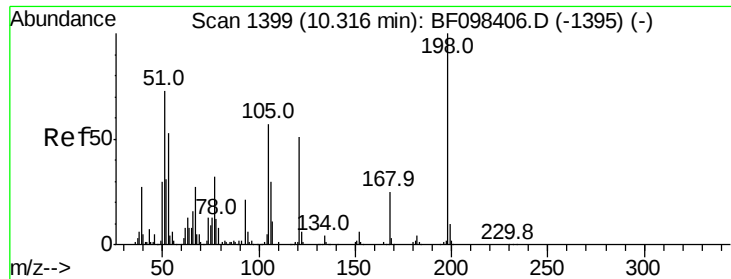


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.099 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.16 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

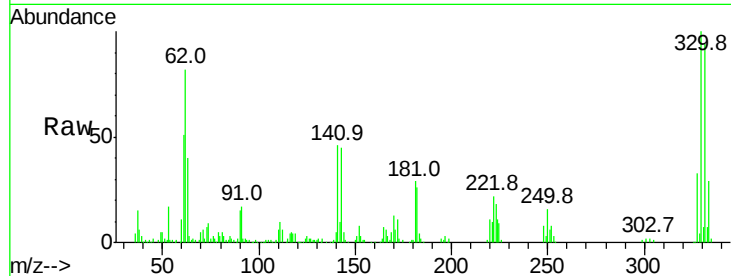
Tot Ion:198 Resp: 365

Ion Ratio Lower Upper

198 100

51 483.4 53.2 93.2#

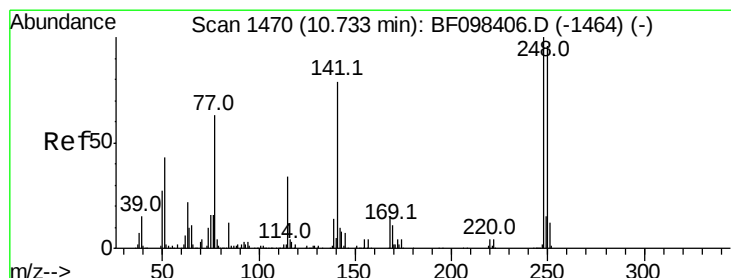
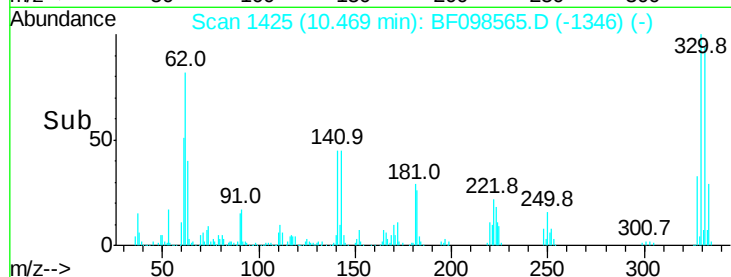
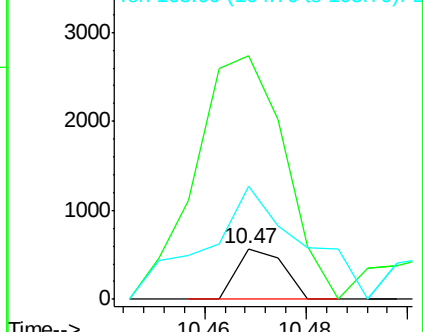
105 225.6 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.916 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.24 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

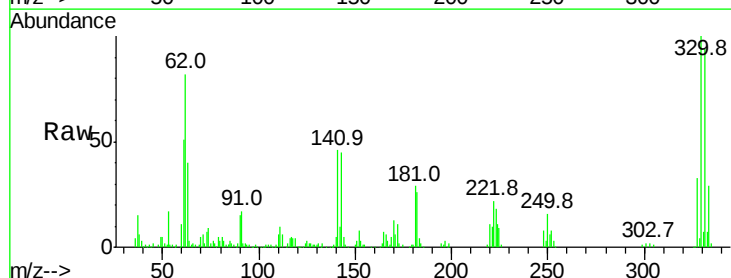
Tgt Ion:248 Resp: 10924

Ion Ratio Lower Upper

248 100

250 191.3 76.8 115.2#

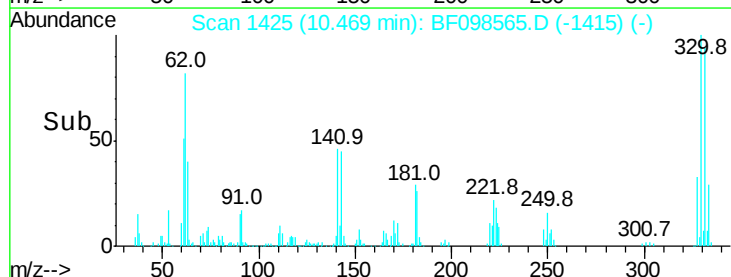
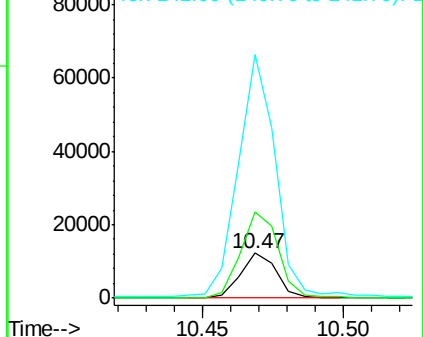
141 543.3 68.6 103.0#

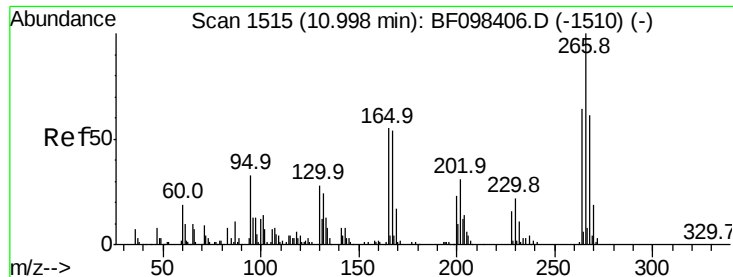


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

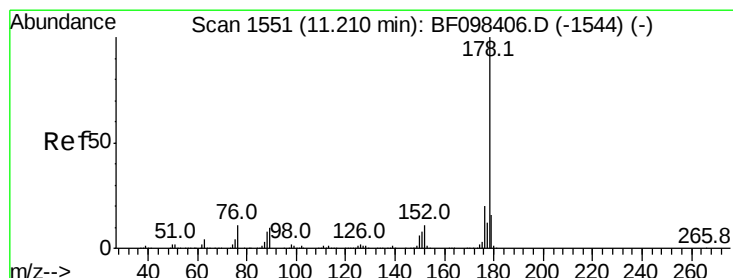
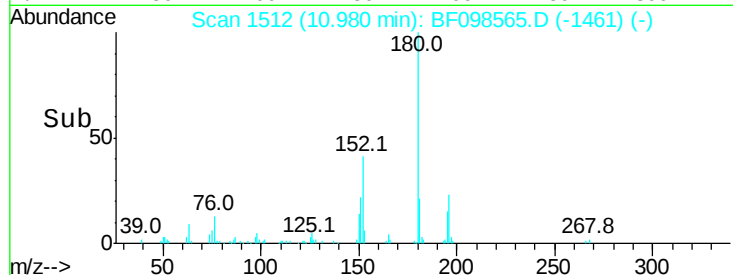
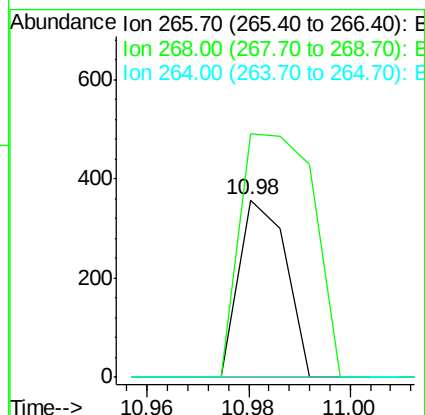
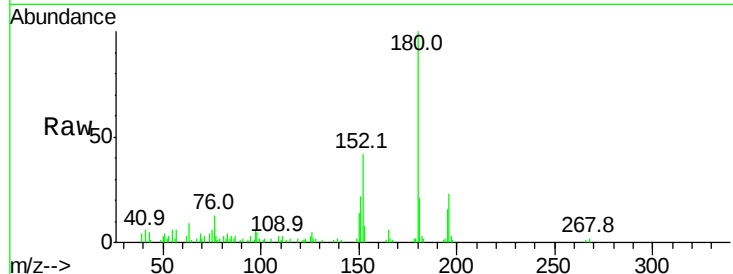




#69
 Pentachlorophenol
 Concen: 7.065 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

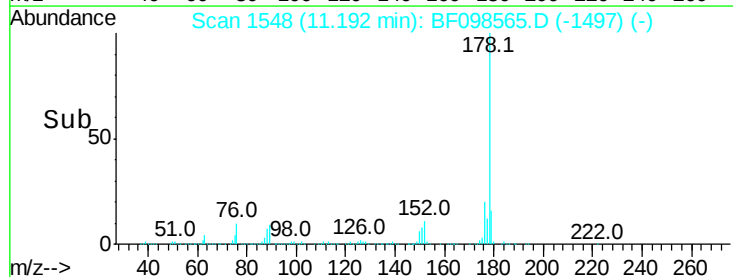
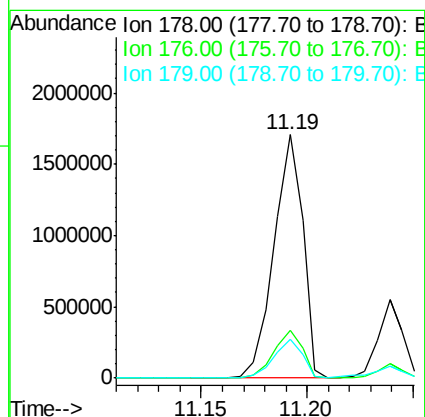
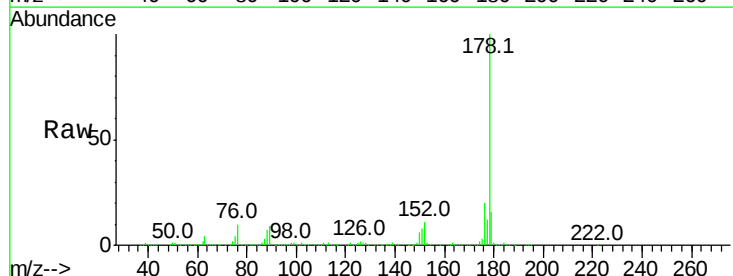
Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

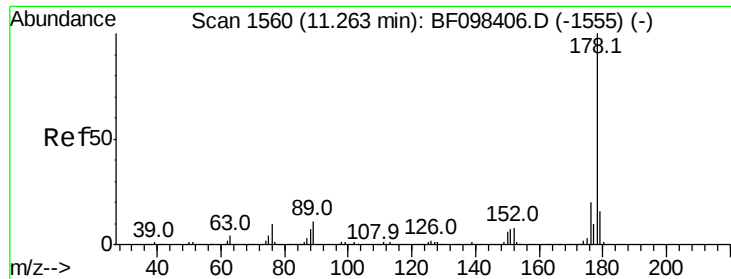
Tot Ion	Ratio	Lower	Upper
266	100		
268	137.5	51.1	76.7#
264	0.0	51.7	77.5#



#70
 Phenanthrene
 Concen: 77.885 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.8	12.6	19.0

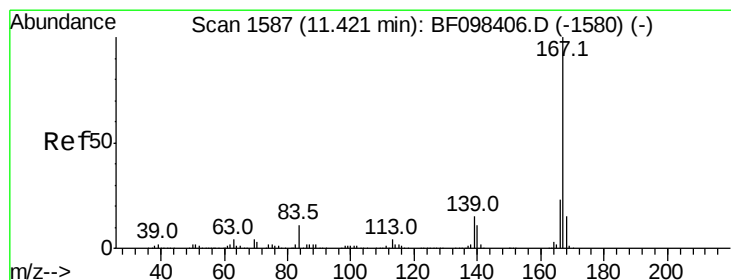
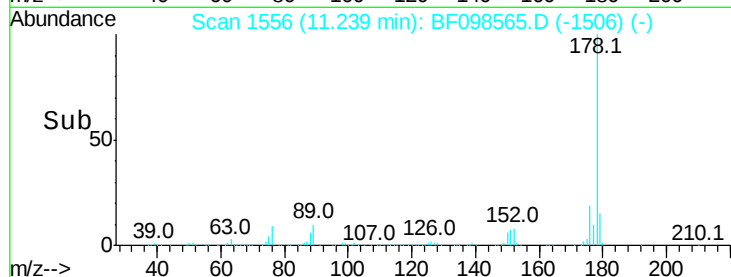
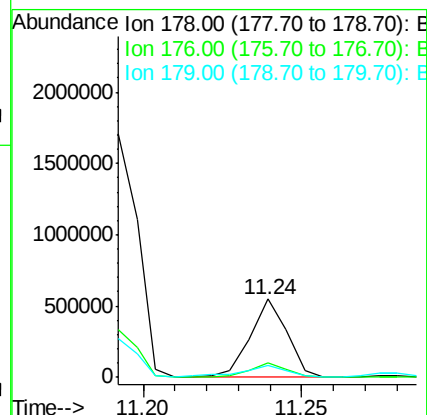
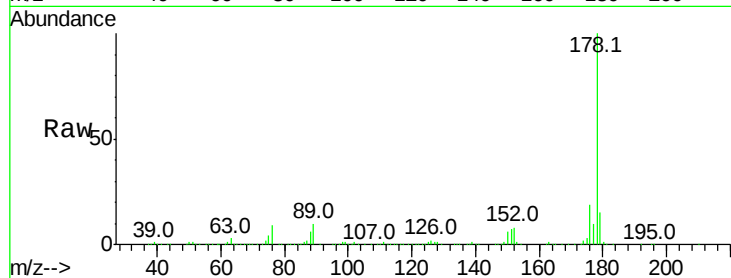




#71
 Anthracene
 Concen: 20.486 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

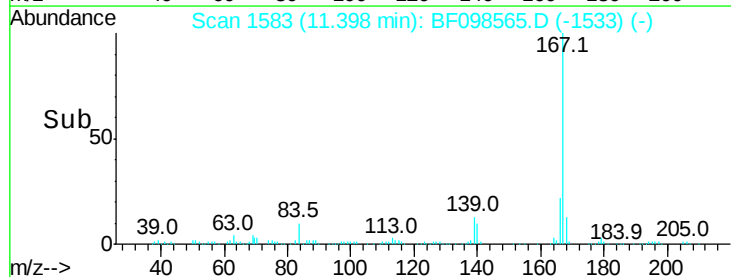
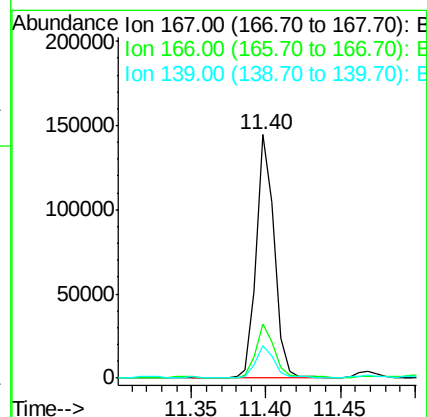
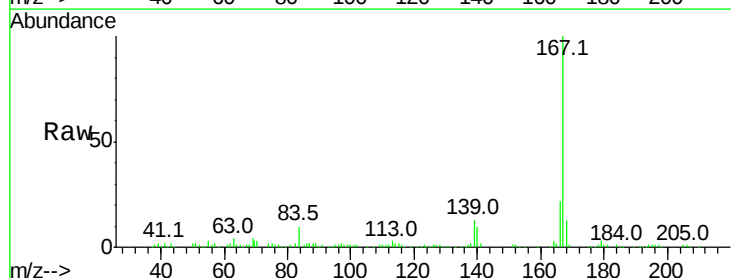
Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25

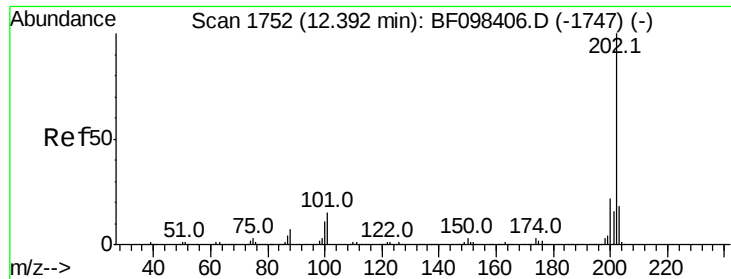
Tot Ion:178 Resp: 440087
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.2 12.7 19.1



#72
 Carbazole
 Concen: 5.989 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF098565.D
 Acq: 15 Sep 2017 13:15

Tgt Ion:167 Resp: 119902
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.1 27.1
 139 13.2 11.7 17.5

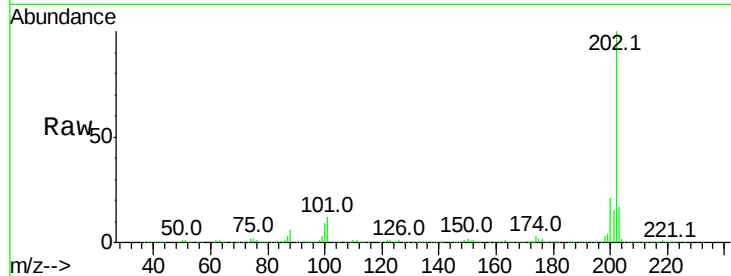




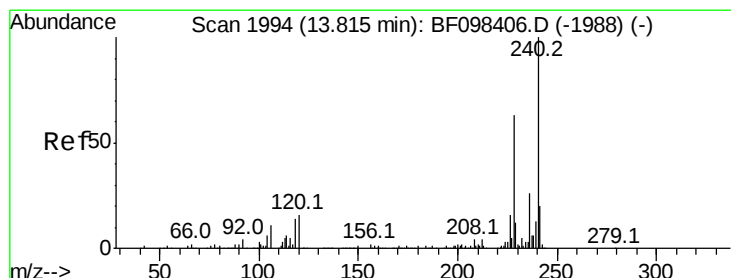
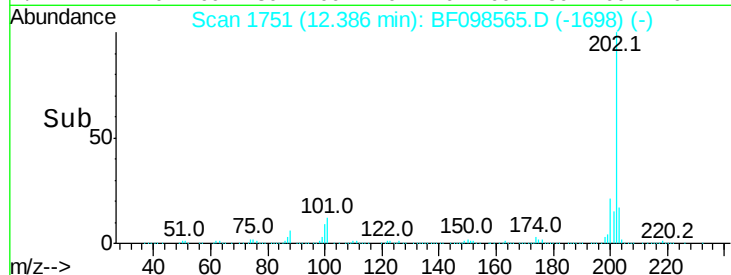
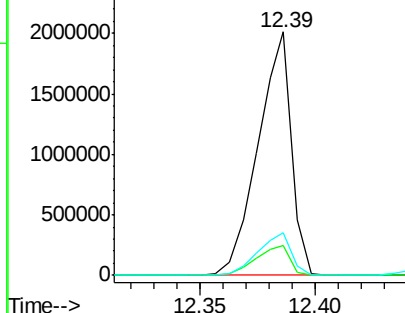
#74
Fluoranthene
Concen: 96.007 ng
RT: 12.39 min Scan# 1751
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

Tot Ion:202 Resp: 2011023
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.2
203 17.4 0.0 38.1

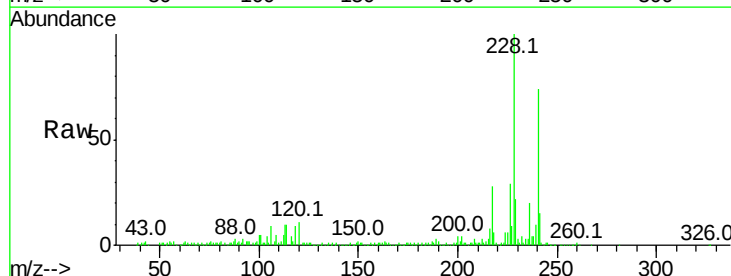


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

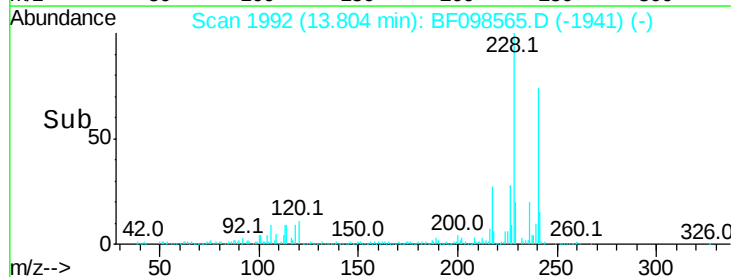
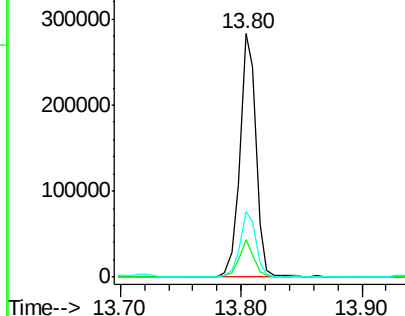


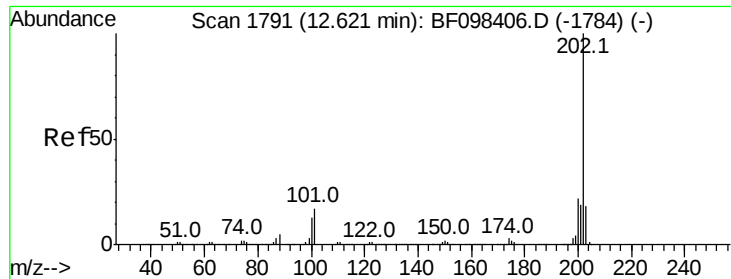
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion:240 Resp: 266303
Ion Ratio Lower Upper
240 100
120 15.3 5.8 8.8#
236 27.2 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 79.887 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

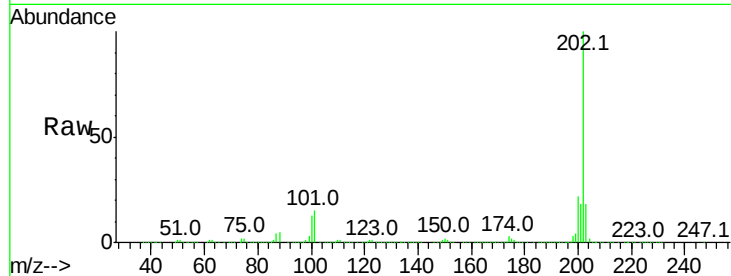
Tot Ion:202 Resp: 1678236

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

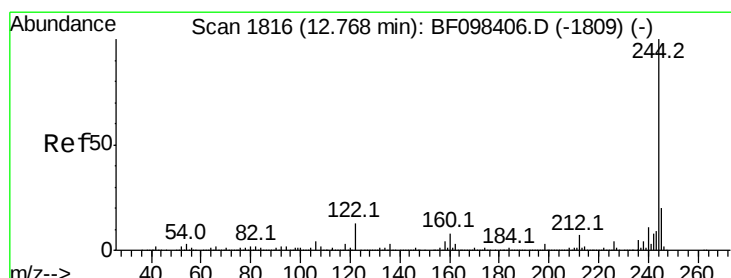
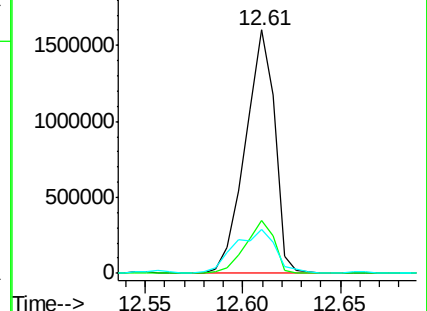
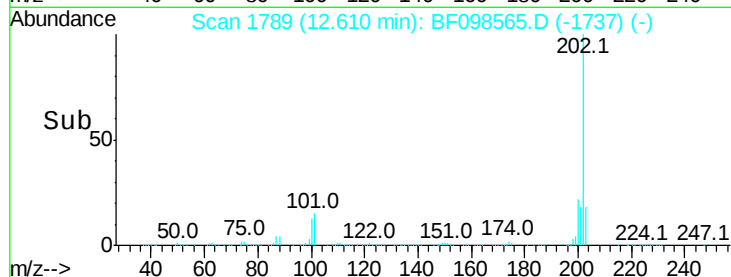
203 17.9 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 59.878 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

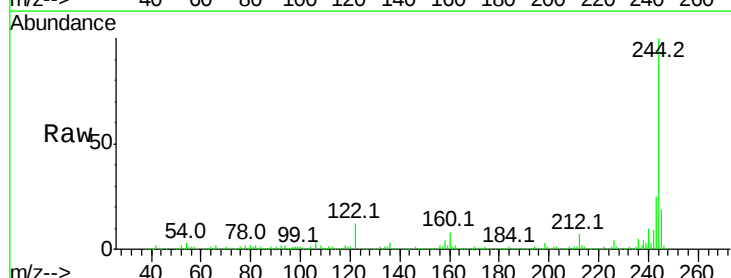
Tgt Ion:244 Resp: 738752

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

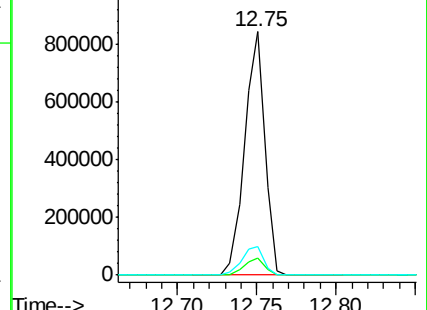
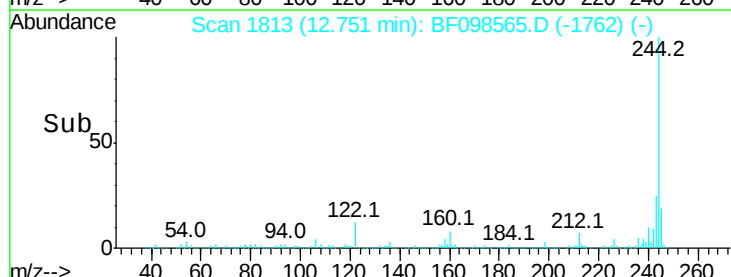
122 11.9 10.3 15.5

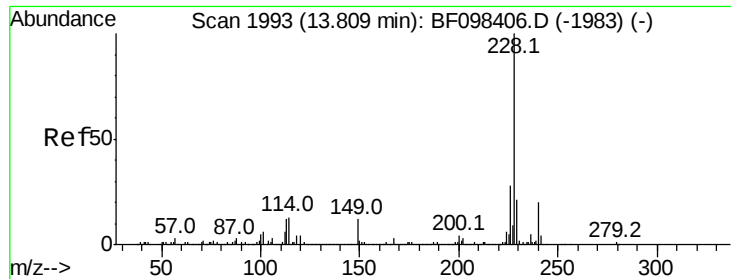


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

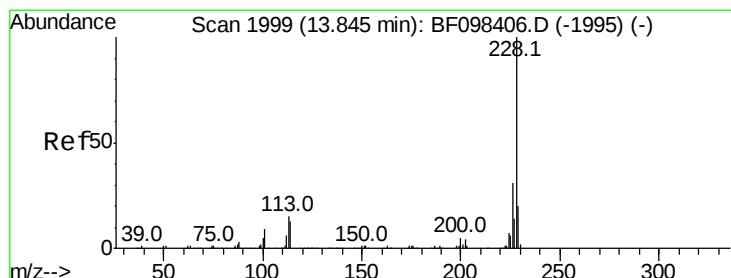
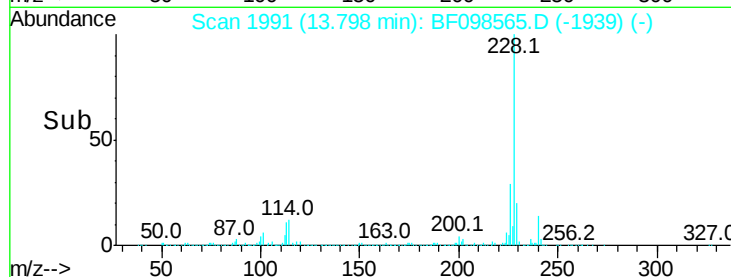
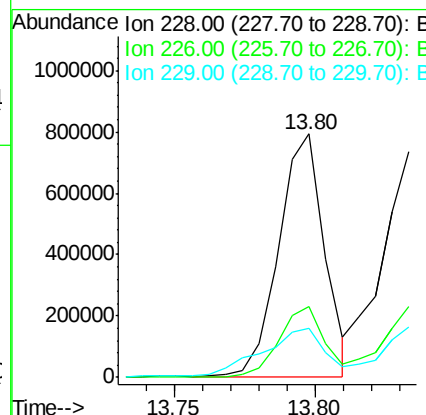
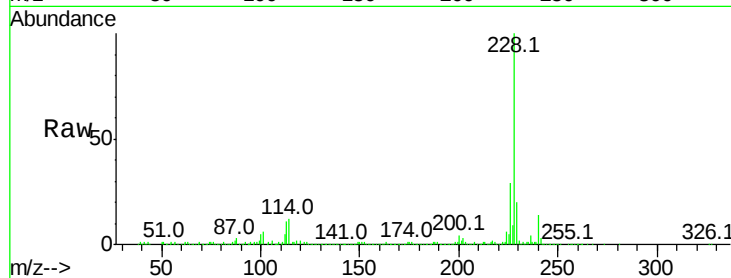




#80
Benzo(a)anthracene
Concen: 56.593 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

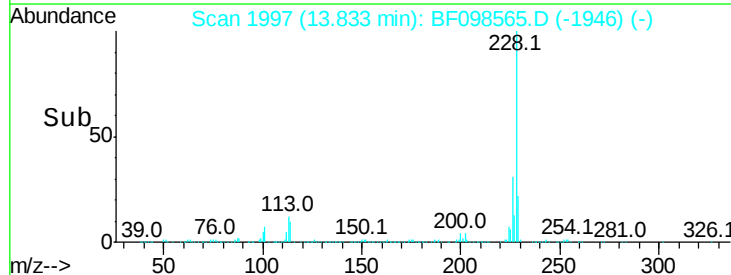
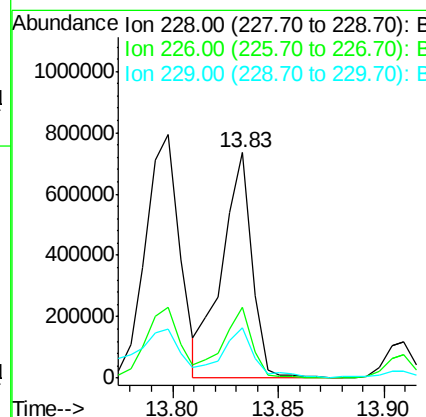
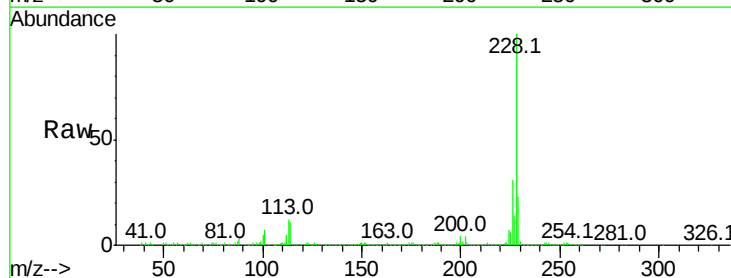
Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

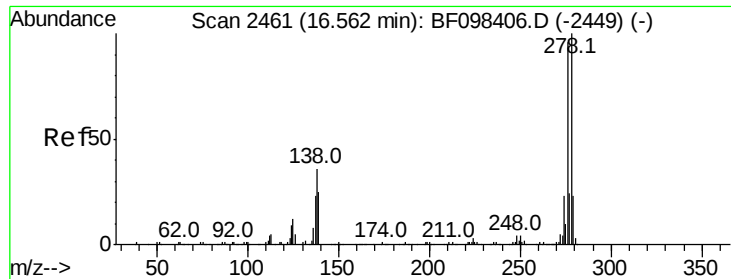
Tot Ion:228 Resp: 883579
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 20.3 16.3 24.5



#82
Chrysene
Concen: 45.440 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion:228 Resp: 717133
Ion Ratio Lower Upper
228 100
226 31.2 24.9 37.3
229 22.6 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 30.808 ng

RT: 16.55 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

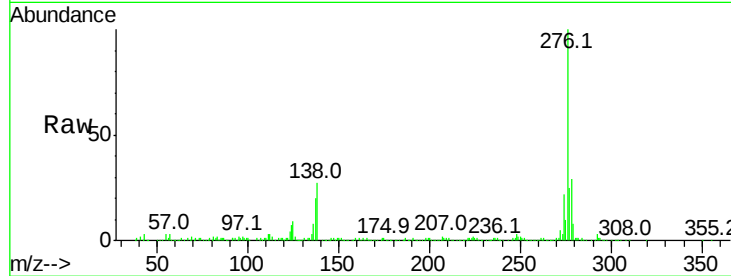
Tot Ion:276 Resp: 341118

Ion Ratio Lower Upper

276 100

138 26.2 27.8 41.6#

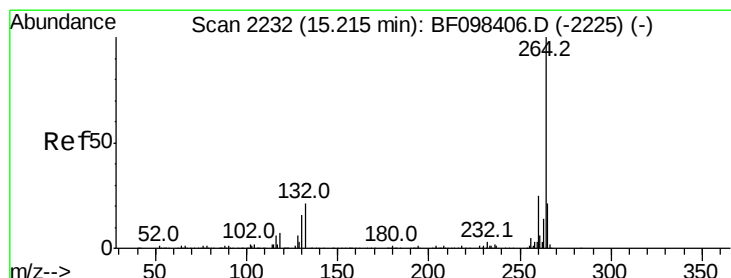
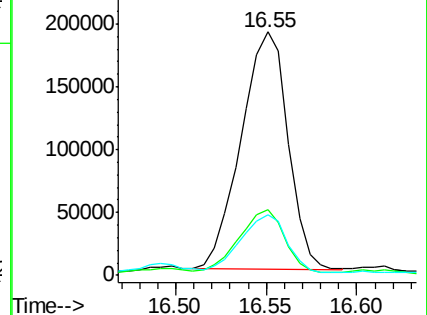
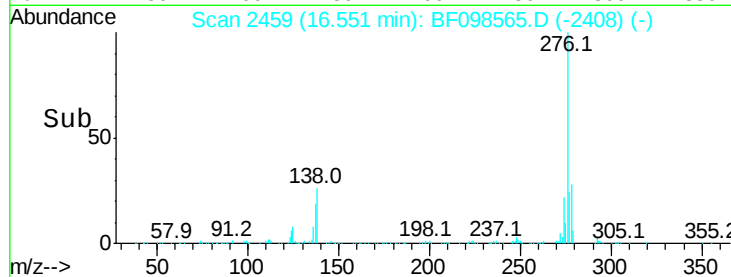
277 24.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

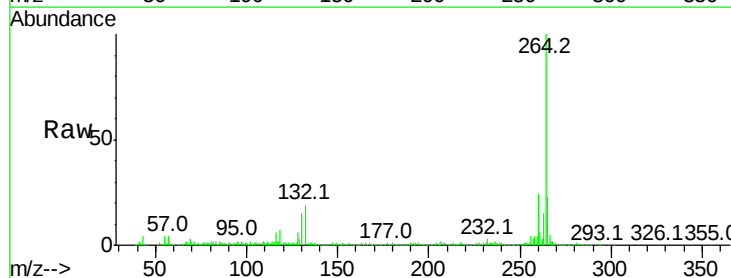
Tgt Ion:264 Resp: 290179

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

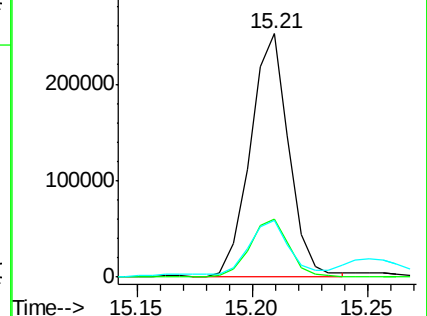
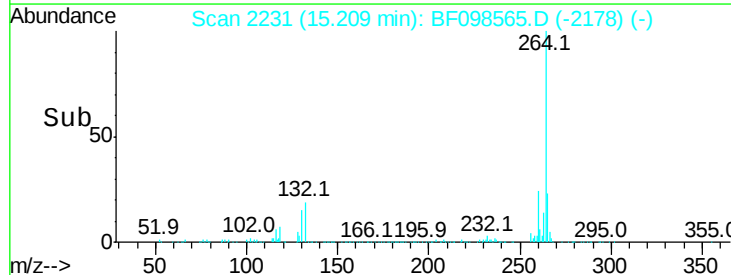
265 23.2 17.2 25.8

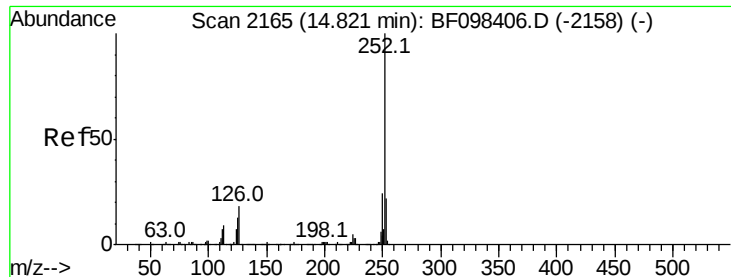


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

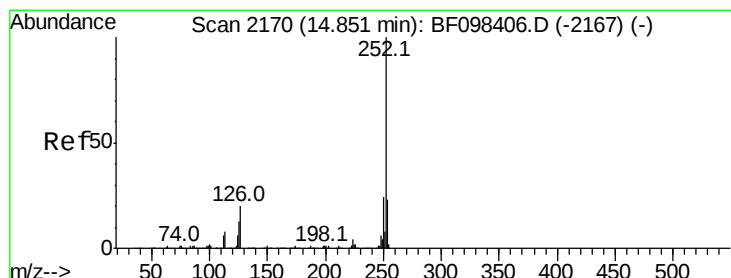
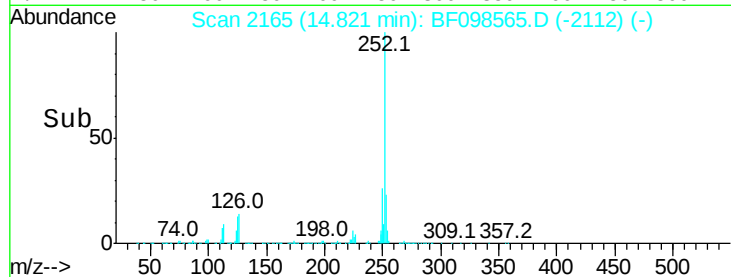
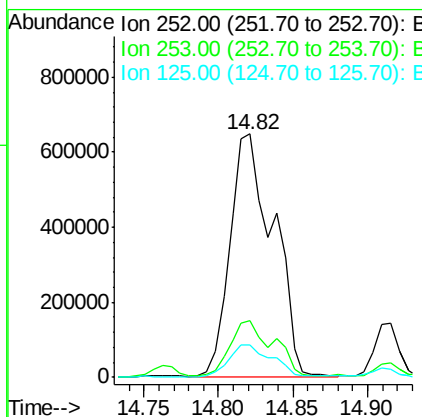
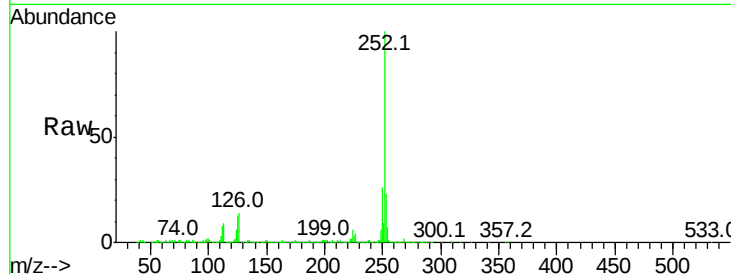




#87
Benzo(b)fluoranthene
Concen: 71.822 ng
RT: 14.82 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

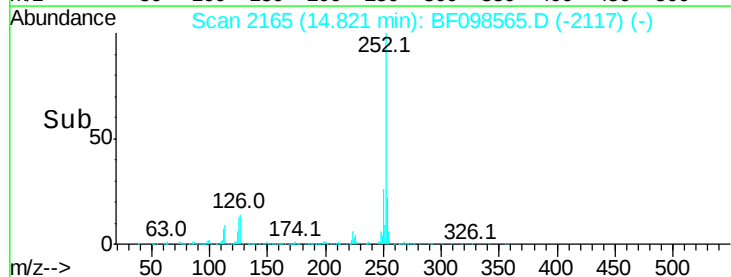
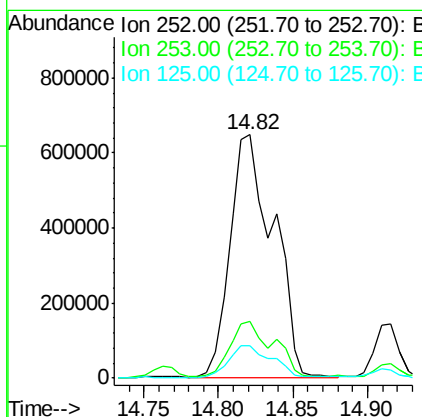
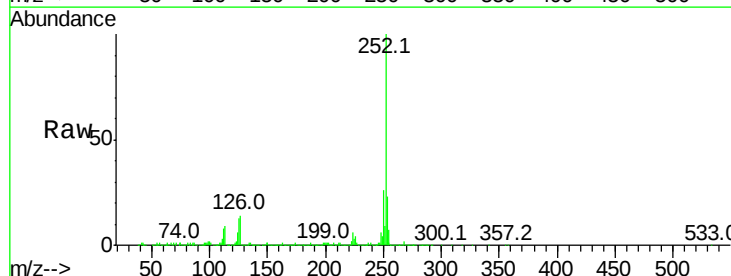
Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25

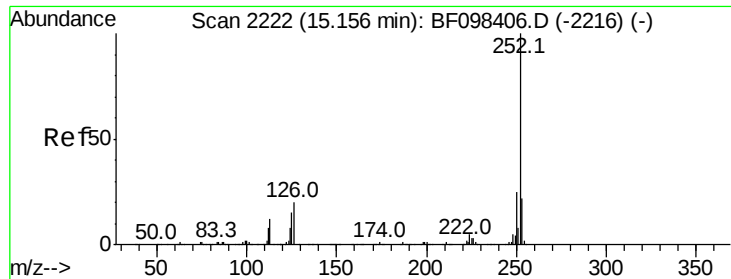
Tot Ion:252 Resp: 1310435
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 13.1 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 76.933 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.02 min
Lab File: BF098565.D
Acq: 15 Sep 2017 13:15

Tgt Ion:252 Resp: 1310435
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 13.1 13.1 19.7





#89

Benzo(a)pyrene

Concen: 42.361 ng

RT: 15.16 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

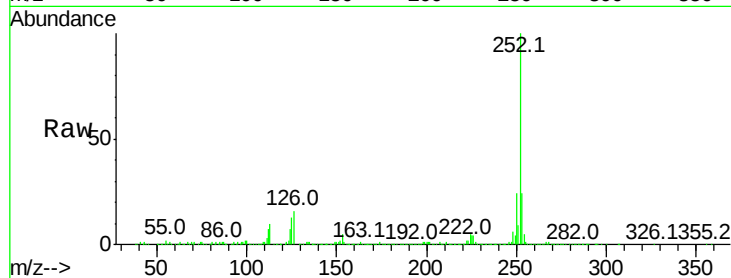
Tot Ion:252 Resp: 688584

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

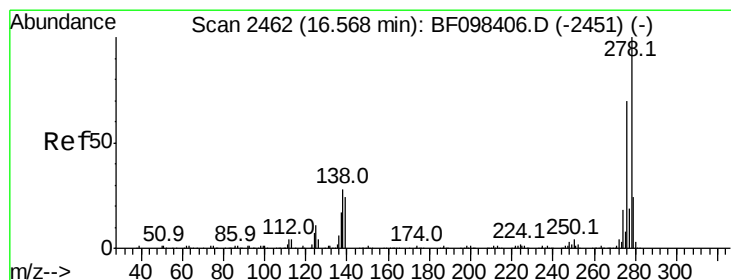
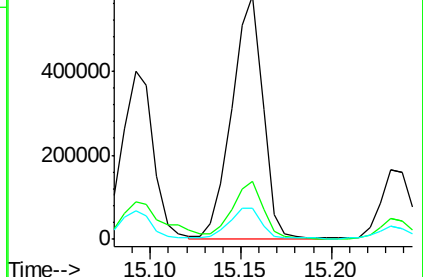
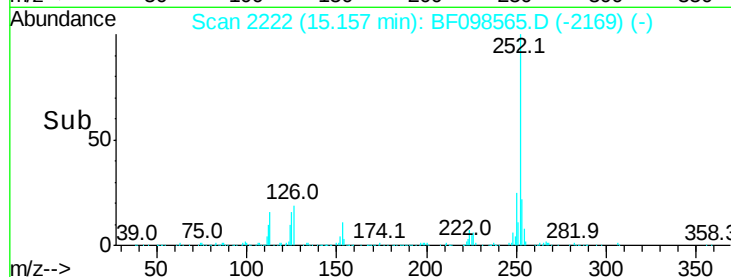
125 12.9 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 6.109 ng

RT: 16.70 min Scan# 2484

Delta R.T. 0.14 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

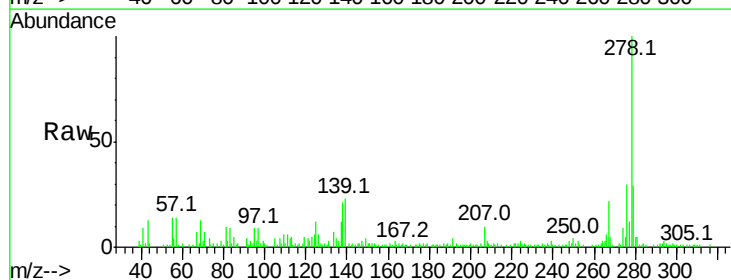
Tgt Ion:278 Resp: 72233

Ion Ratio Lower Upper

278 100

139 22.6 16.6 24.8

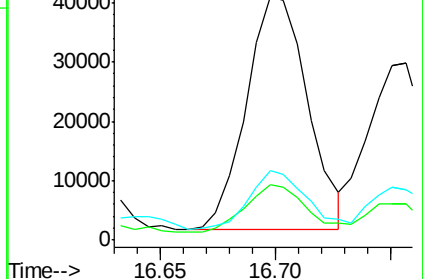
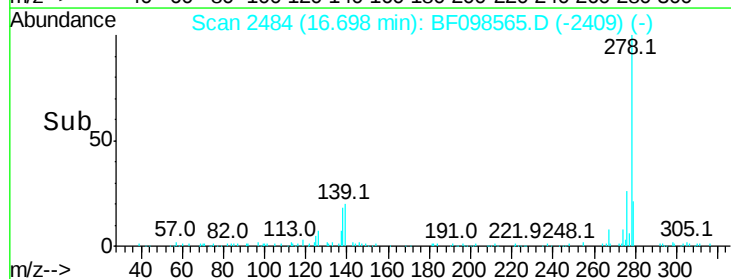
279 28.5 19.3 28.9

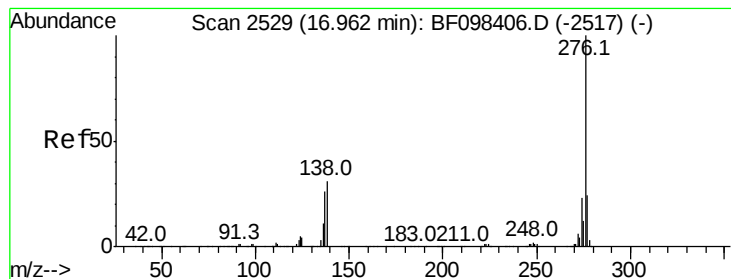


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 26.938 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.01 min

Lab File: BF098565.D

Acq: 15 Sep 2017 13:15

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25

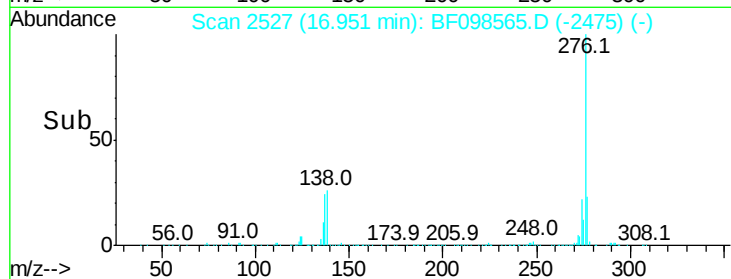
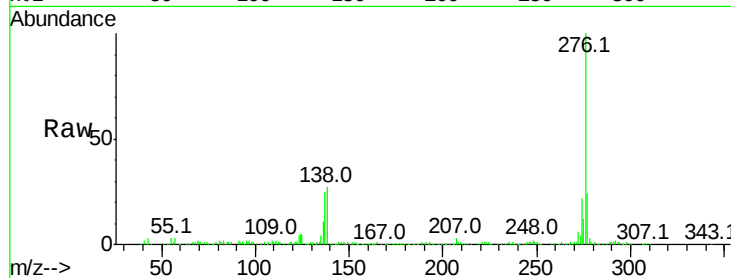
Tot Ion:276 Resp: 320378

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 27.1 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

16.95

150000

100000

50000

0

Time--> 16.80 16.90 17.00