

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098571.D
 Acq On : 15 Sep 2017 16:01
 Operator : SJ/JU
 Sample : I5188-09DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Sep 15 16:26:41 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	122032	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	477919	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	182582	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	283669	20.00	ng	0.00
75) Chrysene-d12	13.80	240	253446	20.00	ng	0.00
86) Perylene-d12	15.20	264	239986	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	146254	17.72	ng	0.00
7) Phenol-d6	6.30	99	191796	18.30	ng	0.00
23) Nitrobenzene-d5	7.21	82	114116	13.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	20487	16.81	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	202769	18.82	ng	0.00
78) Terphenyl-d14	12.75	244	133978	11.41	ng	0.00

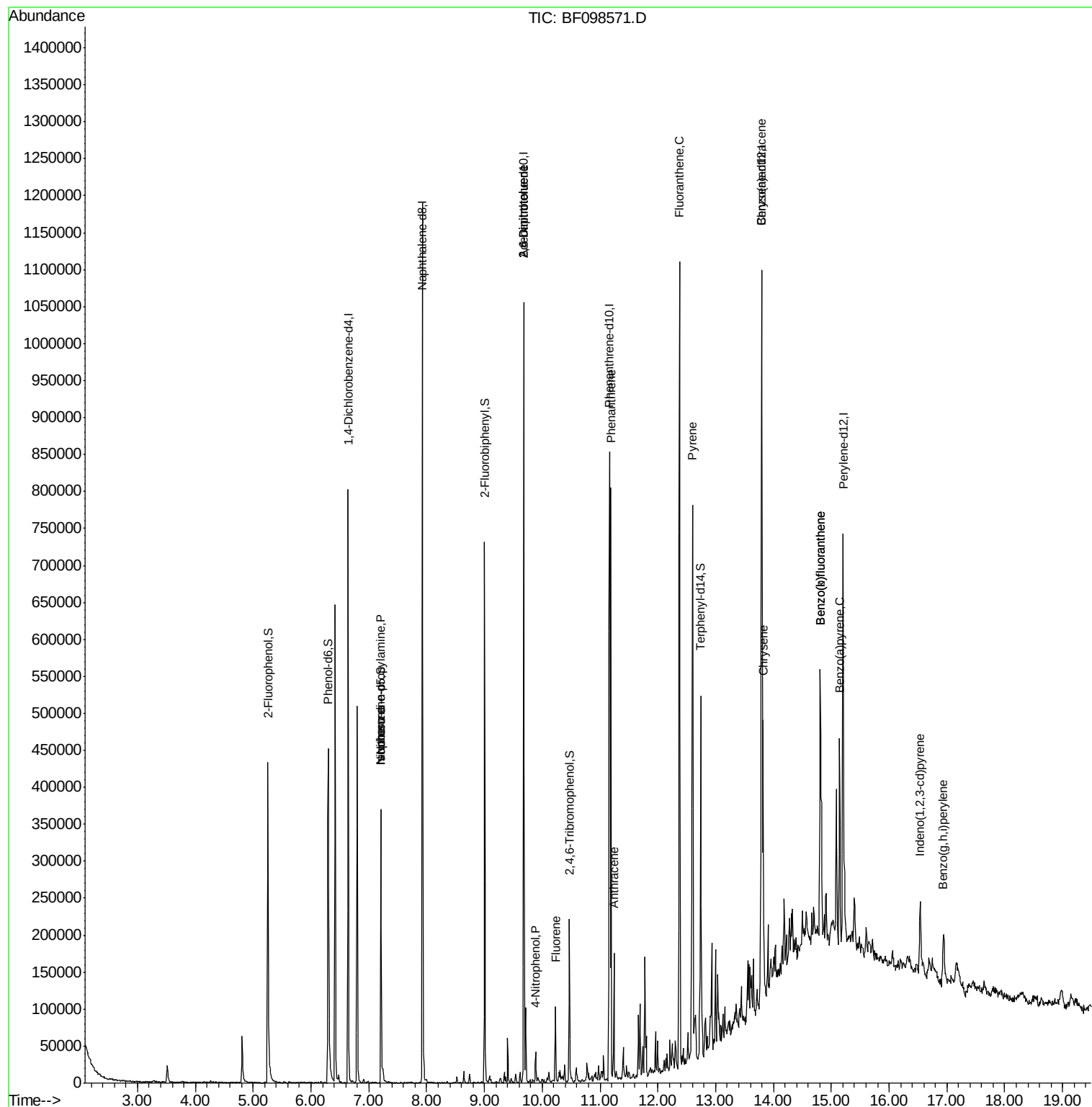
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.21	70	14812	2.247	ng	# 79
25) Isophorone	7.21	82	114116	6.579	ng	# 67
50) 2,6-Dinitrotoluene	9.68	165	23653	8.147	ng	# 34
55) 4-Nitrophenol	9.89	139	5089	2.528	ng	# 25
56) 2,4-Dinitrotoluene	9.68	165	23653	6.702	ng	# 33
57) Fluorene	10.23	166	26801	2.228	ng	98
70) Phenanthrene	11.19	178	272562	18.125	ng	97
71) Anthracene	11.24	178	67316	4.360	ng	99
74) Fluoranthene	12.37	202	391175	25.984	ng	98
77) Pyrene	12.60	202	322086	16.110	ng	100
80) Benzo(a)anthracene	13.79	228	178926	12.042	ng	98
82) Chrysene	13.82	228	141637	9.430	ng	96
85) Indeno(1,2,3-cd)pyrene	16.54	276	52405	4.973	ng	93
87) Benzo(b)fluoranthene	14.81	252	247860	16.426	ng	97
88) Benzo(k)fluoranthene	14.81	252	247860	17.595	ng	95
89) Benzo(a)pyrene	15.14	252	121588	9.045	ng	97
91) Benzo(a,h,i)perylene	16.94	276	48236	4.904	ng	# 91

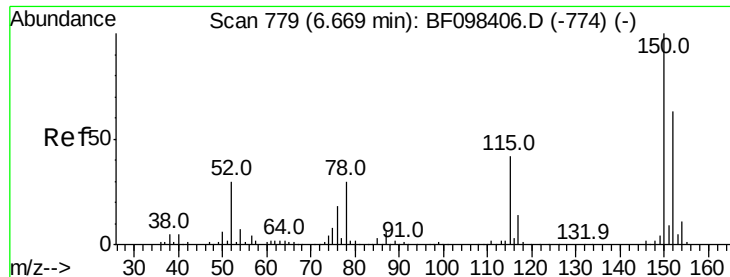
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091517\
Data File : BF098571.D
Acq On : 15 Sep 2017 16:01
Operator : SJ/JU
Sample : I5188-09DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Sep 15 16:26:41 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



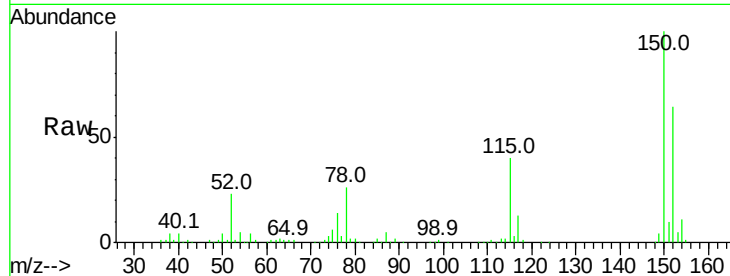


#1

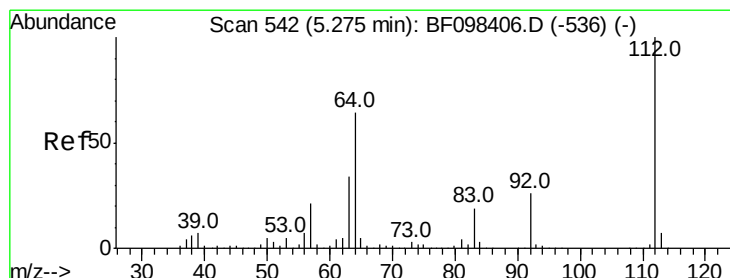
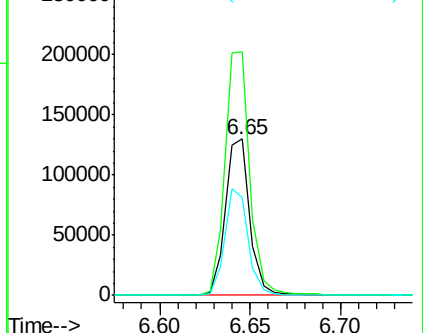
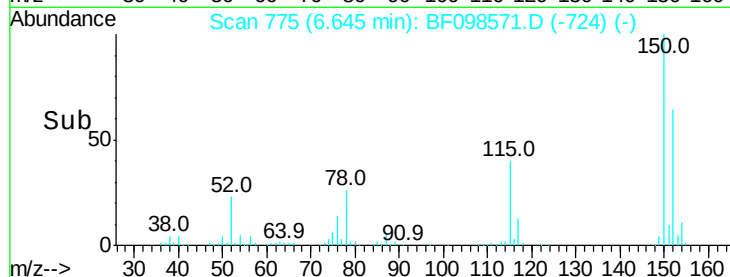
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

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

Tot Ion:152 Resp: 122032
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.2 189.2
 115 62.7 52.2 78.2



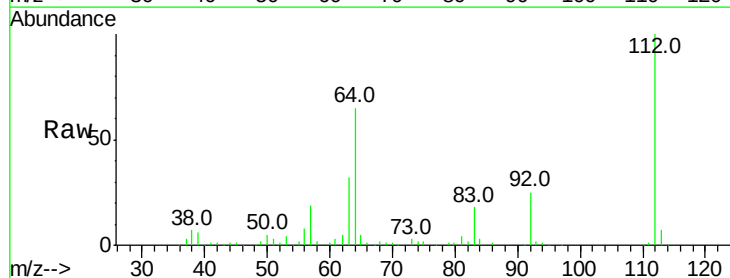
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



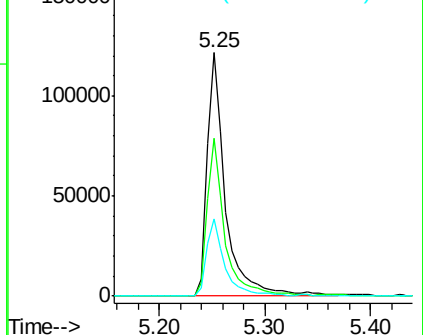
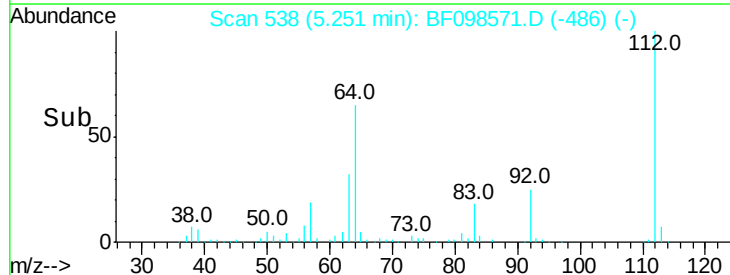
#5

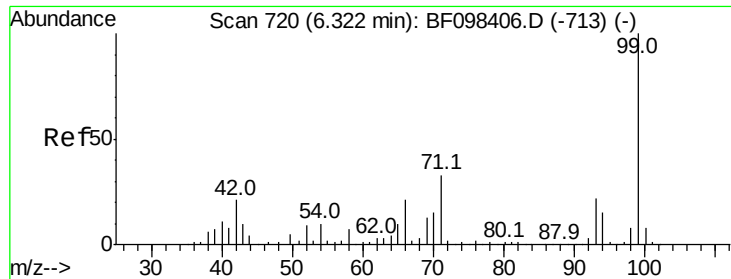
2-Fluorophenol
 Concen: 17.720 ng
 RT: 5.25 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion:112 Resp: 146254
 Ion Ratio Lower Upper
 112 100
 64 65.0 46.0 69.0
 63 31.5 23.4 35.0



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





#7

Phenol-d6

Concen: 18.302 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

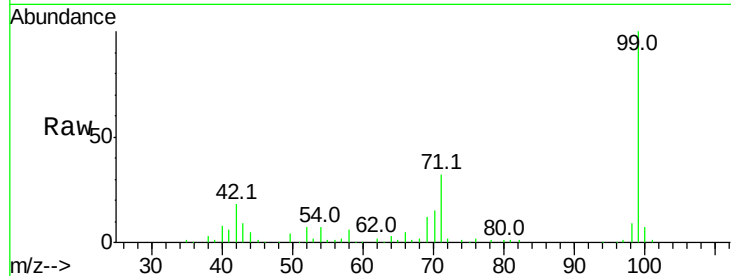
Tot Ion: 99 Resp: 191796

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

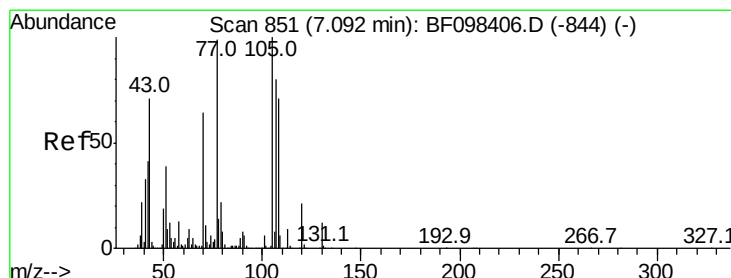
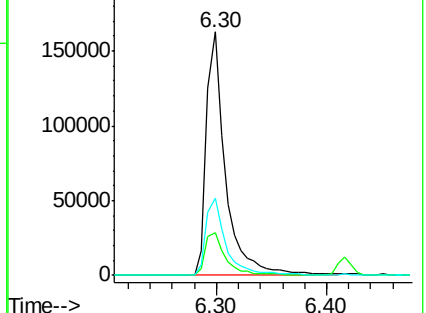
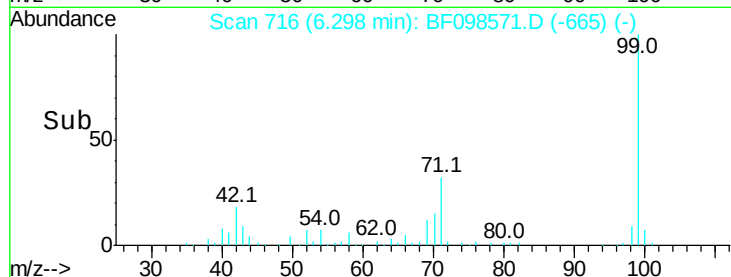
71 31.8 24.5 36.7



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: 2.247 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.14 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Tgt Ion: 70 Resp: 14812

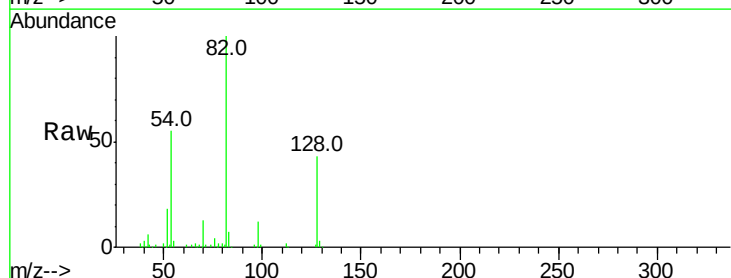
Ion Ratio Lower Upper

70 100

42 47.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

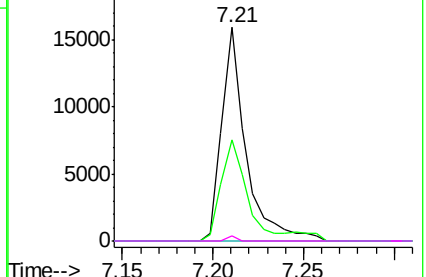
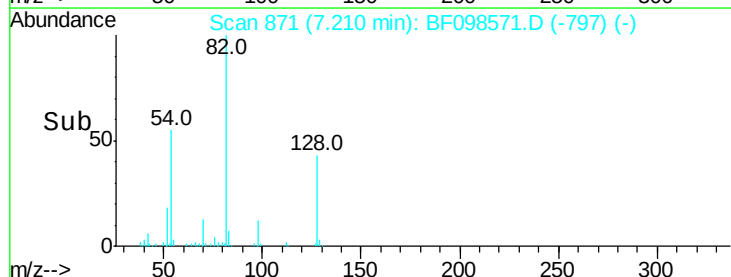


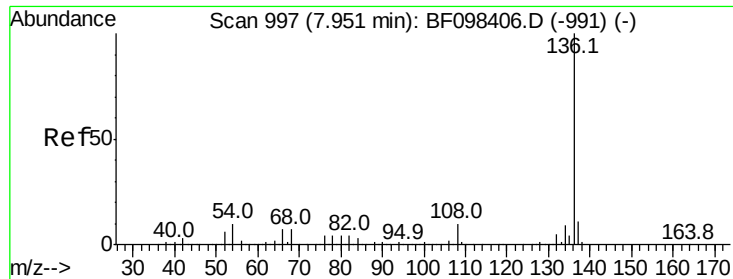
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

Tot Ion:136 Resp: 477919

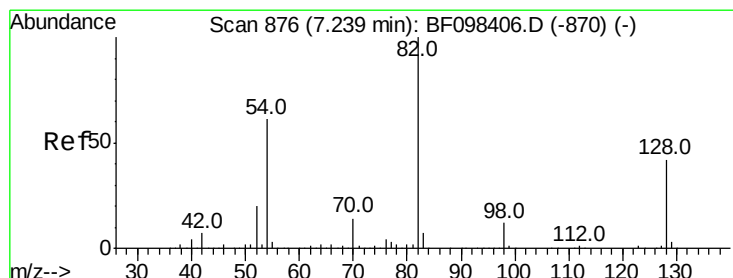
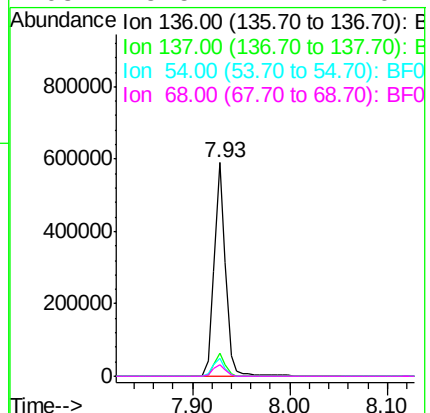
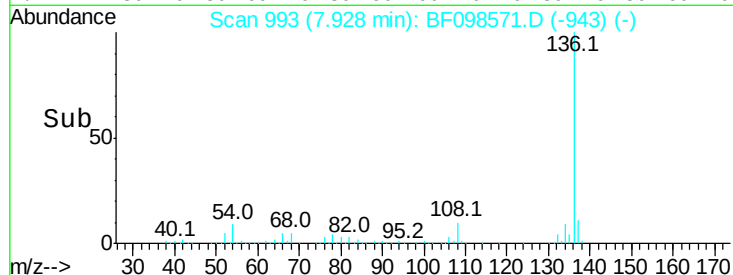
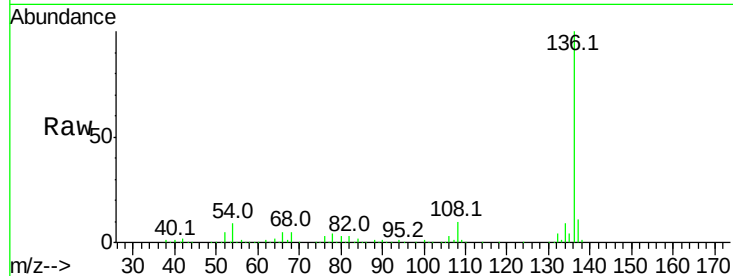
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.6 4.9 7.3#

68 5.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 13.312 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

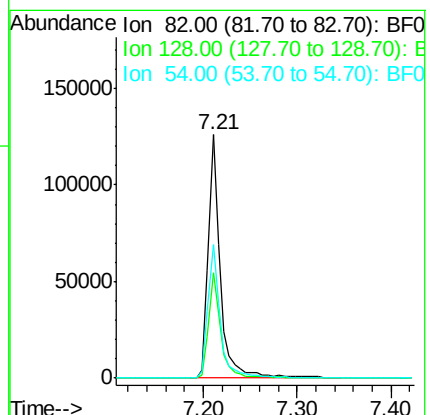
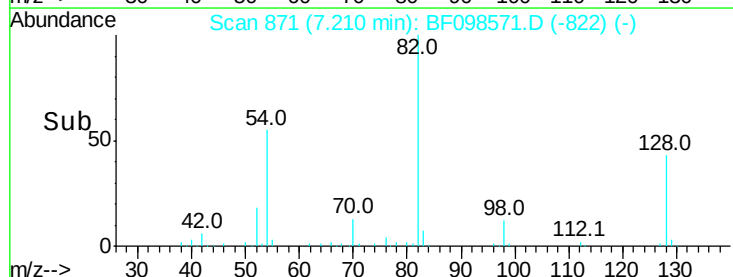
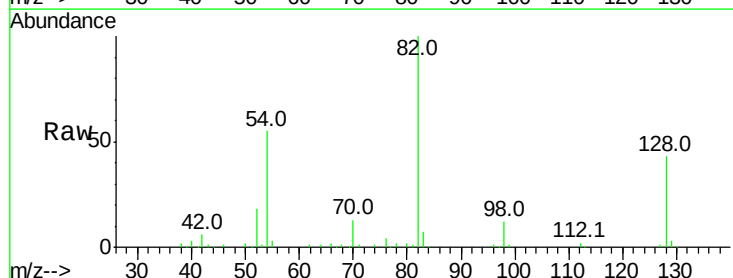
Tgt Ion: 82 Resp: 114116

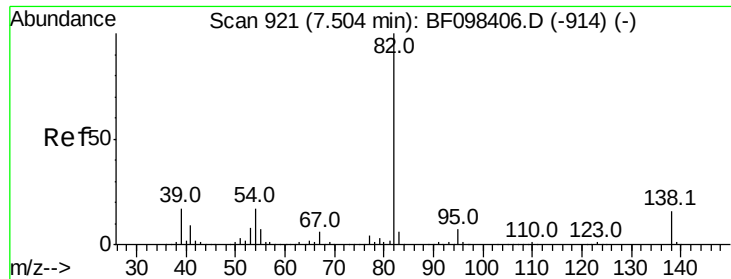
Ion Ratio Lower Upper

82 100

128 43.4 34.0 51.0

54 54.9 42.2 63.2





#25

Isophorone

Concen: 6.579 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

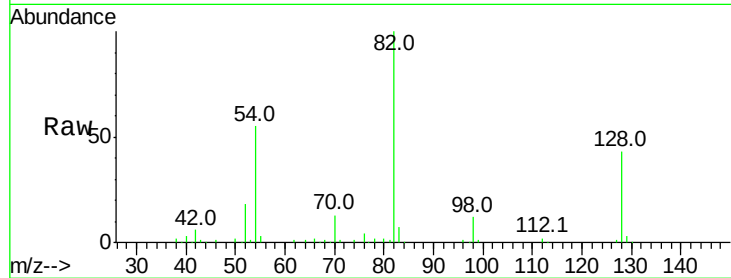
Tot Ion: 82 Resp: 114116

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

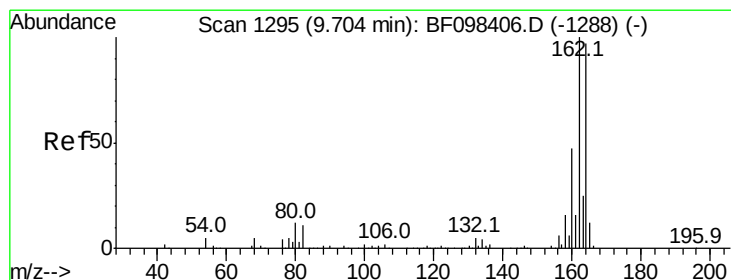
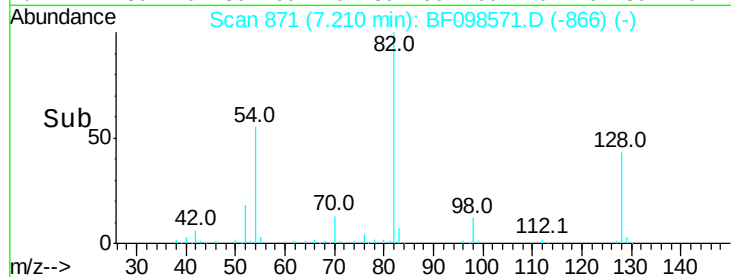
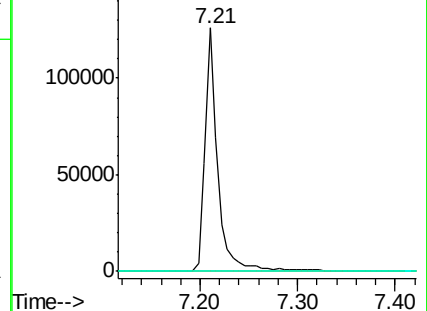
138 0.0 13.1 19.7#



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. 0.00 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

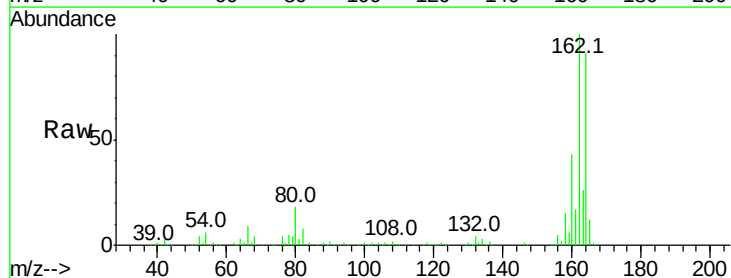
Tgt Ion:164 Resp: 182582

Ion Ratio Lower Upper

164 100

162 109.8 82.6 123.8

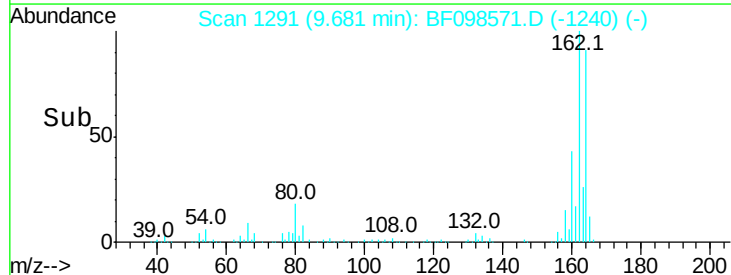
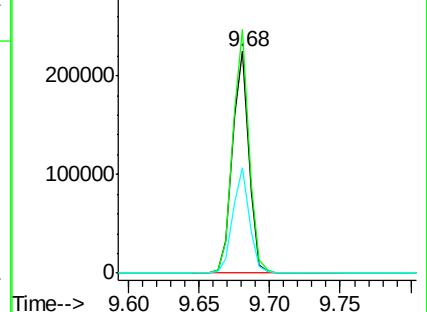
160 47.7 36.2 54.2

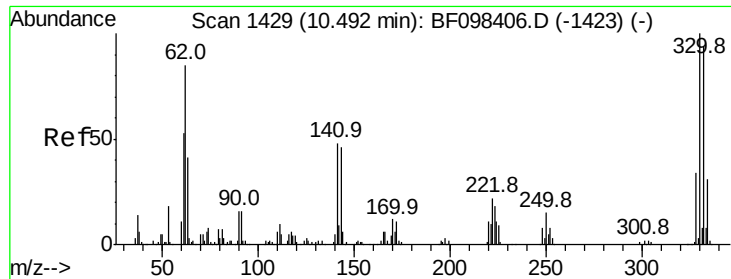


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

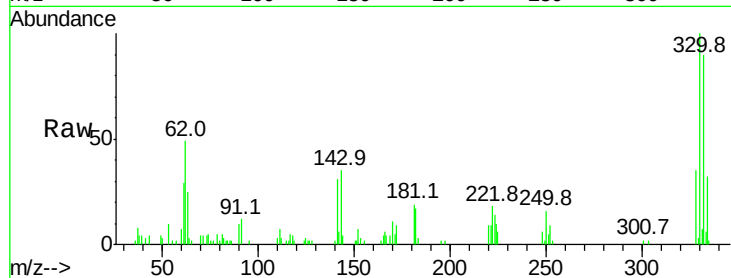




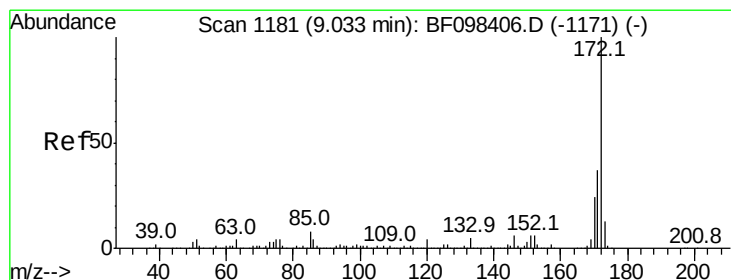
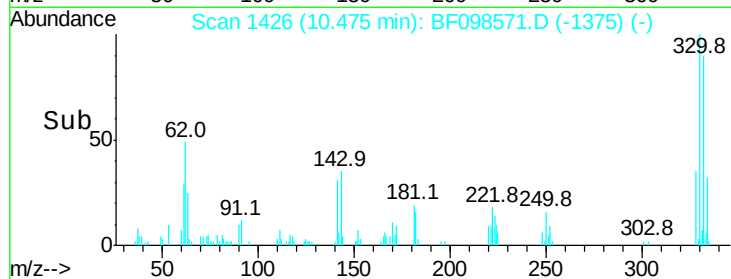
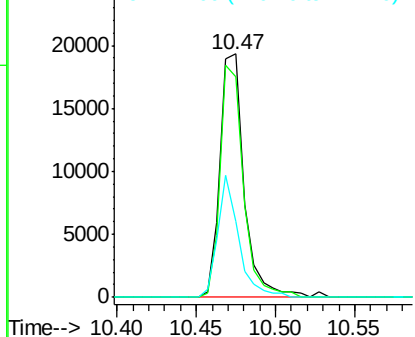
#41
 2,4,6-Tribromophenol
 Concen: 16.812 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

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

Tot Ion:330 Resp: 20487
 Ion Ratio Lower Upper
 330 100
 332 91.5 76.6 115.0
 141 43.5 31.4 47.2

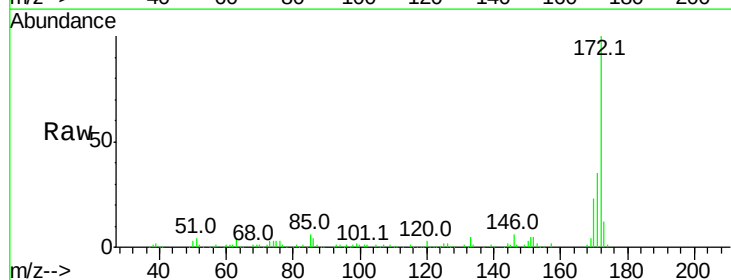


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

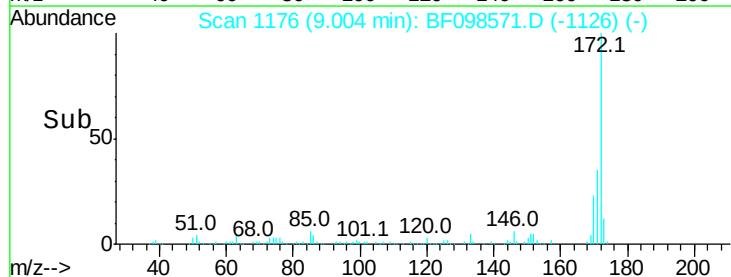
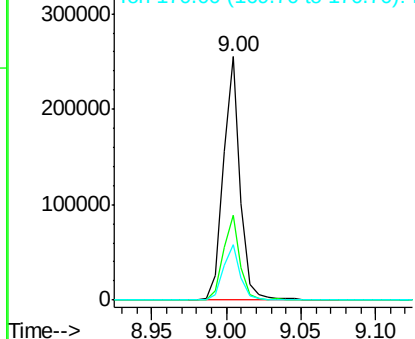


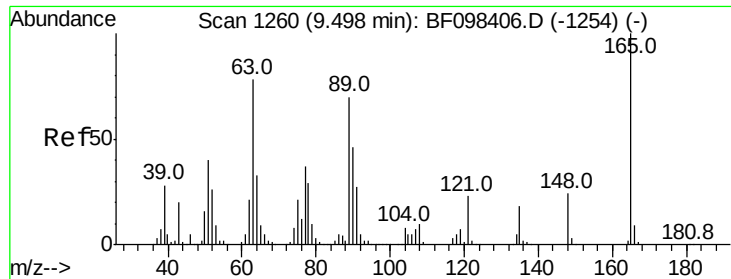
#44
 2-Fluorobiphenyl
 Concen: 18.823 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion:172 Resp: 202769
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.9 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





#50

2,6-Dinitrotoluene

Concen: 8.147 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.19 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

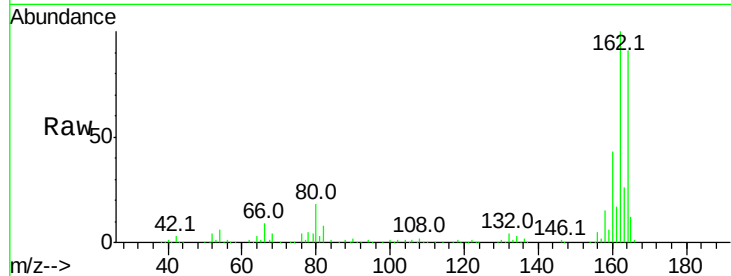
Tot Ion:165 Resp: 23653

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

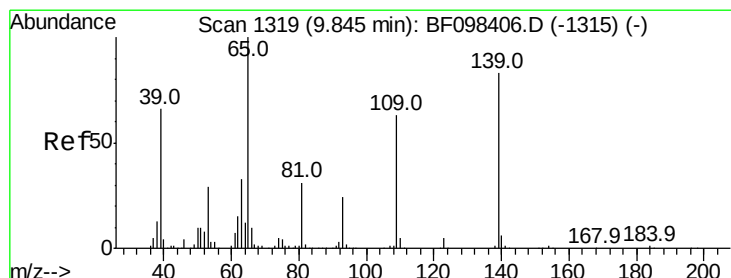
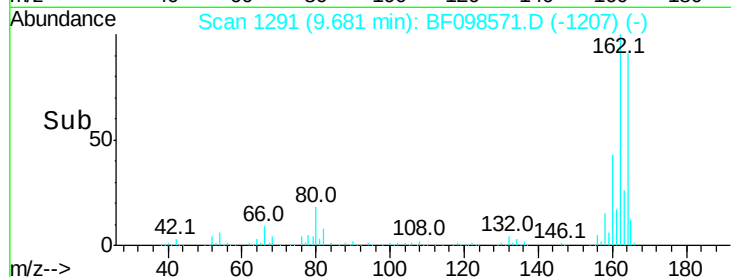
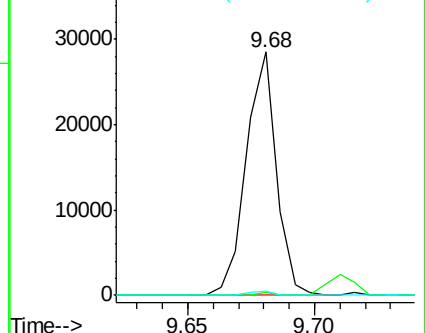
89 1.5 37.1 55.7#



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



#55

4-Nitrophenol

Concen: 2.528 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.05 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

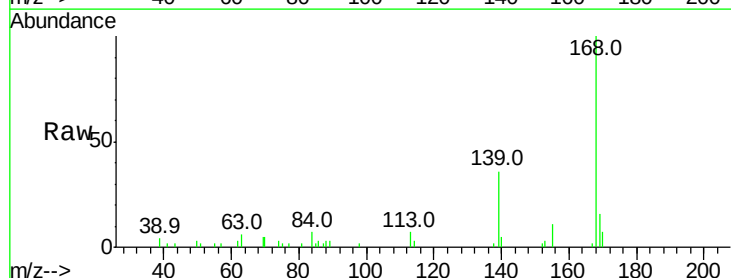
Tgt Ion:139 Resp: 5089

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

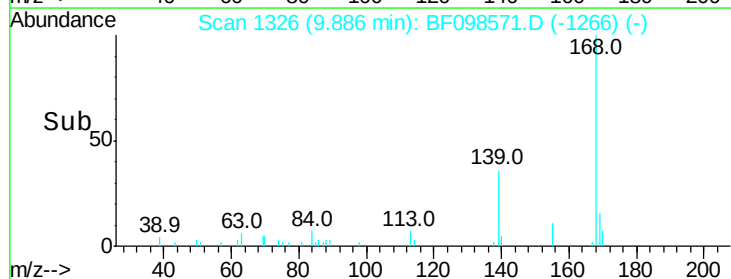
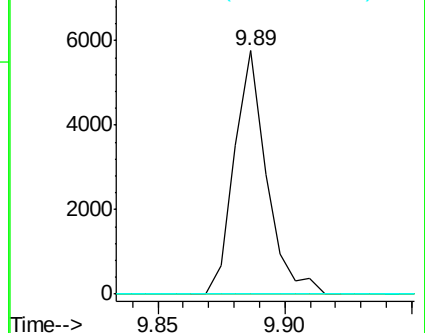
65 0.0 31.4 71.4#

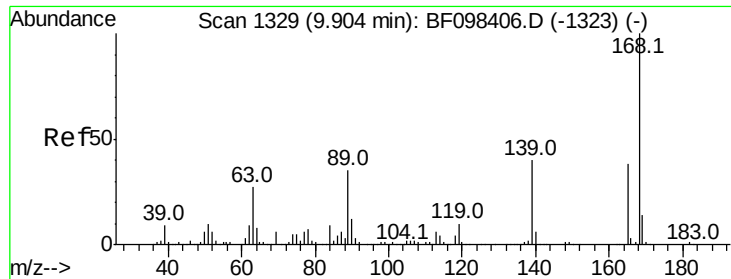


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

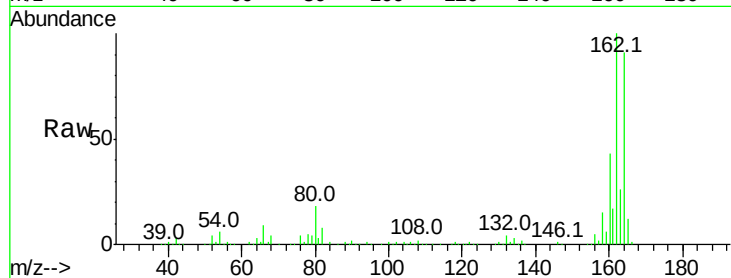




#56
 2,4-Dinitrotoluene
 Concen: 6.702 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.21 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

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

Tot Ion:	165	Resp:	23653
Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

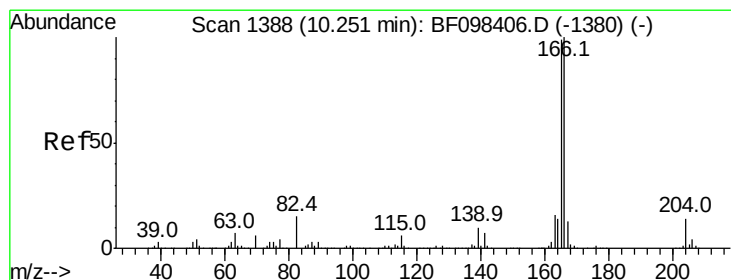
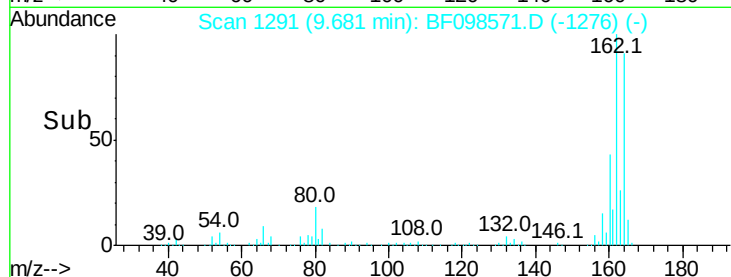
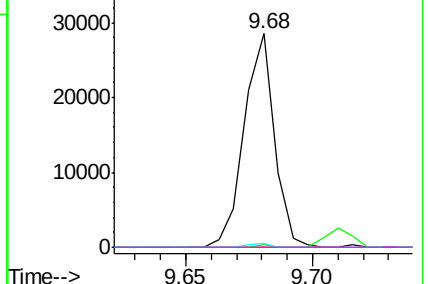


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

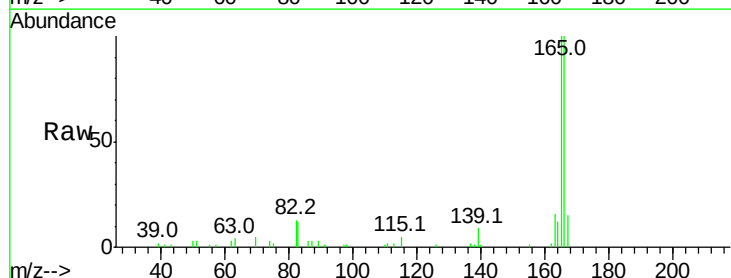
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 2.228 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

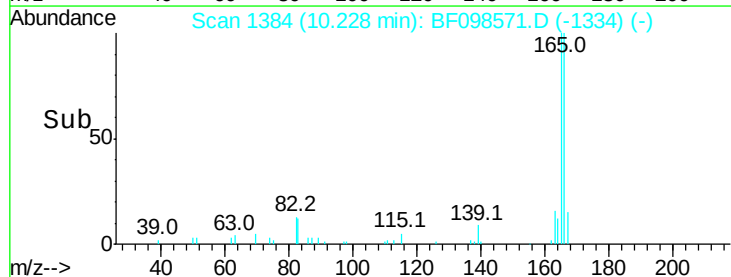
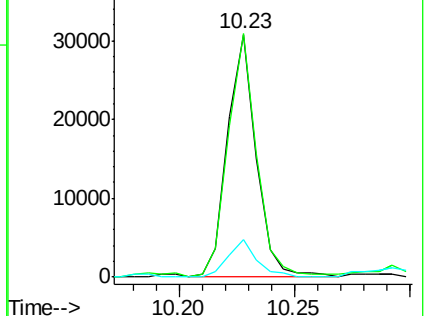
Tgt Ion:	166	Resp:	26801
Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	15.5	10.6	16.0

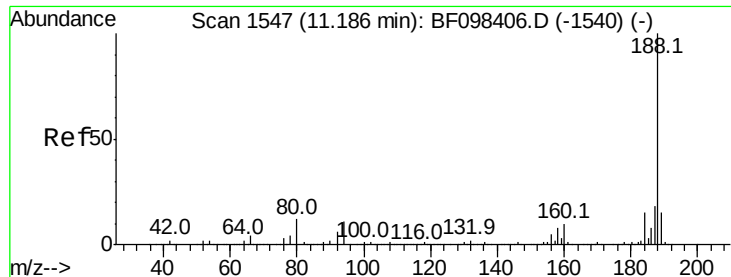


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

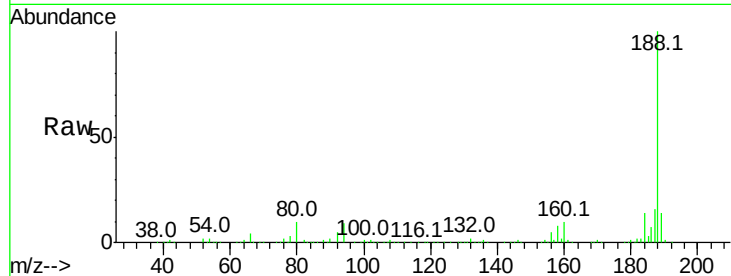




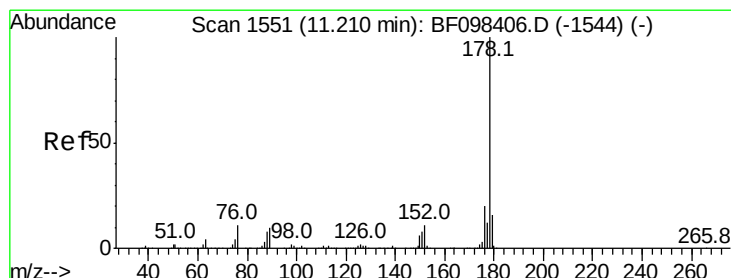
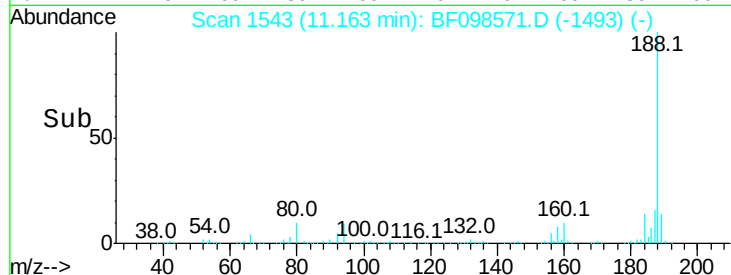
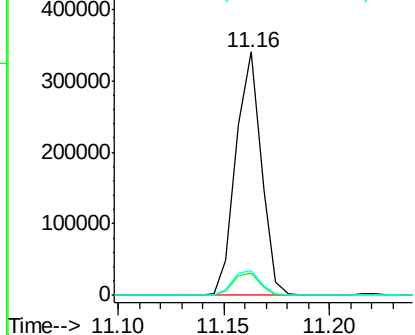
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

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

Tot Ion:188 Resp: 283669
Ion Ratio Lower Upper
188 100
94 9.1 9.4 14.2#
80 10.3 10.2 15.2

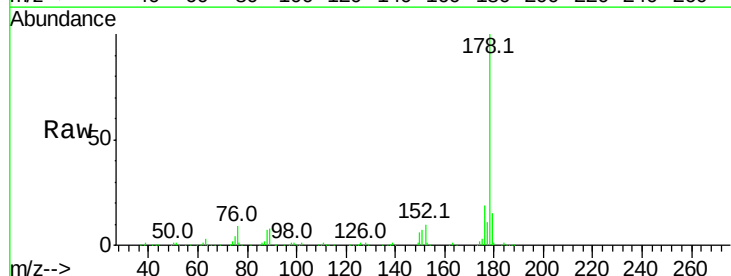


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

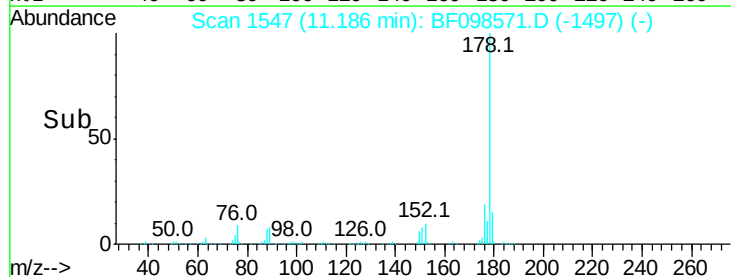
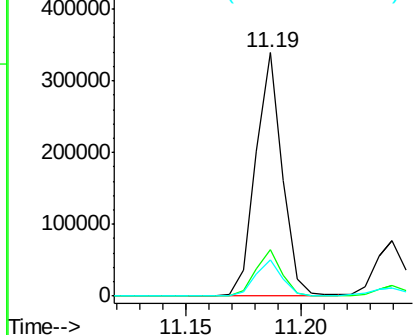


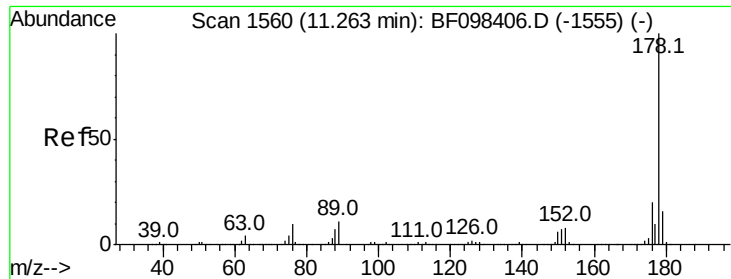
#70
Phenanthrene
Concen: 18.125 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion:178 Resp: 272562
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 14.7 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

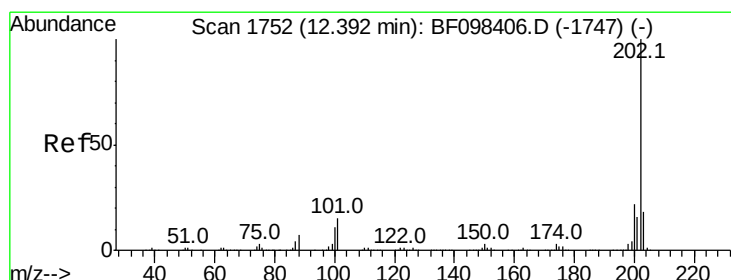
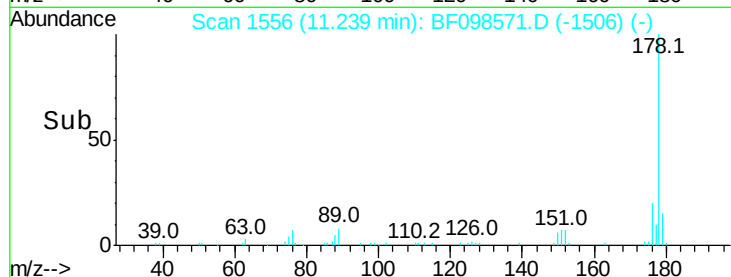
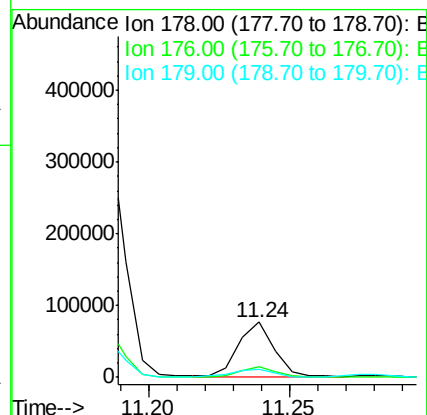
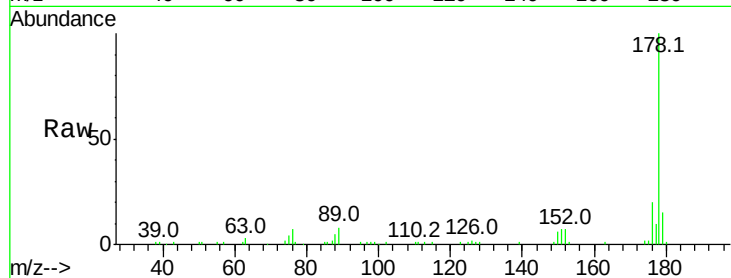




#71
 Anthracene
 Concen: 4.360 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

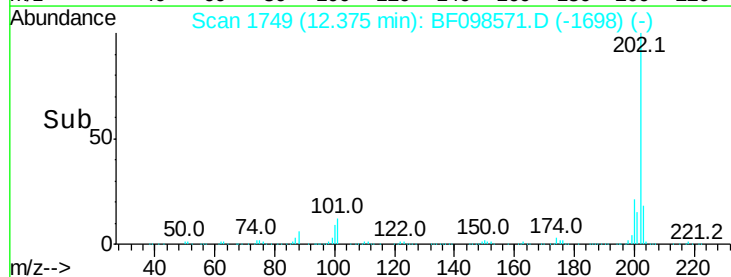
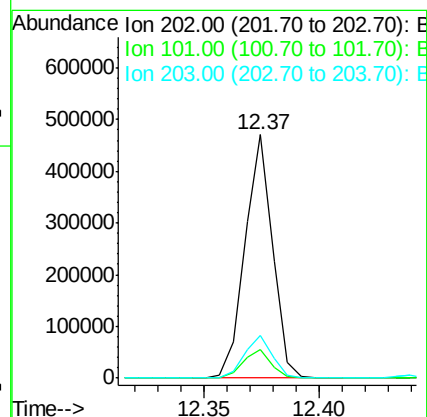
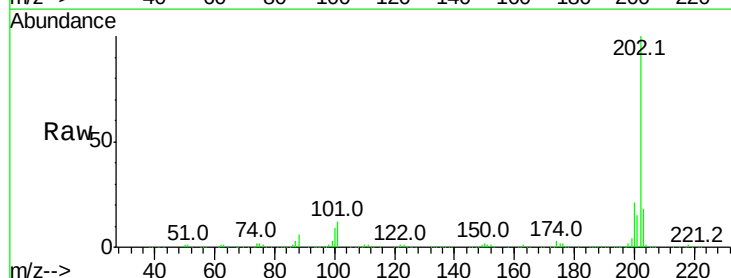
Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25DL

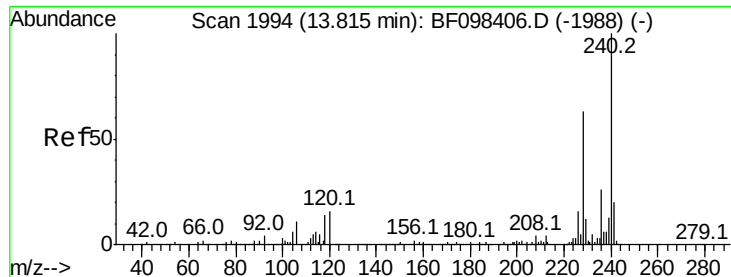
Tot Ion:178 Resp: 67316
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.1 12.7 19.1



#74
 Fluoranthene
 Concen: 25.984 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion:202 Resp: 391175
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.2
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

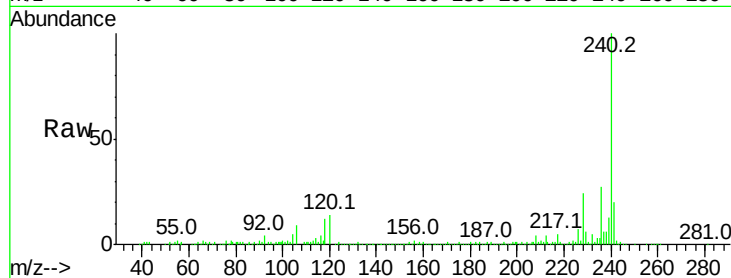
Tot Ion:240 Resp: 253446

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

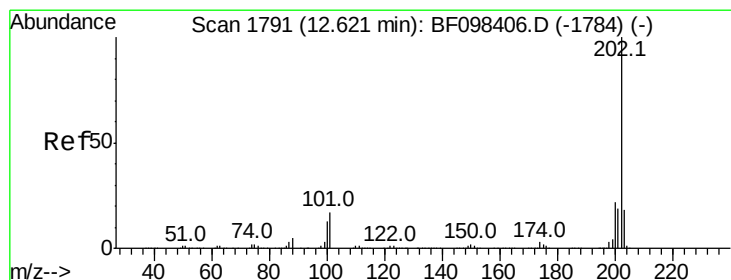
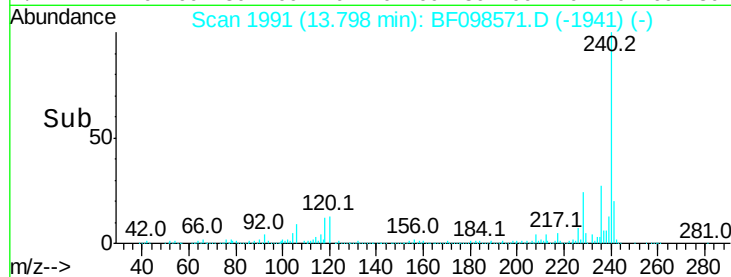
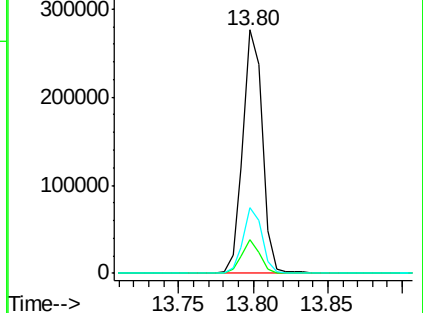
236 26.7 20.5 30.7



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: 16.110 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

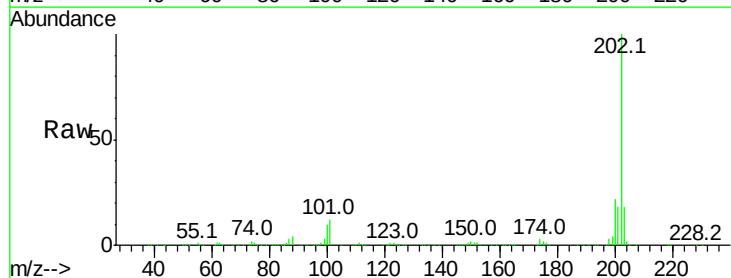
Tgt Ion:202 Resp: 322086

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

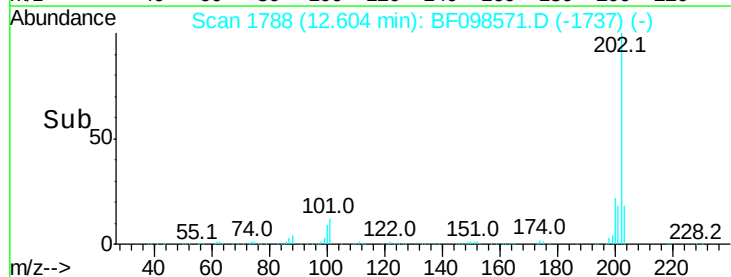
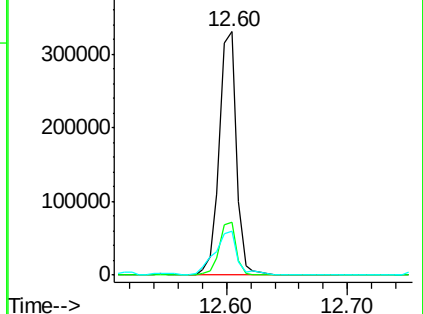
203 17.9 14.4 21.6

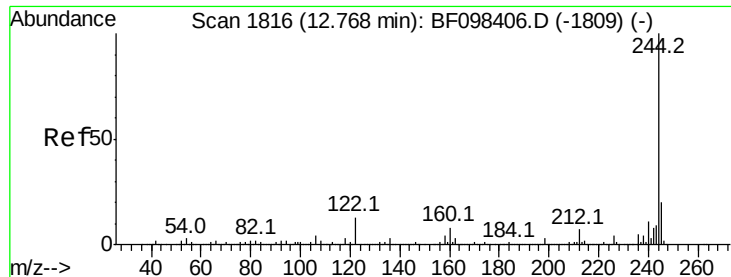


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

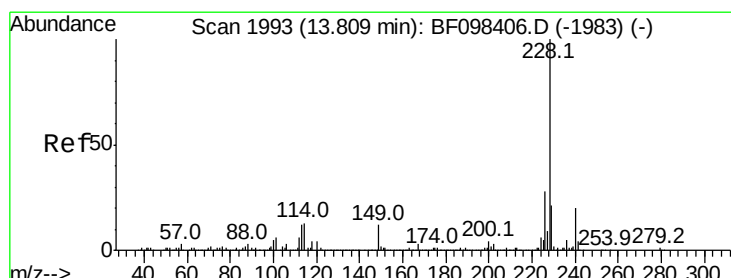
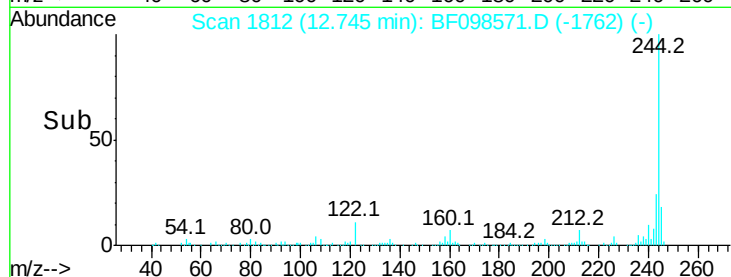
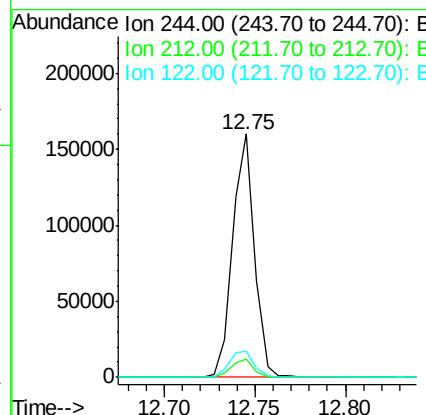
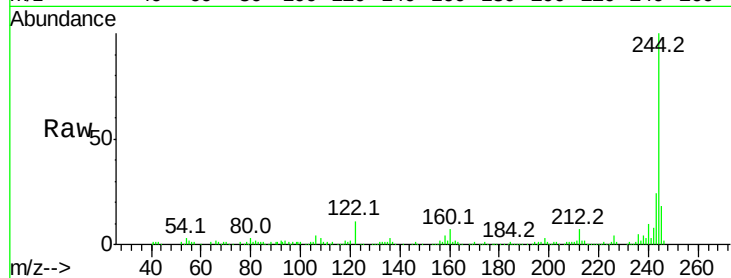




#78
 Terphenyl-d14
 Concen: 11.410 ng
 RT: 12.75 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

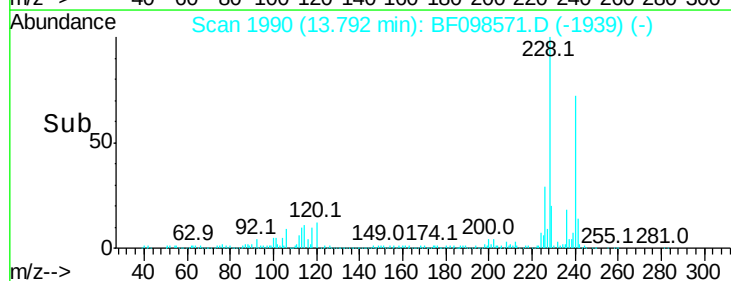
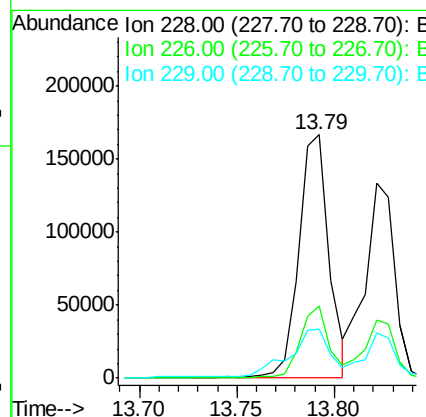
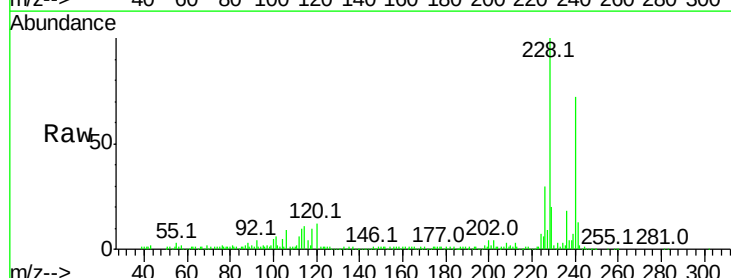
Instrument :
 BNA_F
 ClientSampleId :
 RL-2-0-17.25DL

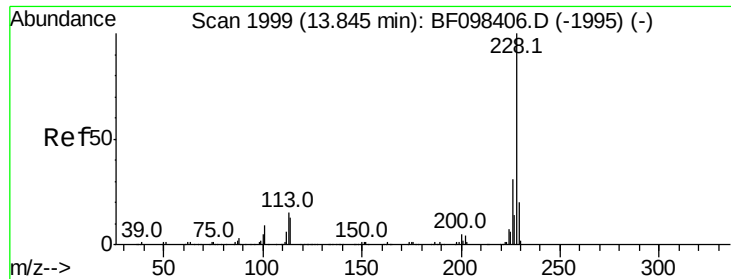
Tot Ion:244 Resp: 133978
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 12.042 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: BF098571.D
 Acq: 15 Sep 2017 16:01

Tgt Ion:228 Resp: 178926
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 33.8
 229 20.3 16.3 24.5





#82

Chrysene

Concen: 9.430 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

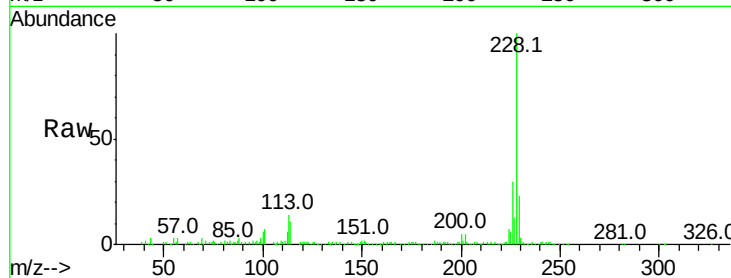
Tot Ion:228 Resp: 141637

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

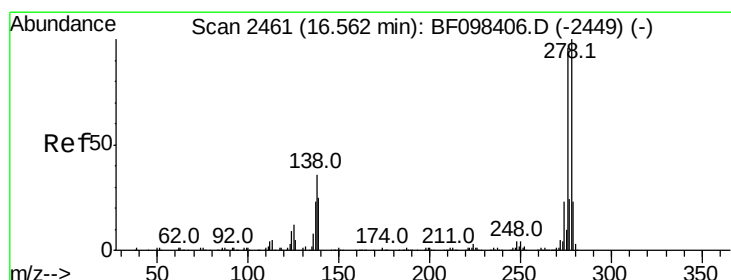
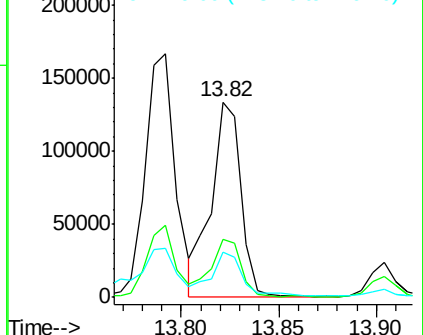
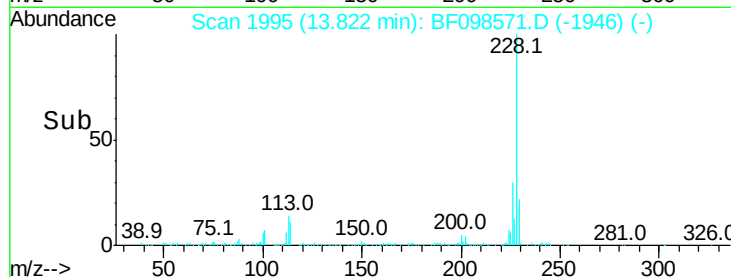
229 23.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.973 ng

RT: 16.54 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

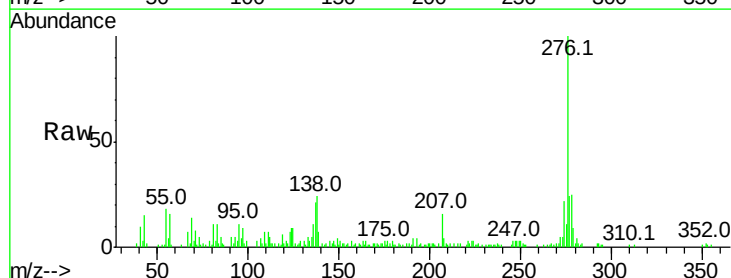
Tgt Ion:276 Resp: 52405

Ion Ratio Lower Upper

276 100

138 28.1 27.8 41.6

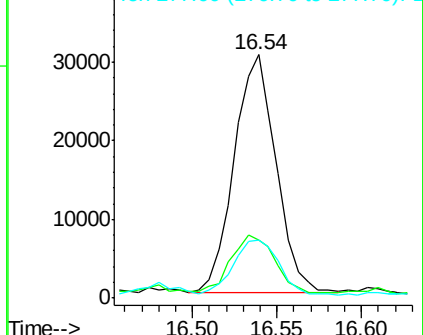
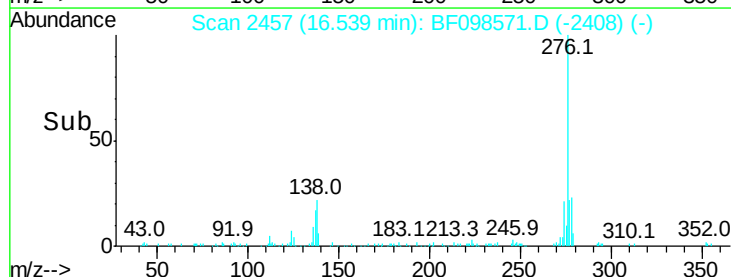
277 25.0 20.2 30.4

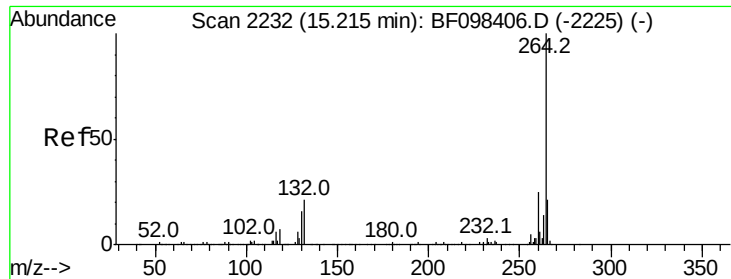


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

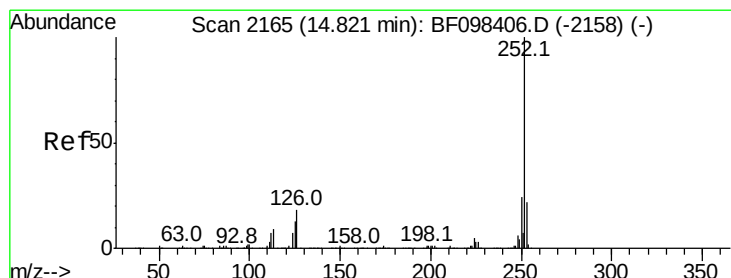
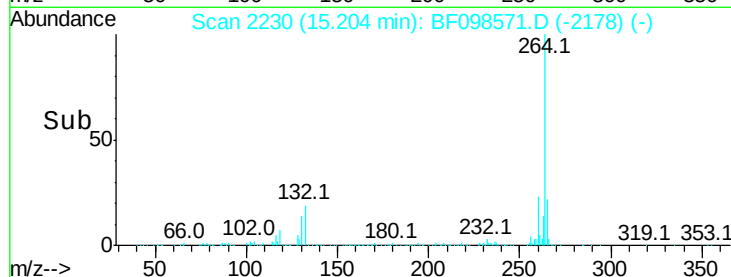
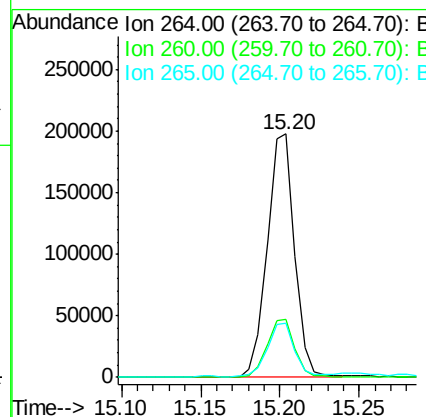
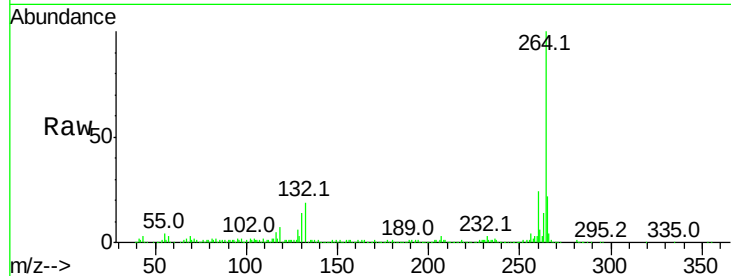




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

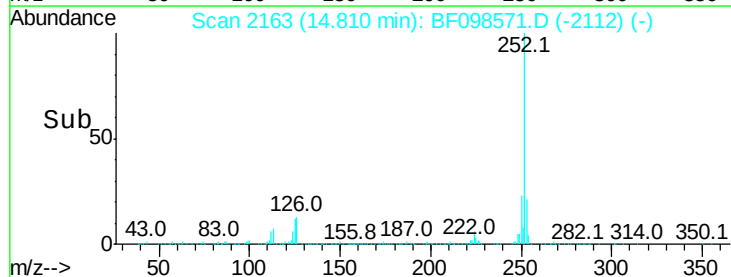
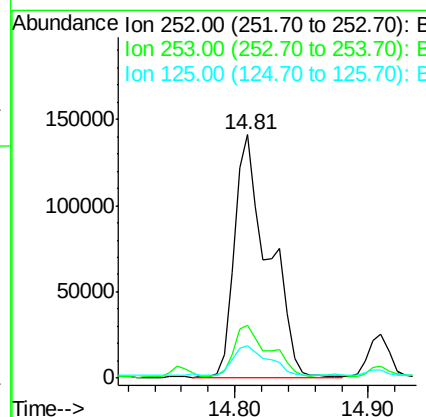
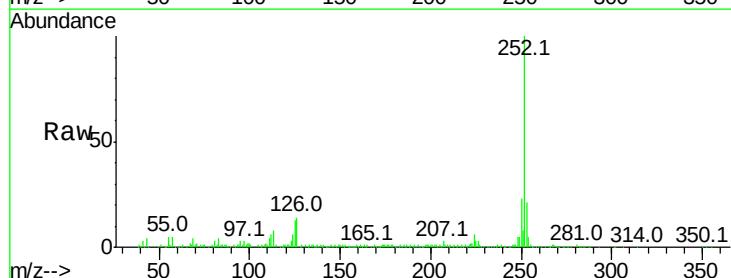
Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

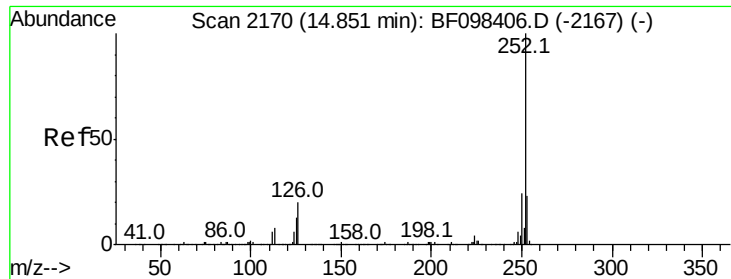
Tot Ion:264 Resp: 239986
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 16.426 ng
RT: 14.81 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion:252 Resp: 247860
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 13.5 9.8 14.8

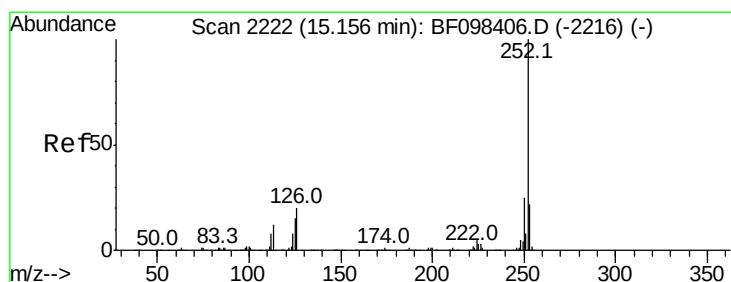
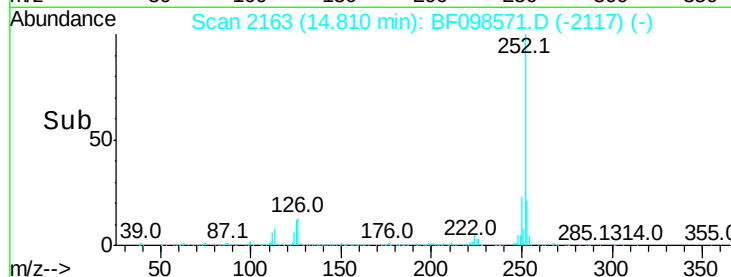
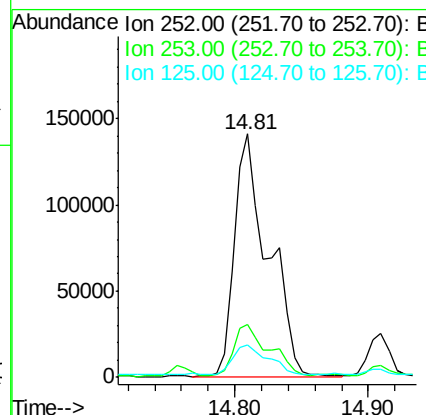
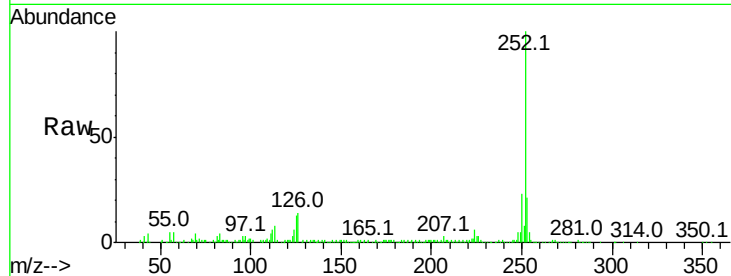




#88
Benzo(k)fluoranthene
Concen: 17.595 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.03 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

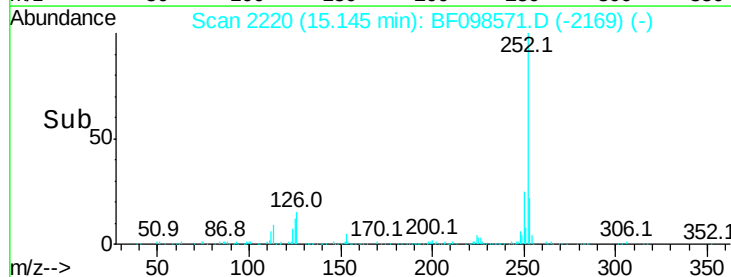
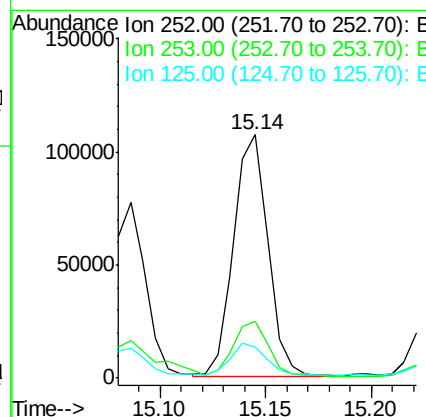
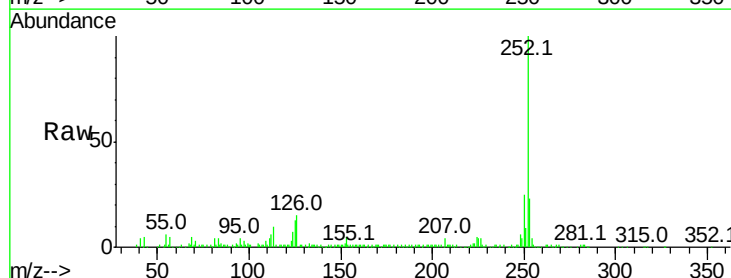
Instrument :
BNA_F
ClientSampleId :
RL-2-0-17.25DL

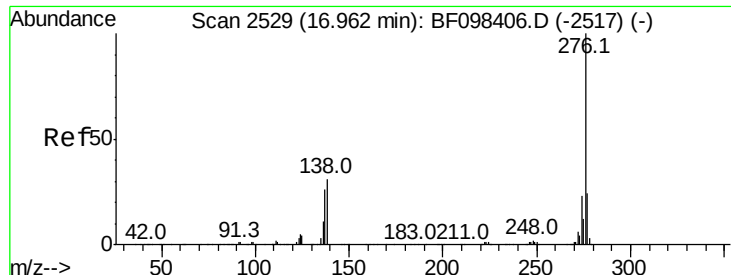
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	13.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 9.045 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.00 min
Lab File: BF098571.D
Acq: 15 Sep 2017 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	12.8	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 4.904 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF098571.D

Acq: 15 Sep 2017 16:01

Instrument :

BNA_F

ClientSampleId :

RL-2-0-17.25DL

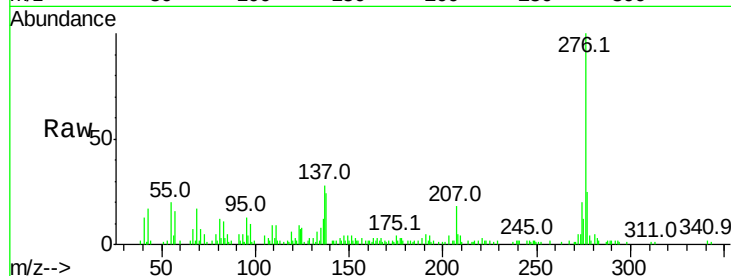
Tot Ion: 276 Resp: 48236

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 24.1 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

