

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098560.D
 Acq On : 15 Sep 2017 10:55
 Operator : SJ/JU
 Sample : I5161-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-17.5-35

Quant Time: Sep 15 13:23:31 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	134781	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	569665	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	265900	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	495682	20.00	ng	0.00
75) Chrysene-d12	13.80	240	298937	20.00	ng	0.00
86) Perylene-d12	15.20	264	277778	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1159779	127.23	ng	0.01
7) Phenol-d6	6.30	99	1430238	123.57	ng	0.00
23) Nitrobenzene-d5	7.22	82	848427	83.03	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	274545	154.70	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1387970	88.47	ng	0.00
78) Terphenyl-d14	12.75	244	1092623	78.89	ng	0.00

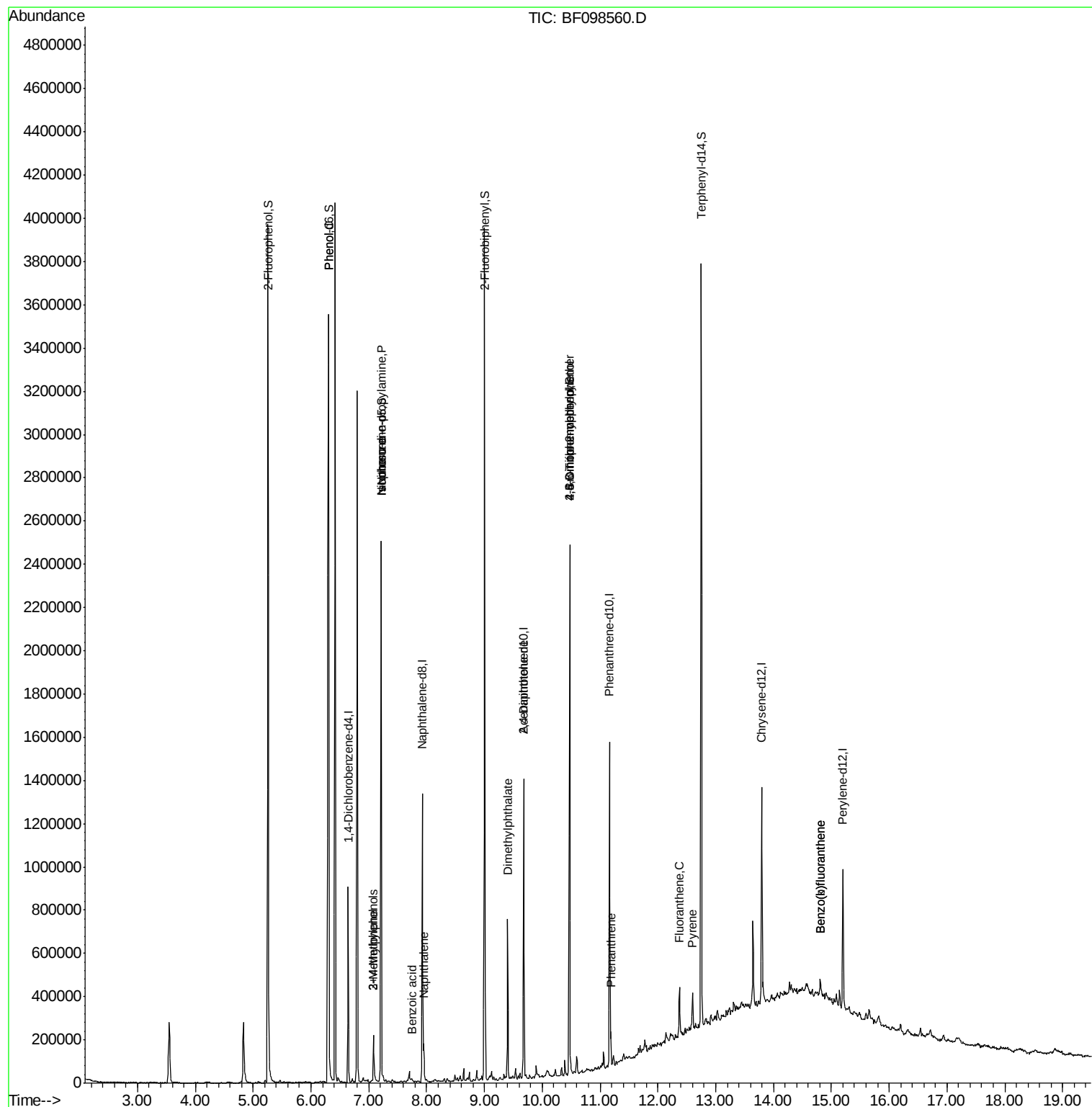
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	42997	3.198	ng	89
17) 2-Methylphenol	7.08	107	81582	9.981	ng	# 67
19) n-Nitroso-di-n-propylamine	7.22	70	112731	15.484	ng	# 78
20) 3+4-Methylphenols	7.08	107	81583	7.909	ng	# 55
25) Isophorone	7.22	82	844891	40.867	ng	# 67
31) Naphthalene	7.95	128	67334	2.391	ng	99
32) Benzoic acid	7.75	122	2759	8.352	ng	# 36
49) Dimethylphthalate	9.40	163	276035	13.411	ng	99
56) 2,4-Dinitrotoluene	9.68	165	34257	6.665	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	766	5.190	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	20730	4.406	ng	# 1
70) Phenanthrene	11.19	178	54007	2.055	ng	98
74) Fluoranthene	12.37	202	82358	3.131	ng	97
77) Pyrene	12.60	202	69933	2.966	ng	99
87) Benzo(b)fluoranthene	14.81	252	49226	2.818	ng	# 85
88) Benzo(k)fluoranthene	14.81	252	49226	3.019	ng	# 88

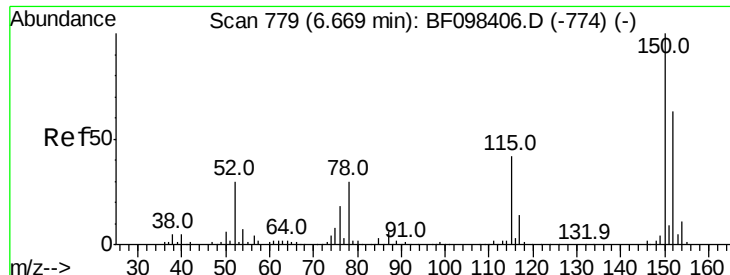
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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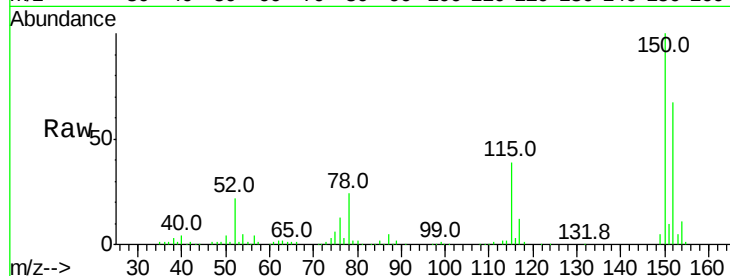


#1

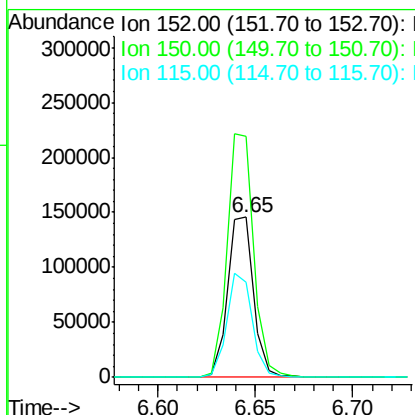
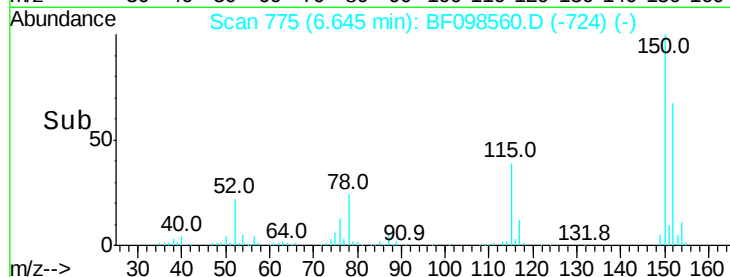
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-17.5-35

Tot Ion:152 Resp: 134781
 Ion Ratio Lower Upper
 152 100
 150 150.3 126.2 189.2
 115 59.1 52.2 78.2



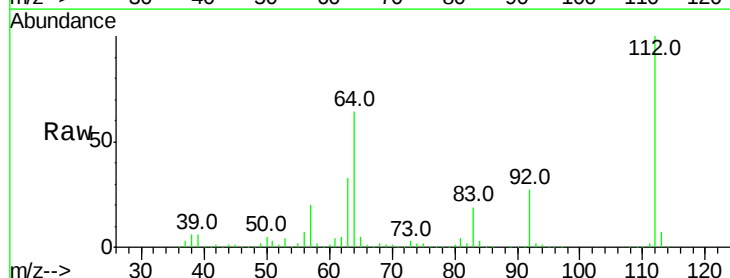
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



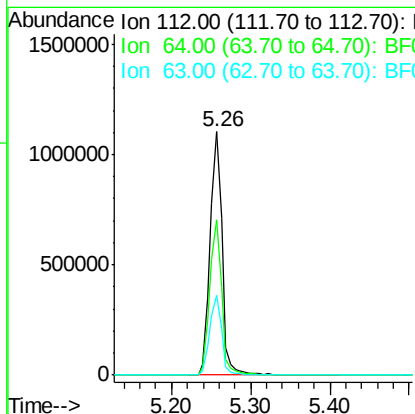
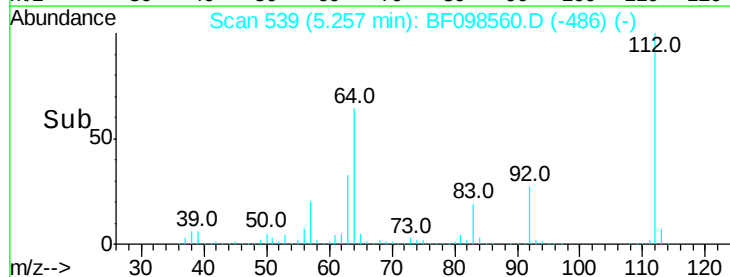
#5

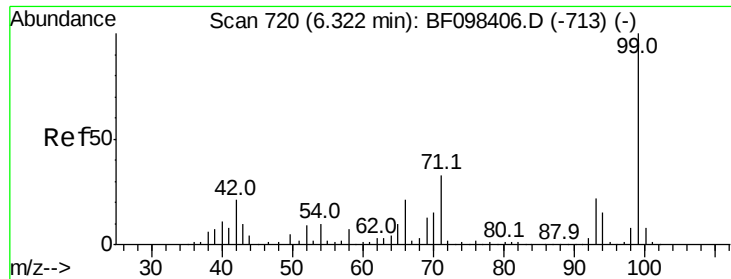
2-Fluorophenol
 Concen: 127.226 ng
 RT: 5.26 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

Tgt Ion:112 Resp: 1159779
 Ion Ratio Lower Upper
 112 100
 64 63.8 46.0 69.0
 63 32.7 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: 123.572 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :

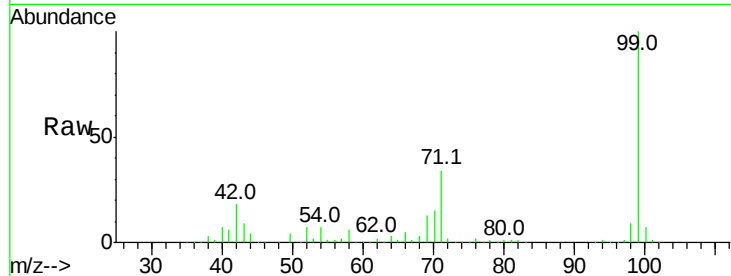
BNA_F

ClientSampleId :

RL-15-17.5-35

Tot Ion: 99 Resp: 1430238

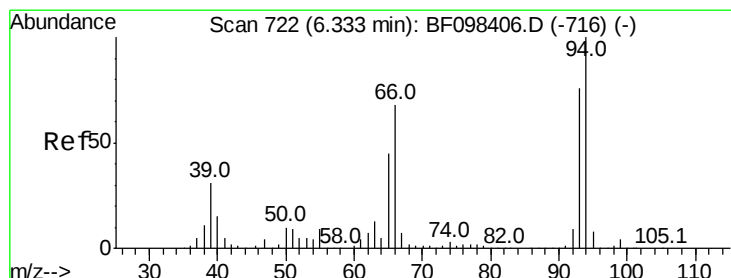
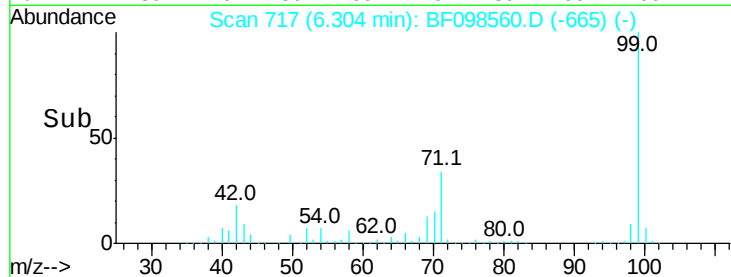
Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.5	20.3
71	33.9	24.5	36.7



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: 3.198 ng

RT: 6.31 min Scan# 718

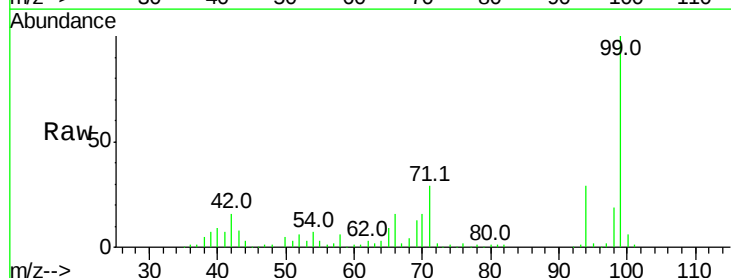
Delta R.T. -0.01 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Tgt Ion: 94 Resp: 42997

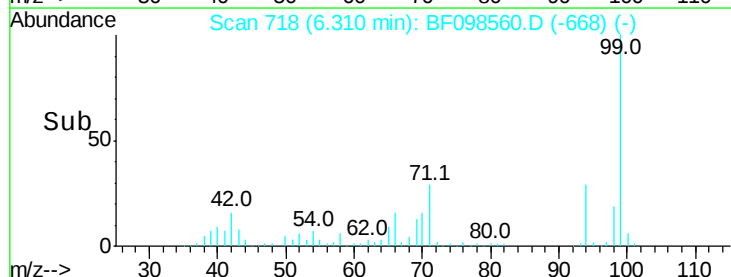
Ion	Ratio	Lower	Upper
94	100		
65	31.3	9.9	49.9
66	53.6	23.1	63.1

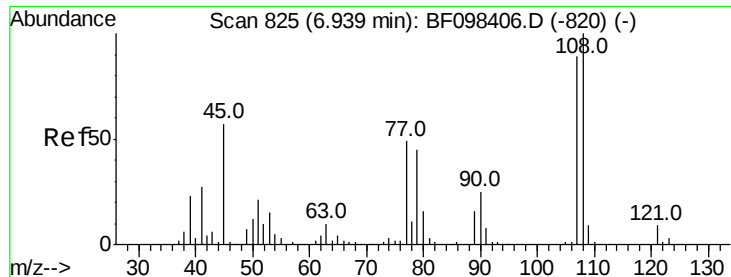


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 9.981 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.16 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :

BNA_F

ClientSampleId :

RL-15-17.5-35

Tot Ion:107 Resp: 81582

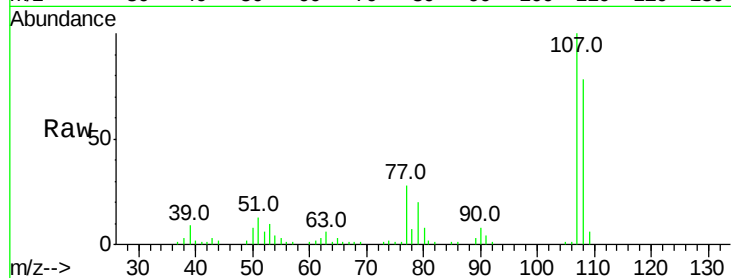
Ion Ratio Lower Upper

107 100

108 78.4 93.4 140.0#

77 28.1 35.8 53.6#

79 19.7 34.8 52.2#

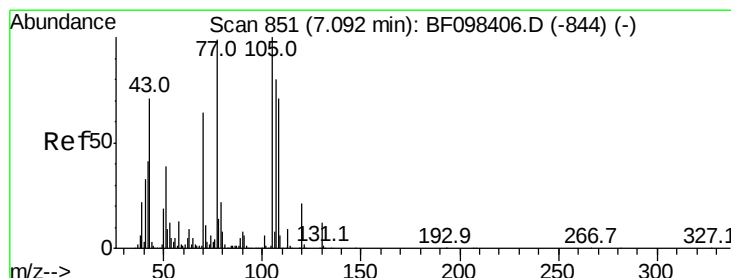
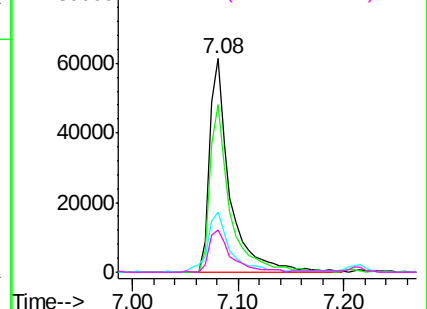
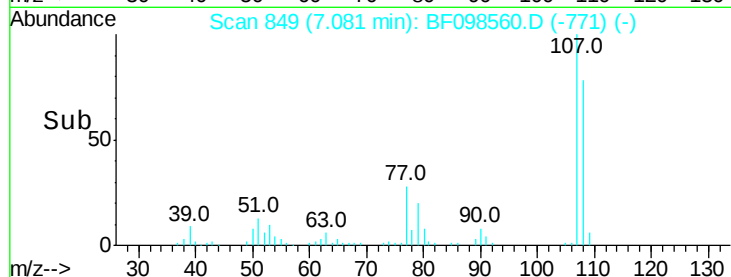


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.484 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Tgt Ion: 70 Resp: 112731

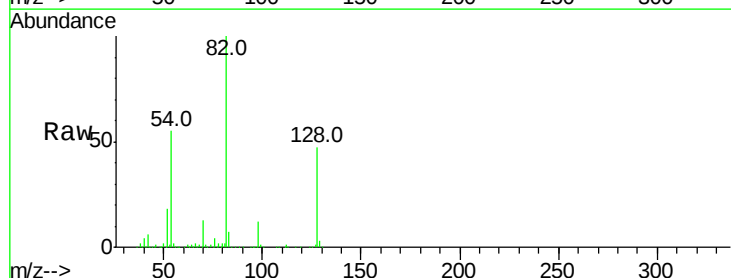
Ion Ratio Lower Upper

70 100

42 47.6 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

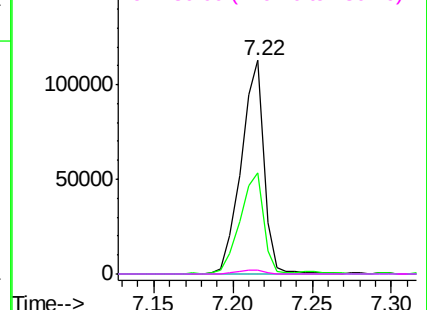
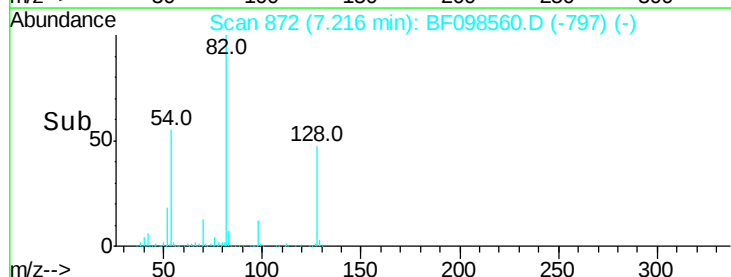


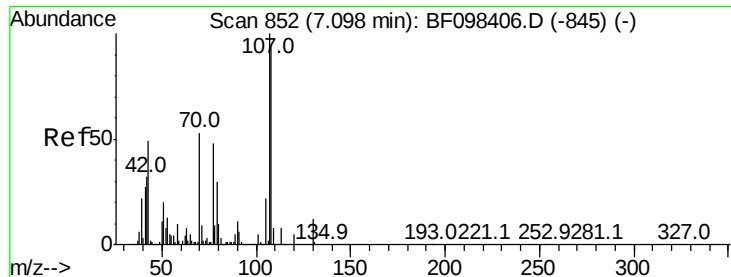
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

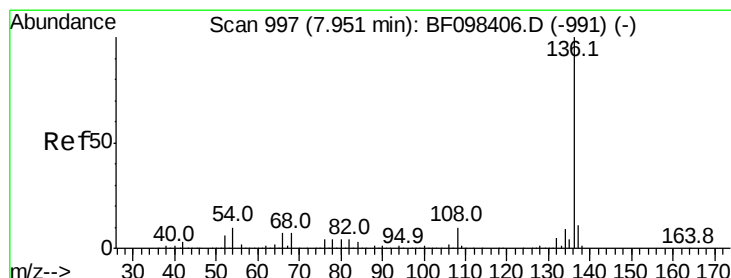
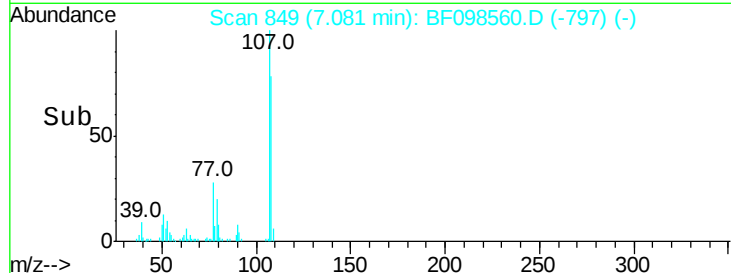
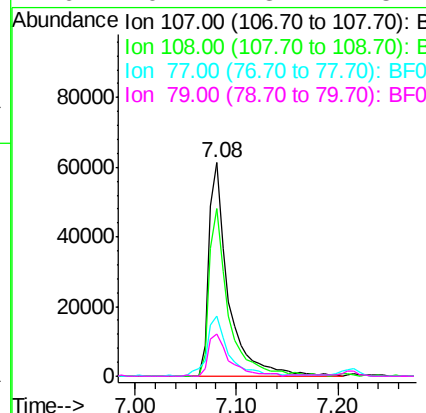
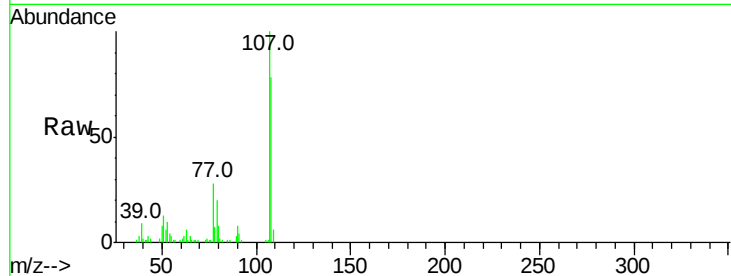




#20
3+4-Methylphenols
Concen: 7.909 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.01 min
Lab File: BF098560.D
Acq: 15 Sep 2017 10:55

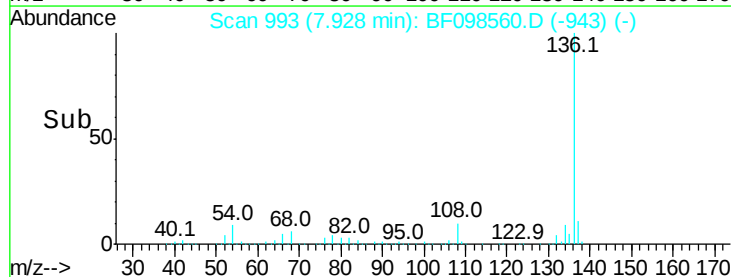
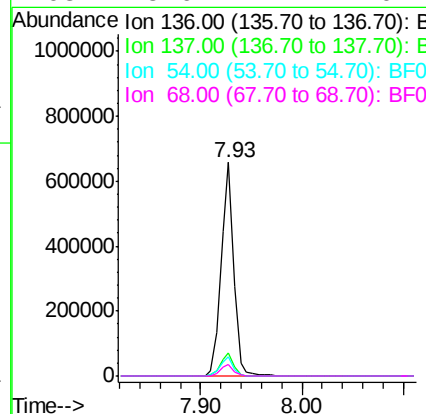
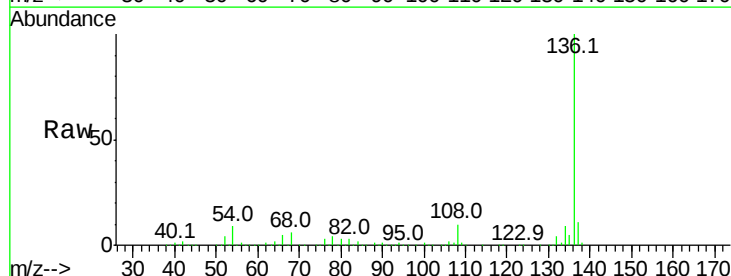
Instrument :
BNA_F
ClientSampleId :
RL-15-17.5-35

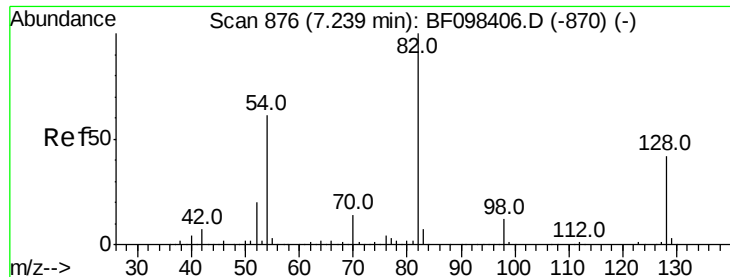
Tot Ion:	107	Resp:	81583
Ion	Ratio	Lower	Upper
107	100		
108	78.4	71.0	111.0
77	28.1	90.5	130.5#
79	19.7	8.4	48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF098560.D
Acq: 15 Sep 2017 10:55

Tgt Ion:	136	Resp:	569665
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	8.9	4.9	7.3#
68	5.6	4.1	6.1

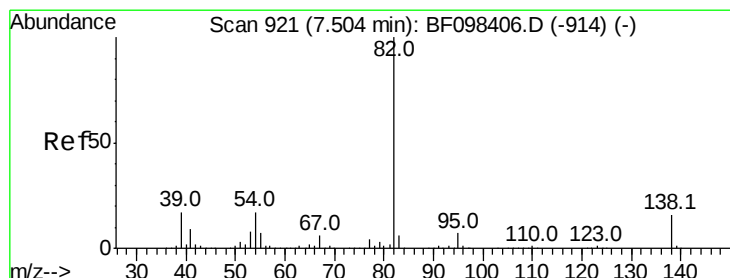
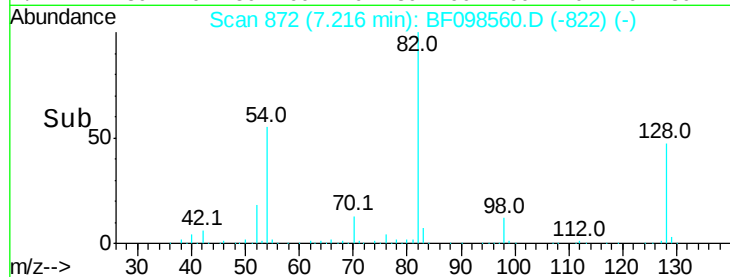
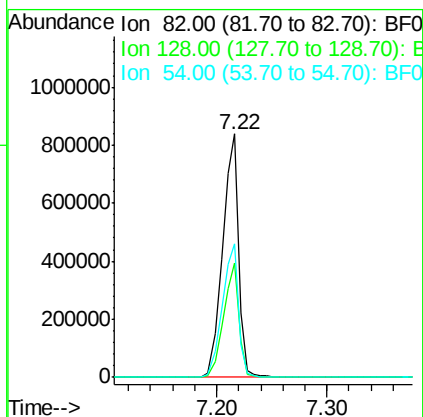
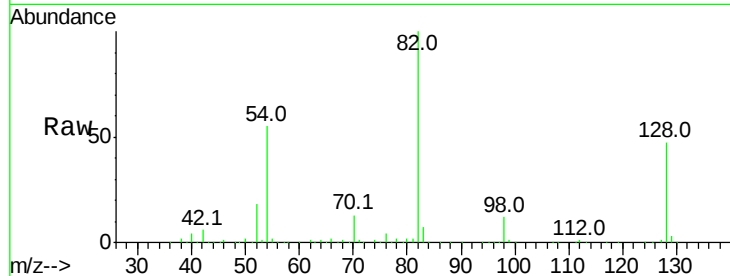




#23
 Nitrobenzene-d5
 Concen: 83.030 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

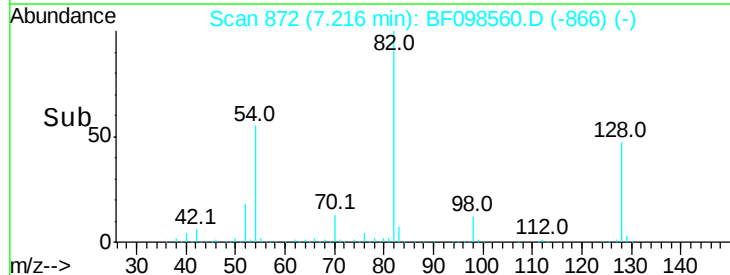
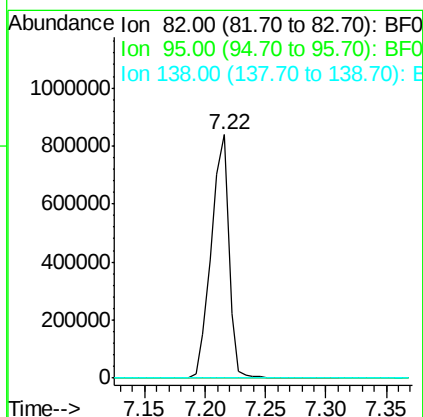
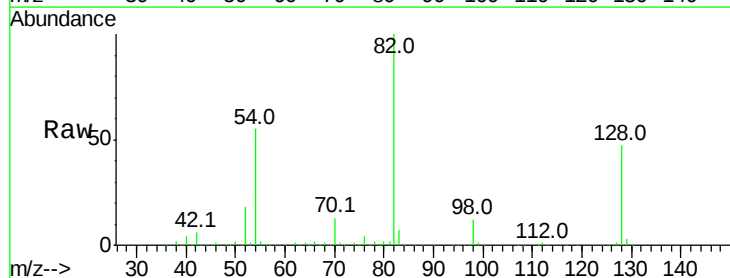
Instrument :
 BNA_F
 ClientSampleId :
 RL-15-17.5-35

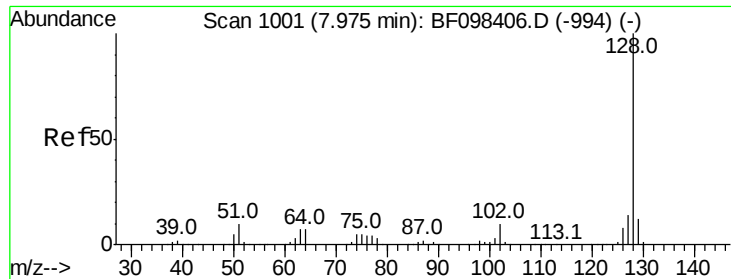
Tot Ion: 82 Resp: 848427
 Ion Ratio Lower Upper
 82 100
 128 46.8 34.0 51.0
 54 54.9 42.2 63.2



#25
 Isophorone
 Concen: 40.867 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.26 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

Tgt Ion: 82 Resp: 844891
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

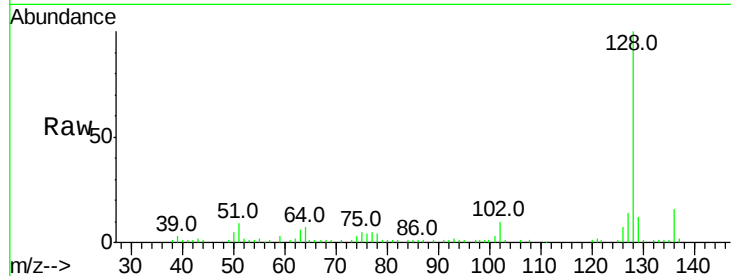




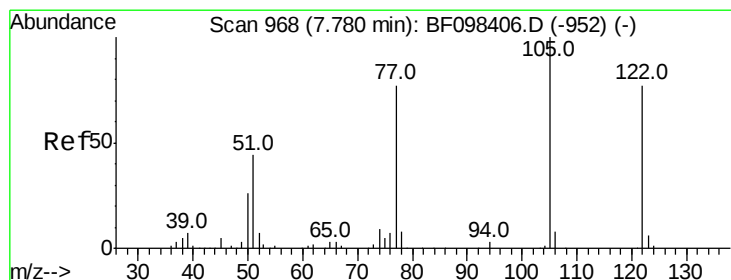
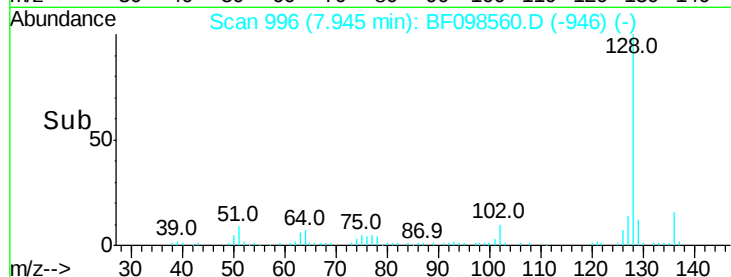
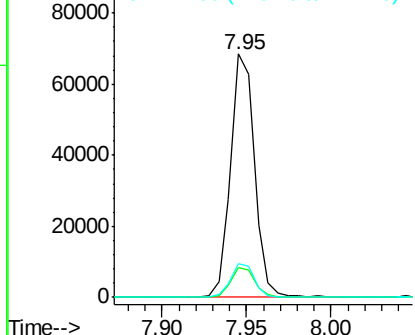
#31
Naphthalene
Concen: 2.391 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098560.D
Acq: 15 Sep 2017 10:55

Instrument :
BNA_F
ClientSampleId :
RL-15-17.5-35

Tot Ion:128 Resp: 67334
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.6
127 13.8 10.8 16.2

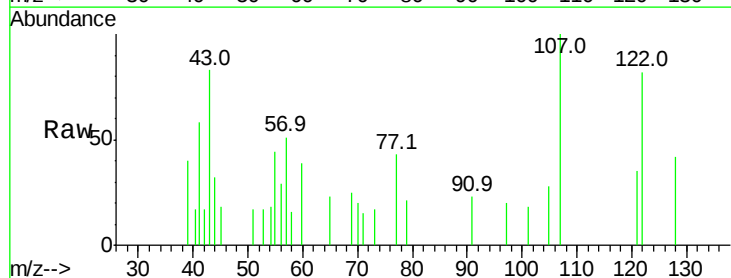


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

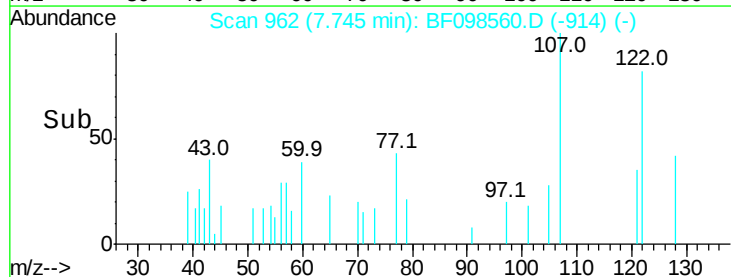
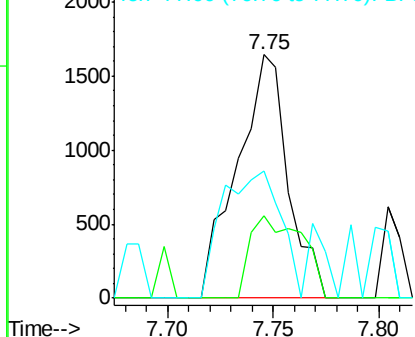


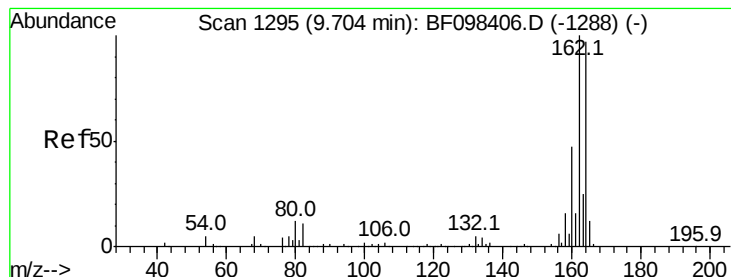
#32
Benzoic acid
Concen: 8.352 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.02 min
Lab File: BF098560.D
Acq: 15 Sep 2017 10:55

Tgt Ion:122 Resp: 2759
Ion Ratio Lower Upper
122 100
105 33.6 103.3 143.3#
77 52.3 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :

BNA_F

ClientSampleId :

RL-15-17.5-35

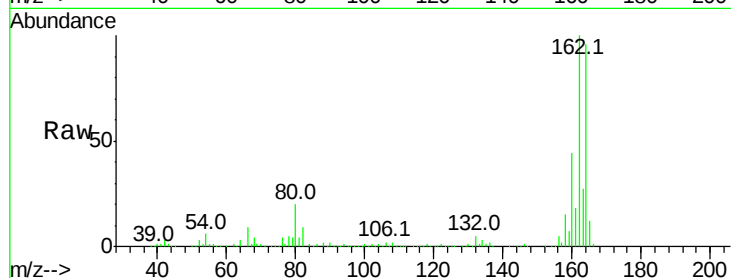
Tot Ion:164 Resp: 265900

Ion Ratio Lower Upper

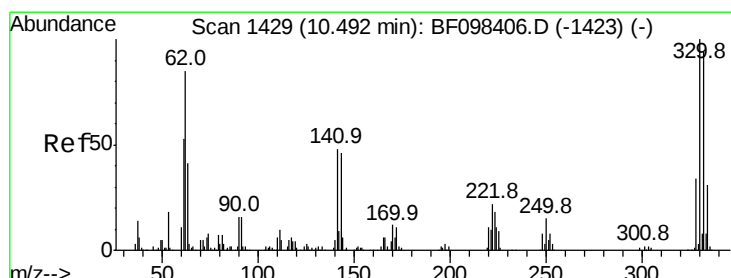
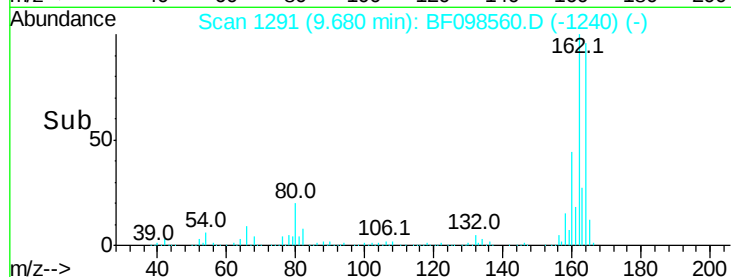
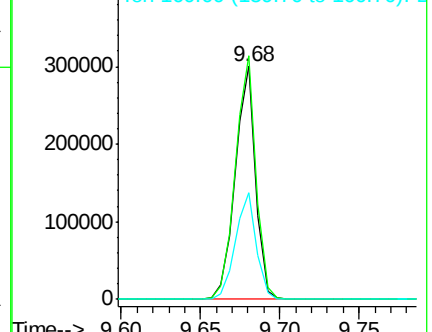
164 100

162 104.4 82.6 123.8

160 46.0 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: 154.702 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

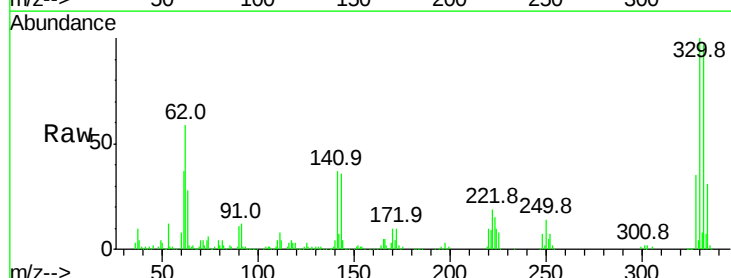
Tgt Ion:330 Resp: 274545

Ion Ratio Lower Upper

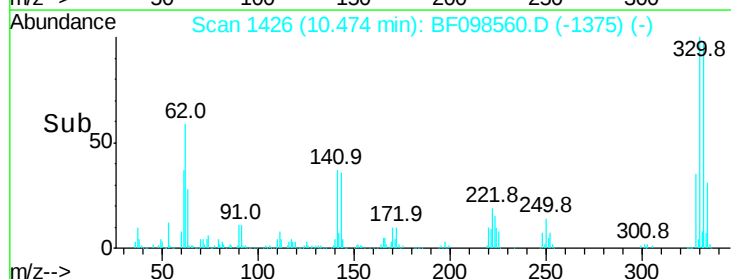
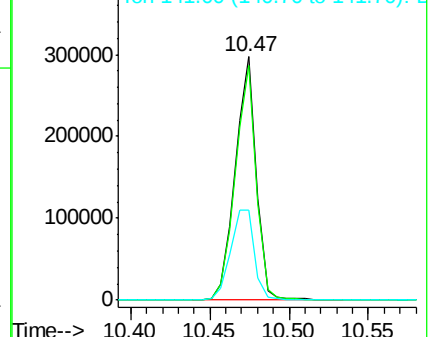
330 100

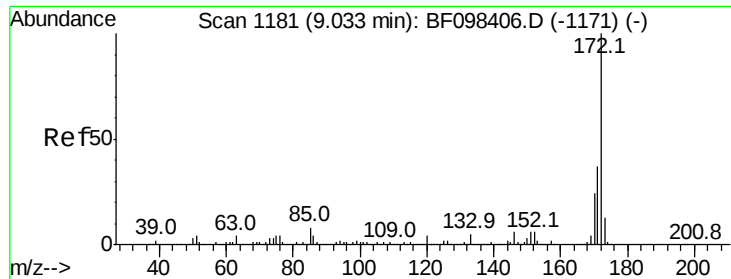
332 96.6 76.6 115.0

141 42.4 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

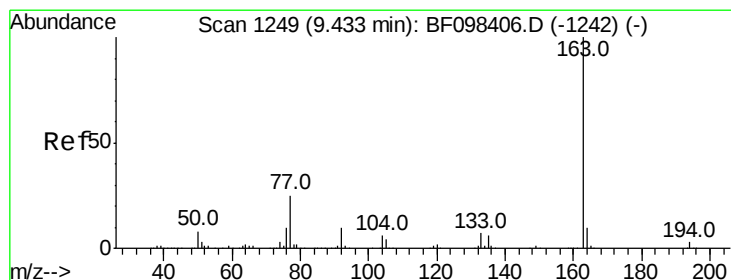
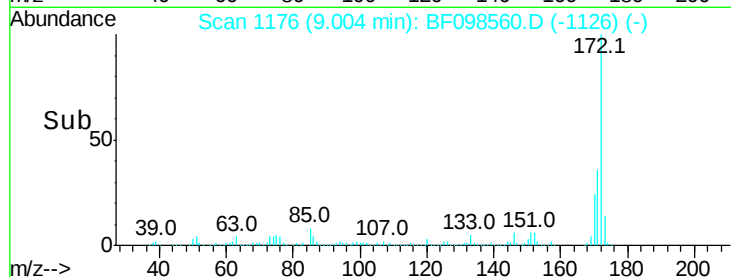
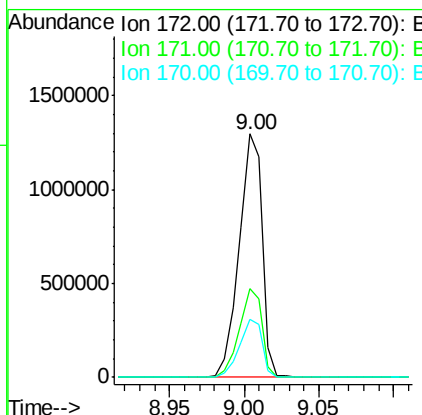
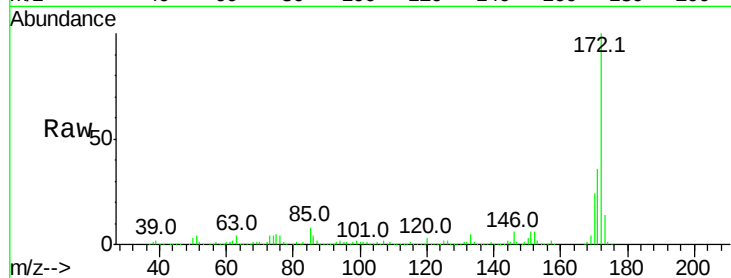




#44
2-Fluorobiphenyl
Concen: 88.473 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF098560.D
Acq: 15 Sep 2017 10:55

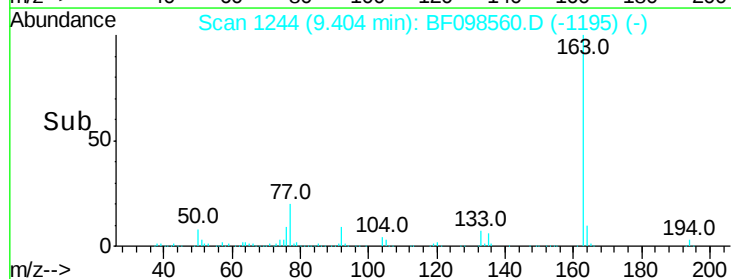
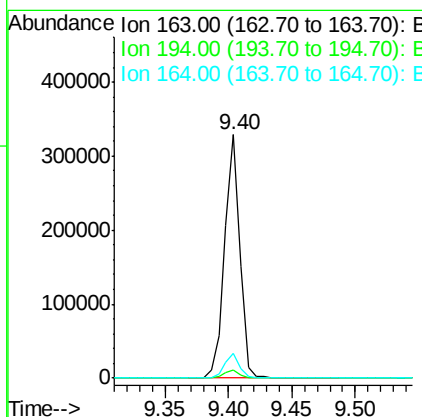
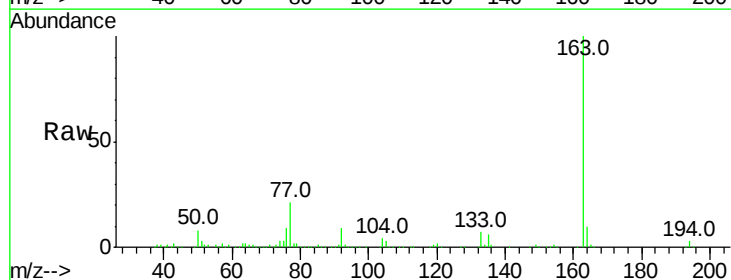
Instrument :
BNA_F
ClientSampleId :
RL-15-17.5-35

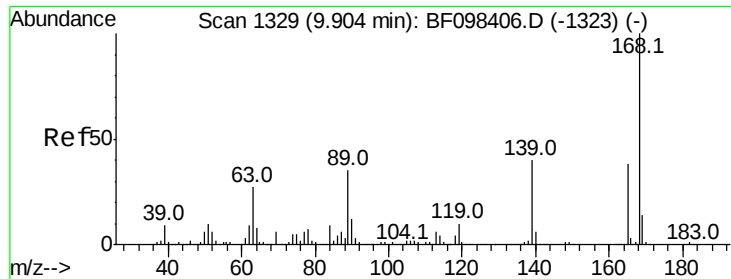
Tot Ion:172 Resp: 1387970
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 13.411 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF098560.D
Acq: 15 Sep 2017 10:55

Tgt Ion:163 Resp: 276035
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 8.4 12.6

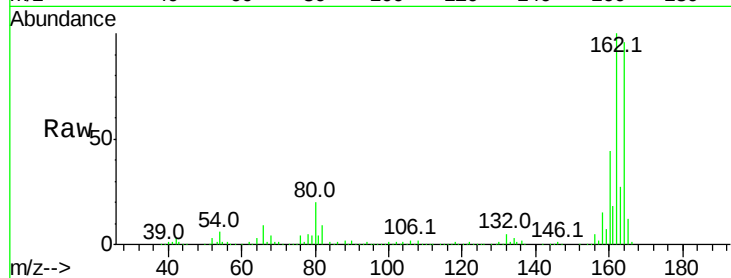




#56
 2,4-Dinitrotoluene
 Concen: 6.665 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.21 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-17.5-35

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

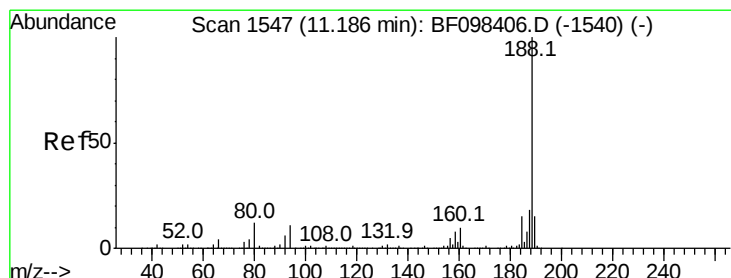
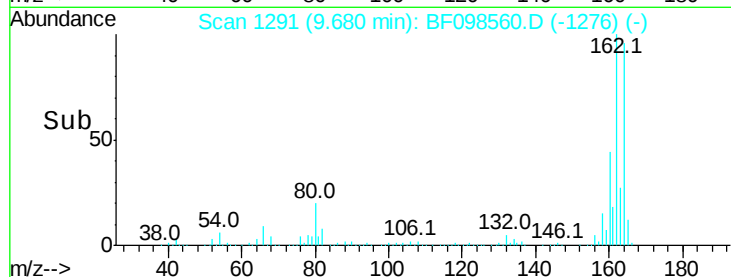
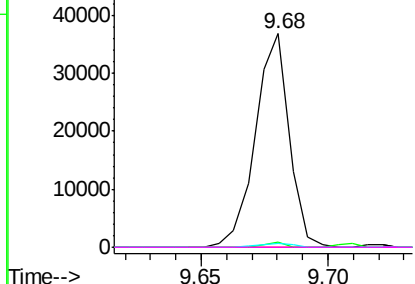


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

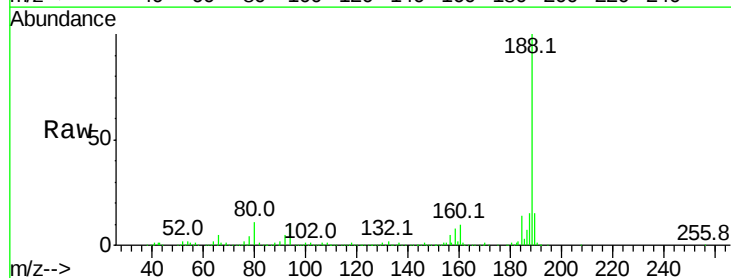
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

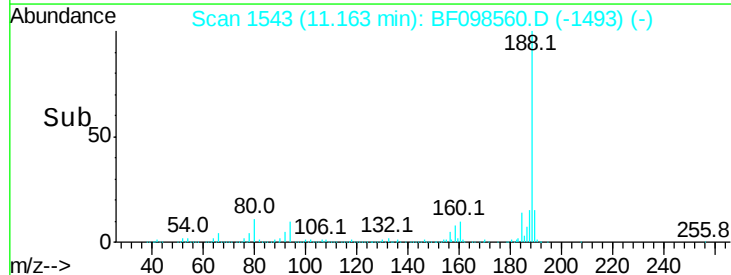
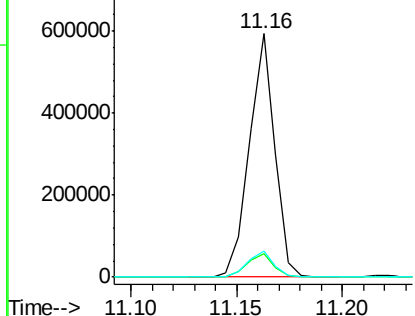
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.7	10.2	15.2

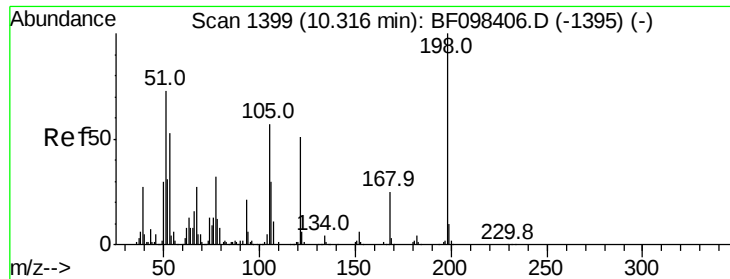


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

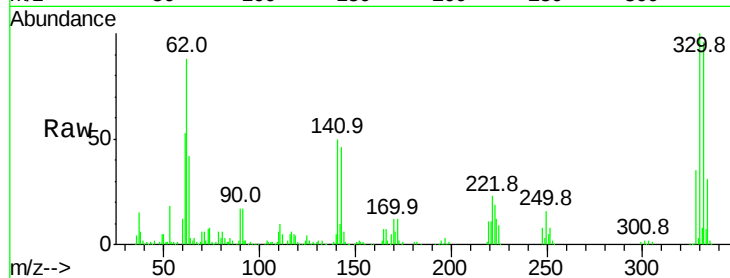




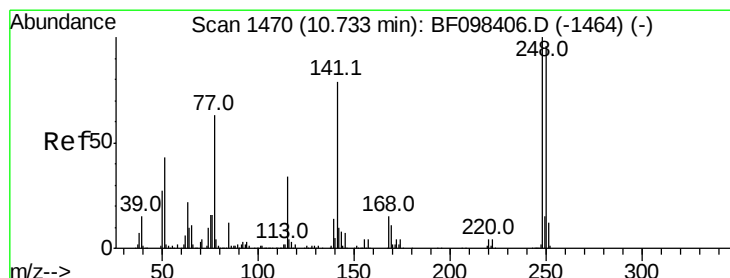
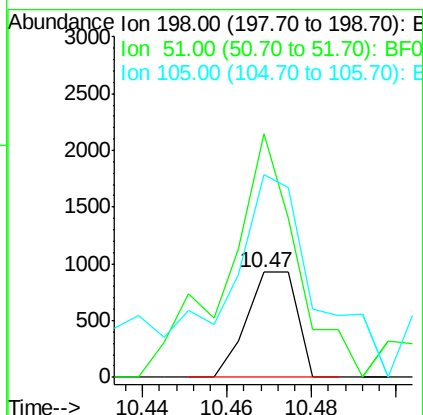
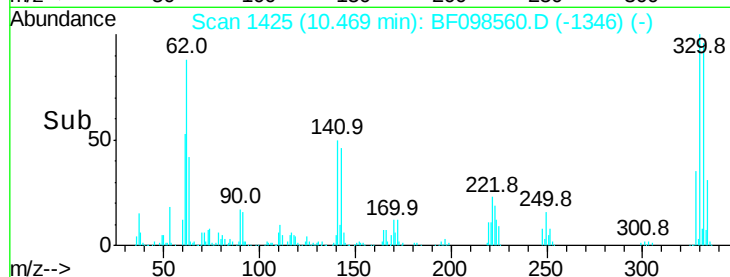
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.190 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.16 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-17.5-35

Tot Ion:198 Resp: 766
 Ion Ratio Lower Upper
 198 100
 51 231.1 53.2 93.2#
 105 192.2 45.8 85.8#

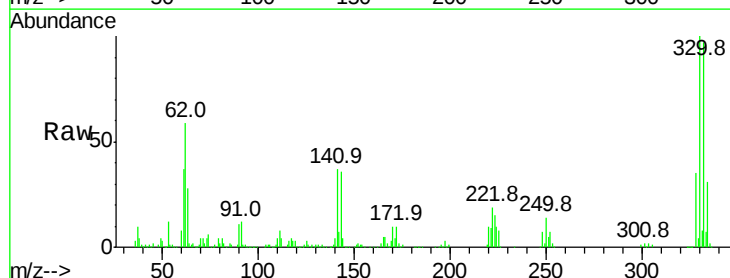


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

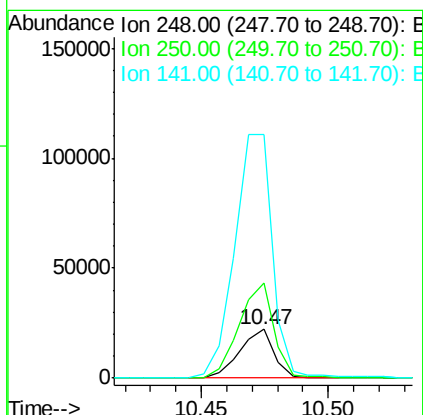
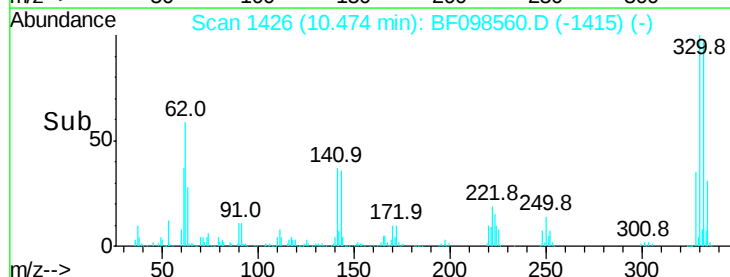


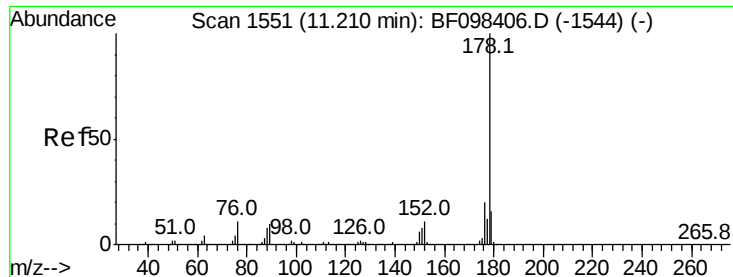
#66
 4-Bromophenyl-phenylether
 Concen: 4.406 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.24 min
 Lab File: BF098560.D
 Acq: 15 Sep 2017 10:55

Tgt Ion:248 Resp: 20730
 Ion Ratio Lower Upper
 248 100
 250 195.6 76.8 115.2#
 141 502.5 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: 2.055 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :

BNA_F

ClientSampleId :

RL-15-17.5-35

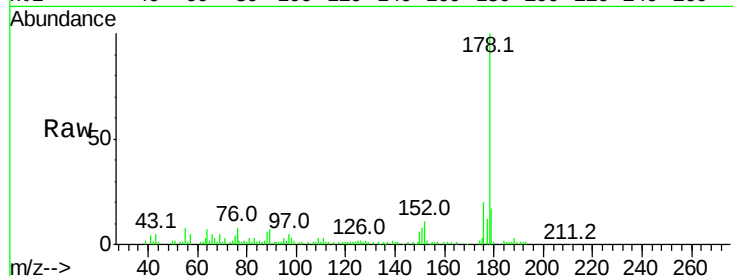
Tot Ion:178 Resp: 54007

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

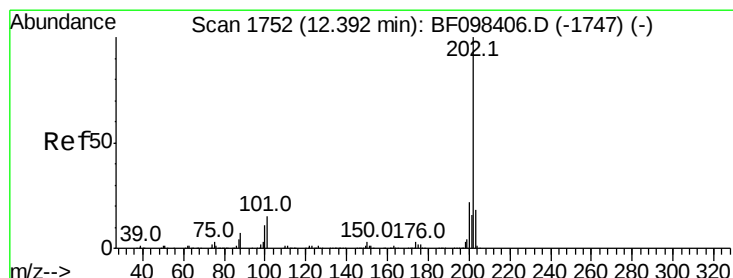
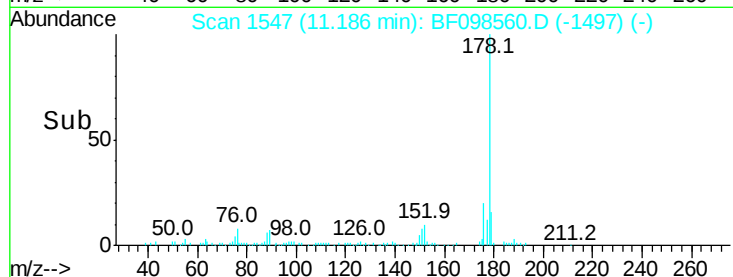
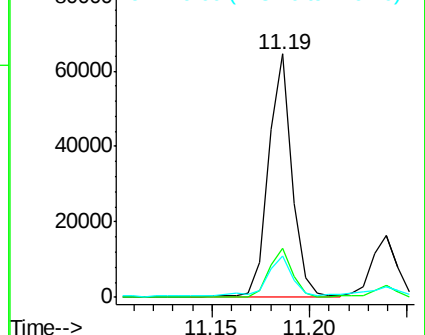
179 17.1 12.6 19.0



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



#74

Fluoranthene

Concen: 3.131 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

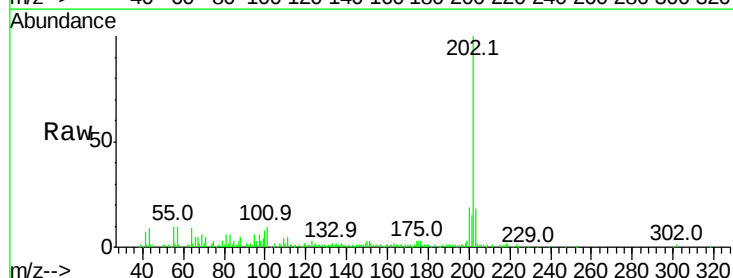
Tgt Ion:202 Resp: 82358

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.2

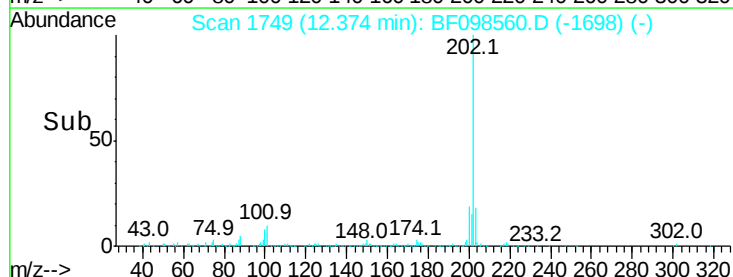
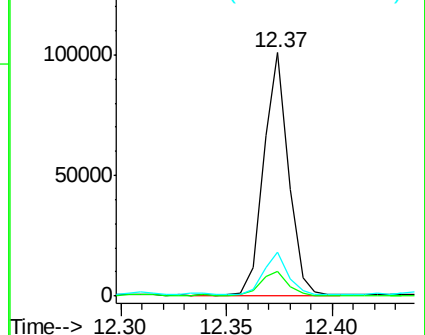
203 17.9 0.0 38.1

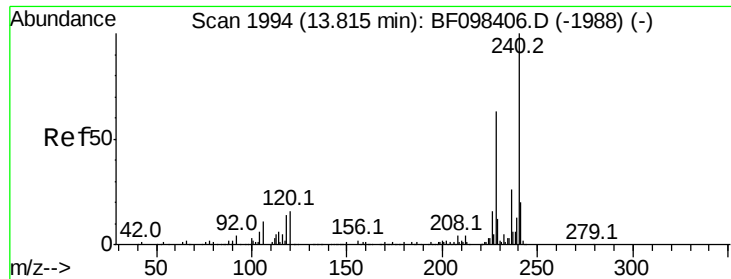


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :

BNA_F

ClientSampleId :

RL-15-17.5-35

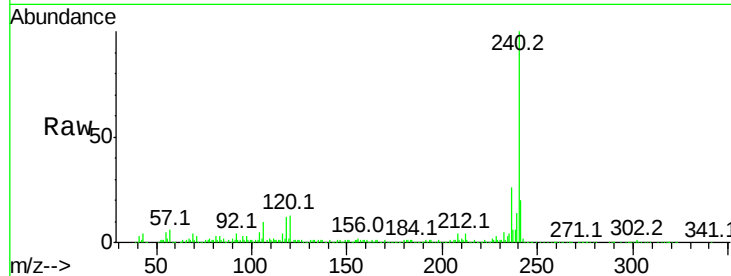
Tot Ion:240 Resp: 298937

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

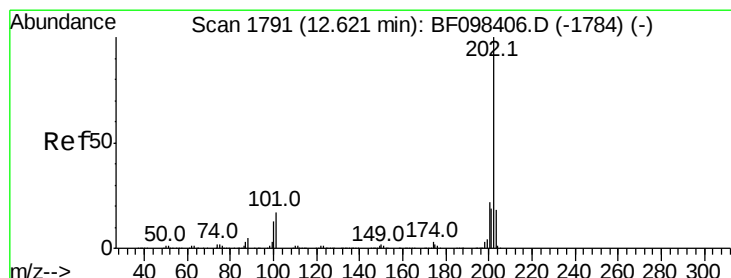
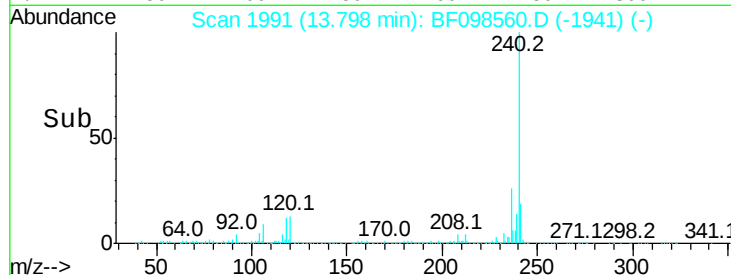
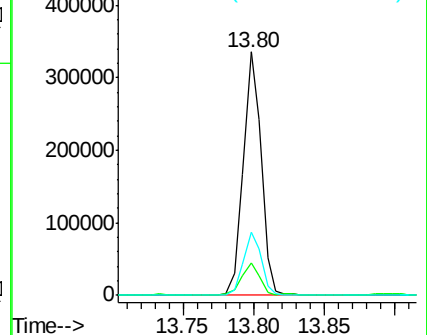
236 26.2 20.5 30.7



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

Pyrene

Concen: 2.966 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

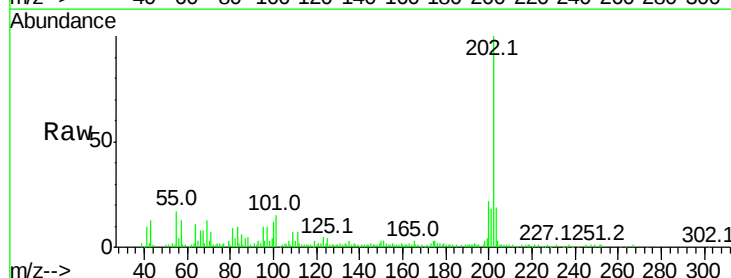
Tgt Ion:202 Resp: 69933

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

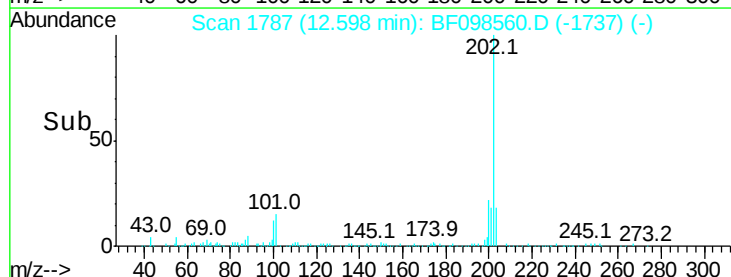
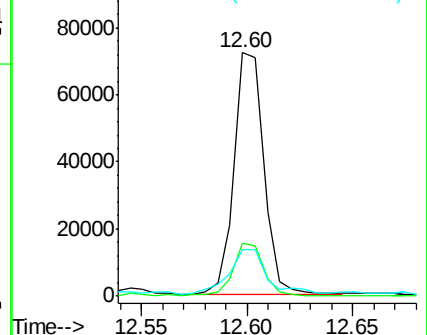
203 19.3 14.4 21.6

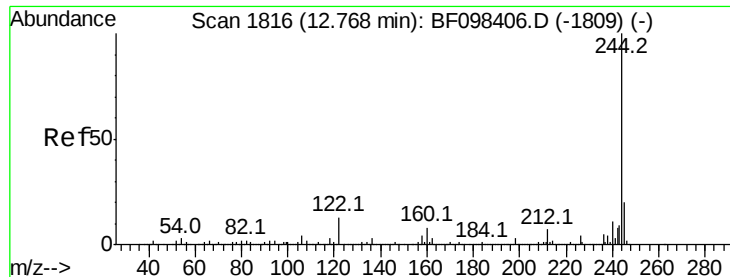


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.892 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :

BNA_F

ClientSampleId :

RL-15-17.5-35

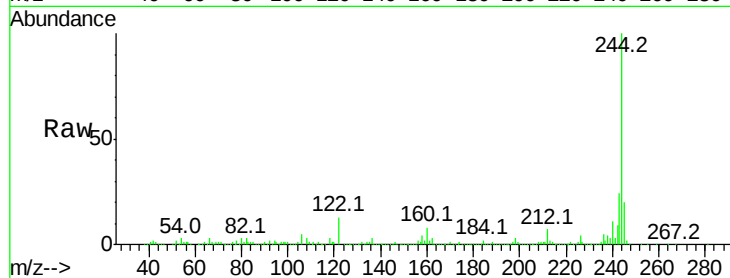
Tot Ion:244 Resp: 1092623

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

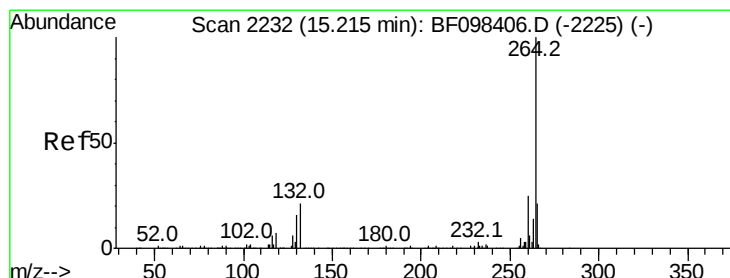
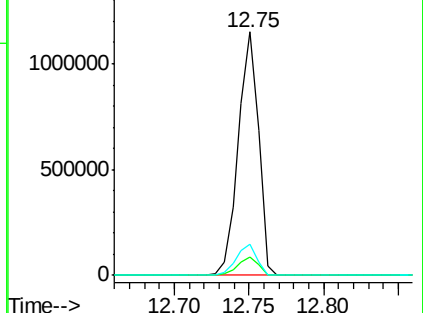
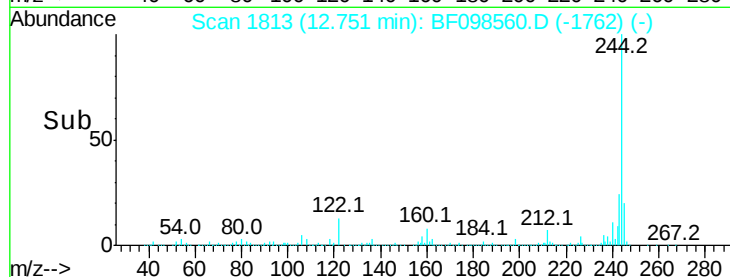
122 13.0 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.00 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

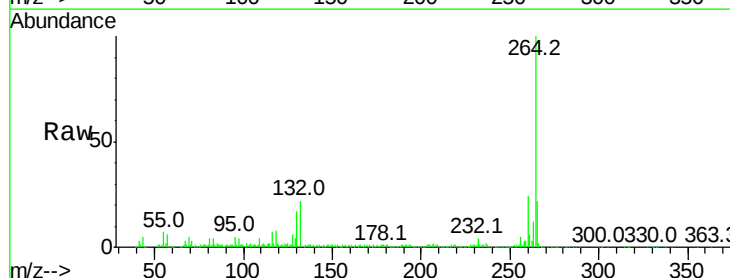
Tgt Ion:264 Resp: 277778

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

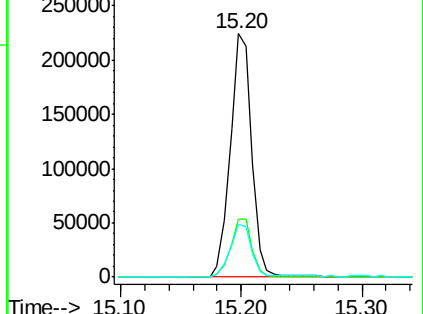
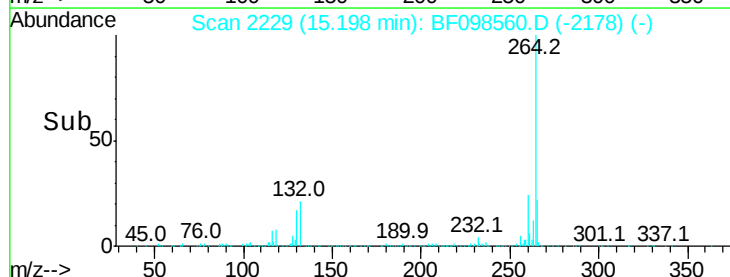
265 22.0 17.2 25.8

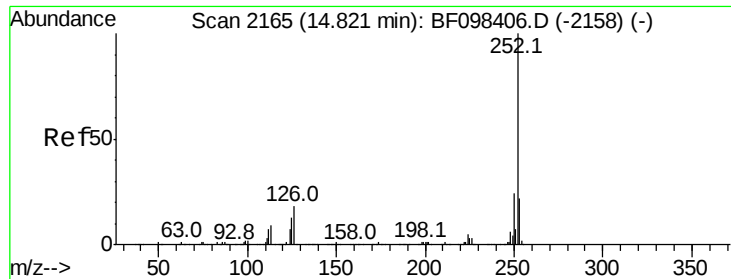


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.818 ng

RT: 14.81 min Scan# 2163

Delta R.T. 0.00 min

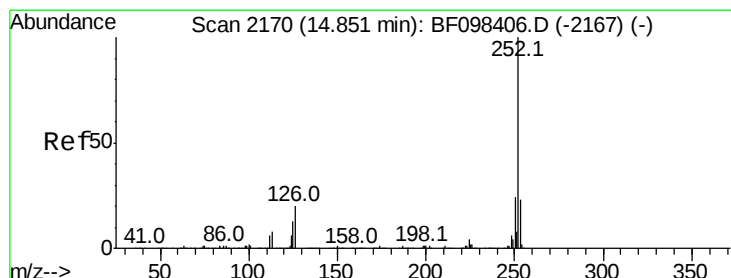
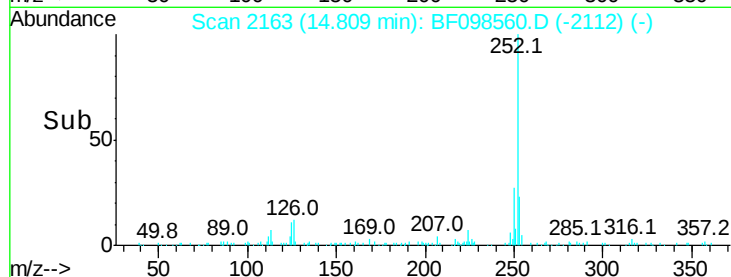
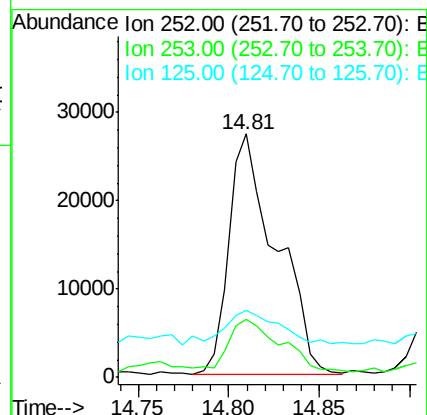
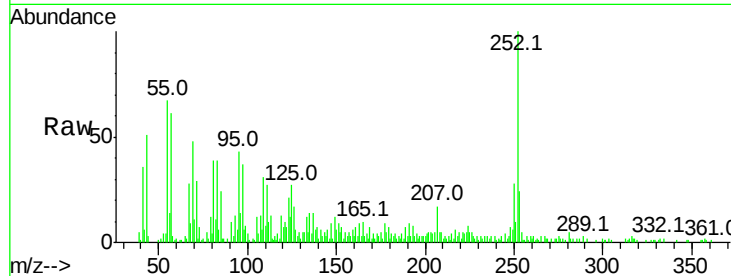
Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Instrument :
BNA_F
ClientSampleId :
RL-15-17.5-35

Tot Ion:252 Resp: 49226

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	27.5	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 3.019 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.03 min

Lab File: BF098560.D

Acq: 15 Sep 2017 10:55

Tgt Ion:252 Resp: 49226

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	27.5	13.1	19.7#

