

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093451.D
 Acq On : 9 Mar 2017 1:40
 Operator : SJ/MA
 Sample : I2133-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

Quant Time: Mar 09 03:06:45 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

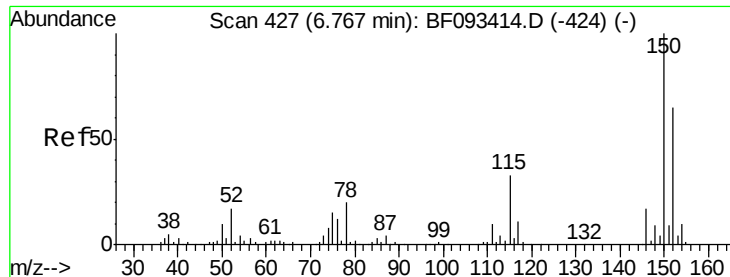
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	154192	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	558691	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	214006	20.00	ng	0.01
63) Phenanthrene-d10	11.30	188	318982	20.00	ng	0.02
75) Chrysene-d12	13.95	240	285908	20.00	ng	0.02
86) Perylene-d12	15.39	264	247502	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1243506	134.22	ng	0.01
7) Phenol-d6	6.42	99	1542540	132.03	ng	0.01
23) Nitrobenzene-d5	7.34	82	914045	90.78	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	208131	149.27	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	1289903	112.11	ng	0.00
78) Terphenyl-d14	12.88	244	942054	85.67	ng	0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.28	77	3933	Below Cal	#	15
10) Phenol	6.44	94	42857	2.99	ng	92
15) Benzyl Alcohol	6.93	79	17433	2.09	ng	44
18) Hexachloroethane	7.34	117	24327	5.93	ng	2
25) Isophorone	7.57	82	50277	2.48	ng	1
26) 2-Nitrophenol	7.73	139	14077	2.73	ng	12
31) Naphthalene	8.08	128	74253	2.65	ng	82
35) Caprolactam	8.48	113	62703	23.23	ng	1
36) 4-Chloro-3-methylphenol	8.69	107	27036	3.21	ng	45
48) Acenaphthylene	9.68	152	66484	3.38	ng	48
49) Dimethylphthalate	9.53	163	252985	17.83	ng	97
50) 2,6-Dinitrotoluene	9.58	165	18460	5.93	ng	58
51) Acenaphthene	9.84	154	59364	5.10	ng	90
52) 3-Nitroaniline	9.76	138	24829	6.64	ng	17
55) 4-Nitrophenol	10.01	139	14112	7.77	ng	1
56) 2,4-Dinitrotoluene	10.01	165	10072	2.63	ng	59
65) n-Nitrosodiphenylamine	10.47	169	223997	21.03	ng	48
69) Pentachlorophenol	11.14	266	3041	2.73	ng	43
70) Phenanthrene	11.33	178	143711	7.89	ng	90
71) Anthracene	11.37	178	49120	2.67	ng	77
74) Fluoranthene	12.52	202	339325	19.29	ng	98
77) Pyrene	12.75	202	517258	24.88	ng	99
80) Benzo(a)anthracene	13.93	228	396027	23.46	ng	92
82) Chrysene	13.93	228	396027	25.35	ng	93
85) Indeno(1,2,3-cd)pyrene	16.77	276	321386	24.58	ng	97
87) Benzo(b)fluoranthene	14.97	252	707353	46.93	ng	89
88) Benzo(k)fluoranthene	14.97	252	707353	48.66	ng	89
89) Benzo(a)pyrene	15.33	252	435624	31.62	ng	91
90) Dibenzo(a,h)anthracene	16.77	278	67026	5.88	ng	57
91) Benzo(g,h,i)perylene	17.19	276	331904	28.37	ng	90

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

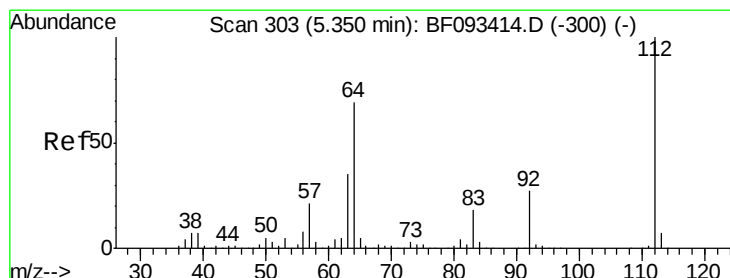
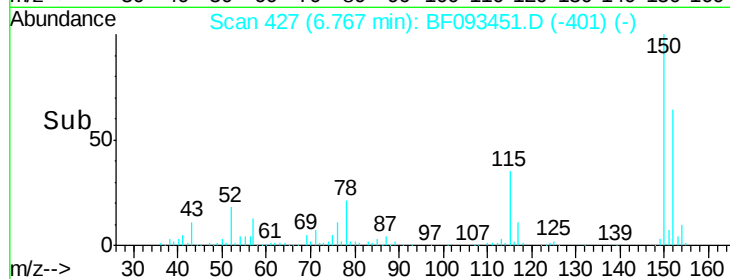
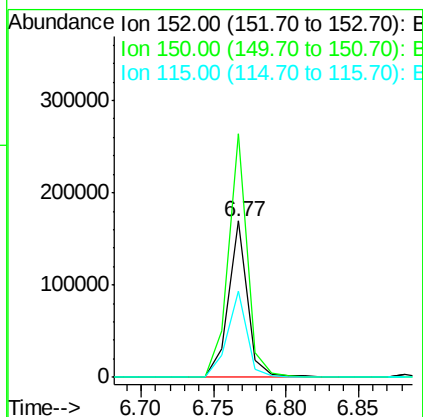
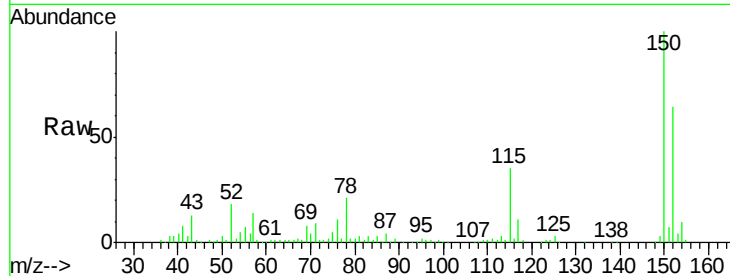
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Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\  
Data File : BF093451.D  
Acq On    : 9 Mar 2017    1:40  
Operator  : SJ/MA  
Sample    : I2133-10  
Misc      :  
ALS Vial  : 23    Sample Multiplier: 1
```



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

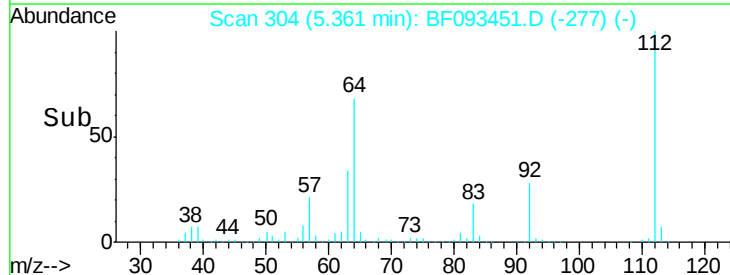
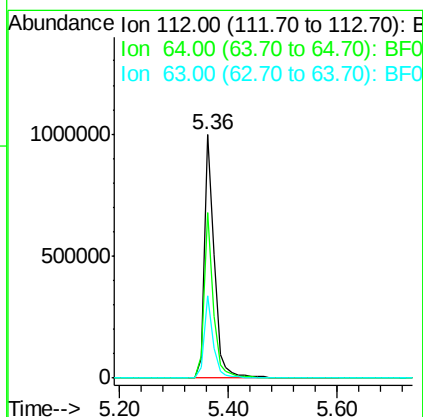
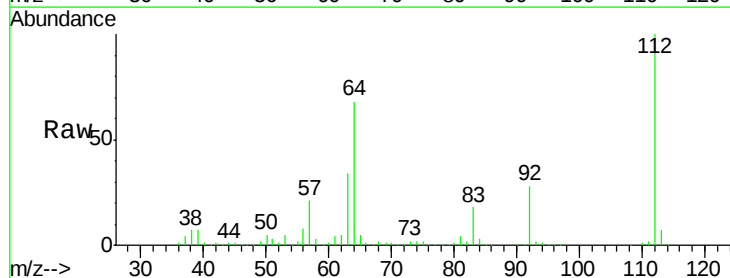
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

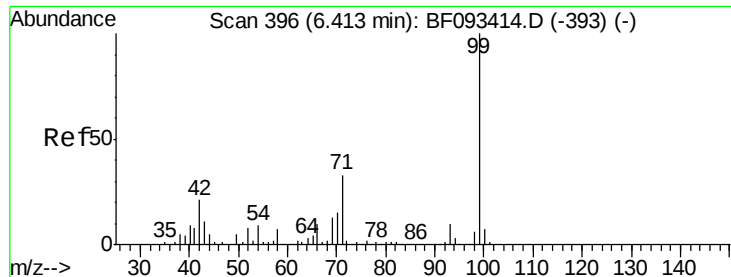
Tgt Ion:152 Resp: 154192
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.9 187.3
 115 54.9 46.0 69.0



#5
 2-Fluorophenol
 Concen: 134.22 ng
 RT: 5.36 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Tgt Ion:112 Resp: 1243506
 Ion Ratio Lower Upper
 112 100
 64 68.2 46.1 69.1
 63 33.7 23.8 35.6





#7

Phenol-d6

Concen: 132.03 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

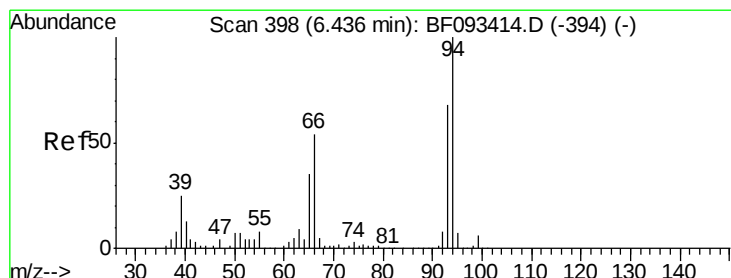
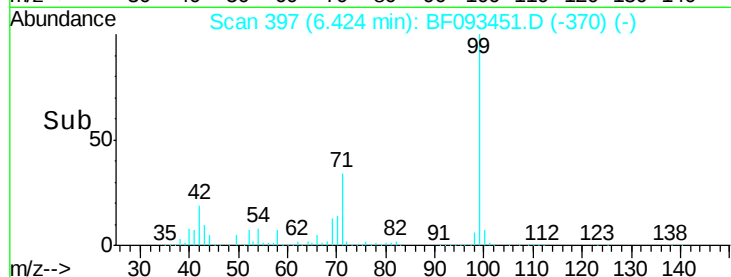
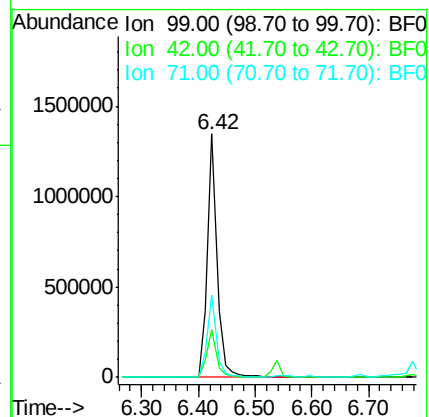
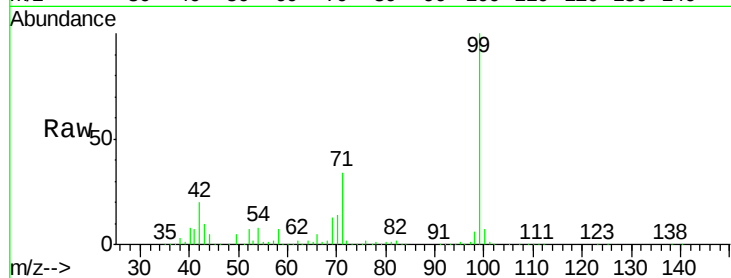
Tgt Ion: 99 Resp: 1542540

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

71 33.9 27.5 41.3



#10

Phenol

Concen: 2.99 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

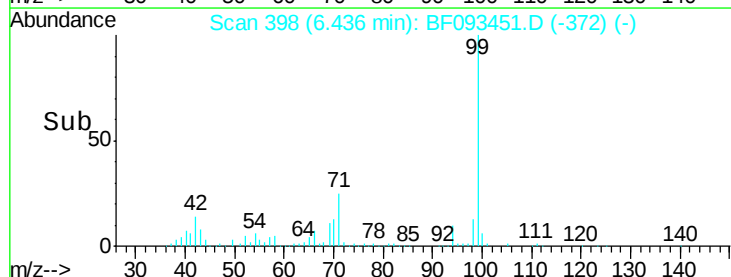
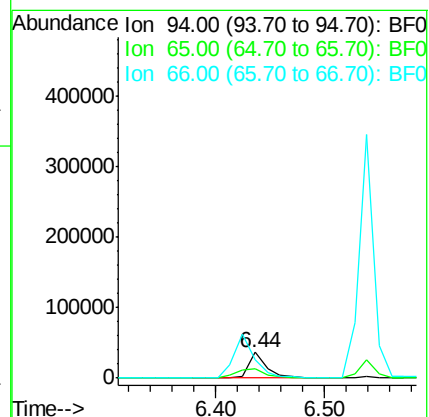
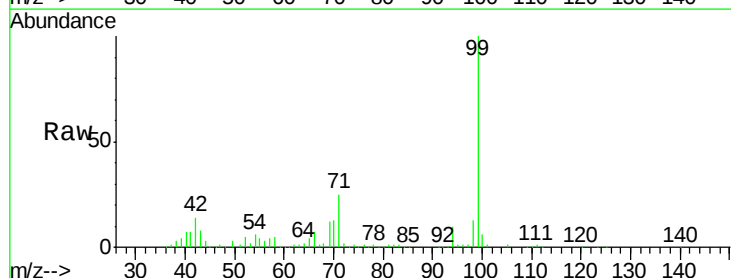
Tgt Ion: 94 Resp: 42857

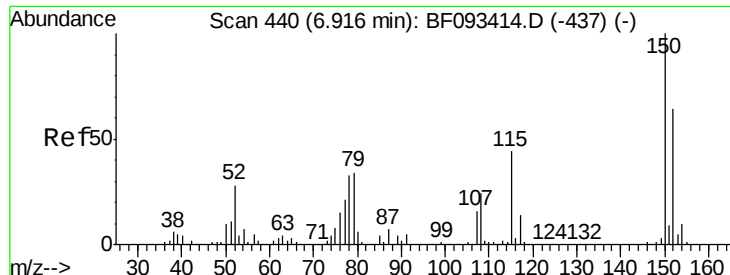
Ion Ratio Lower Upper

94 100

65 36.1 21.4 61.4

66 70.3 44.0 84.0

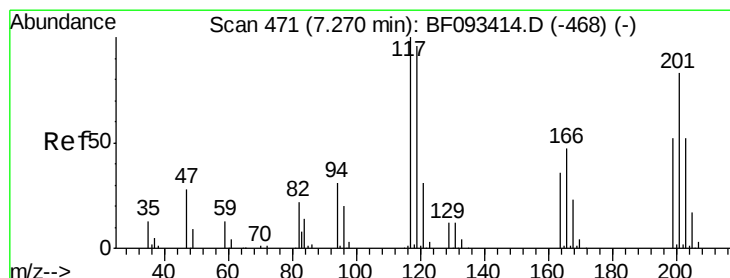
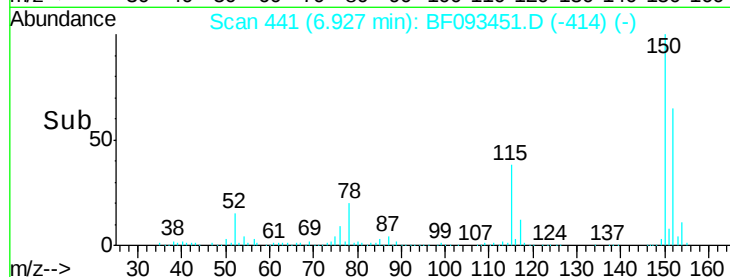
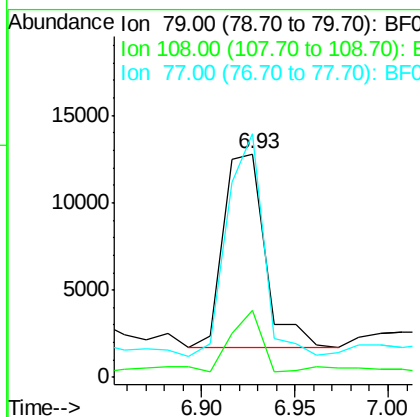
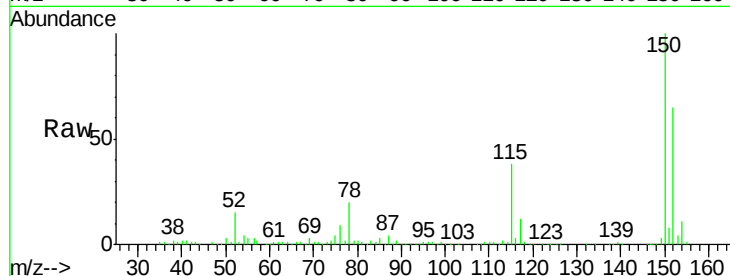




#15
Benzyl Alcohol
Concen: 2.09 ng
RT: 6.93 min Scan# 441
Delta R.T. 0.01 min
Lab File: BF093451.D
Acq: 9 Mar 2017 1:40

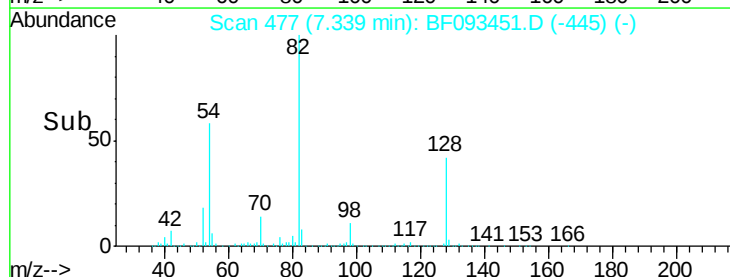
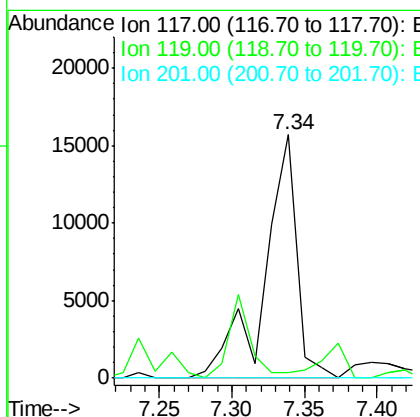
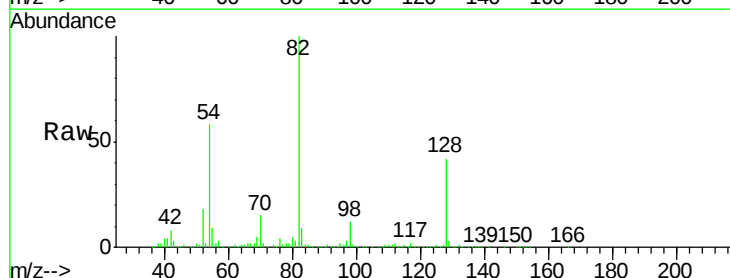
Instrument :
BNA_F
ClientSampleId :
HY-SB415A

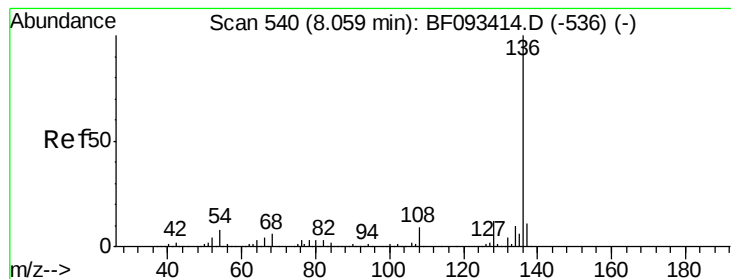
Tgt Ion: 79 Resp: 17433
Ion Ratio Lower Upper
79 100
108 30.0 61.4 92.0#
77 109.1 50.9 76.3#



#18
Hexachloroethane
Concen: 5.93 ng
RT: 7.34 min Scan# 477
Delta R.T. 0.07 min
Lab File: BF093451.D
Acq: 9 Mar 2017 1:40

Tgt Ion: 117 Resp: 24327
Ion Ratio Lower Upper
117 100
119 2.4 78.1 117.1#
201 0.0 78.6 117.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

Tgt Ion: 136 Resp: 558691

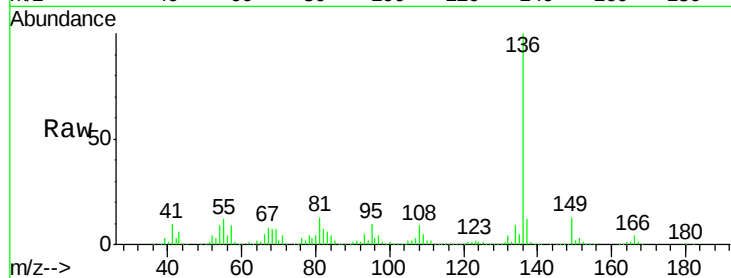
Ion Ratio Lower Upper

136 100

137 11.6 8.4 12.6

54 9.2 4.5 6.7#

68 7.4 3.6 5.4#

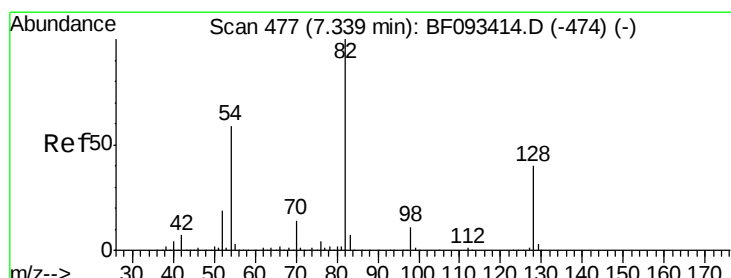
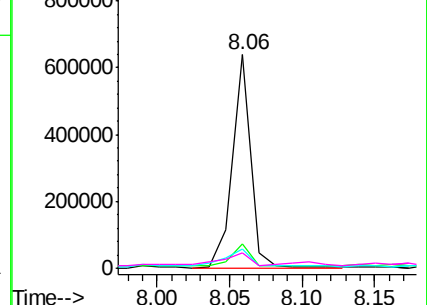
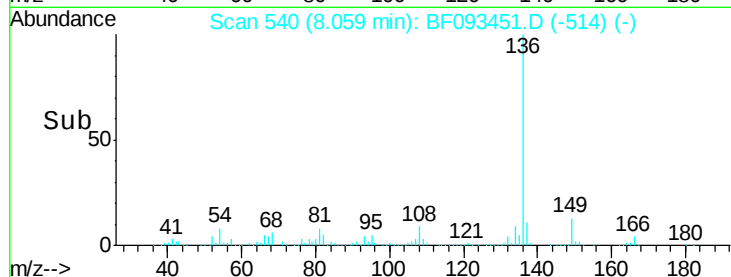


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.78 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.00 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

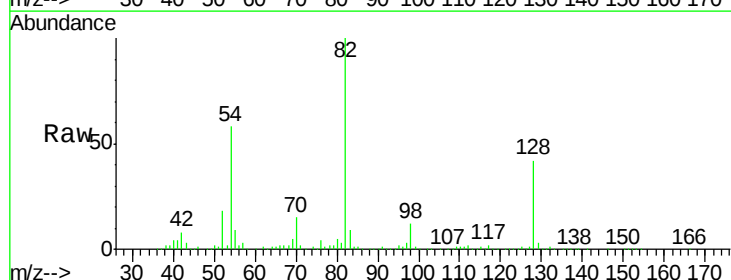
Tgt Ion: 82 Resp: 914045

Ion Ratio Lower Upper

82 100

128 41.7 34.6 52.0

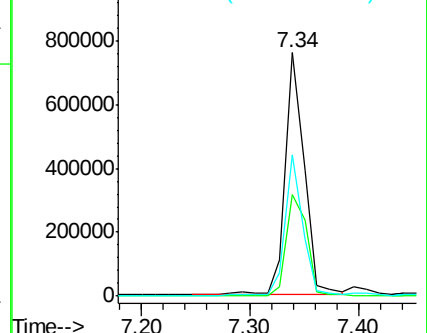
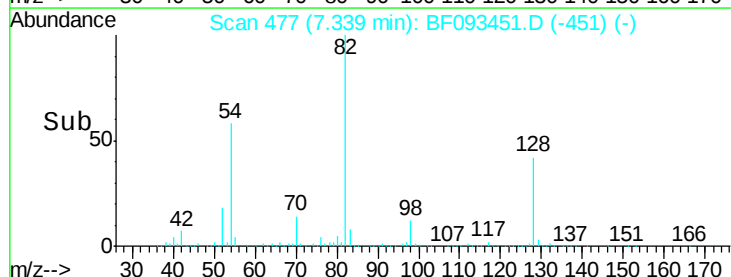
54 58.1 39.5 59.3

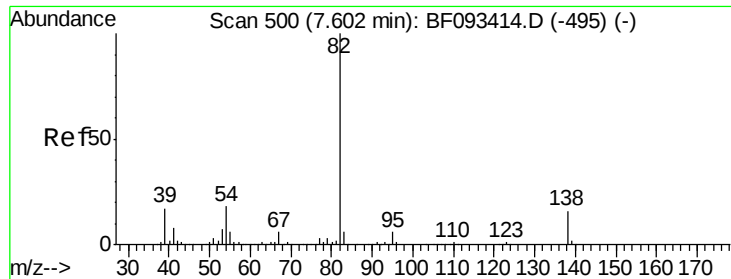


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.48 ng

RT: 7.57 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

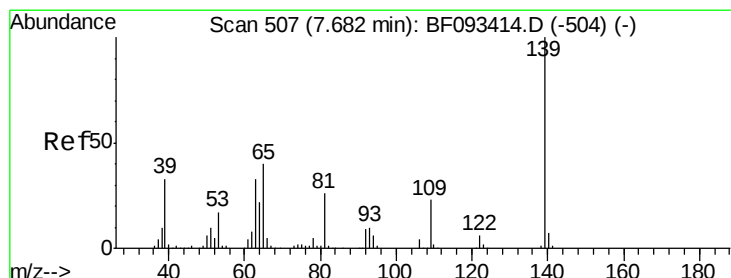
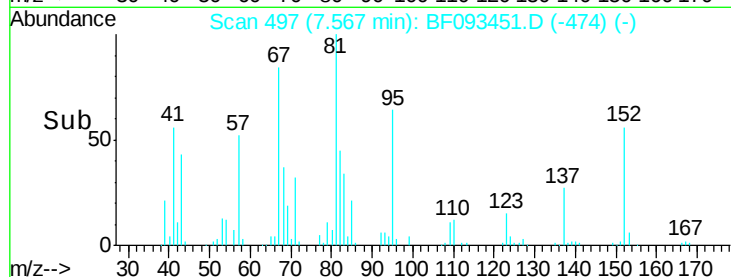
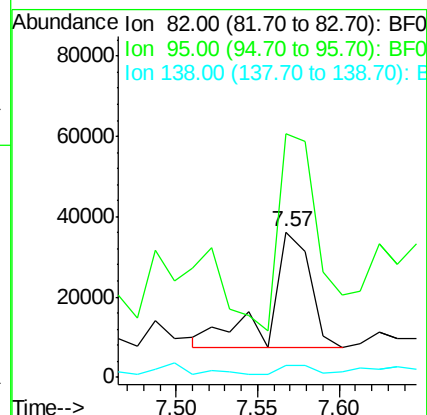
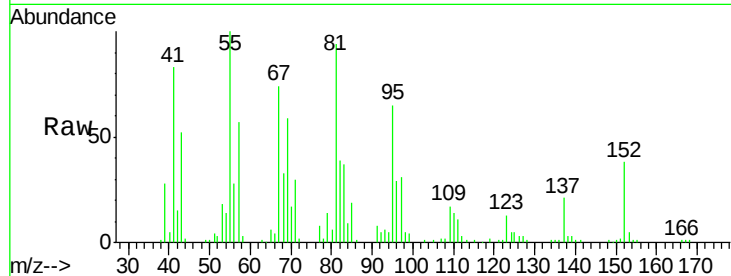
Tgt Ion: 82 Resp: 50277

Ion Ratio Lower Upper

82 100

95 167.6 5.6 8.4#

138 8.6 14.6 22.0#



#26

2-Nitrophenol

Concen: 2.73 ng

RT: 7.73 min Scan# 511

Delta R.T. 0.05 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

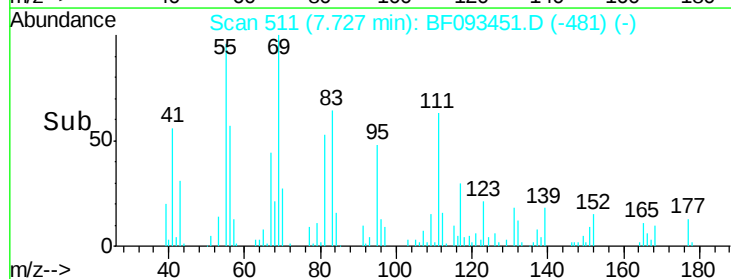
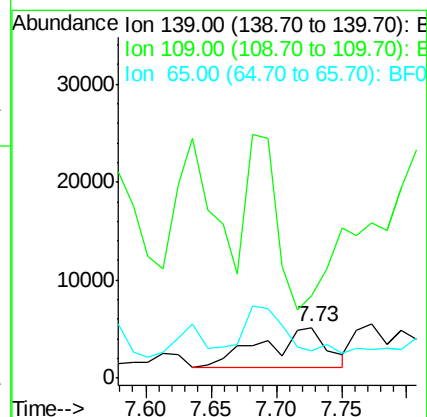
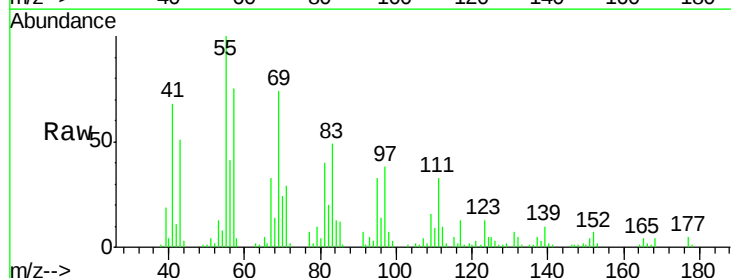
Tgt Ion: 139 Resp: 14077

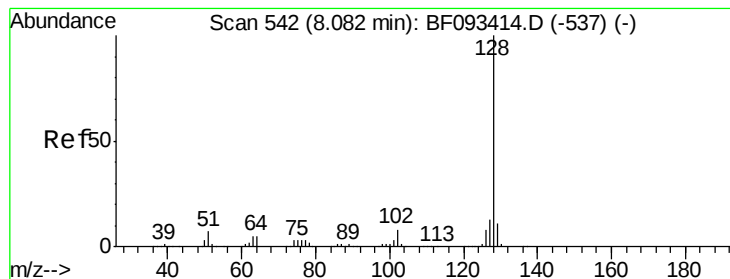
Ion Ratio Lower Upper

139 100

109 161.7 23.3 34.9#

65 53.5 42.7 64.1





#31

Naphthalene

Concen: 2.65 ng

RT: 8.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

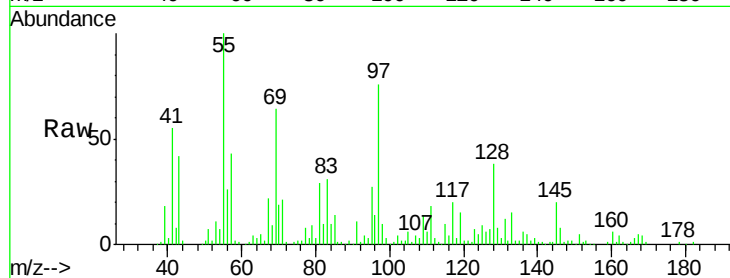
Tgt Ion:128 Resp: 74253

Ion Ratio Lower Upper

128 100

129 20.9 9.5 14.3#

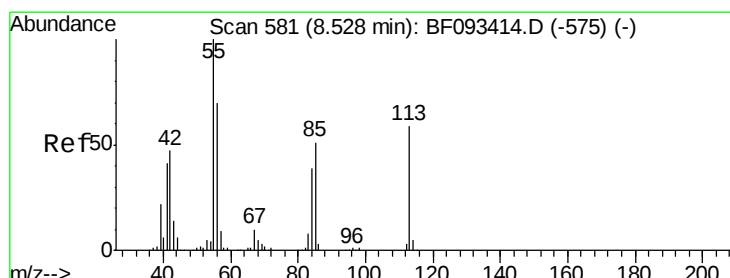
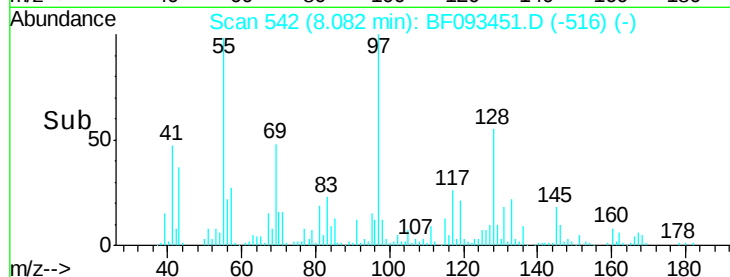
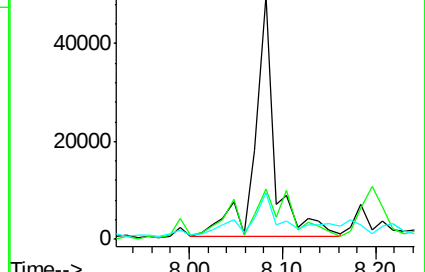
127 19.2 10.8 16.2#



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



#35

Caprolactam

Concen: 23.23 ng

RT: 8.48 min Scan# 577

Delta R.T. -0.05 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

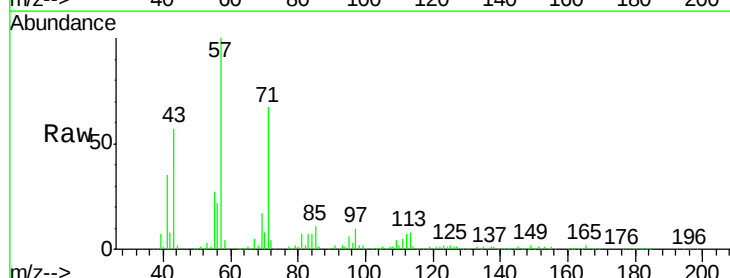
Tgt Ion:113 Resp: 62703

Ion Ratio Lower Upper

113 100

55 343.0 119.2 159.2#

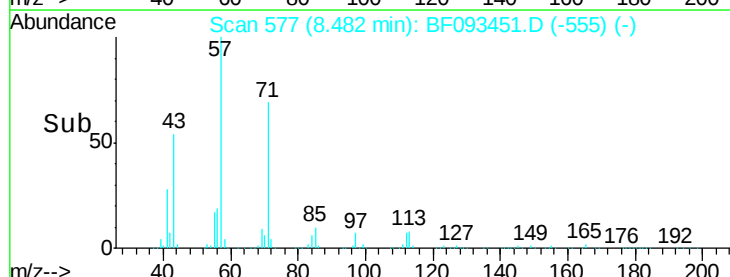
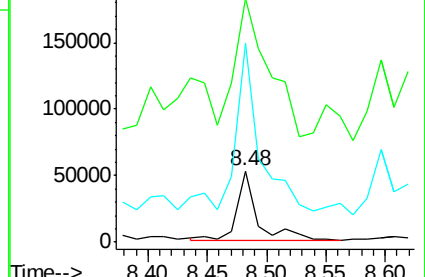
56 280.2 83.8 123.8#

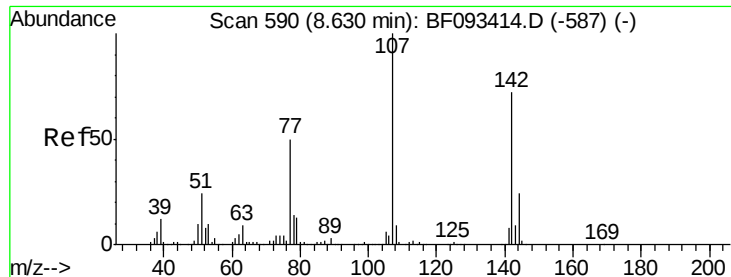


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 3.21 ng

RT: 8.69 min Scan# 595

Delta R.T. 0.06 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

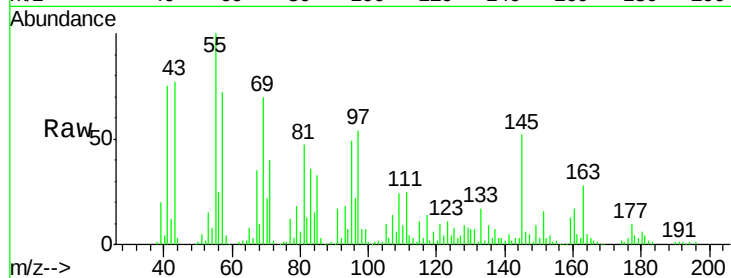
Tgt Ion:107 Resp: 27036

Ion Ratio Lower Upper

107 100

144 20.5 19.3 28.9

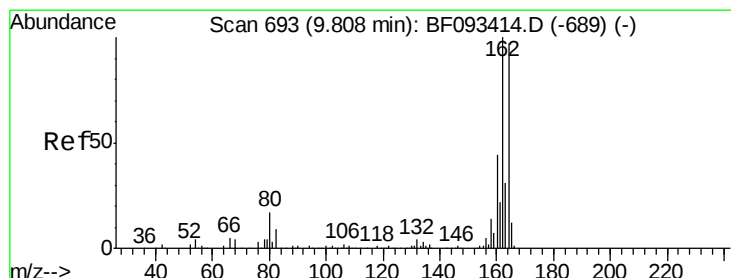
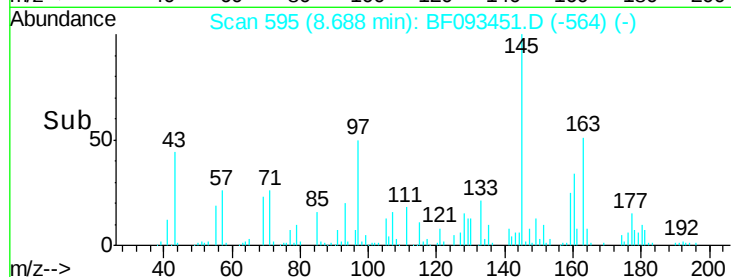
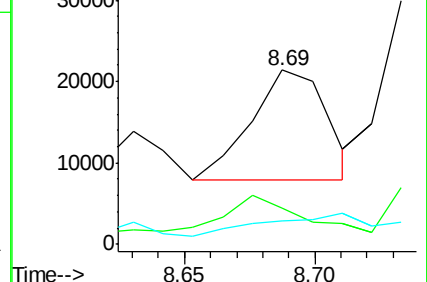
142 13.7 59.0 88.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 694

Delta R.T. 0.01 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

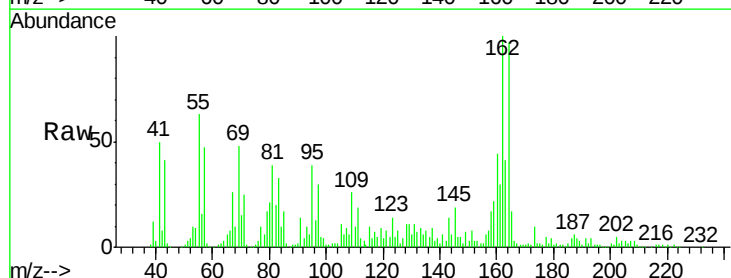
Tgt Ion:164 Resp: 214006

Ion Ratio Lower Upper

164 100

162 103.6 80.2 120.2

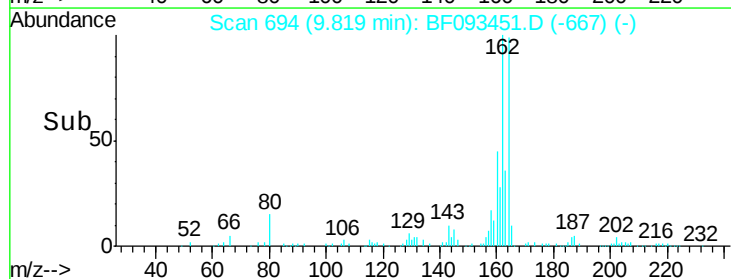
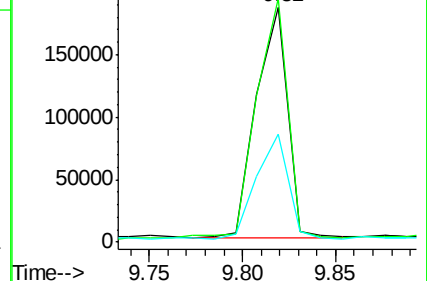
160 45.9 36.9 55.3

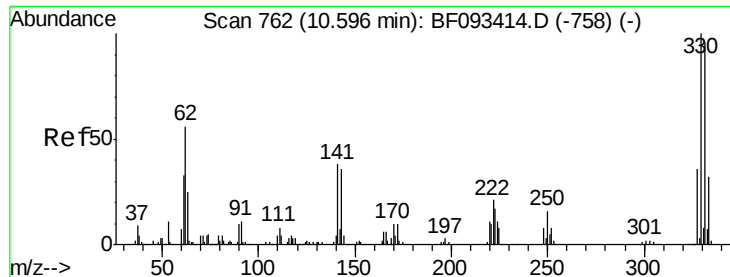


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

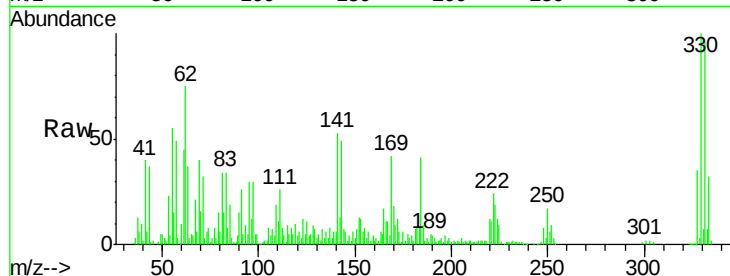




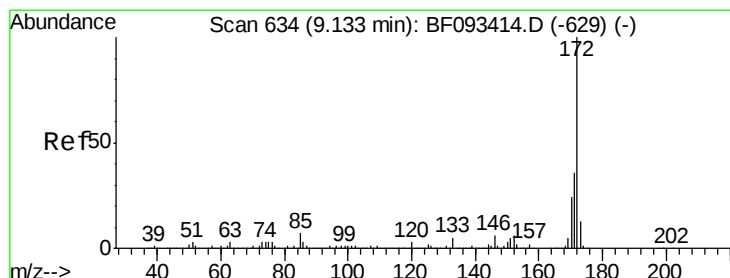
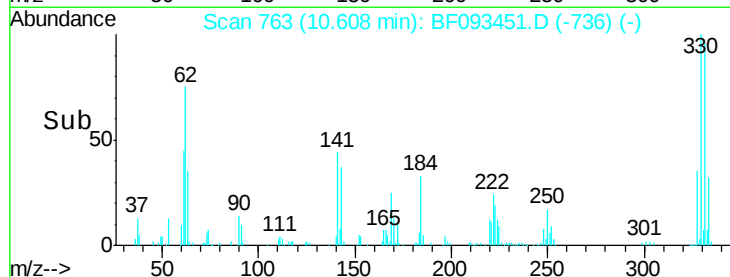
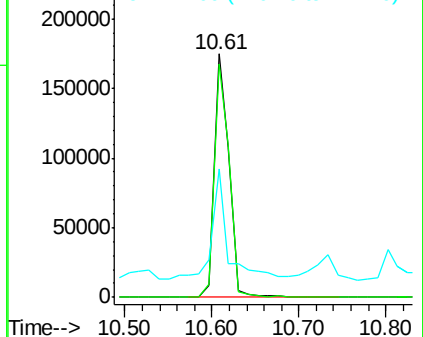
#41
 2,4,6-Tribromophenol
 Concen: 149.27 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

Tgt Ion:330 Resp: 208131
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.4 116.2
 141 48.4 34.1 51.1

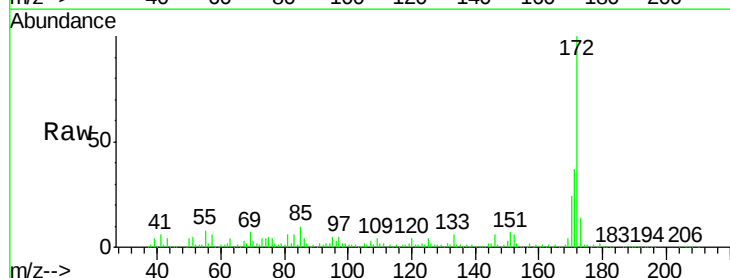


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

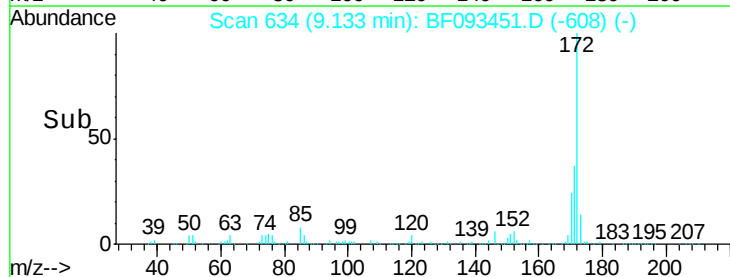
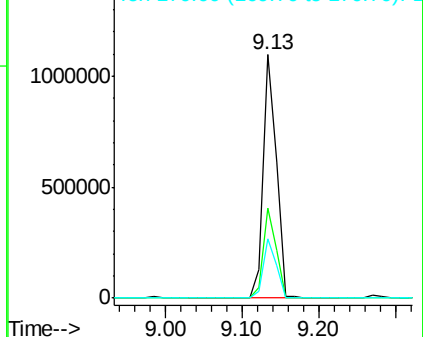


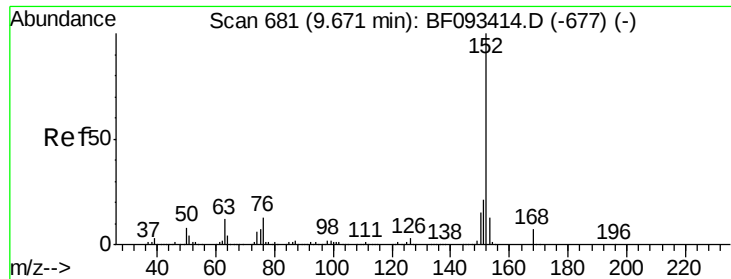
#44
 2-Fluorobiphenyl
 Concen: 112.11 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Tgt Ion:172 Resp: 1289903
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.4 20.2 30.4



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





#48

Acenaphthylene

Concen: 3.38 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.01 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

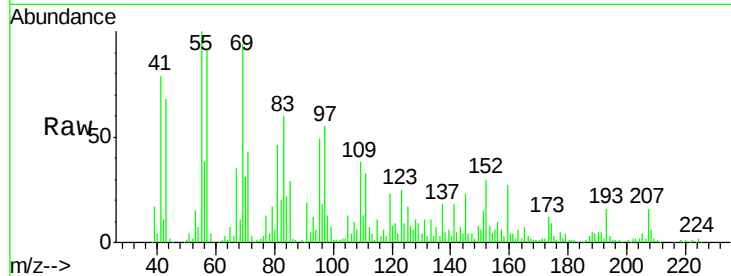
Tgt Ion:152 Resp: 66484

Ion Ratio Lower Upper

152 100

151 52.1 16.9 25.3#

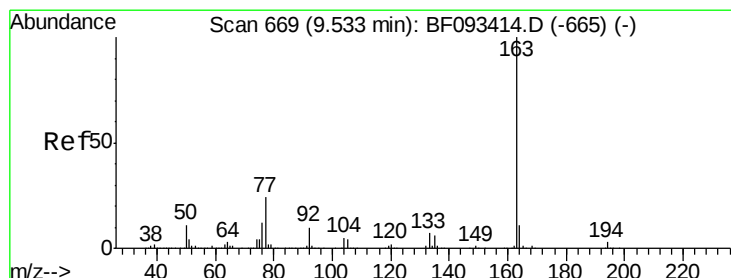
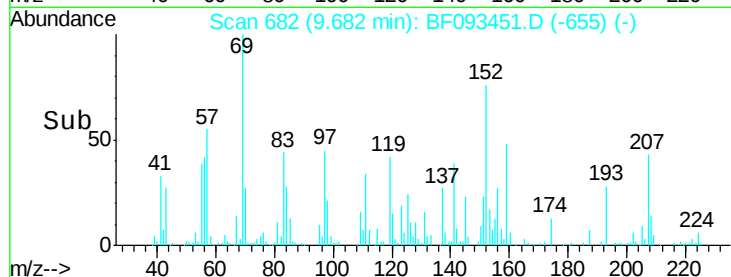
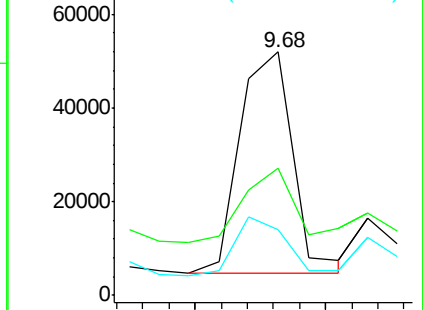
153 27.2 11.4 17.2#



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



#49

Dimethylphthalate

Concen: 17.83 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

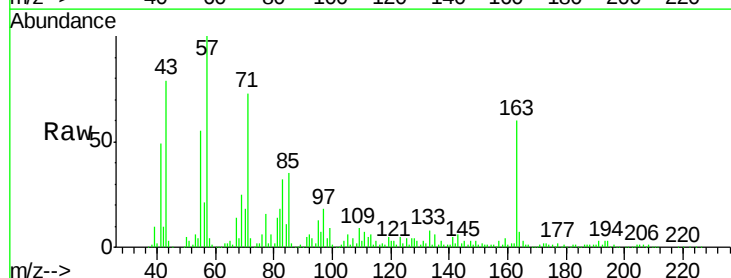
Tgt Ion:163 Resp: 252985

Ion Ratio Lower Upper

163 100

194 4.9 3.0 4.4#

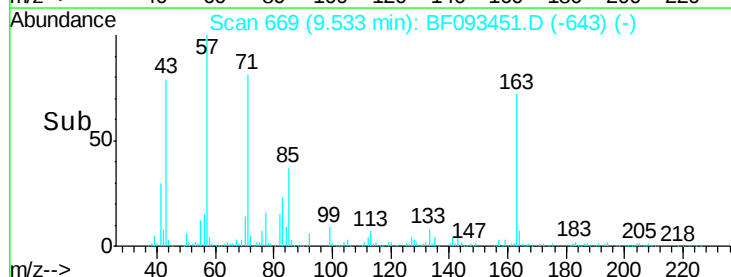
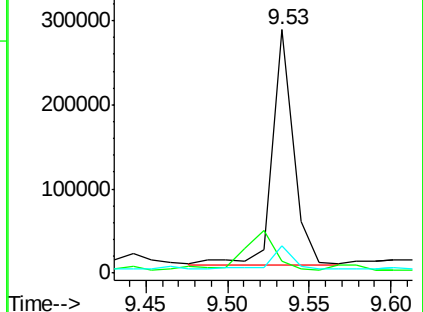
164 11.1 8.0 12.0

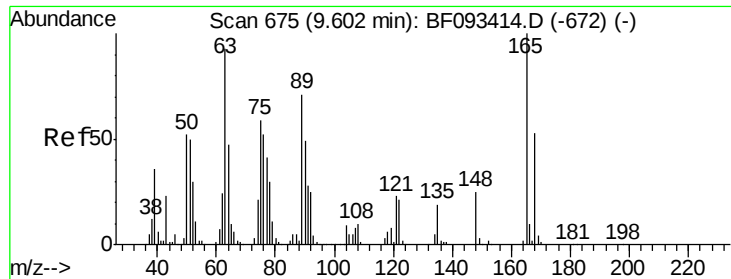


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

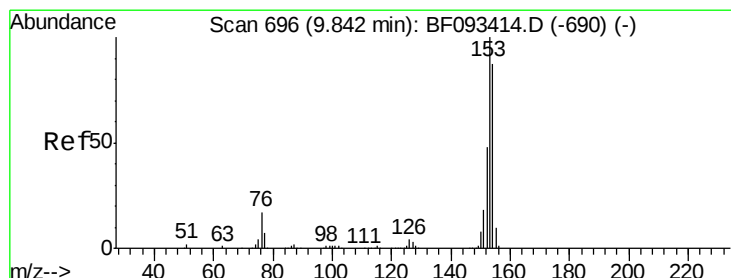
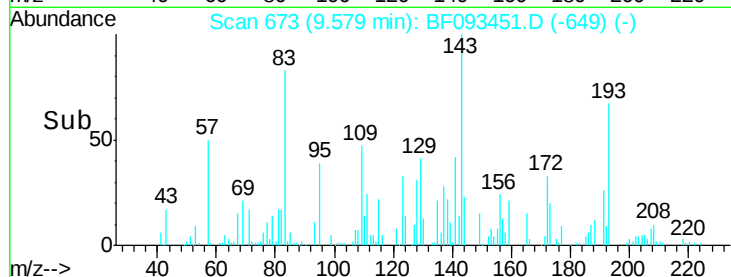
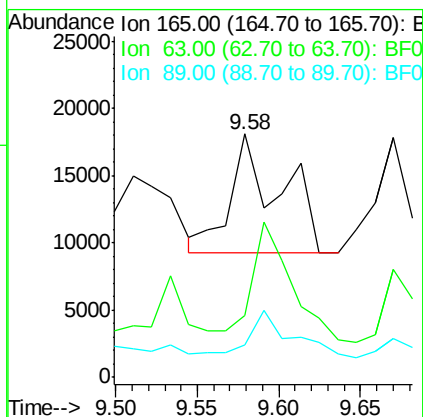
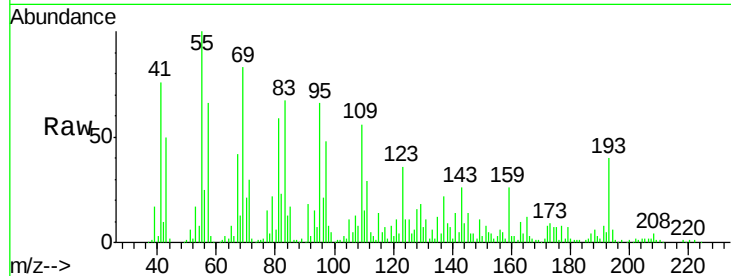




#50
 2,6-Dinitrotoluene
 Concen: 5.93 ng
 RT: 9.58 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

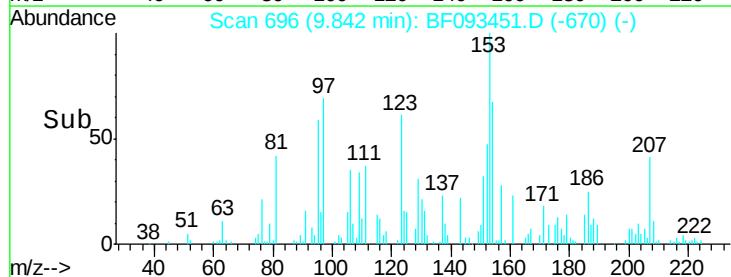
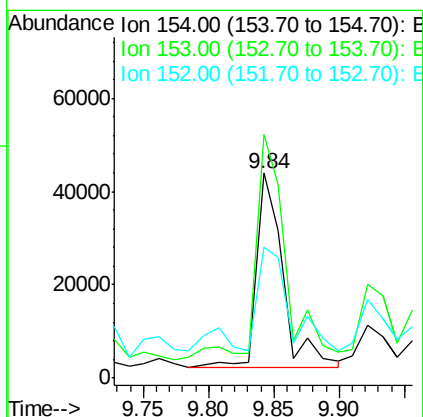
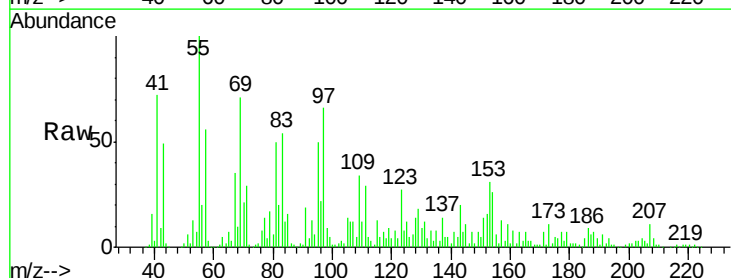
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

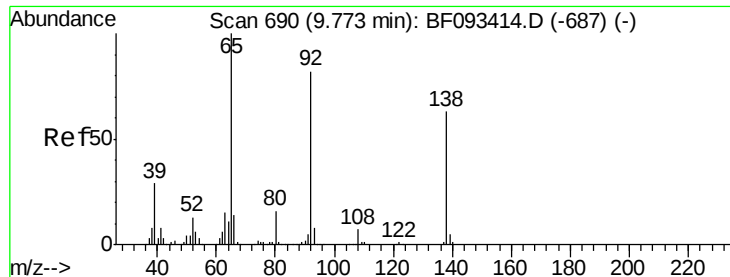
Tgt Ion:165 Resp: 18460
 Ion Ratio Lower Upper
 165 100
 63 25.6 36.2 54.4#
 89 13.3 40.2 60.4#



#51
 Acenaphthene
 Concen: 5.10 ng
 RT: 9.84 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Tgt Ion:154 Resp: 59364
 Ion Ratio Lower Upper
 154 100
 153 118.8 88.6 133.0
 152 63.7 41.6 62.4#





#52

3-Nitroaniline

Concen: 6.64 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

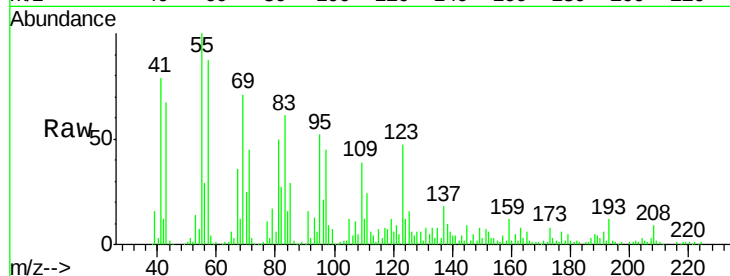
Tgt Ion:138 Resp: 24829

Ion Ratio Lower Upper

138 100

108 55.1 8.5 12.7#

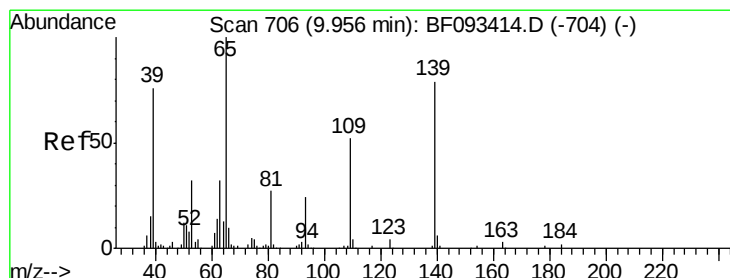
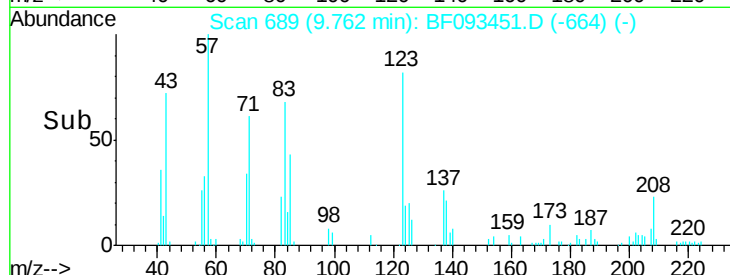
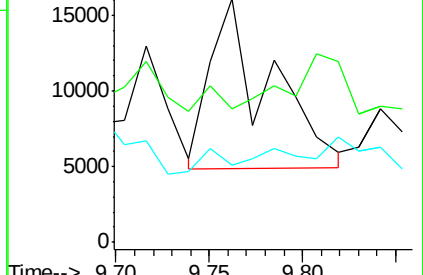
92 31.9 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#55

4-Nitrophenol

Concen: 7.77 ng

RT: 10.01 min Scan# 711

Delta R.T. 0.06 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

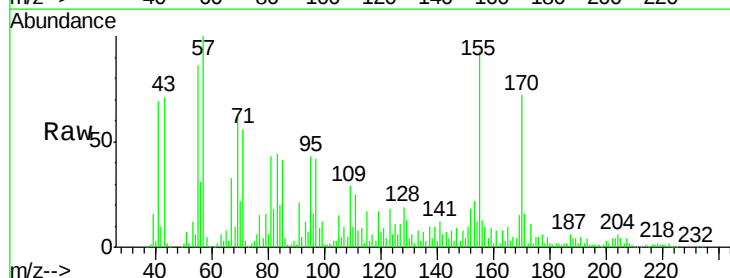
Tgt Ion:139 Resp: 14112

Ion Ratio Lower Upper

139 100

109 295.0 52.2 92.2#

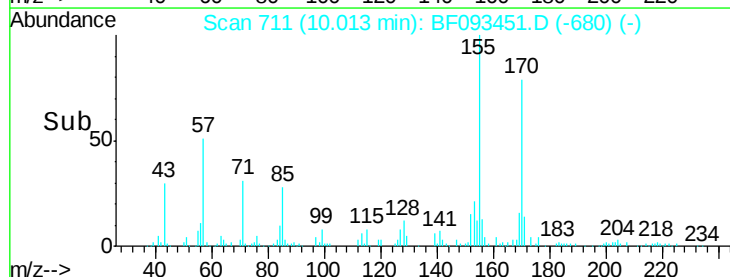
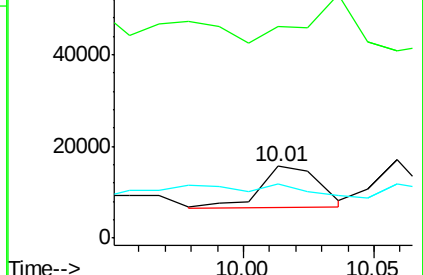
65 75.9 85.8 125.8#

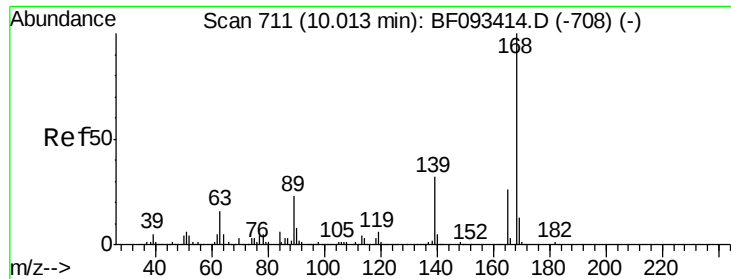


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

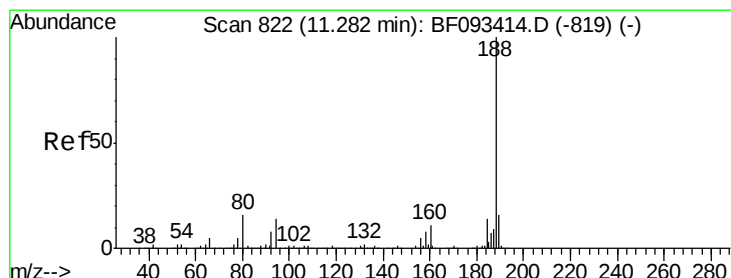
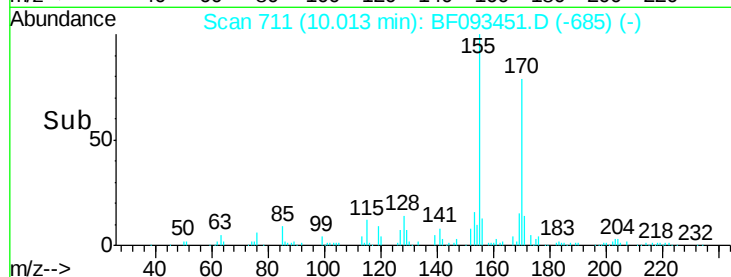
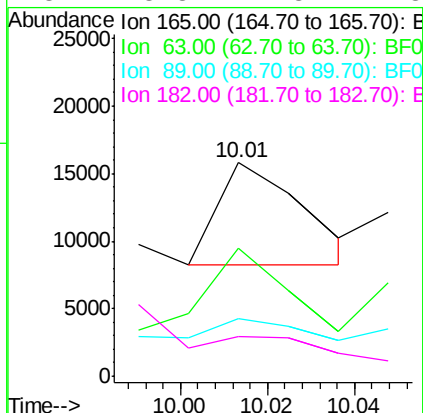
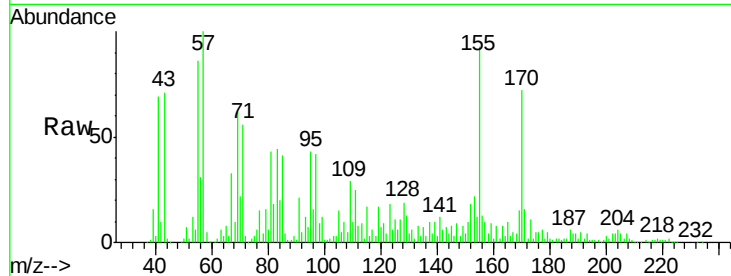




#56
 2,4-Dinitrotoluene
 Concen: 2.63 ng
 RT: 10.01 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

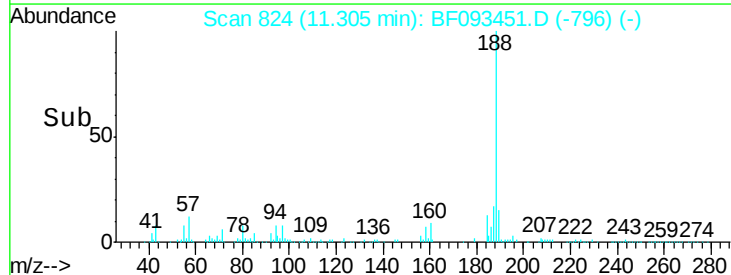
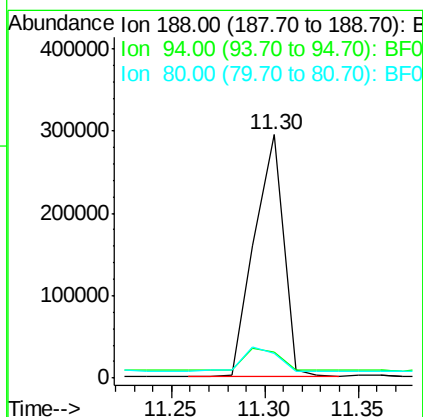
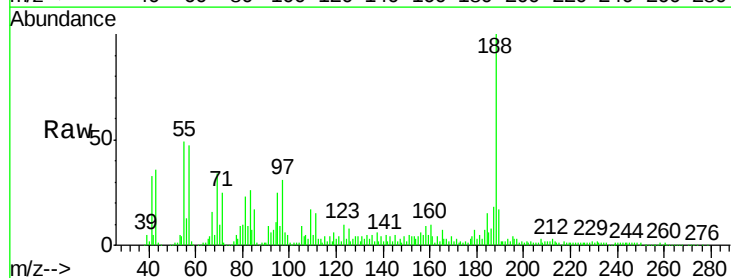
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

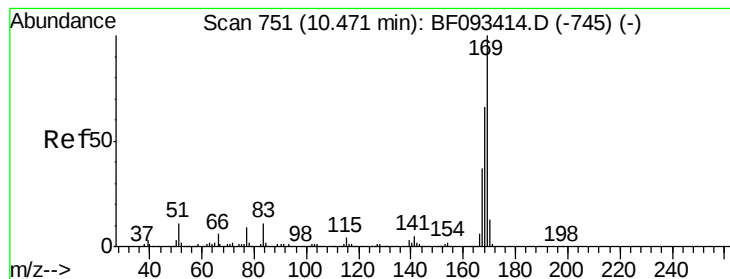
Tgt Ion:165 Resp: 10072
 Ion Ratio Lower Upper
 165 100
 63 60.2 40.2 60.4
 89 27.0 62.5 93.7#
 182 18.8 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 824
 Delta R.T. 0.02 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Tgt Ion:188 Resp: 318982
 Ion Ratio Lower Upper
 188 100
 94 10.9 10.0 15.0
 80 10.2 11.2 16.8#





#65

n-Nitrosodiphenylamine

Concen: 21.03 ng

RT: 10.47 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

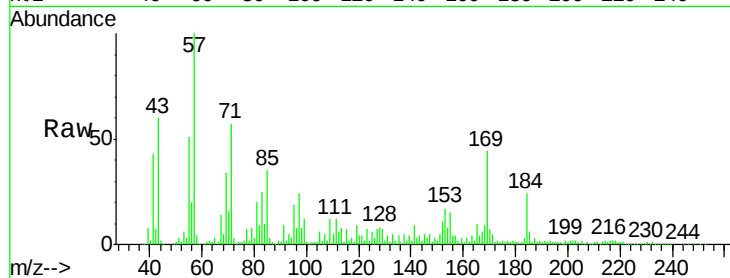
Tgt Ion:169 Resp: 223997

Ion Ratio Lower Upper

169 100

168 20.9 54.2 81.2#

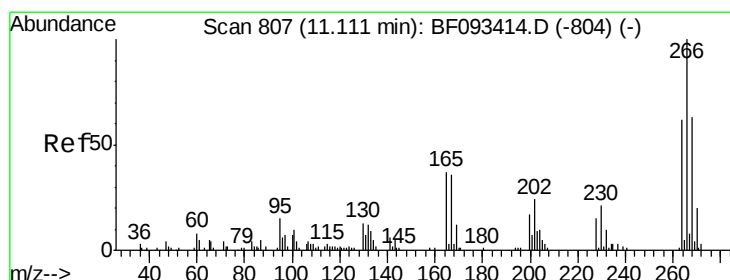
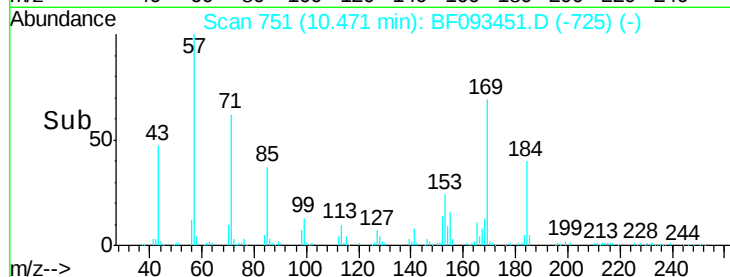
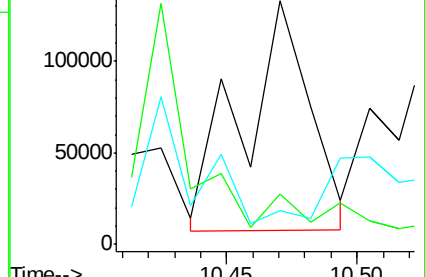
167 13.6 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 2.73 ng

RT: 11.14 min Scan# 810

Delta R.T. 0.03 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

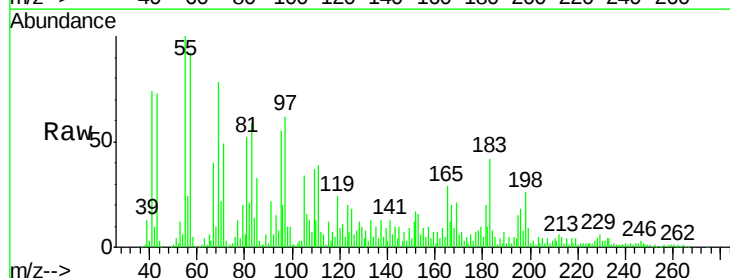
Tgt Ion:266 Resp: 3041

Ion Ratio Lower Upper

266 100

268 0.0 53.3 79.9#

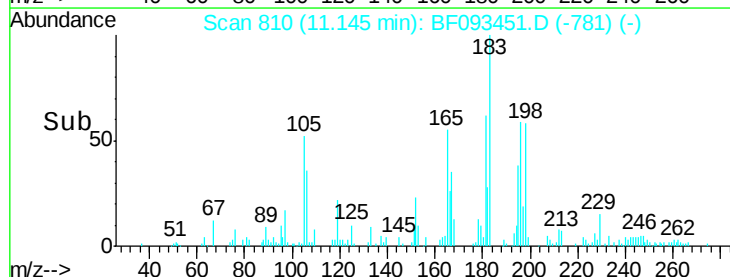
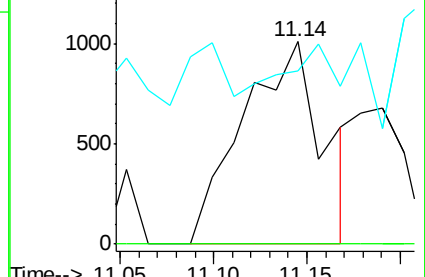
264 85.7 50.3 75.5#

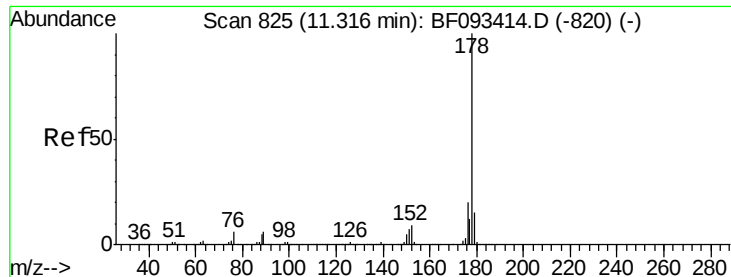


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

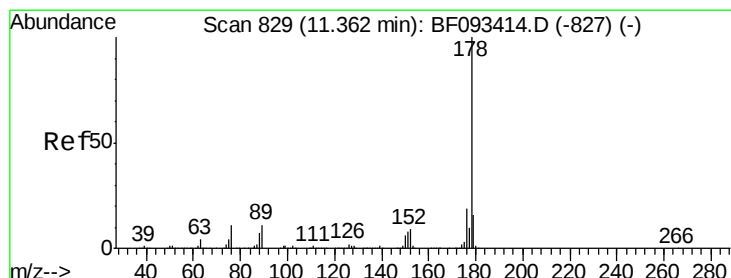
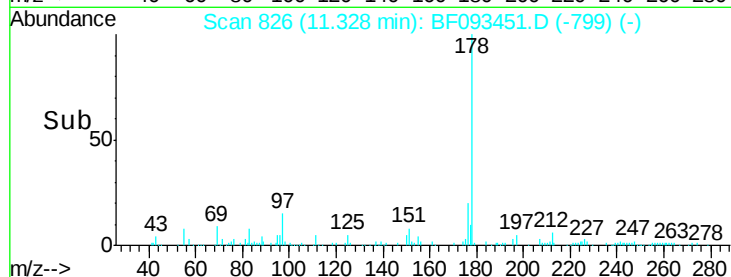
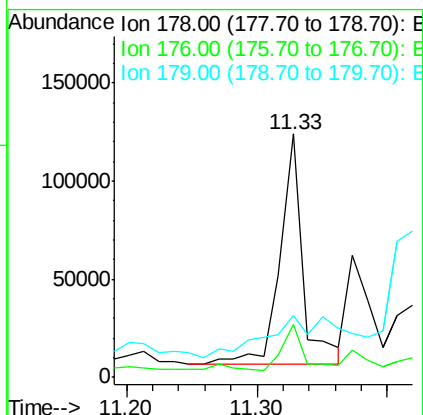
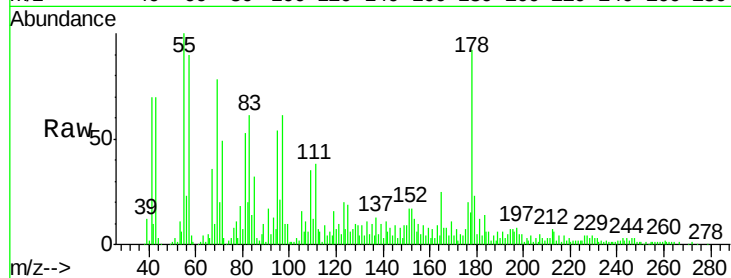




#70
Phenanthrene
Concen: 7.89 ng
RT: 11.33 min Scan# 826
Delta R.T. 0.01 min
Lab File: BF093451.D
Acq: 9 Mar 2017 1:40

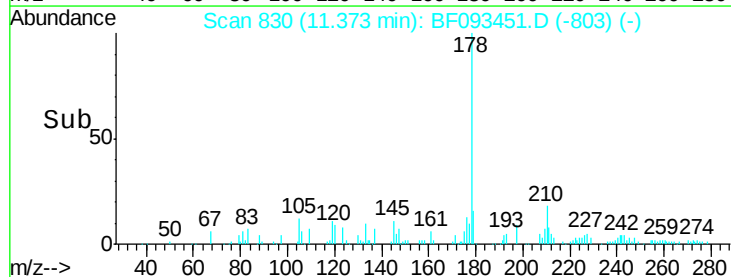
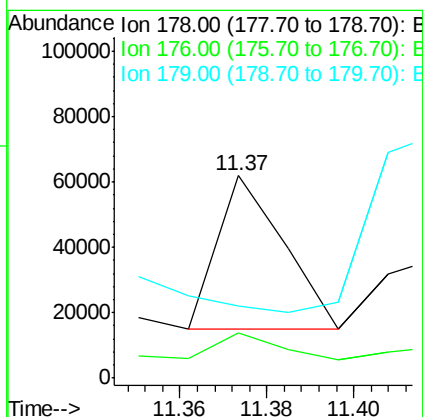
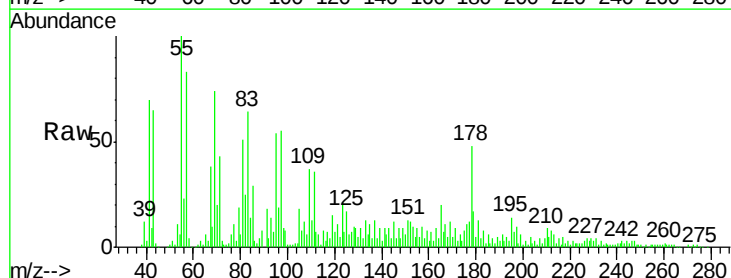
Instrument :
BNA_F
ClientSampleId :
HY-SB415A

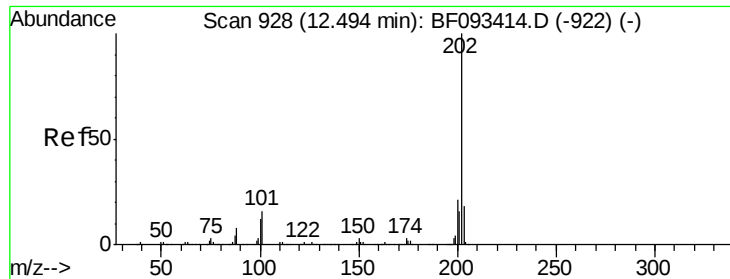
Tgt Ion:178 Resp: 143711
Ion Ratio Lower Upper
178 100
176 21.6 16.6 25.0
179 25.3 12.8 19.2#



#71
Anthracene
Concen: 2.67 ng
RT: 11.37 min Scan# 830
Delta R.T. 0.01 min
Lab File: BF093451.D
Acq: 9 Mar 2017 1:40

Tgt Ion:178 Resp: 49120
Ion Ratio Lower Upper
178 100
176 22.3 15.9 23.9
179 35.7 13.2 19.8#

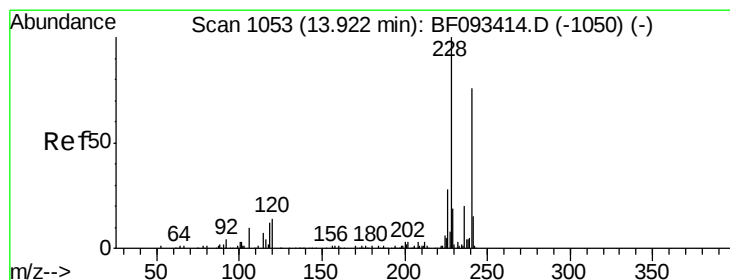
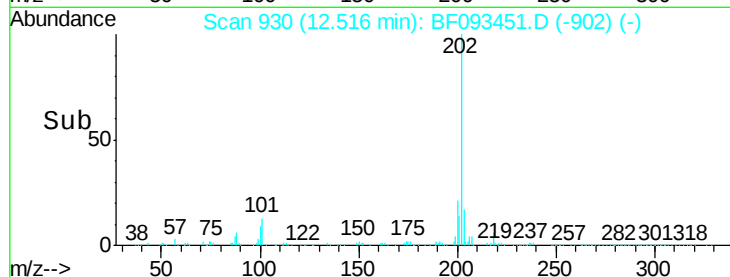
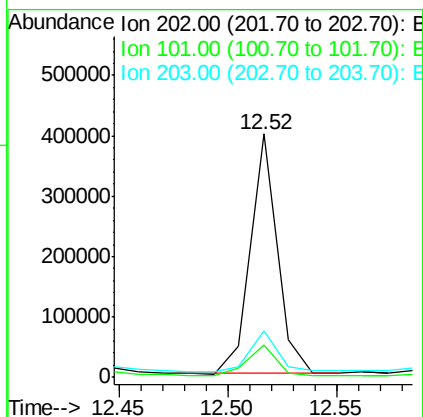
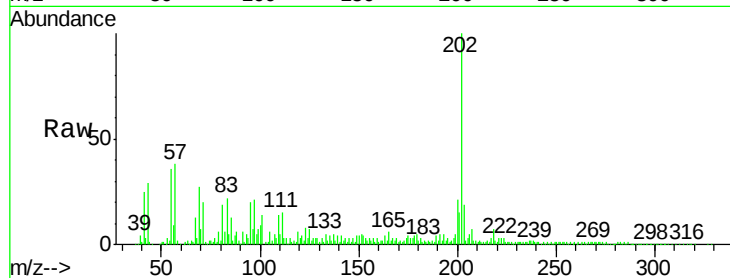




#74
 Fluoranthene
 Concen: 19.29 ng
 RT: 12.52 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

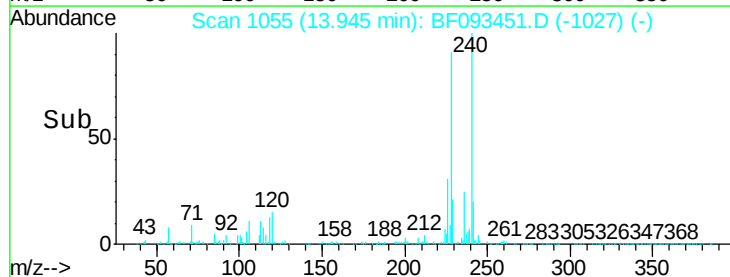
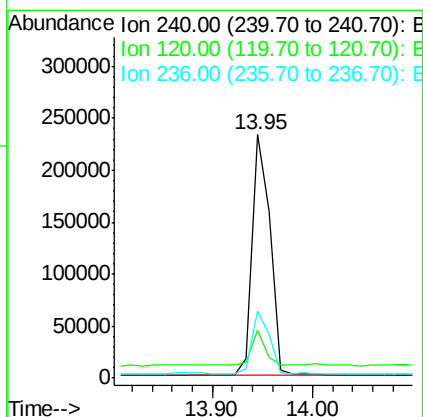
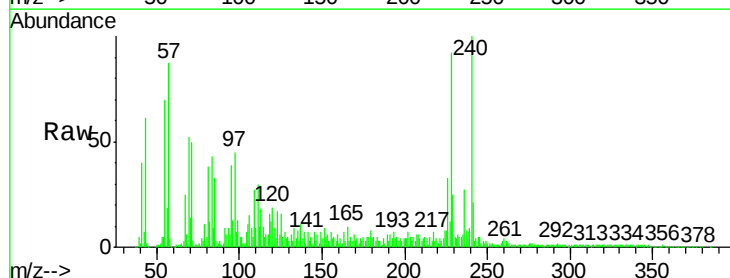
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

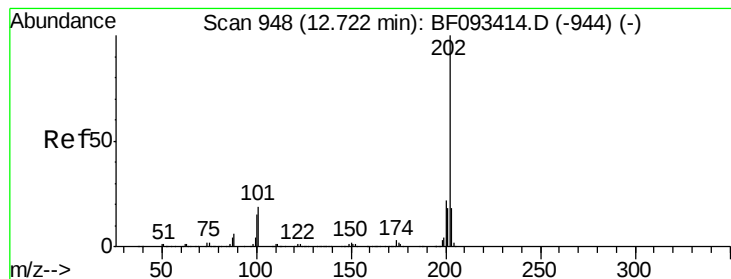
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.6
203	19.2	0.0	38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.5	12.9	19.3#
236	27.5	20.9	31.3





#77

Pyrene

Concen: 24.88 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.02 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

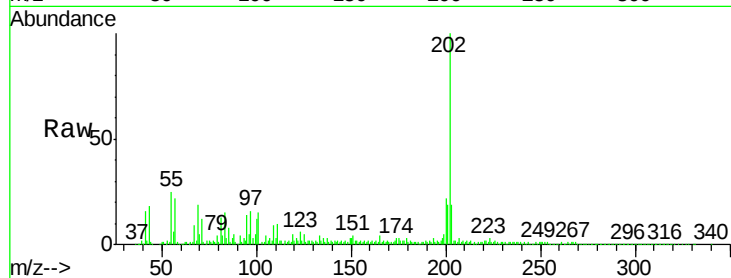
Tgt Ion:202 Resp: 517258

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

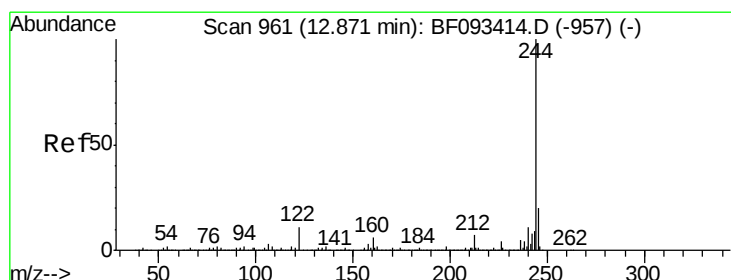
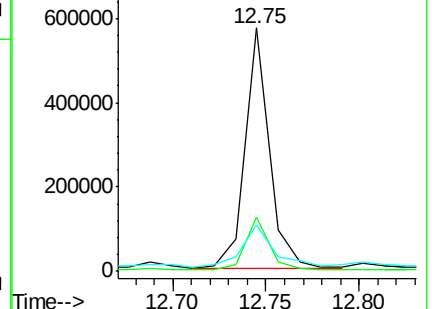
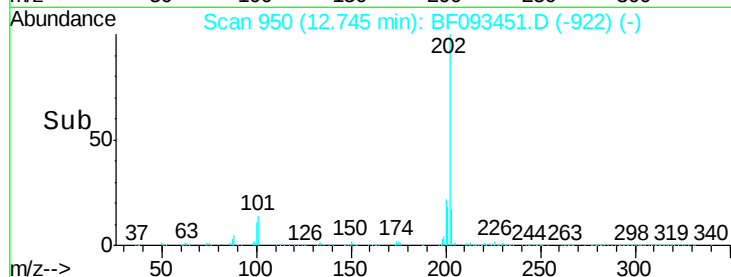
203 19.0 14.7 22.1



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: 85.67 ng

RT: 12.88 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

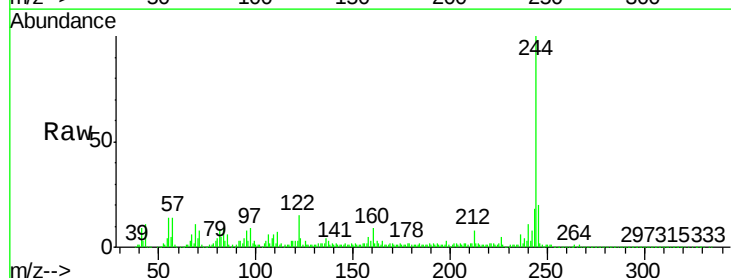
Tgt Ion:244 Resp: 942054

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

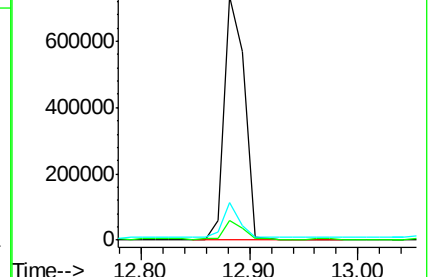
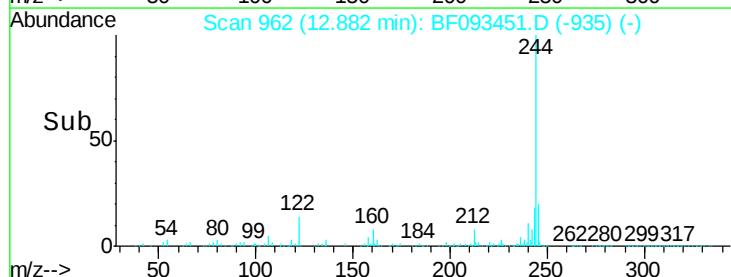
122 15.3 11.4 17.2

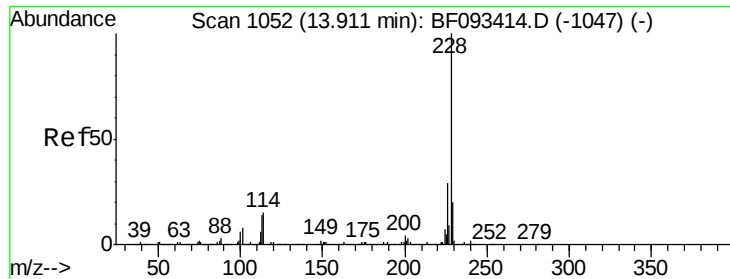


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 23.46 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.02 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

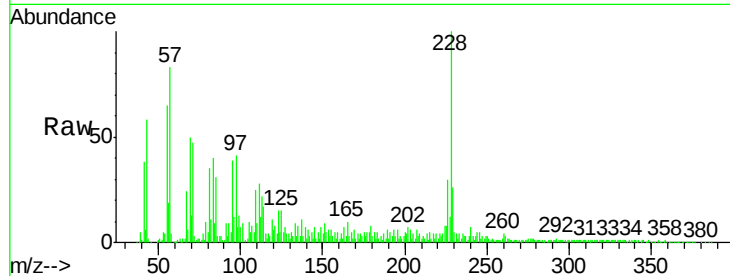
Tgt Ion:228 Resp: 396027

Ion Ratio Lower Upper

228 100

226 30.2 22.4 33.6

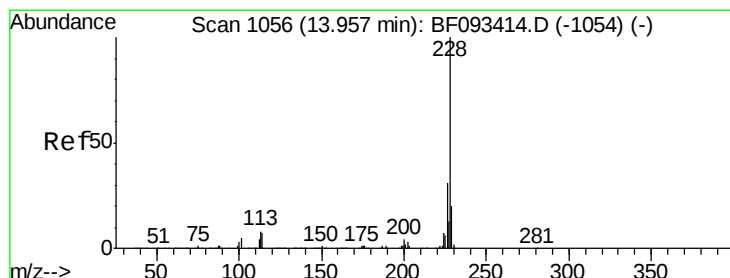
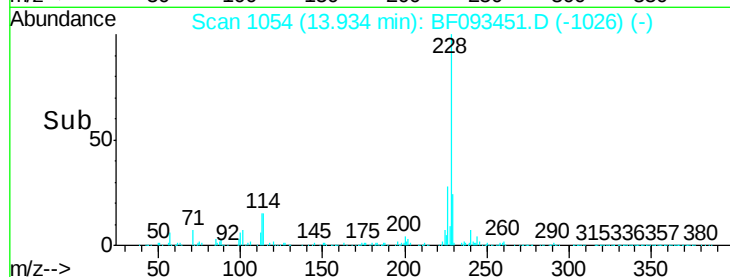
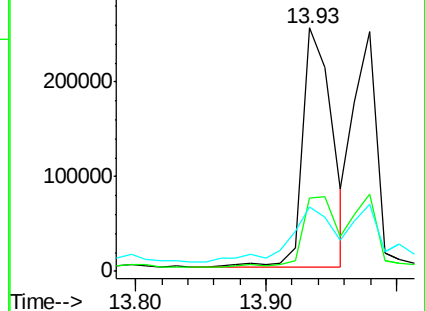
229 26.4 16.2 24.4#



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: 25.35 ng

RT: 13.93 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

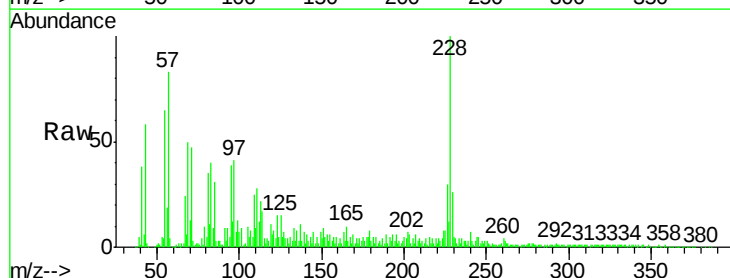
Tgt Ion:228 Resp: 396027

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.0

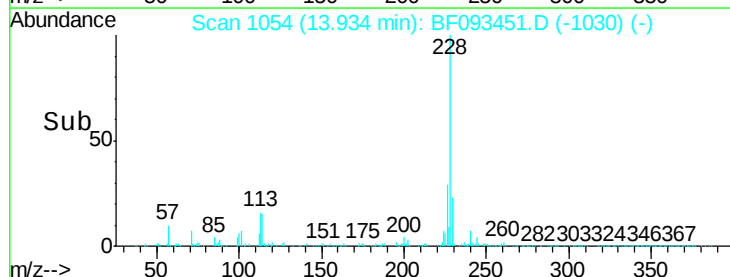
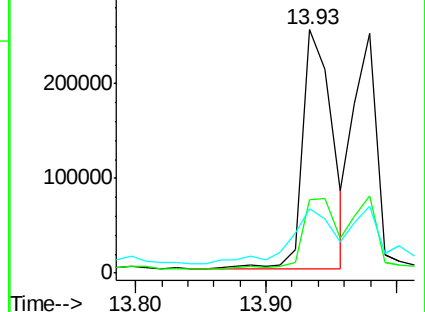
229 26.4 16.2 24.2#

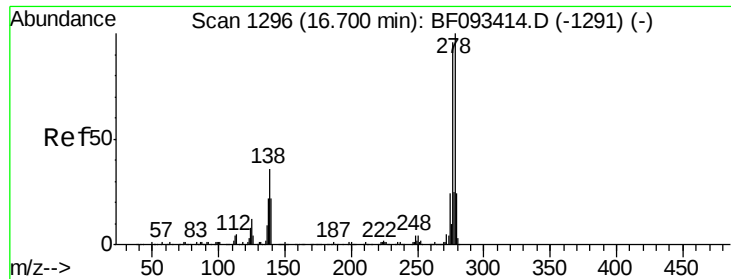


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

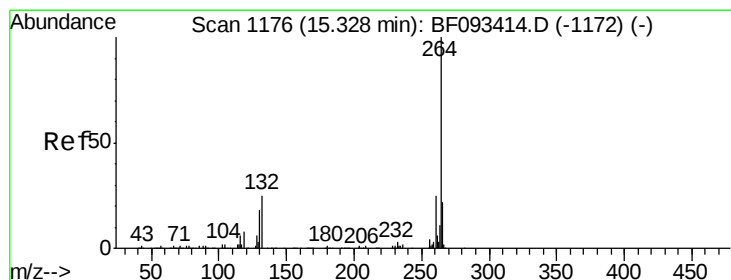
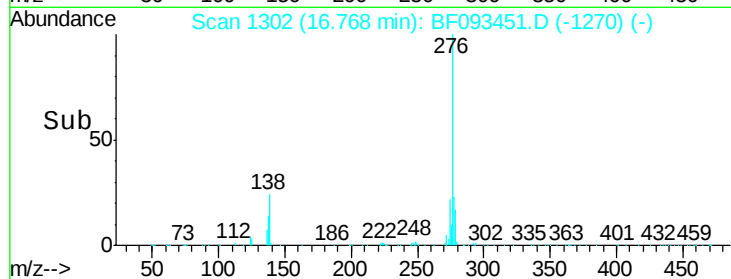
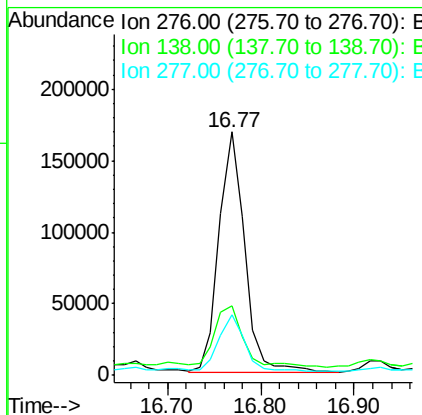
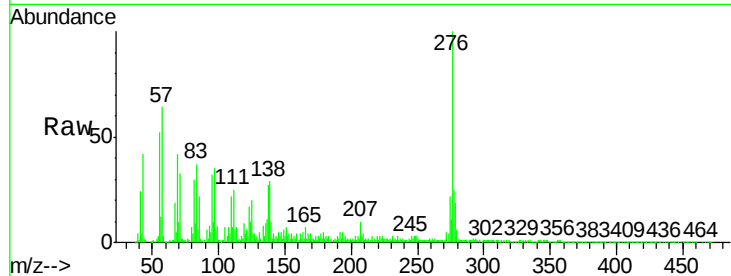




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.58 ng
 RT: 16.77 min Scan# 1302
 Delta R.T. 0.07 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

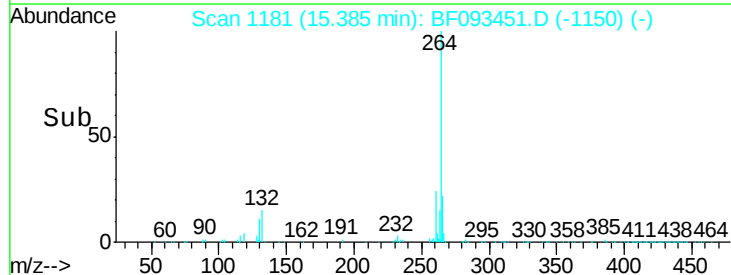
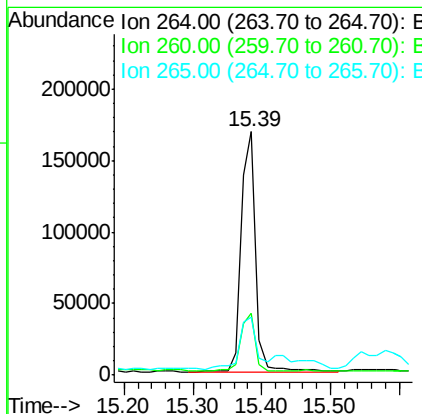
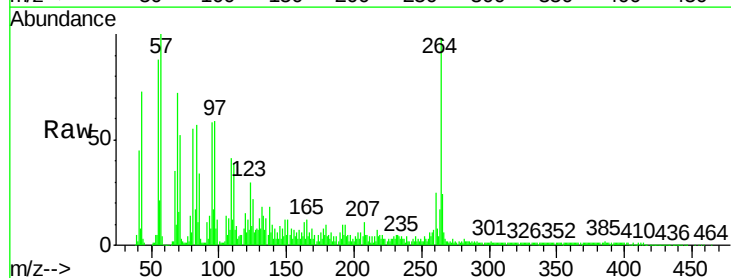
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB415A

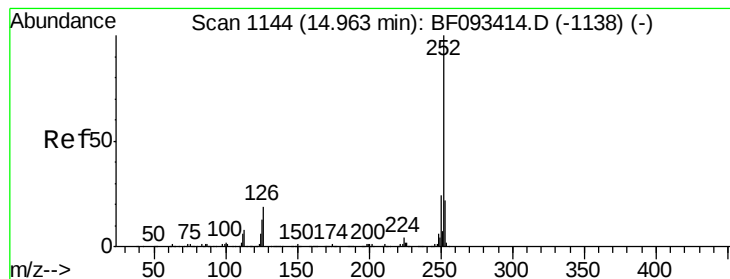
Tgt Ion: 276 Resp: 321386
 Ion Ratio Lower Upper
 276 100
 138 28.3 21.8 32.6
 277 23.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1181
 Delta R.T. 0.06 min
 Lab File: BF093451.D
 Acq: 9 Mar 2017 1:40

Tgt Ion: 264 Resp: 247502
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.2 28.8
 265 24.1 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 46.93 ng

RT: 14.97 min Scan# 1145

Delta R.T. 0.03 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

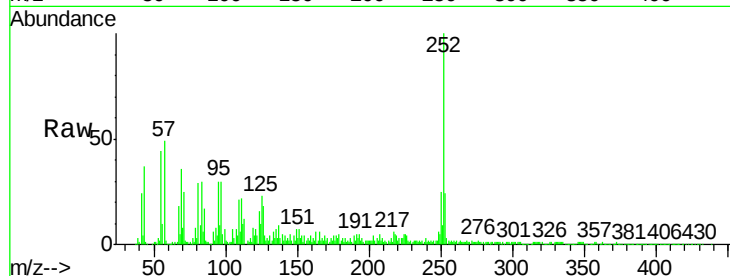
Tgt Ion:252 Resp: 707353

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.4

125 23.3 9.8 14.6#

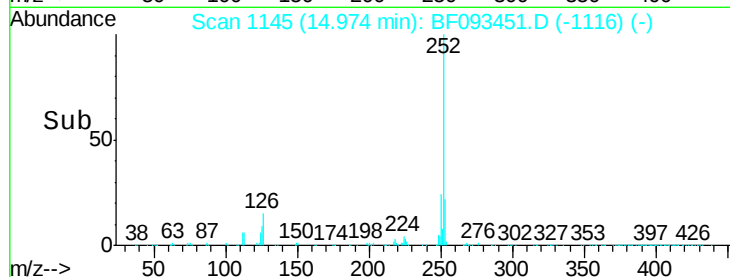


Abundance Ion 252.00 (251.70 to 252.70): E

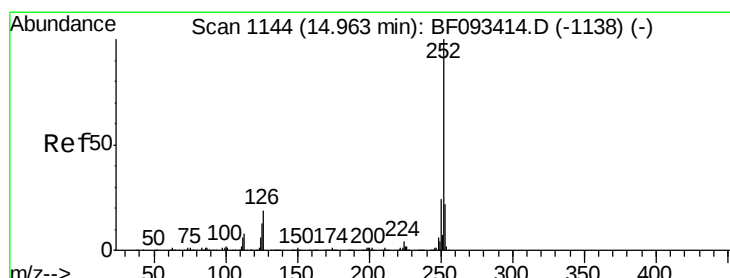
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#88

Benzo(k)fluoranthene

Concen: 48.66 ng

RT: 14.97 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

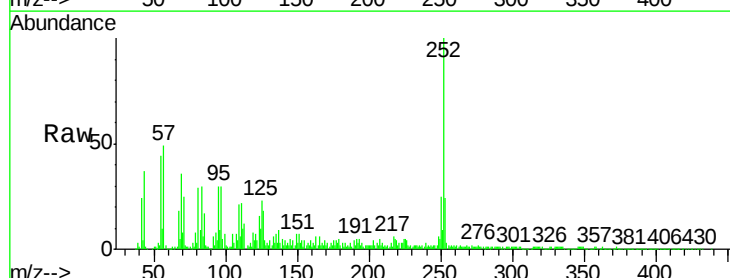
Tgt Ion:252 Resp: 707353

Ion Ratio Lower Upper

252 100

253 23.9 18.5 27.7

125 23.3 8.9 13.3#

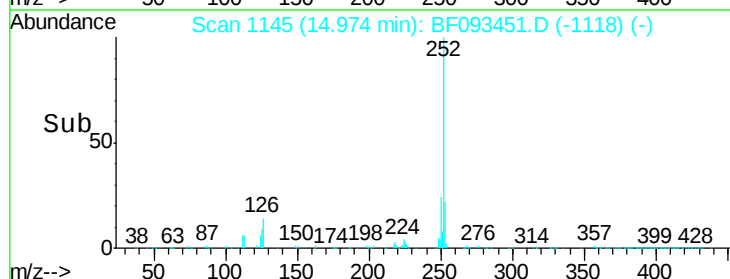


Abundance Ion 252.00 (251.70 to 252.70): E

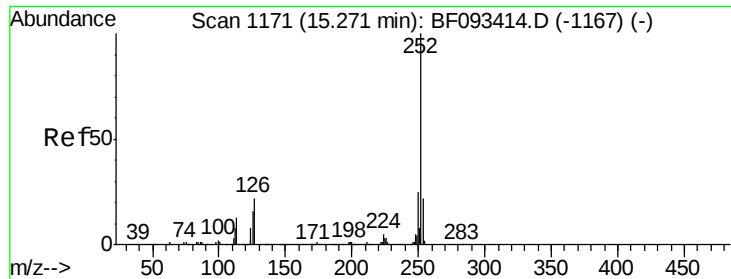
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#89

Benzo(a)pyrene

Concen: 31.62 ng

RT: 15.33 min Scan# 1176

Delta R.T. 0.06 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

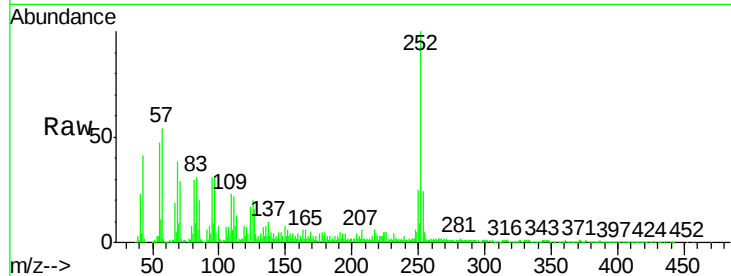
Tgt Ion: 252 Resp: 435624

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

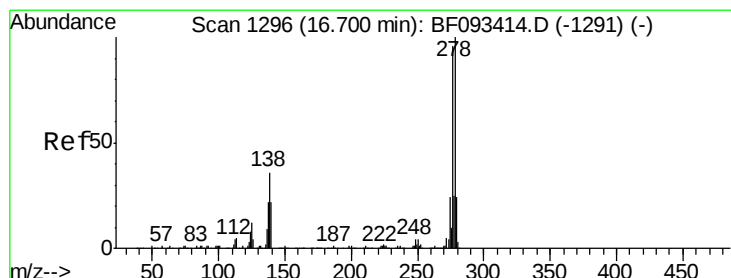
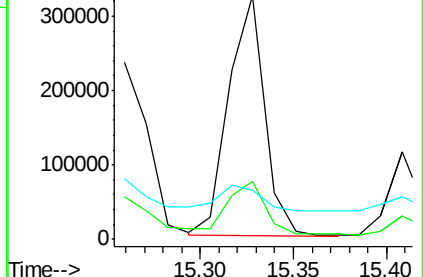
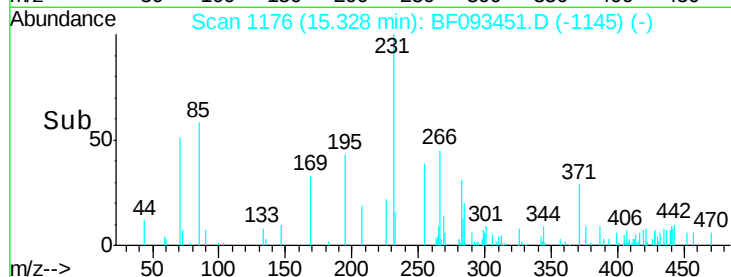
125 20.4 10.0 15.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 5.88 ng

RT: 16.77 min Scan# 1302

Delta R.T. 0.07 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

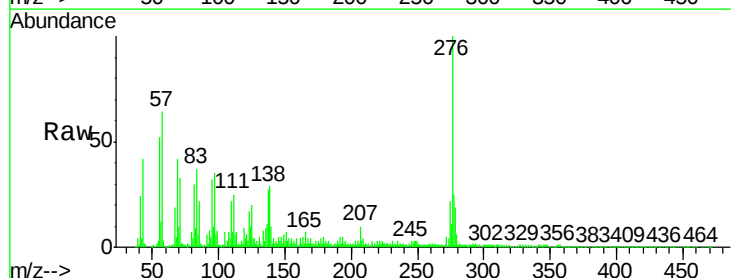
Tgt Ion: 278 Resp: 67026

Ion Ratio Lower Upper

278 100

139 52.2 14.8 22.2#

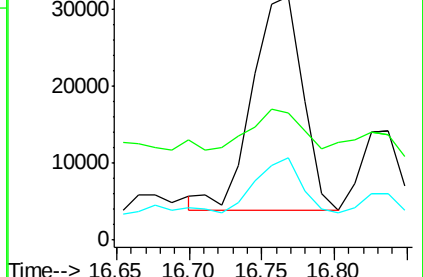
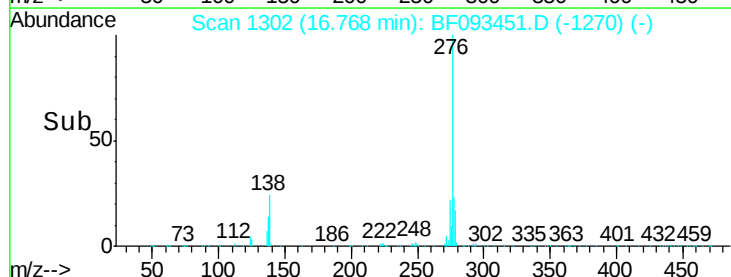
279 33.9 19.8 29.6#

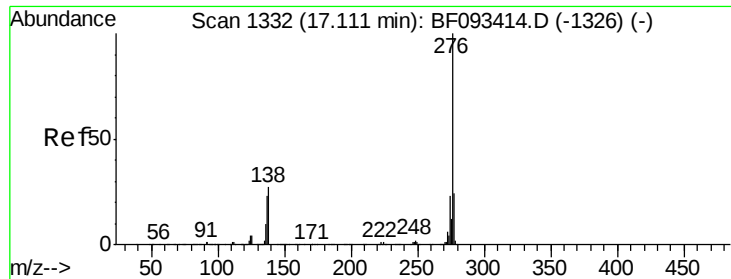


Abundance Ion 278.00 (277.70 to 278.70): E

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: 28.37 ng

RT: 17.19 min Scan# 1339

Delta R.T. 0.08 min

Lab File: BF093451.D

Acq: 9 Mar 2017 1:40

Instrument :

BNA_F

ClientSampleId :

HY-SB415A

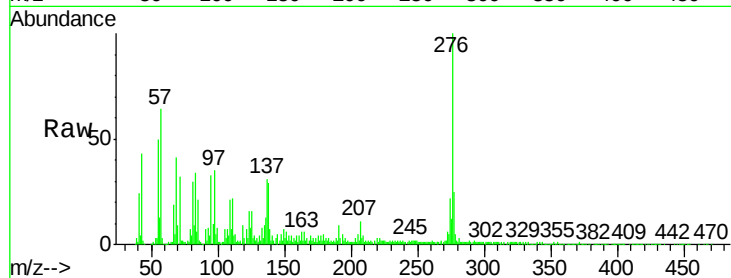
Tgt Ion: 276 Resp: 331904

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 29.5 16.0 24.0#



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

