

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098400.D
 Acq On : 9 Sep 2017 21:54
 Operator : SJ/JU
 Sample : I5151-06 50X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 04:16:22 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	100262	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	366161	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	164780	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	258785	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	195912	20.00	ng	-0.04
86) Perylene-d12	15.23	264	186227	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	6911	1.05	ng	-0.01
7) Phenol-d6	6.33	99	9761	1.09	ng	-0.02
23) Nitrobenzene-d5	7.24	82	5639	0.84	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	1064	0.74	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	10564	0.94	ng	-0.04
78) Terphenyl-d14	12.77	244	7708	0.82	ng	-0.04

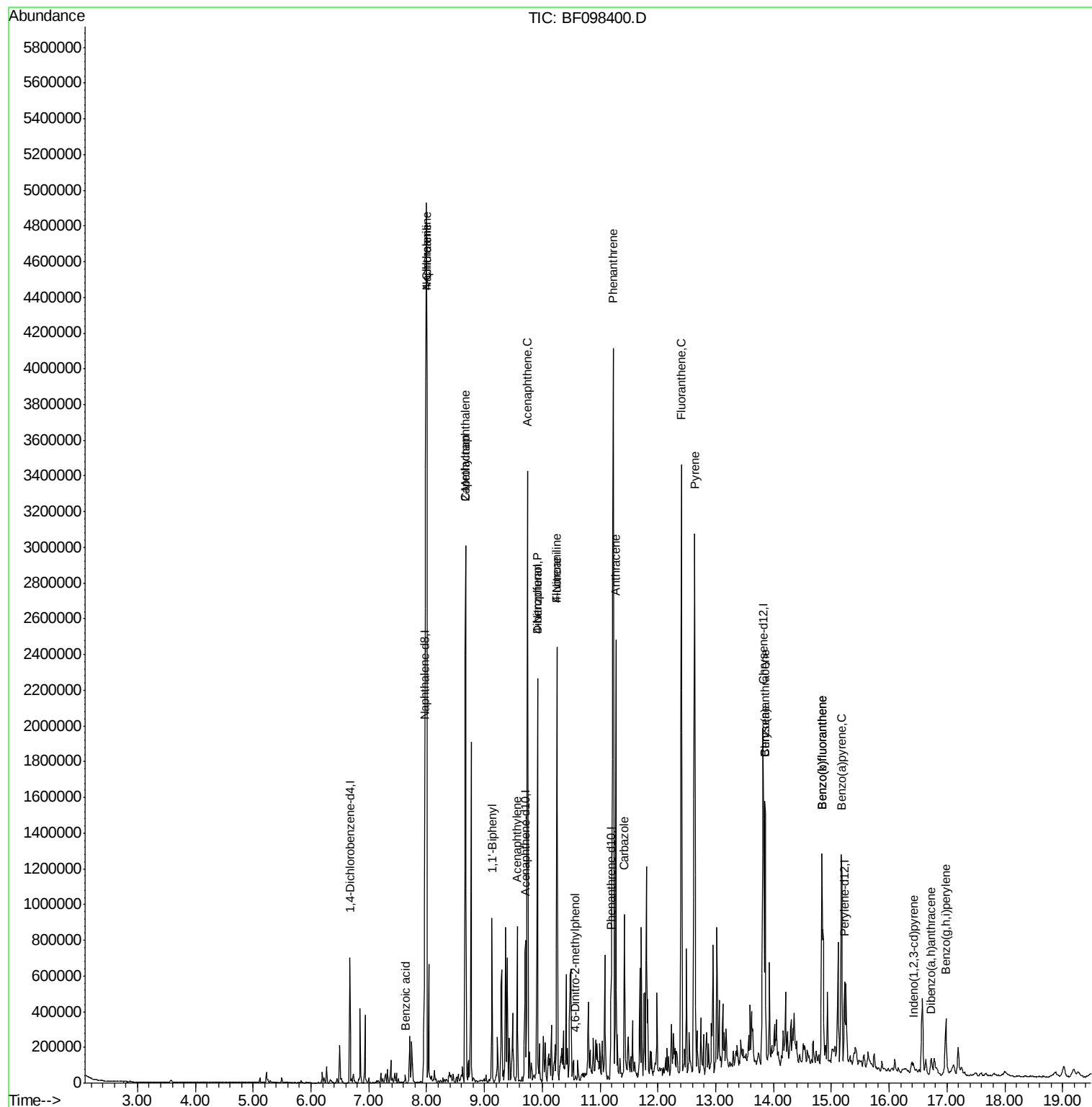
Target Compounds				Qvalue		
31) Naphthalene	8.00	128	4357406	229.226	ng	98
32) Benzoic acid	7.63	122	383	6.482	ng	# 1
33) 4-Chloroaniline	8.00	127	611160	76.234	ng	# 34
35) Caprolactam	8.67	113	20299	12.306	ng	# 1
37) 2-Methylnaphthalene	8.67	142	876922	75.244	ng	99
45) 1,1'-Biphenyl	9.13	154	293829	19.554	ng	96
48) Acenaphthylene	9.57	152	283529	16.262	ng	97
51) Acenaphthene	9.75	154	846366	76.970	ng	99
54) Dibenzofuran	9.92	168	845250	57.355	ng	97
55) 4-Nitrophenol	9.92	139	309237	124.970	ng	# 27
57) Fluorene	10.26	166	722184	63.383	ng	95
61) 4-Nitroaniline	10.26	138	7663	2.599	ng	# 29
64) 4,6-Dinitro-2-methylphenol	10.57	198	109	8.395	ng	# 1
70) Phenanthrene	11.23	178	2396318	173.773	ng	99
71) Anthracene	11.27	178	923993	66.062	ng	99
72) Carbazole	11.42	167	335767	25.291	ng	98
74) Fluoranthene	12.41	202	1742024	121.029	ng	99
77) Pyrene	12.64	202	1525801	95.224	ng	98
80) Benzo(a)anthracene	13.86	228	561916	47.856	ng	94
82) Chrysene	13.86	228	561916	48.108	ng	97
85) Indeno(1,2,3-cd)pyrene	16.42	276	40834	4.752	ng	95
87) Benzo(b)fluoranthene	14.84	252	896898	76.407	ng	97
88) Benzo(k)fluoranthene	14.84	252	896898	81.327	ng	97
89) Benzo(a)pyrene	15.17	252	545300	52.474	ng	97
90) Dibenzo(a,h)anthracene	16.73	278	49389	5.838	ng	94
91) Benzo(g,h,i)perylene	16.98	276	225103	25.500	ng	96

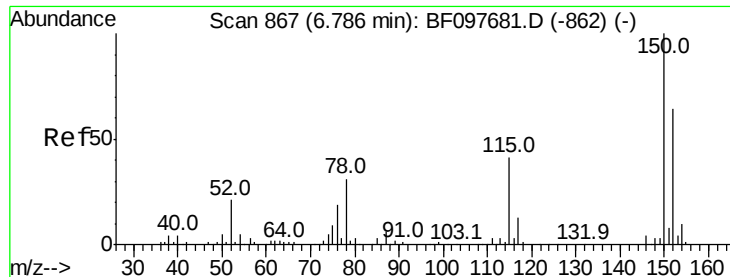
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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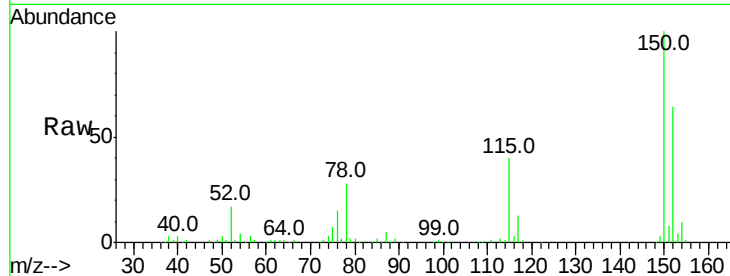


#1

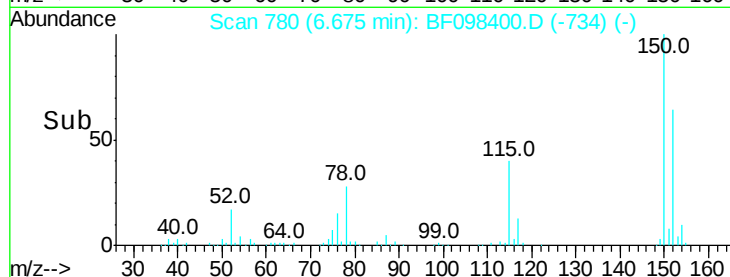
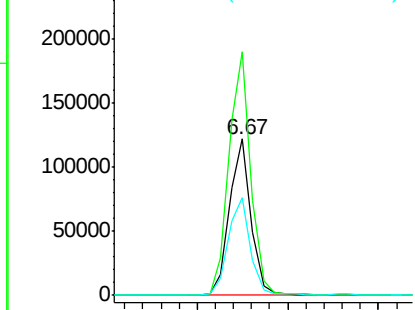
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 100262
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.2 189.2
 115 62.3 52.2 78.2



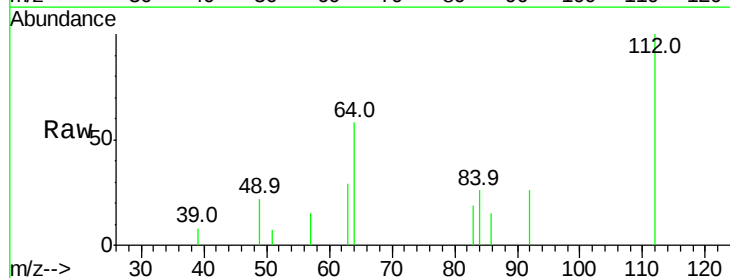
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



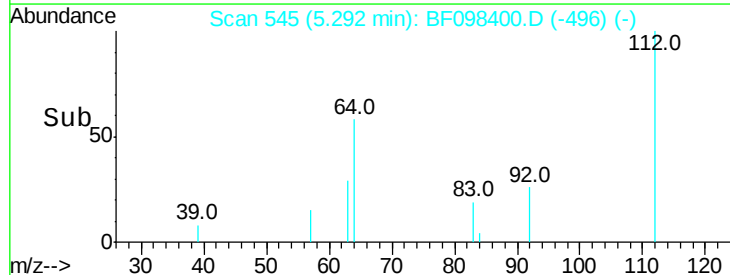
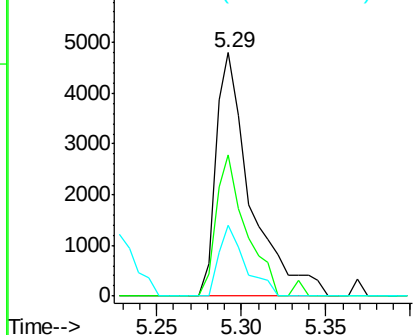
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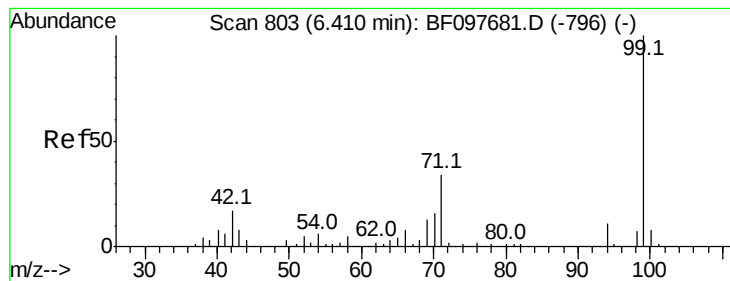
2-Fluorophenol
 Concen: 1.048 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion:112 Resp: 6911
 Ion Ratio Lower Upper
 112 100
 64 58.1 46.0 69.0
 63 28.8 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: 1.090 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

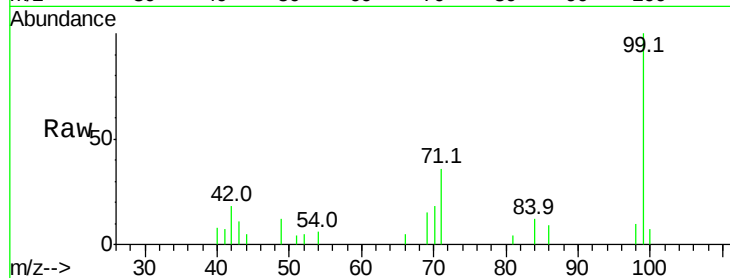
Tot Ion: 99 Resp: 9761

Ion Ratio Lower Upper

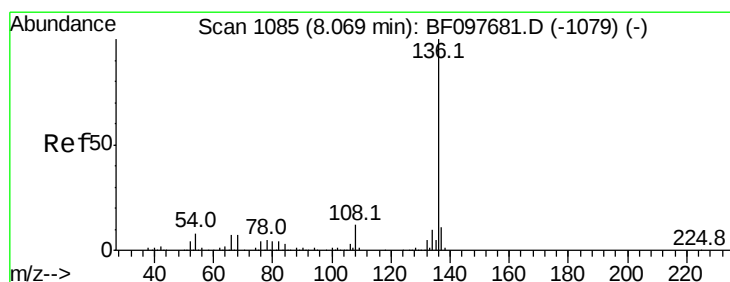
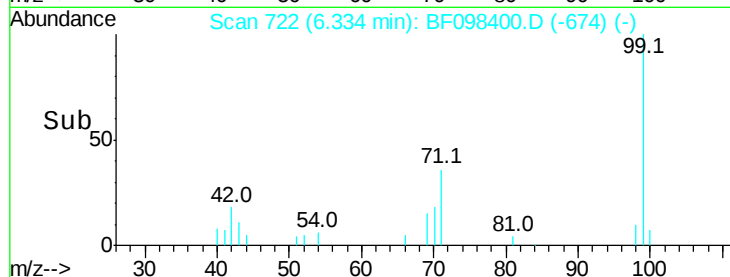
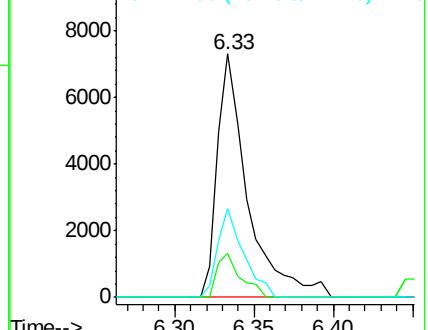
99 100

42 18.1 13.5 20.3

71 36.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Tgt Ion: 136 Resp: 366161

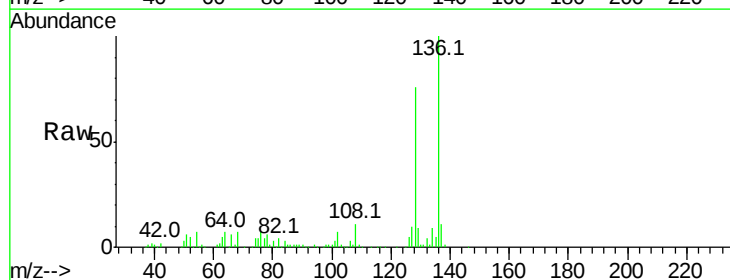
Ion Ratio Lower Upper

136 100

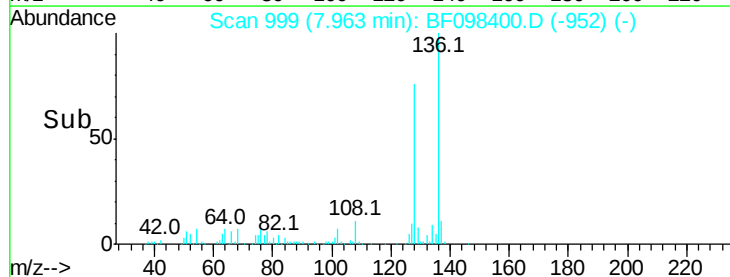
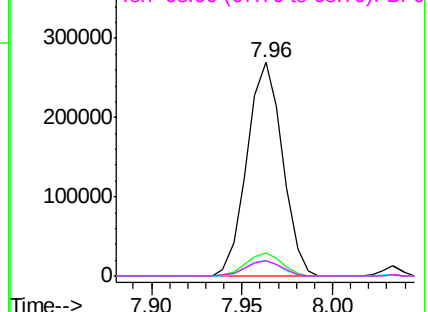
137 10.6 8.5 12.7

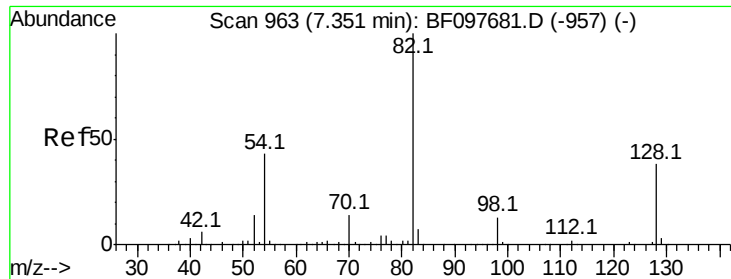
54 7.2 4.9 7.3

68 7.0 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

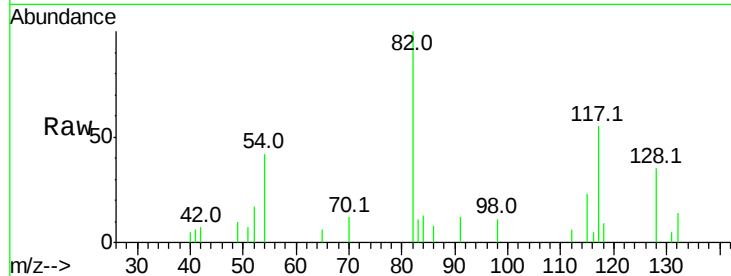




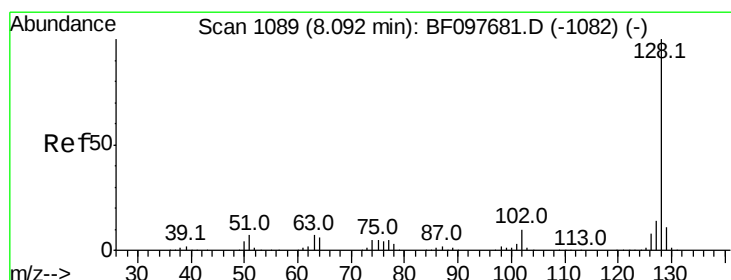
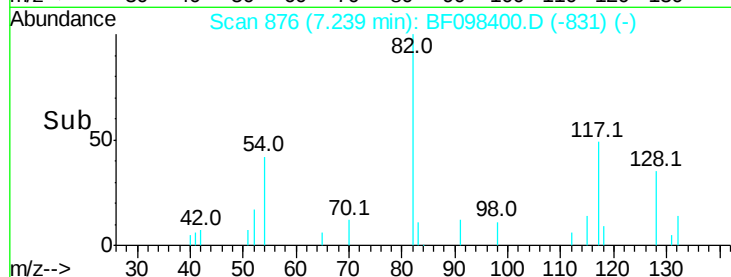
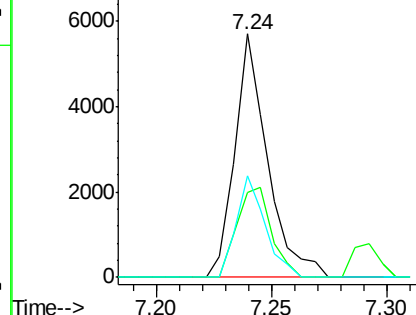
#23
Nitrobenzene-d5
Concen: 0.837 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 5639
Ion Ratio Lower Upper
82 100
128 34.6 34.0 51.0
54 41.6 42.2 63.2#

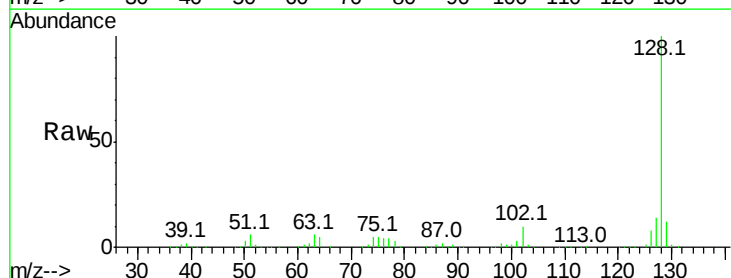


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

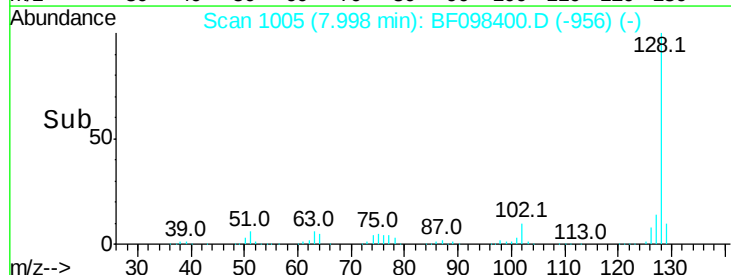
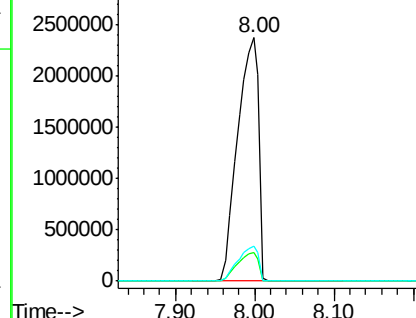


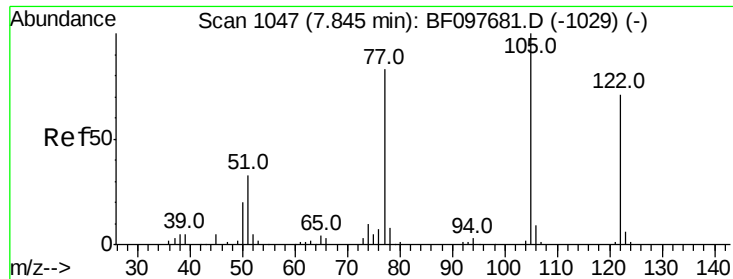
#31
Naphthalene
Concen: 229.226 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:128 Resp: 4357406
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 14.4 10.8 16.2



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

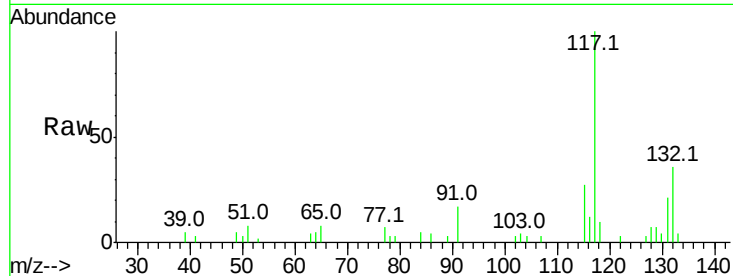




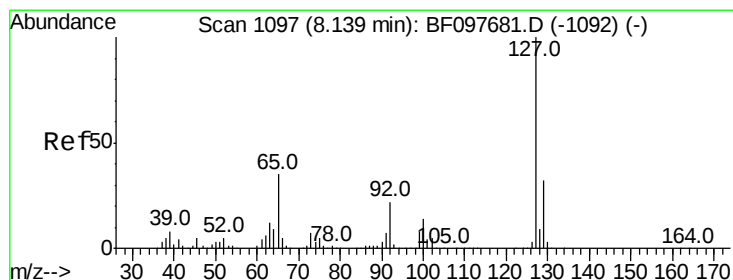
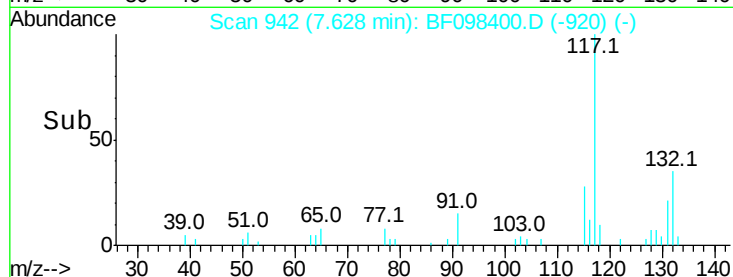
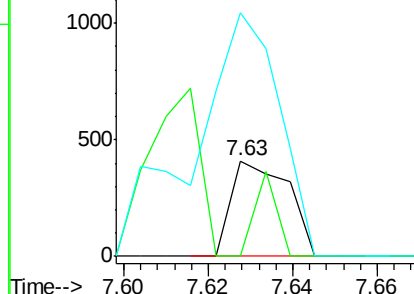
#32
Benzoic acid
Concen: 6.482 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.17 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 383
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 254.6 73.7 113.7#



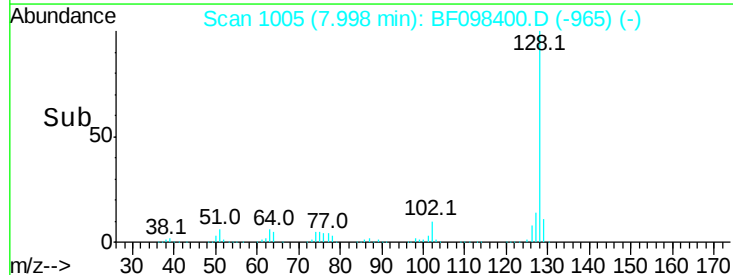
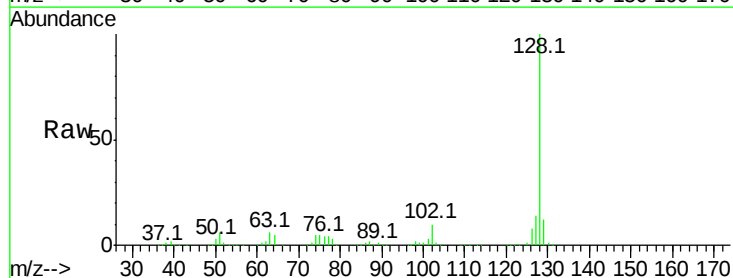
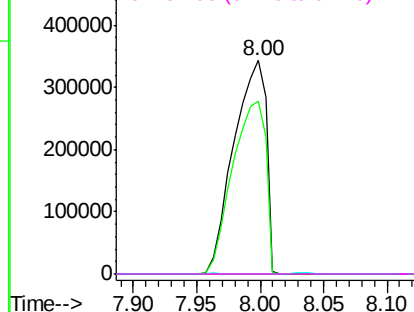
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

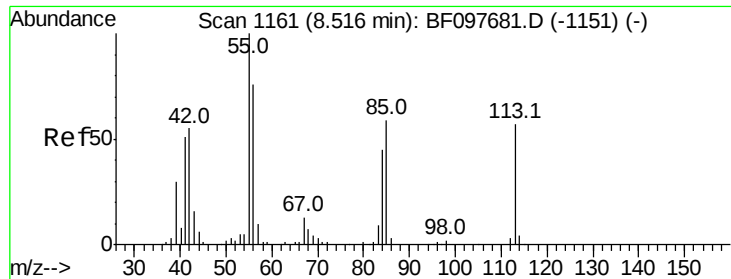


#33
4-Chloroaniline
Concen: 76.234 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.06 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:127 Resp: 611160
Ion Ratio Lower Upper
127 100
129 81.1 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

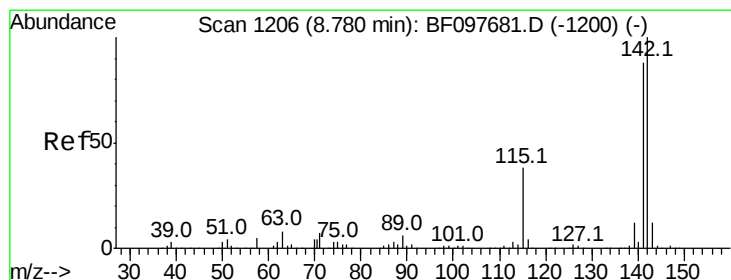
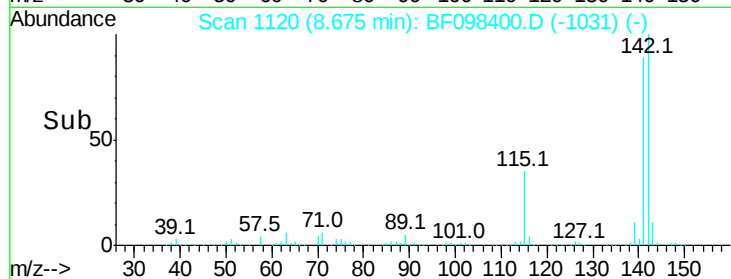
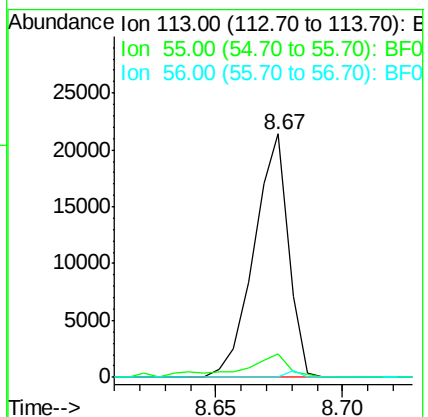
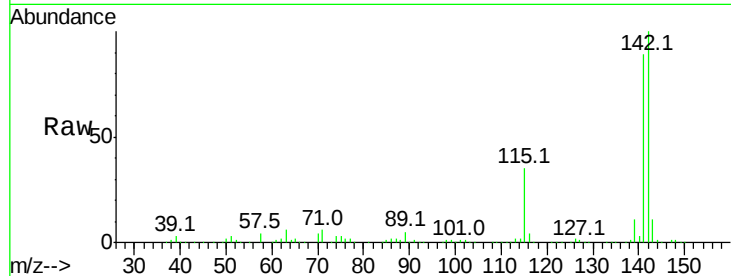




#35
 Caprolactam
 Concen: 12.306 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. 0.22 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

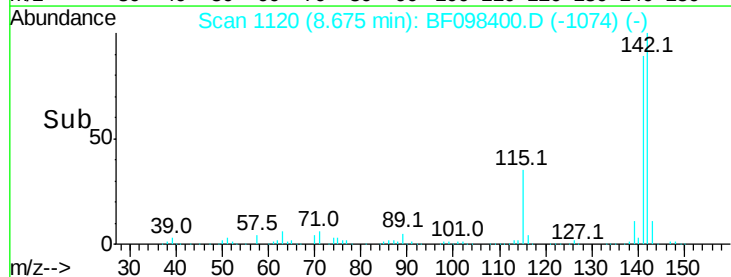
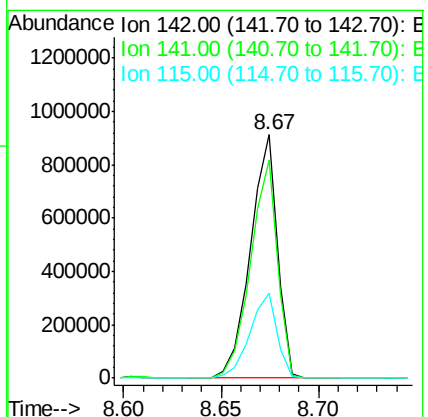
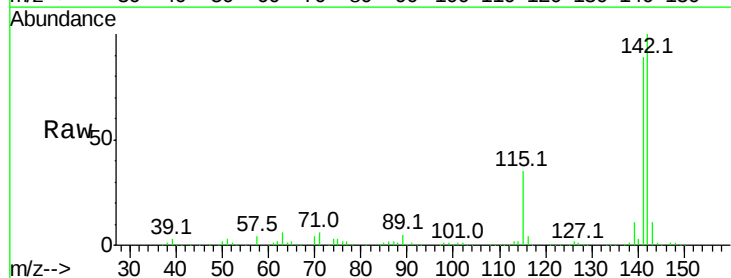
Instrument :
 BNA_F
 ClientSampleId :

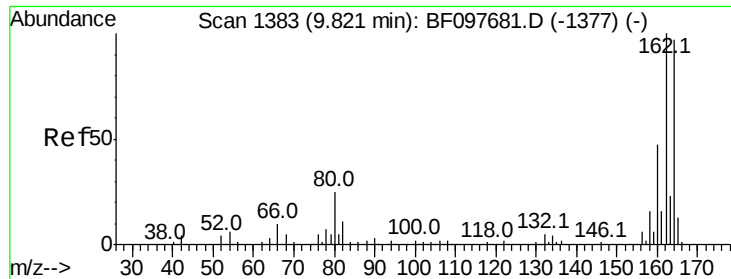
Tot Ion:113 Resp: 20299
 Ion Ratio Lower Upper
 113 100
 55 9.7 150.2 190.2#
 56 0.0 107.8 147.8#



#37
 2-Methylnaphthalene
 Concen: 75.244 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion:142 Resp: 876922
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.3 106.9
 115 34.7 27.1 40.7

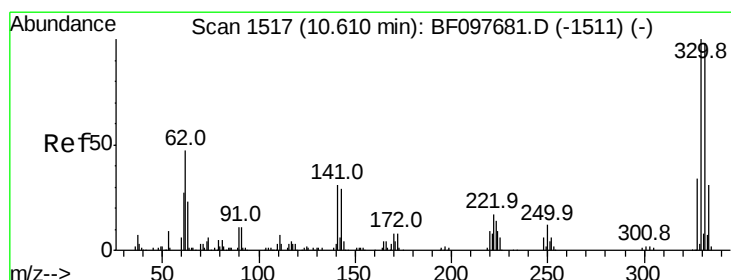
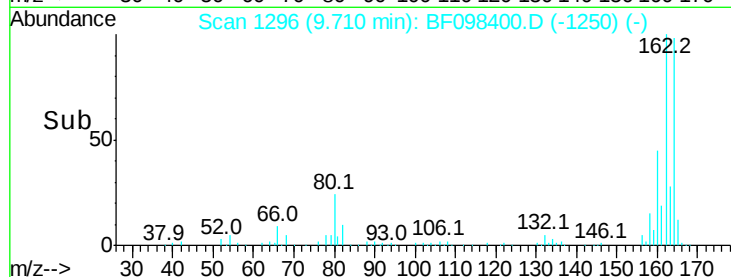
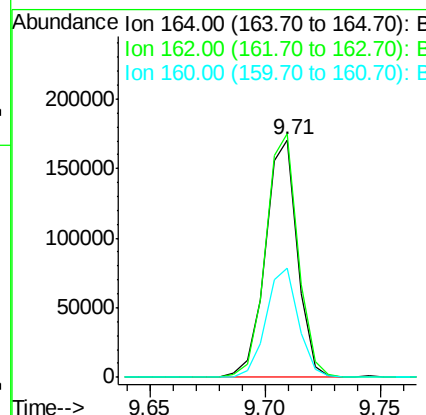
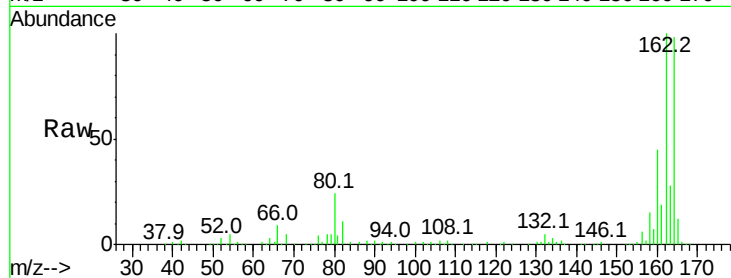




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

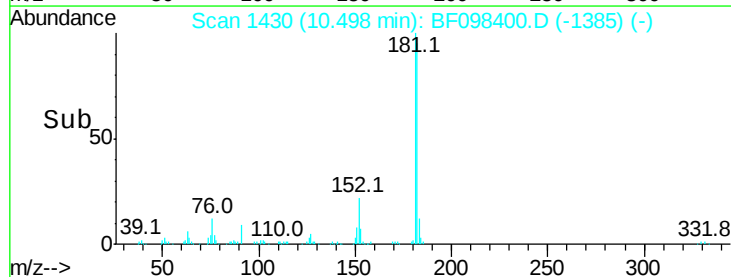
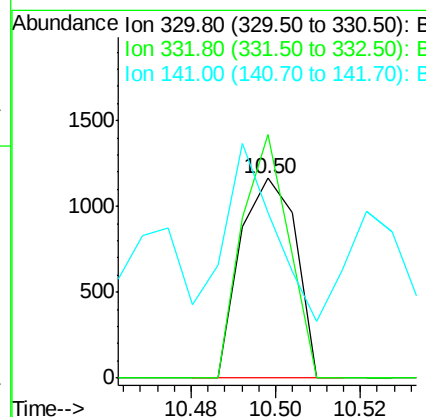
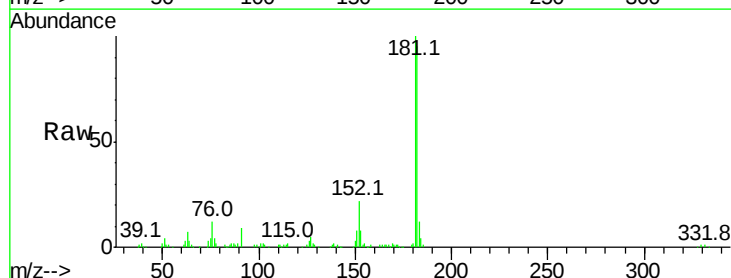
Instrument :
 BNA_F
 ClientSampleId :

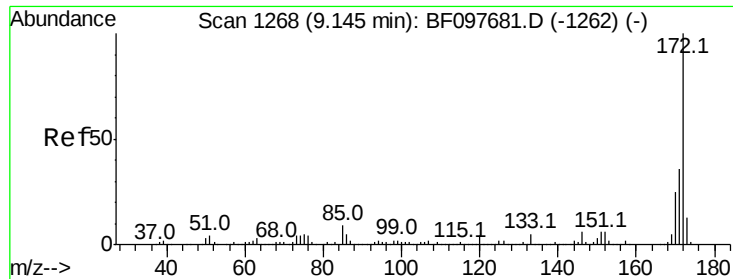
Tot Ion:164 Resp: 164780
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 123.8
 160 45.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 0.744 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion:330 Resp: 1064
 Ion Ratio Lower Upper
 330 100
 332 102.1 76.6 115.0
 141 106.2 31.4 47.2#

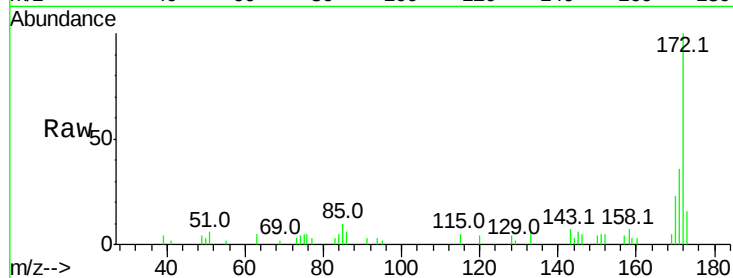




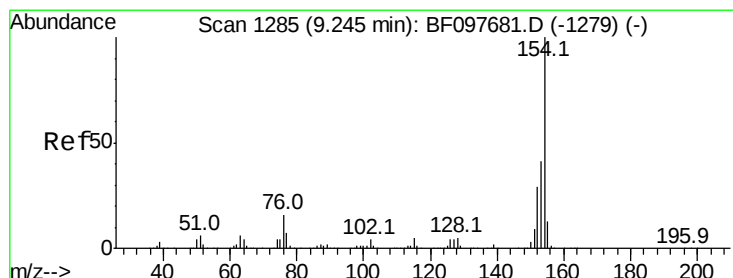
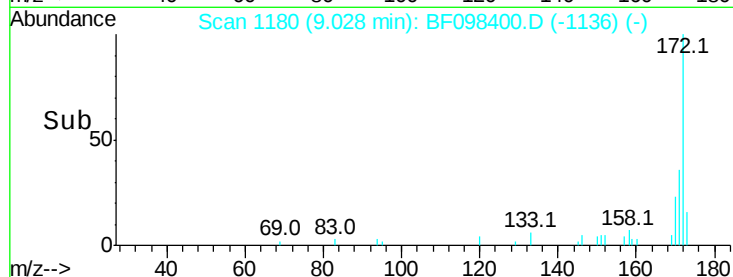
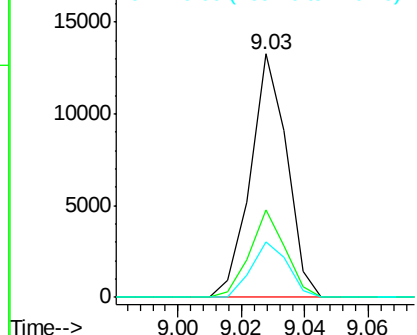
#44
 2-Fluorobiphenyl
 Concen: 0.942 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 10564
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 22.9 19.8 29.8

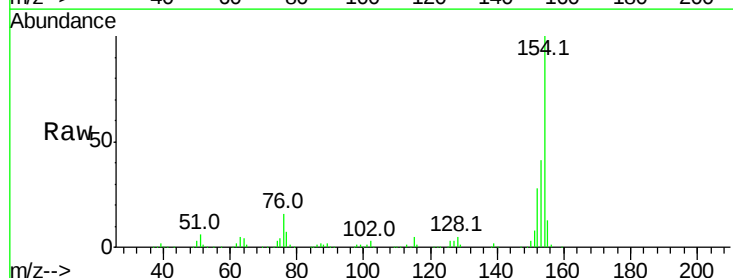


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

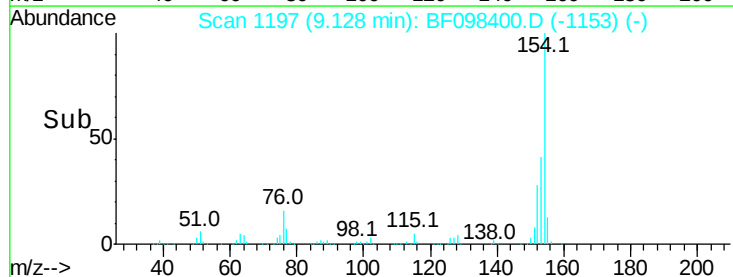
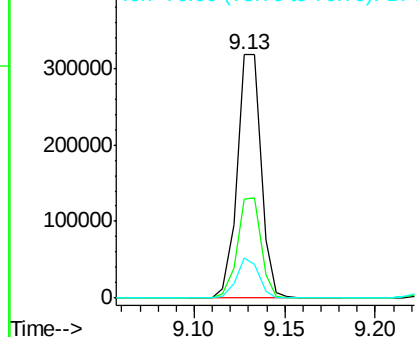


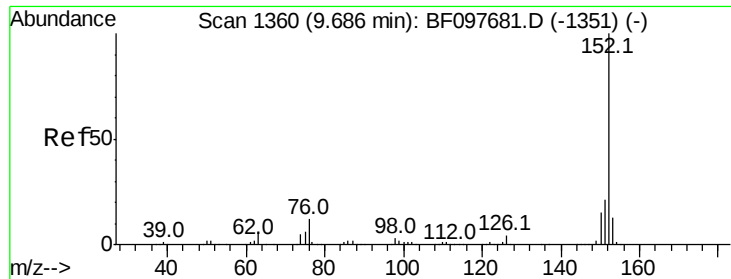
#45
 1,1'-Biphenyl
 Concen: 19.554 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion:154 Resp: 293829
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.2 61.2
 76 16.5 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 16.262 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

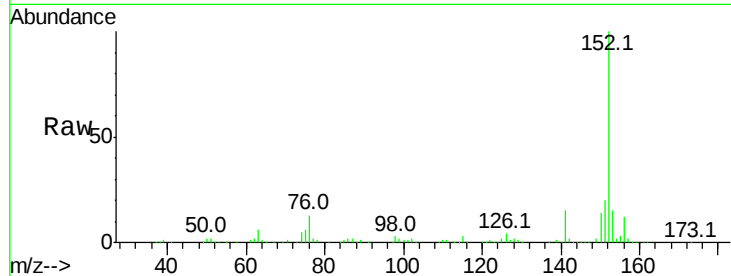
Tot Ion:152 Resp: 283529

Ion Ratio Lower Upper

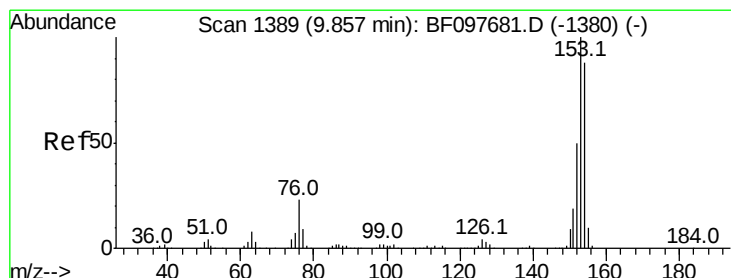
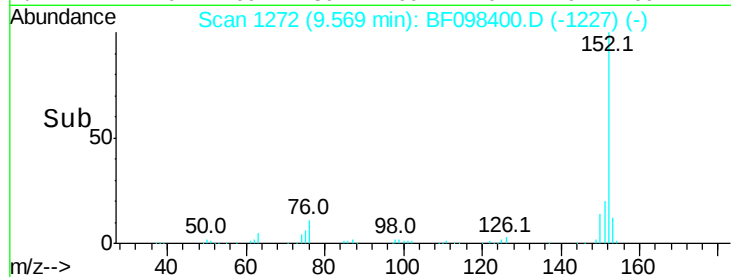
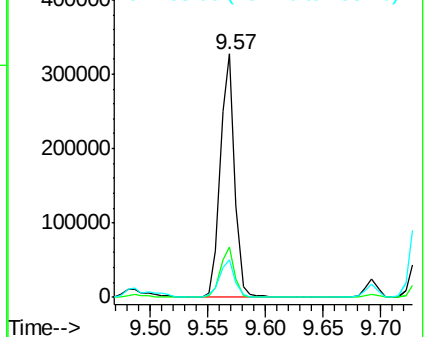
152 100

151 20.5 16.8 25.2

153 15.4 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 76.970 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

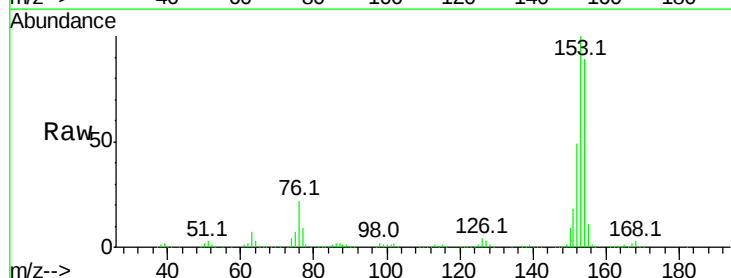
Tgt Ion:154 Resp: 846366

Ion Ratio Lower Upper

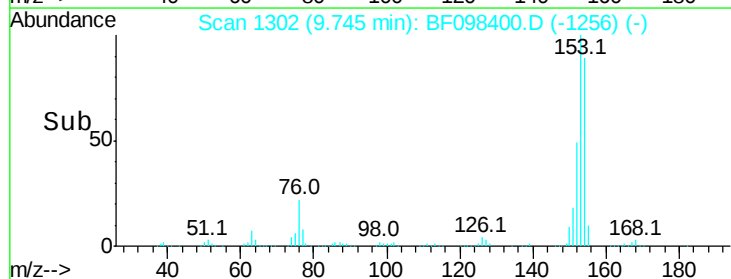
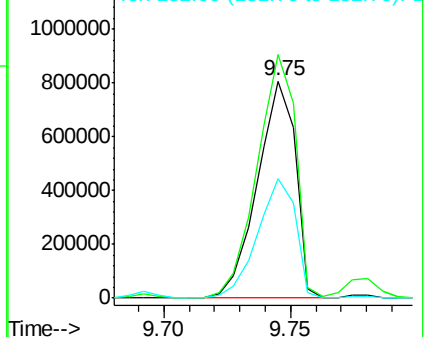
154 100

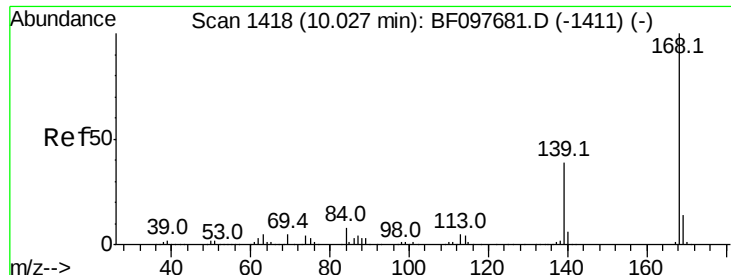
153 112.2 90.5 135.7

152 55.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

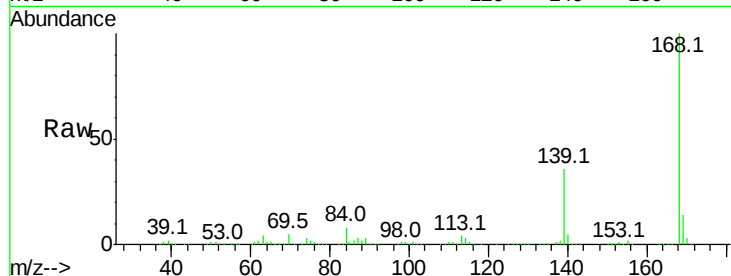




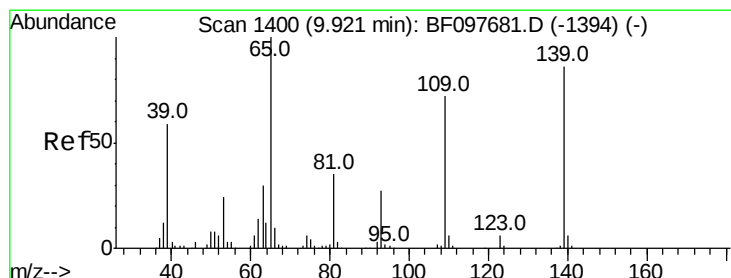
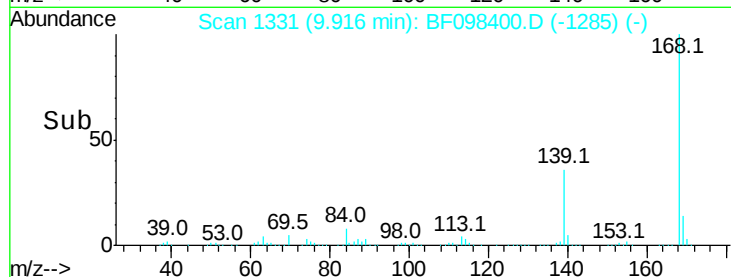
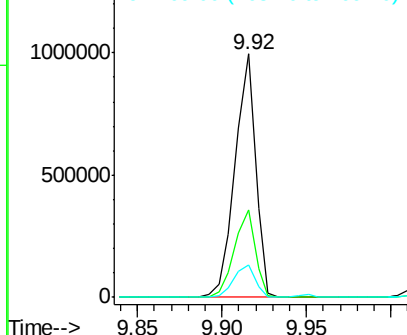
#54
Dibenzofuran
Concen: 57.355 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 845250
Ion Ratio Lower Upper
168 100
139 36.2 30.6 45.8
169 13.6 10.8 16.2

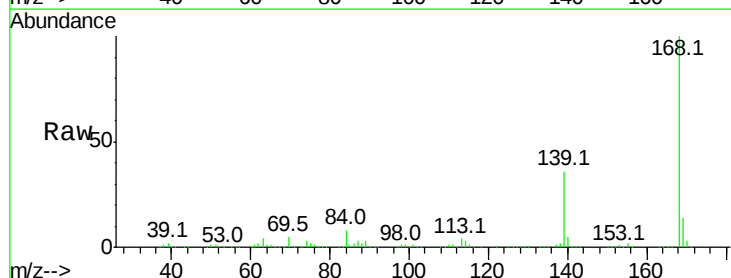


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

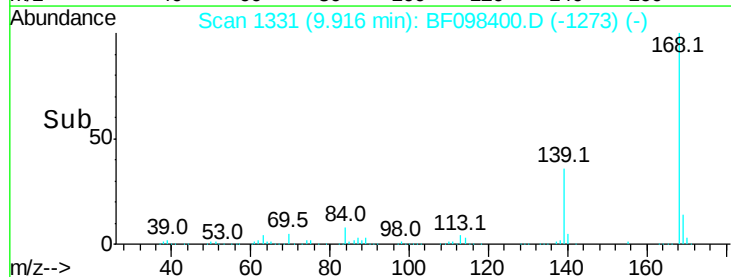
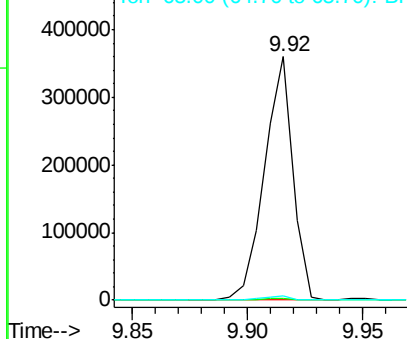


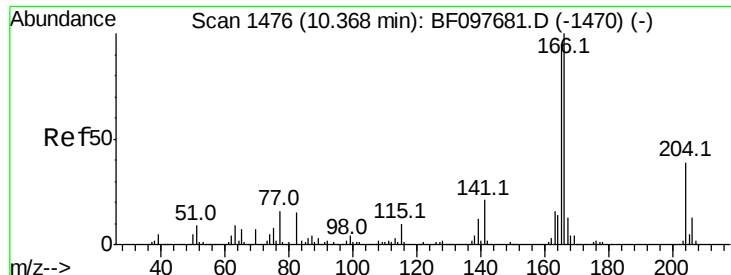
#55
4-Nitrophenol
Concen: 124.970 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:139 Resp: 309237
Ion Ratio Lower Upper
139 100
109 0.8 34.1 74.1#
65 1.5 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





#57

Fluorene

Concen: 63.383 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

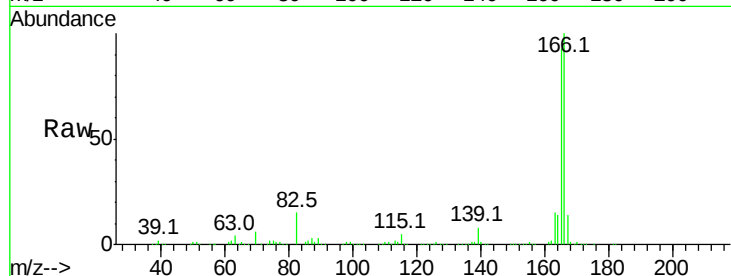
Tot Ion:166 Resp: 722184

Ion Ratio Lower Upper

166 100

165 92.9 78.8 118.2

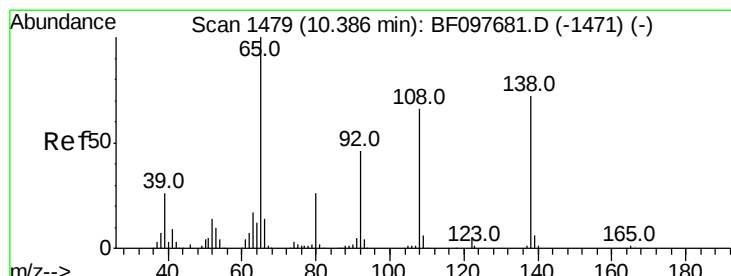
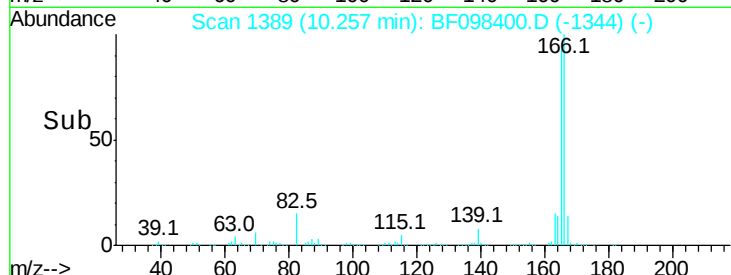
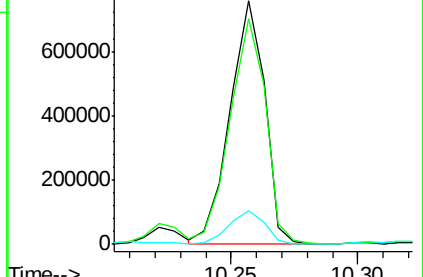
167 13.7 10.6 16.0



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



#61

4-Nitroaniline

Concen: 2.599 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.06 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

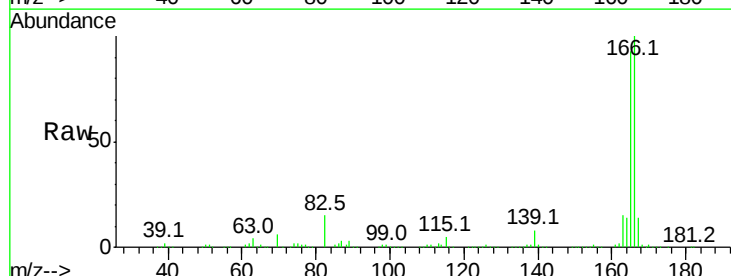
Tgt Ion:138 Resp: 7663

Ion Ratio Lower Upper

138 100

92 0.0 21.8 61.8#

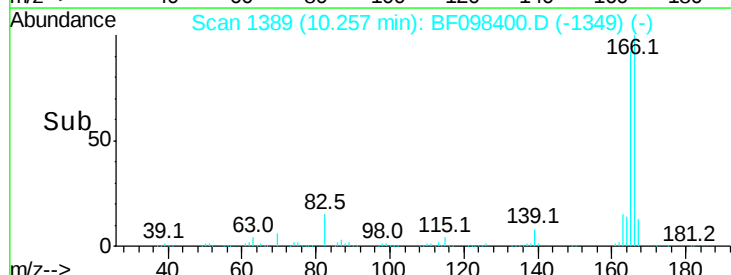
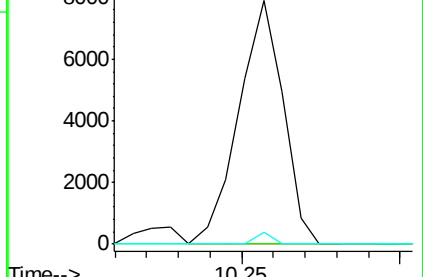
108 4.7 42.3 82.3#

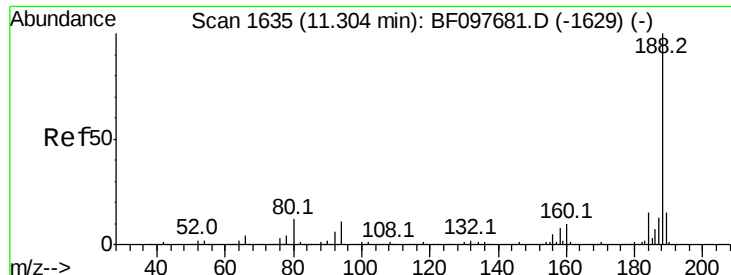


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

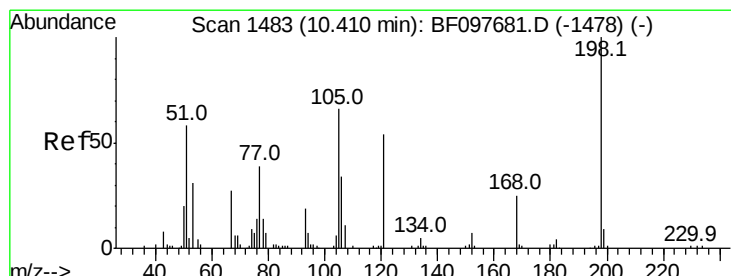
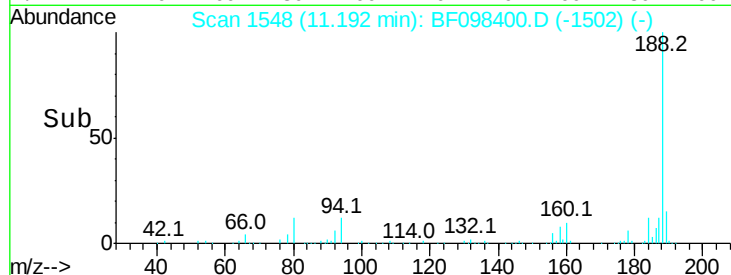
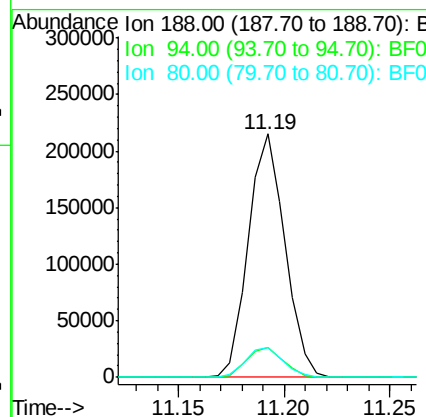
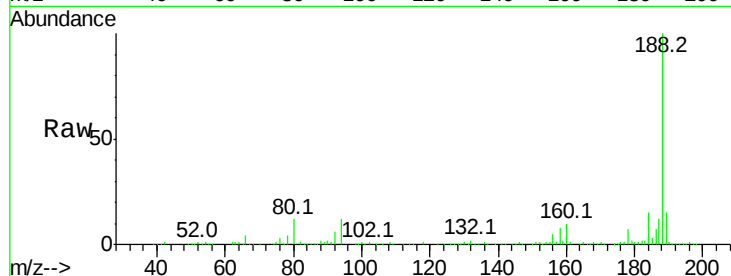




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.03 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

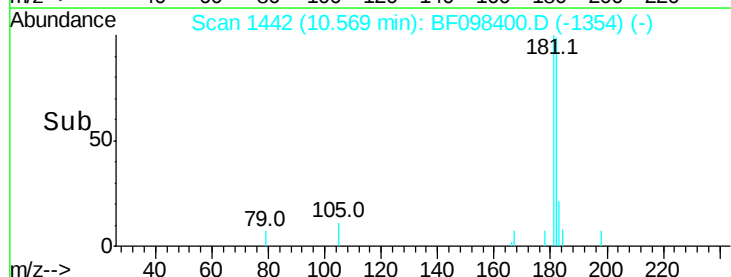
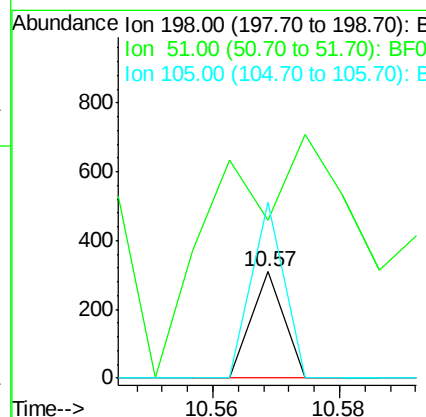
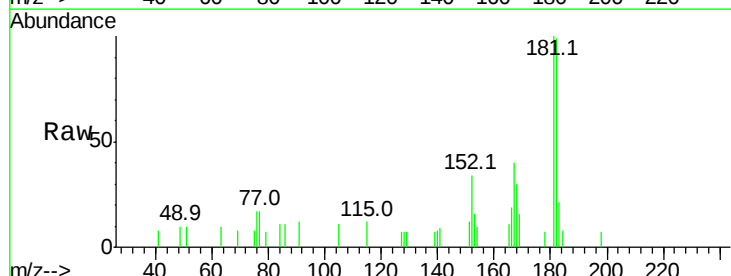
Instrument :
 BNA_F
 ClientSampled :

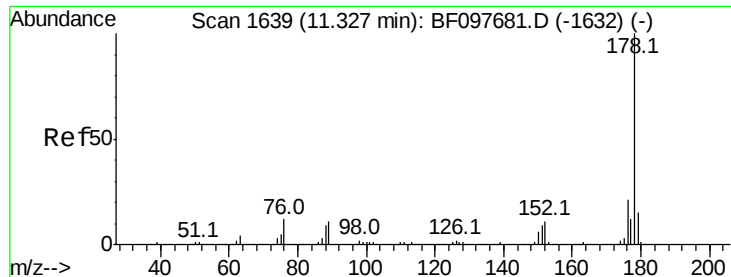
Tot Ion:188 Resp: 258785
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.4 14.2
 80 12.1 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.395 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.22 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion:198 Resp: 109
 Ion Ratio Lower Upper
 198 100
 51 148.5 53.2 93.2#
 105 166.0 45.8 85.8#





#70

Phenanthrene

Concen: 173.773 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

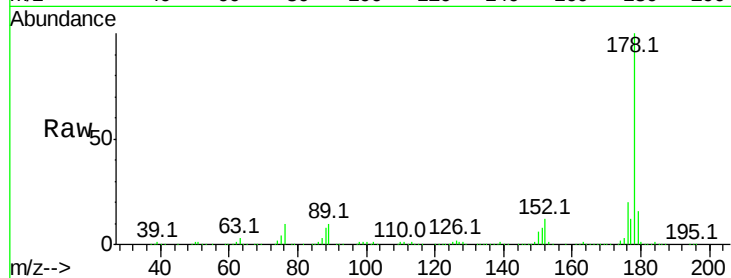
Tot Ion:178 Resp: 2396318

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

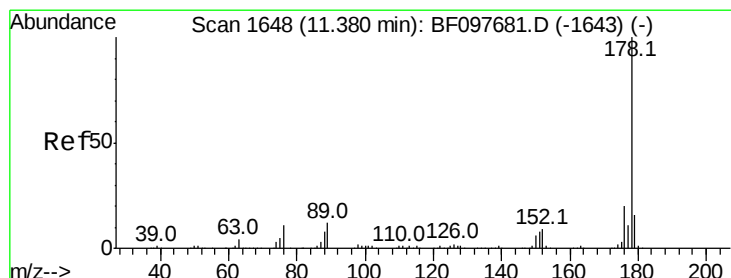
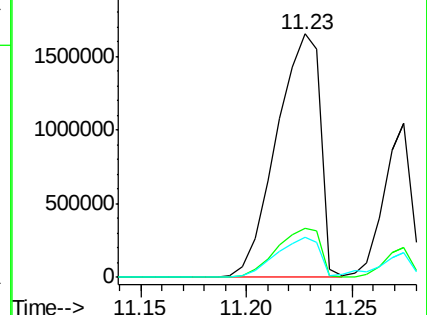
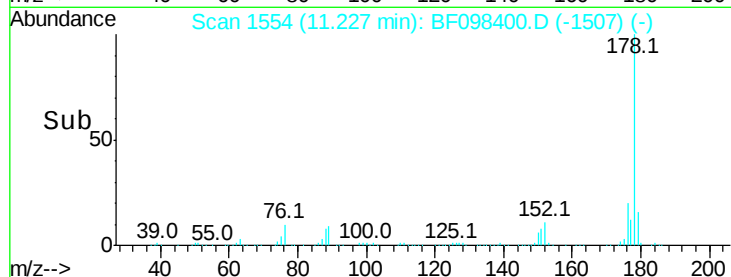
179 16.3 12.6 19.0



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: 66.062 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.03 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

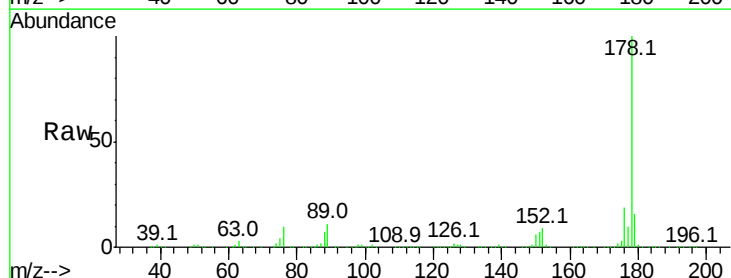
Tgt Ion:178 Resp: 923993

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

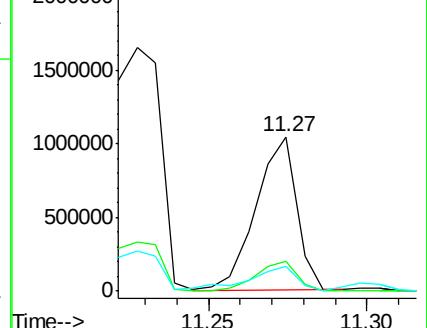
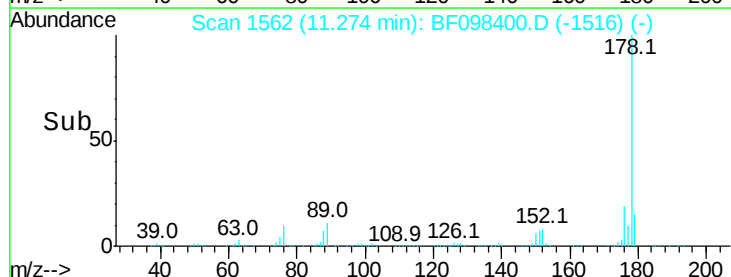
179 15.7 12.7 19.1

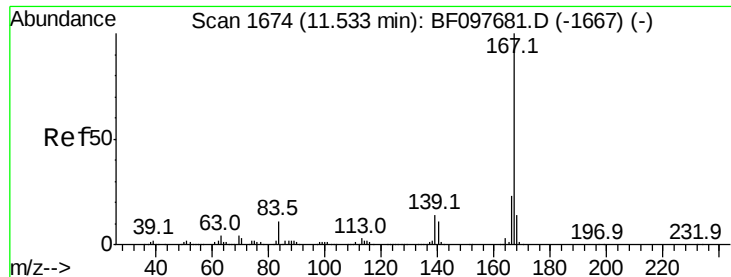


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

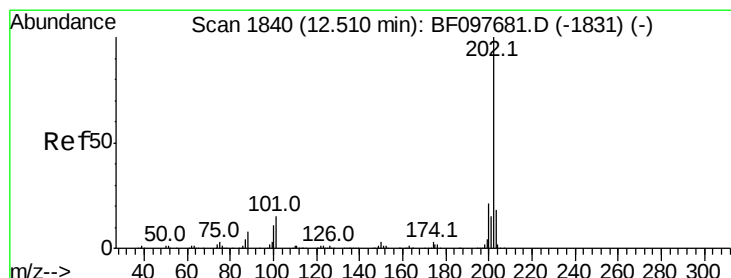
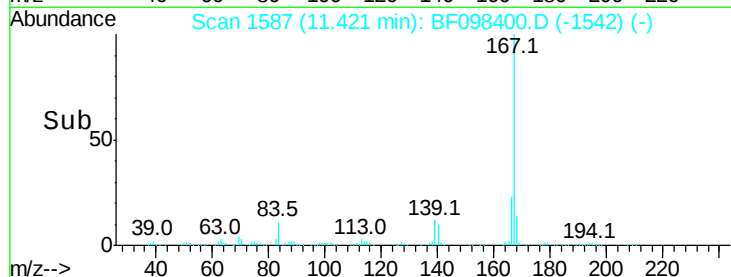
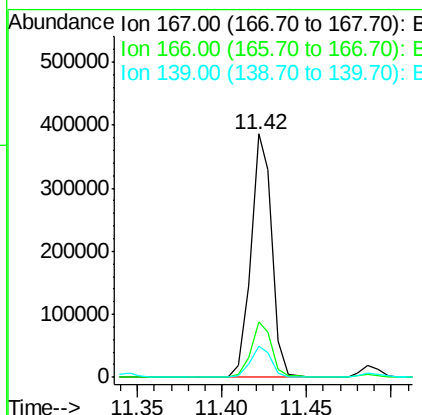
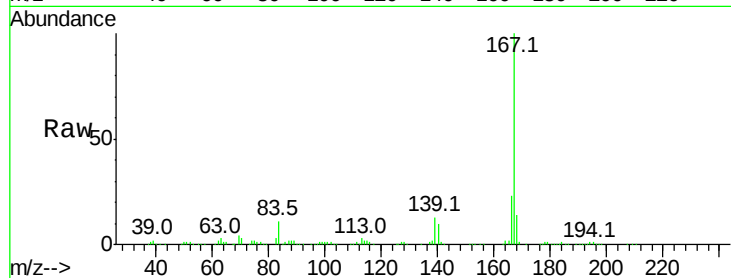




#72
 Carbazole
 Concen: 25.291 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.04 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

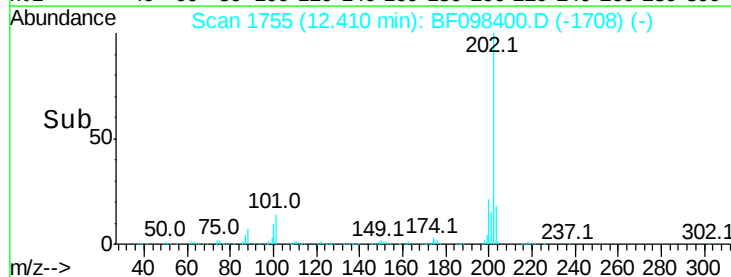
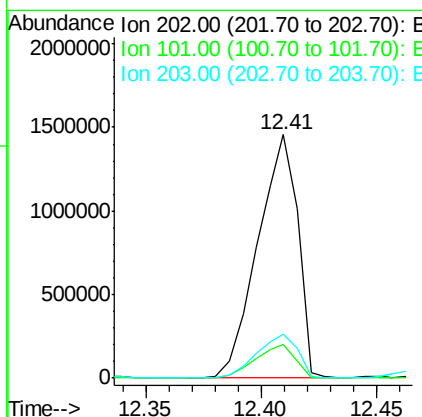
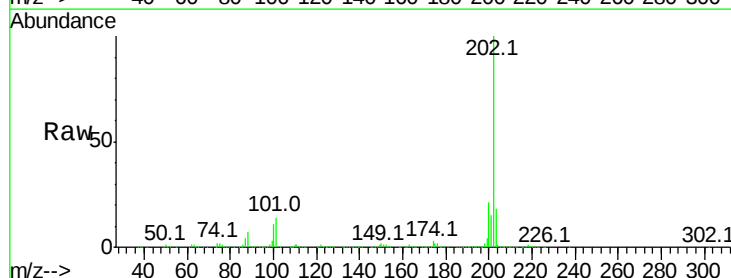
Instrument :
 BNA_F
 ClientSampleId :

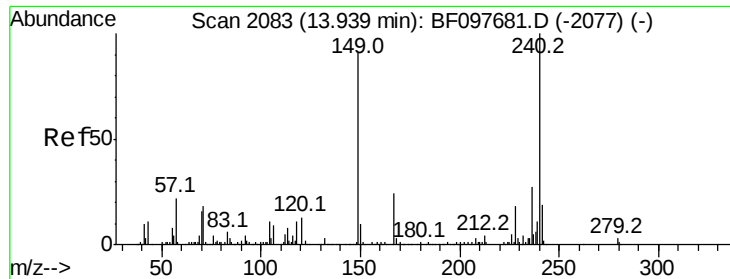
Tot Ion:167 Resp: 335767
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.1 27.1
 139 12.6 11.7 17.5



#74
 Fluoranthene
 Concen: 121.029 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BF098400.D
 Acq: 9 Sep 2017 21:54

Tgt Ion:202 Resp: 1742024
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

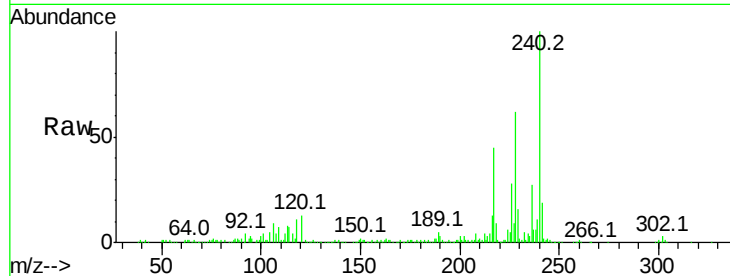
Tot Ion:240 Resp: 195912

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

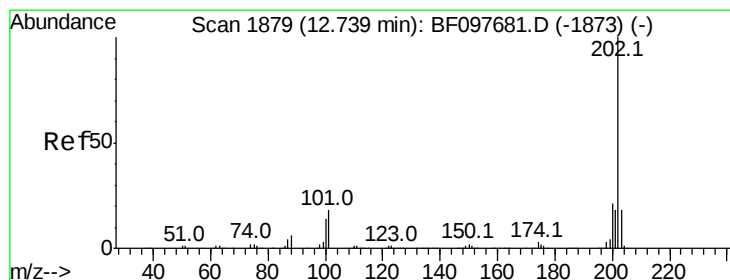
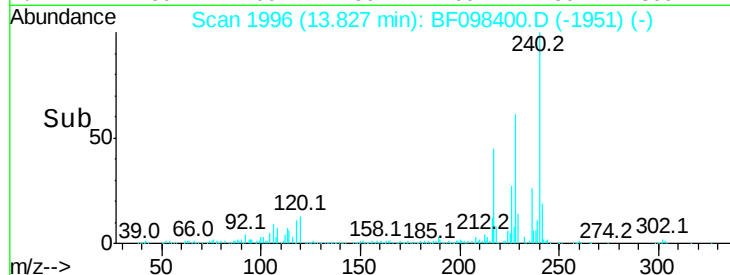
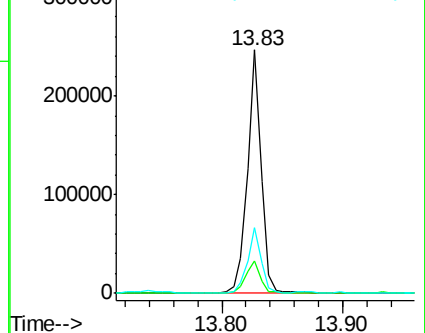
236 26.9 20.5 30.7



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: 95.224 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

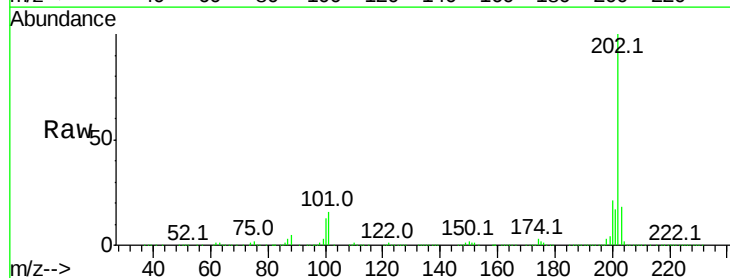
Tgt Ion:202 Resp: 1525801

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

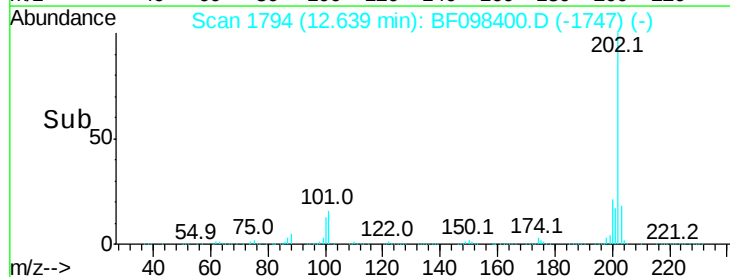
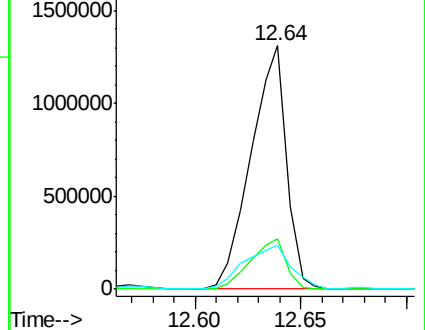
203 18.1 14.4 21.6

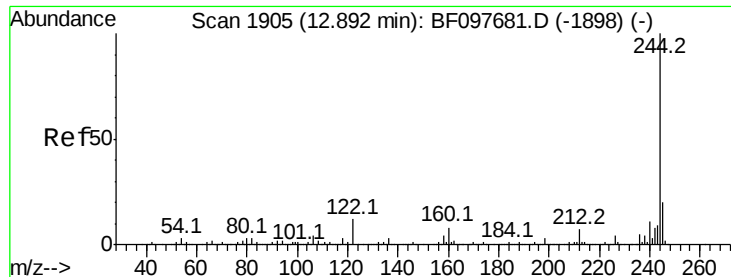


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.820 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.04 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampled :

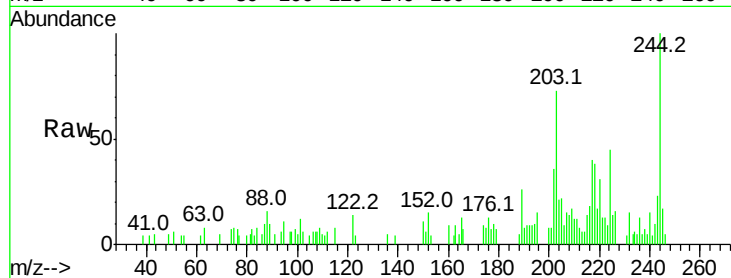
Tot Ion:244 Resp: 7708

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

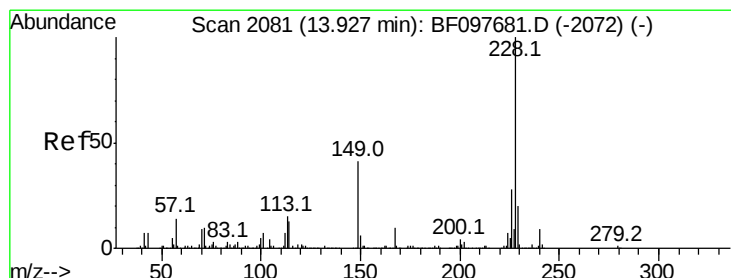
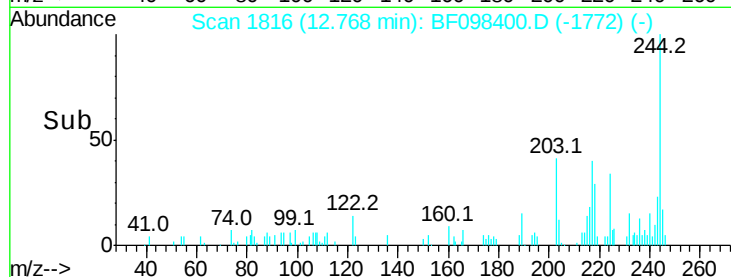
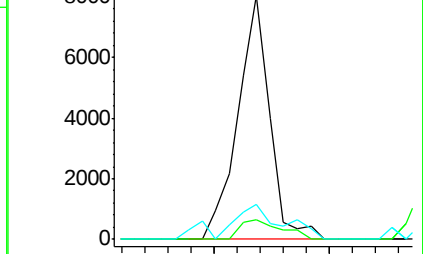
122 14.2 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 47.856 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

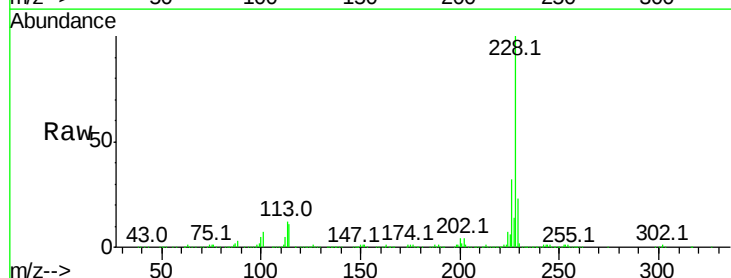
Tgt Ion:228 Resp: 561916

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

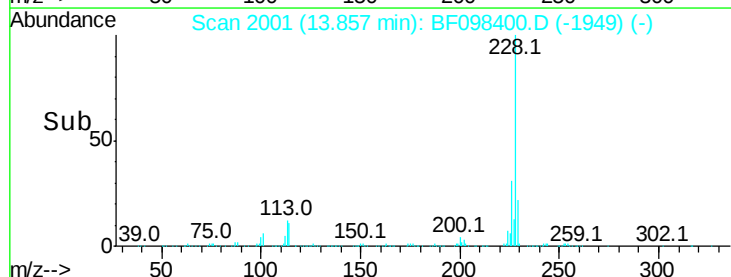
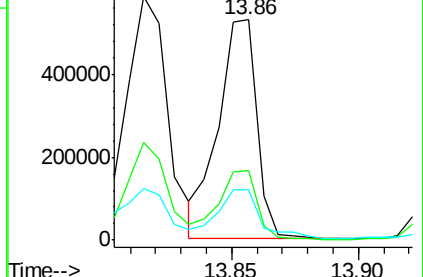
229 22.7 16.3 24.5

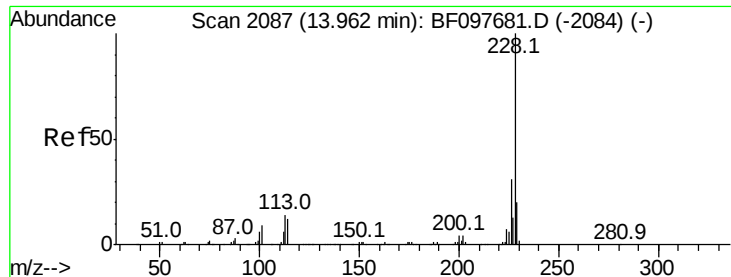


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 48.108 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

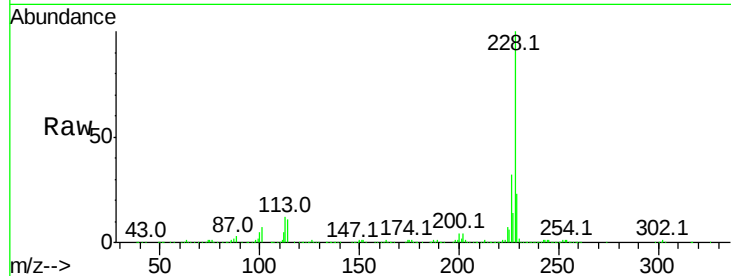
Tot Ion:228 Resp: 561916

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

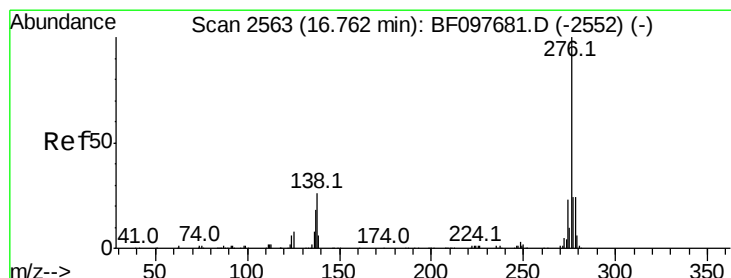
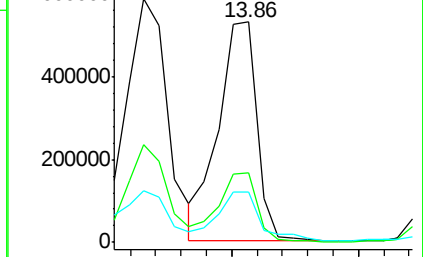
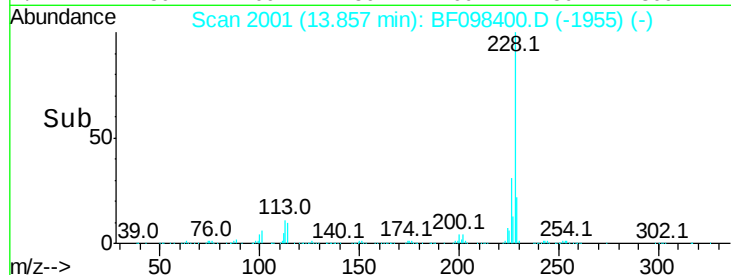
229 22.7 15.8 23.6



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: 4.752 ng

RT: 16.42 min Scan# 2437

Delta R.T. -0.22 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

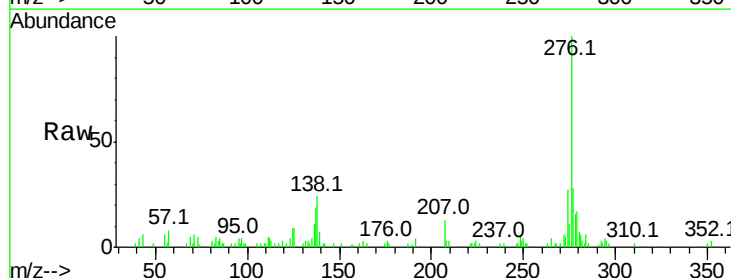
Tgt Ion:276 Resp: 40834

Ion Ratio Lower Upper

276 100

138 32.0 27.8 41.6

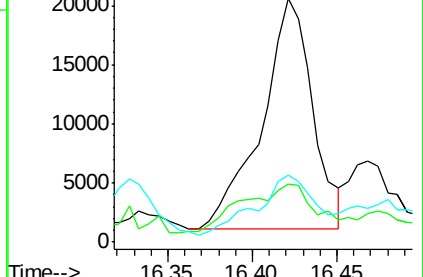
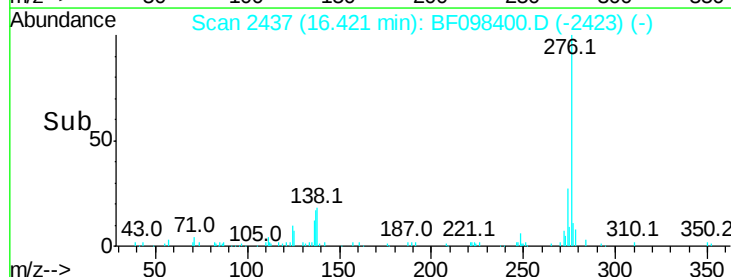
277 28.4 20.2 30.4

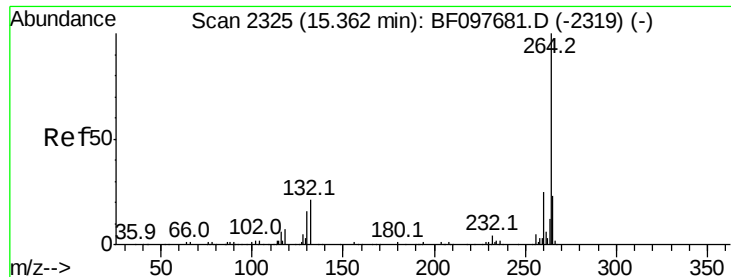


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



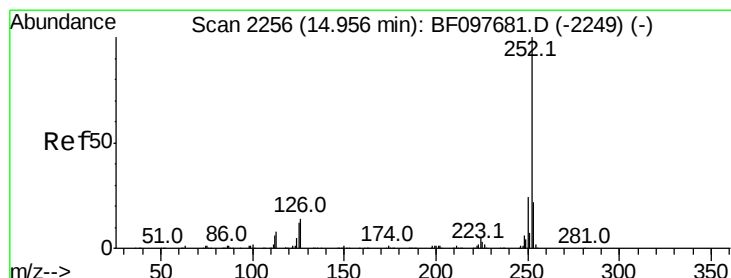
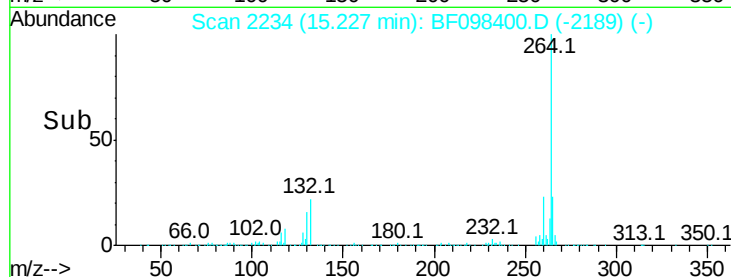
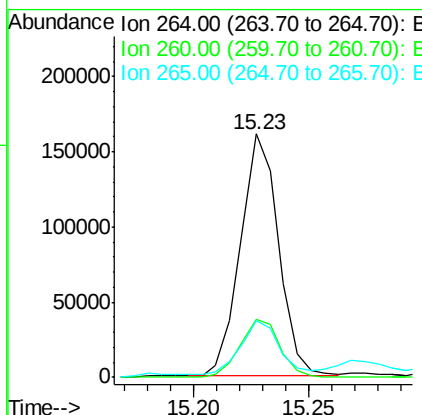
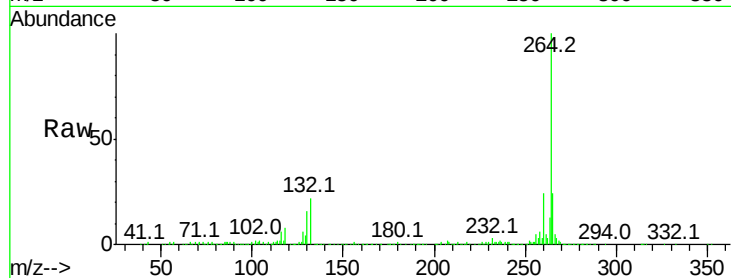


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 186227

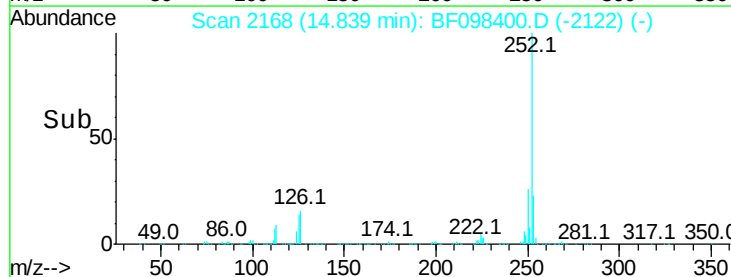
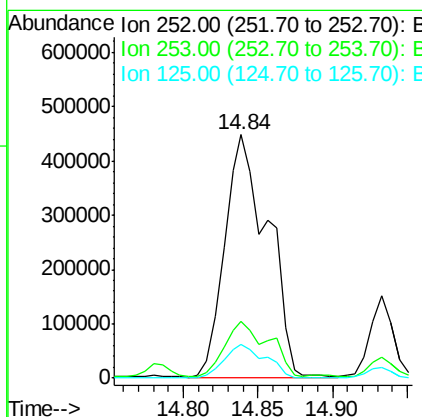
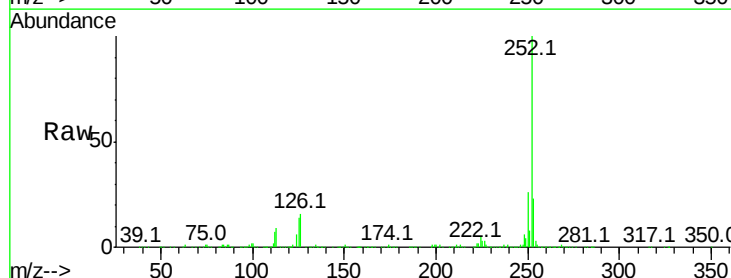
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	23.5	17.2	25.8

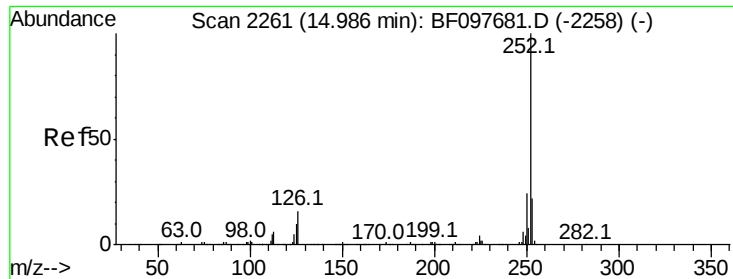


#87
Benzo(b)fluoranthene
Concen: 76.407 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.03 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:252 Resp: 896898

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.9	9.8	14.8

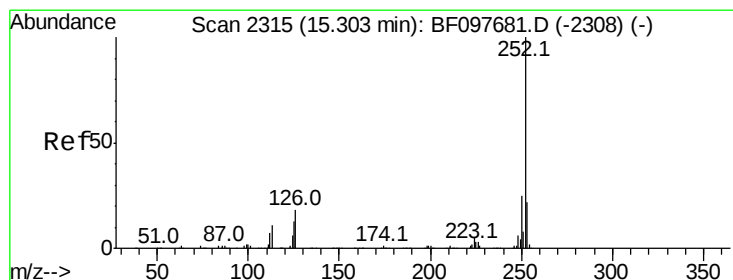
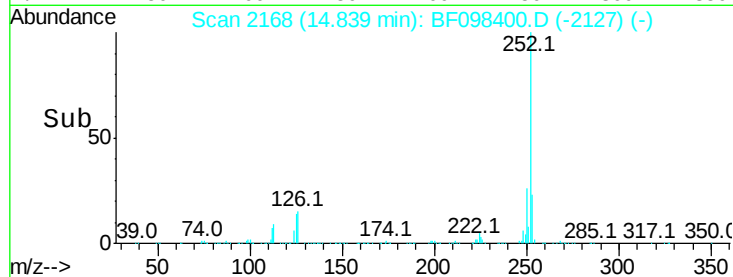
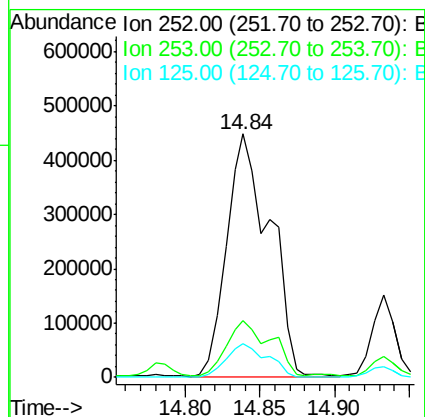
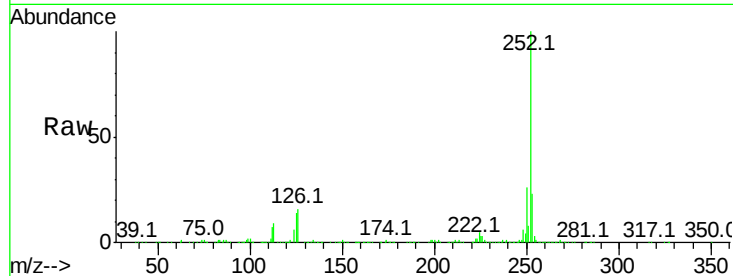




#88
Benzo(k)fluoranthene
Concen: 81.327 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.06 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

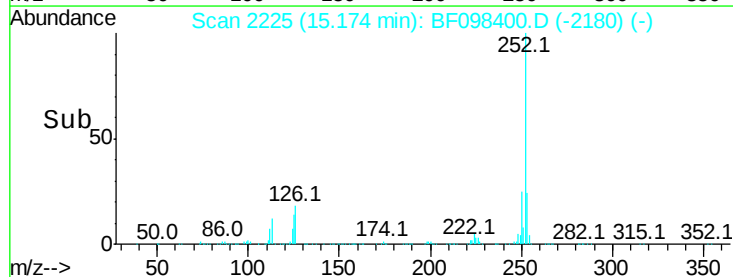
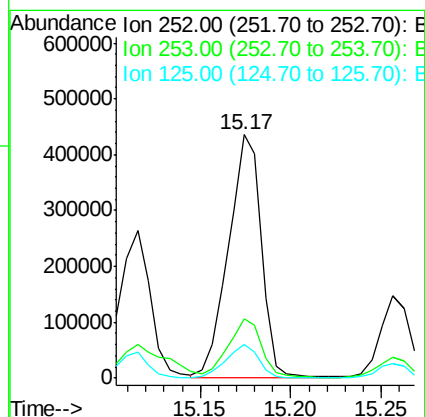
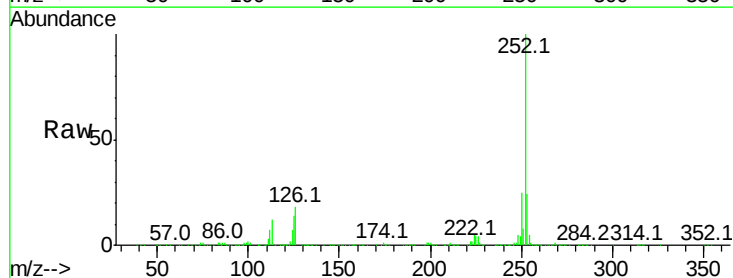
Instrument :
BNA_F
ClientSampleId :

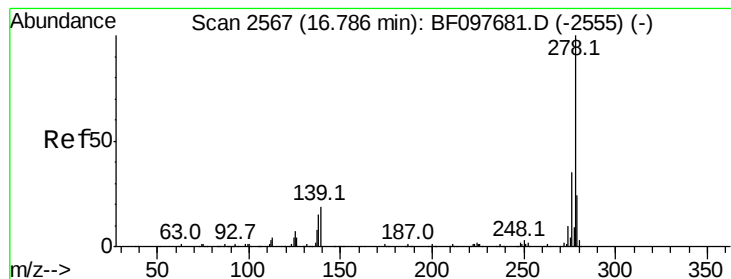
Tot Ion:252 Resp: 896898
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 13.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 52.474 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF098400.D
Acq: 9 Sep 2017 21:54

Tgt Ion:252 Resp: 545300
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 13.8 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 5.838 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.08 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

Instrument :

BNA_F

ClientSampleId :

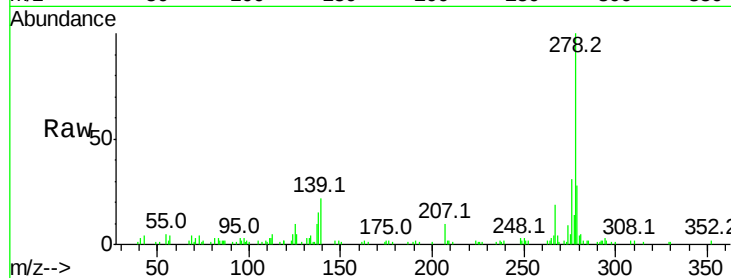
Tot Ion:278 Resp: 49389

Ion Ratio Lower Upper

278 100

139 22.3 16.6 24.8

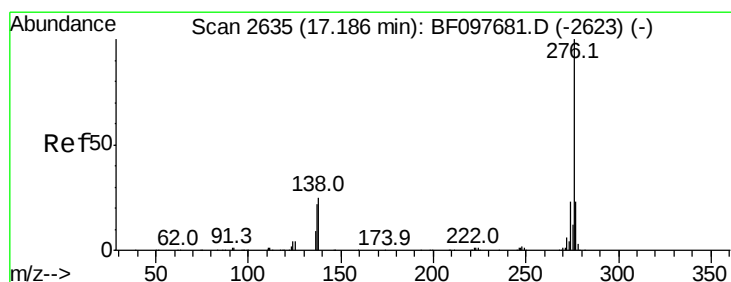
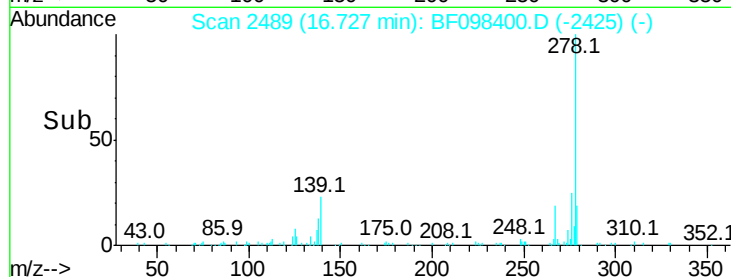
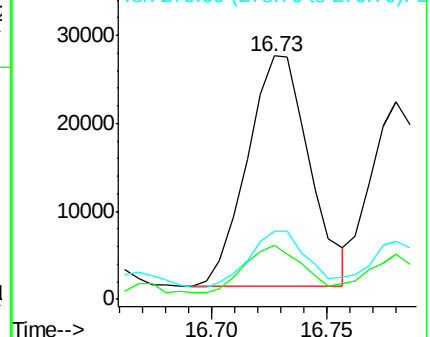
279 27.8 19.3 28.9



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: 25.500 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.07 min

Lab File: BF098400.D

Acq: 9 Sep 2017 21:54

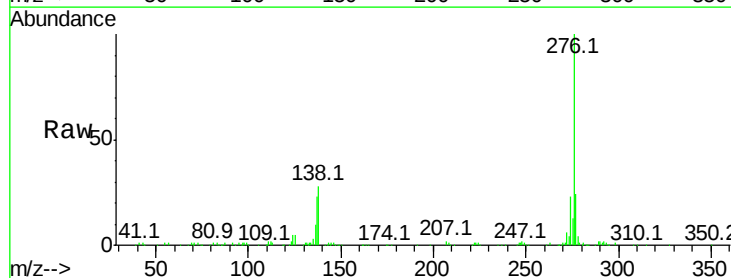
Tgt Ion:276 Resp: 225103

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 28.4 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

