

Data File : BF093277.D
Acq On : 1 Mar 2017 6:53
Operator : SJ/MA
Sample : I1972-19 2X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Quant Time: Mar 01 07:21:18 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140446	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	524660	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	219285	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	358186	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	277708	20.00	ng	-0.05
86) Perylene-d12	15.41	264	183500	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	303791	37.11	ng	-0.03
7) Phenol-d6	6.46	99	403794	38.34	ng	-0.02
23) Nitrobenzene-d5	7.38	82	222851	23.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	49461	31.19	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	368085	30.41	ng	-0.05
78) Terphenyl-d14	12.91	244	267797	22.66	ng	-0.06

Target Compounds						Qvalue
9) Benzaldehyde	6.36	77	41738	5.53	ng	# 86
25) Isophorone	7.38	82	191370	10.90	ng	# 65
31) Naphthalene	8.12	128	75230	2.83	ng	98
32) Benzoic acid	7.87	122	5192	8.13	ng	# 1
37) 2-Methylnaphthalene	8.81	142	99417	5.82	ng	98
64) 4,6-Dinitro-2-methylphenol	10.66	198	686	2.97	ng	# 1
70) Phenanthrene	11.36	178	168404	8.21	ng	99
71) Anthracene	11.41	178	67846	3.29	ng	99
74) Fluoranthene	12.54	202	249855	11.80	ng	99
77) Pyrene	12.77	202	272154	13.10	ng	99
79) Butylbenzylphthalate	13.39	149	20425	2.42	ng	99
80) Benzo(a)anthracene	13.96	228	161817	9.53	ng	95
82) Chrysene	13.96	228	161817	10.18	ng	95
83) Bis(2-ethylhexyl)phthalate	13.95	149	69445	6.02	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.81	276	67824	5.51	ng	96
87) Benzo(b)fluoranthene	15.00	252	220525	18.26	ng	# 94
88) Benzo(k)fluoranthene	15.00	252	220525	21.15	ng	# 94
89) Benzo(a)pyrene	15.35	252	92896	8.89	ng	# 88
91) Benzo(g,h,i)perylene	17.23	276	77167	9.05	ng	# 88

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

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E2-HH5-SW-1

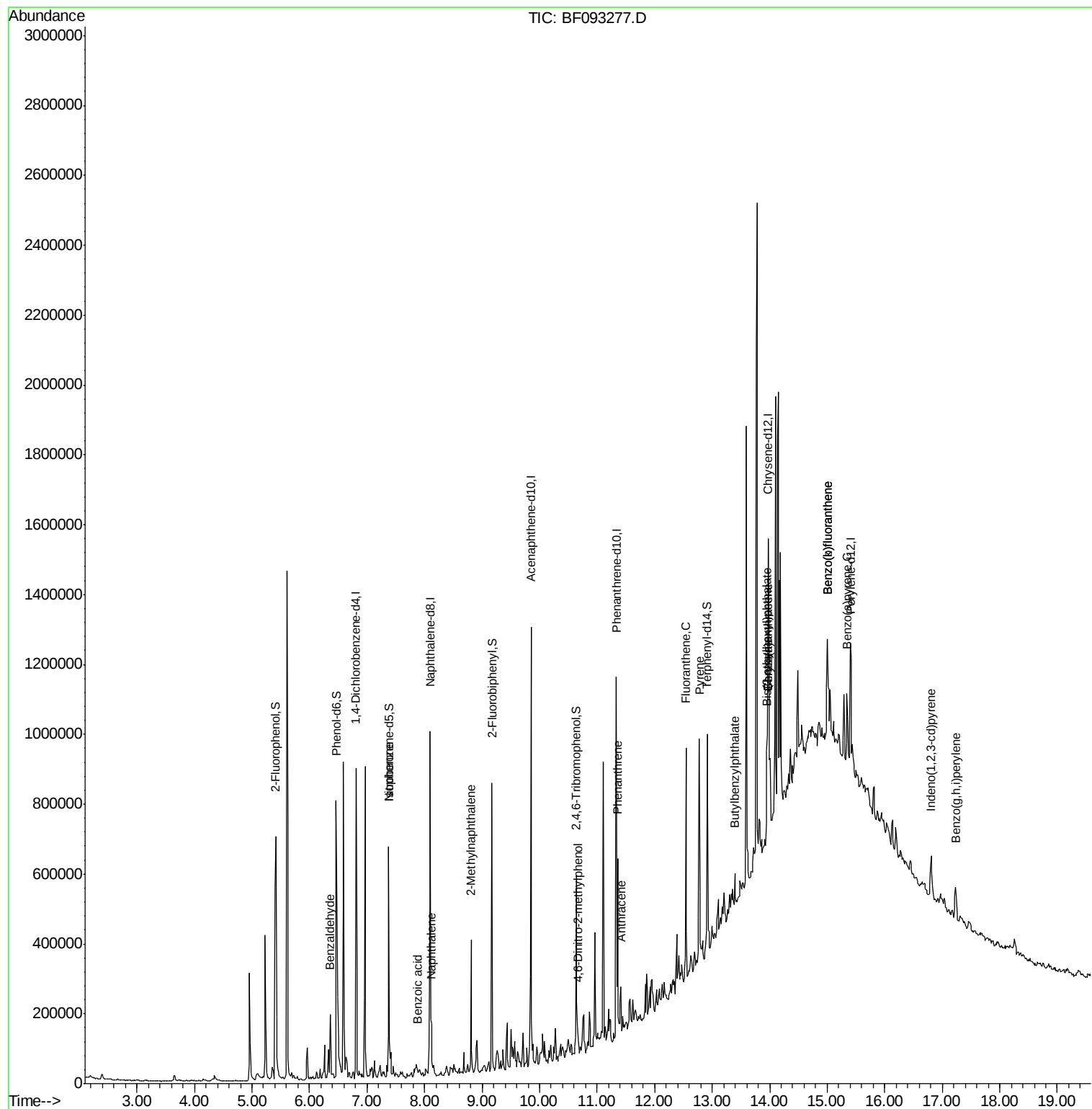
Quant Time: Mar 01 07:21:18 2017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

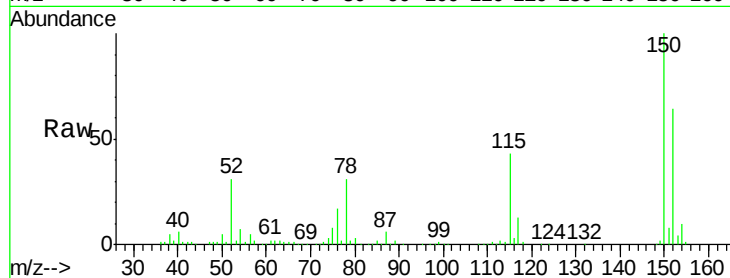
Tgt Ion:152 Resp: 140446

Ion Ratio Lower Upper

152 100

150 156.4 124.9 187.3

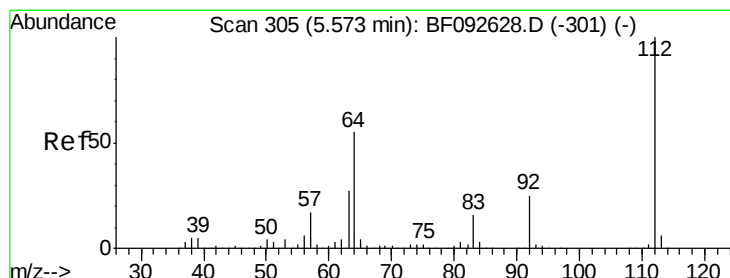
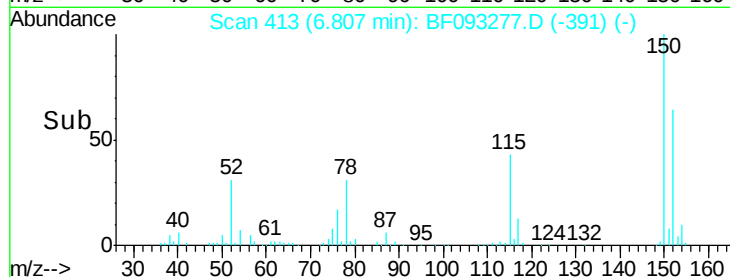
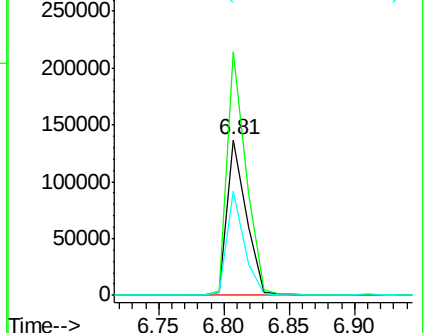
115 67.2 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 37.11 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

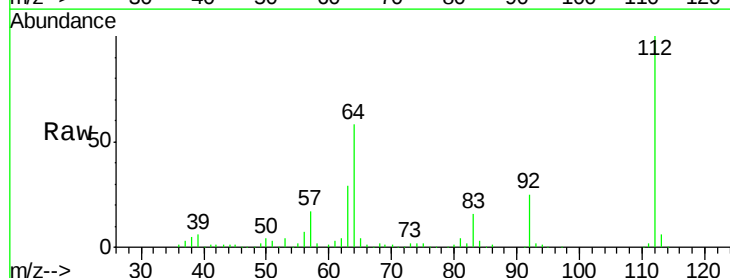
Tgt Ion:112 Resp: 303791

Ion Ratio Lower Upper

112 100

64 58.0 46.1 69.1

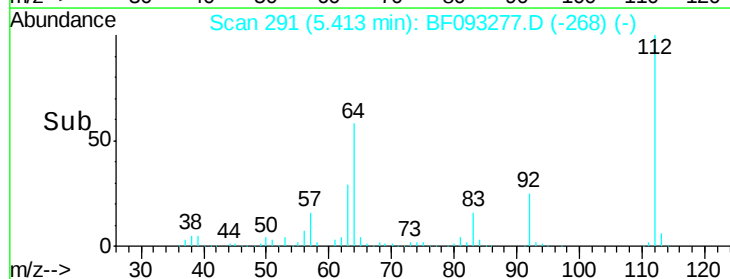
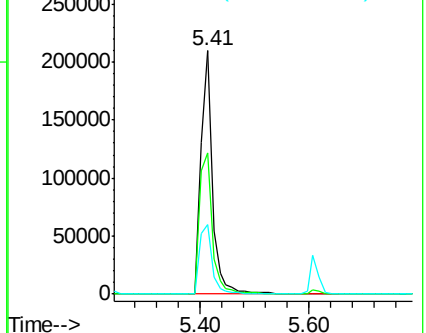
63 28.5 23.8 35.6

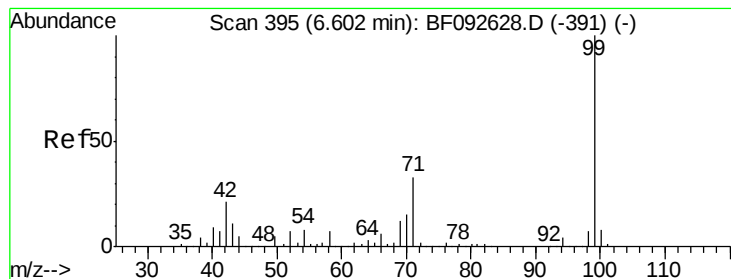


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.34 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

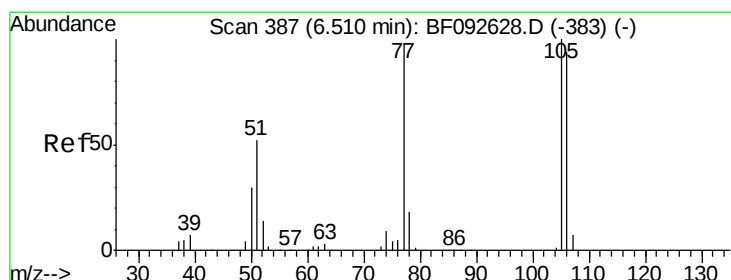
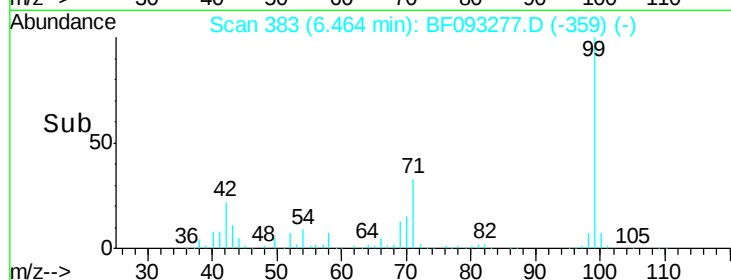
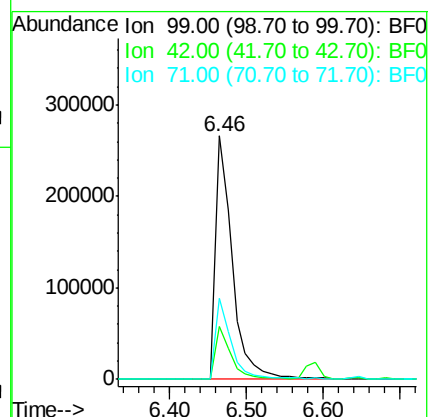
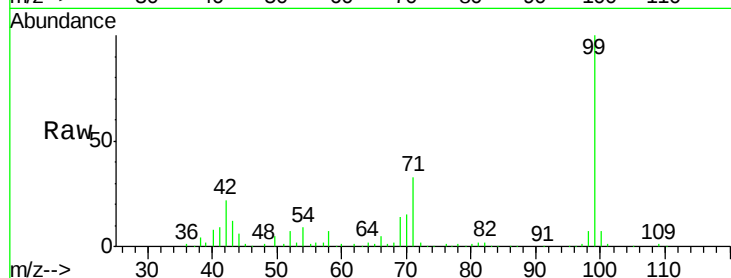
Tgt Ion: 99 Resp: 403794

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

71 33.4 27.5 41.3



#9

Benzaldehyde

Concen: 5.53 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.03 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

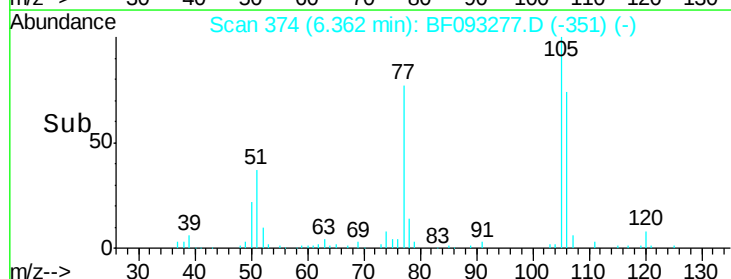
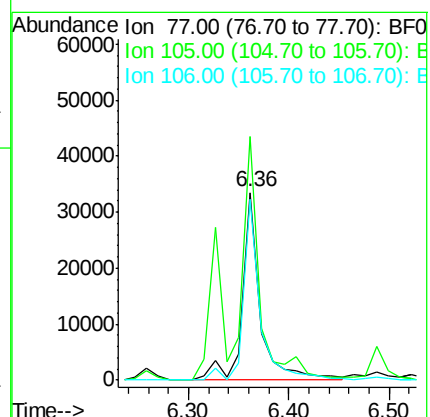
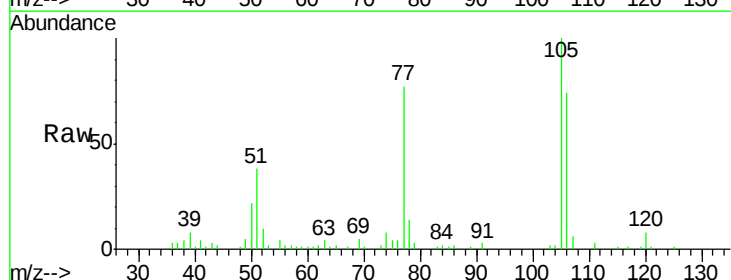
Tgt Ion: 77 Resp: 41738

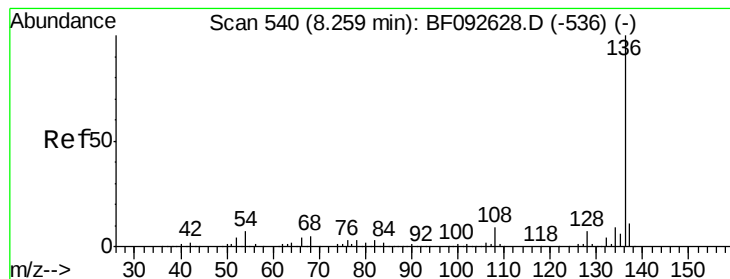
Ion Ratio Lower Upper

77 100

105 129.9 83.9 123.9#

106 96.3 77.6 117.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

Tgt Ion:136 Resp: 524660

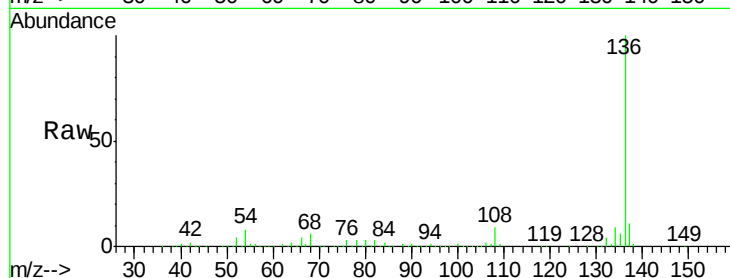
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.9 4.5 6.7#

68 6.0 3.6 5.4#

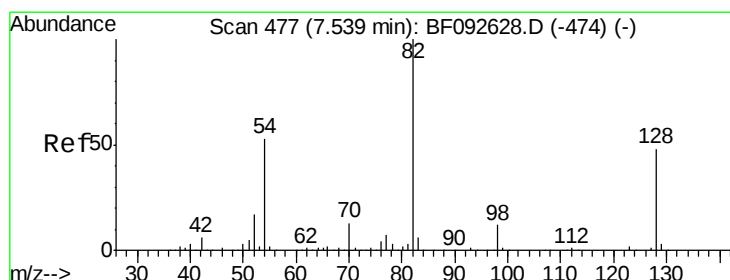
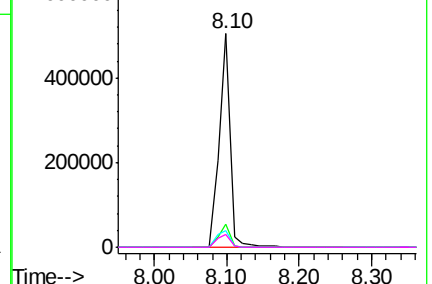
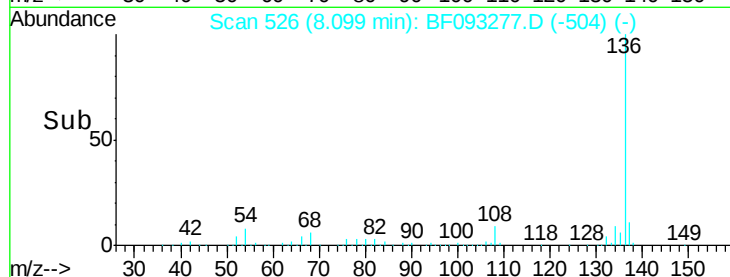


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.65 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

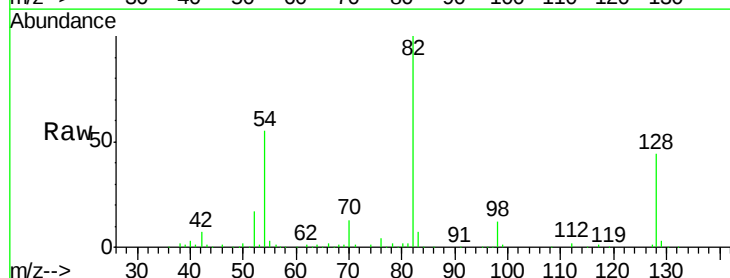
Tgt Ion: 82 Resp: 222851

Ion Ratio Lower Upper

82 100

128 44.3 34.6 52.0

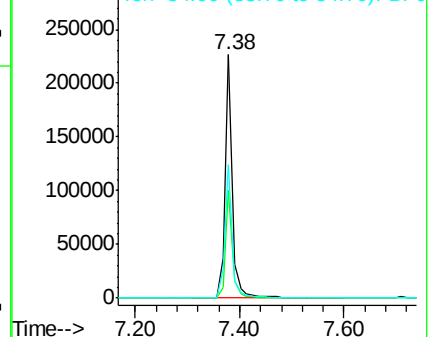
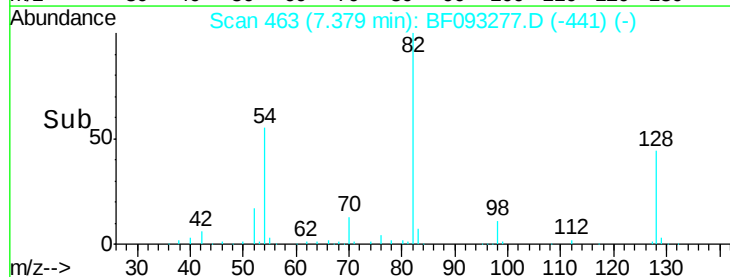
54 54.6 39.5 59.3

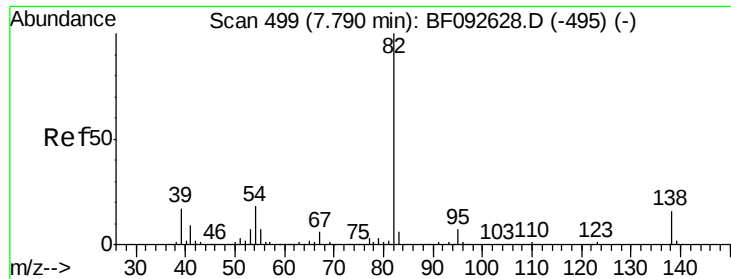


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 10.90 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

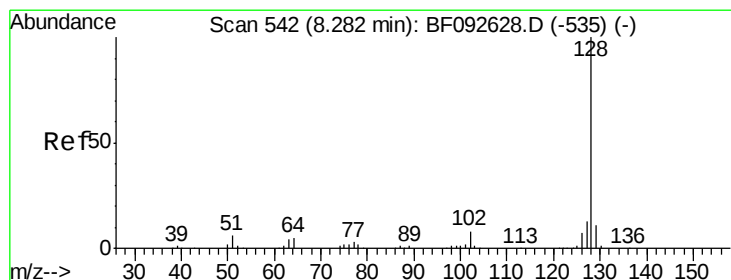
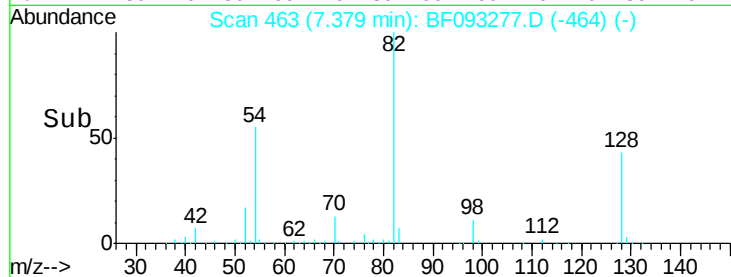
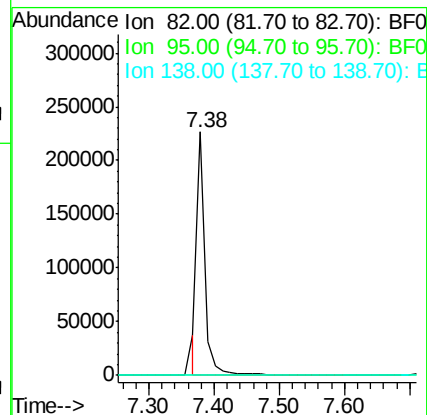
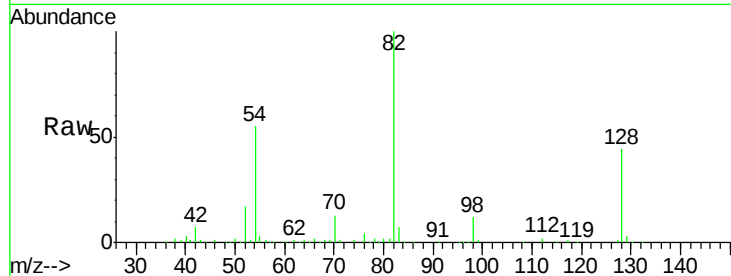
Tgt Ion: 82 Resp: 191370

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

138 0.0 14.6 22.0#



#31

Naphthalene

Concen: 2.83 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

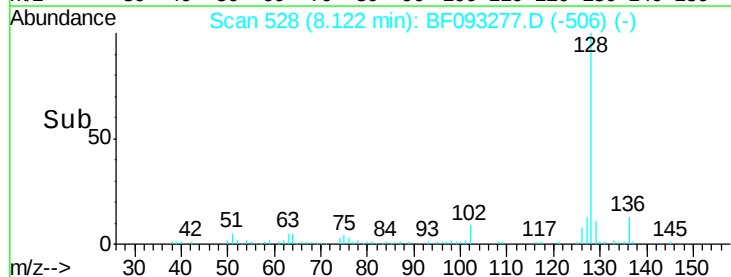
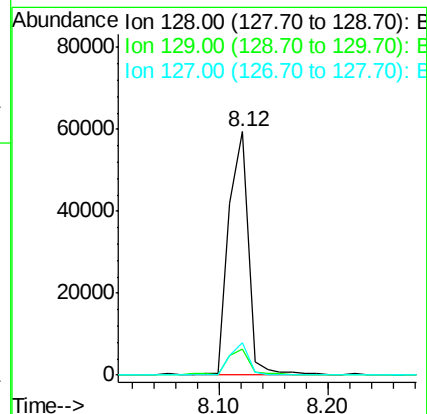
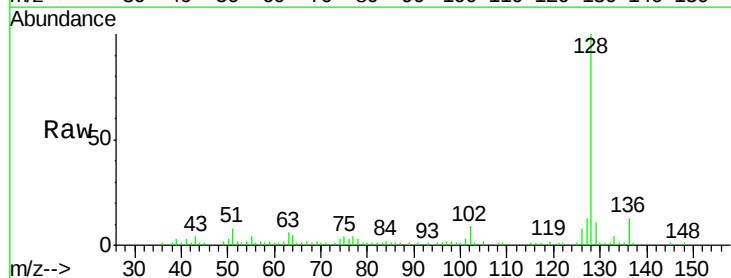
Tgt Ion: 128 Resp: 75230

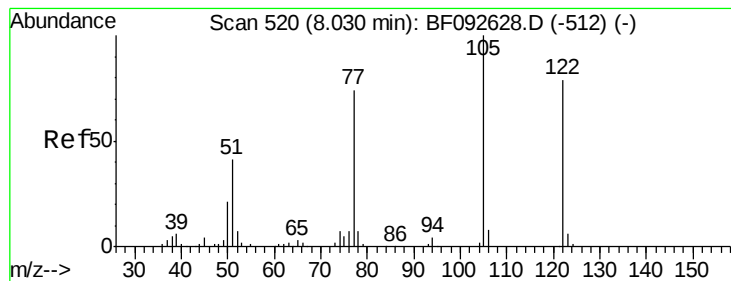
Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

127 13.1 10.8 16.2





#32

Benzoic acid

Concen: 8.13 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.06 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

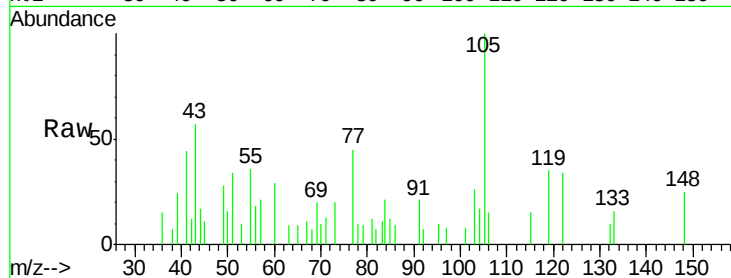
Tgt Ion:122 Resp: 5192

Ion Ratio Lower Upper

122 100

105 293.0 107.2 147.2#

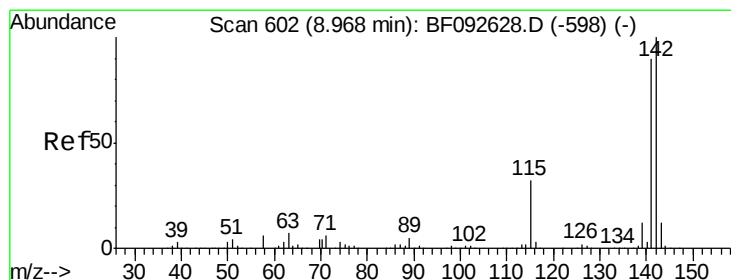
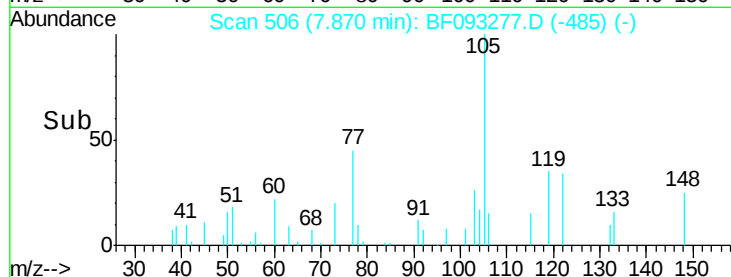
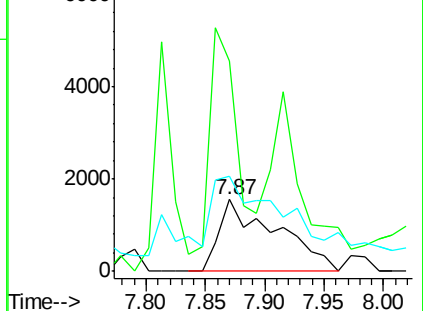
77 132.4 74.5 114.5#



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



#37

2-Methylnaphthalene

Concen: 5.82 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

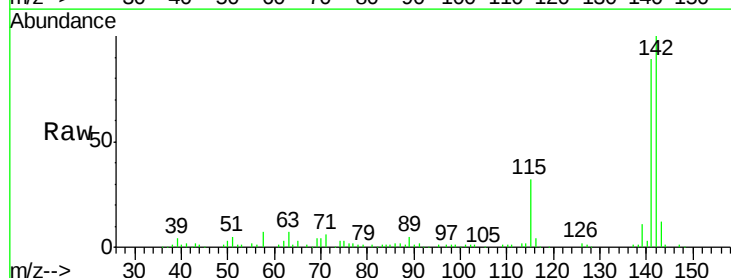
Tgt Ion:142 Resp: 99417

Ion Ratio Lower Upper

142 100

141 89.2 71.0 106.6

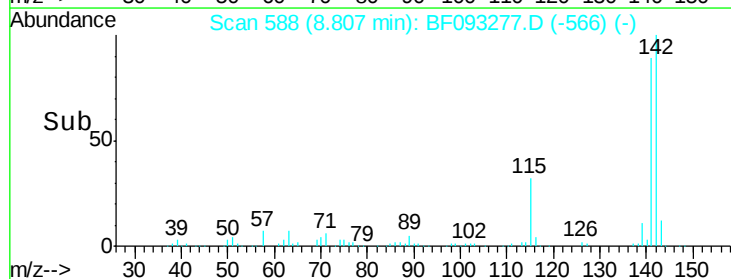
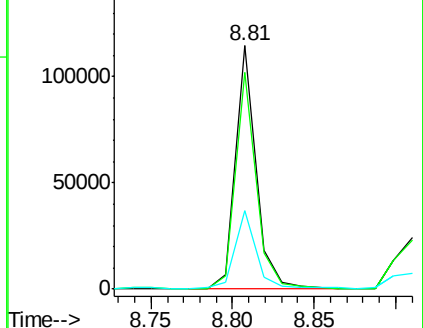
115 32.1 28.3 42.5

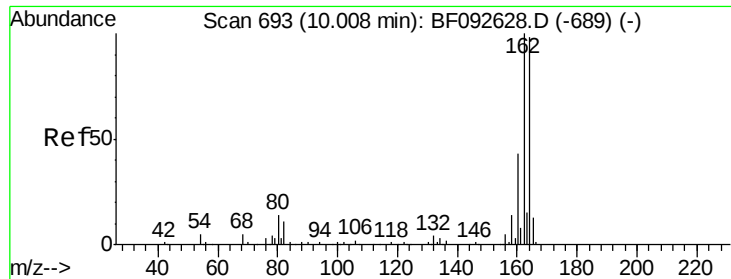


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

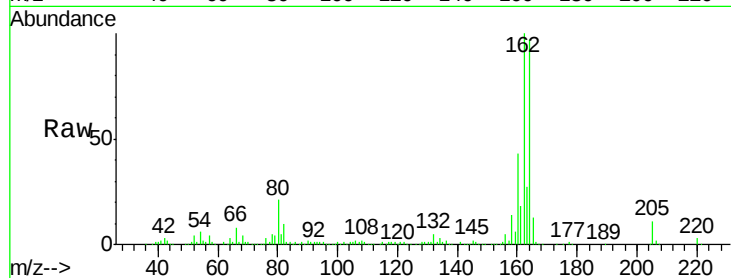




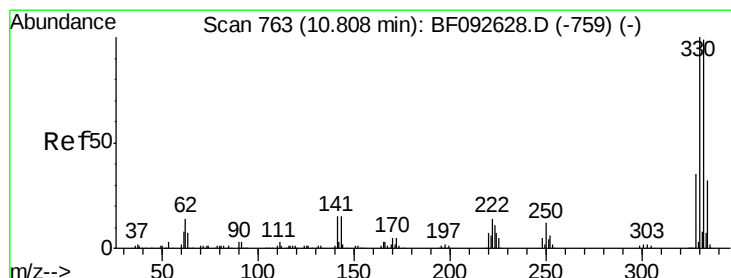
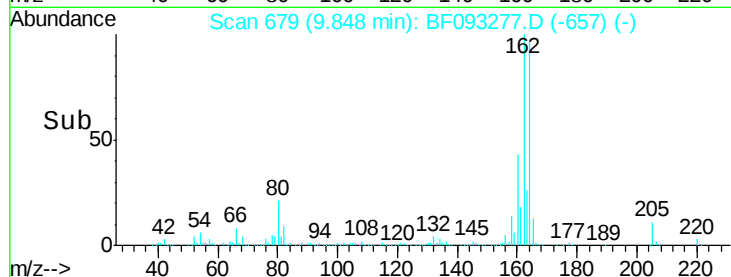
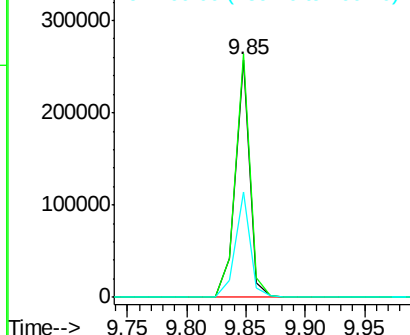
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Tgt Ion:164 Resp: 219285
 Ion Ratio Lower Upper
 164 100
 162 102.6 80.2 120.2
 160 44.5 36.9 55.3

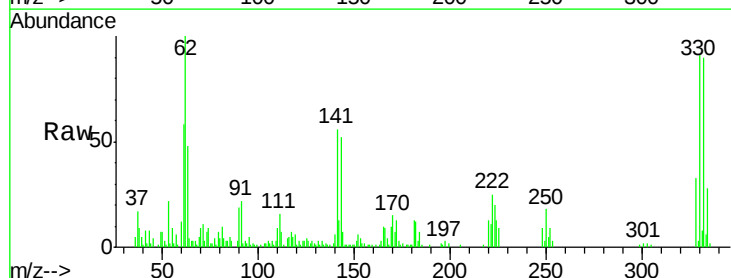


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

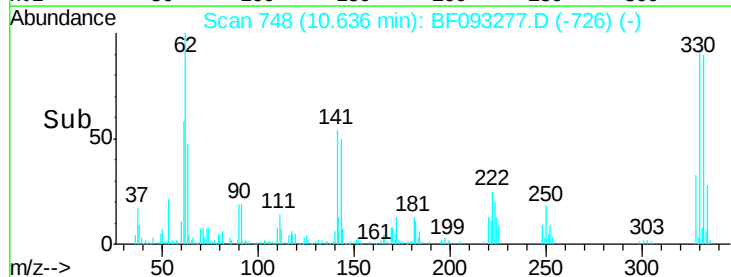
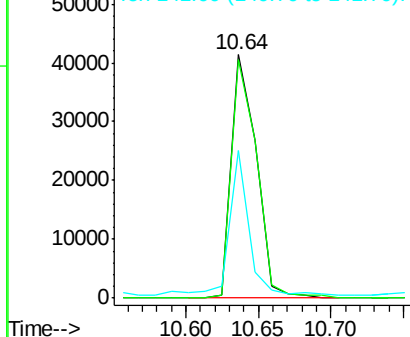


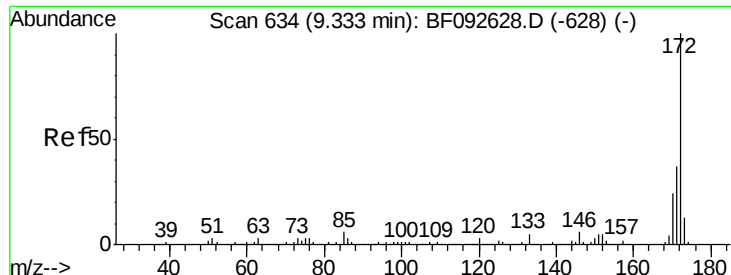
#41
 2,4,6-Tribromophenol
 Concen: 31.19 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Tgt Ion:330 Resp: 49461
 Ion Ratio Lower Upper
 330 100
 332 99.4 77.4 116.2
 141 46.6 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

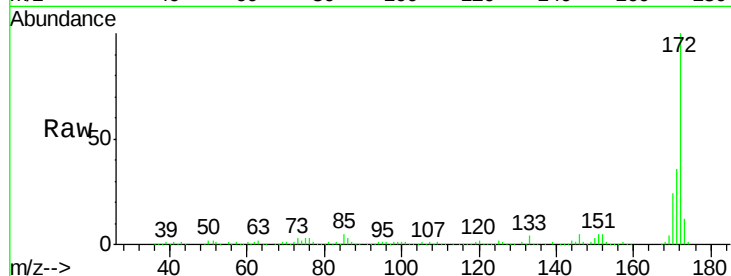




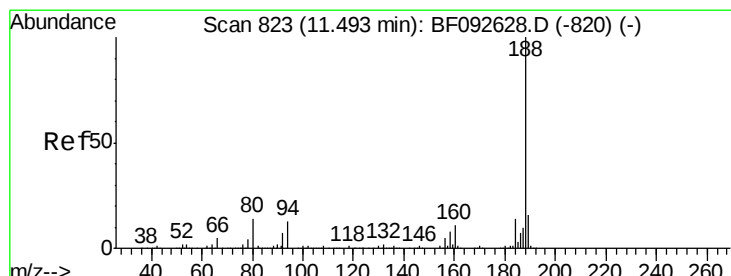
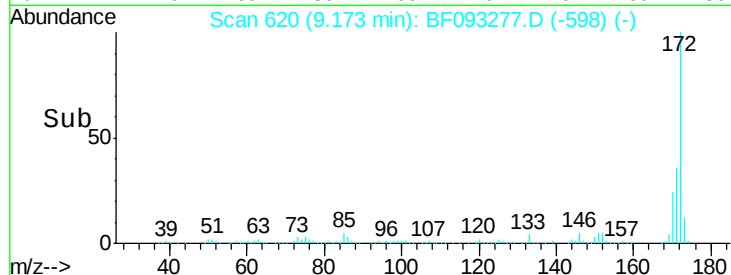
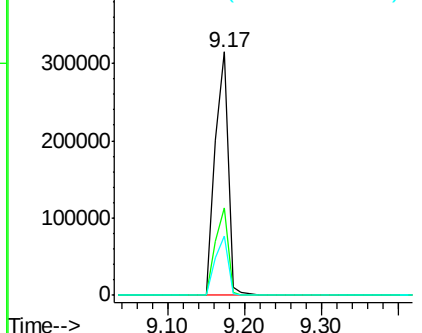
#44
 2-Fluorobiphenyl
 Concen: 30.41 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Tgt Ion:172 Resp: 368085
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.5 20.2 30.4

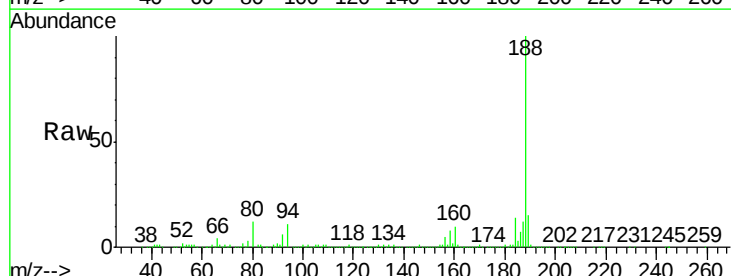


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

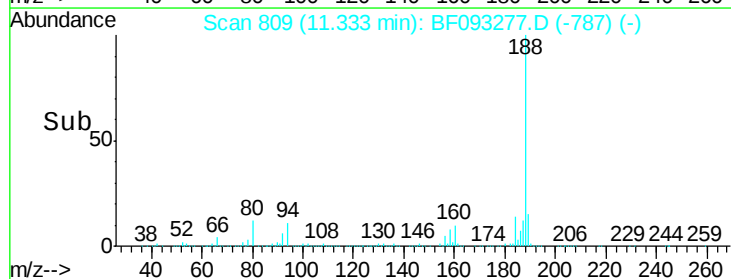
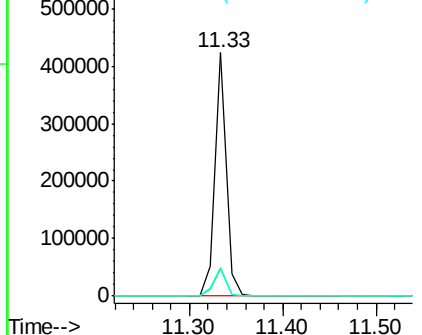


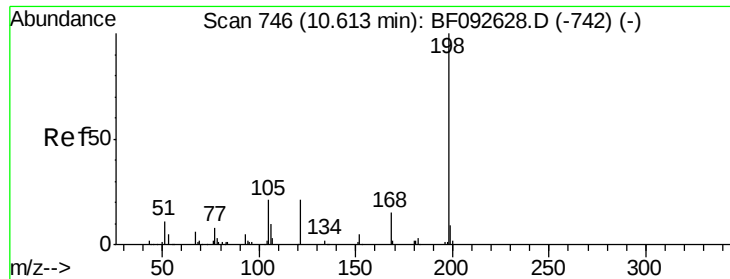
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Tgt Ion:188 Resp: 358186
 Ion Ratio Lower Upper
 188 100
 94 11.0 10.0 15.0
 80 11.7 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.97 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.16 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

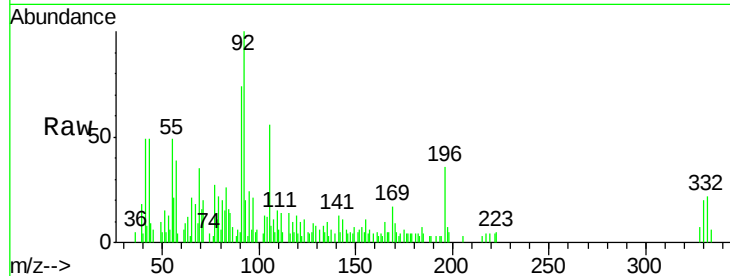
Tgt Ion:198 Resp: 686

Ion Ratio Lower Upper

198 100

51 285.0 6.7 46.7#

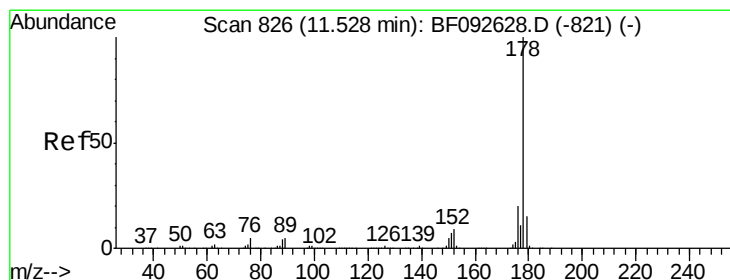
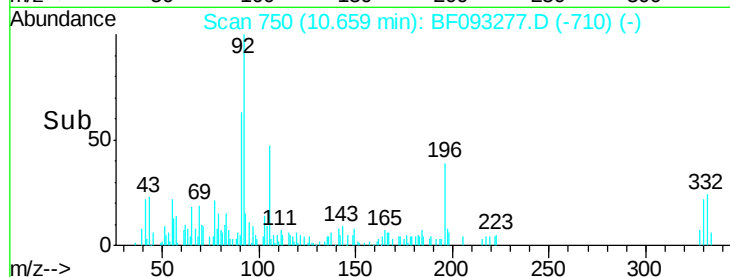
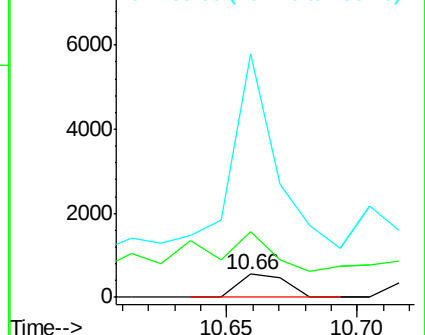
105 1059.2 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 8.21 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

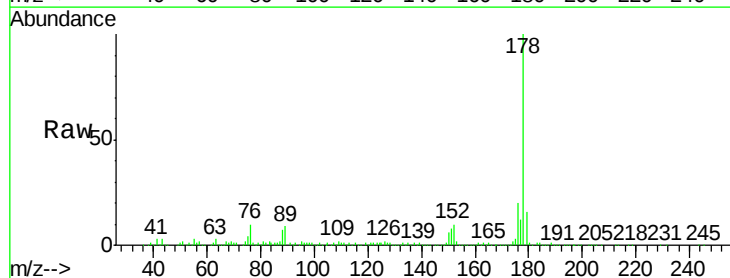
Tgt Ion:178 Resp: 168404

Ion Ratio Lower Upper

178 100

176 20.2 16.6 25.0

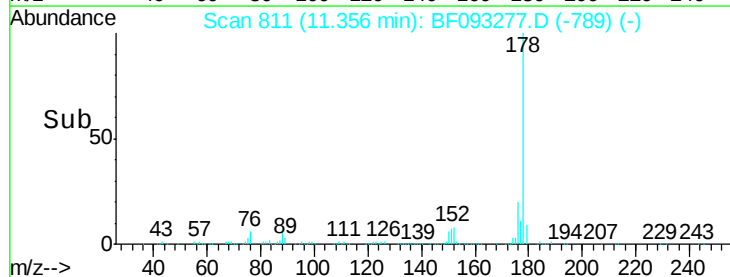
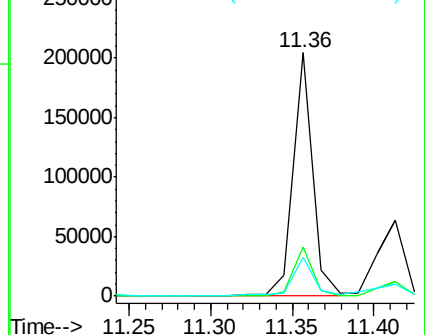
179 15.8 12.8 19.2

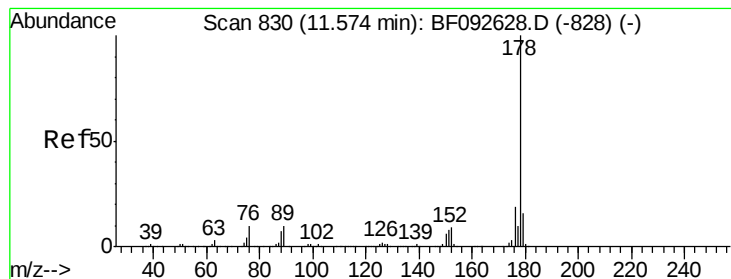


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.29 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

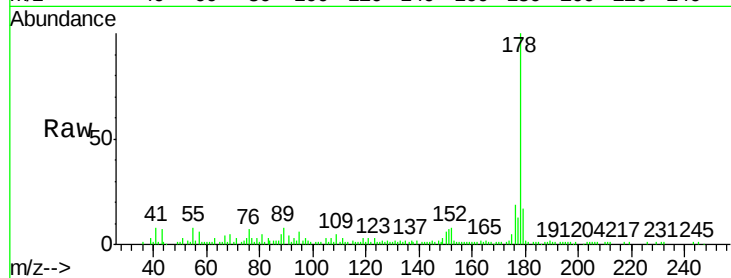
Tgt Ion:178 Resp: 67846

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

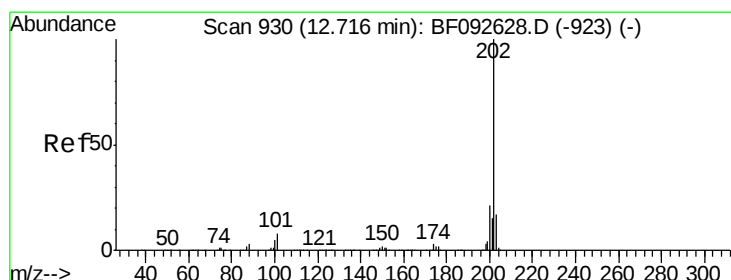
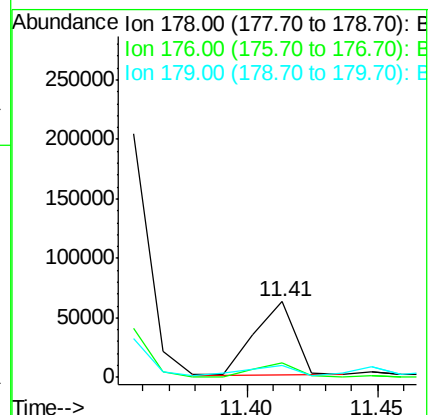
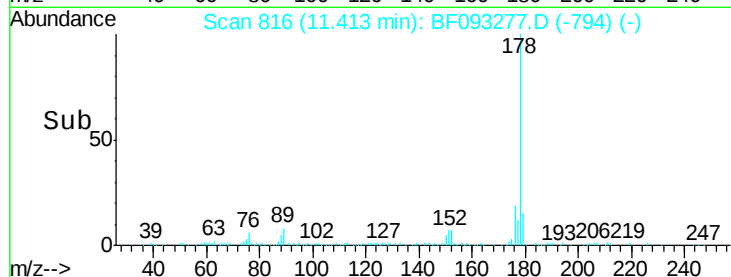
179 16.5 13.2 19.8



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



#74

Fluoranthene

Concen: 11.80 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

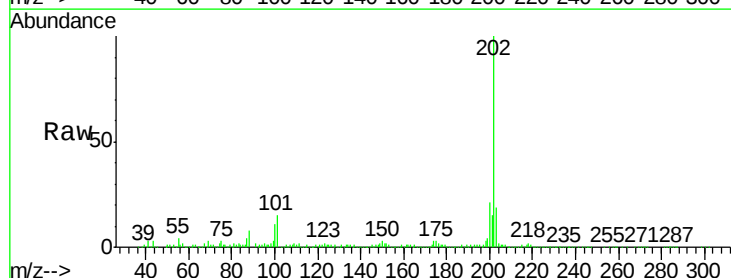
Tgt Ion:202 Resp: 249855

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.6

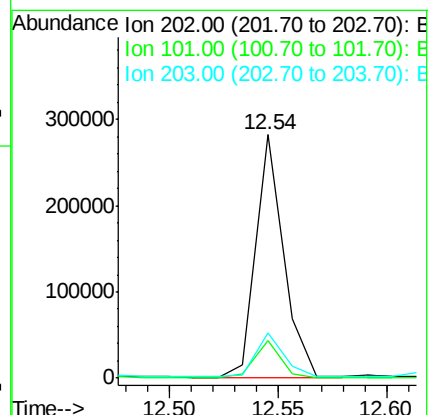
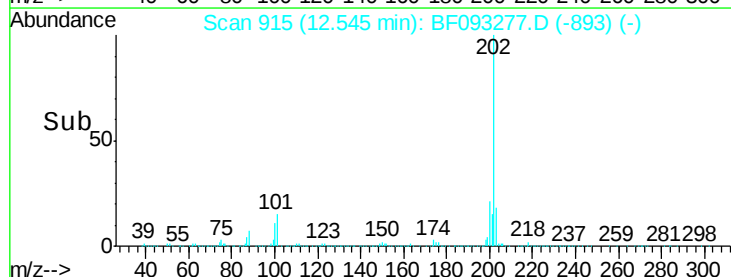
203 18.7 0.0 38.7

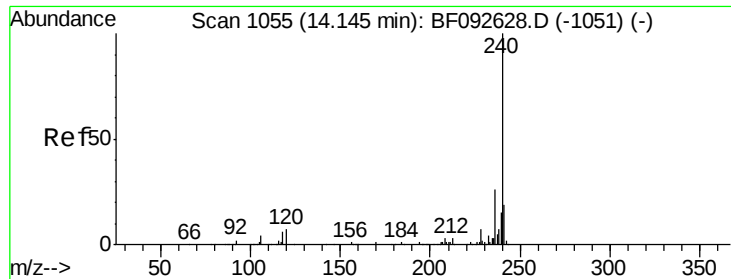


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

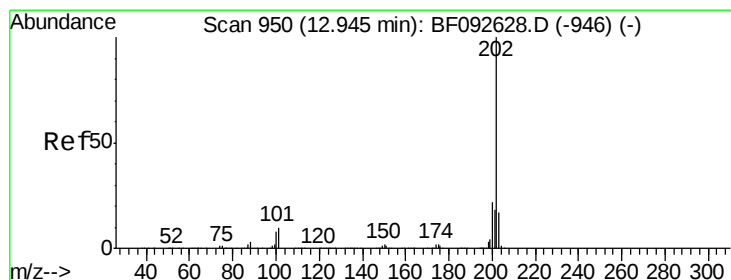
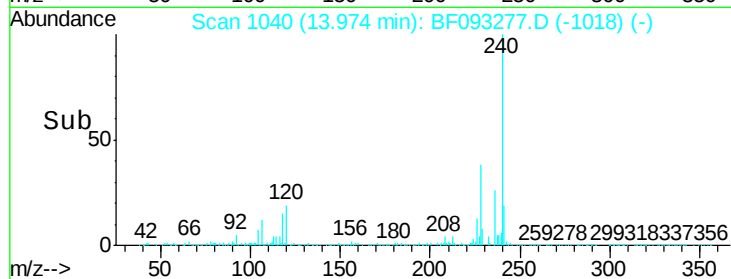
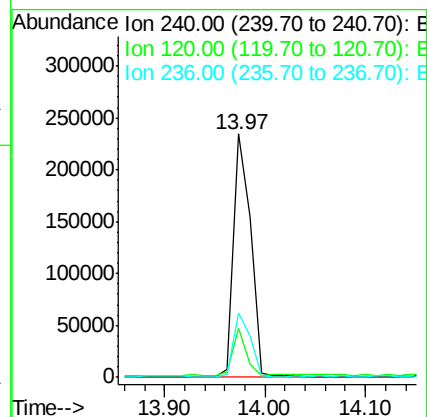
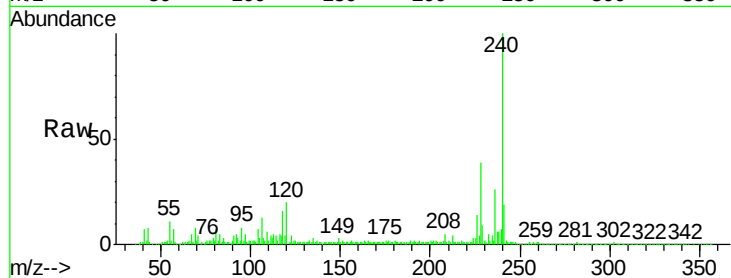




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

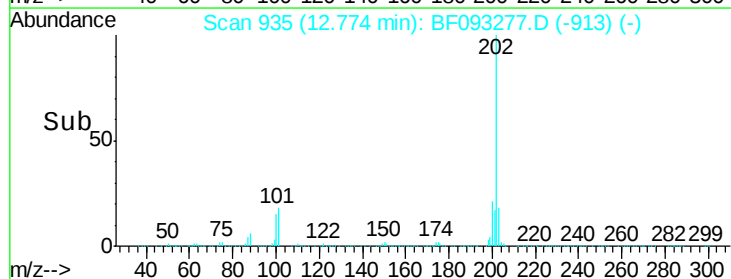
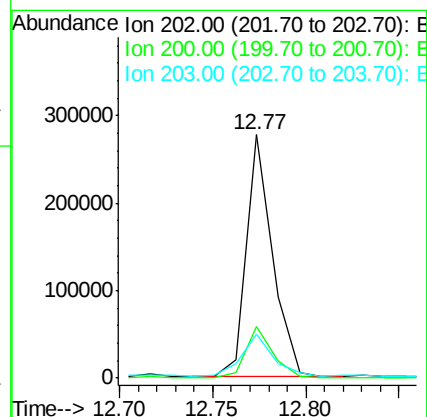
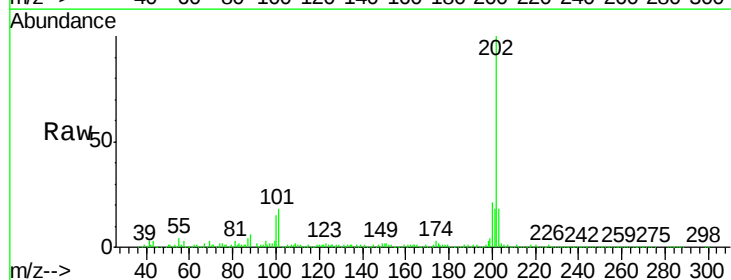
Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

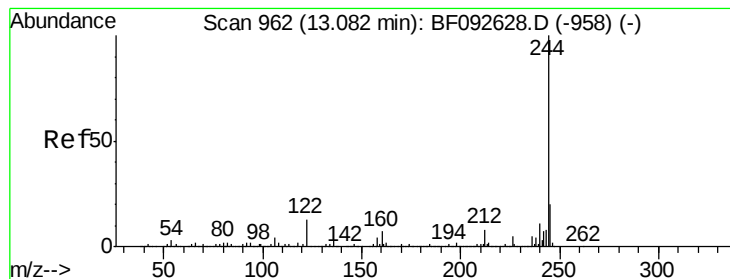
Tgt Ion:240 Resp: 277708
 Ion Ratio Lower Upper
 240 100
 120 20.1 12.9 19.3#
 236 26.2 20.9 31.3



#77
 Pyrene
 Concen: 13.10 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Tgt Ion:202 Resp: 272154
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.7 26.5
 203 18.0 14.7 22.1





#78

Terphenyl-d14

Concen: 22.66 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

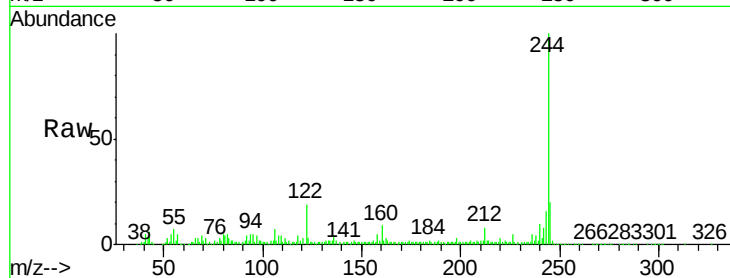
Tgt Ion:244 Resp: 267797

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

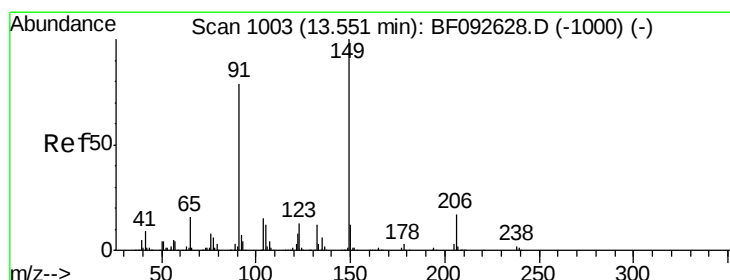
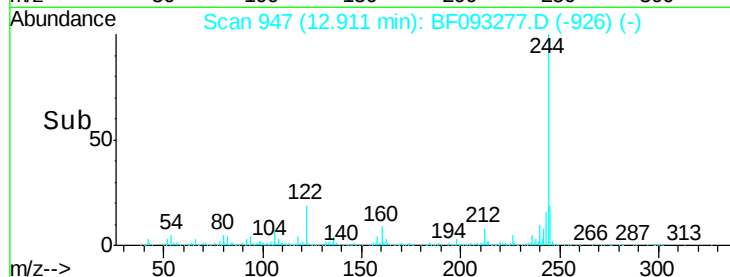
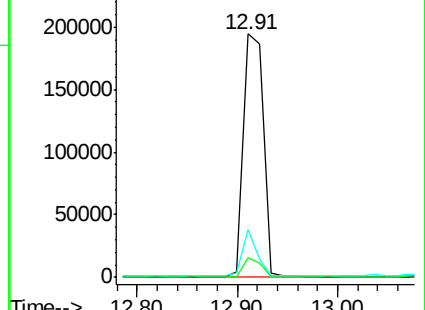
122 19.4 11.4 17.2#



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



#79

Butylbenzylphthalate

Concen: 2.42 ng

RT: 13.39 min Scan# 989

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

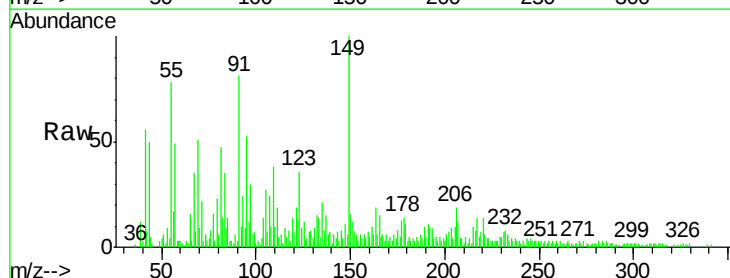
Tgt Ion:149 Resp: 20425

Ion Ratio Lower Upper

149 100

91 80.8 63.9 95.9

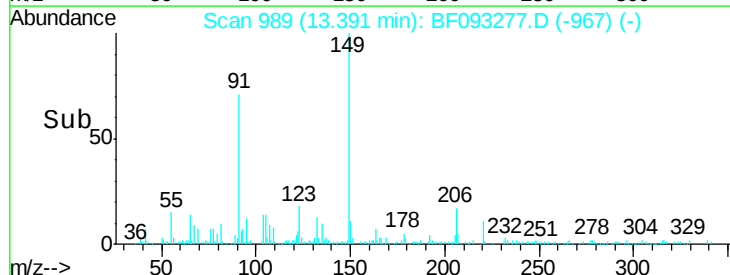
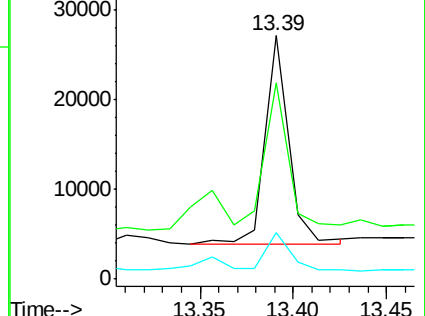
206 19.1 14.6 21.8

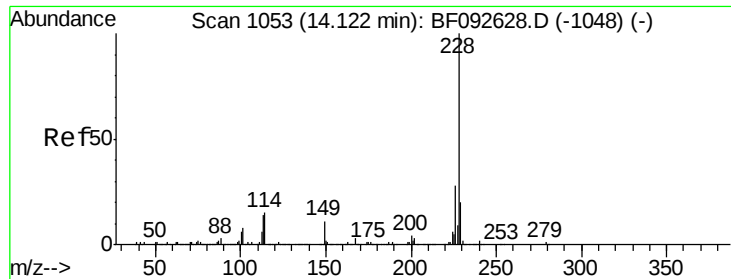


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 9.53 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

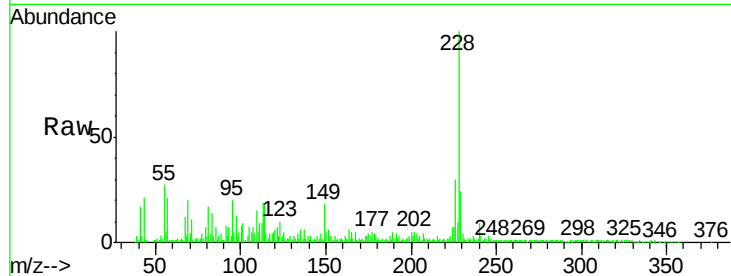
Tgt Ion:228 Resp: 161817

Ion Ratio Lower Upper

228 100

226 29.8 22.4 33.6

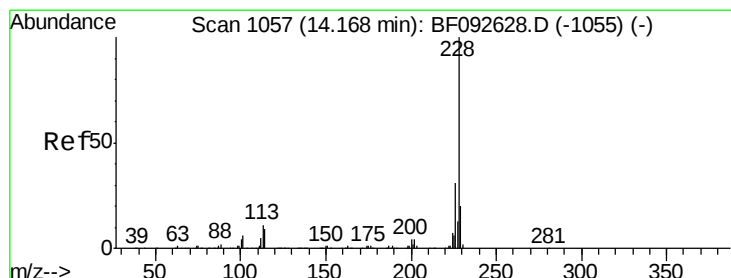
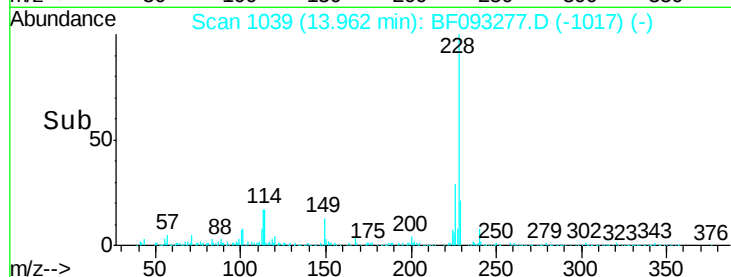
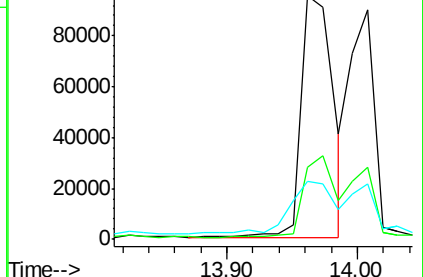
229 23.7 16.2 24.4



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: 10.18 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.08 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

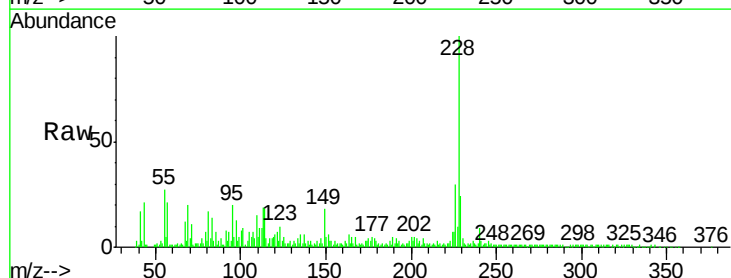
Tgt Ion:228 Resp: 161817

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

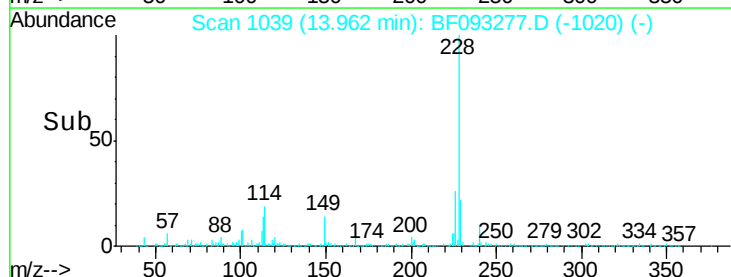
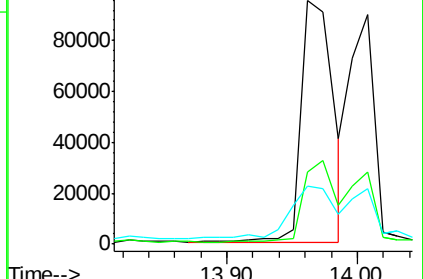
229 23.7 16.2 24.2

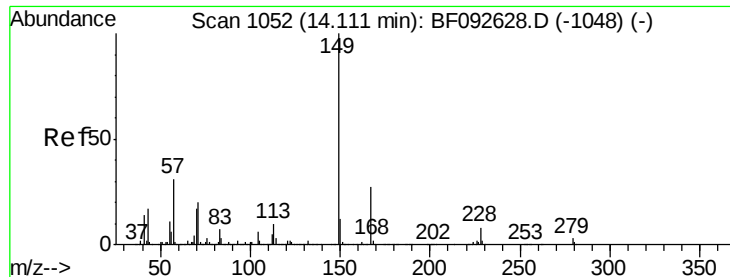


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

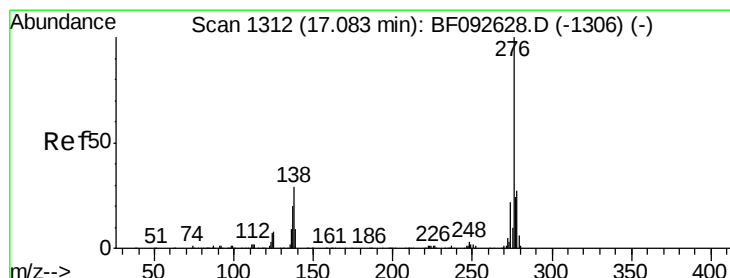
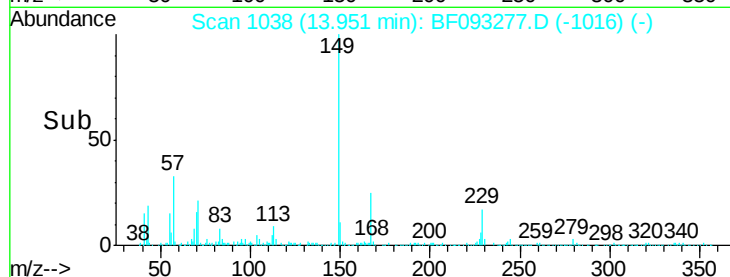
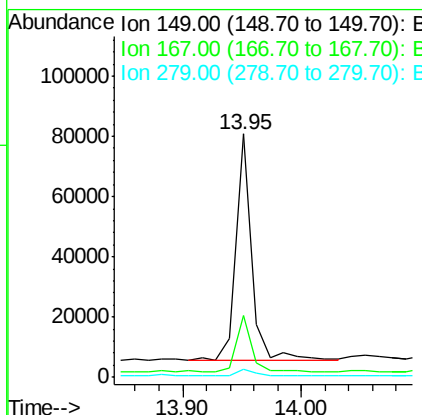
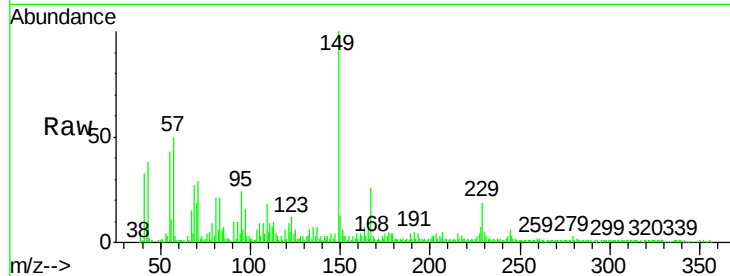




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.02 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

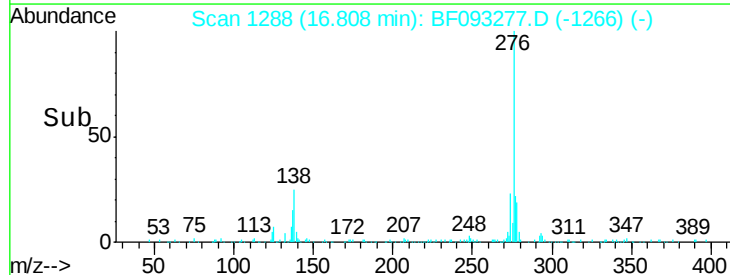
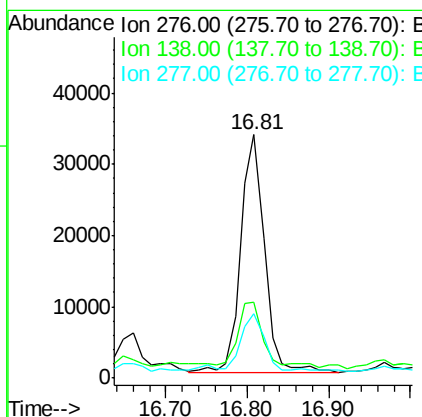
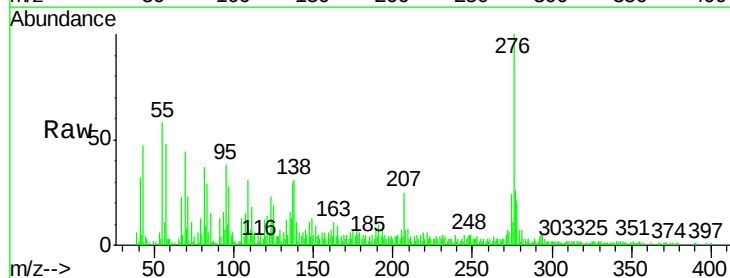
Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

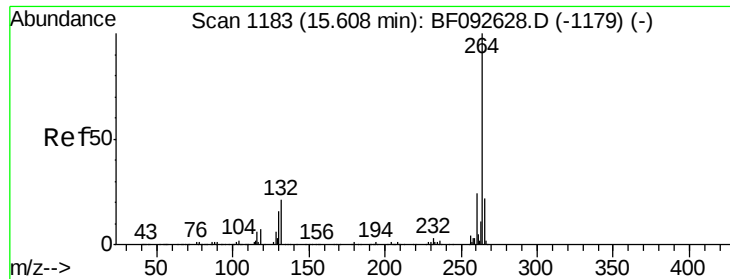
Tgt Ion:149 Resp: 69445
 Ion Ratio Lower Upper
 149 100
 167 25.5 20.2 30.4
 279 3.2 1.8 2.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.51 ng
 RT: 16.81 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Tgt Ion:276 Resp: 67824
 Ion Ratio Lower Upper
 276 100
 138 29.5 21.8 32.6
 277 23.4 20.2 30.4



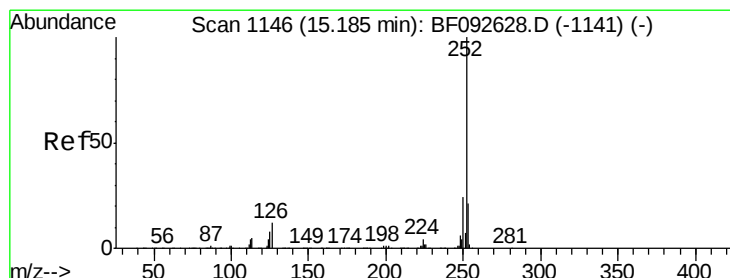
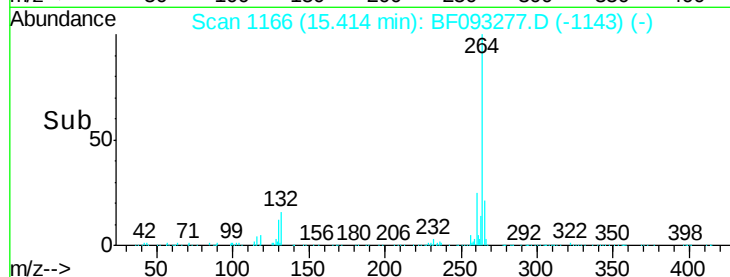
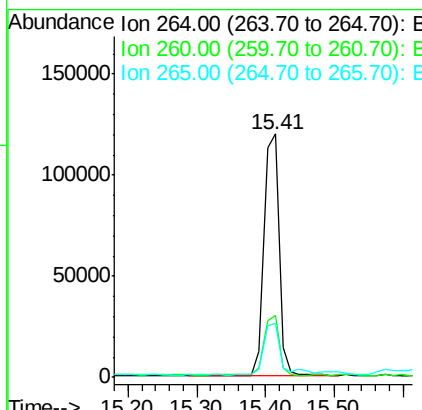
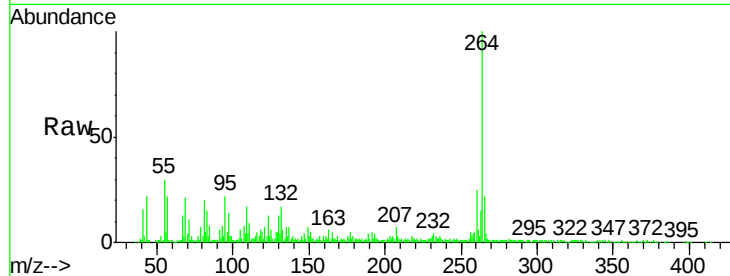


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion: 264 Resp: 183500

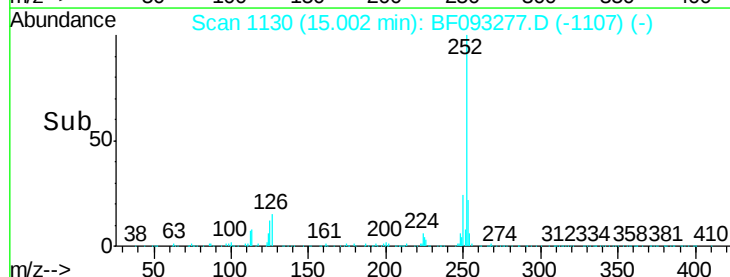
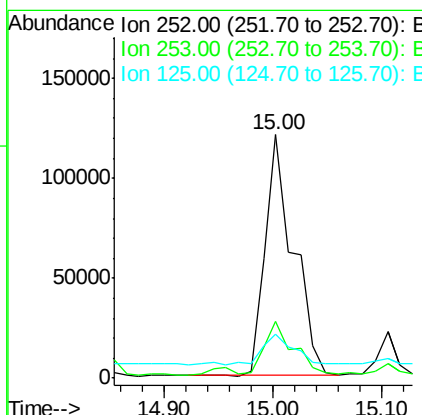
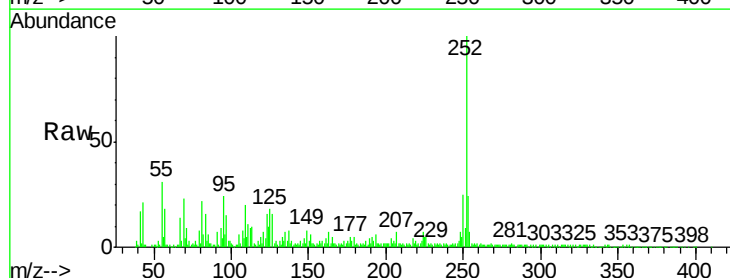
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.0	17.4	26.0

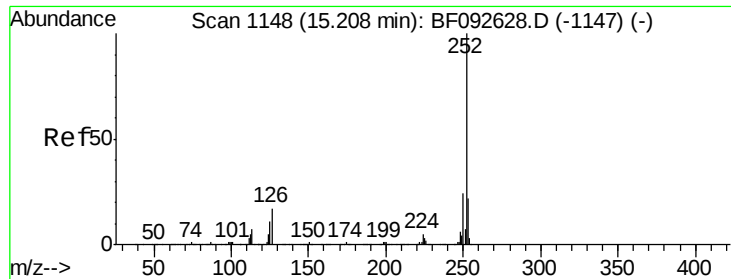


#87
Benzo(b)fluoranthene
Concen: 18.26 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion: 252 Resp: 220525

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	17.9	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 21.15 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

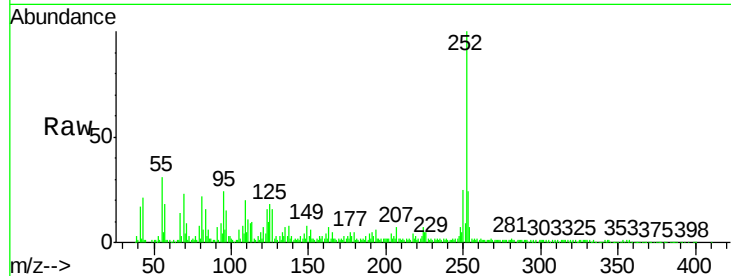
Tgt Ion:252 Resp: 220525

Ion Ratio Lower Upper

252 100

253 23.6 18.5 27.7

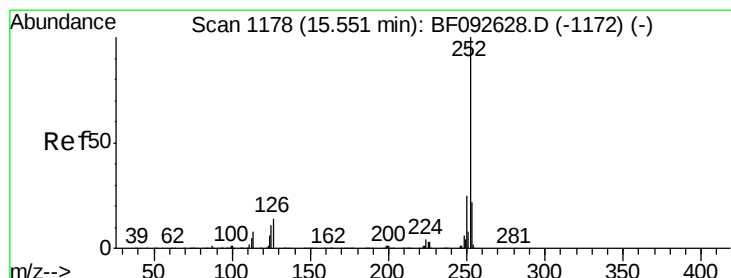
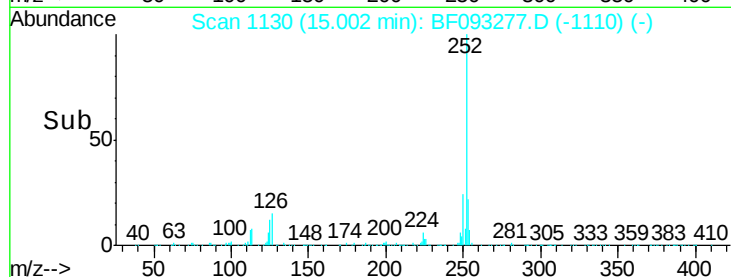
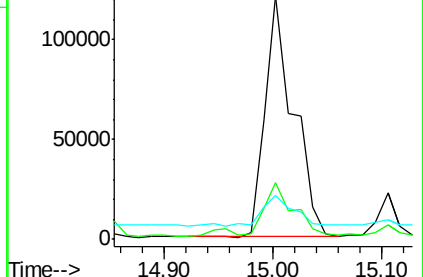
125 17.9 8.9 13.3#



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



#89

Benzo(a)pyrene

Concen: 8.89 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

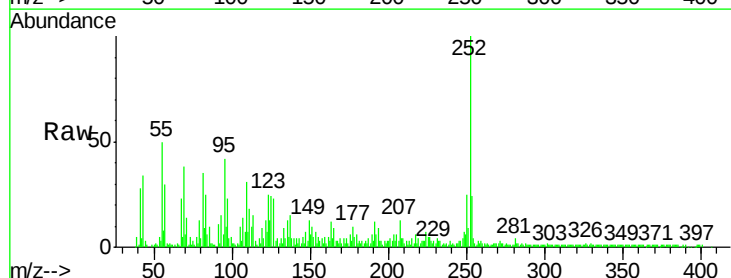
Tgt Ion:252 Resp: 92896

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

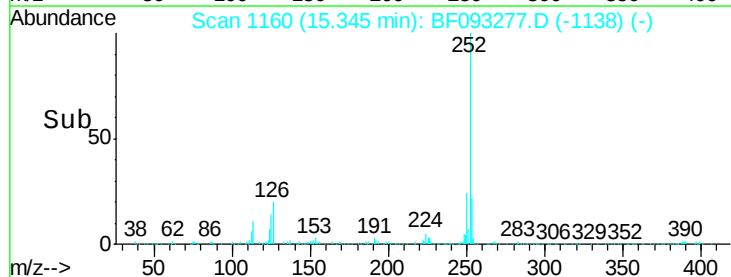
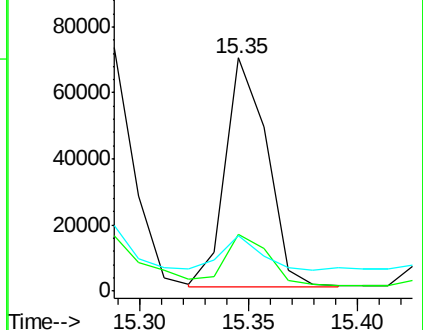
125 23.8 10.0 15.0#

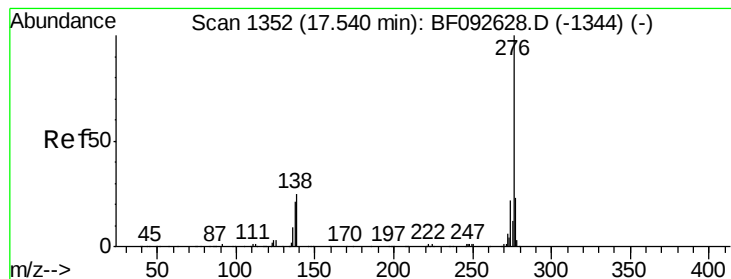


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 9.05 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

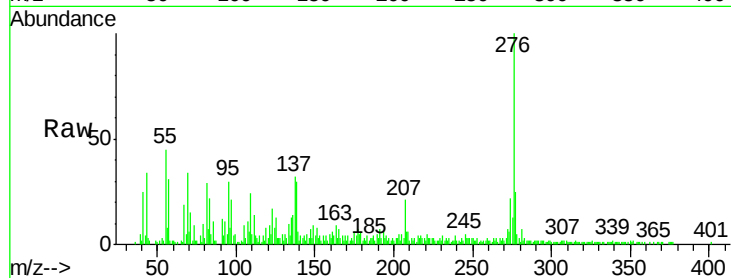
Tgt Ion: 276 Resp: 77167

Ion Ratio Lower Upper

276 100

277 25.4 19.2 28.8

138 30.3 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

