

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098391.D
 Acq On : 9 Sep 2017 17:43
 Operator : SJ/JU
 Sample : I5133-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 04:13:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	114177	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	439693	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	186585	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	297605	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	223114	20.00	ng	-0.04
86) Perylene-d12	15.23	264	218046	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	406778	54.19	ng	-0.02
7) Phenol-d6	6.33	99	567450	55.64	ng	-0.02
23) Nitrobenzene-d5	7.24	82	330436	40.83	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	87276	53.91	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	524834	41.33	ng	-0.04
78) Terphenyl-d14	12.77	244	330552	30.90	ng	-0.04

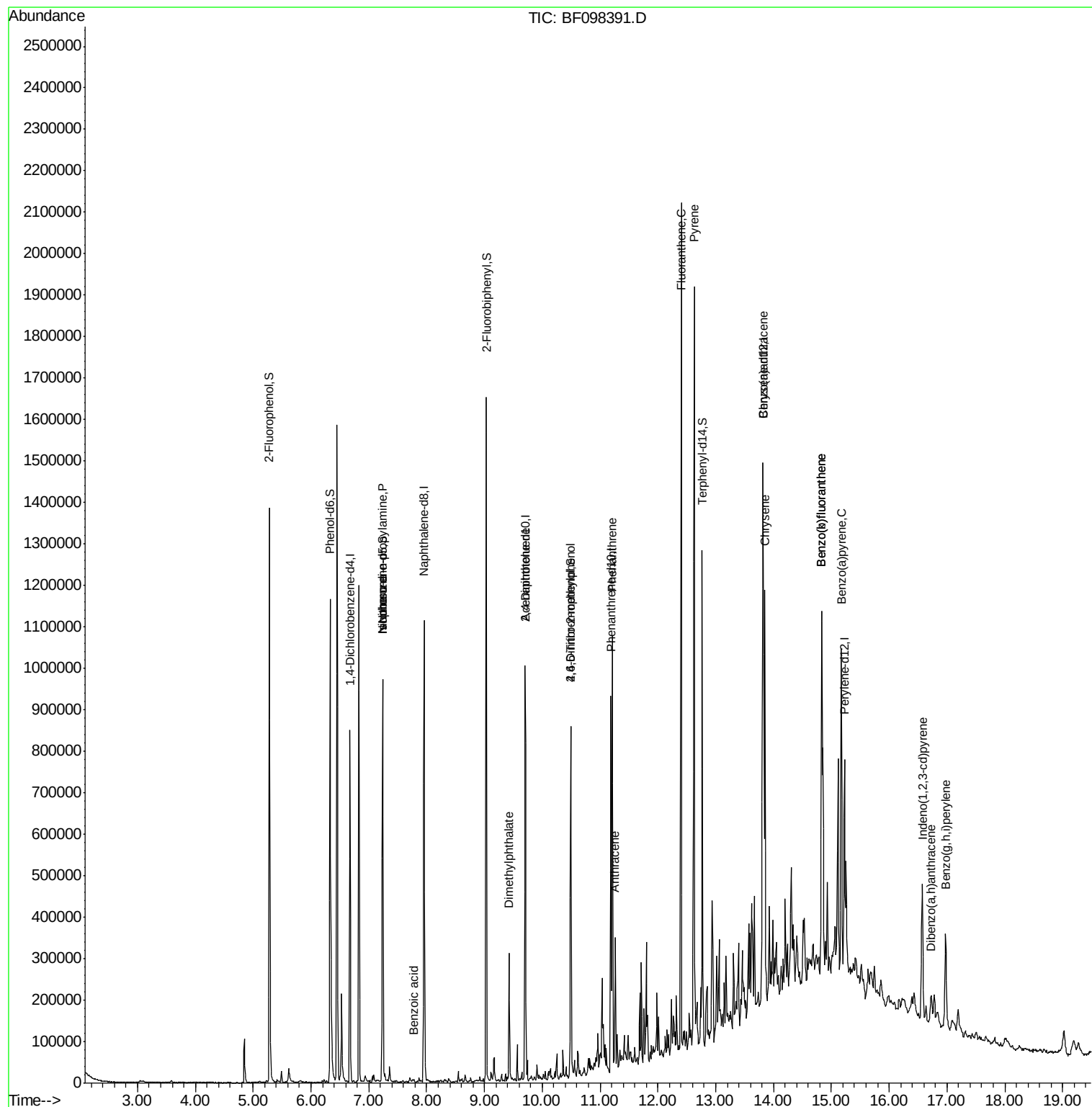
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.24	70	42390	6.072	ng	# 70
25) Isophorone	7.24	82	327992	19.489	ng	# 67
32) Benzoic acid	7.77	122	964	6.568	ng	# 60
49) Dimethylphthalate	9.43	163	69621	5.105	ng	# 89
56) 2,4-Dinitrotoluene	9.70	165	23885	6.991	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.49	198	109	8.385	ng	# 1
70) Phenanthrene	11.21	178	344889	21.748	ng	99
71) Anthracene	11.26	178	100957	6.277	ng	97
74) Fluoranthene	12.40	202	854400	51.617	ng	99
77) Pyrene	12.63	202	772826	42.351	ng	99
80) Benzo(a)anthracene	13.82	228	418309	31.282	ng	98
82) Chrysene	13.85	228	378668	28.467	ng	98
85) Indeno(1,2,3-cd)pyrene	16.57	276	176751	18.062	ng	# 92
87) Benzo(b)fluoranthene	14.83	252	646714	47.054	ng	98
88) Benzo(k)fluoranthene	14.83	252	646714	50.084	ng	97
89) Benzo(a)pyrene	15.17	252	355880	29.249	ng	98
90) Dibenzo(a,h)anthracene	16.73	278	38621	3.899	ng	96
91) Benzo(g,h,i)perylene	16.98	276	171595	16.602	ng	93

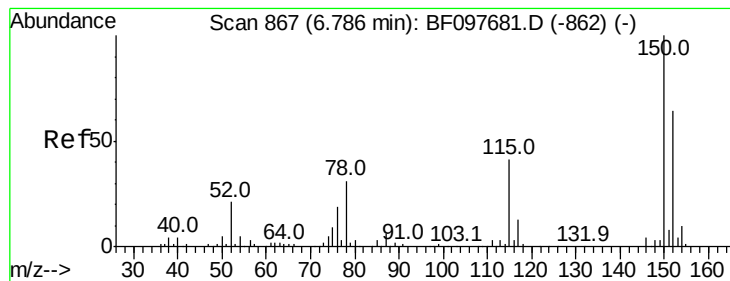
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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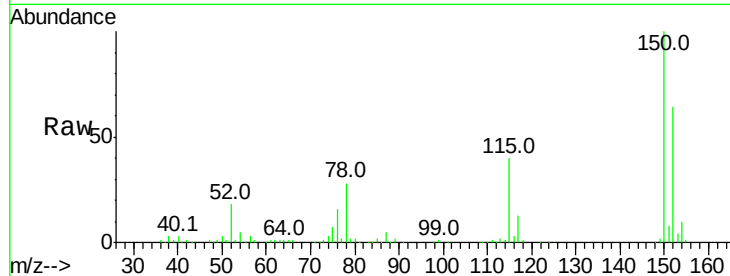


#1

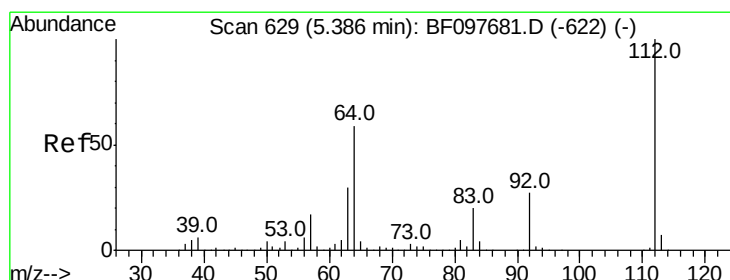
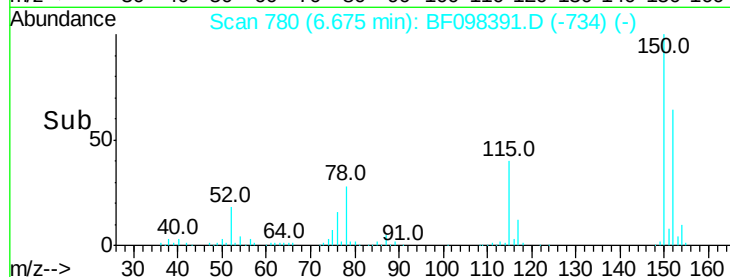
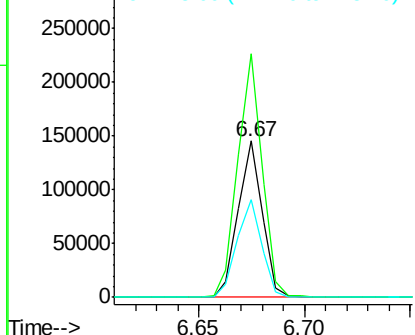
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114177
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 62.3 52.2 78.2



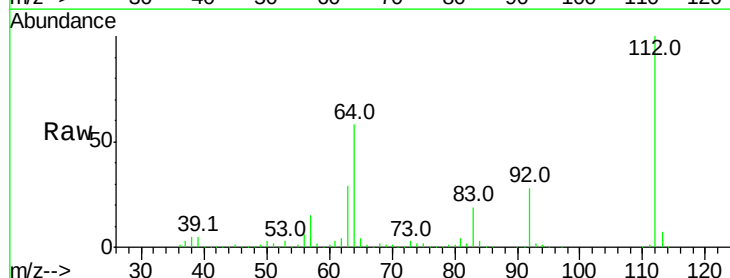
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



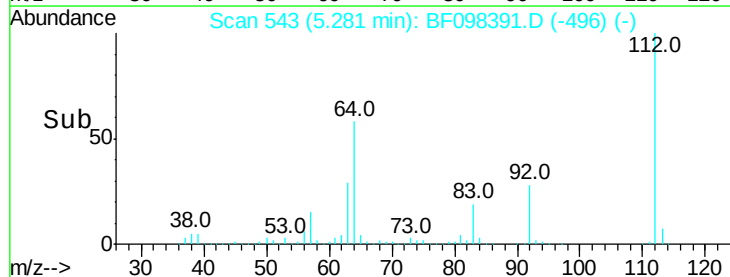
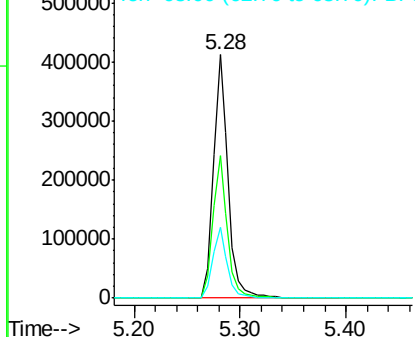
#5

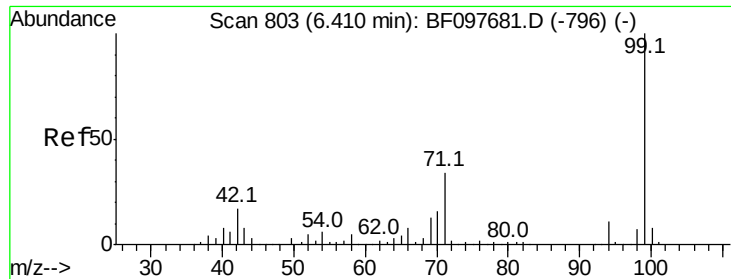
2-Fluorophenol
Concen: 54.191 ng
RT: 5.28 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion:112 Resp: 406778
Ion Ratio Lower Upper
112 100
64 58.4 46.0 69.0
63 29.1 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: 55.638 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

ClientSampleId :

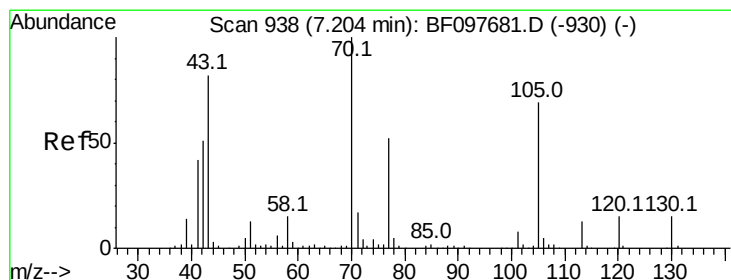
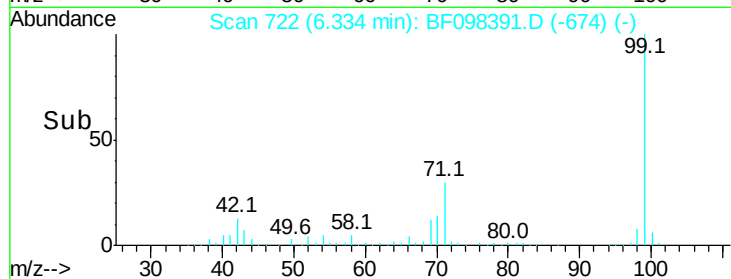
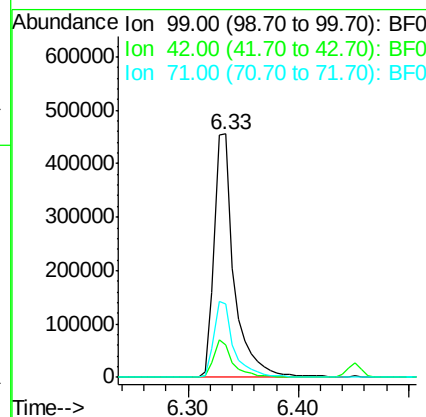
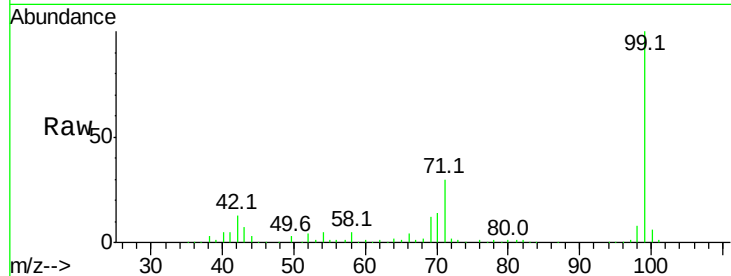
Tot Ion: 99 Resp: 567450

Ion Ratio Lower Upper

99 100

42 13.4 13.5 20.3#

71 29.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.072 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.11 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion: 70 Resp: 42390

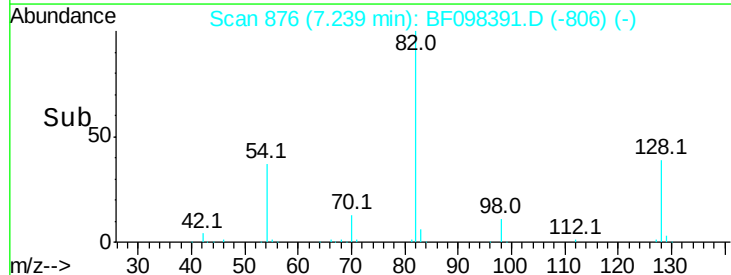
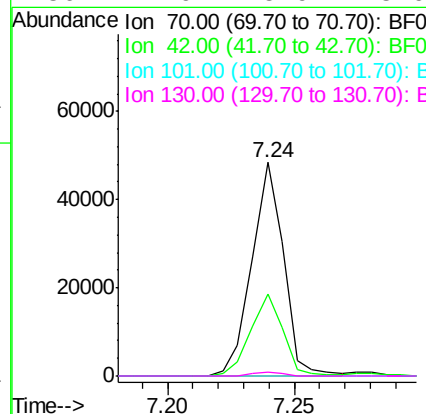
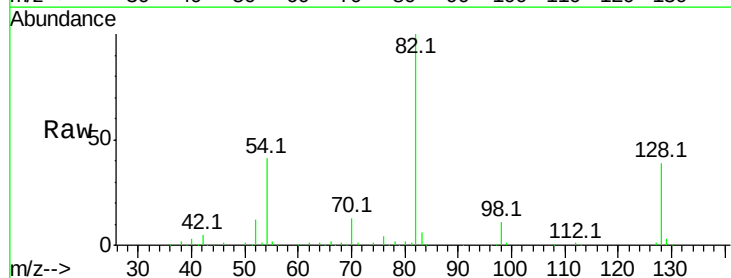
Ion Ratio Lower Upper

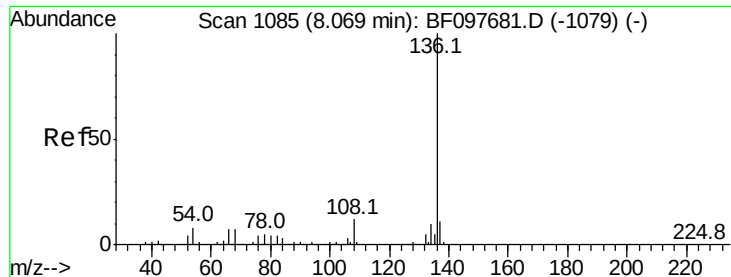
70 100

42 38.4 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

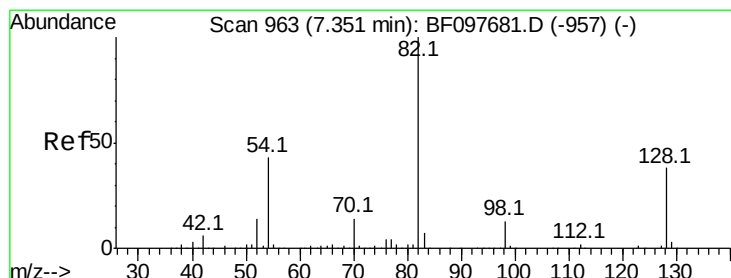
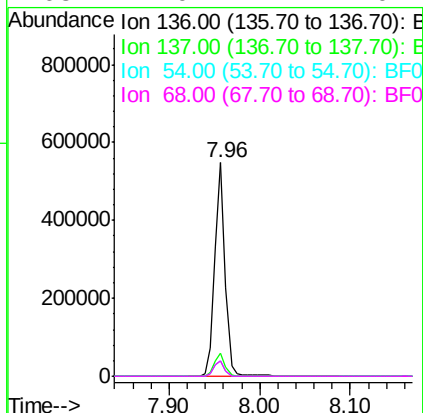
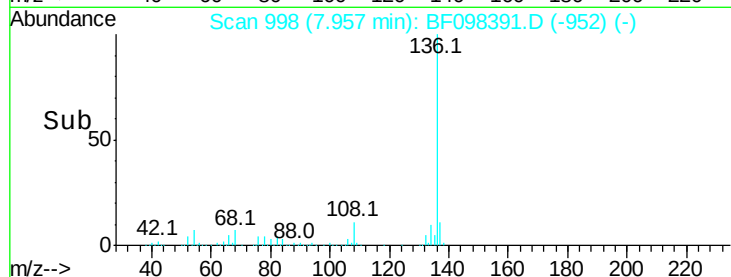
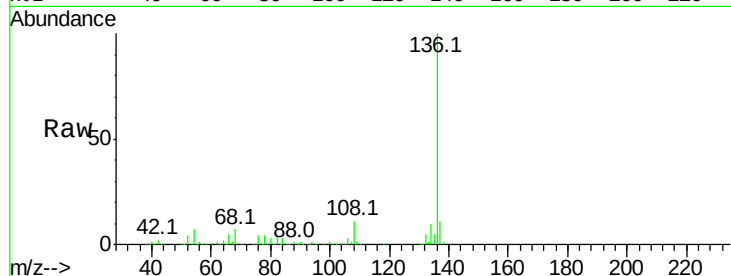




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.03 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

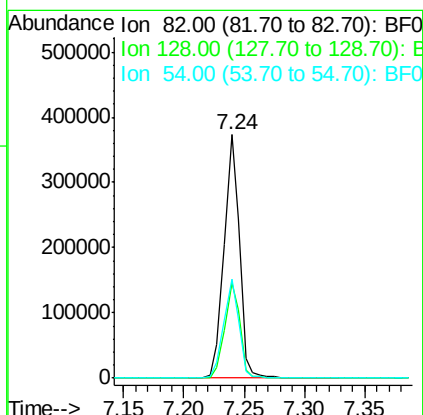
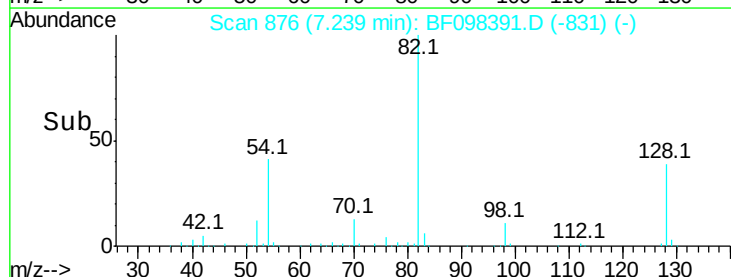
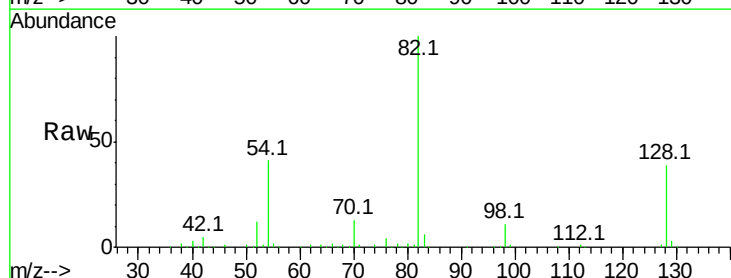
Instrument :
BNA_F
ClientSampleId :

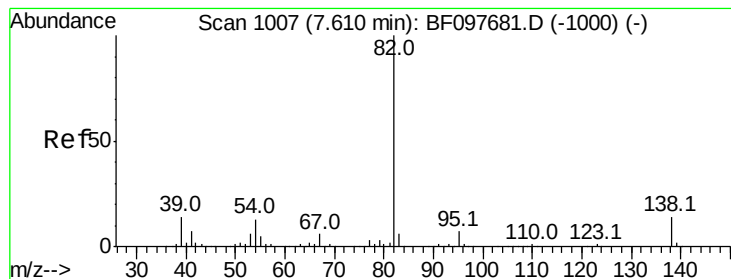
Tot Ion:136 Resp: 439693
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 6.9 4.9 7.3
68 7.0 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 40.826 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion: 82 Resp: 330436
Ion Ratio Lower Upper
82 100
128 39.2 34.0 51.0
54 40.7 42.2 63.2#





#25

Isophorone

Concen: 19.489 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.29 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

ClientSampled :

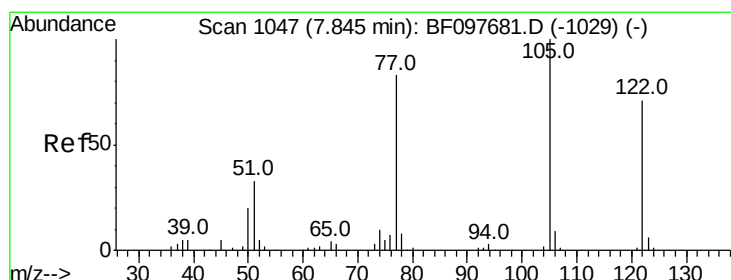
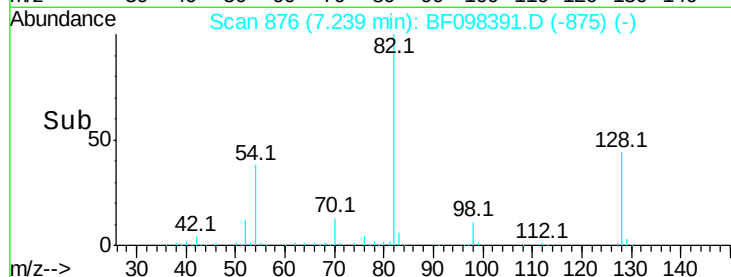
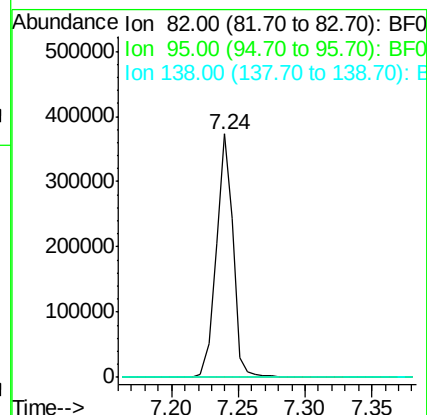
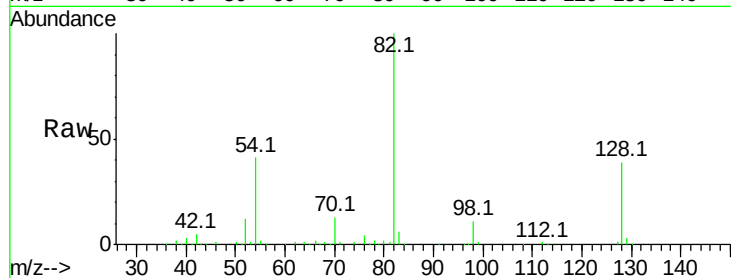
Tot Ion: 82 Resp: 327992

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 6.568 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

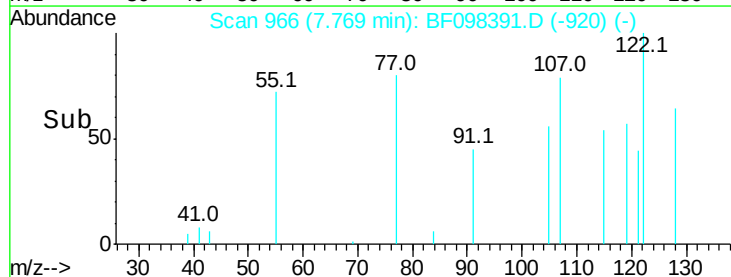
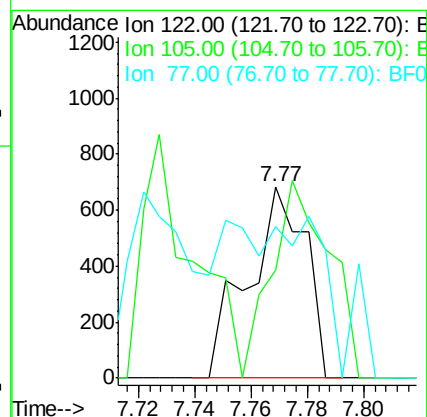
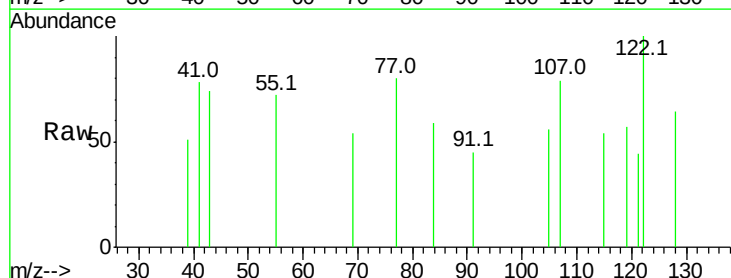
Tgt Ion: 122 Resp: 964

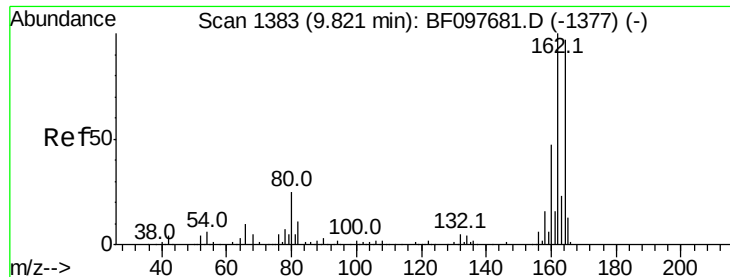
Ion Ratio Lower Upper

122 100

105 56.2 103.3 143.3#

77 79.5 73.7 113.7

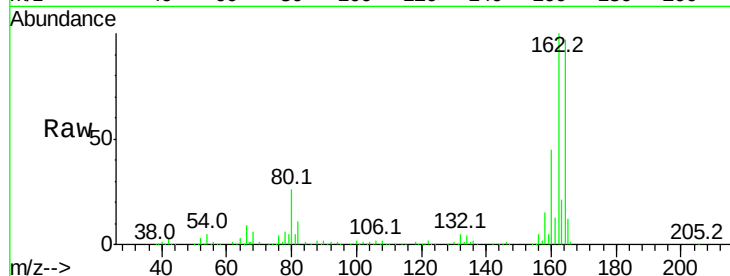




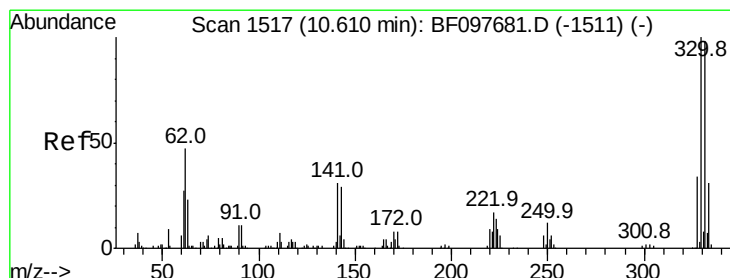
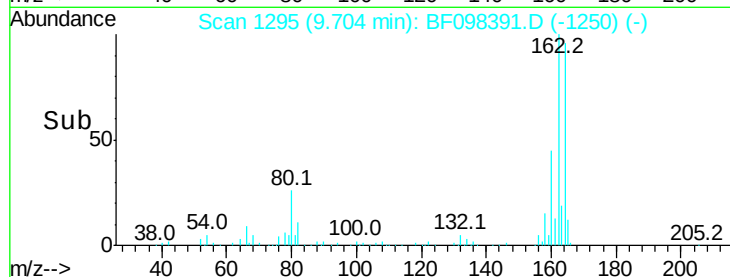
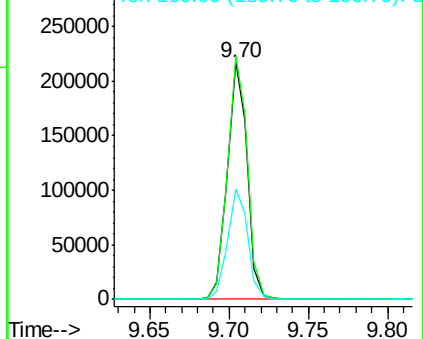
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 186585
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 46.6 36.2 54.2

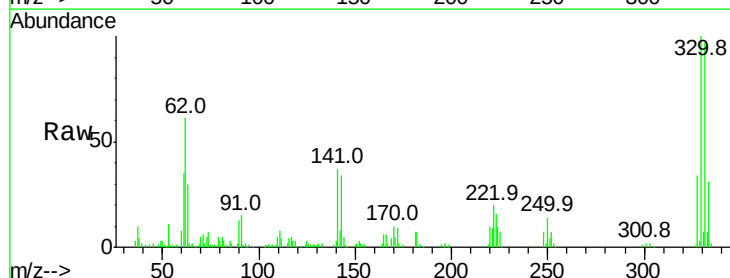


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

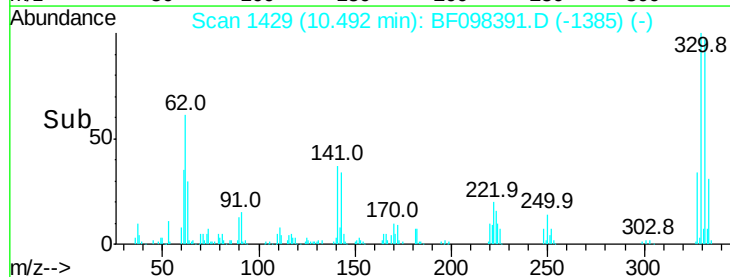
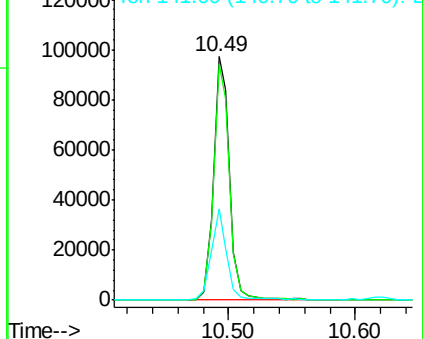


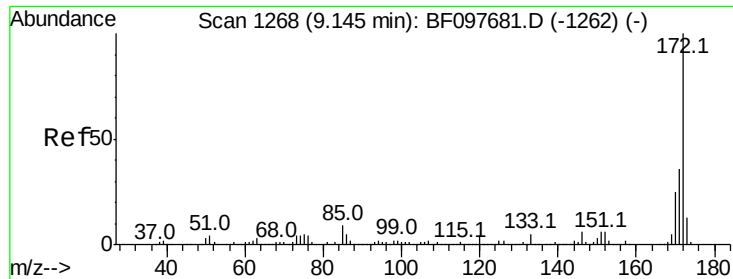
#41
2,4,6-Tribromophenol
Concen: 53.910 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion:330 Resp: 87276
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 36.8 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

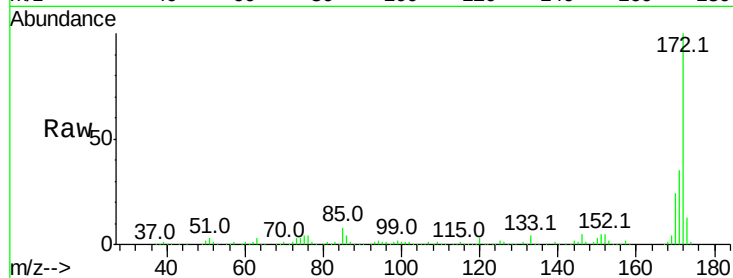




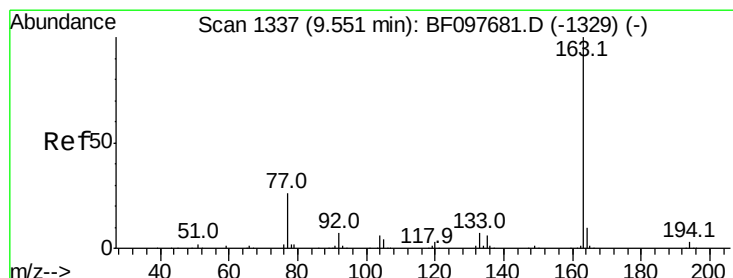
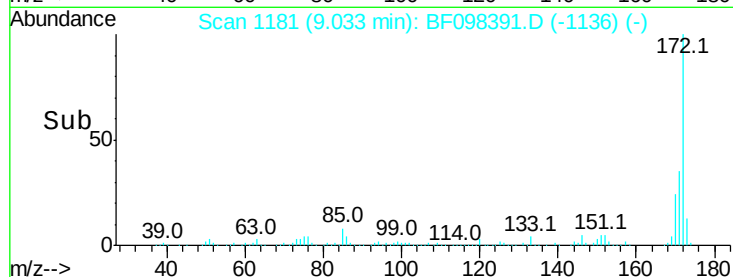
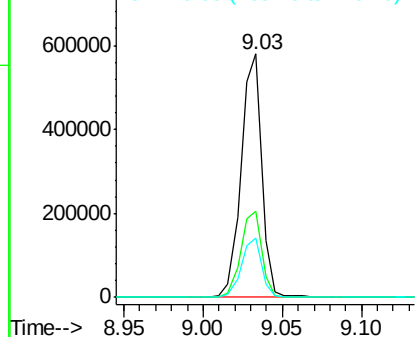
#44
 2-Fluorobiphenyl
 Concen: 41.326 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.04 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.2	19.8	29.8

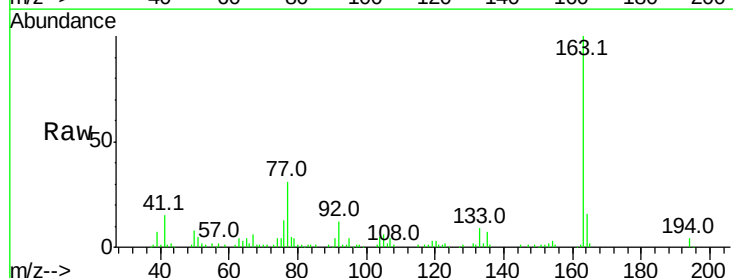


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

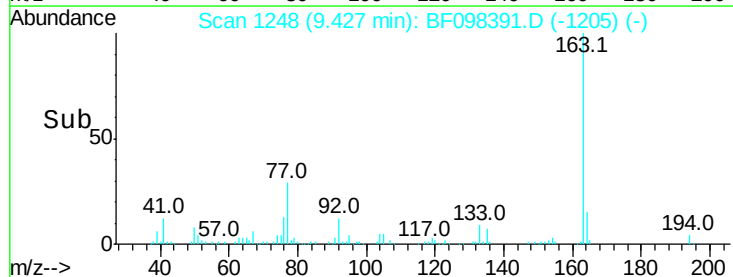
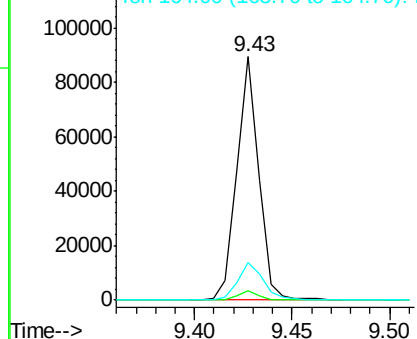


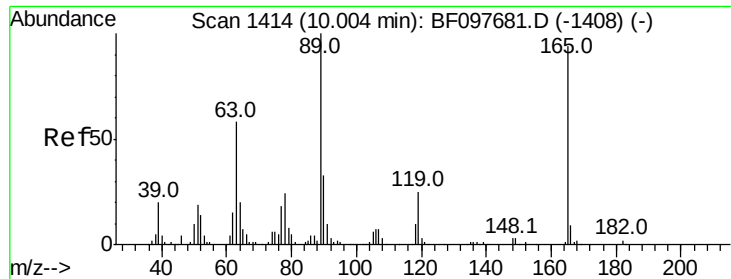
#49
 Dimethylphthalate
 Concen: 5.105 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.05 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	15.6	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

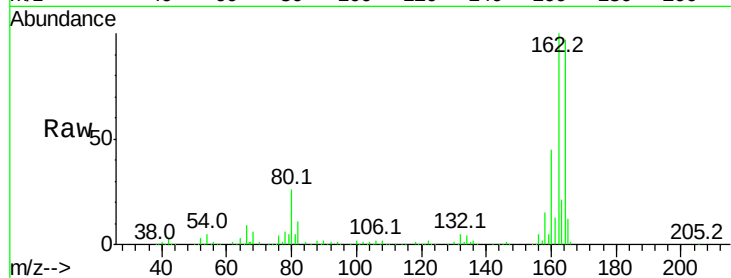




#56
 2,4-Dinitrotoluene
 Concen: 6.991 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.24 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



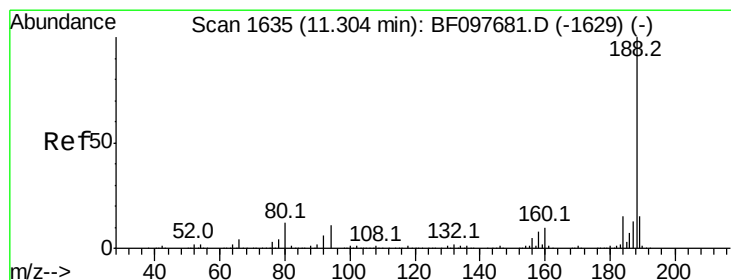
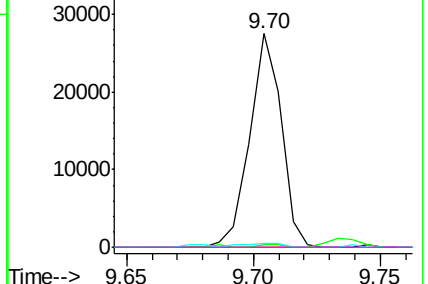
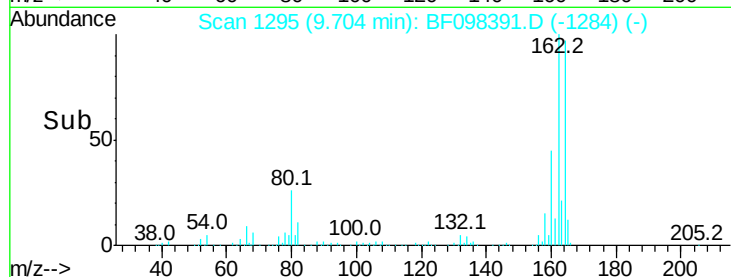
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

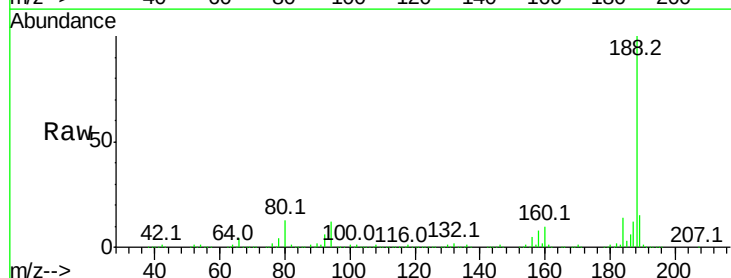
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.04 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	13.0	10.2	15.2

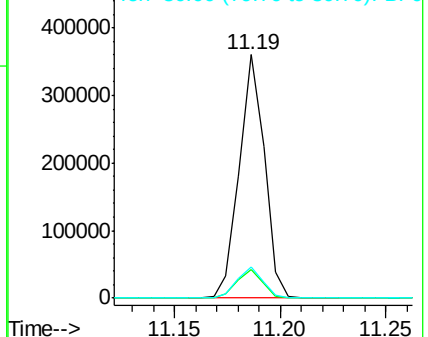
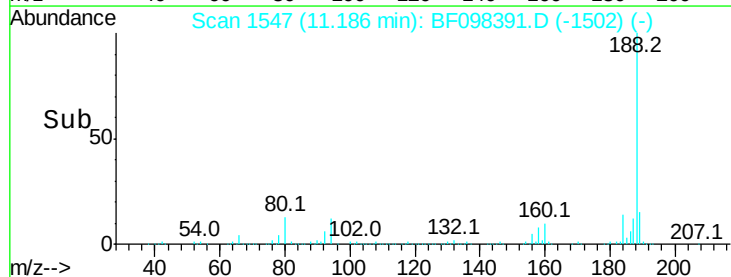


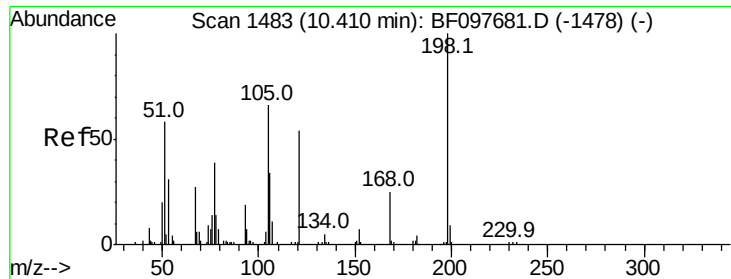
Abundance

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: 8.385 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.14 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

ClientSampleId :

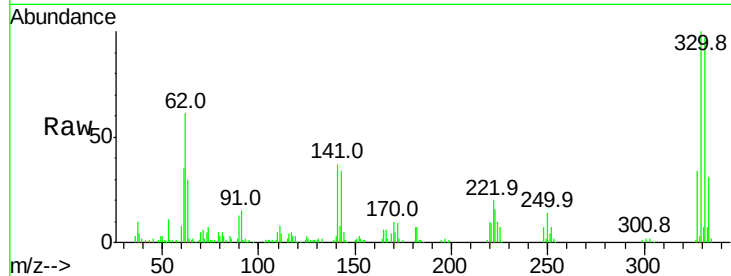
Tot Ion:198 Resp: 109

Ion Ratio Lower Upper

198 100

51 228.6 53.2 93.2#

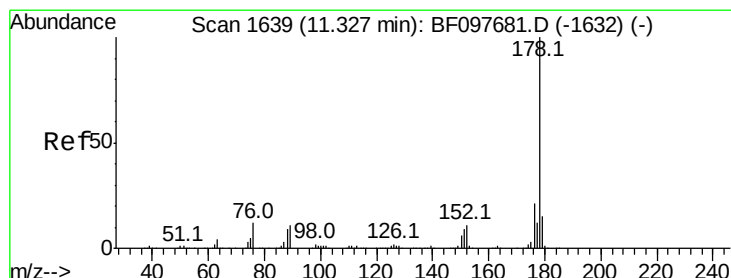
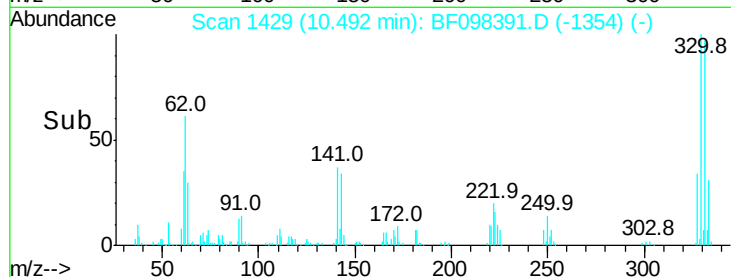
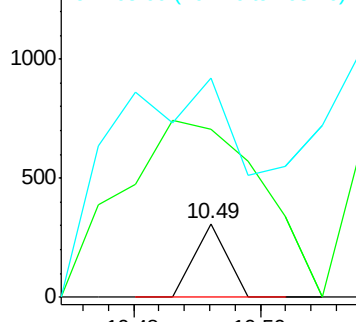
105 298.7 45.8 85.8#



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



#70

Phenanthrene

Concen: 21.748 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

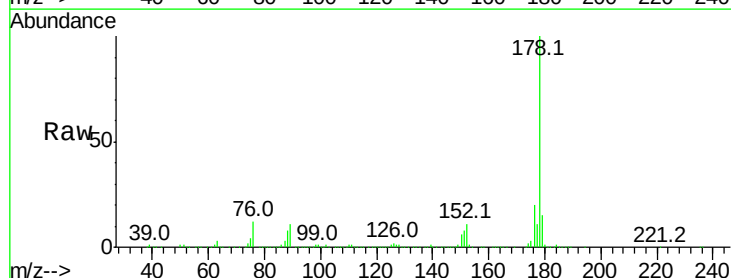
Tgt Ion:178 Resp: 344889

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

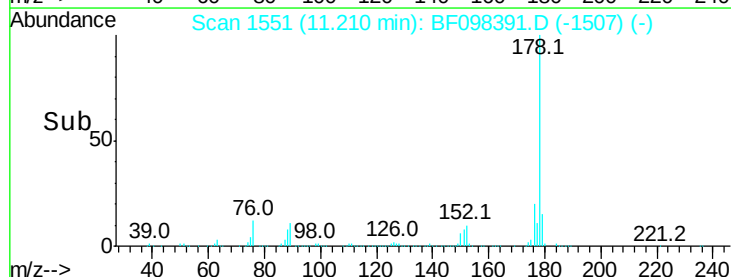
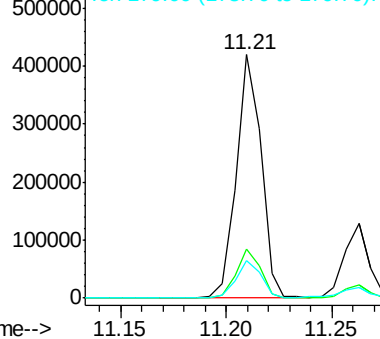
179 15.3 12.6 19.0

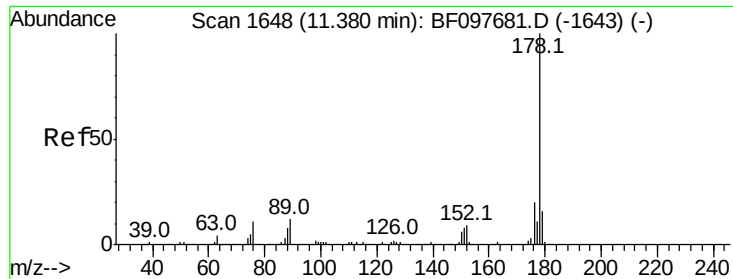


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

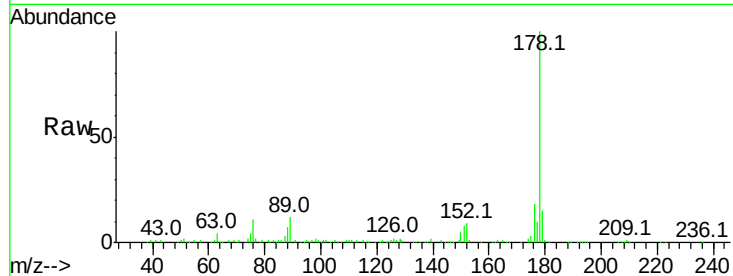




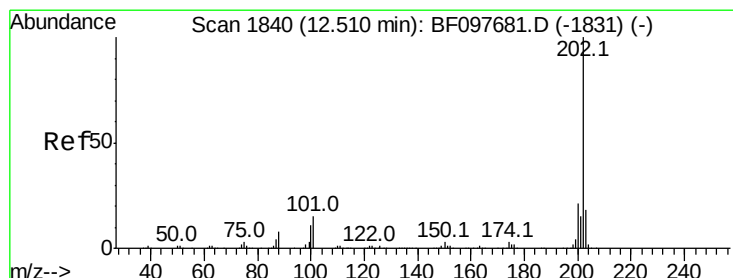
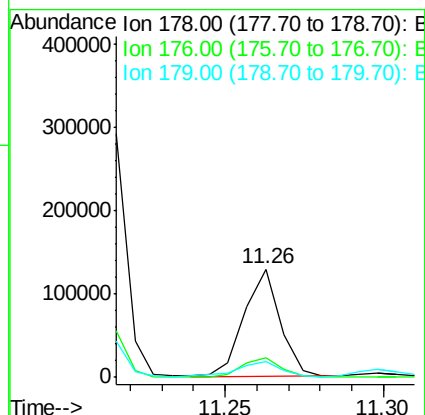
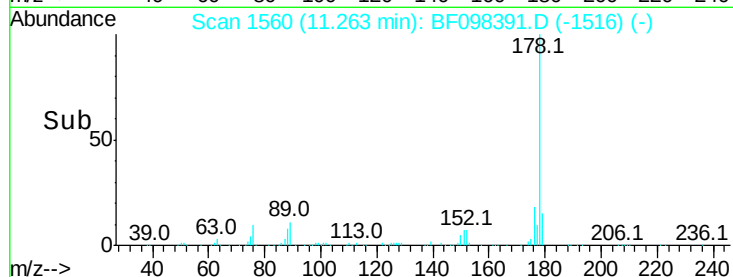
#71
 Anthracene
 Concen: 6.277 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 100957
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.9 12.7 19.1

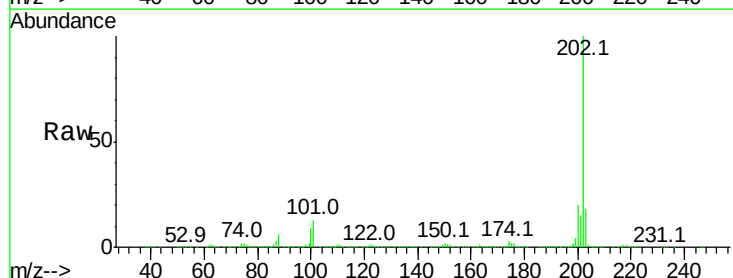


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

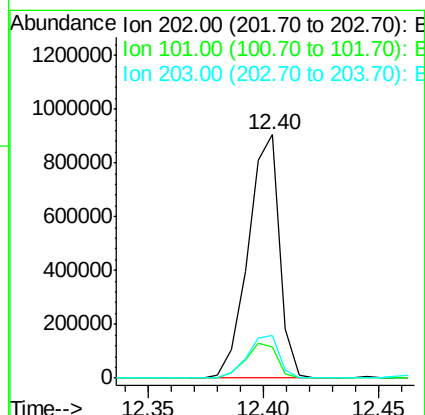
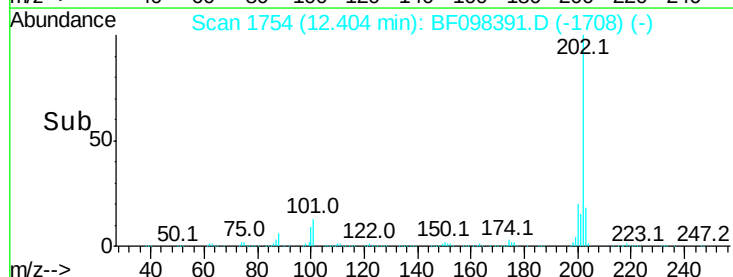


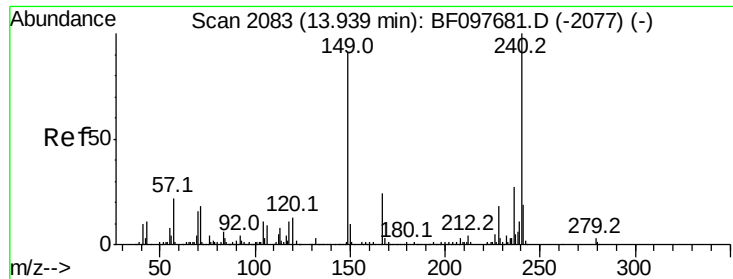
#74
 Fluoranthene
 Concen: 51.617 ng
 RT: 12.40 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Tgt Ion:202 Resp: 854400
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 17.6 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: 13.82 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

ClientSampleId :

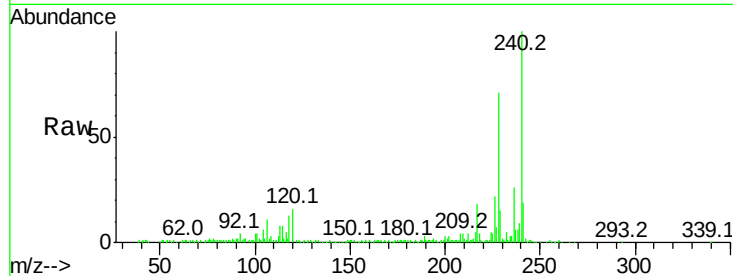
Tot Ion:240 Resp: 223114

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

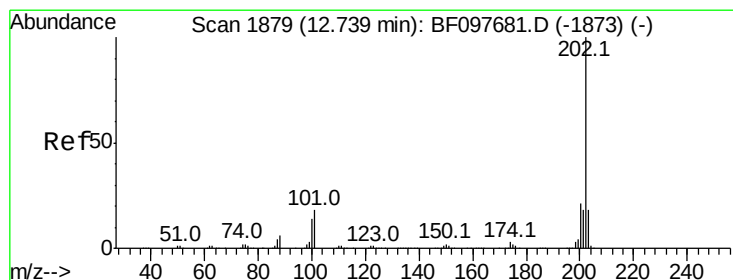
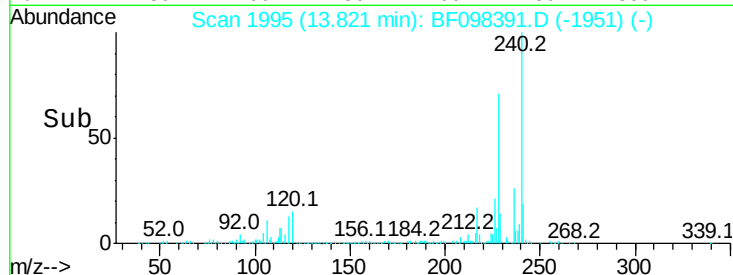
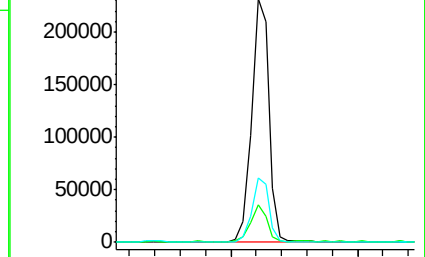
236 26.3 20.5 30.7



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: 42.351 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

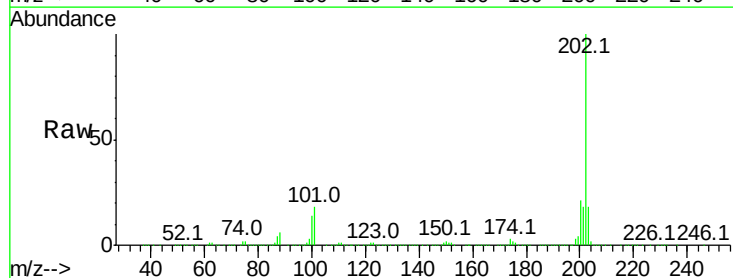
Tgt Ion:202 Resp: 772826

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

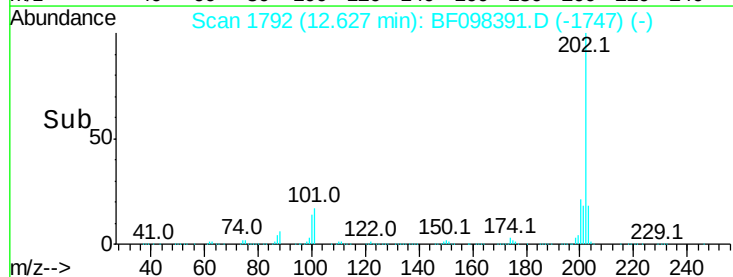
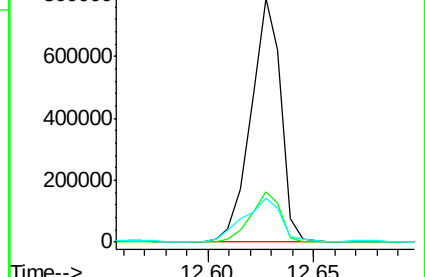
203 18.0 14.4 21.6

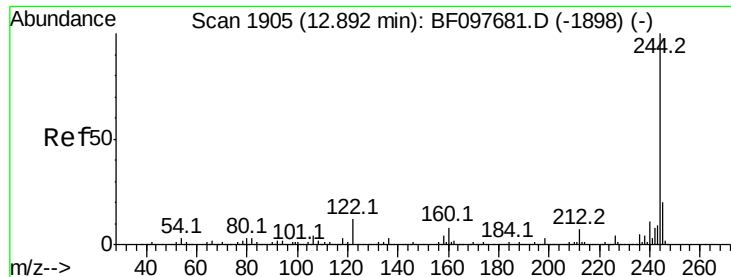


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.895 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

ClientSampled :

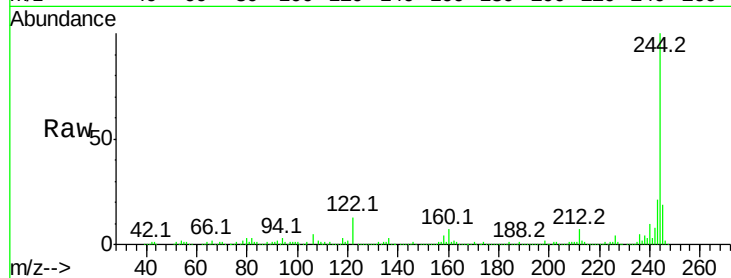
Tot Ion:244 Resp: 330552

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

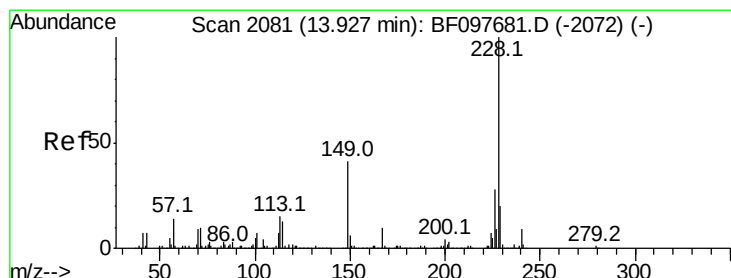
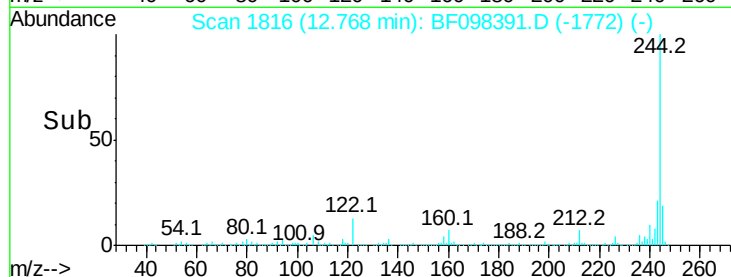
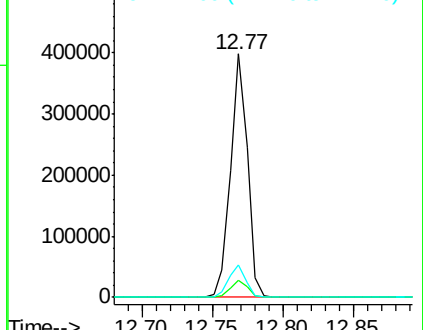
122 13.4 10.3 15.5



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: 31.282 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

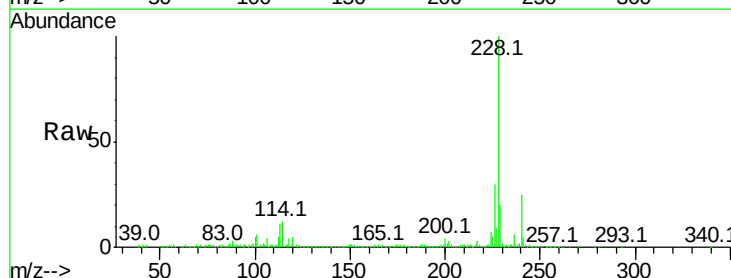
Tgt Ion:228 Resp: 418309

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

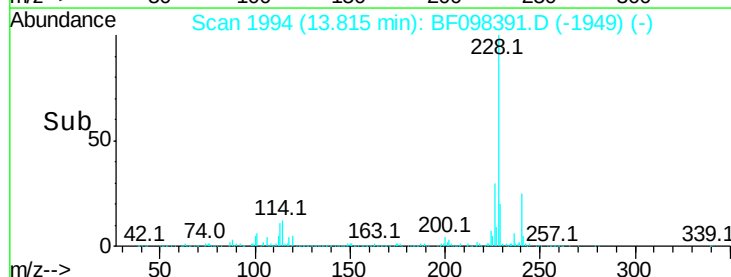
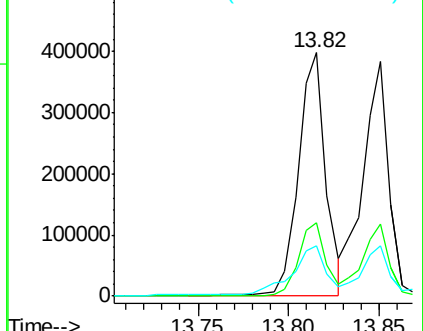
229 20.5 16.3 24.5

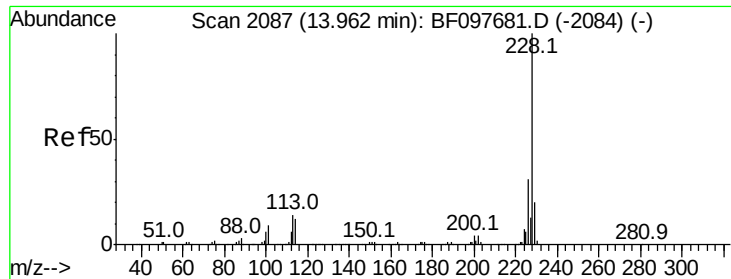


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

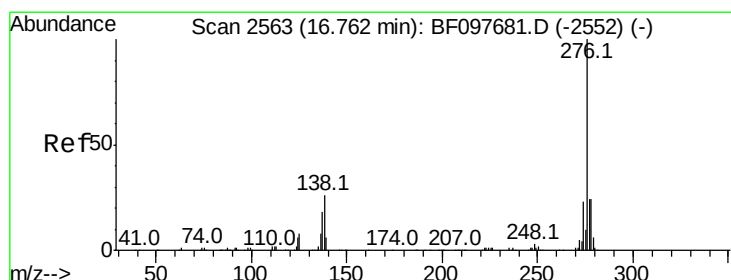
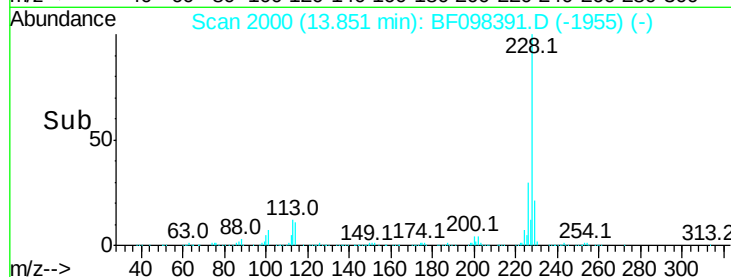
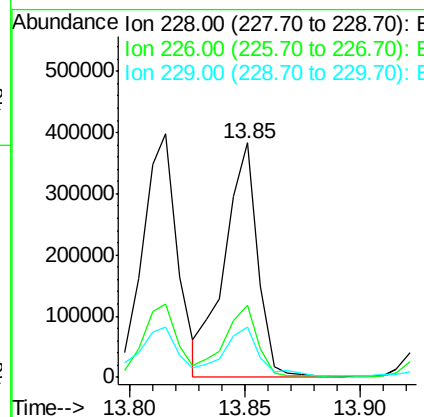
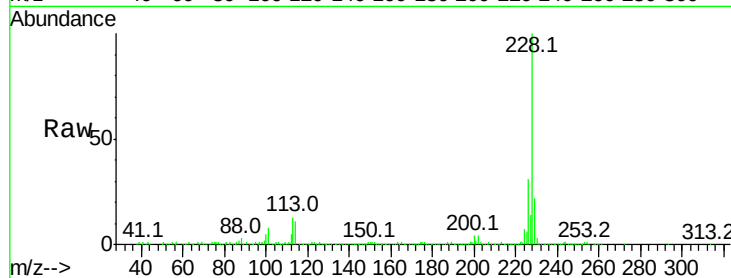




#82
Chrysene
Concen: 28.467 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

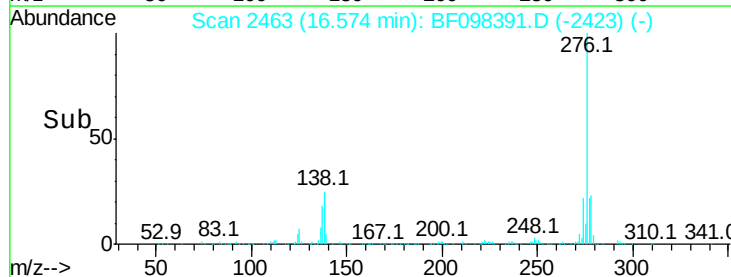
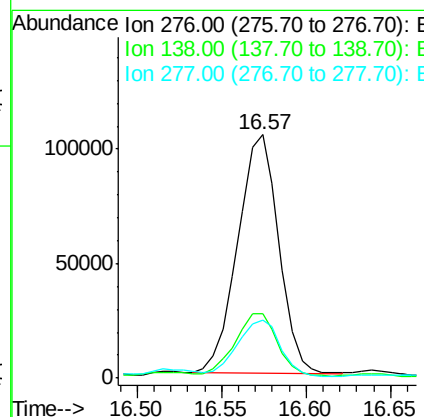
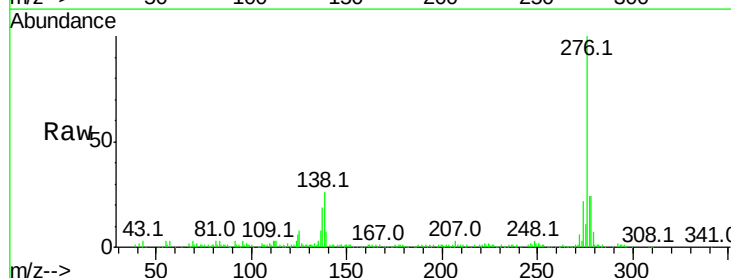
Instrument :
BNA_F
ClientSampleId :

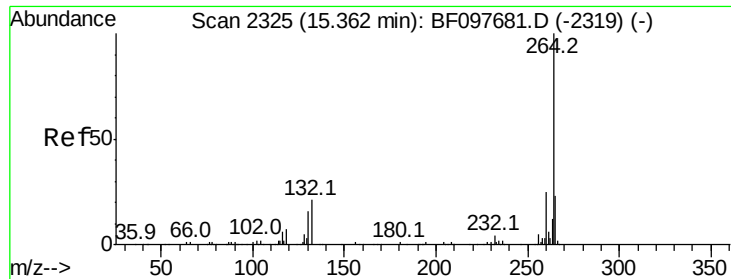
Tot Ion:228 Resp: 378668
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 21.7 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 18.062 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.06 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion:276 Resp: 176751
Ion Ratio Lower Upper
276 100
138 27.2 27.8 41.6#
277 25.4 20.2 30.4



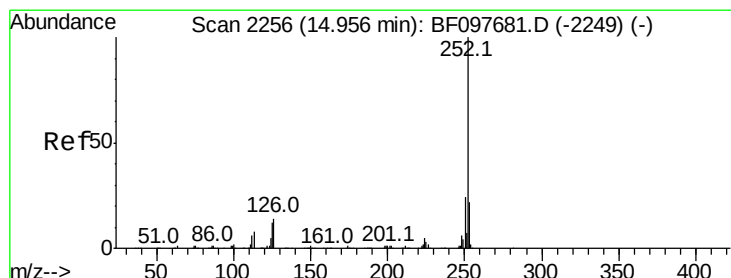
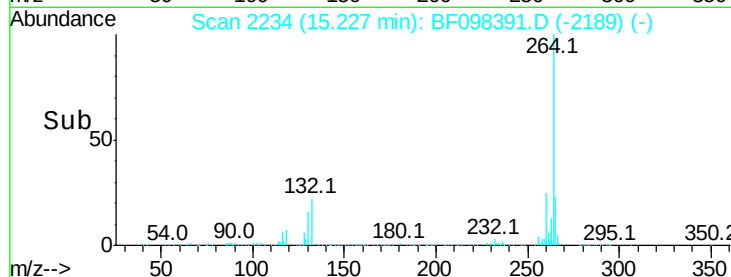
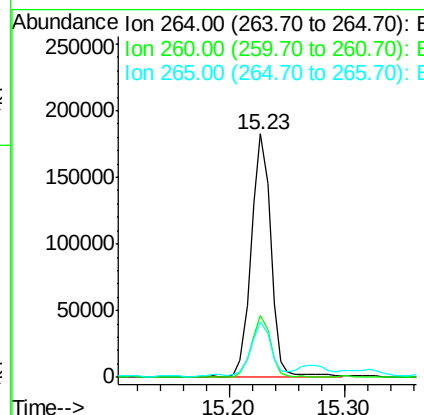
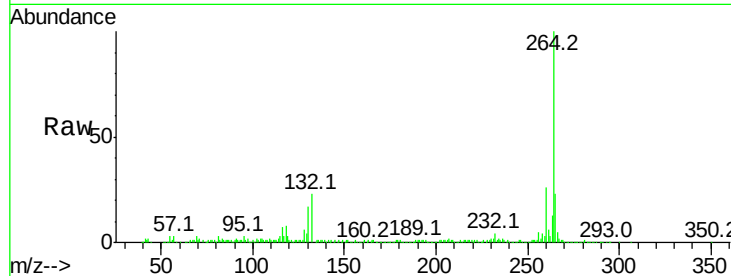


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 218046

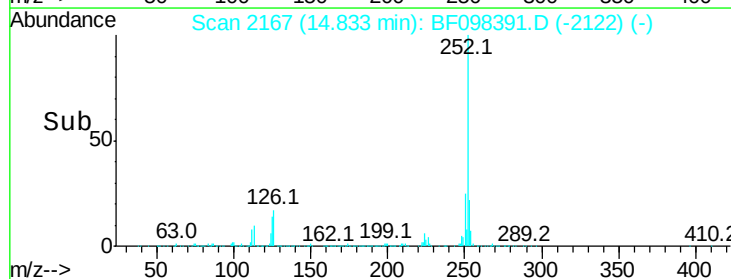
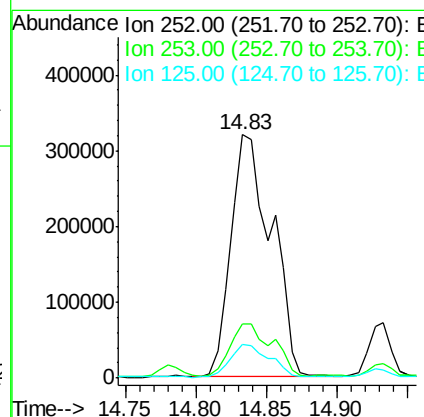
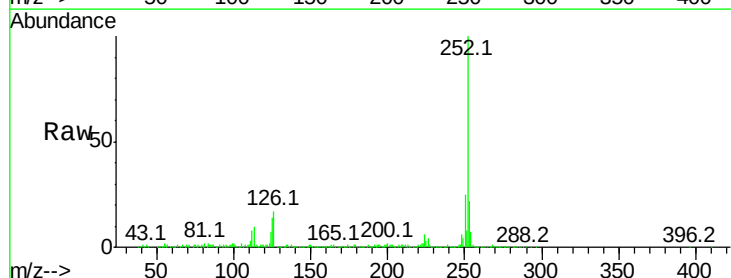
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	22.9	17.2	25.8

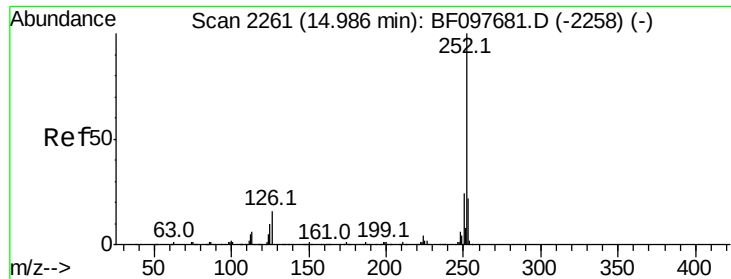


#87
Benzo(b)fluoranthene
Concen: 47.054 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion:252 Resp: 646714

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	13.9	9.8	14.8

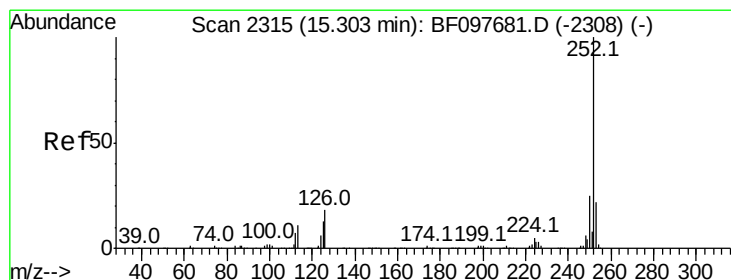
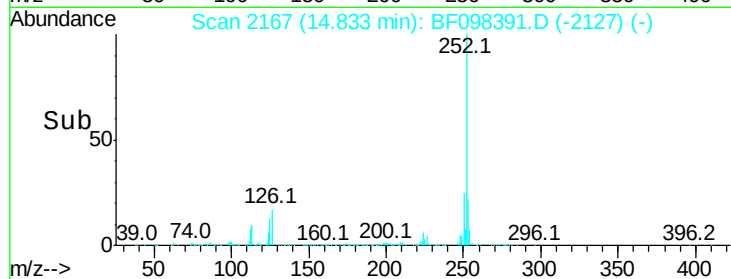
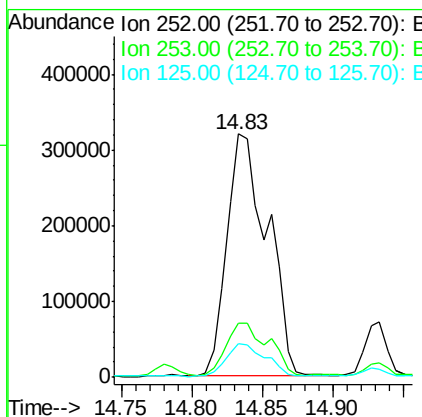
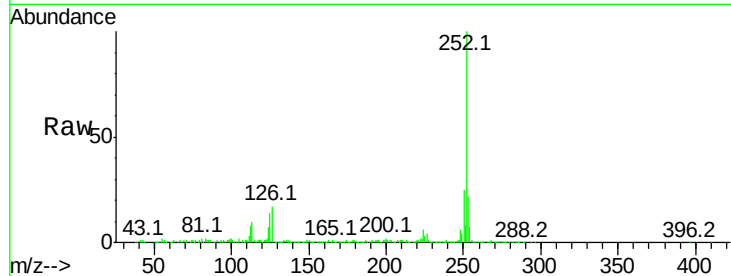




#88
Benzo(k)fluoranthene
Concen: 50.084 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.06 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

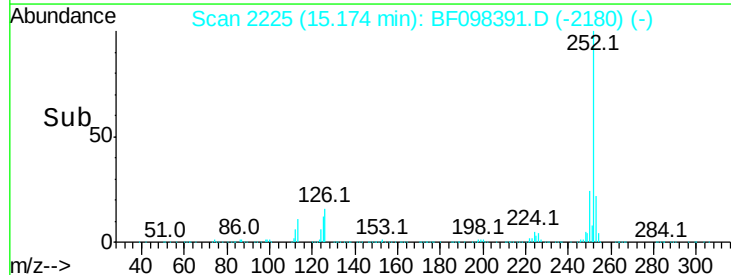
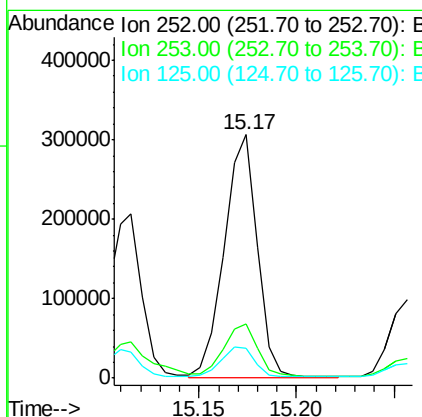
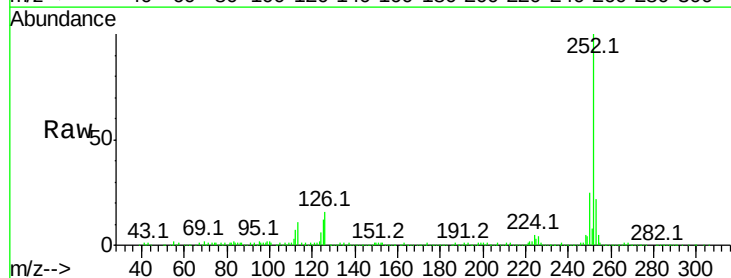
Instrument :
BNA_F
ClientSampleId :

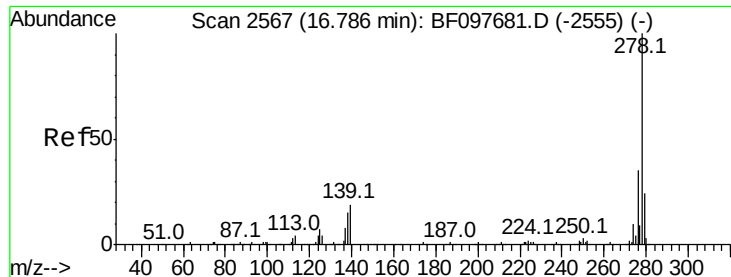
Tot Ion:252 Resp: 646714
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 13.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 29.249 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion:252 Resp: 355880
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 12.2 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.899 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.08 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

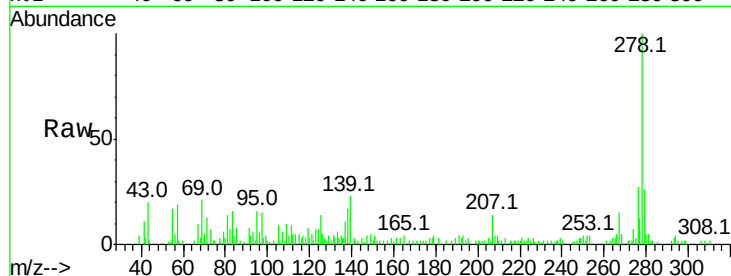
Instrument :

BNA_F

ClientSampled :

Tot Ion:278 Resp: 38621

Ion	Ratio	Lower	Upper
278	100		
139	22.8	16.6	24.8
279	25.6	19.3	28.9

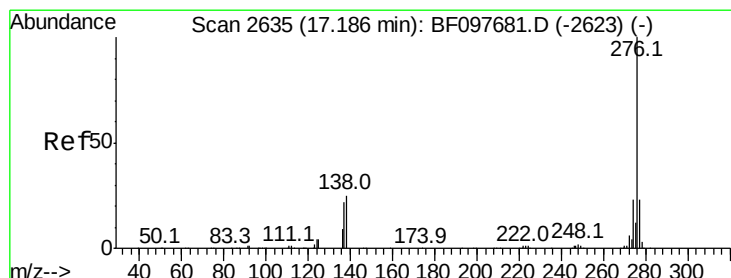
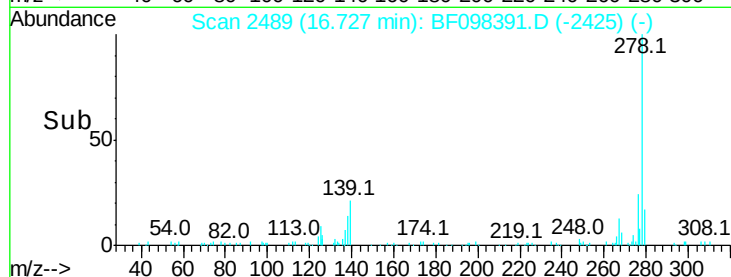
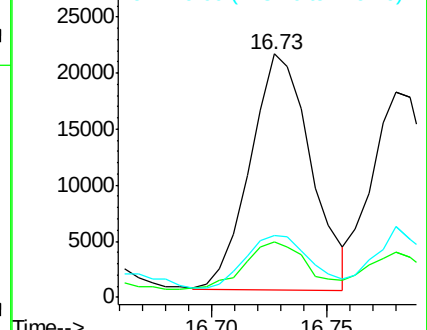


Abundance

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(g,h,i)perylene

Concen: 16.602 ng

RT: 16.98 min Scan# 2532

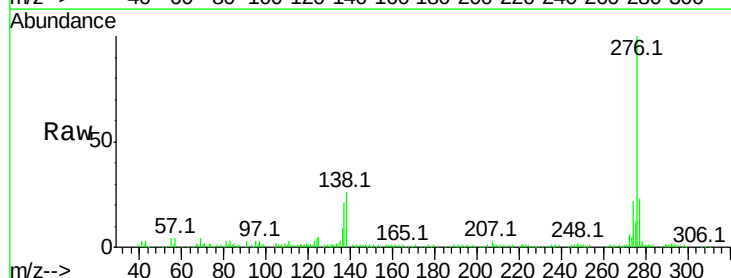
Delta R.T. -0.07 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion:276 Resp: 171595

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	25.7	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

