

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086949.D
 Acq On : 13 May 2016 00:18
 Operator : UM/SJ
 Sample : H2994-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1772-00(0-2)

Quant Time: May 13 00:52:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	505333	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	225914	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	316930	20.00	ng	-0.08
75) Chrysene-d12	13.77	240	272489	20.00	ng	-0.07
86) Perylene-d12	15.13	264	277681	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	783796	0.00	ng	-0.08
7) Phenol-d6	6.30	99	1130755	0.00	ng	-0.07
23) Nitrobenzene-d5	7.20	82	871010	86.55	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	178762	74.74	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	1182450	87.97	ng	-0.07
78) Terphenyl-d14	12.72	244	636216	49.54	ng	-0.08

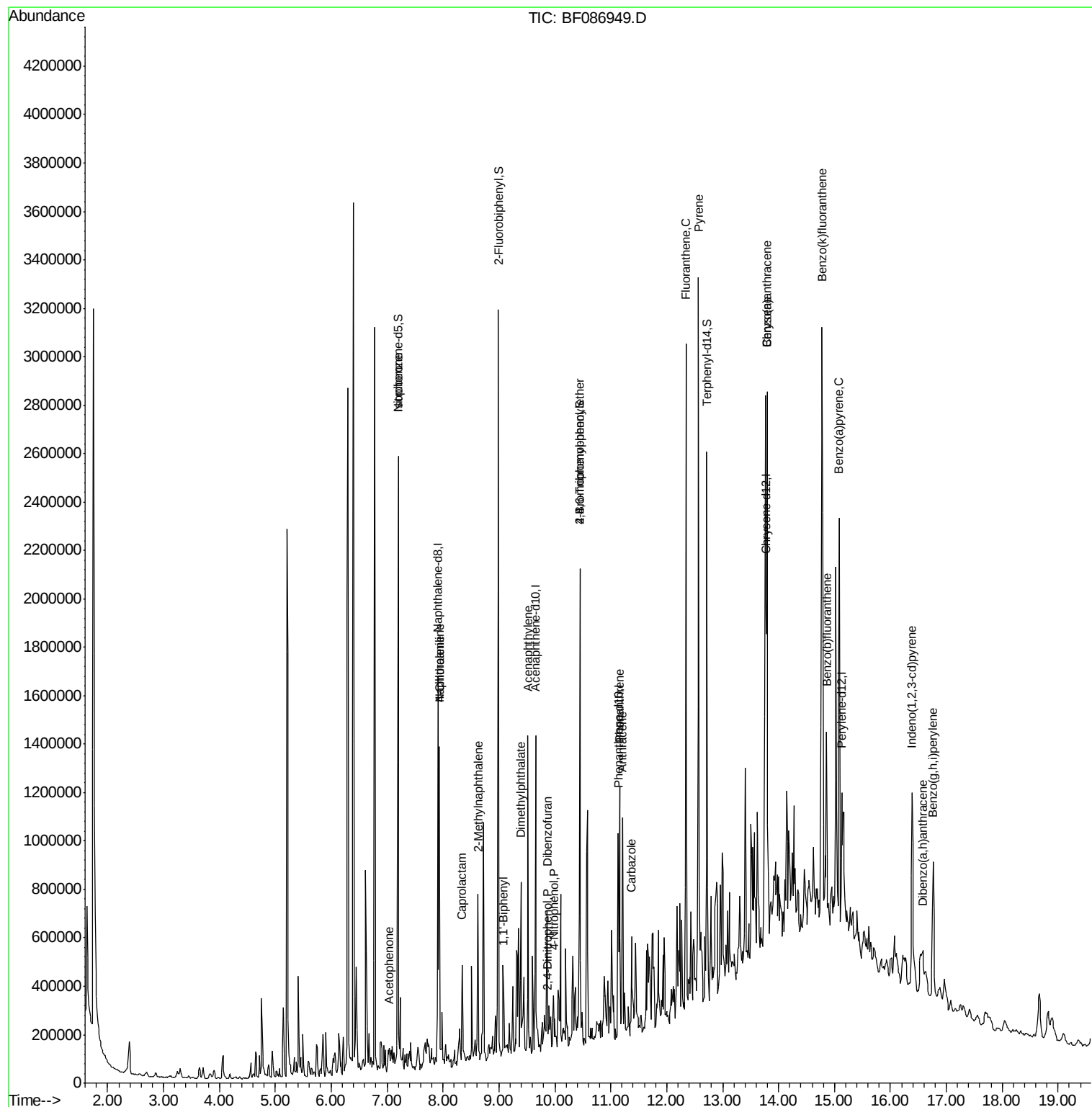
Target Compounds						Qvalue
22) Acetophenone	7.04	105	26081	2.19	ng	# 79
25) Isophorone	7.20	82	842641	45.13	ng	# 69
31) Naphthalene	7.93	128	478432	18.90	ng	99
33) 4-Chloroaniline	7.93	127	65255	6.64	ng	# 37
35) Caprolactam	8.34	113	7596	3.27	ng	# 1
37) 2-Methylnaphthalene	8.63	142	280280	18.94	ng	99
45) 1,1'-Biphenyl	9.08	154	39242	2.18	ng	96
48) Acenaphthylene	9.52	152	464771	22.44	ng	98
49) Dimethylphthalate	9.39	163	108260	6.28	ng	99
53) 2,4-Dinitrophenol	9.87	184	226	7.80	ng	# 1
54) Dibenzofuran	9.86	168	136429	8.25	ng	# 97
55) 4-Nitrophenol	9.98	139	5571	6.62	ng	85
60) 4-Chlorophenyl-phenylether	10.32	204	270	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.44	248	11150	3.47	ng	# 1
70) Phenanthrene	11.15	178	420150	24.84	ng	100
71) Anthracene	11.21	178	355692	20.56	ng	98
72) Carbazole	11.37	167	160595	10.80	ng	99
74) Fluoranthene	12.34	202	1308234	75.20	ng	99
77) Pyrene	12.57	202	1237505	59.32	ng	99
80) Benzo(a)anthracene	13.79	228	925557	60.51	ng	94
82) Chrysene	13.79	228	919367	59.08	ng	96
85) Indeno(1,2,3-cd)pyrene	16.39	276	504976	39.00	ng	# 89
87) Benzo(b)fluoranthene	14.86	252	337631	18.71	ng	94
88) Benzo(k)fluoranthene	14.78	252	1938952	131.22	ng	98
89) Benzo(a)pyrene	15.09	252	735139	47.23	ng	96
90) Dibenzo(a,h)anthracene	16.58	278	125510	9.57	ng	93
91) Benzo(g,h,i)perylene	16.77	276	422688	31.71	ng	# 94

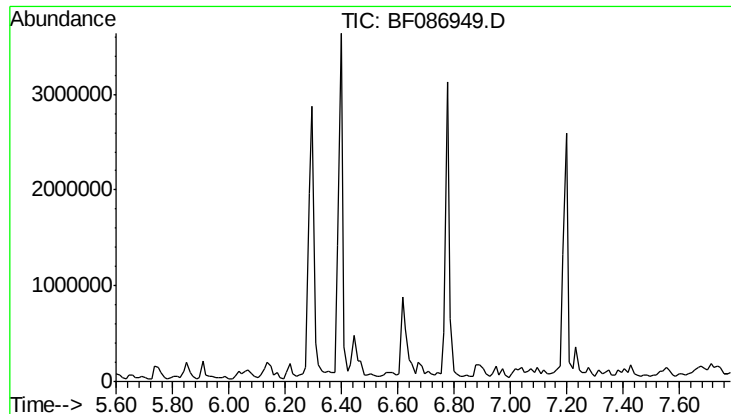
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

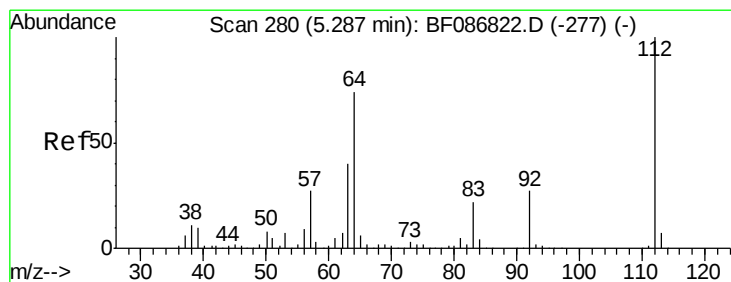
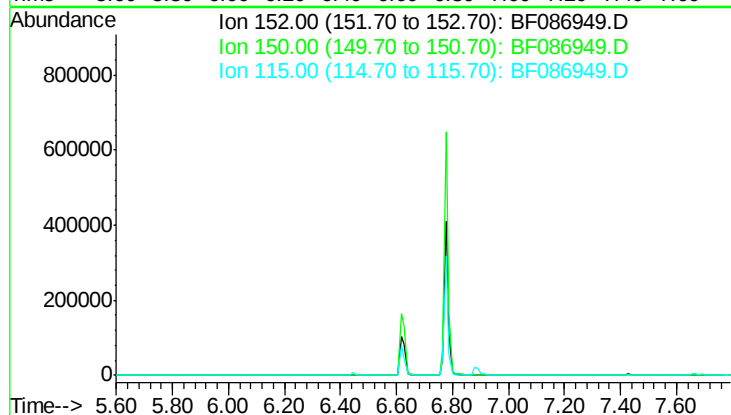
Tgt Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

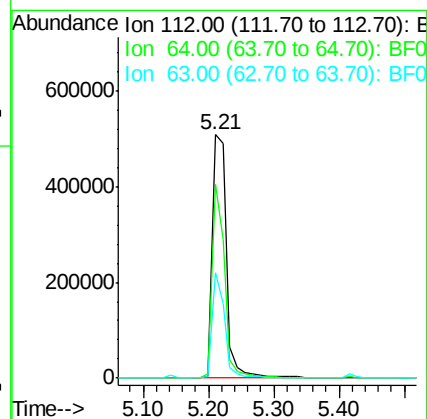
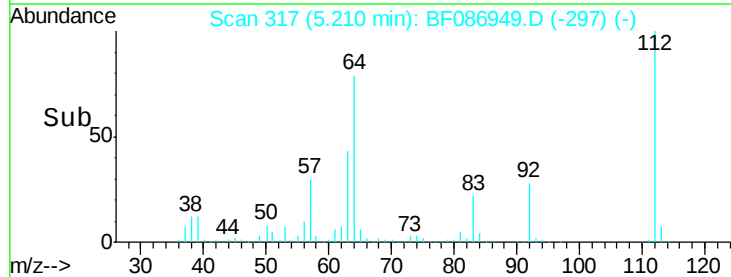
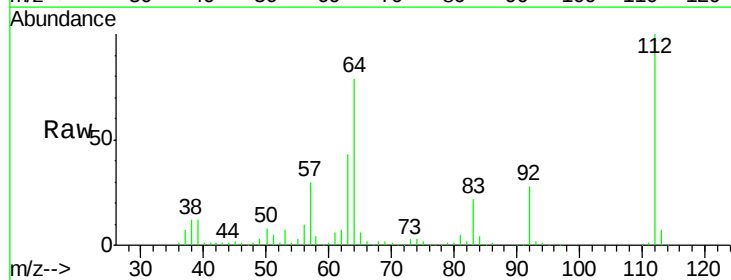
Tgt Ion: 112 Resp: 783796

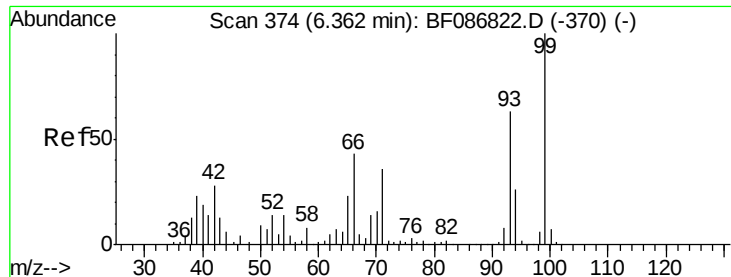
Ion Ratio Lower Upper

112 100

64 79.3 52.1 78.1#

63 43.4 25.7 38.5#





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

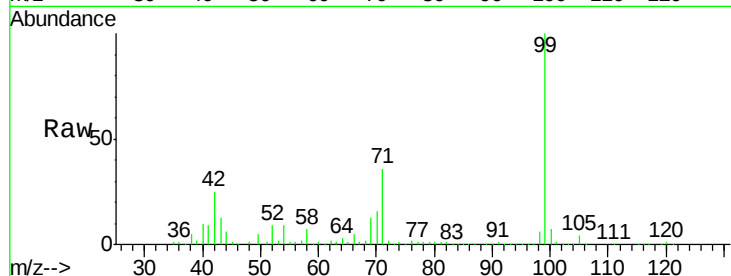
Tgt Ion: 99 Resp: 1130755

Ion Ratio Lower Upper

99 100

42 25.1 13.6 20.4#

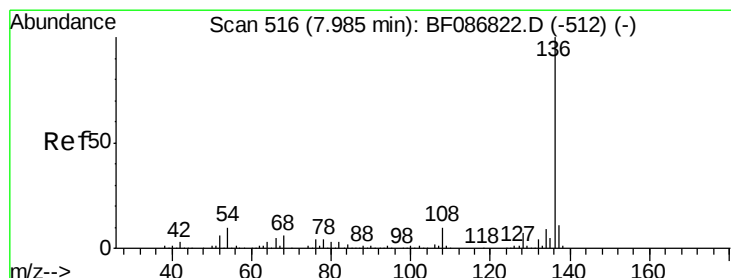
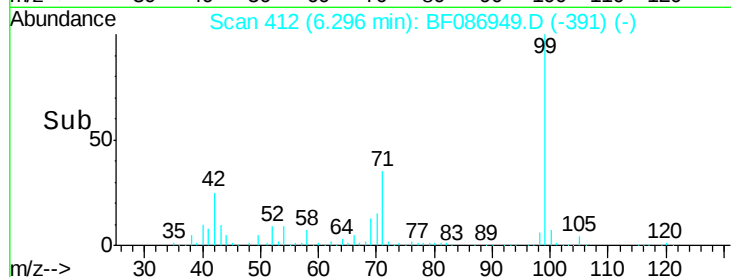
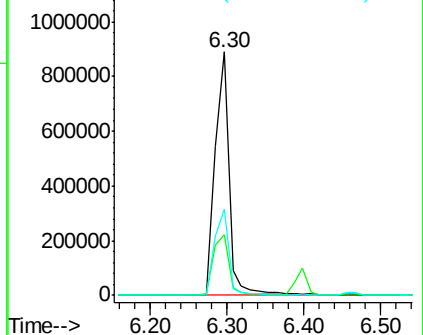
71 35.5 24.6 36.8



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: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Tgt Ion: 136 Resp: 505333

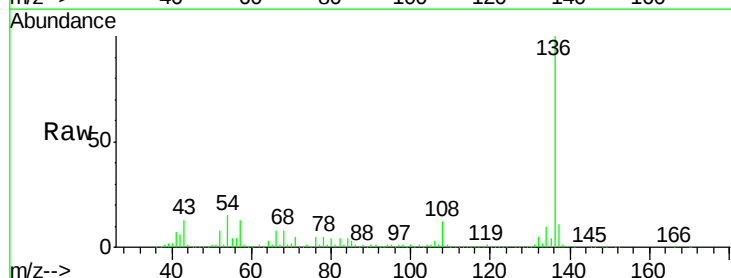
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 14.6 5.0 7.4#

68 7.6 4.4 6.6#

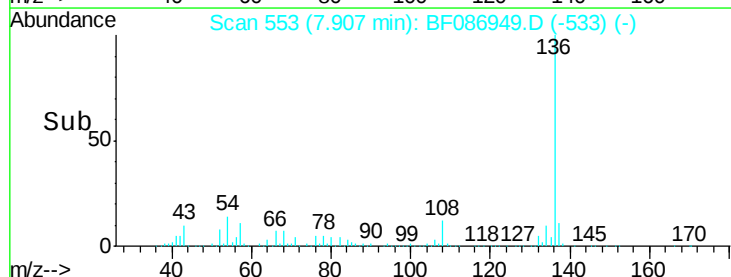
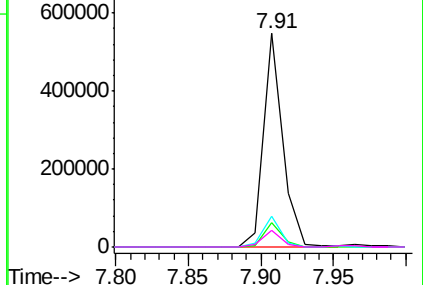


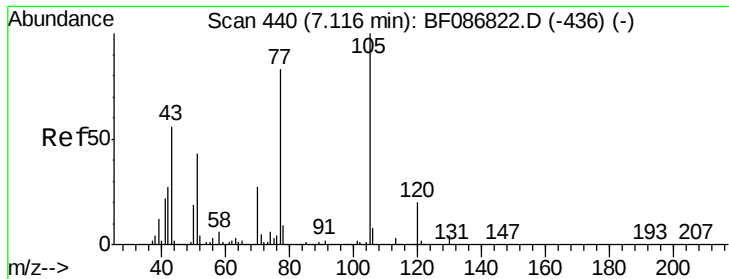
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.19 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

Tgt Ion: 105 Resp: 26081

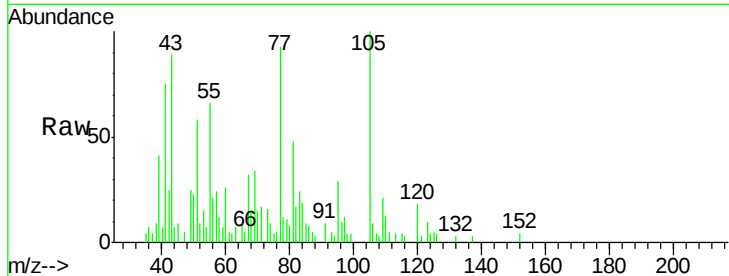
Ion Ratio Lower Upper

105 100

71 16.7 4.8 7.2#

51 57.6 32.6 49.0#

120 17.8 16.5 24.7

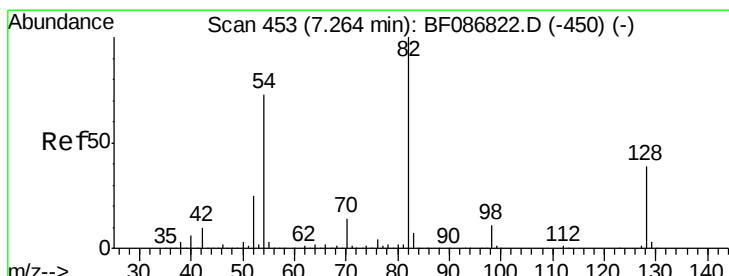
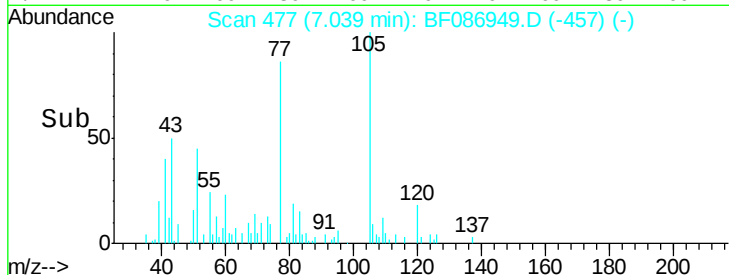
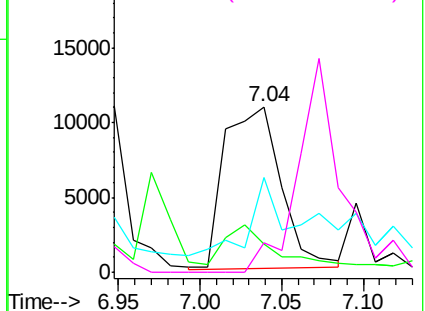


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 86.55 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

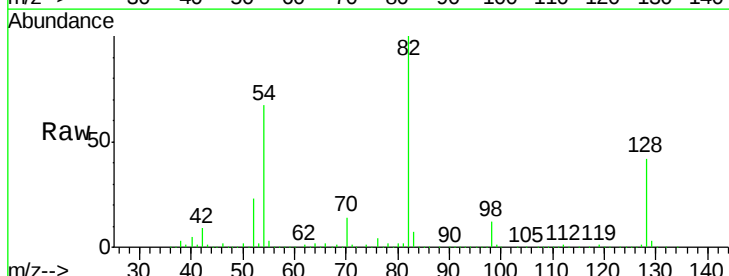
Tgt Ion: 82 Resp: 871010

Ion Ratio Lower Upper

82 100

128 42.3 40.6 61.0

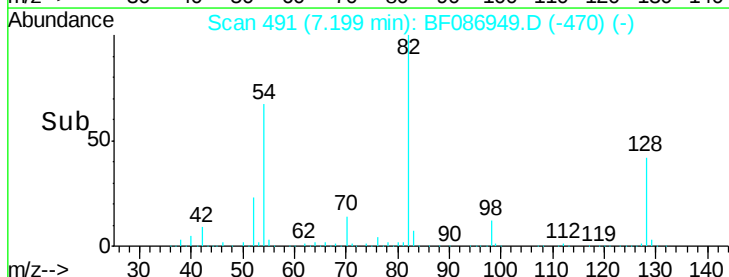
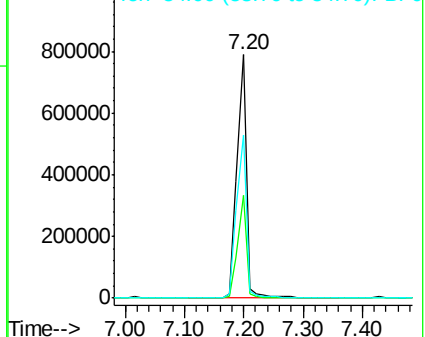
54 66.9 38.1 57.1#

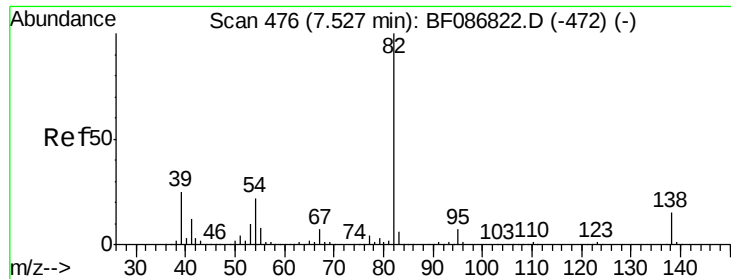


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.13 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.33 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

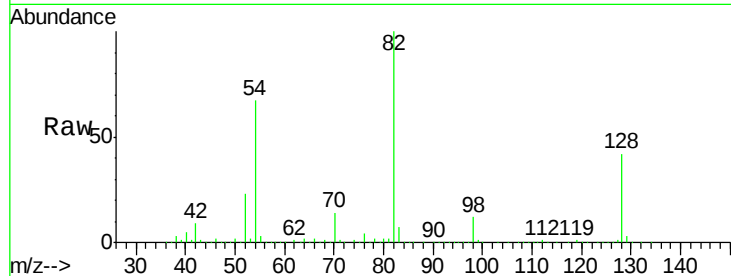
Tgt Ion: 82 Resp: 842641

Ion Ratio Lower Upper

82 100

95 0.2 5.1 7.7#

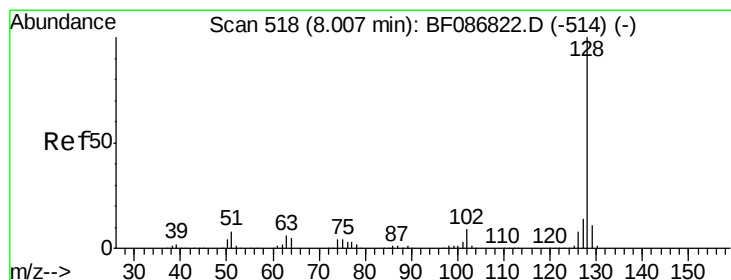
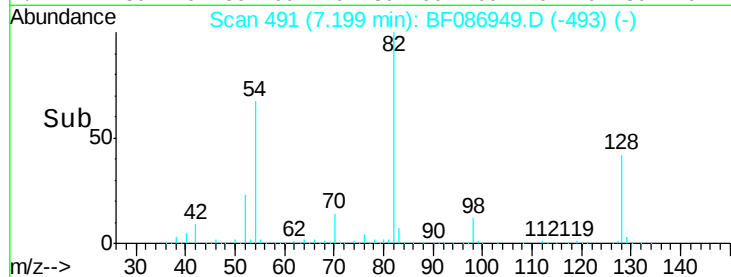
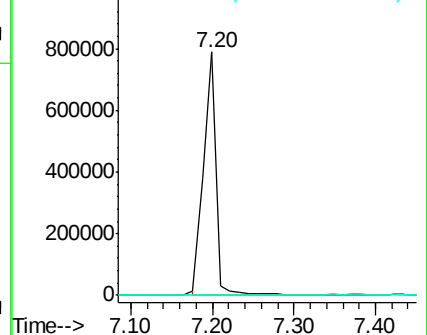
138 0.0 12.4 18.6#



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): E



#31

Naphthalene

Concen: 18.90 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

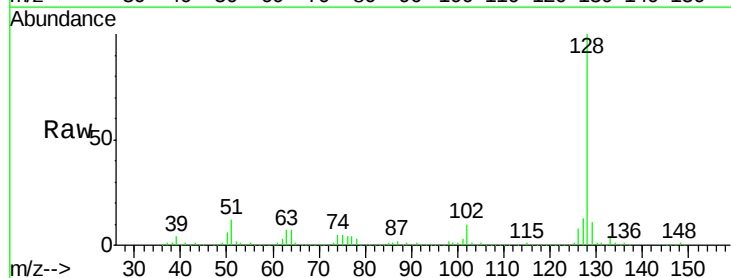
Tgt Ion: 128 Resp: 478432

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

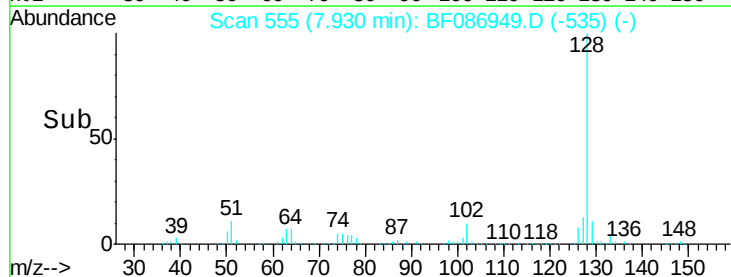
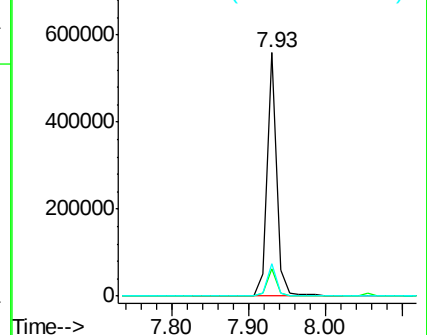
127 13.4 10.8 16.2

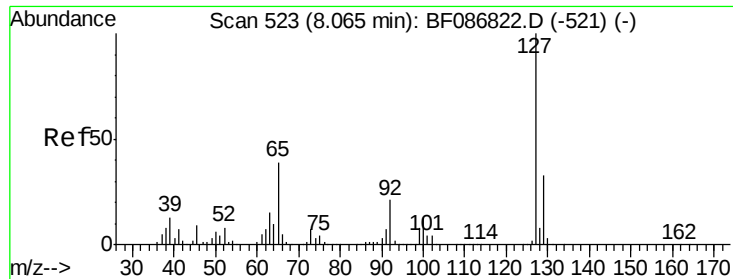


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

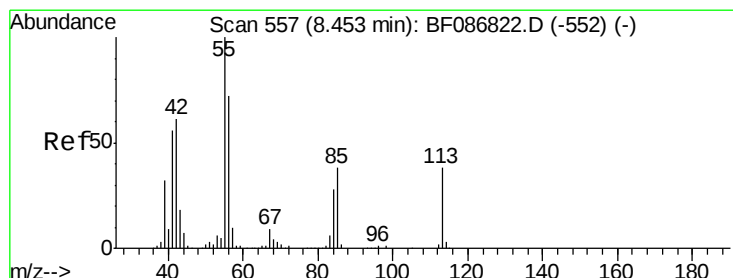
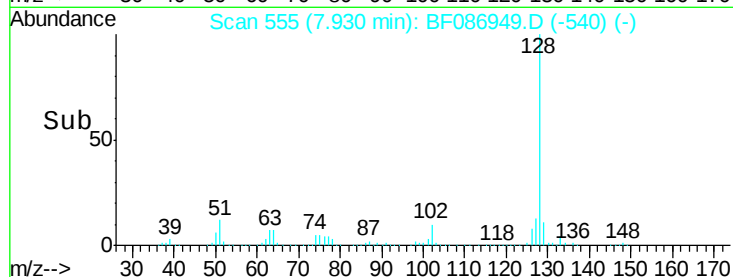
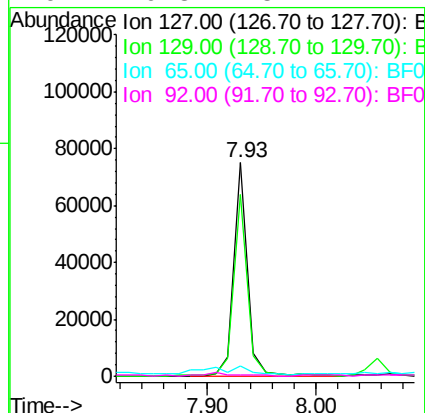
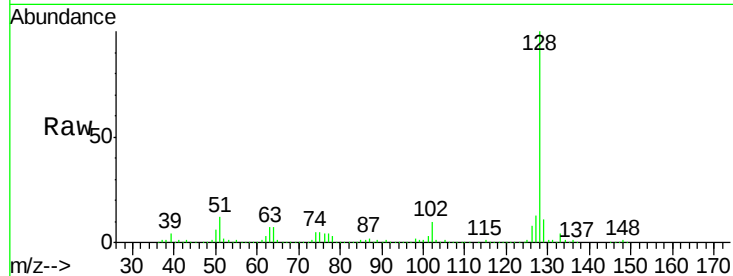




#33
 4-Chloroaniline
 Concen: 6.64 ng
 RT: 7.93 min Scan# 555
 Delta R.T. -0.13 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

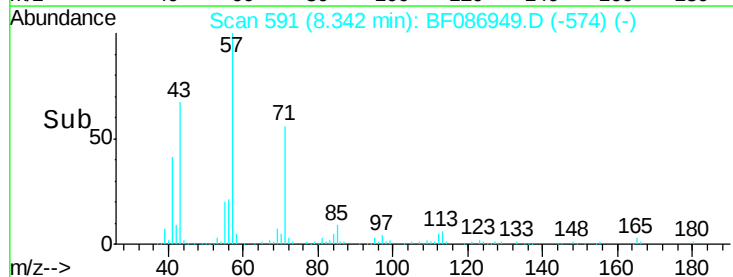
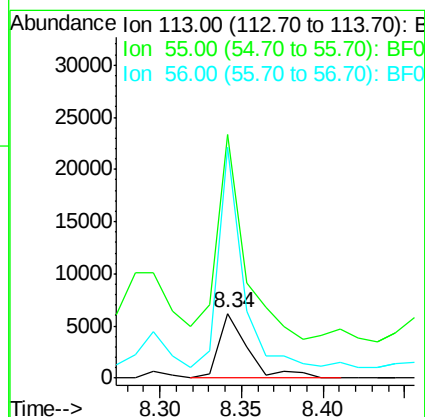
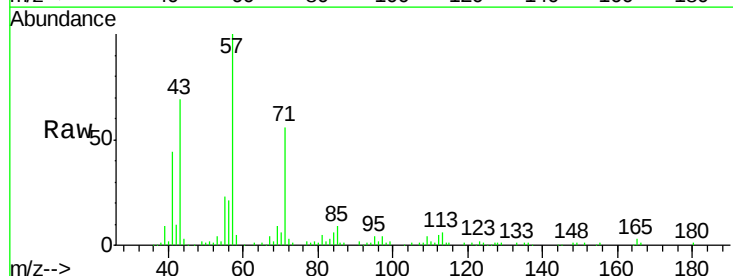
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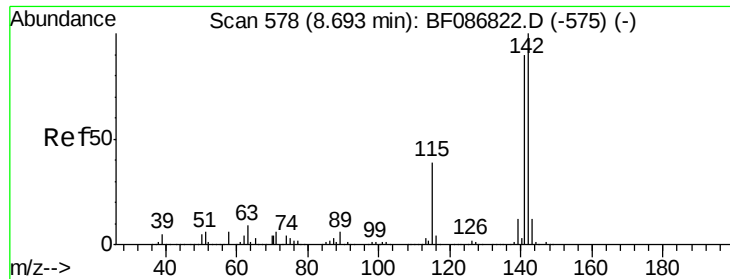
Tgt Ion:	127	Resp:	65255
Ion	Ratio	Lower	Upper
127	100		
129	84.9	26.2	39.4#
65	5.1	23.0	34.4#
92	0.8	15.1	22.7#



#35
 Caprolactam
 Concen: 3.27 ng
 RT: 8.34 min Scan# 591
 Delta R.T. -0.11 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

Tgt Ion:	113	Resp:	7596
Ion	Ratio	Lower	Upper
113	100		
55	375.5	162.0	202.0#
56	356.7	115.3	155.3#

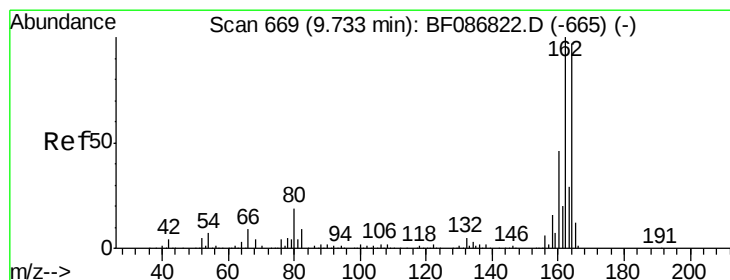
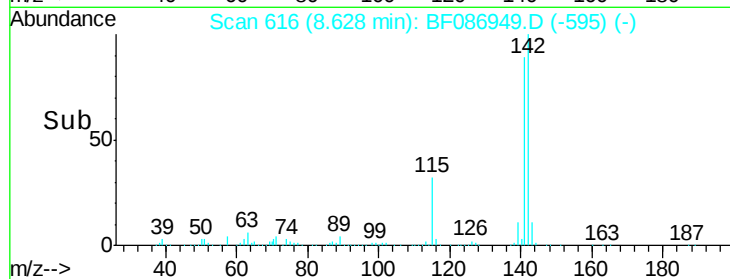
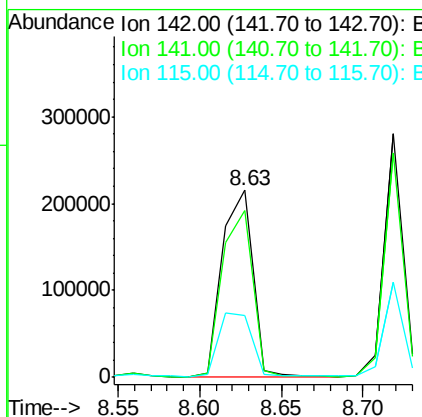
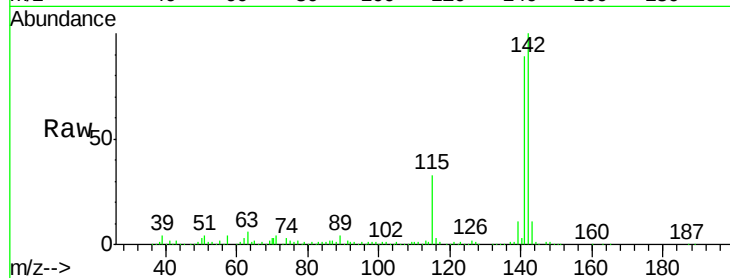




#37
 2-Methylnaphthalene
 Concen: 18.94 ng
 RT: 8.63 min Scan# 616
 Delta R.T. -0.07 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

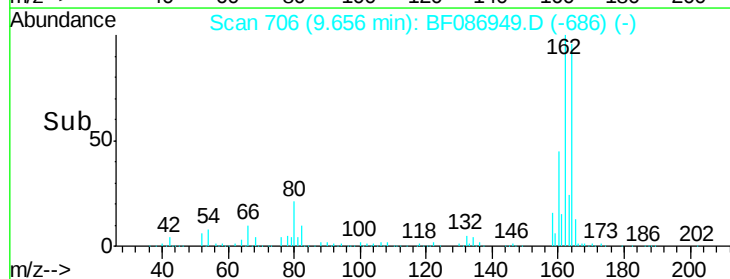
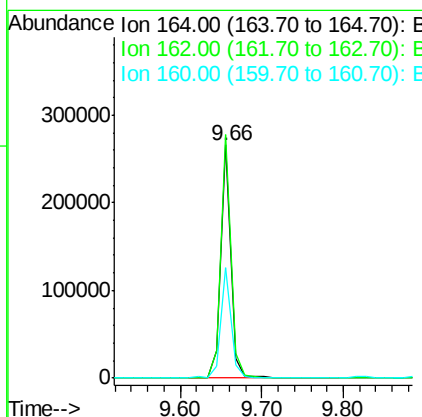
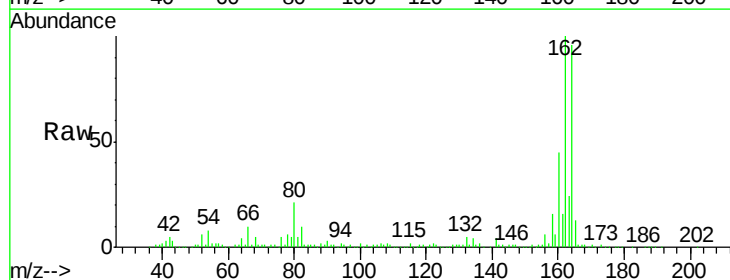
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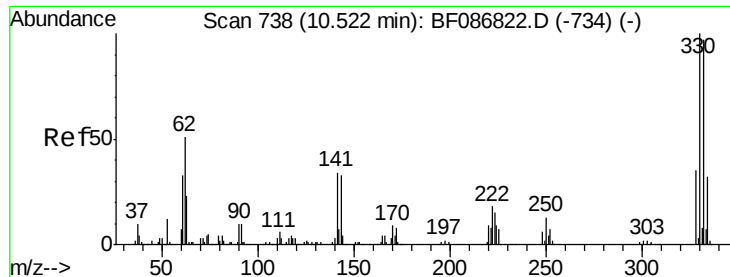
Tgt Ion:142 Resp: 280280
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.0 106.6
 115 32.8 26.6 39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

Tgt Ion:164 Resp: 225914
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.8 124.2
 160 47.1 36.9 55.3

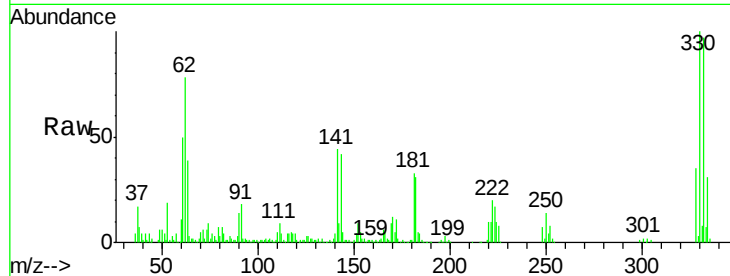




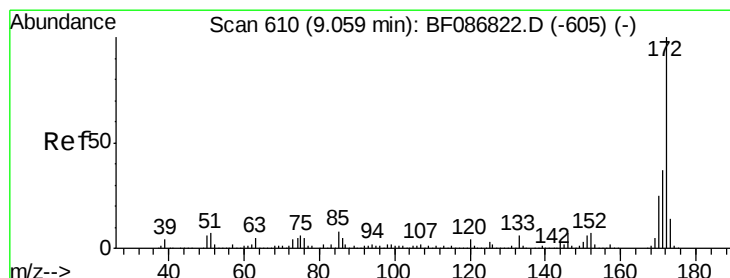
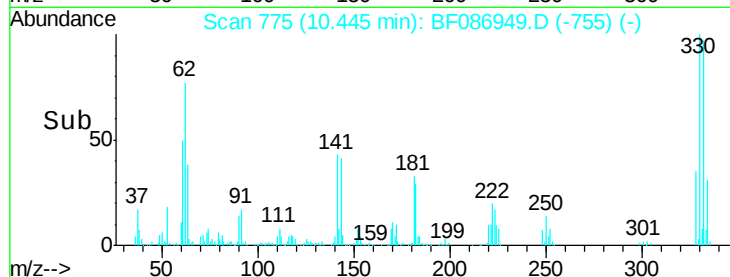
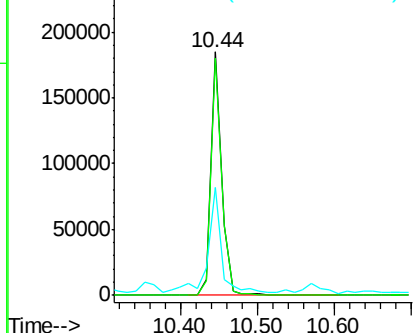
#41
 2,4,6-Tribromophenol
 Concen: 74.74 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1772-00(0-2)

Tgt Ion:330 Resp: 178762
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 53.2 31.2 46.8#

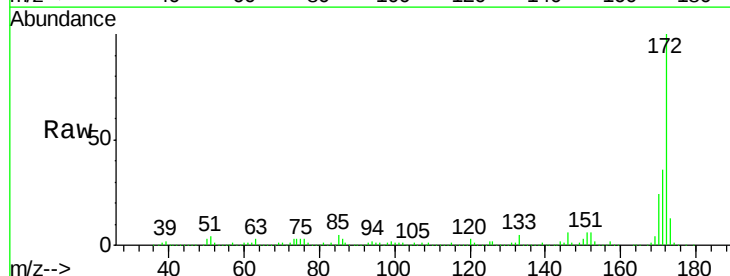


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

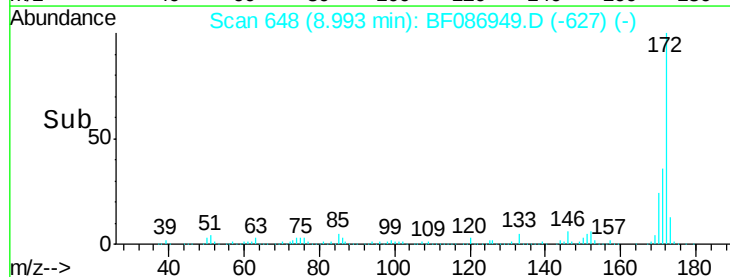
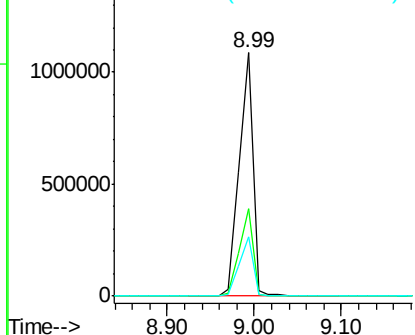


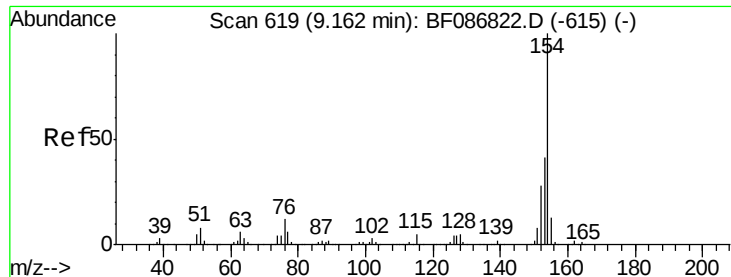
#44
 2-Fluorobiphenyl
 Concen: 87.97 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

Tgt Ion:172 Resp: 1182450
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.4 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: 2.18 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

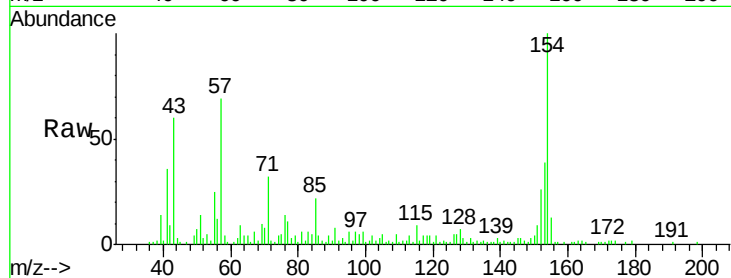
Tgt Ion:154 Resp: 39242

Ion Ratio Lower Upper

154 100

153 38.7 20.3 60.3

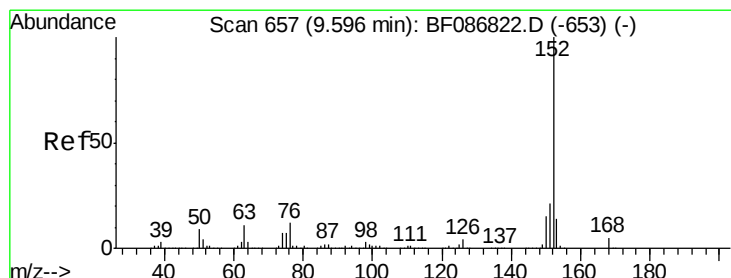
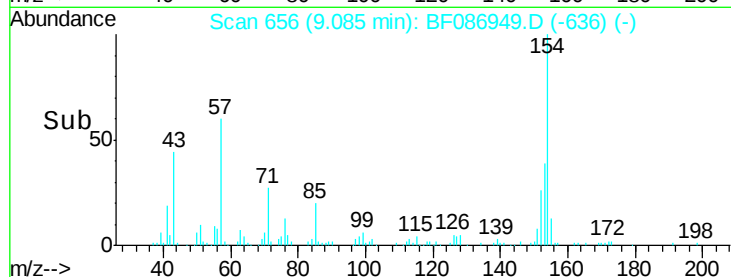
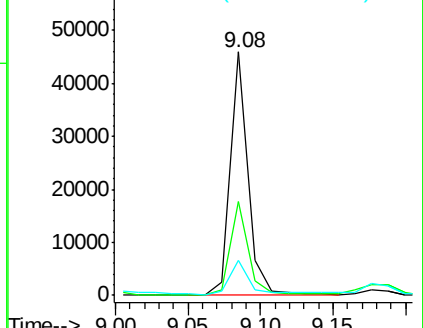
76 14.1 0.0 30.2



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: 22.44 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

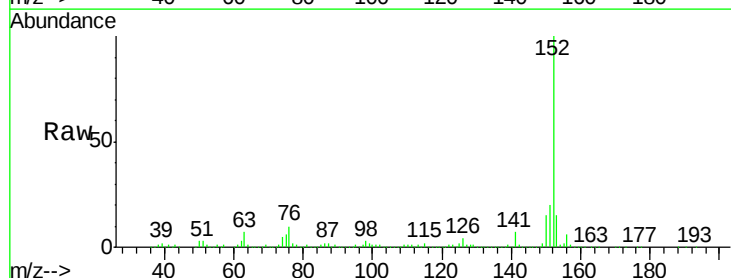
Tgt Ion:152 Resp: 464771

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

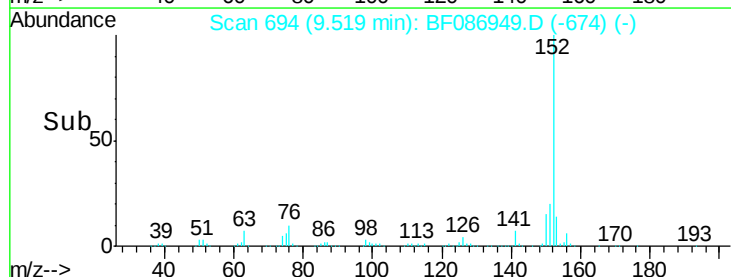
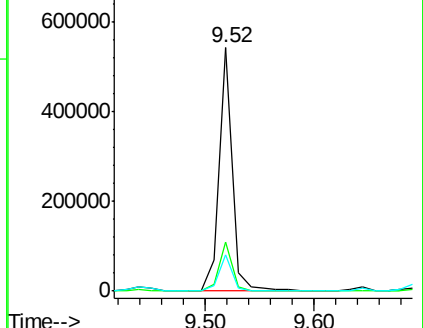
153 14.6 10.9 16.3

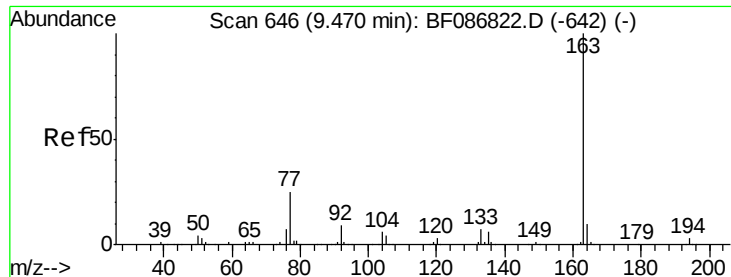


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

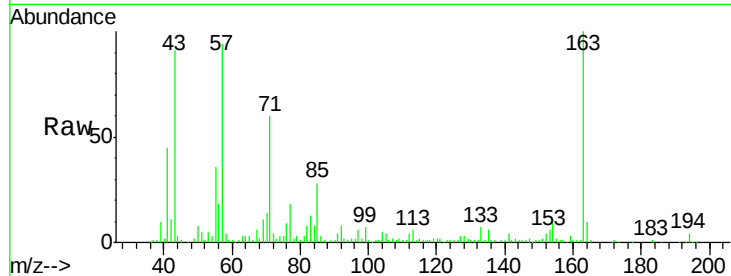




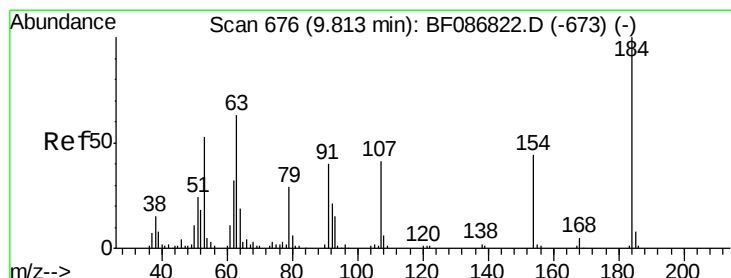
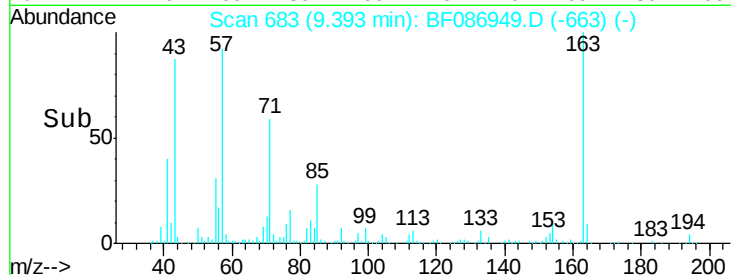
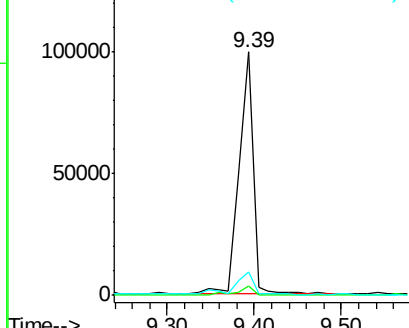
#49
Dimethylphthalate
Concen: 6.28 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.08 min
Lab File: BF086949.D
Acq: 13 May 2016 00:18

Instrument :
BNA_F
ClientSampleId :
CH-STA-1772-00(0-2)

Tgt Ion:163 Resp: 108260
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.7 8.2 12.4

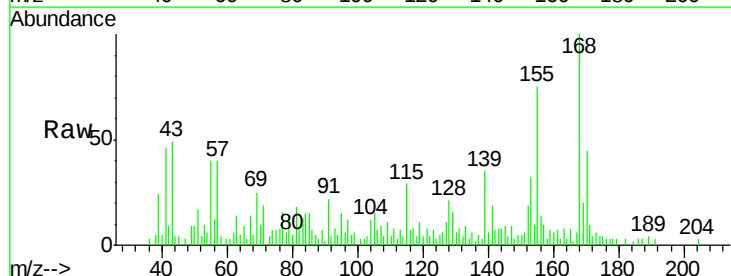


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

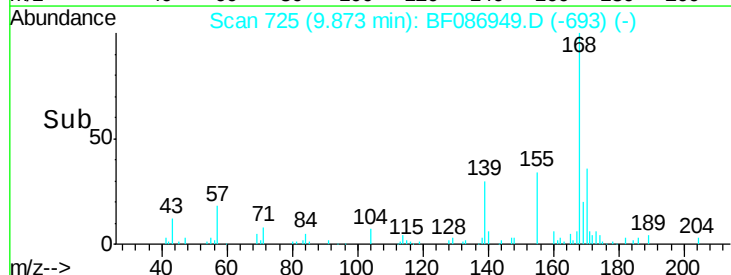
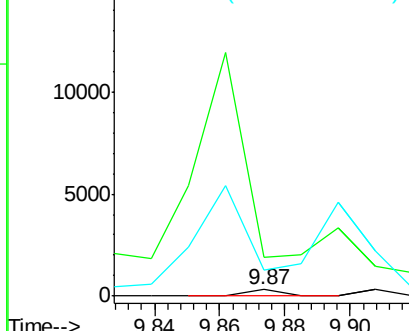


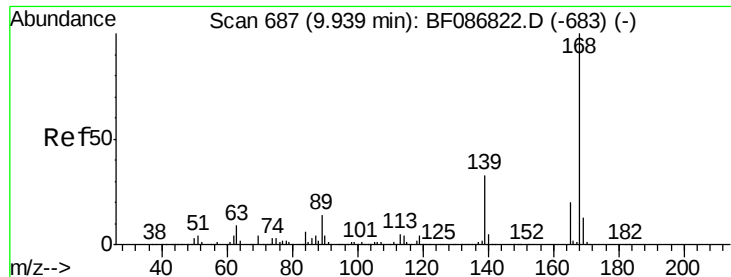
#53
2,4-Dinitrophenol
Concen: 7.80 ng
RT: 9.87 min Scan# 725
Delta R.T. 0.06 min
Lab File: BF086949.D
Acq: 13 May 2016 00:18

Tgt Ion:184 Resp: 226
Ion Ratio Lower Upper
184 100
63 577.6 55.8 83.8#
154 389.4 62.4 93.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

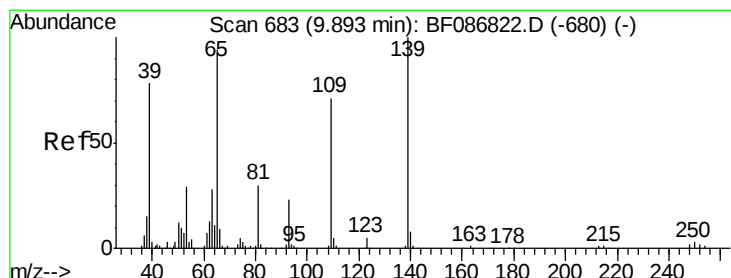
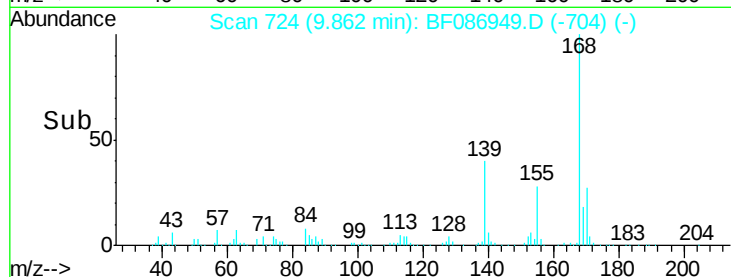
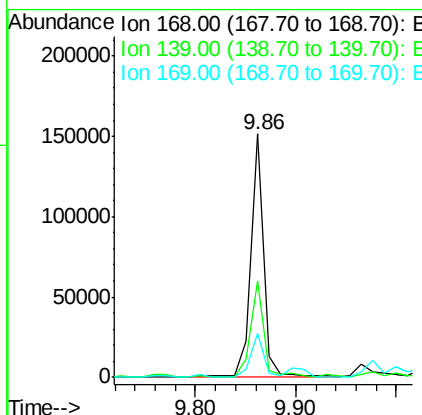
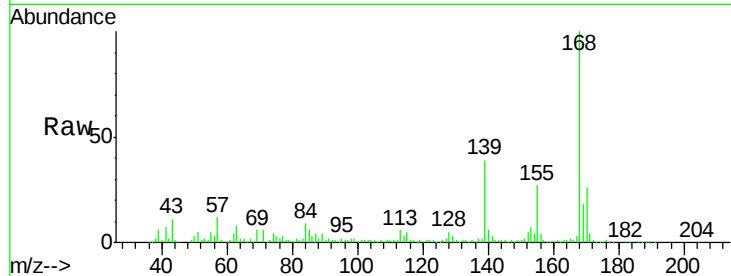




#54
Dibenzenofuran
Concen: 8.25 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.08 min
Lab File: BF086949.D
Acq: 13 May 2016 00:18

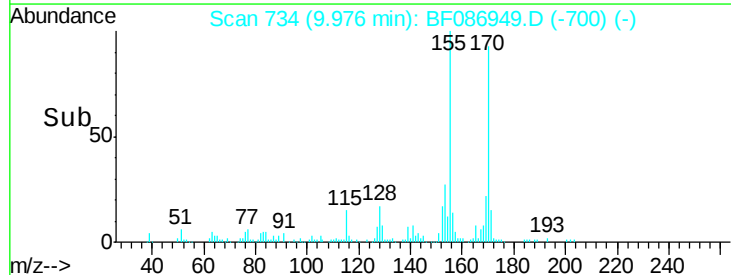
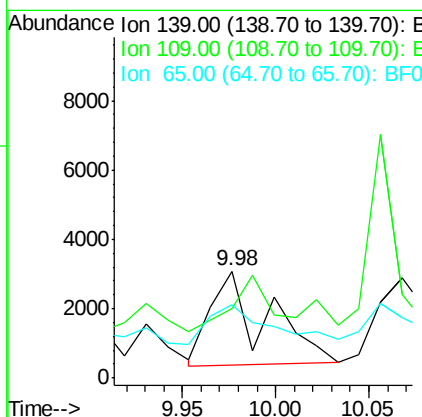
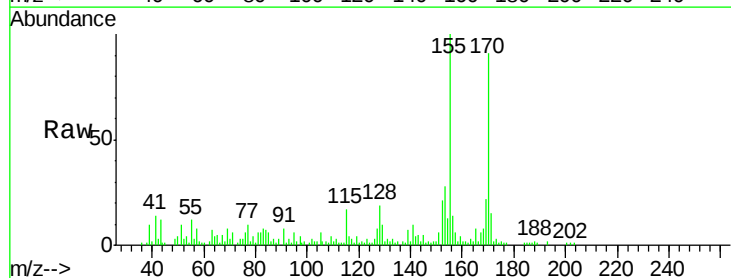
Instrument :
BNA_F
ClientSampleId :
CH-STA-1772-00(0-2)

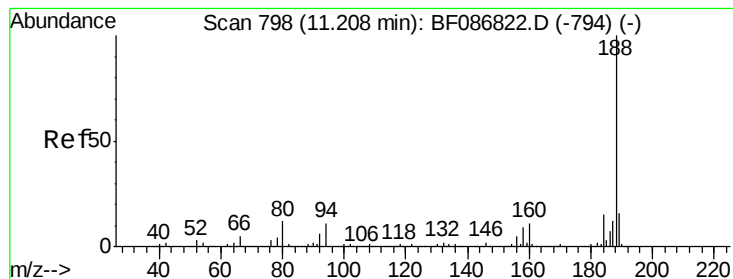
Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.4	47.0
169	17.8	10.7	16.1#



#55
4-Nitrophenol
Concen: 6.62 ng
RT: 9.98 min Scan# 734
Delta R.T. 0.08 min
Lab File: BF086949.D
Acq: 13 May 2016 00:18

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.0	36.9	76.9
65	68.3	64.0	104.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

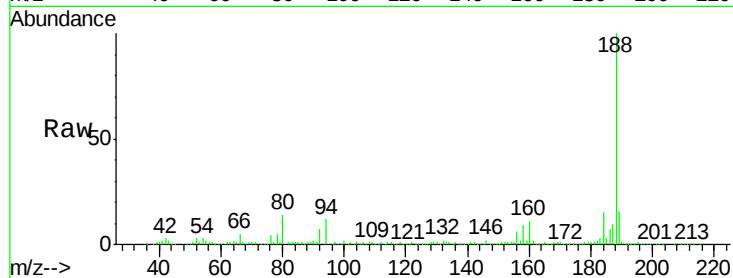
Tgt Ion:188 Resp: 316930

Ion Ratio Lower Upper

188 100

94 12.4 6.8 10.2#

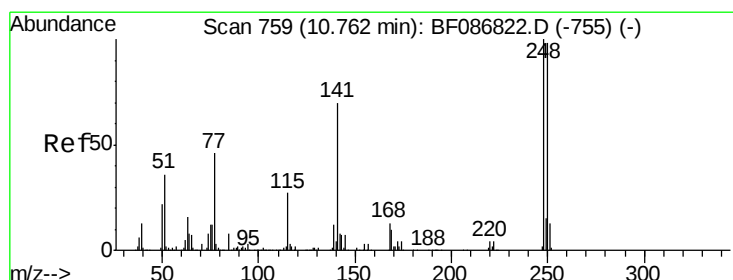
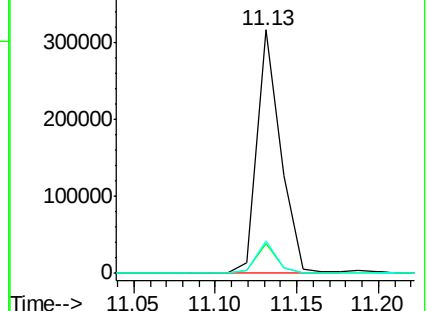
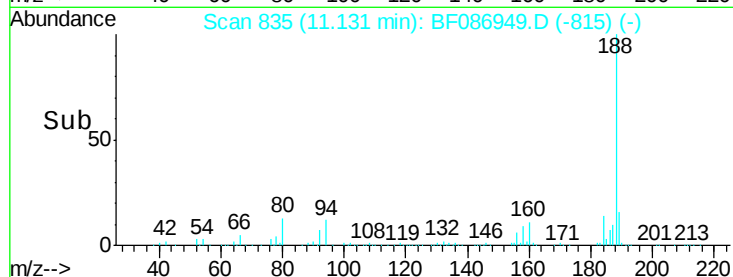
80 13.5 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 3.47 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.32 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

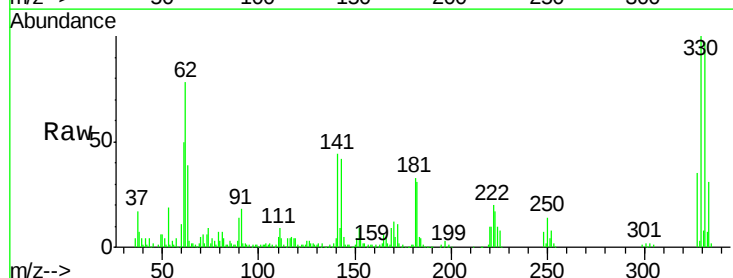
Tgt Ion:248 Resp: 11150

Ion Ratio Lower Upper

248 100

250 200.5 78.6 117.8#

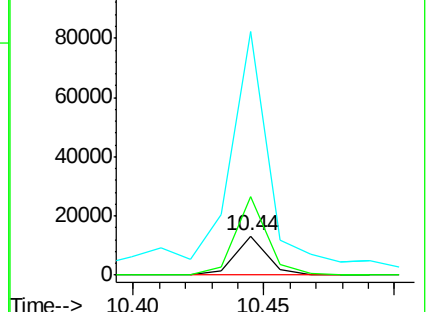
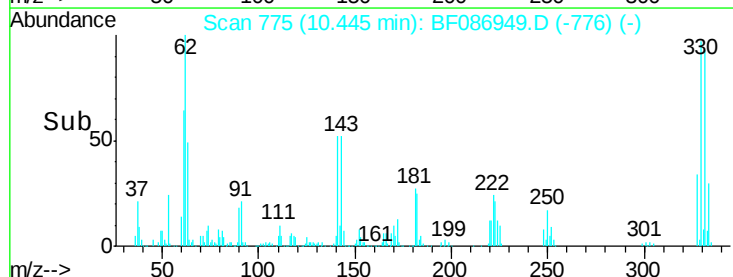
141 623.9 76.0 114.0#

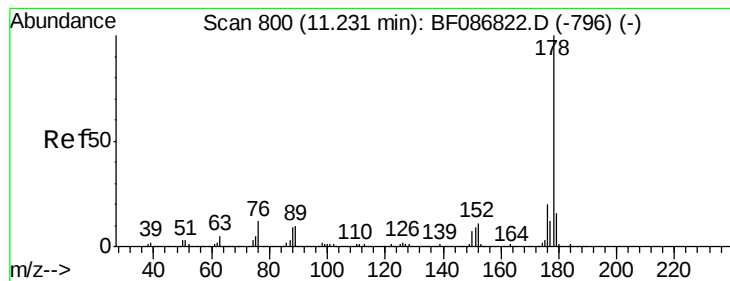


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 24.84 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

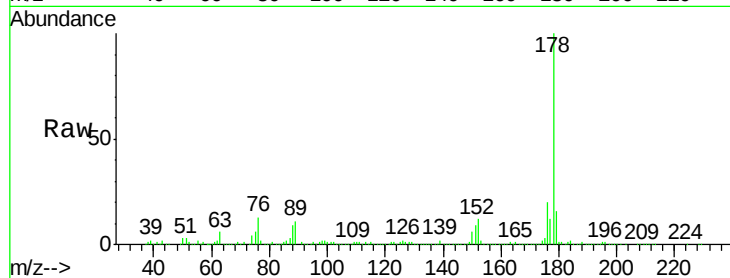
Tgt Ion:178 Resp: 420150

Ion Ratio Lower Upper

178 100

176 20.2 16.0 24.0

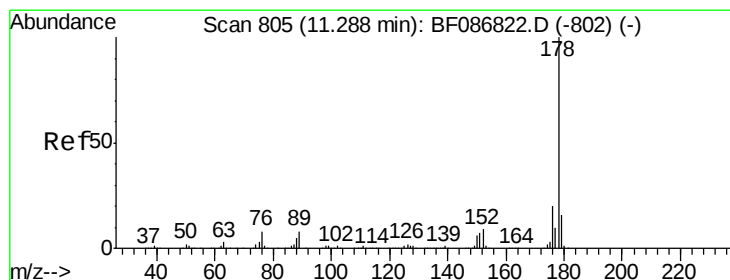
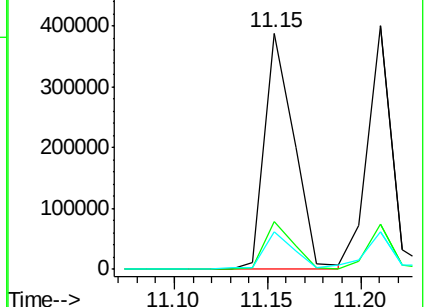
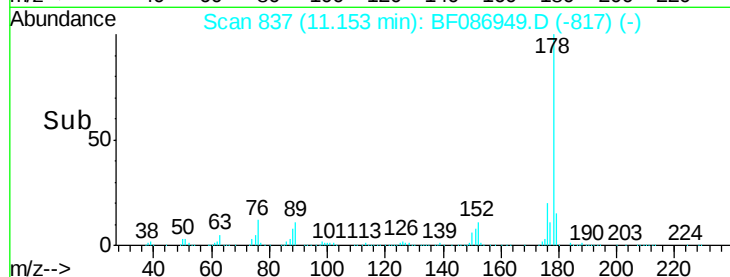
179 15.9 12.6 18.8



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: 20.56 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

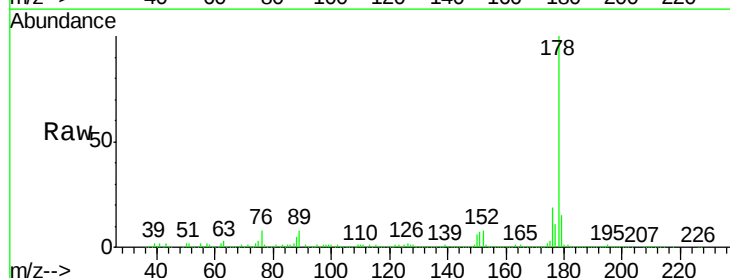
Tgt Ion:178 Resp: 355692

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

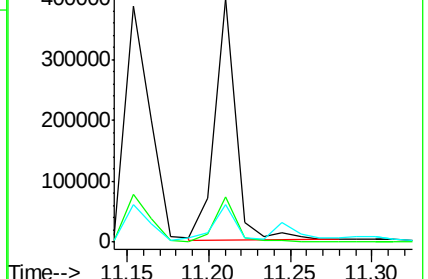
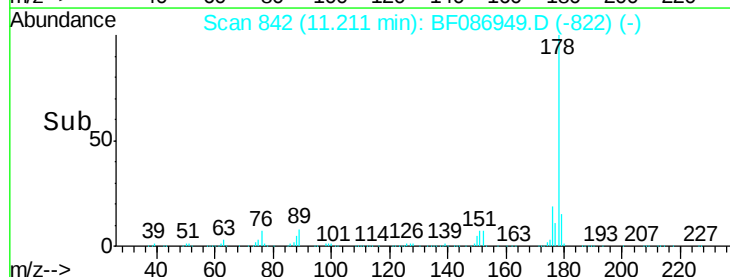
179 15.2 12.7 19.1

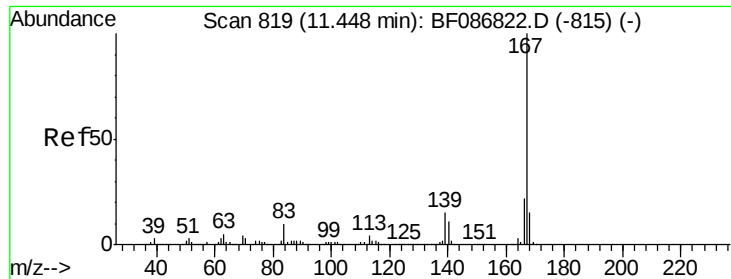


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

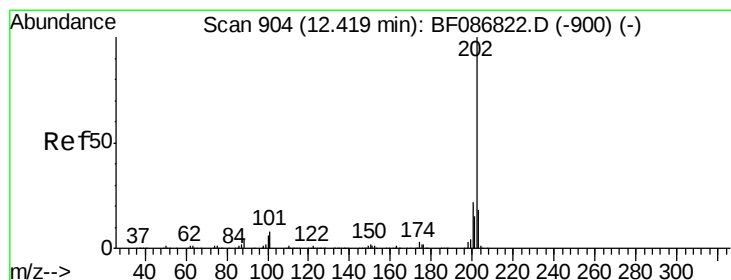
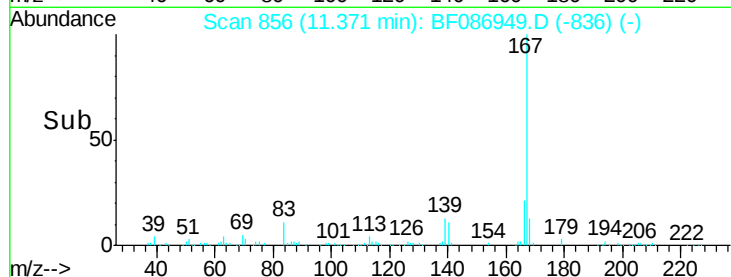
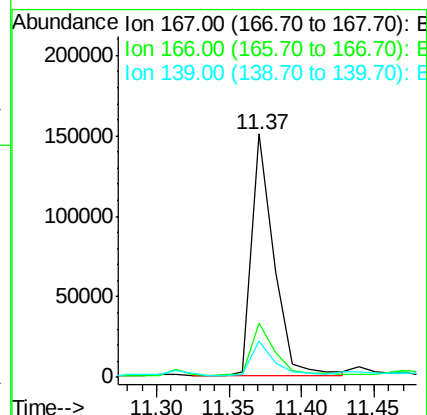
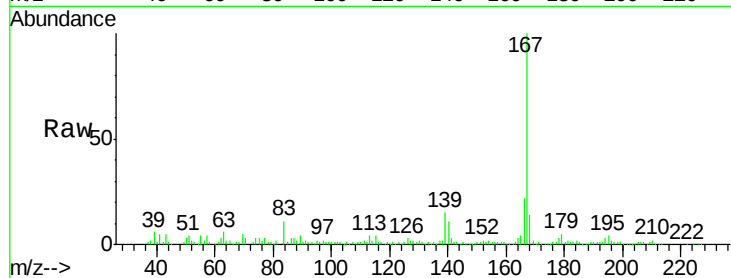




#72
 Carbazole
 Concen: 10.80 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.08 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

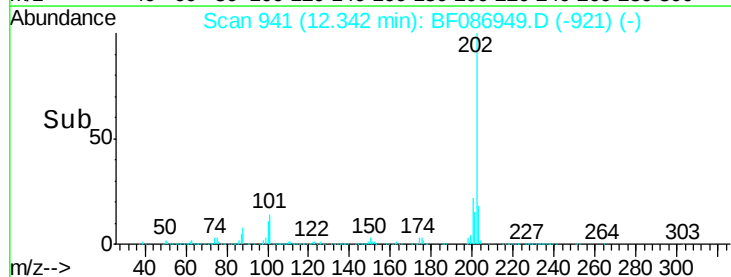
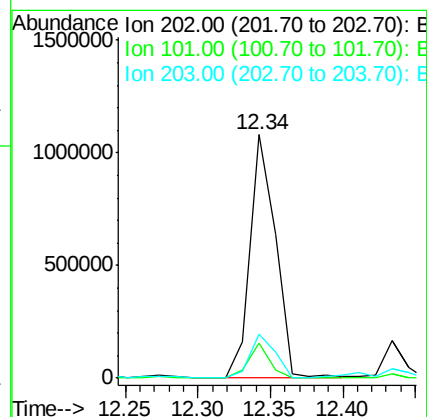
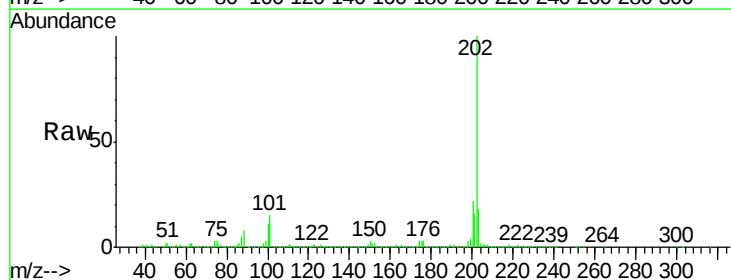
Instrument :
 BNA_F
 ClientSampleId :
 CH-StA-1772-00(0-2)

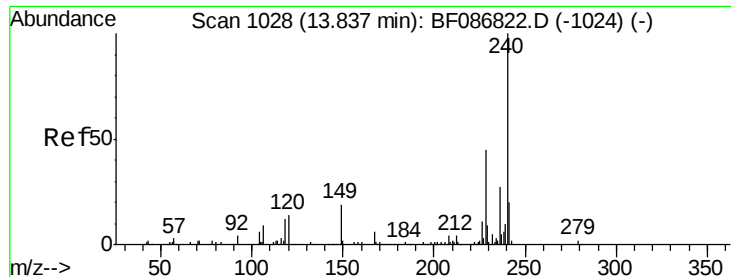
Tgt Ion:167 Resp: 160595
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.7 26.5
 139 14.6 10.8 16.2



#74
 Fluoranthene
 Concen: 75.20 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.08 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

Tgt Ion:202 Resp: 1308234
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 35.4
 203 18.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

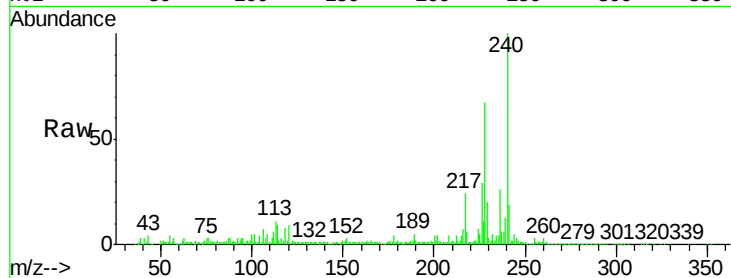
Tgt Ion:240 Resp: 272489

Ion Ratio Lower Upper

240 100

120 9.1 11.2 16.8#

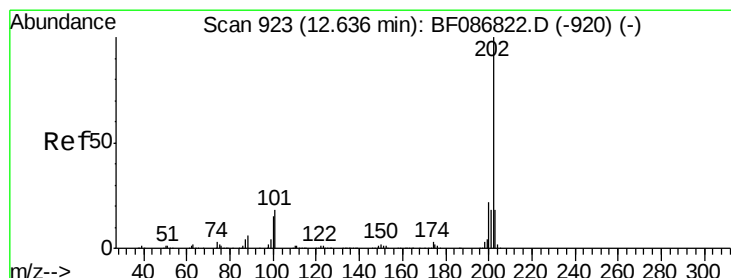
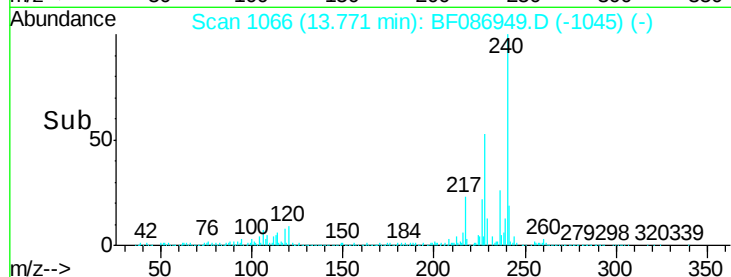
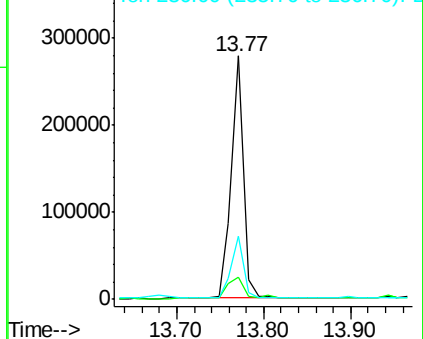
236 26.2 21.2 31.8



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: 59.32 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

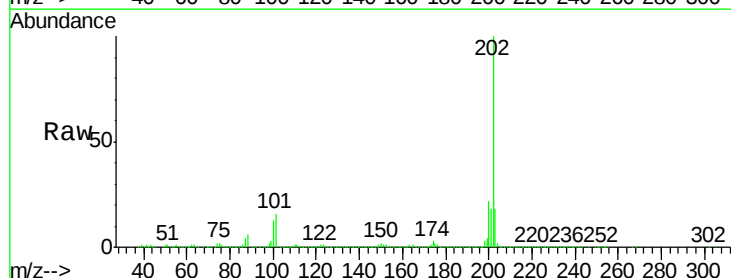
Tgt Ion:202 Resp: 1237505

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

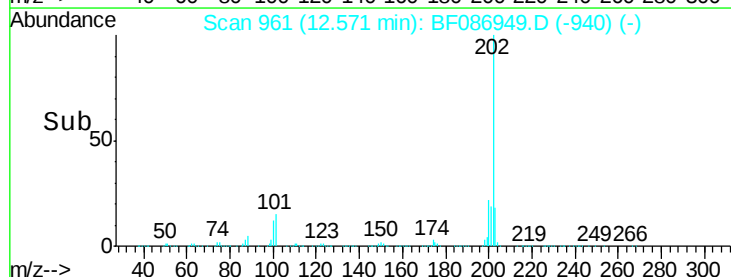
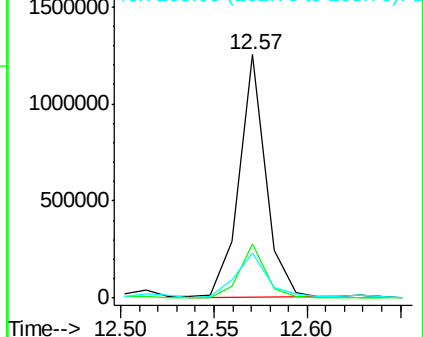
203 18.5 14.2 21.4

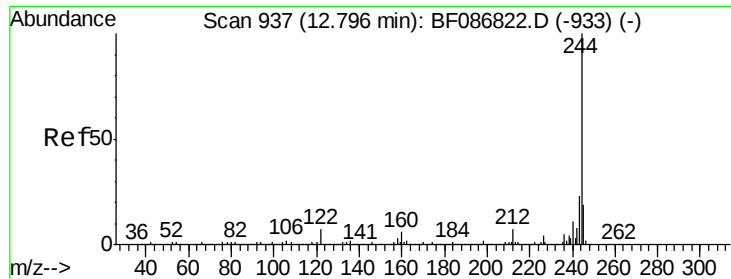


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

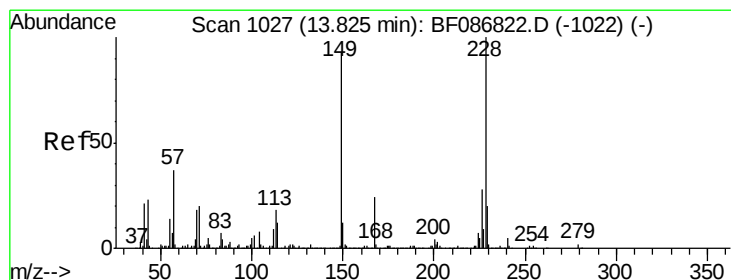
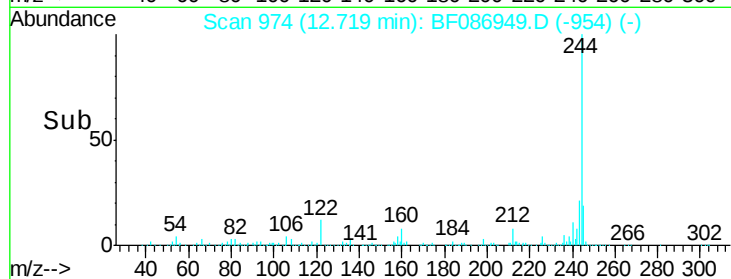
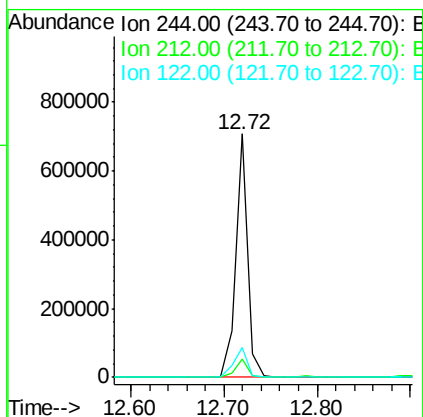
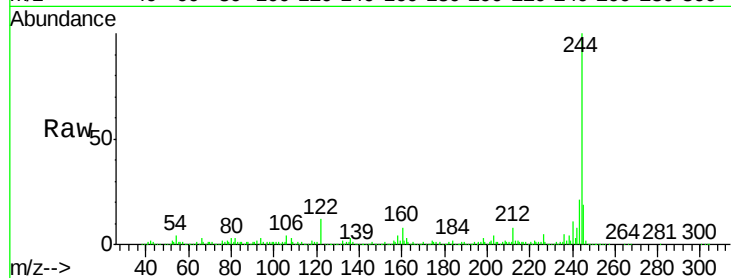




#78
 Terphenyl-d14
 Concen: 49.54 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.08 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

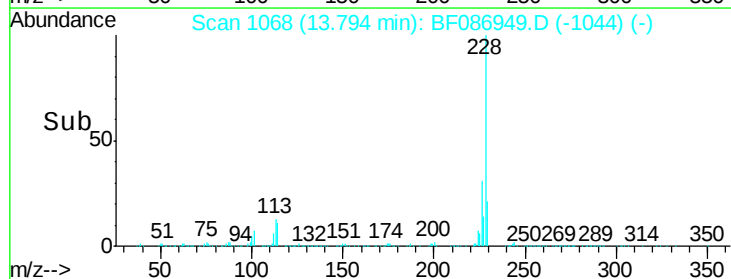
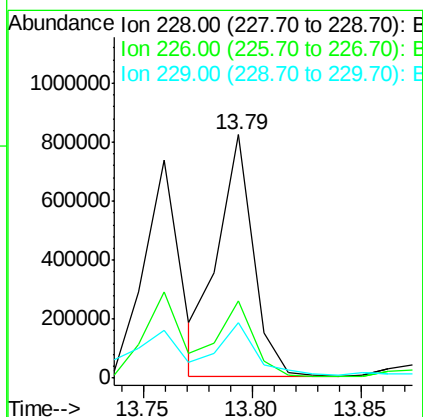
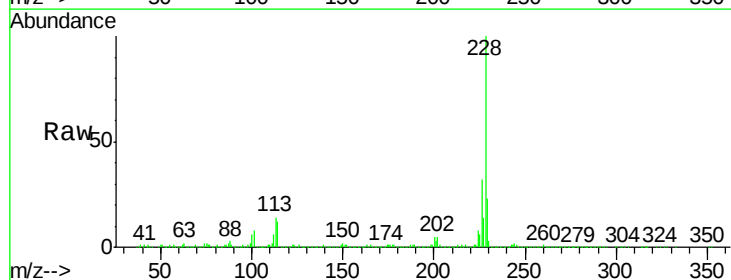
Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1772-00(0-2)

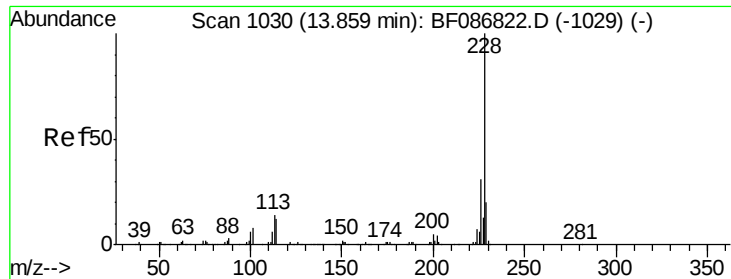
Tgt Ion:244 Resp: 636216
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 12.5 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 60.51 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.03 min
 Lab File: BF086949.D
 Acq: 13 May 2016 00:18

Tgt Ion:228 Resp: 925557
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.5 33.7
 229 22.8 16.6 25.0





#82

Chrysene

Concen: 59.08 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

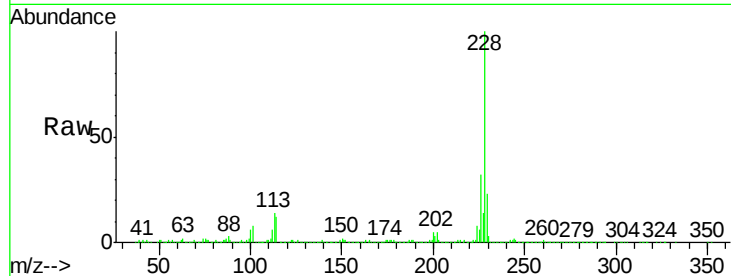
Tgt Ion:228 Resp: 919367

Ion Ratio Lower Upper

228 100

226 31.8 24.4 36.6

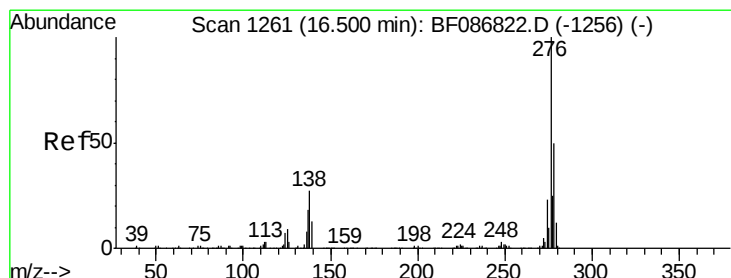
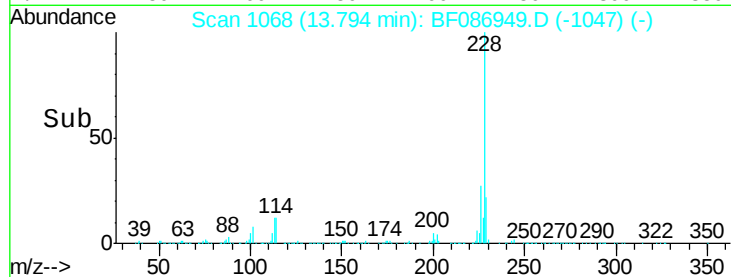
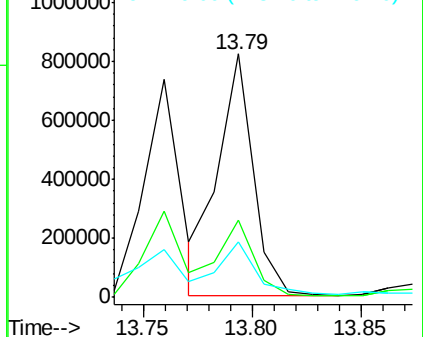
229 22.8 15.8 23.8



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: 39.00 ng

RT: 16.39 min Scan# 1295

Delta R.T. -0.11 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

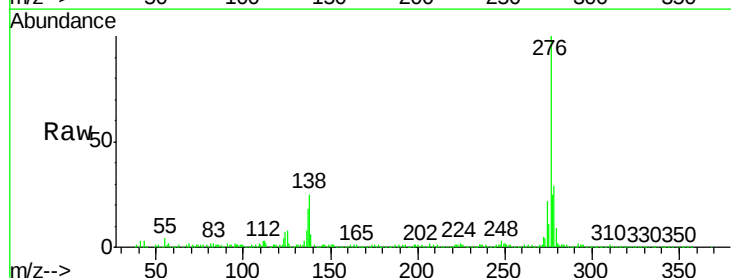
Tgt Ion:276 Resp: 504976

Ion Ratio Lower Upper

276 100

138 22.9 25.6 38.4#

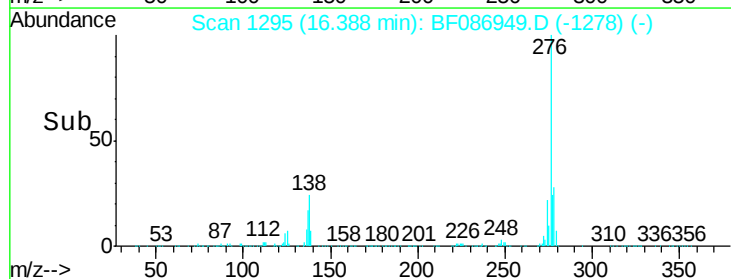
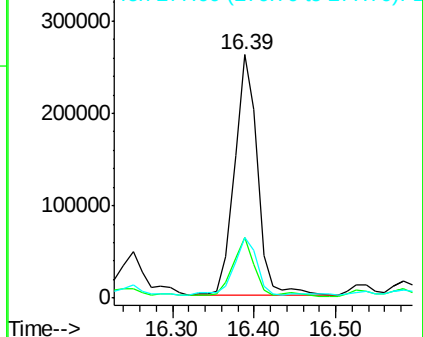
277 23.5 20.5 30.7

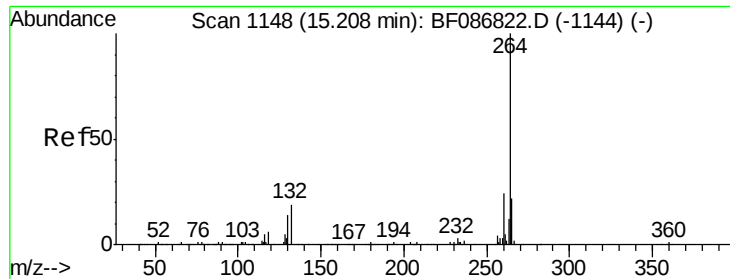


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

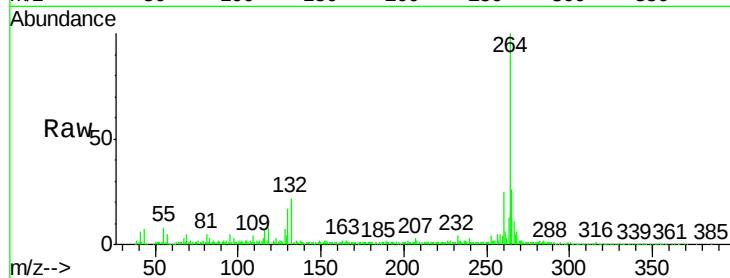
Tgt Ion:264 Resp: 277681

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

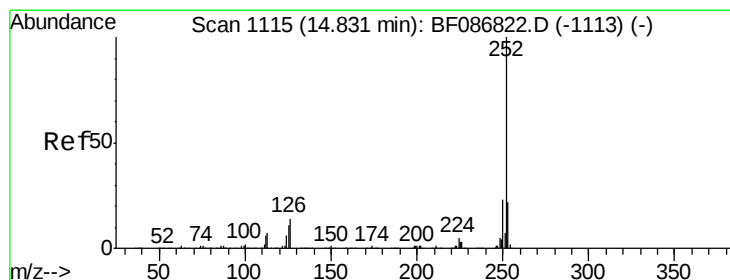
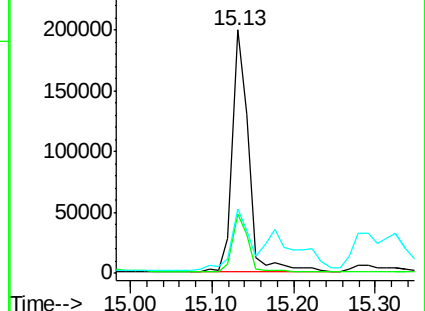
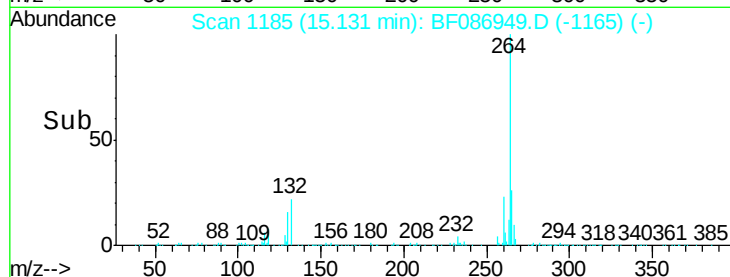
265 26.5 17.3 25.9#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 18.71 ng

RT: 14.86 min Scan# 1161

Delta R.T. 0.03 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

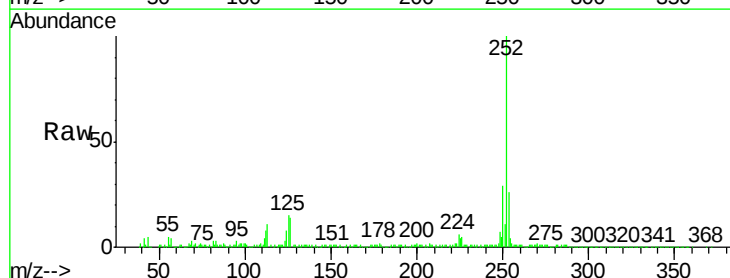
Tgt Ion:252 Resp: 337631

Ion Ratio Lower Upper

252 100

253 26.3 17.8 26.6

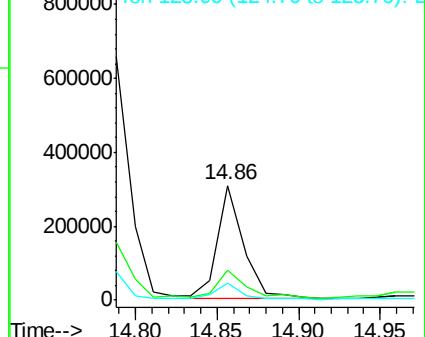
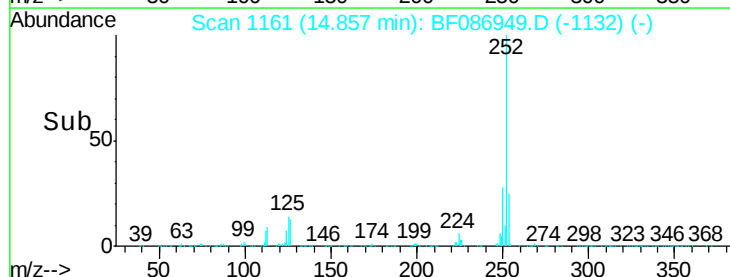
125 15.0 11.4 17.0

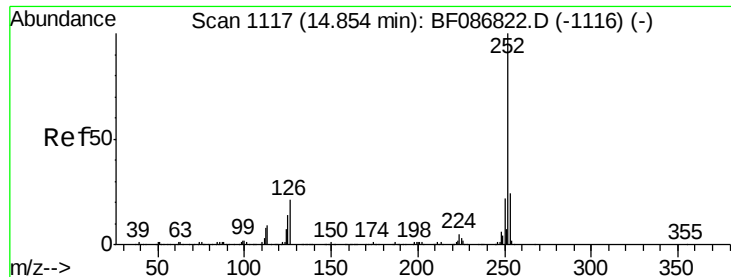


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 131.22 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.08 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

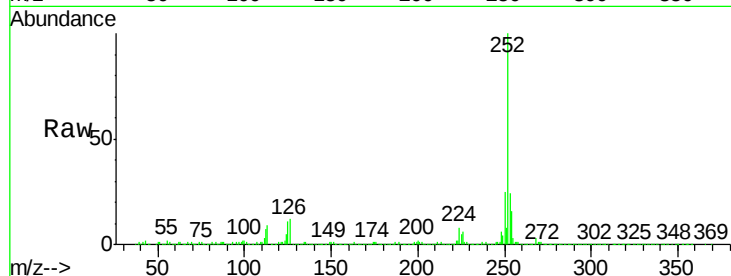
Tgt Ion:252 Resp: 1938952

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

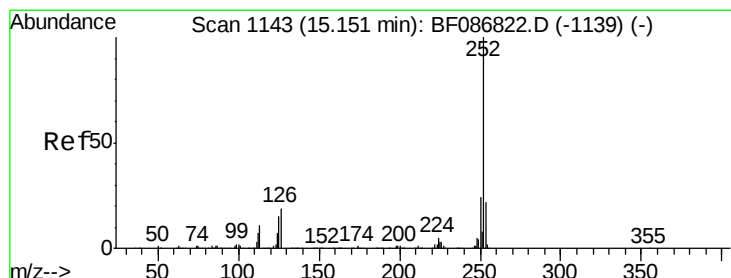
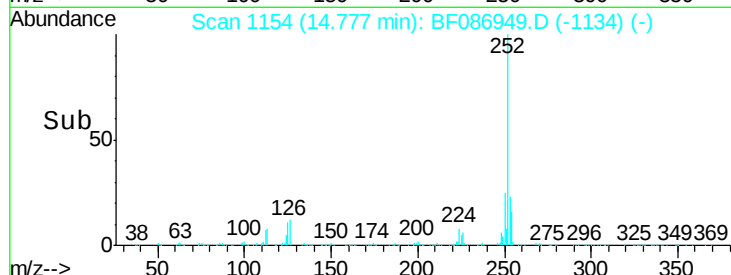
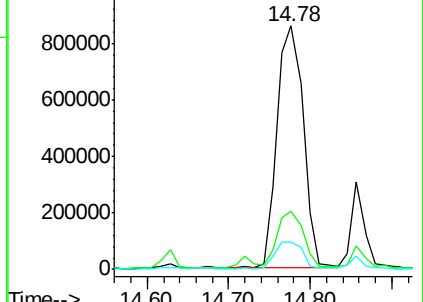
125 11.2 9.1 13.7



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



#89

Benzo(a)pyrene

Concen: 47.23 ng

RT: 15.09 min Scan# 1181

Delta R.T. -0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

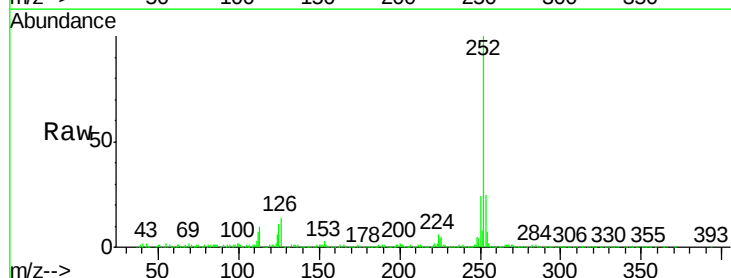
Tgt Ion:252 Resp: 735139

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

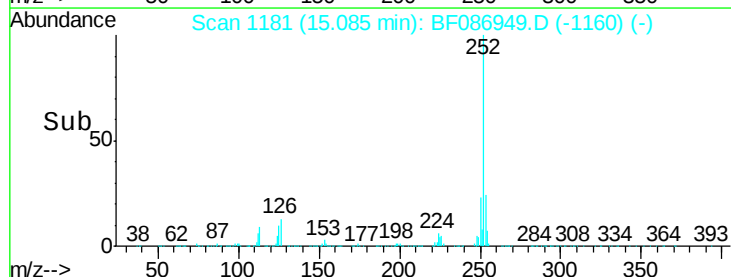
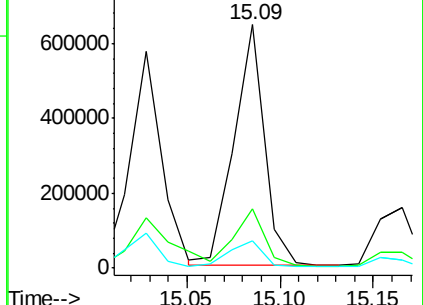
125 11.2 9.0 13.6

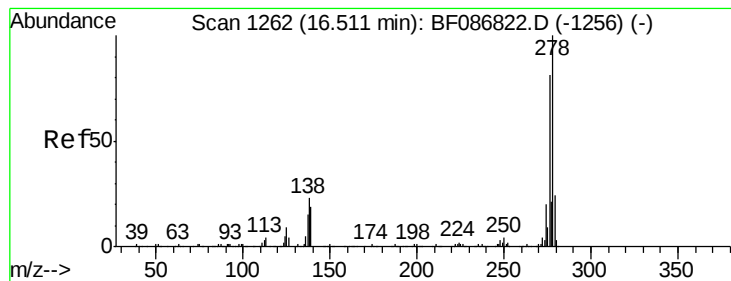


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.57 ng

RT: 16.58 min Scan# 1312

Delta R.T. 0.07 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

Instrument :

BNA_F

ClientSampleId :

CH-STA-1772-00(0-2)

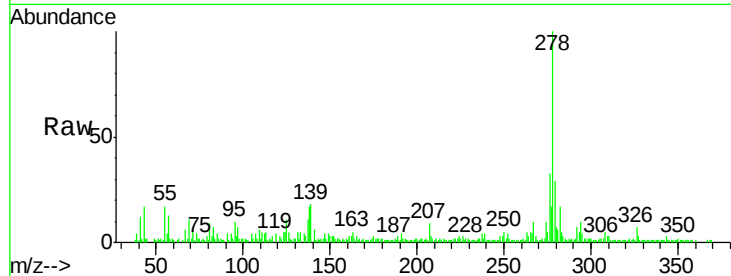
Tgt Ion:278 Resp: 125510

Ion Ratio Lower Upper

278 100

139 18.2 16.6 24.8

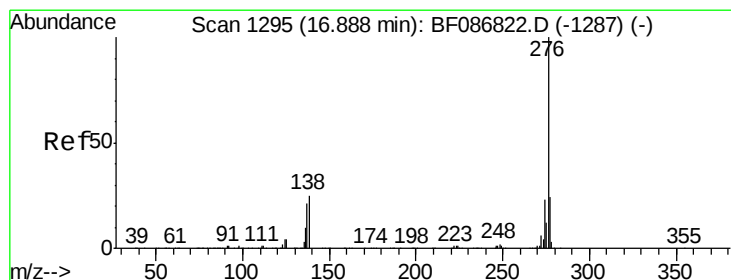
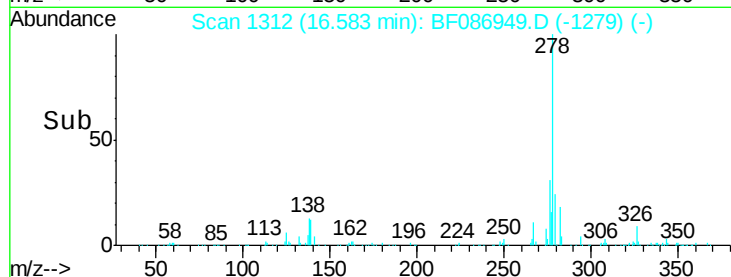
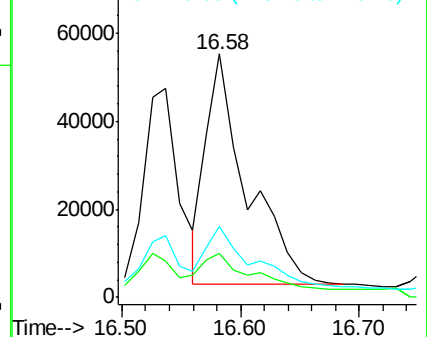
279 28.9 19.6 29.4



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: 31.71 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.12 min

Lab File: BF086949.D

Acq: 13 May 2016 00:18

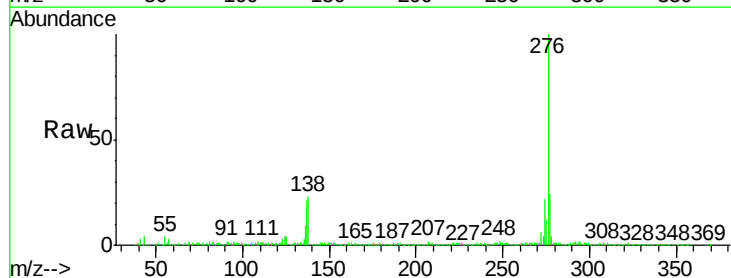
Tgt Ion:276 Resp: 422688

Ion Ratio Lower Upper

276 100

277 24.5 19.6 29.4

138 23.2 23.6 35.4#



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

