

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098564.D
 Acq On : 15 Sep 2017 12:47
 Operator : SJ/JU
 Sample : I5188-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-17.25-34.5

Quant Time: Sep 15 13:25:07 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	128650	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	531943	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	236166	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	399842	20.00	ng	0.00
75) Chrysene-d12	13.80	240	264426	20.00	ng	0.00
86) Perylene-d12	15.20	264	271481	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	879321	101.06	ng	0.01
7) Phenol-d6	6.30	99	1116511	101.06	ng	0.00
23) Nitrobenzene-d5	7.22	82	678602	71.12	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	166588	105.69	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1185500	85.08	ng	0.00
78) Terphenyl-d14	12.74	244	832976	67.99	ng	0.00

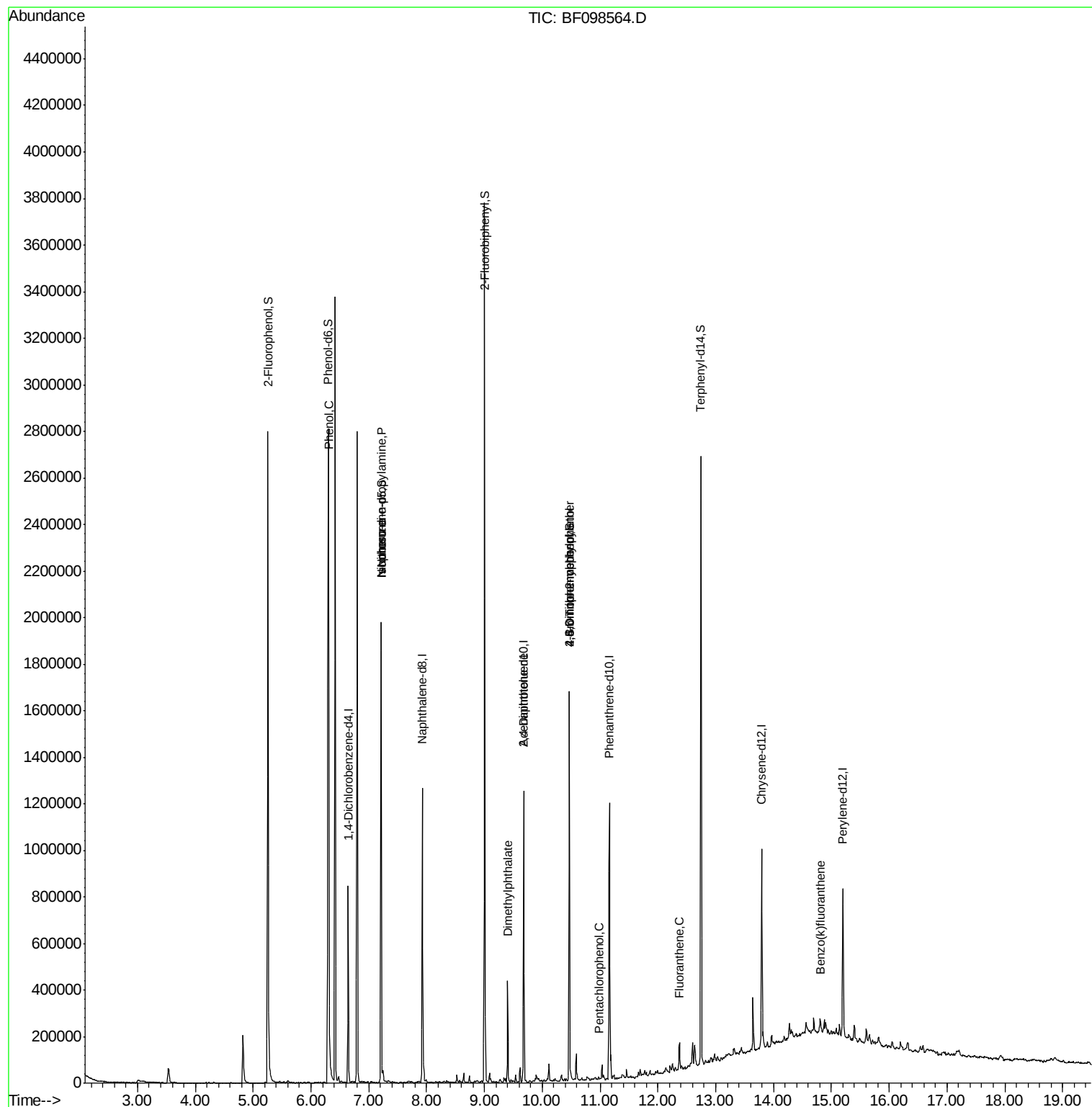
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	28633	2.231	ng	# 66
19) n-Nitroso-di-n-propylamine	7.22	70	91828	13.214	ng	# 78
25) Isophorone	7.22	82	678597	35.151	ng	# 67
49) Dimethylphthalate	9.40	163	157304	8.605	ng	# 99
56) 2,4-Dinitrotoluene	9.68	165	31219	6.838	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	380	5.103	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	12449	3.280	ng	# 1
69) Pentachlorophenol	10.99	266	129	7.008	ng	# 1
74) Fluoranthene	12.37	202	45468	2.143	ng	# 97
88) Benzo(k)fluoranthene	14.81	252	33930	2.129	ng	# 93

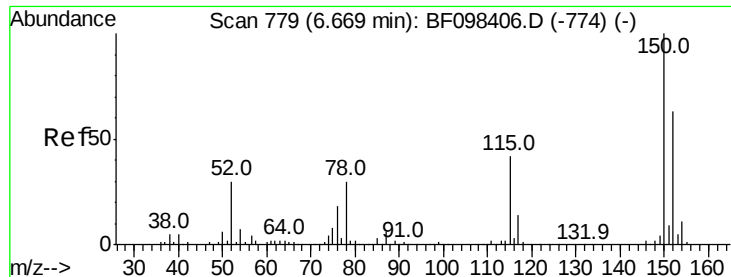
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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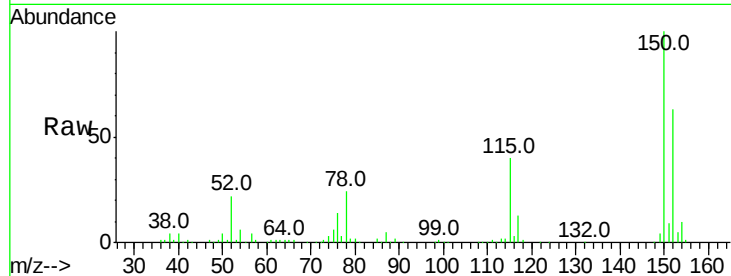


#1

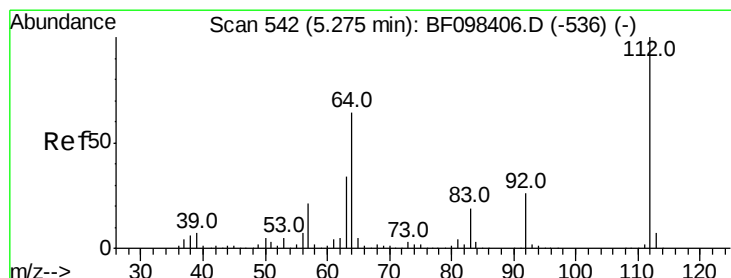
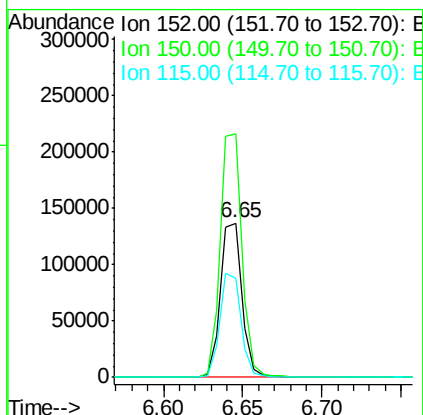
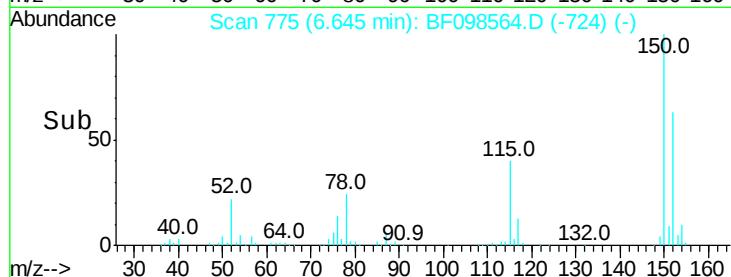
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF098564.D
 Acq: 15 Sep 2017 12:47

Instrument :
 BNA_F
 ClientSampleId :
 RL-2-17.25-34.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	63.9	52.2	78.2



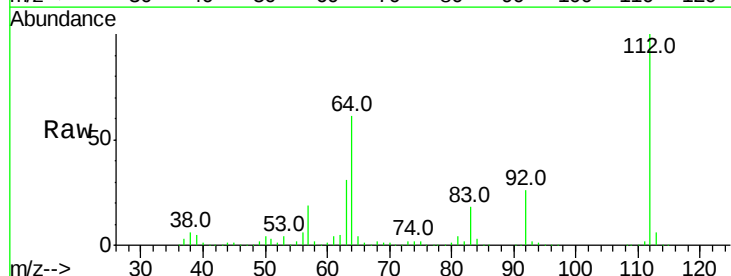
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



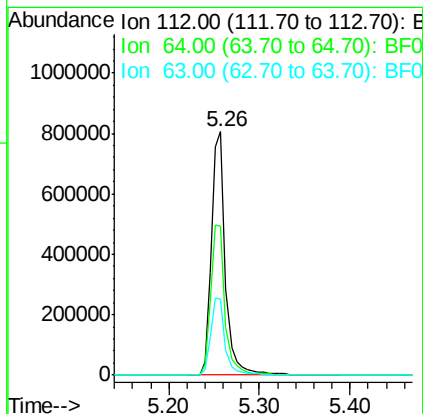
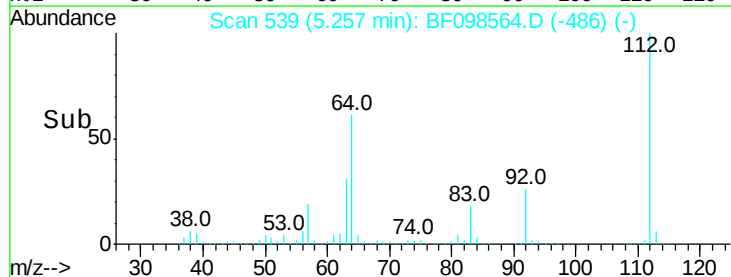
#5

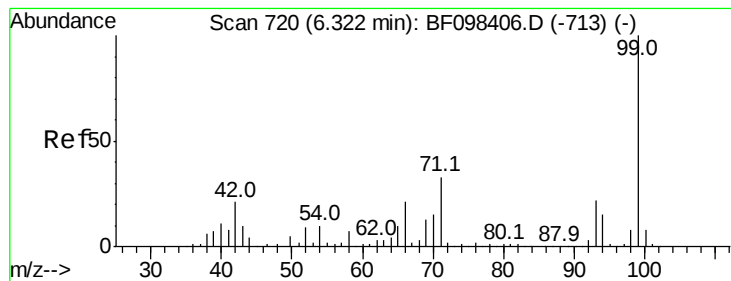
2-Fluorophenol
 Concen: 101.057 ng
 RT: 5.26 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF098564.D
 Acq: 15 Sep 2017 12:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	46.0	69.0
63	31.4	23.4	35.0



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





#7

Phenol-d6

Concen: 101.063 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

RL-2-17.25-34.5

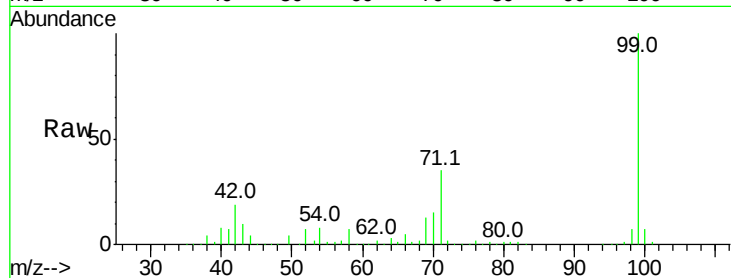
Tot Ion: 99 Resp: 1116511

Ion Ratio Lower Upper

99 100

42 19.3 13.5 20.3

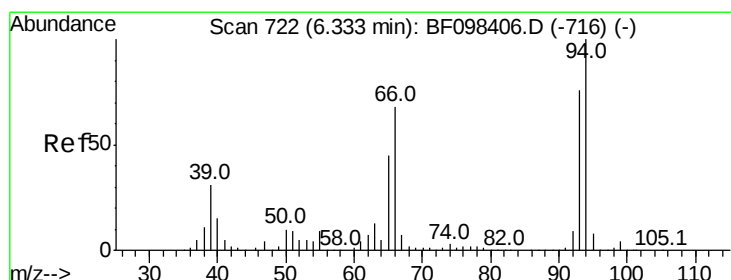
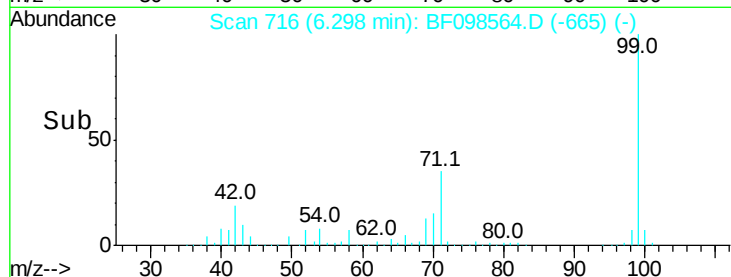
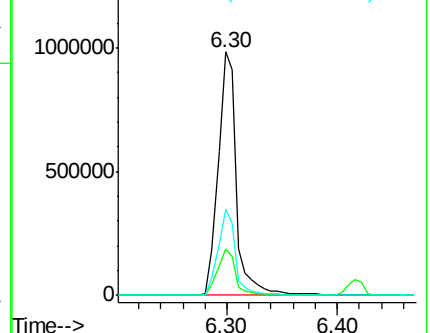
71 35.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.231 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

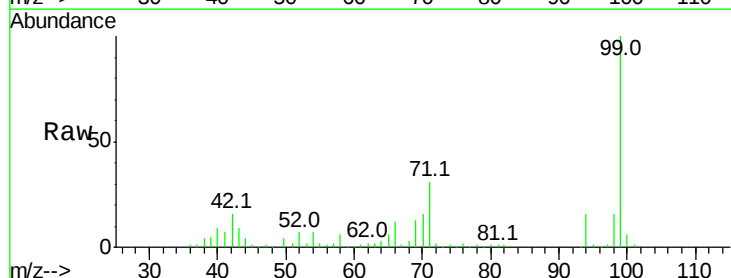
Tgt Ion: 94 Resp: 28633

Ion Ratio Lower Upper

94 100

65 38.5 9.9 49.9

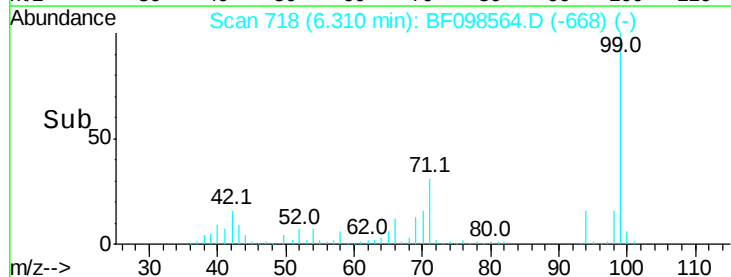
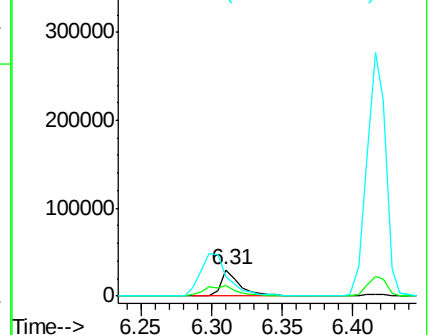
66 72.5 23.1 63.1#

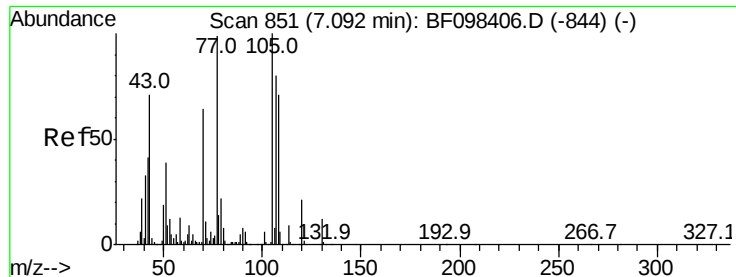


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.214 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

RL-2-17.25-34.5

Tot Ion: 70 Resp: 91828

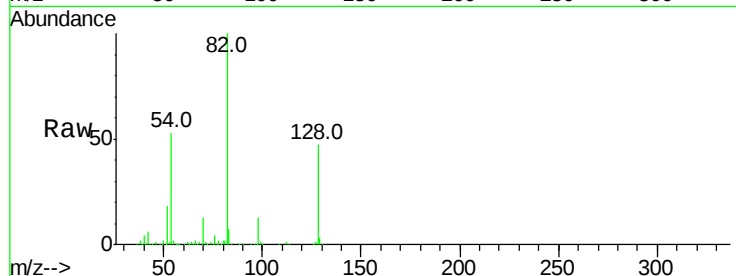
Ion Ratio Lower Upper

70 100

42 47.4 47.2 70.8

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

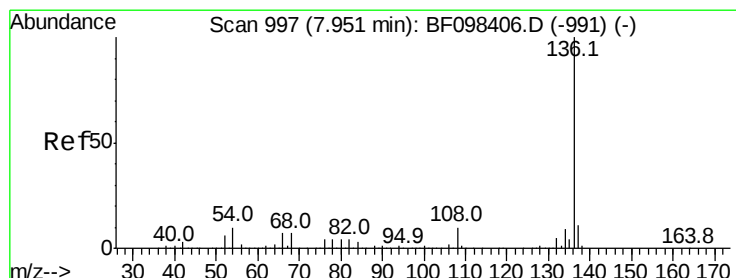
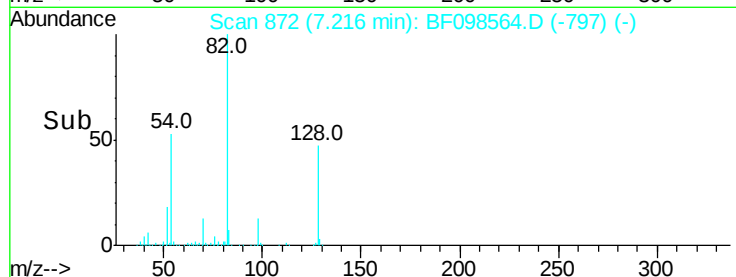
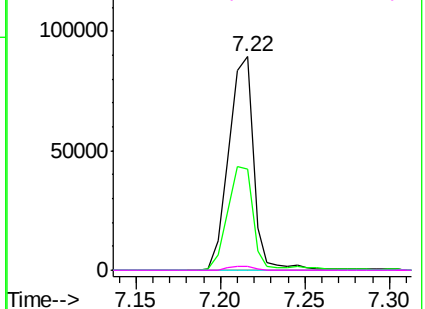


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

Tgt Ion:136 Resp: 531943

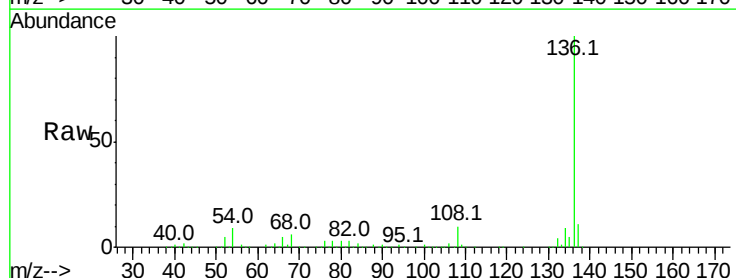
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.8 4.9 7.3#

68 5.9 4.1 6.1

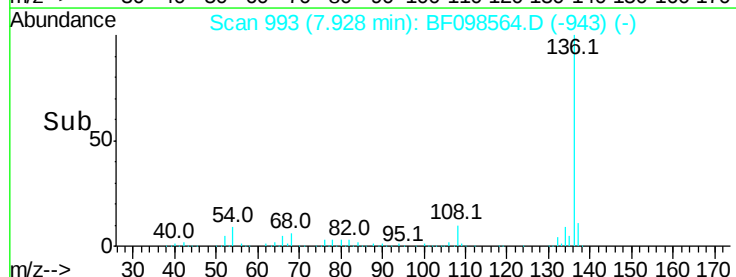
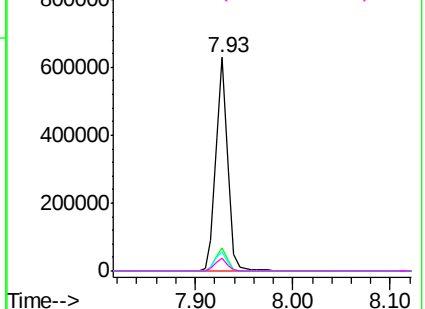


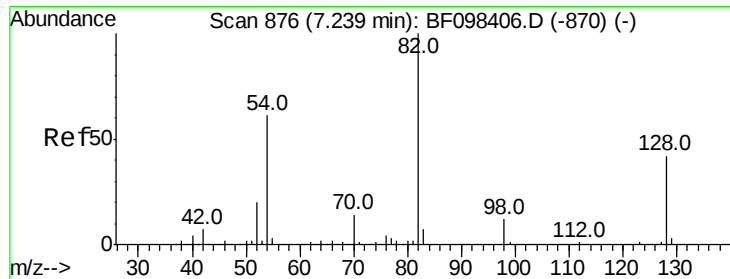
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

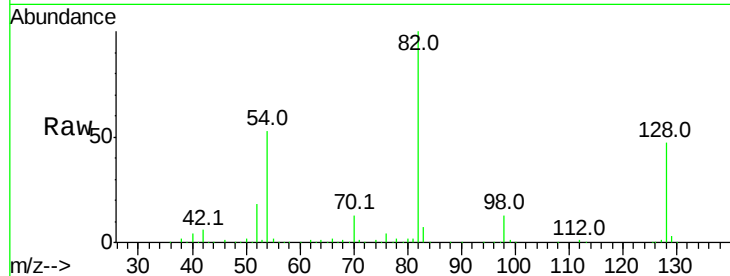




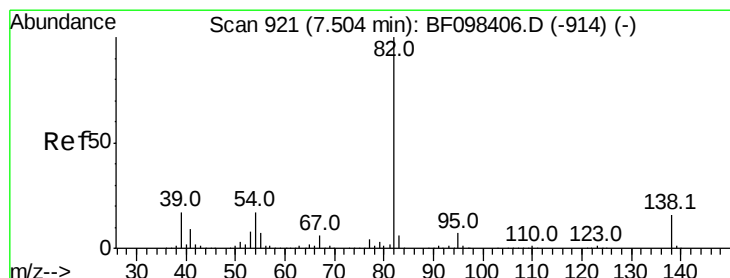
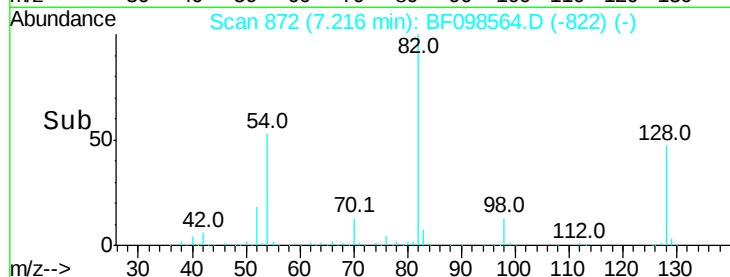
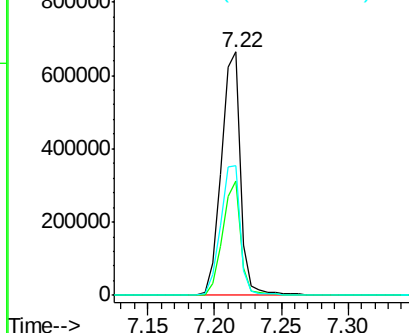
#23
Nitrobenzene-d5
Concen: 71.120 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF098564.D
Acq: 15 Sep 2017 12:47

Instrument :
BNA_F
ClientSampleId :
RL-2-17.25-34.5

Tot Ion: 82 Resp: 678602
Ion Ratio Lower Upper
82 100
128 46.9 34.0 51.0
54 53.3 42.2 63.2

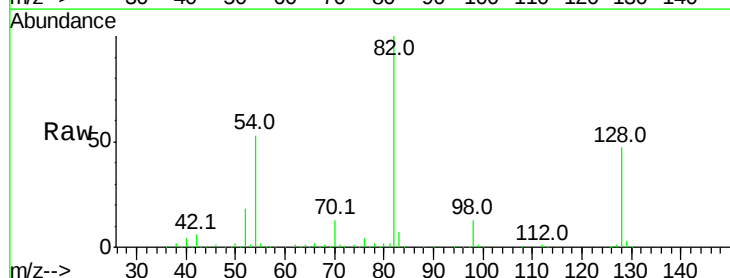


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

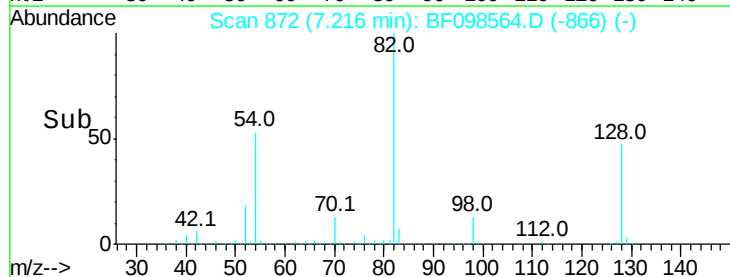
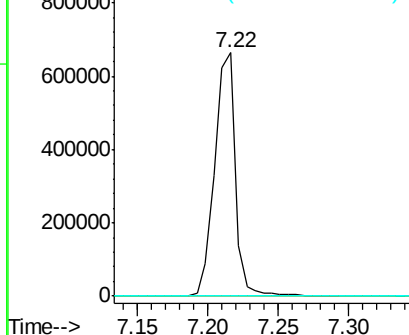


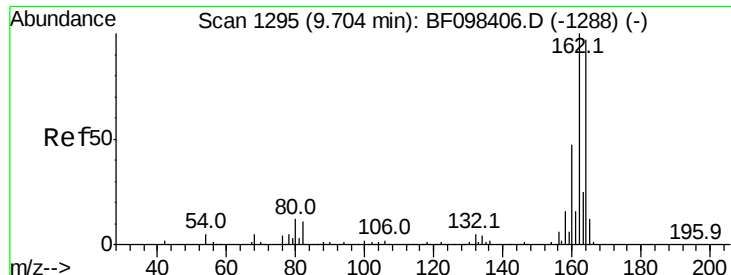
#25
Isophorone
Concen: 35.151 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.26 min
Lab File: BF098564.D
Acq: 15 Sep 2017 12:47

Tgt Ion: 82 Resp: 678597
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: BF098564.D

Acq: 15 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

RL-2-17.25-34.5

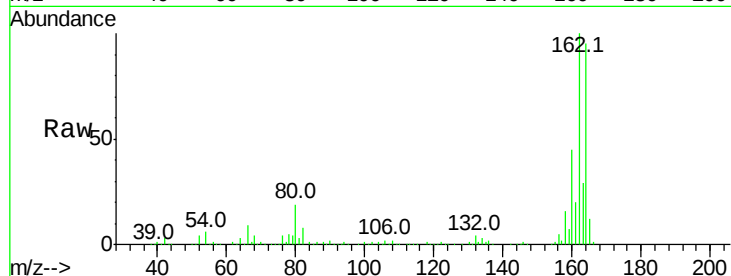
Tot Ion:164 Resp: 236166

Ion Ratio Lower Upper

164 100

162 105.8 82.6 123.8

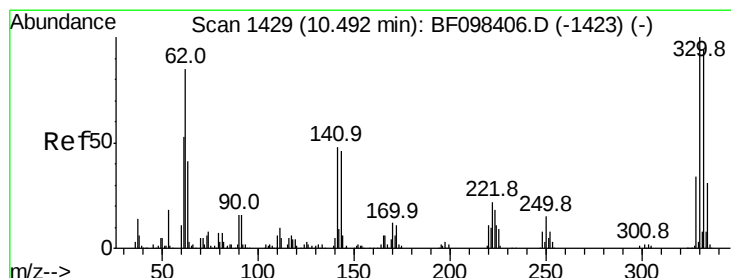
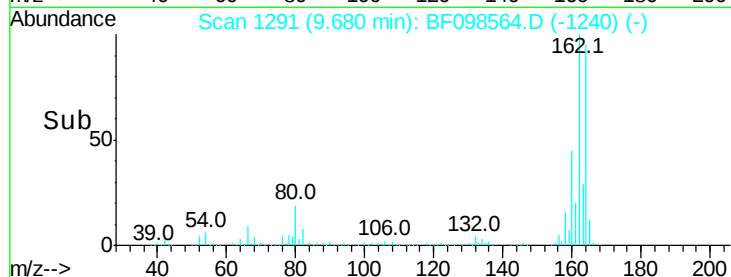
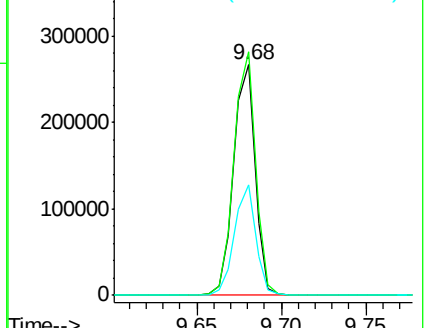
160 48.1 36.2 54.2



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: 105.689 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

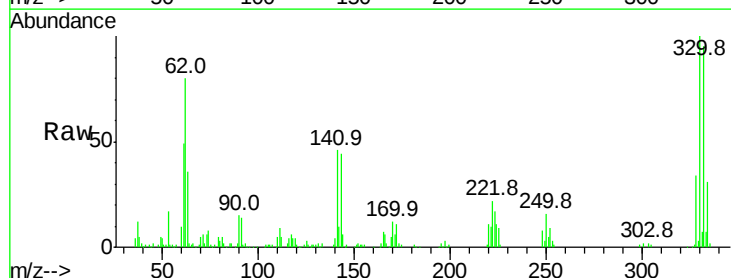
Tgt Ion:330 Resp: 166588

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

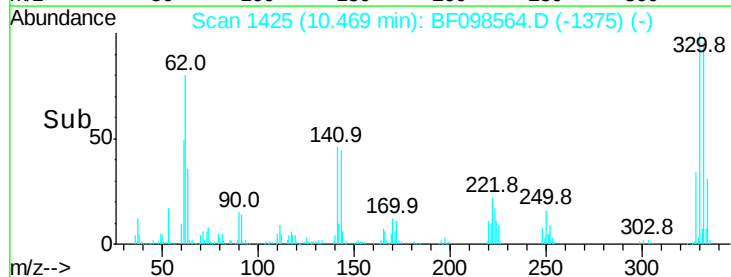
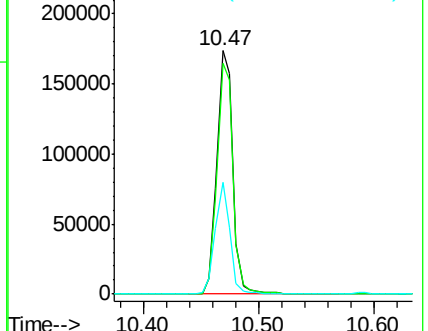
141 42.6 31.4 47.2

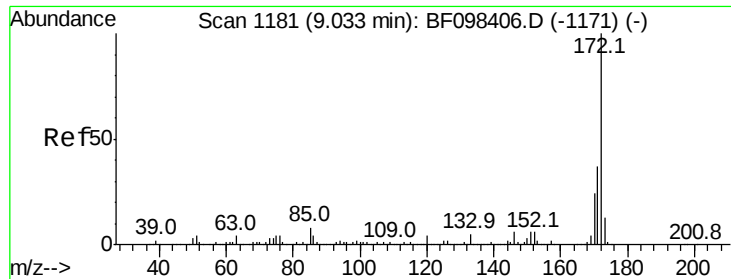


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

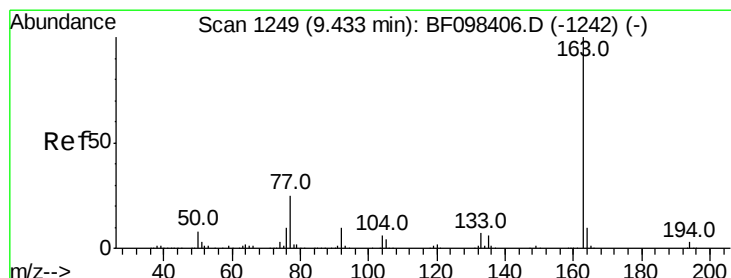
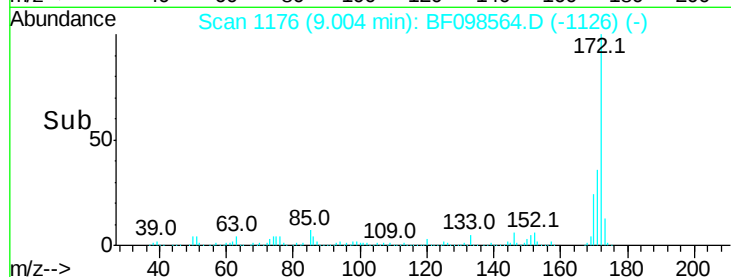
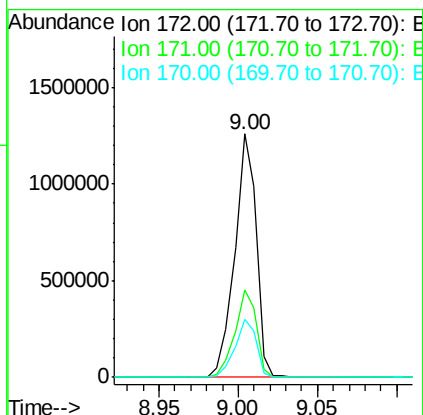
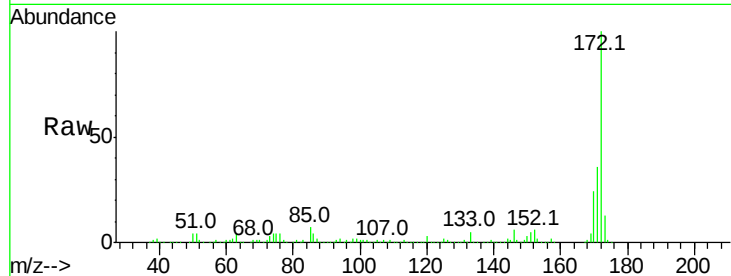




#44
2-Fluorobiphenyl
Concen: 85.081 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF098564.D
Acq: 15 Sep 2017 12:47

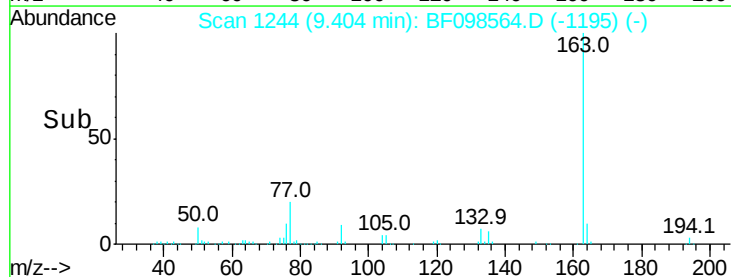
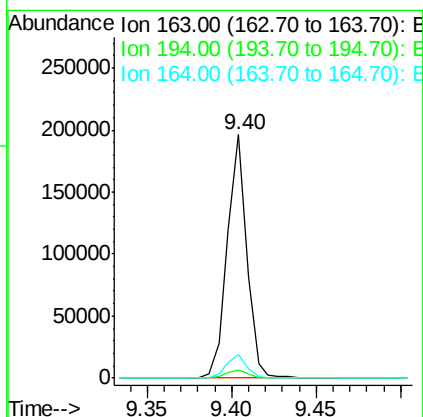
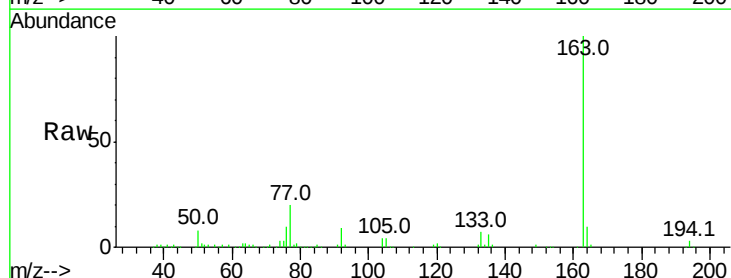
Instrument :
BNA_F
ClientSampleId :
RL-2-17.25-34.5

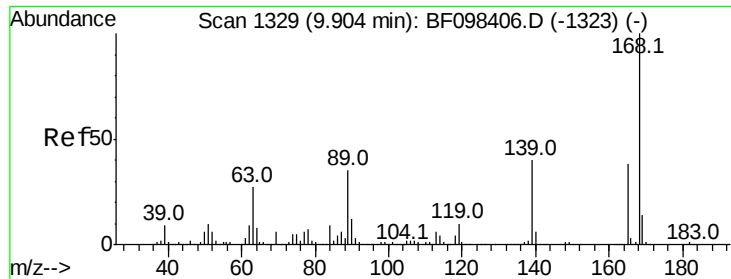
Tot Ion:172 Resp: 1185500
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 8.605 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF098564.D
Acq: 15 Sep 2017 12:47

Tgt Ion:163 Resp: 157304
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.4 12.6

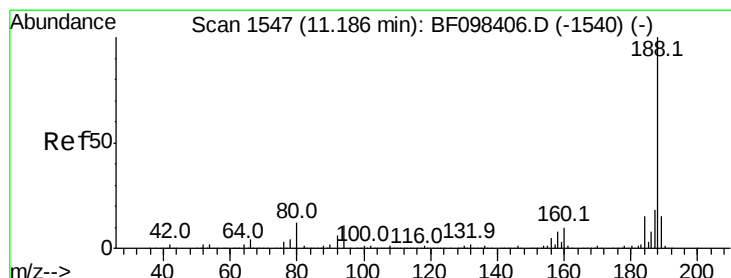
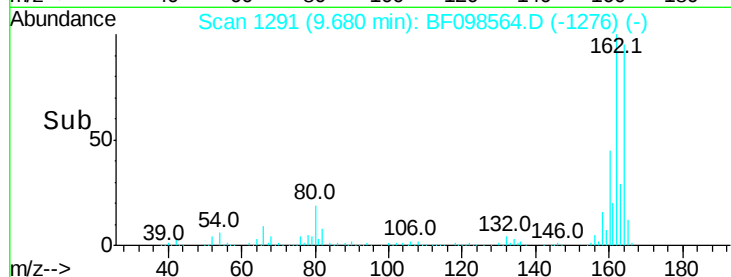
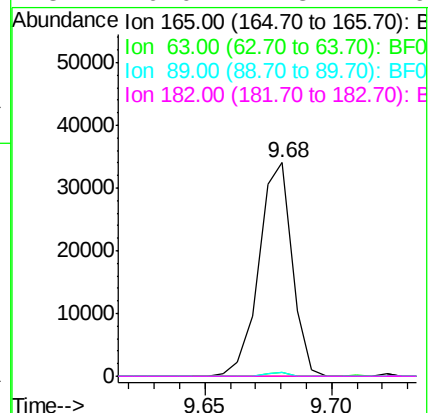
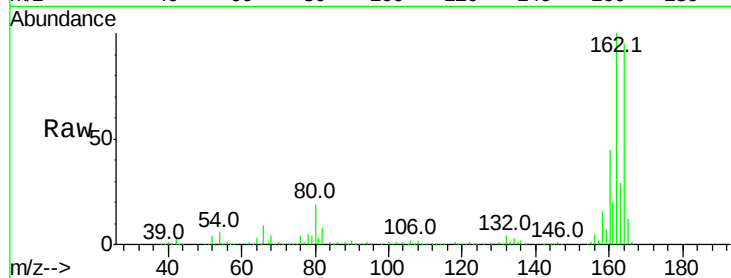




#56
 2,4-Dinitrotoluene
 Concen: 6.838 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.21 min
 Lab File: BF098564.D
 Acq: 15 Sep 2017 12:47

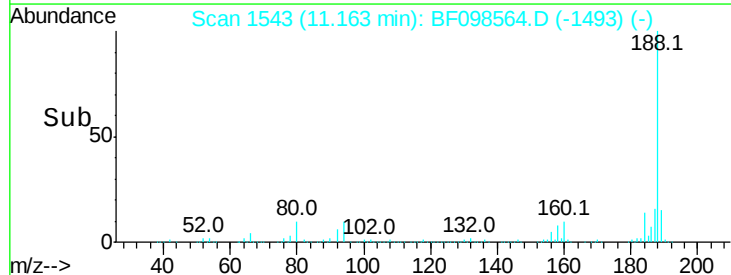
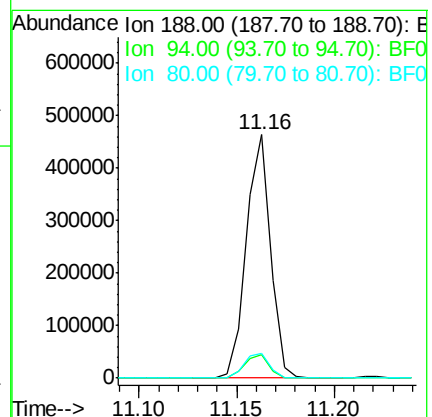
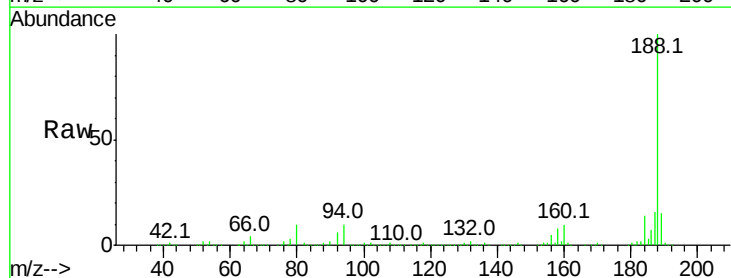
Instrument :
 BNA_F
 ClientSampleId :
 RL-2-17.25-34.5

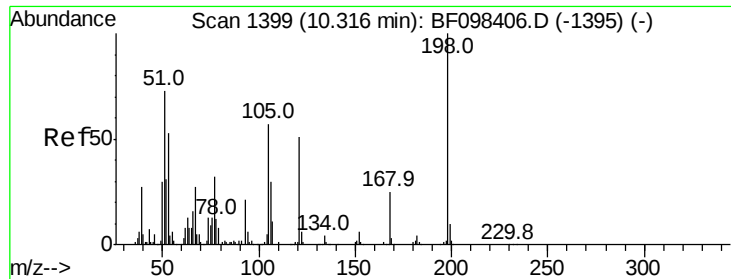
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF098564.D
 Acq: 15 Sep 2017 12:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	10.4	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 5.103 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.17 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

RL-2-17.25-34.5

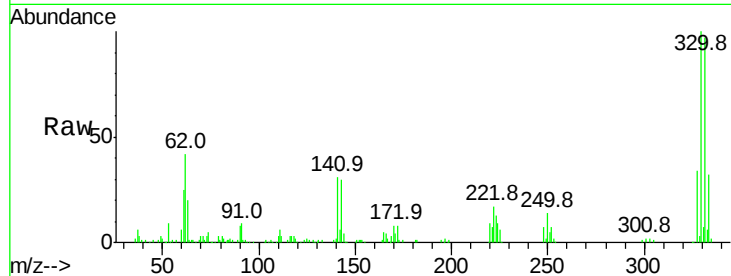
Tot Ion:198 Resp: 380

Ion Ratio Lower Upper

198 100

51 155.5 53.2 93.2#

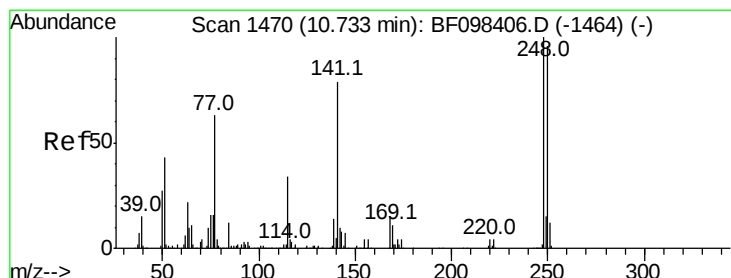
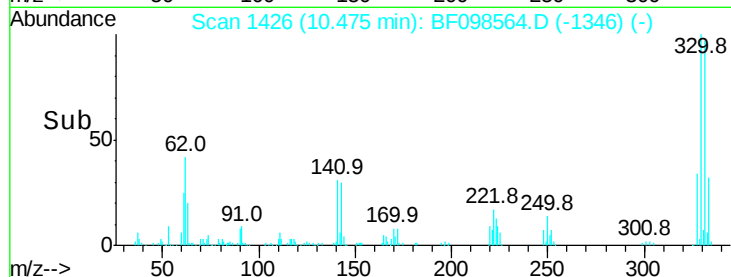
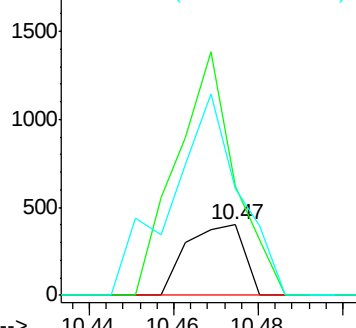
105 151.0 45.8 85.8#



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: 3.280 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.24 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

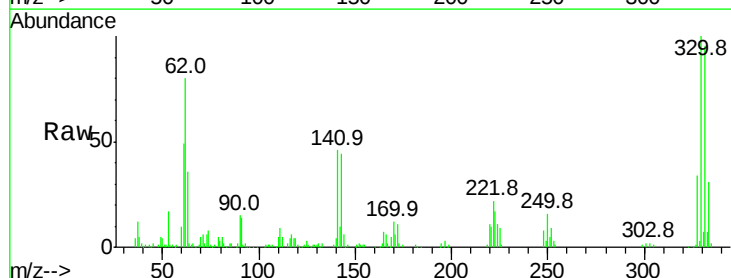
Tgt Ion:248 Resp: 12449

Ion Ratio Lower Upper

248 100

250 202.6 76.8 115.2#

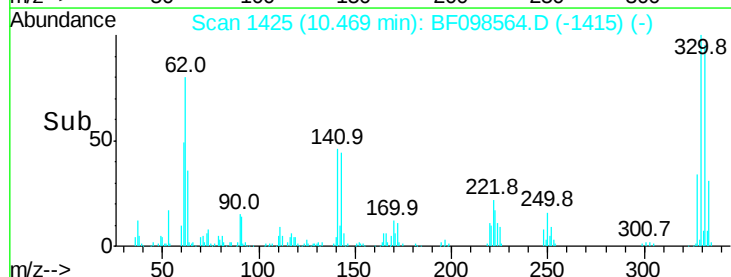
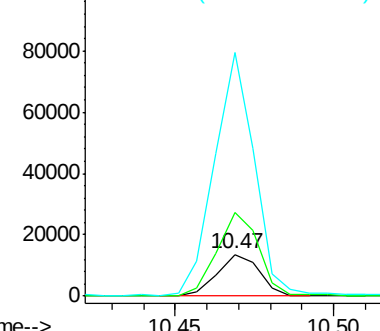
141 586.2 68.6 103.0#

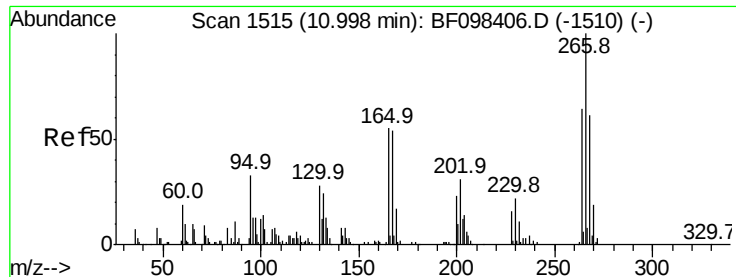


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

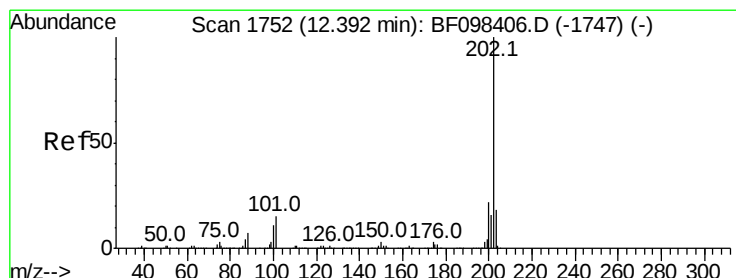
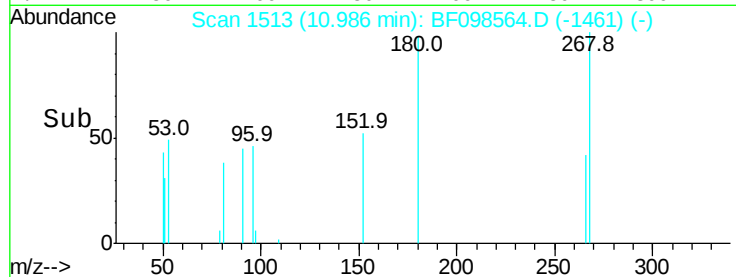
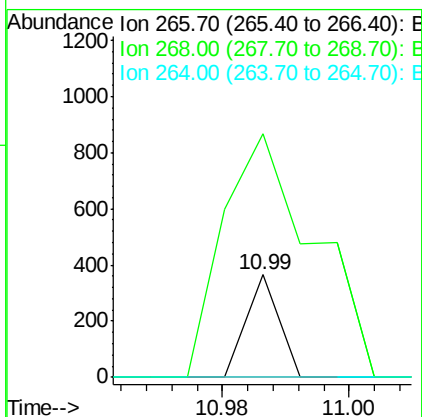
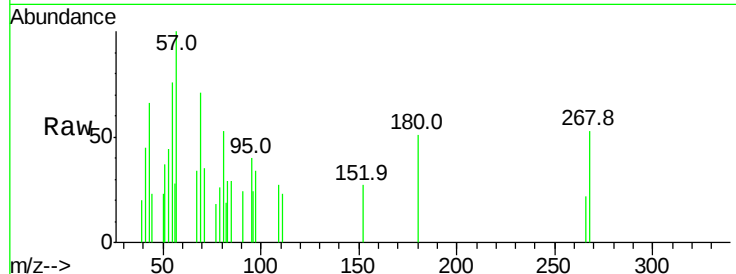




#69
 Pentachlorophenol
 Concen: 7.008 ng
 RT: 10.99 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: BF098564.D
 Acq: 15 Sep 2017 12:47

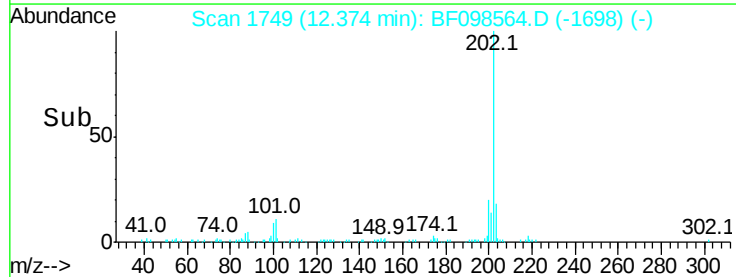
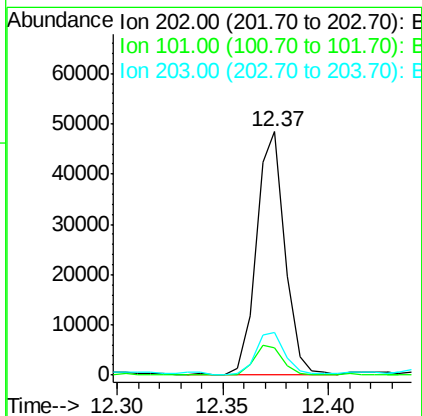
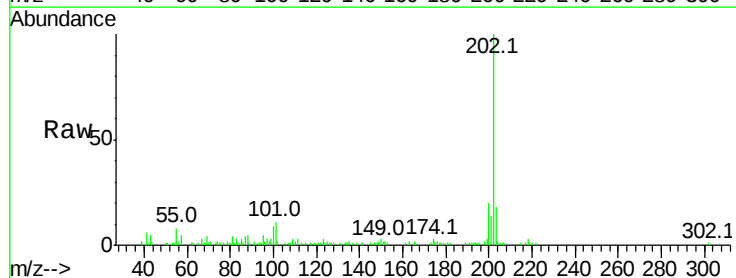
Instrument :
 BNA_F
 ClientSampleId :
 RL-2-17.25-34.5

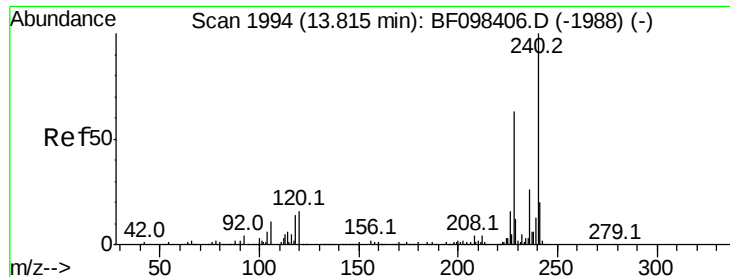
Tot Ion	Ratio	Lower	Upper
266	100		
268	236.9	51.1	76.7#
264	0.0	51.7	77.5#



#74
 Fluoranthene
 Concen: 2.143 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: BF098564.D
 Acq: 15 Sep 2017 12:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	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: BF098564.D

Acq: 15 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

RL-2-17.25-34.5

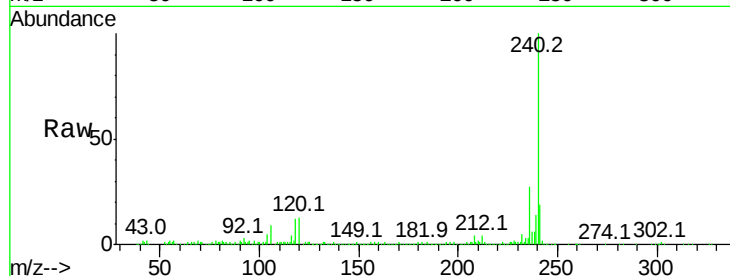
Tot Ion:240 Resp: 264426

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

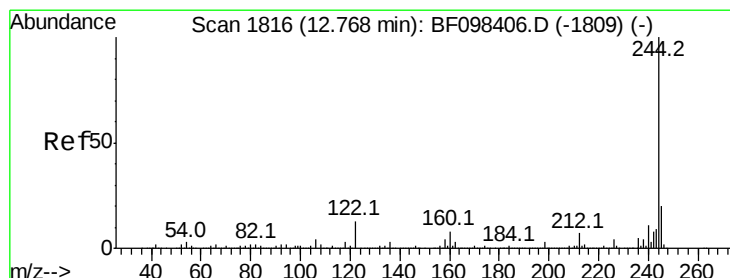
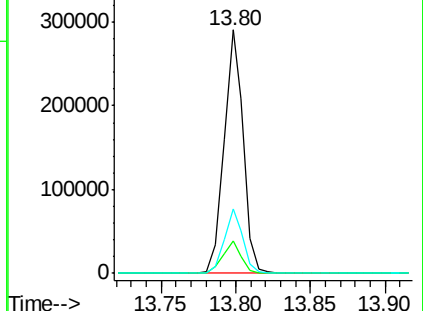
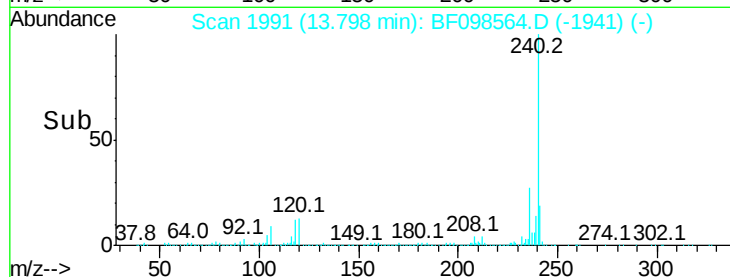
236 26.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 67.994 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF098564.D

Acq: 15 Sep 2017 12:47

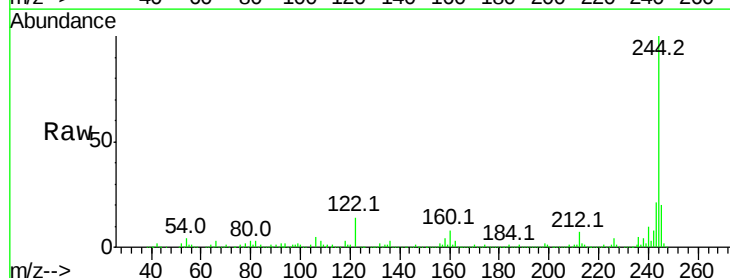
Tgt Ion:244 Resp: 832976

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

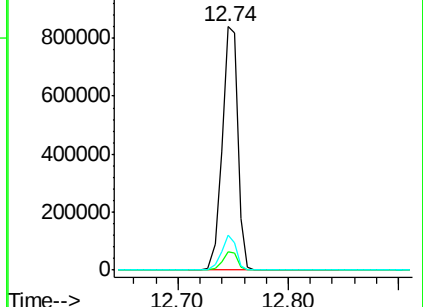
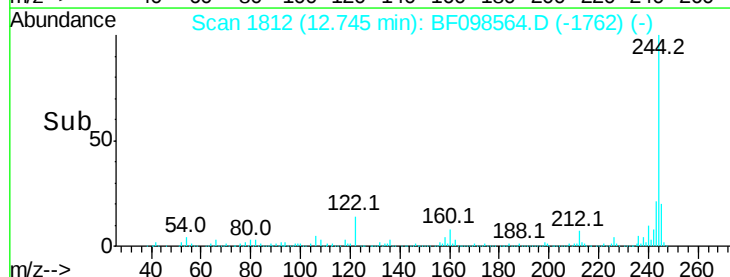
122 14.2 10.3 15.5

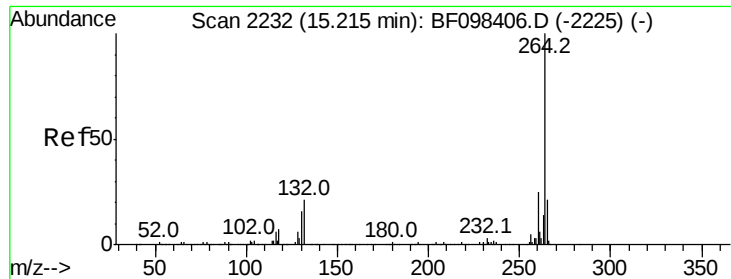


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



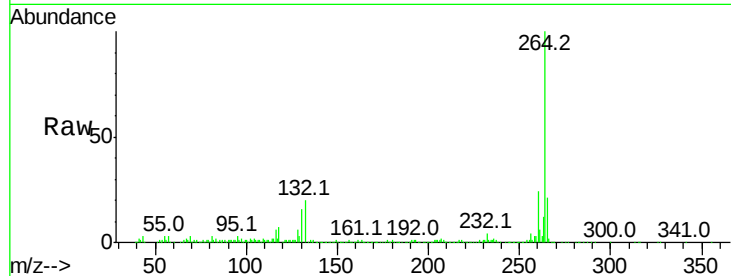


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.00 min
Lab File: BF098564.D
Acq: 15 Sep 2017 12:47

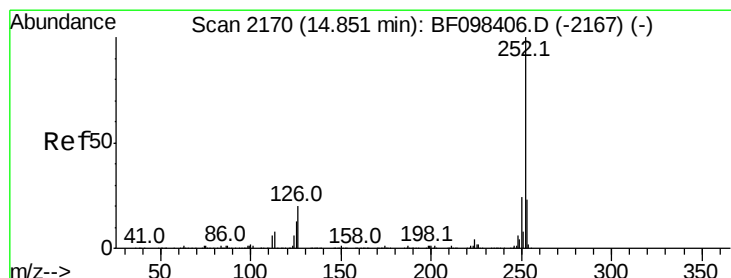
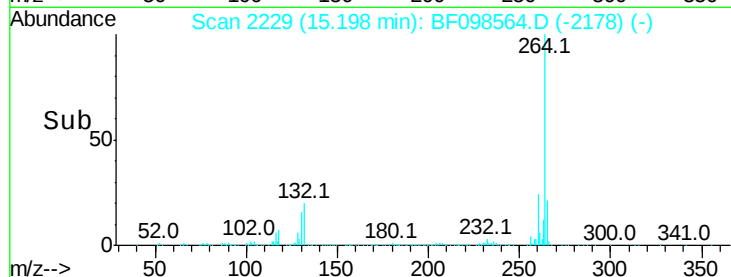
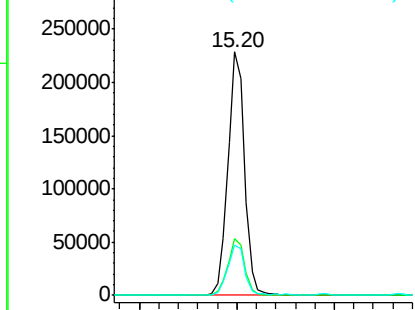
Instrument :
BNA_F
ClientSampleId :
RL-2-17.25-34.5

Tot Ion:264 Resp: 271481

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	20.9	17.2	25.8



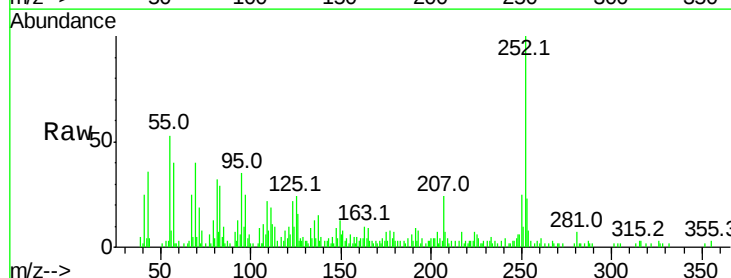
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(k)fluoranthene
Concen: 2.129 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.03 min
Lab File: BF098564.D
Acq: 15 Sep 2017 12:47

Tgt Ion:252 Resp: 33930

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	23.6	13.1	19.7#



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

