

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094114.D
 Acq On : 25 Sep 2017 22:22
 Operator : SJ/JU
 Sample : I5340-09RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 01:38:17 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1584	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7616	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4969	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18688	0.40	ng	0.00
27) Chrysene-d12	21.40	240	16016	0.40	ng	0.00
34) Perylene-d12	23.91	264	15015	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1180	0.20	ng	0.00
5) Phenol-d6	7.09	99	1843	0.22	ng	0.00
8) Nitrobenzene-d5	9.06	82	1453	0.20	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	1850	0.16	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	348	0.09	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	2271	0.14	ng	0.00
25) Fluoranthene-d10	19.27	212	21154	0.12	ng	0.00
29) Terphenyl-d14	19.85	244	3164	0.11	ng	0.00

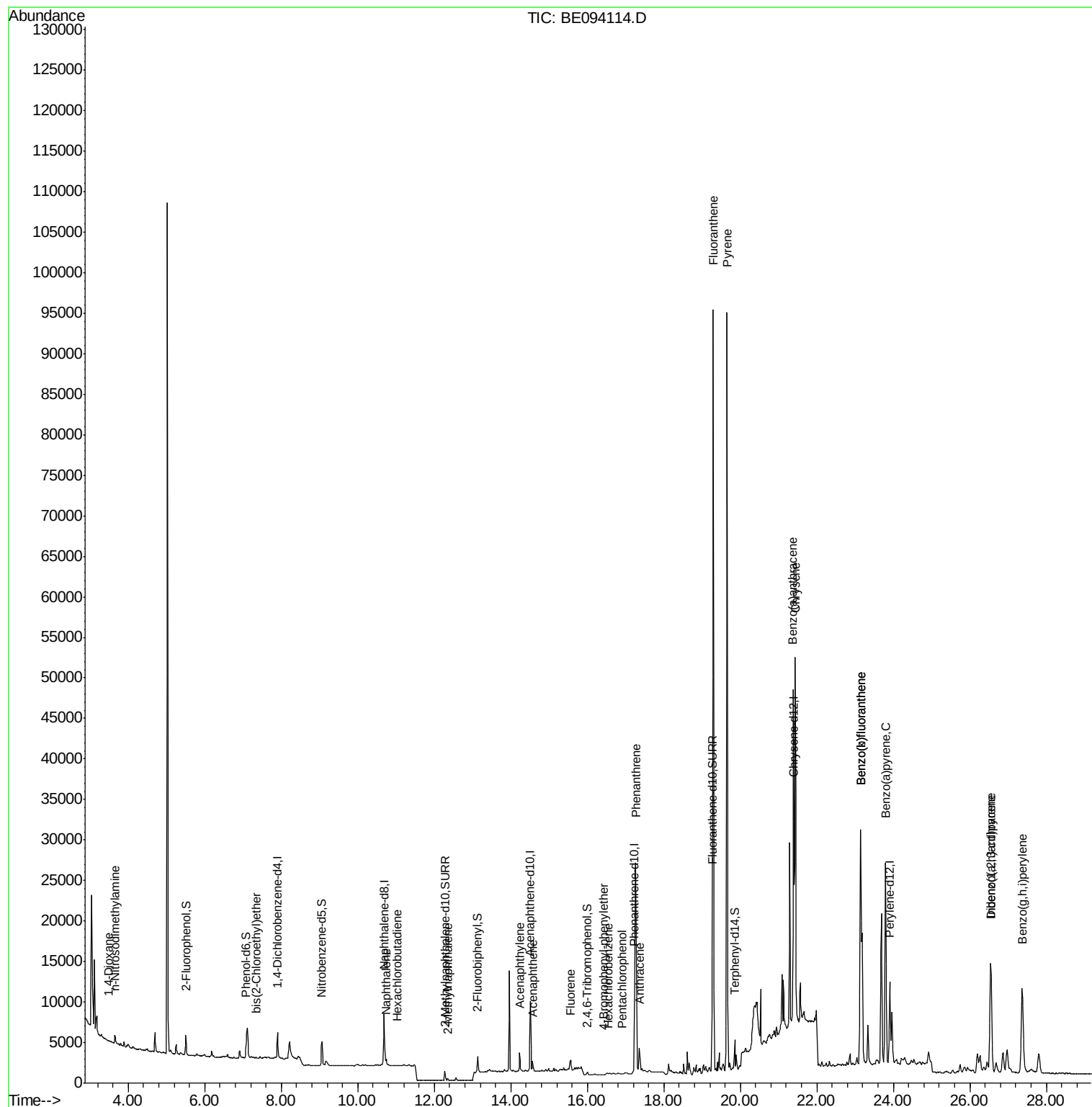
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.47	88	56	0.018	ng	# 16
3) n-Nitrosodimethylamine	3.65	42	513	0.130	ng	# 1
6) bis(2-Chloroethyl)ether	7.34	93	162	0.025	ng	# 1
9) Naphthalene	10.74	128	1056	0.012	ng	# 82
10) Hexachlorobutadiene	11.03	225	12	0.004	ng	91
12) 2-Methylnaphthalene	12.35	142	156	0.011	ng	# 70
16) Acenaphthylene	14.23	152	3280	0.132	ng	98
17) Acenaphthene	14.57	154	669	0.043	ng	96
18) Fluorene	15.56	166	1185	0.056	ng	89
20) 4-Bromophenyl-phenylether	16.42	248	12	0.002	ng	# 14
21) Hexachlorobenzene	16.55	284	4	0.001	ng	# 1
22) Pentachlorophenol	16.91	266	18	0.004	ng	95
23) Phenanthrene	17.27	178	38833	0.812	ng	98
24) Anthracene	17.37	178	5296	0.106	ng	# 94
26) Fluoranthene	19.29	202	87327	1.630	ng	99
28) Pyrene	19.65	202	85336	1.682	ng	# 96
30) Benzo(a)anthracene	21.38	228	39806	0.738	ng	98
31) Chrysene	21.44	228	46588	0.895	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	25816	Below Cal		100
33) Indeno(1,2,3-cd)pyrene	26.54	276	25505	0.458	ng	96
35) Benzo(b)fluoranthene	23.14	252	56691	1.046	ng	97
36) Benzo(k)fluoranthene	23.14	252	56691	1.093	ng	98
37) Benzo(a)pyrene	23.79	252	39137	0.799	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	6314	0.136	ng	# 76
39) Benzo(g,h,i)perylene	27.37	276	25610	0.558	ng	100

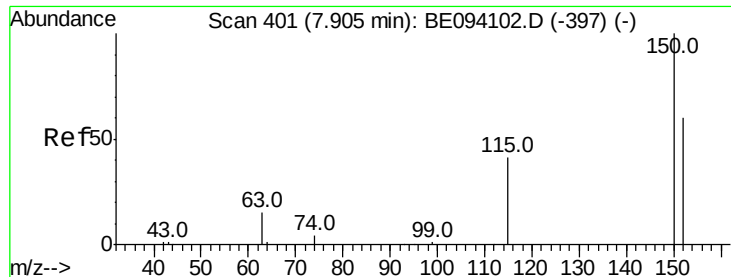
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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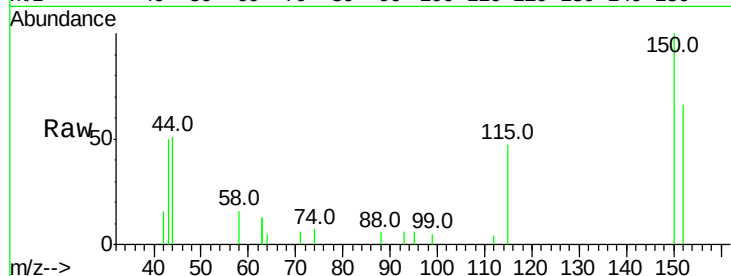


#1

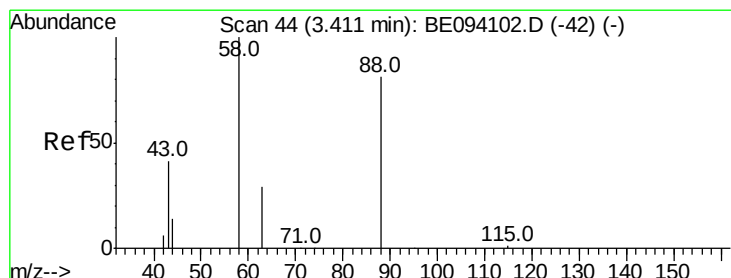
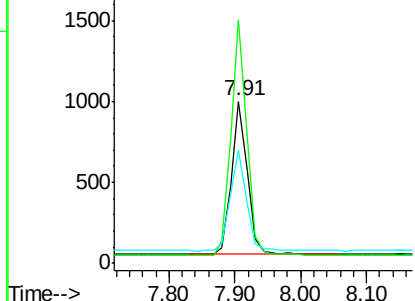
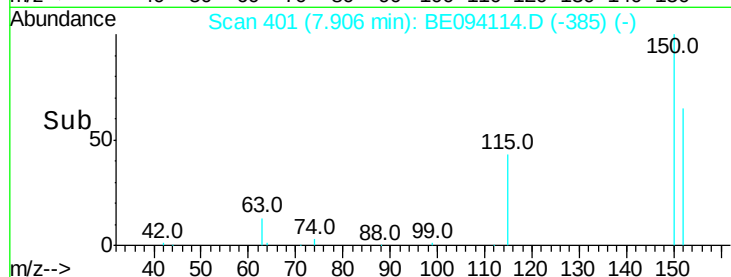
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1584
Ion Ratio Lower Upper
152 100
150 150.6 117.2 175.8
115 70.2 57.0 85.6



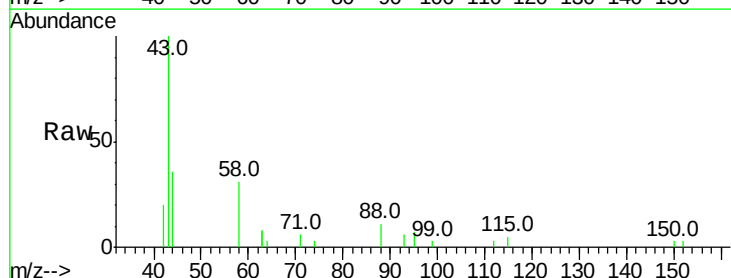
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



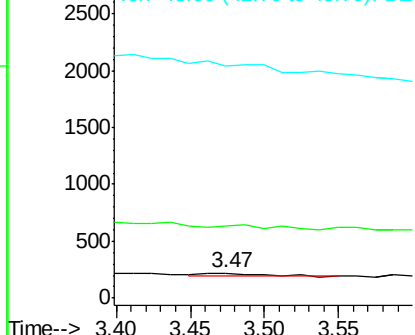
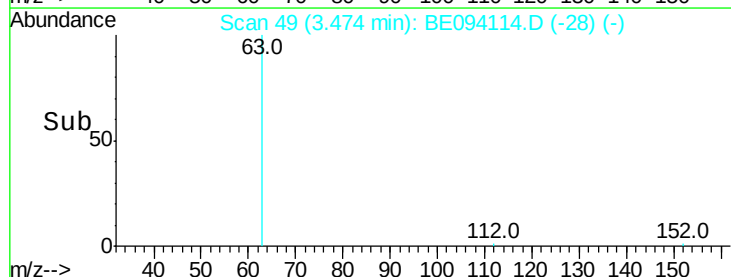
#2

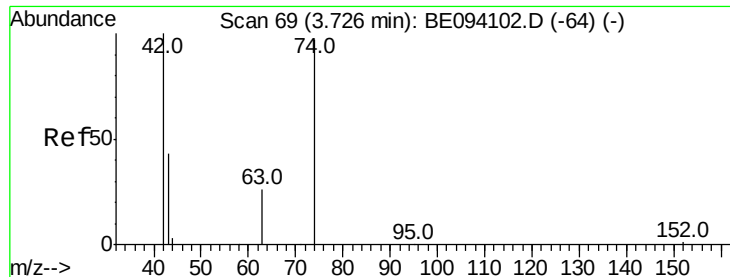
1,4-Dioxane
Concen: 0.018 ng
RT: 3.47 min Scan# 49
Delta R.T. 0.06 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 0.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.130 ng

RT: 3.65 min Scan# 63

Delta R.T. -0.08 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

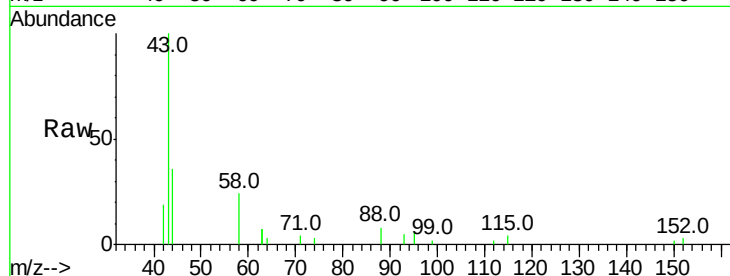
Tot Ion: 42 Resp: 513

Ion Ratio Lower Upper

42 100

74 2.5 100.3 150.5#

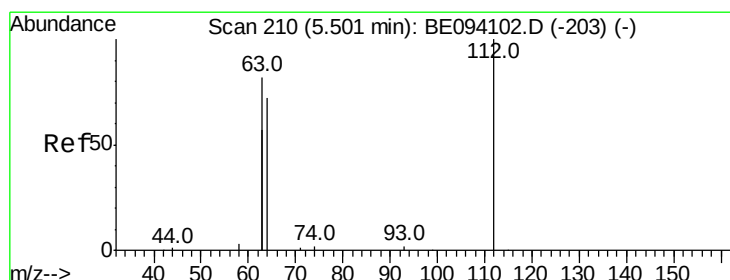
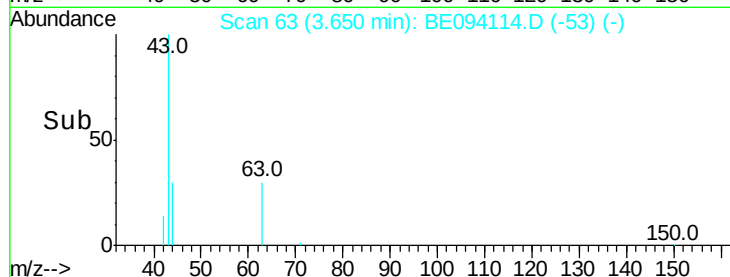
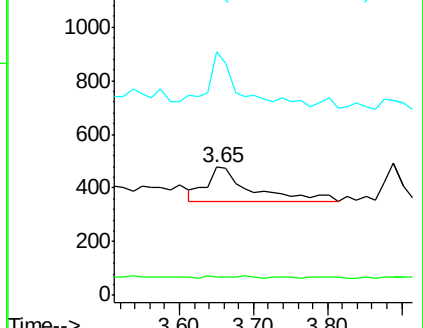
44 82.5 17.0 25.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.197 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

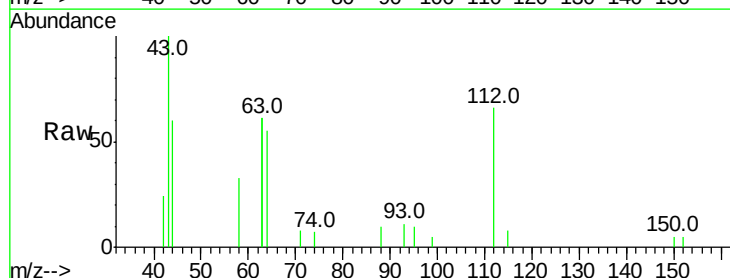
Tgt Ion: 112 Resp: 1180

Ion Ratio Lower Upper

112 100

64 75.8 60.1 90.1

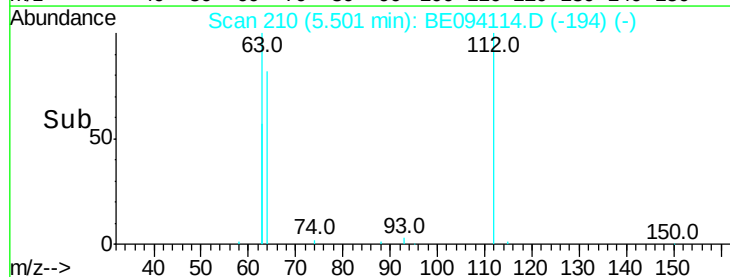
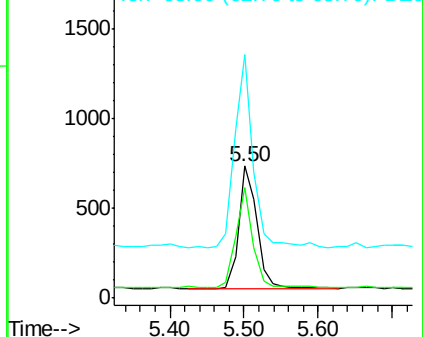
63 159.0 116.8 175.2

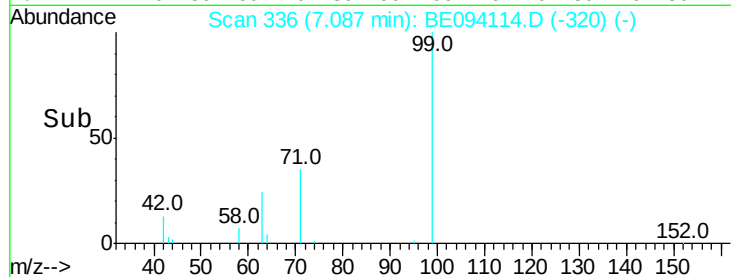
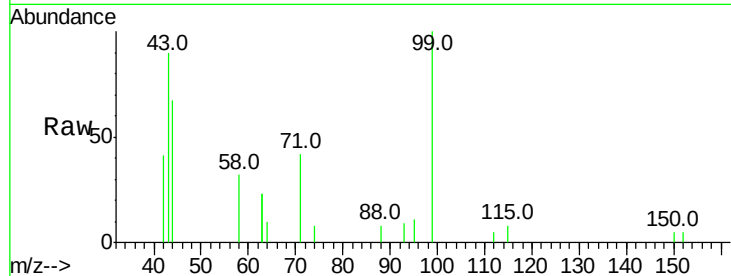
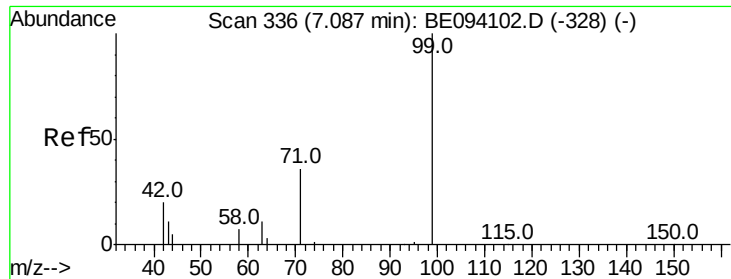


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.221 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampled :

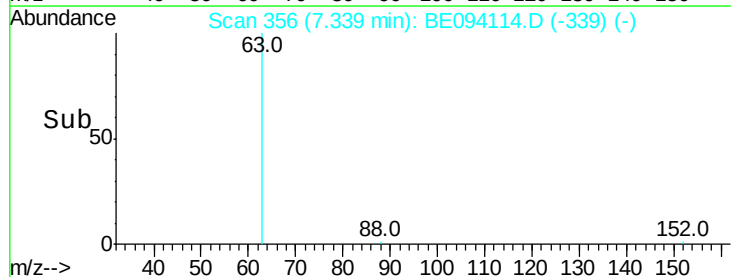
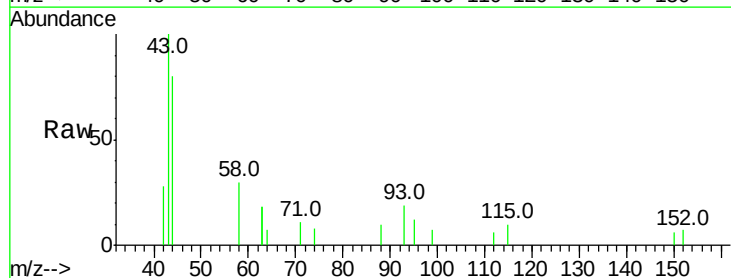
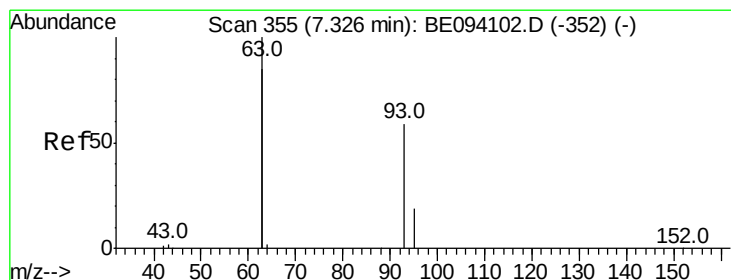
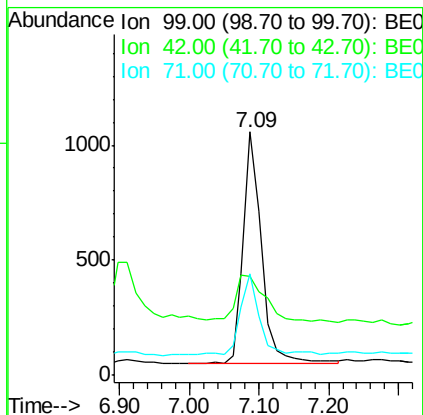
Tot Ion: 99 Resp: 1843

Ion Ratio Lower Upper

99 100

42 34.3 20.2 30.2#

71 37.2 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.025 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

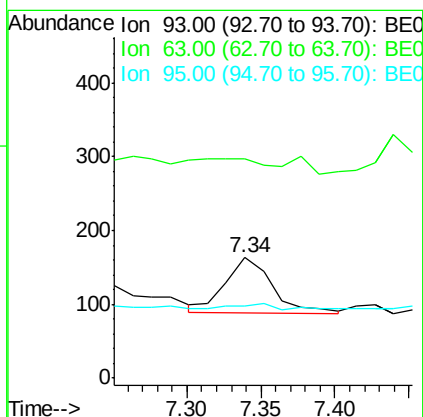
Tgt Ion: 93 Resp: 162

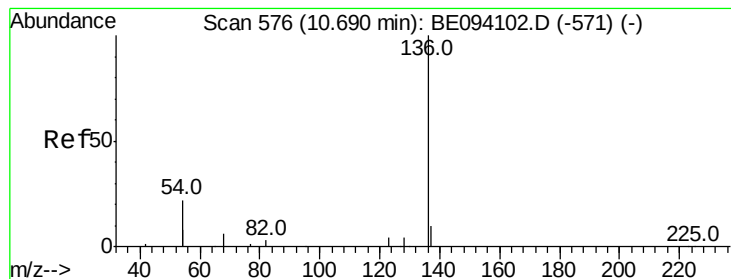
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 6.2 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7616

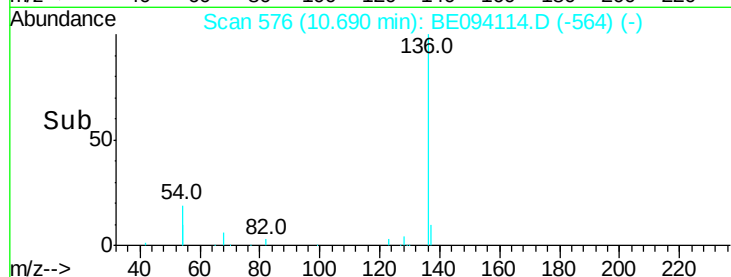
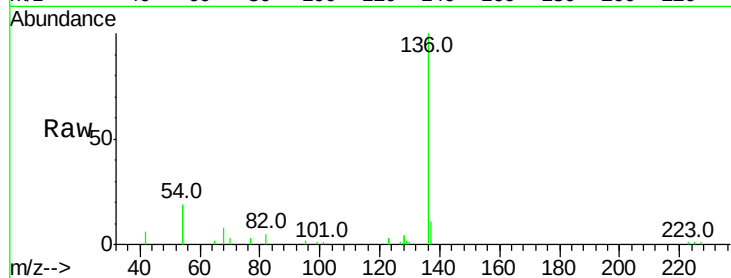
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 37.2 29.1 43.7

68 7.9 6.2 9.2

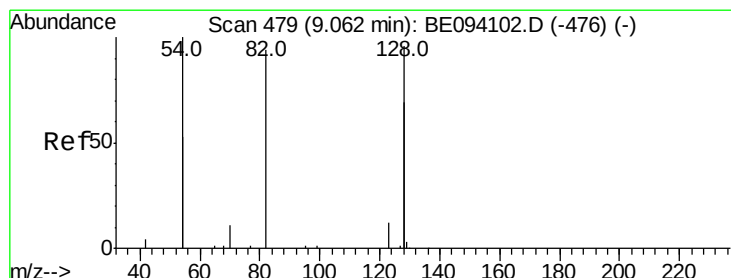
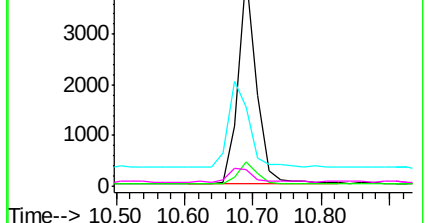


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.197 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

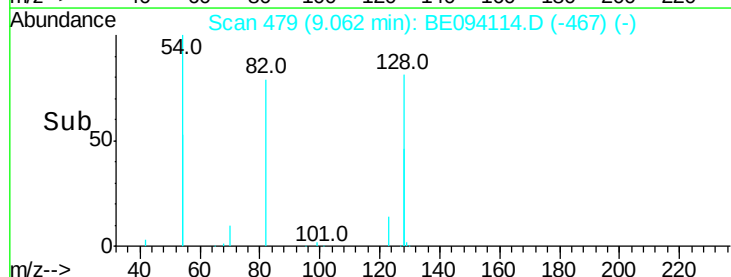
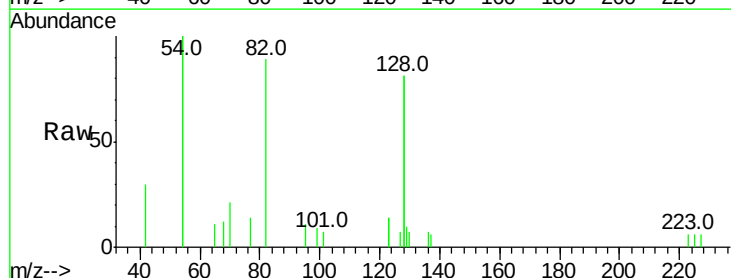
Tgt Ion: 82 Resp: 1453

Ion Ratio Lower Upper

82 100

128 180.5 150.0 225.0

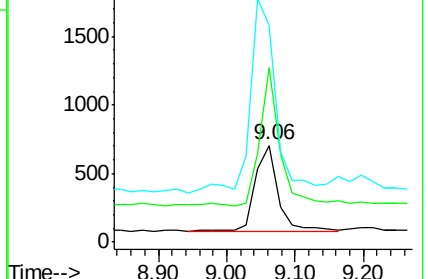
54 224.1 154.2 231.4

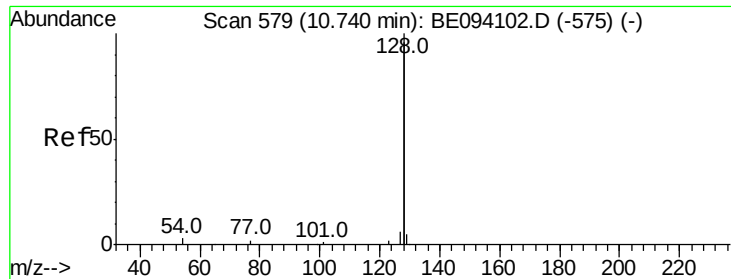


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.012 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

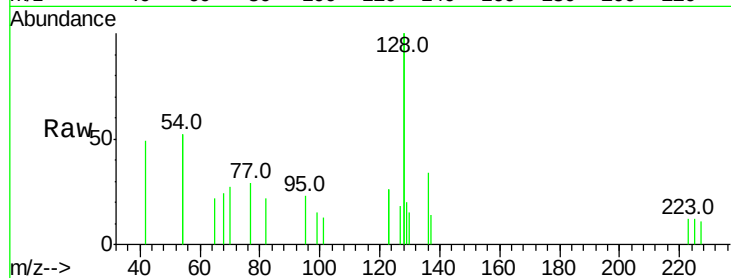
Tot Ion:128 Resp: 1056

Ion Ratio Lower Upper

128 100

129 9.9 2.6 3.8#

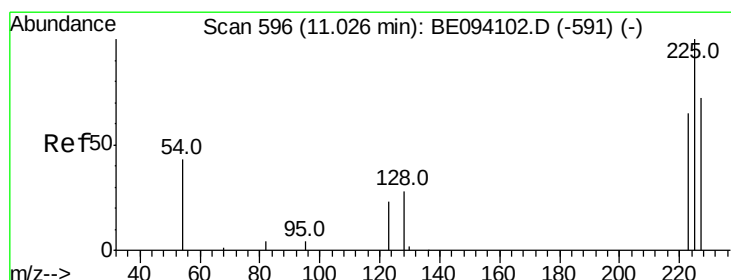
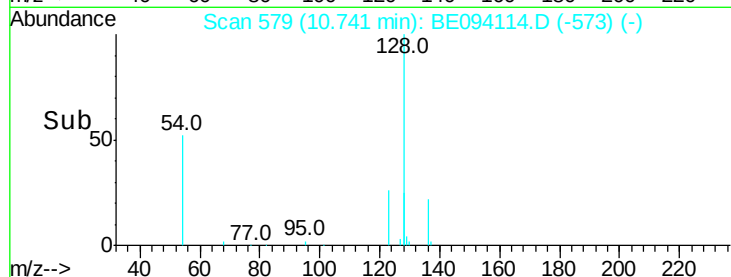
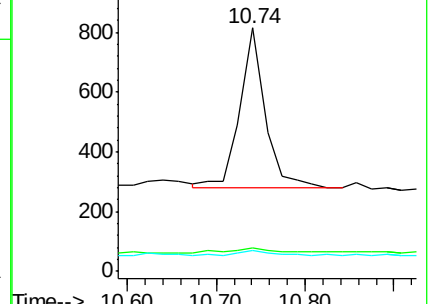
127 8.8 2.8 4.2#



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



#10

Hexachlorobutadiene

Concen: 0.004 ng

RT: 11.03 min Scan# 596

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

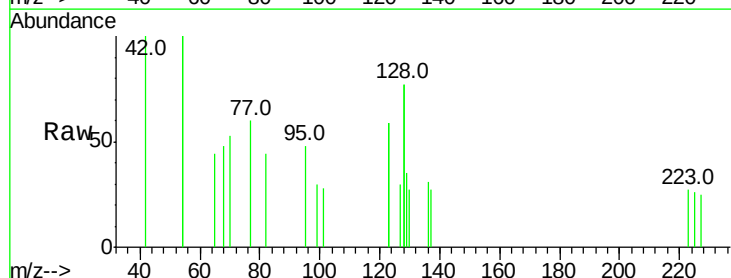
Tgt Ion:225 Resp: 12

Ion Ratio Lower Upper

225 100

223 75.0 53.0 79.6

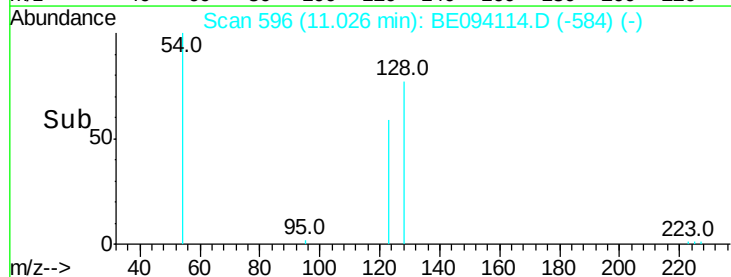
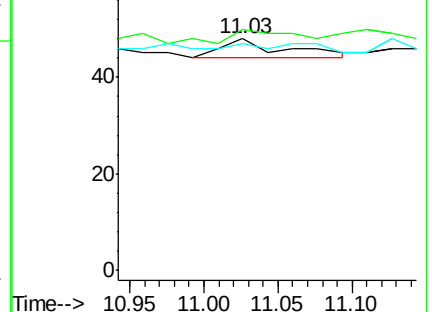
227 58.3 51.4 77.2

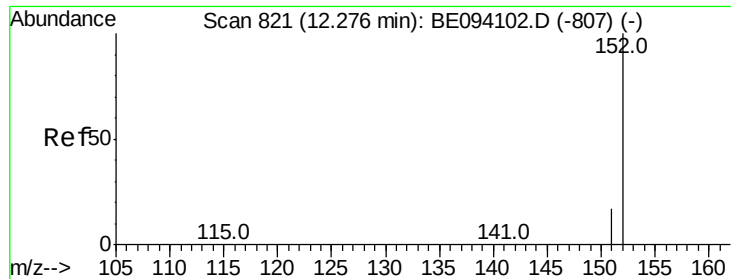


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.158 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

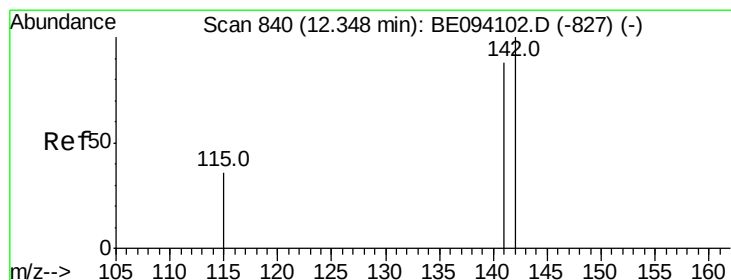
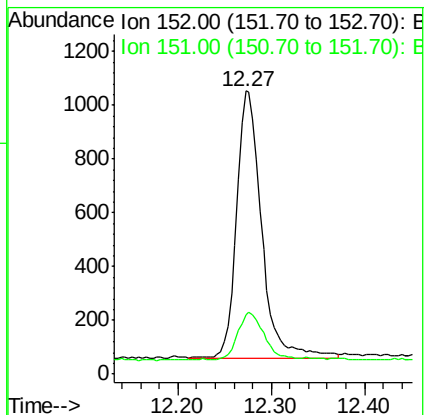
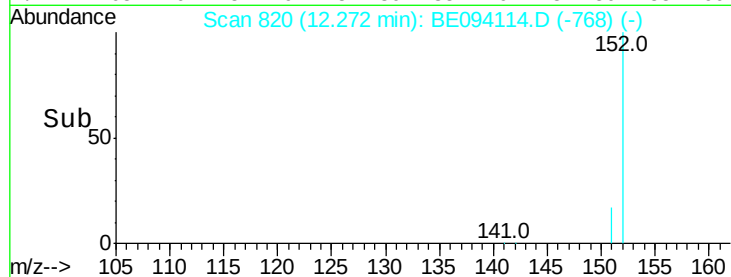
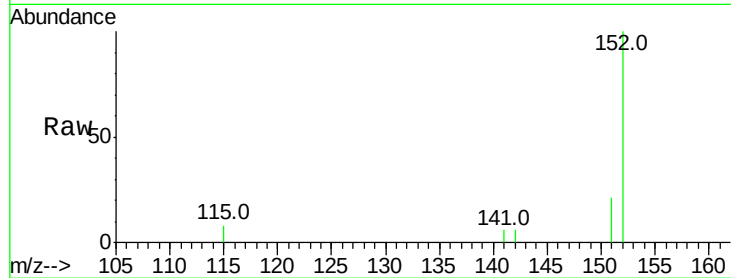
ClientSampleId :

Tot Ion:152 Resp: 1850

Ion Ratio Lower Upper

152 100

151 18.1 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.011 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

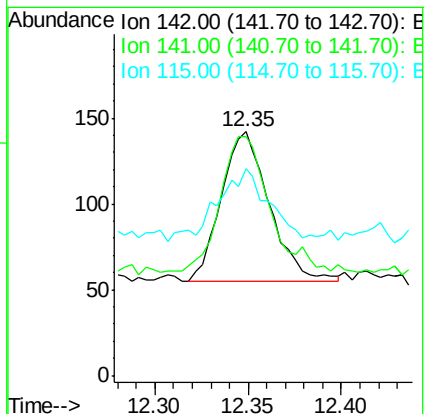
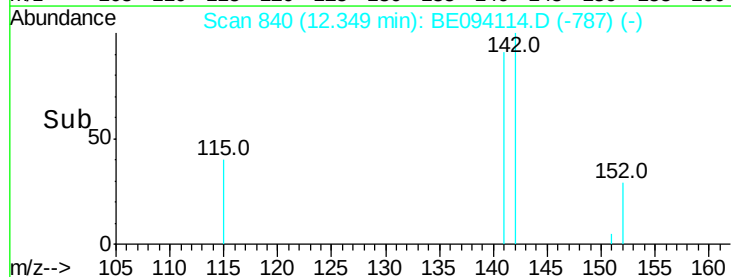
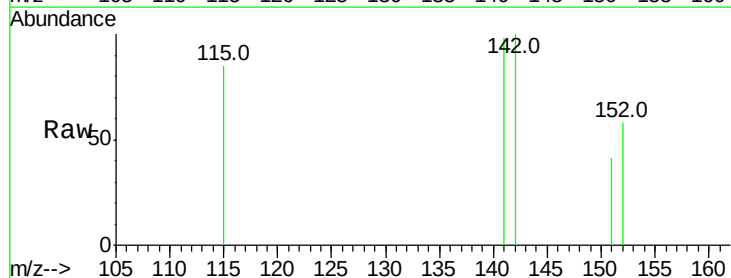
Tgt Ion:142 Resp: 156

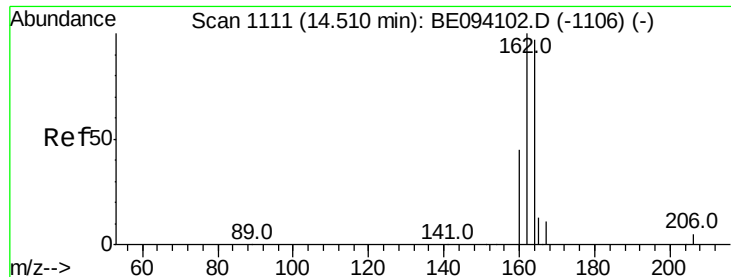
Ion Ratio Lower Upper

142 100

141 97.9 70.4 105.6

115 85.2 31.7 47.5#

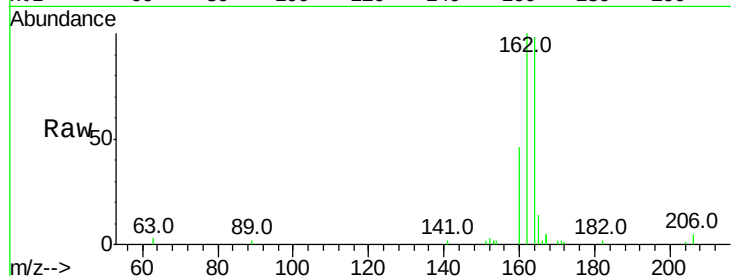




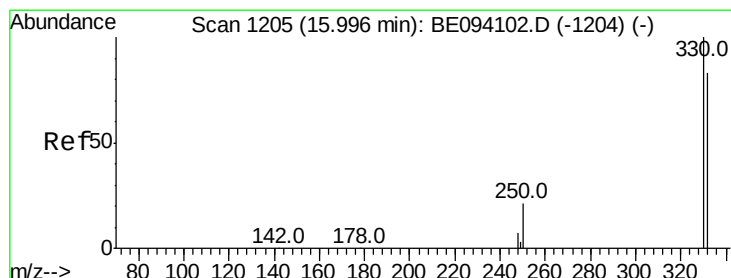
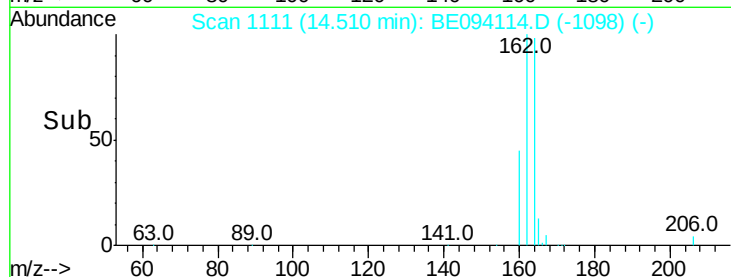
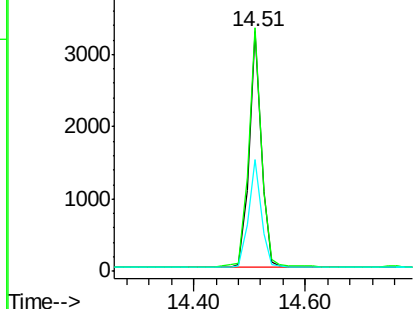
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: BE094114.D
 Acq: 25 Sep 2017 22:22

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 4969
 Ion Ratio Lower Upper
 164 100
 162 101.8 83.1 124.7
 160 46.5 37.1 55.7

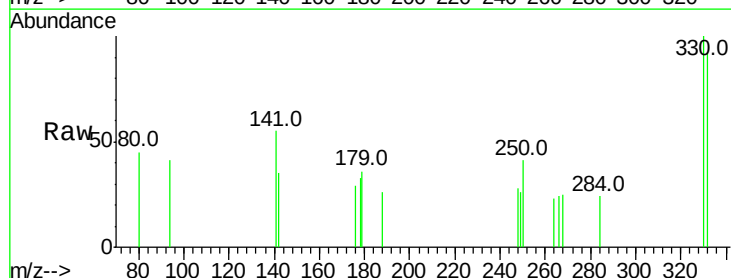


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

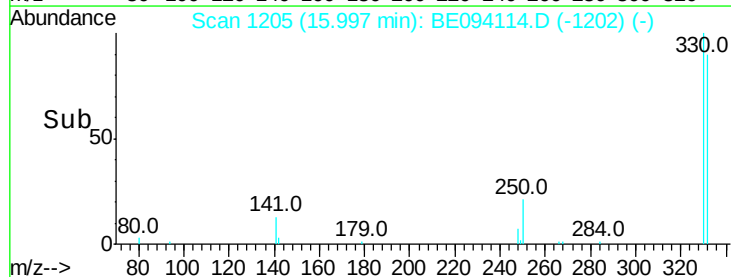
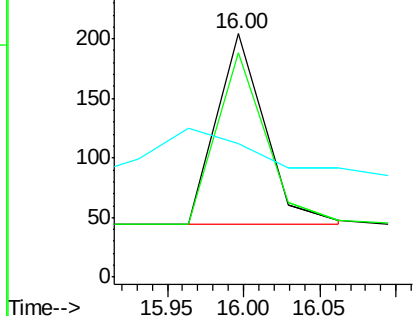


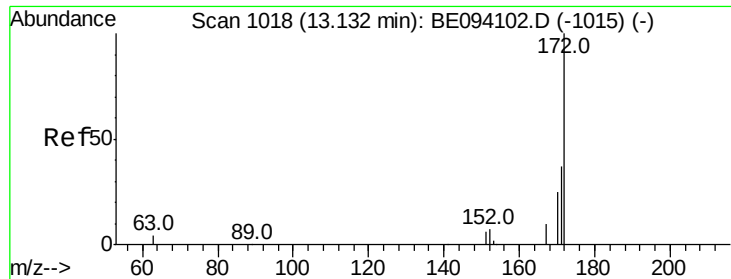
#14
 2,4,6-Tribromophenol
 Concen: 0.093 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094114.D
 Acq: 25 Sep 2017 22:22

Tgt Ion:330 Resp: 348
 Ion Ratio Lower Upper
 330 100
 332 92.2 152.7 229.1#
 141 0.0 33.7 50.5#



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

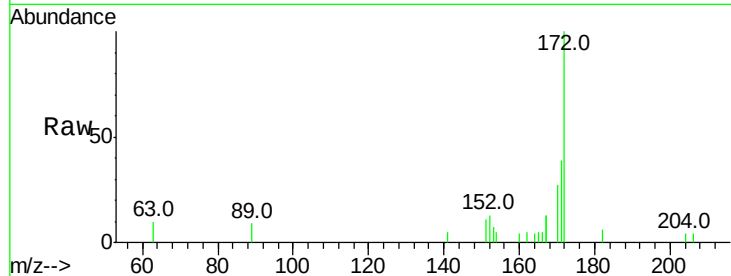




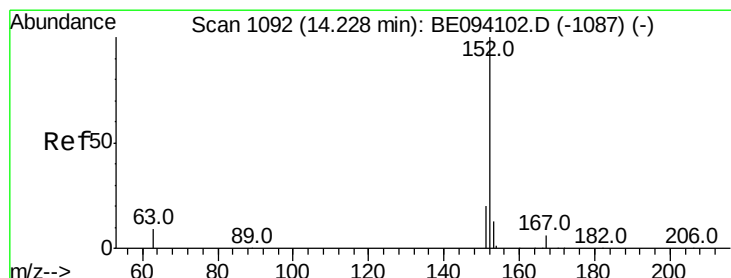
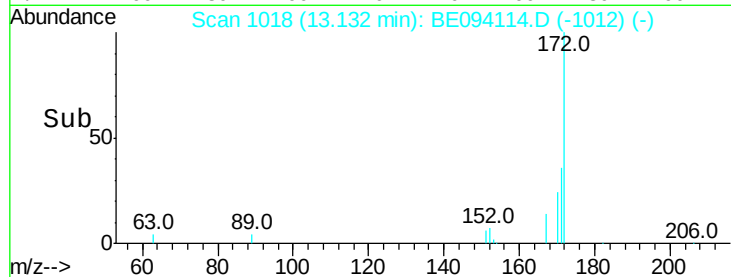
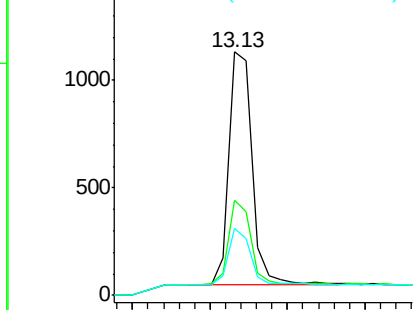
#15
2-Fluorobiphenyl
Concen: 0.138 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2271
Ion Ratio Lower Upper
172 100
171 39.0 29.9 44.9
170 27.4 21.8 32.8

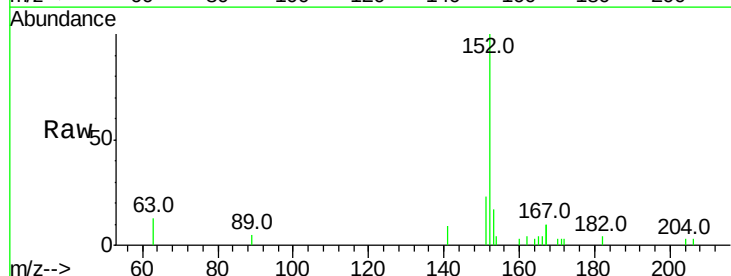


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

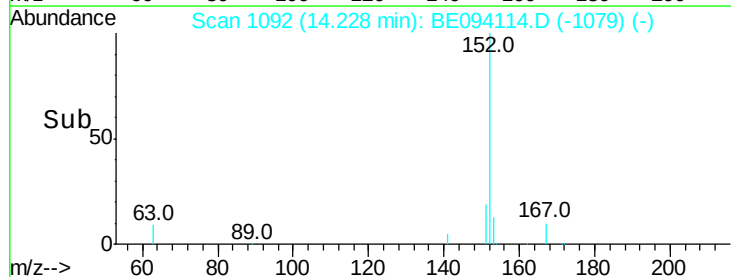
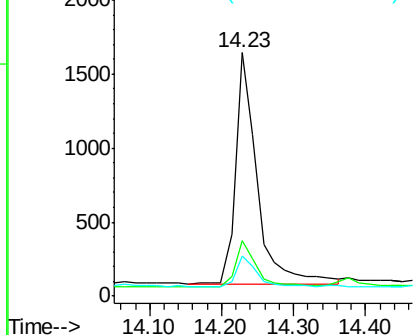


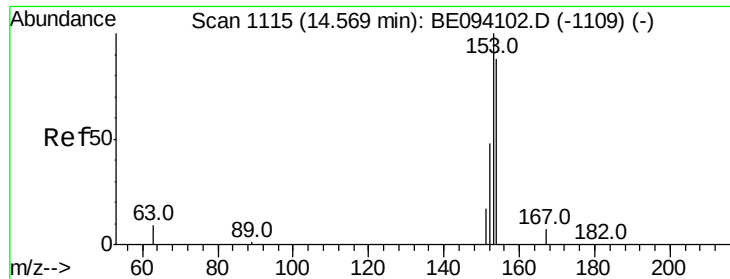
#16
Acenaphthylene
Concen: 0.132 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Tgt Ion:152 Resp: 3280
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 13.8 10.5 15.7



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





#17

Acenaphthene

Concen: 0.043 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

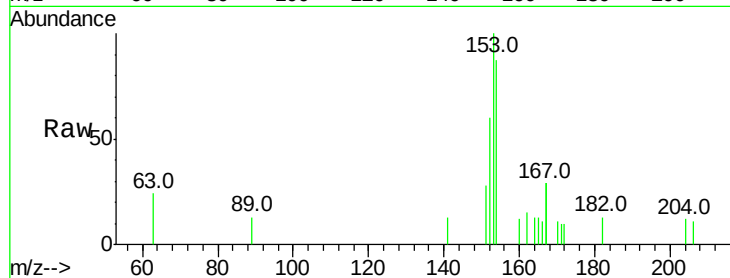
Tot Ion:154 Resp: 669

Ion Ratio Lower Upper

154 100

153 112.7 89.2 133.8

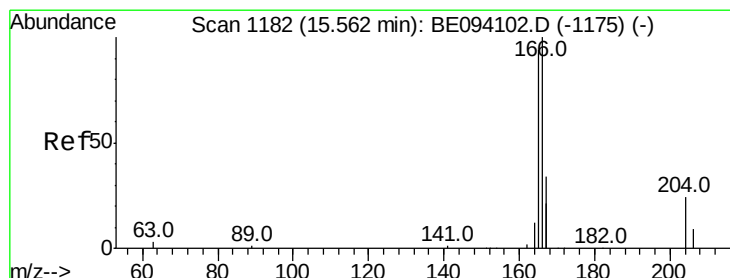
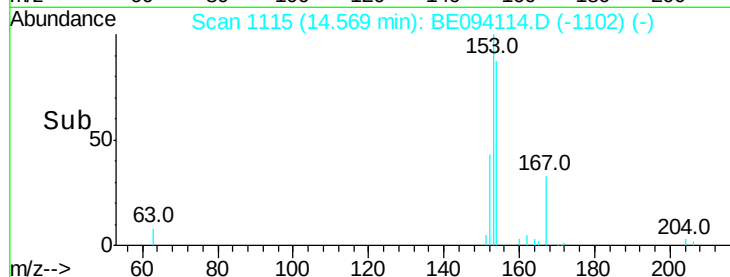
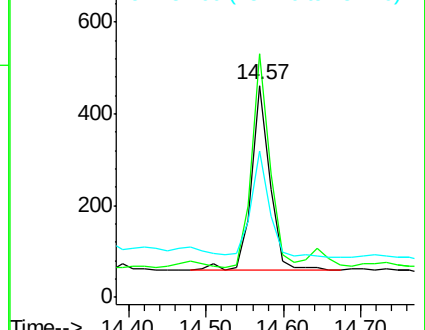
152 58.7 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.056 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

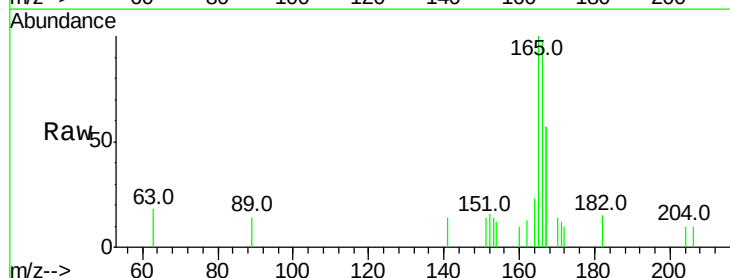
Tgt Ion:166 Resp: 1185

Ion Ratio Lower Upper

166 100

165 108.8 77.8 116.6

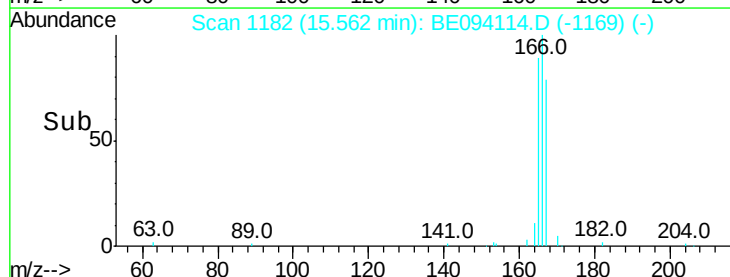
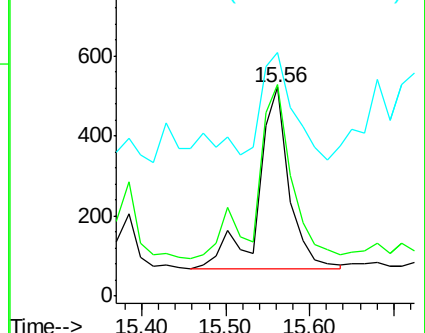
167 59.1 42.4 63.6

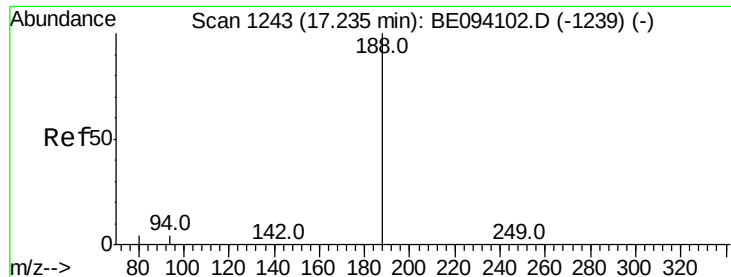


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

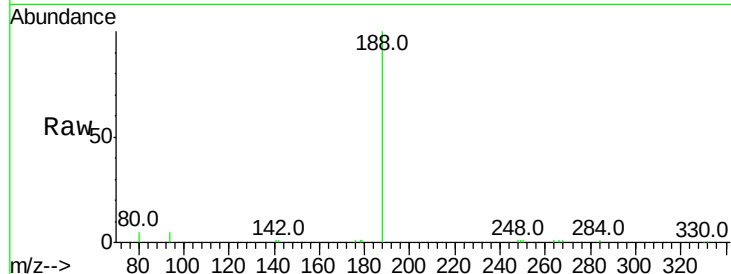




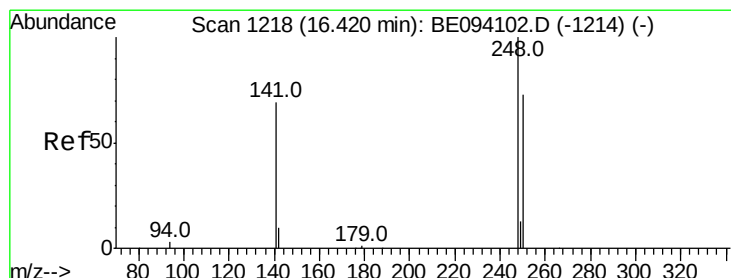
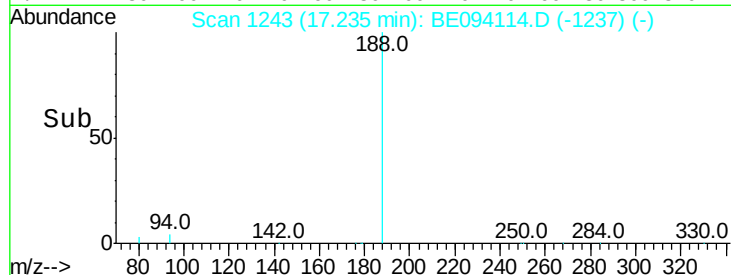
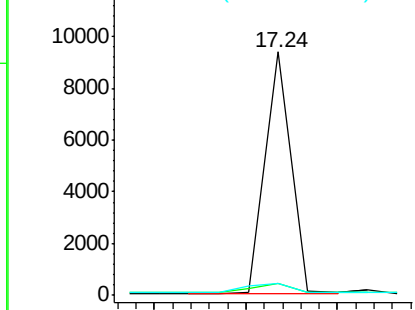
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 18688
Ion Ratio Lower Upper
188 100
94 5.1 3.9 5.9
80 4.7 3.6 5.4

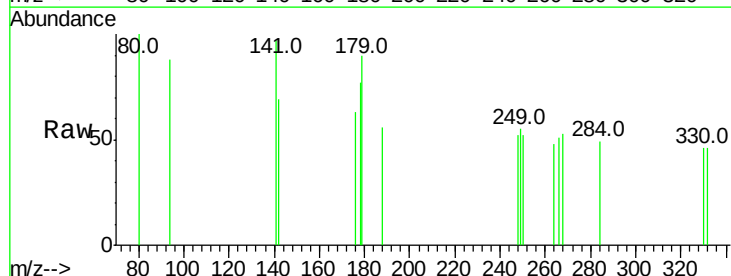


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

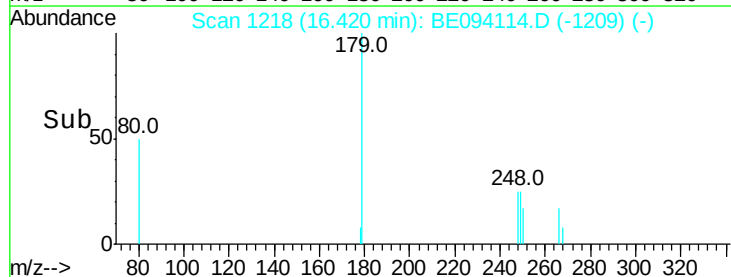
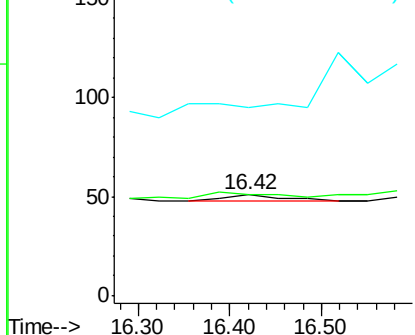


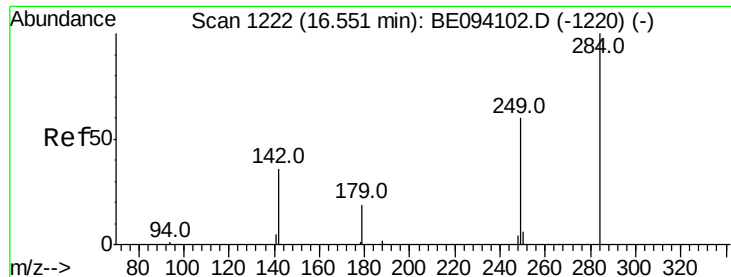
#20
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Tgt Ion:248 Resp: 12
Ion Ratio Lower Upper
248 100
250 100.0 62.7 94.1#
141 186.3 48.2 72.2#



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





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094114.D

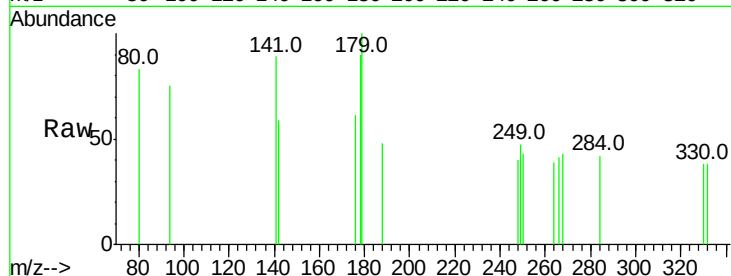
Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampled :

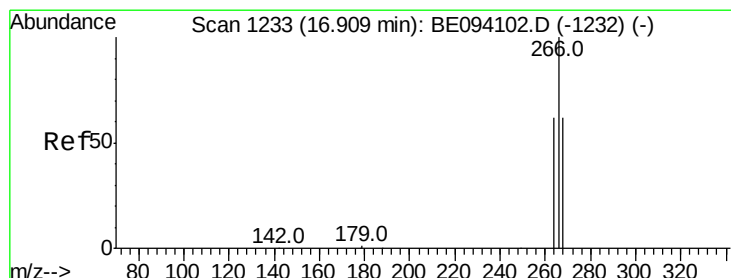
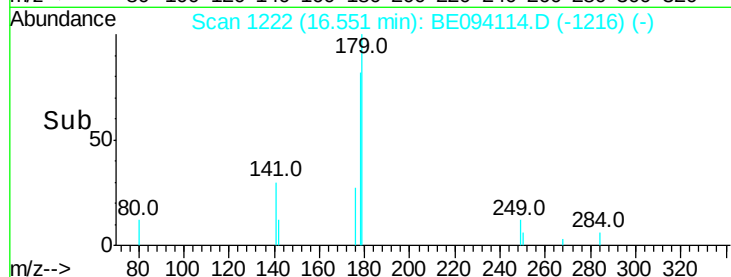
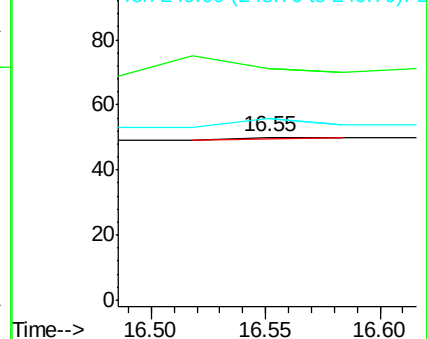
Tot Ion:284	Resp: 4
Ion Ratio	Lower Upper
284 100	
142 0.0	22.1 33.1#
249 200.0	34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.004 ng

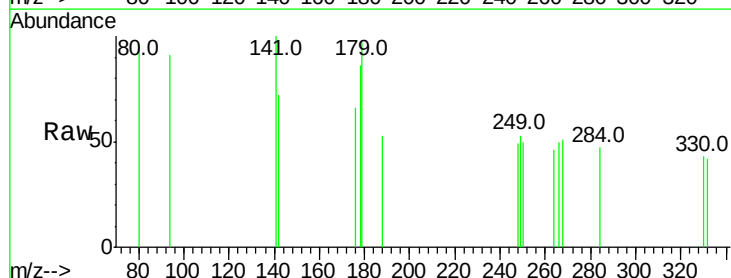
RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

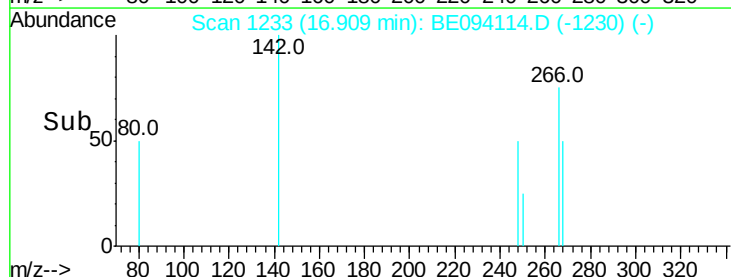
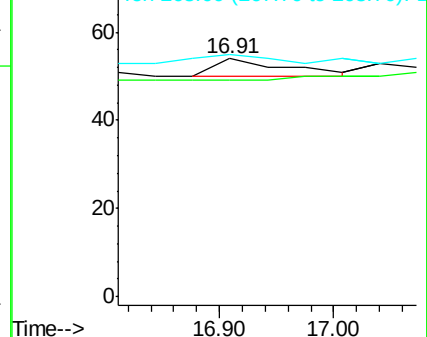
Tgt	Ion:266	Resp:	18
Ion	Ratio	Lower	Upper
266	100		
264	90.7	72.5	108.7
268	101.9	73.8	110.6

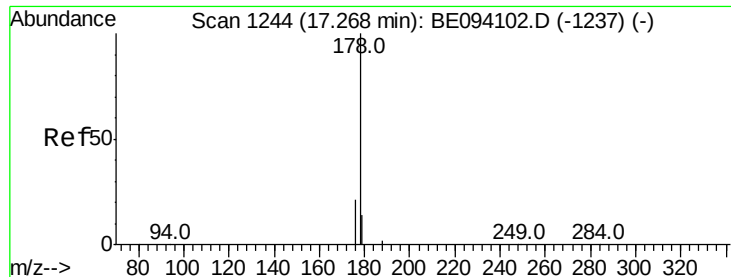


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.812 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

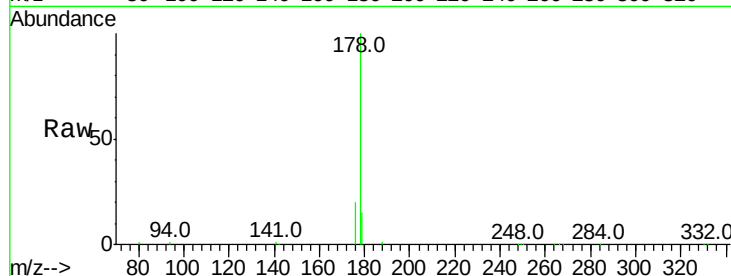
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 38833

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.4	11.8	17.6

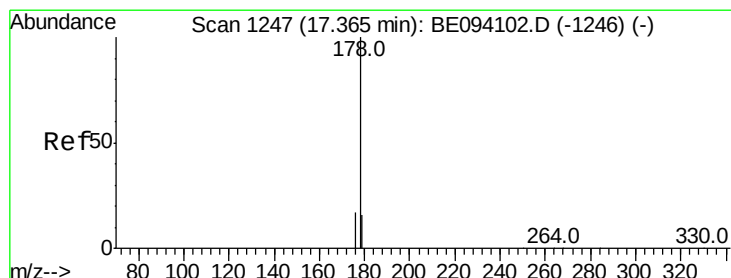
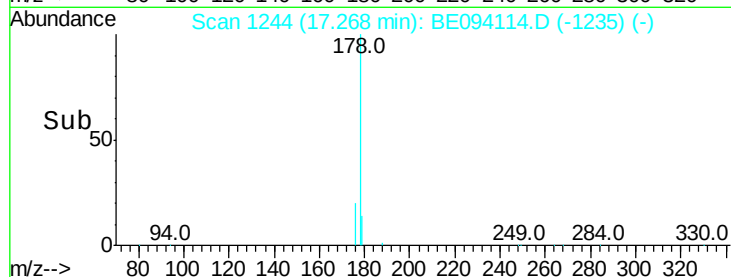
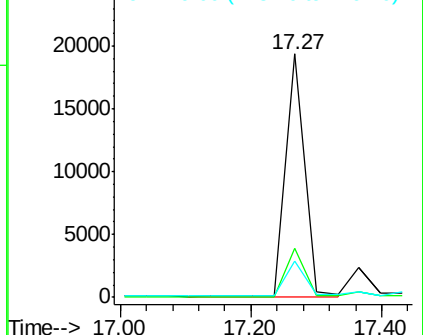


Abundance

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



#24

Anthracene

Concen: 0.106 ng

RT: 17.37 min Scan# 1247

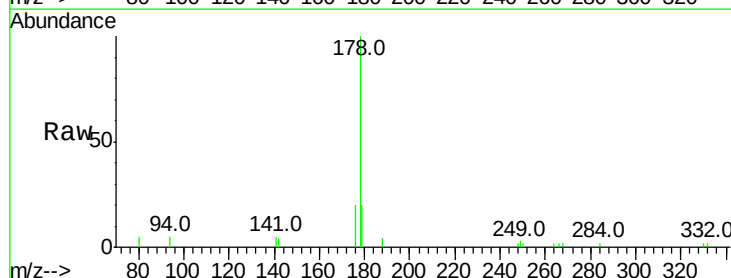
Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Tgt Ion:178 Resp: 5296

Ion	Ratio	Lower	Upper
178	100		
176	17.0	12.8	19.2
179	11.8	13.0	19.6

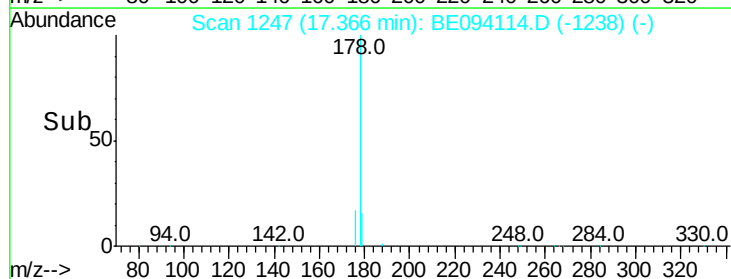
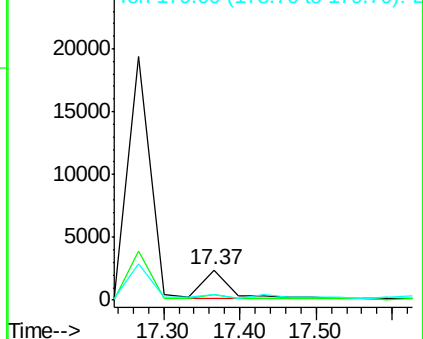


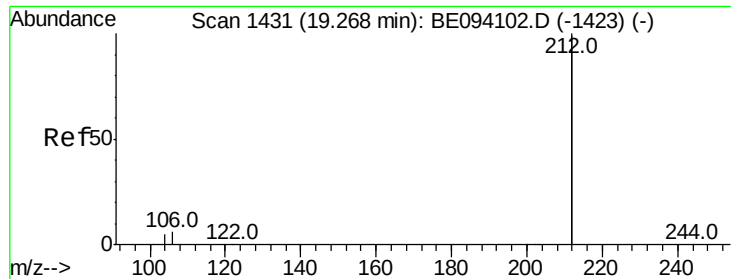
Abundance

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





#25

Fluoranthene-d10

Concen: 0.117 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

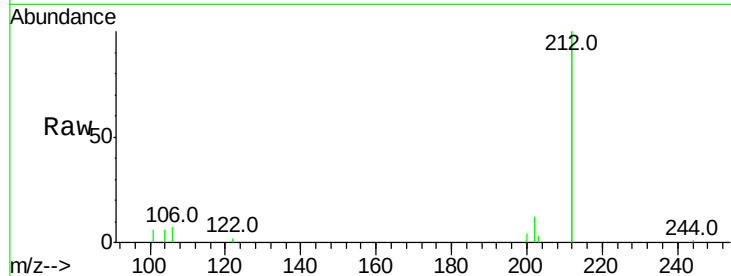
Tot Ion:212 Resp: 21154

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

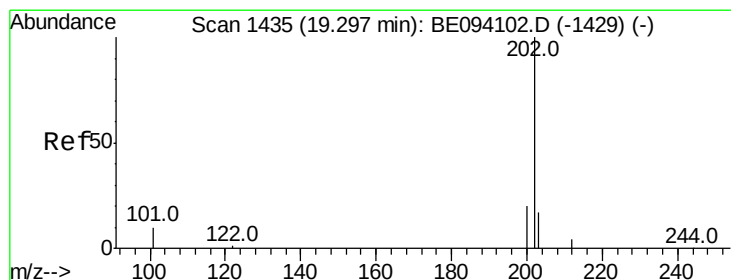
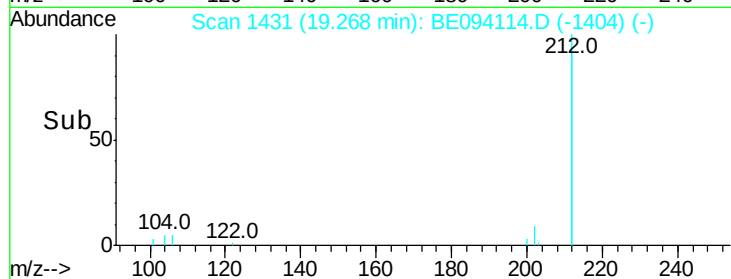
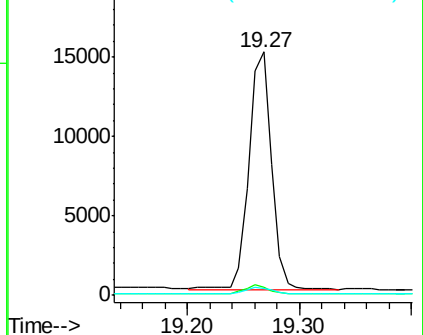
104 3.3 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.630 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

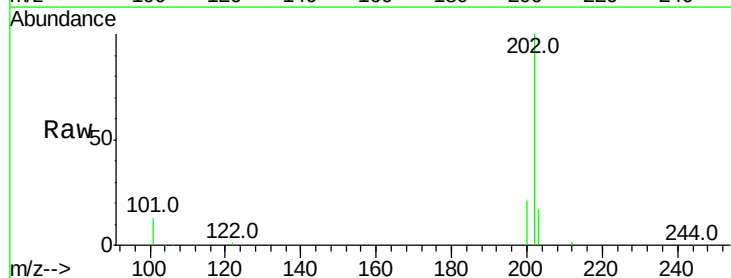
Tgt Ion:202 Resp: 87327

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.8

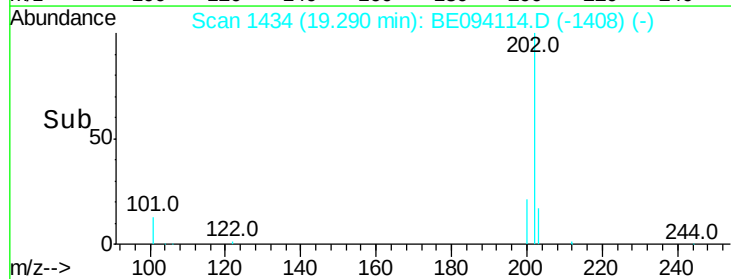
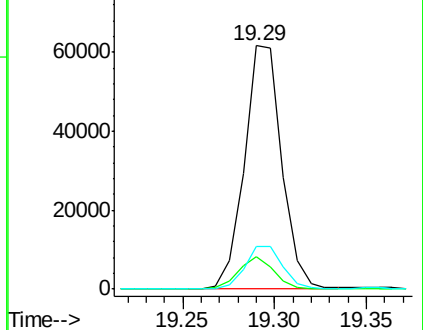
203 17.4 13.7 20.5

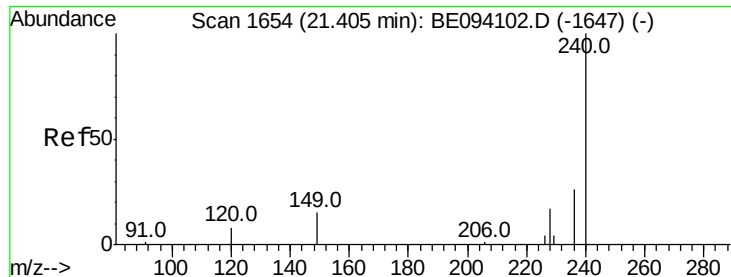


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

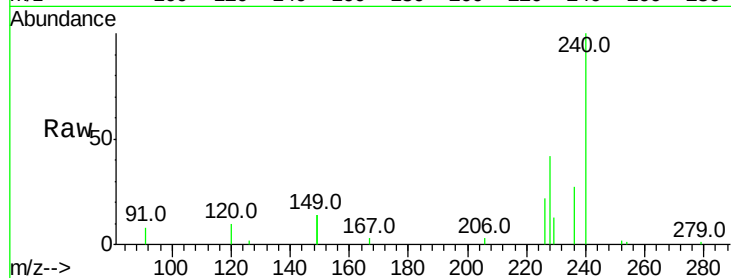
Tot Ion:240 Resp: 16016

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

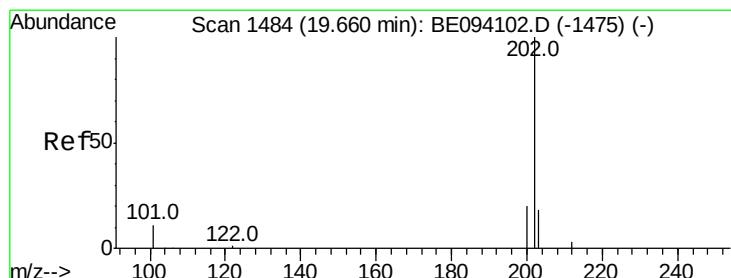
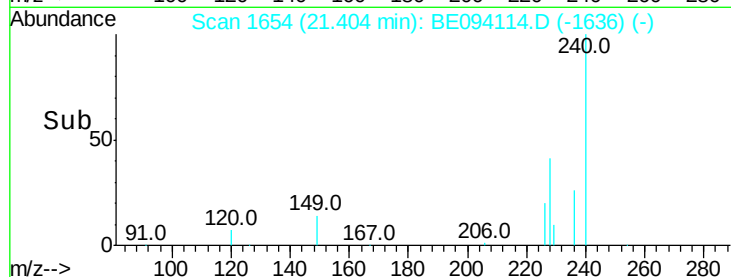
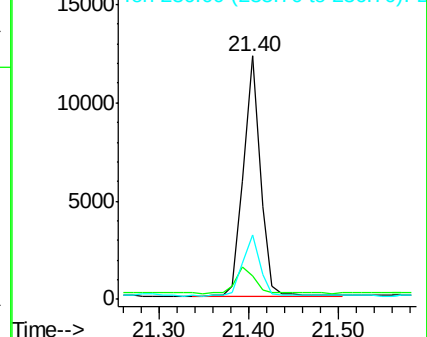
236 26.6 20.7 31.1



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



#28

Pyrene

Concen: 1.682 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

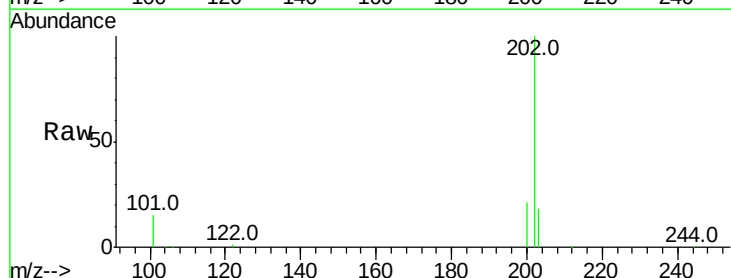
Tgt Ion:202 Resp: 85336

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

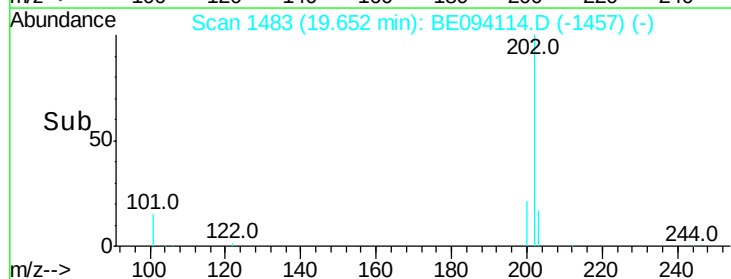
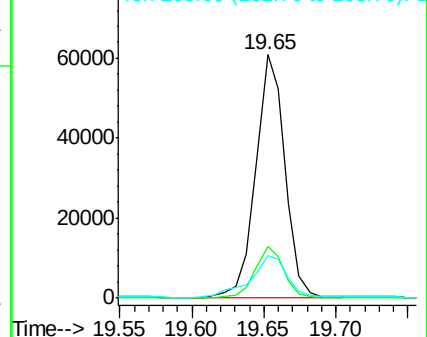
203 21.4 13.8 20.8#

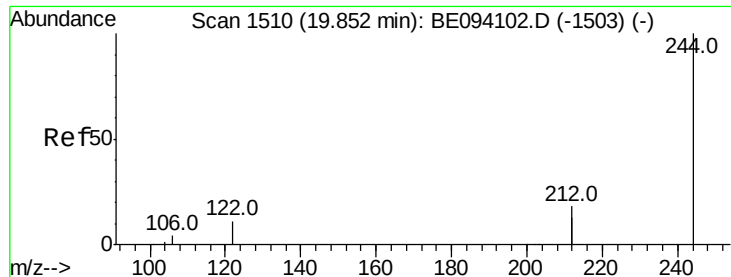


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.108 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

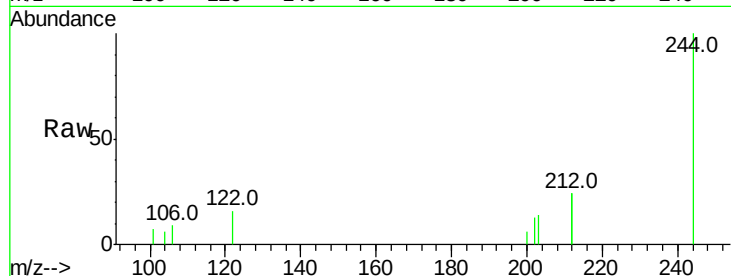
Tot Ion:244 Resp: 3164

Ion Ratio Lower Upper

244 100

212 47.6 25.4 38.0#

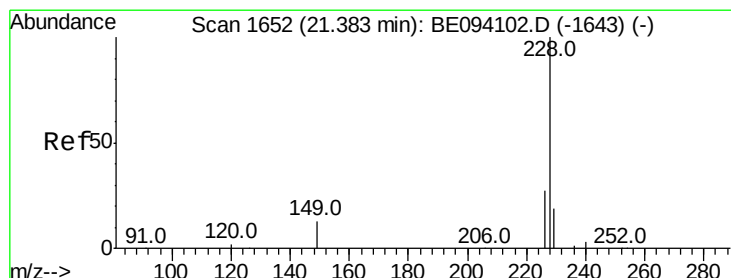
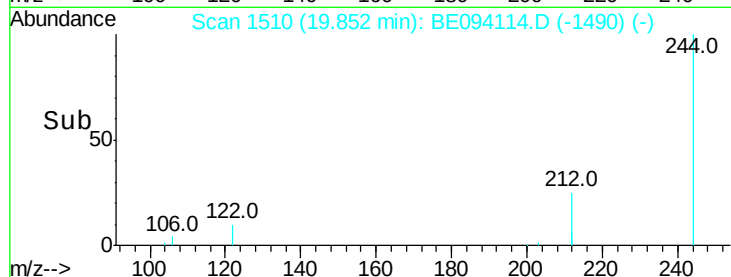
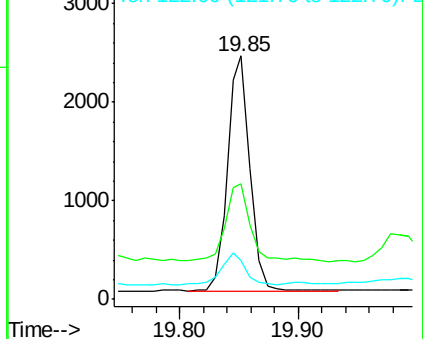
122 15.7 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.738 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

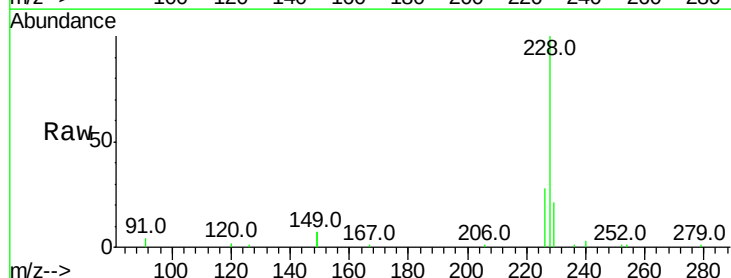
Tgt Ion:228 Resp: 39806

Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.0

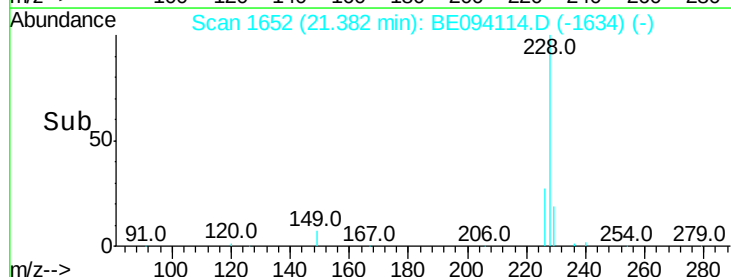
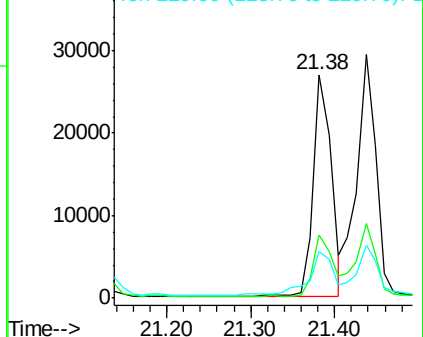
229 21.1 16.4 24.6

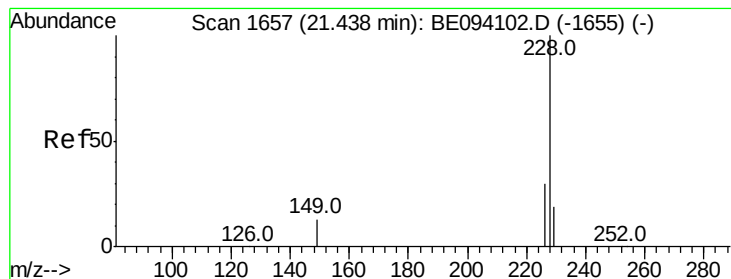


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.895 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

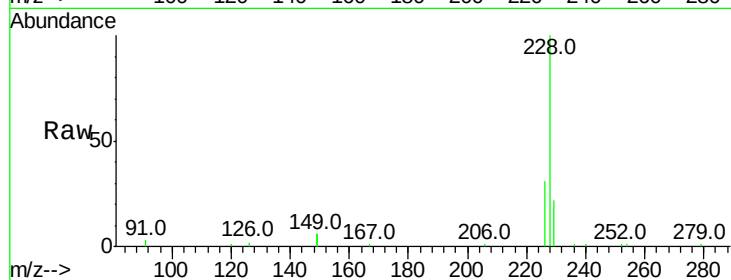
Tot Ion:228 Resp: 46588

Ion Ratio Lower Upper

228 100

226 30.7 23.6 35.4

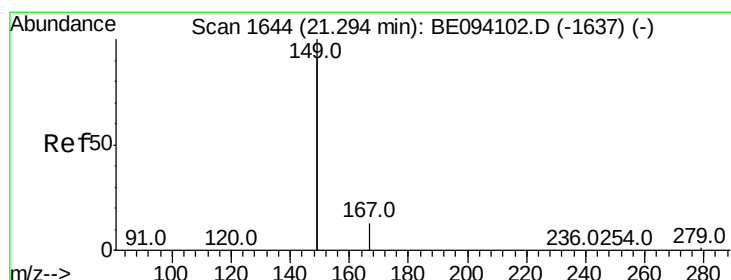
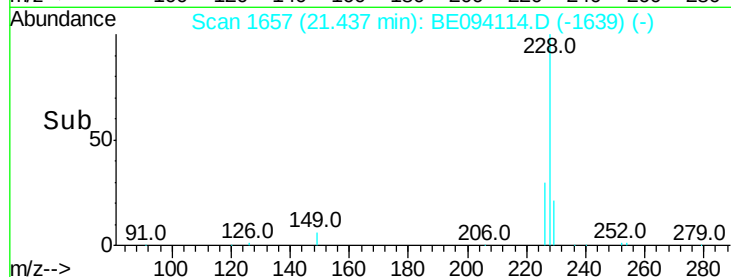
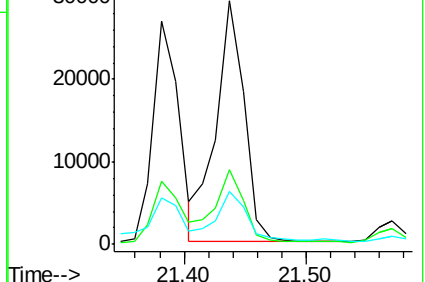
229 21.9 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

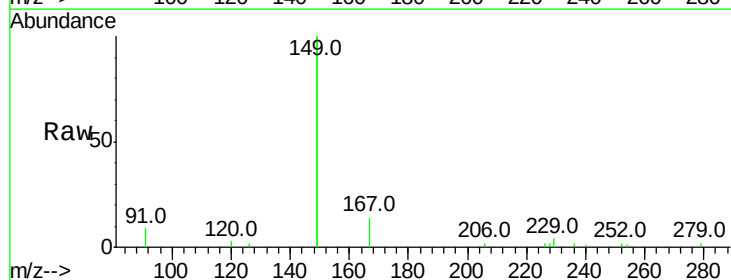
Tgt Ion:149 Resp: 25816

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

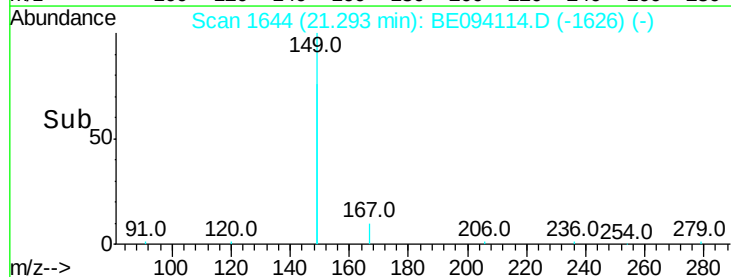
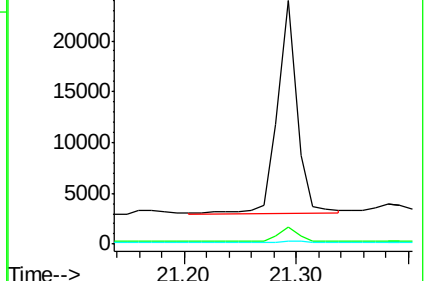
279 1.0 0.7 1.1

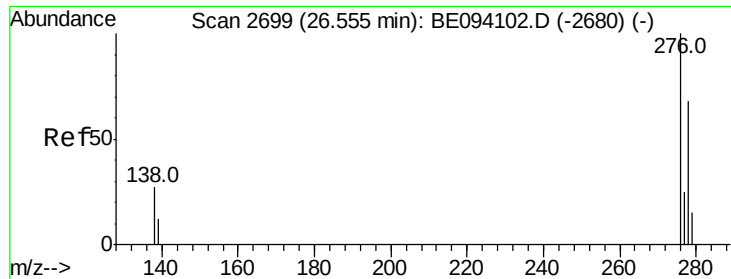


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.458 ng

RT: 26.54 min Scan# 2696

Delta R.T. -0.01 min

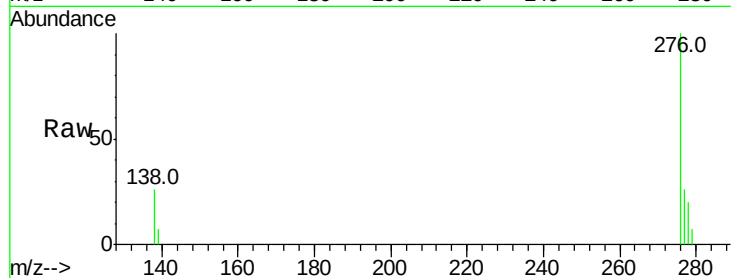
Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :



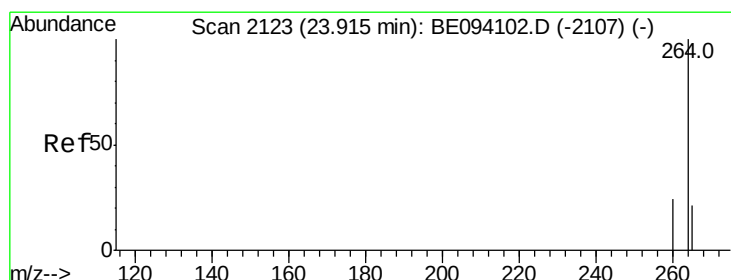
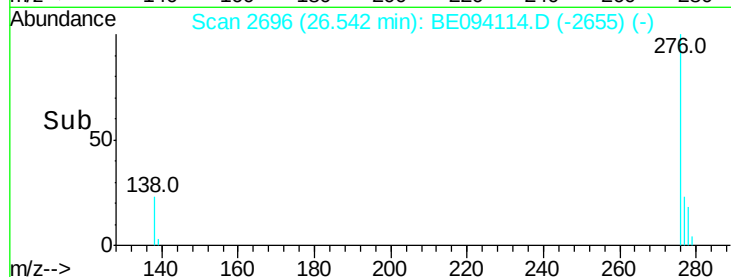
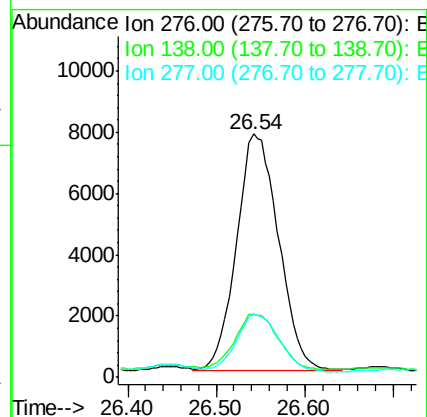
Tot Ion:276 Resp: 25505

Ion Ratio Lower Upper

276 100

138 24.5 22.5 33.7

277 24.5 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

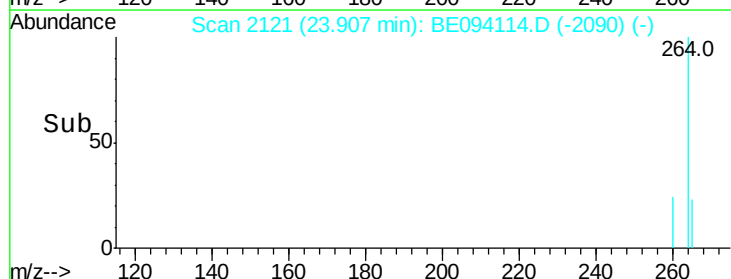
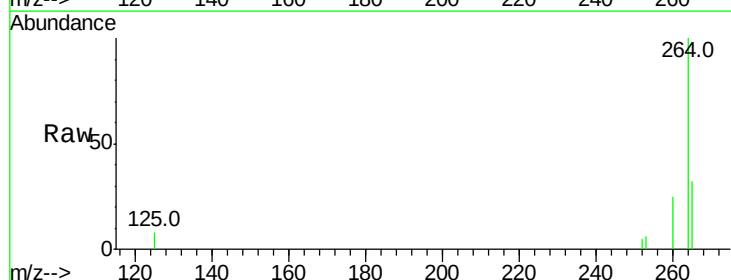
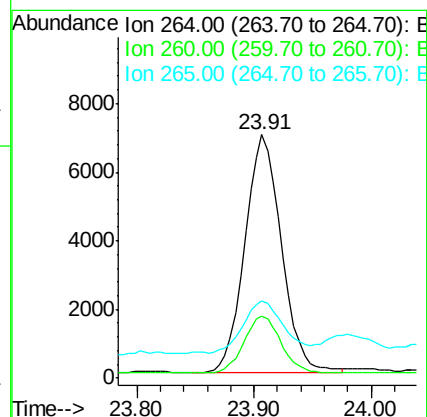
Tgt Ion:264 Resp: 15015

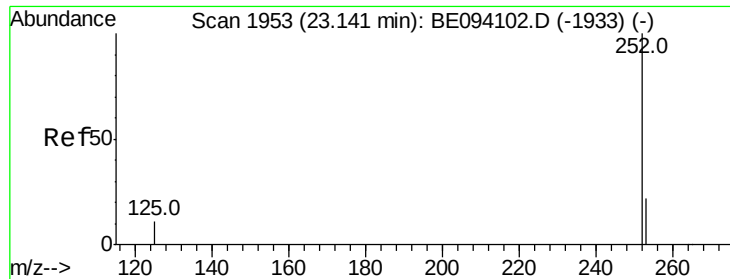
Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

265 31.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 1.046 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :

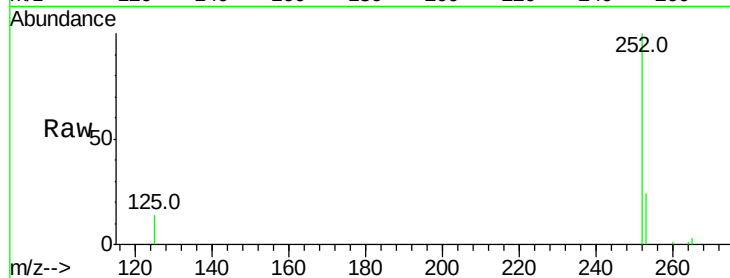
Tot Ion:252 Resp: 56691

Ion Ratio Lower Upper

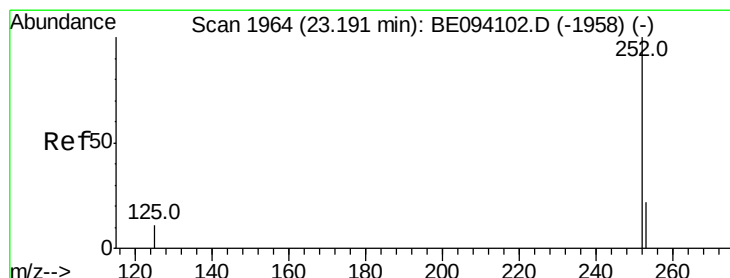
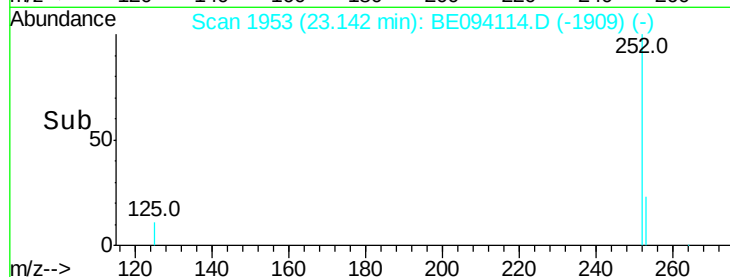
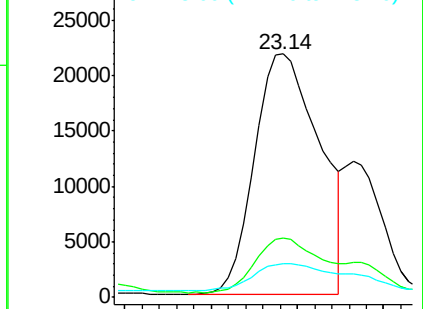
252 100

253 24.1 18.2 27.2

125 13.7 10.1 15.1



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



#36

Benzo(k)fluoranthene

Concen: 1.093 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

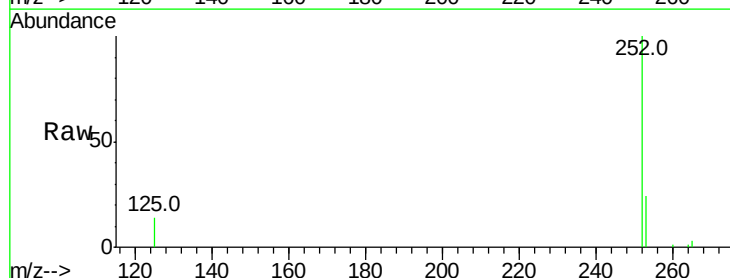
Tgt Ion:252 Resp: 56691

Ion Ratio Lower Upper

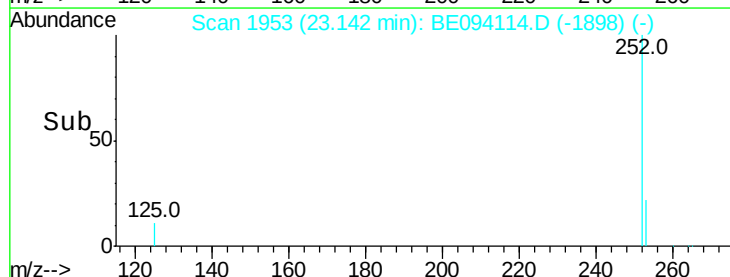
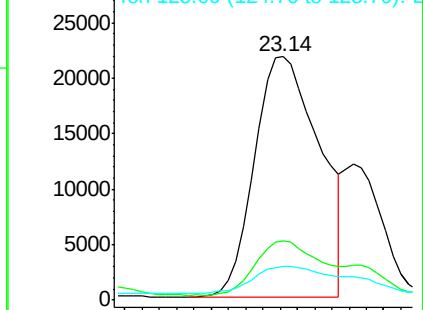
252 100

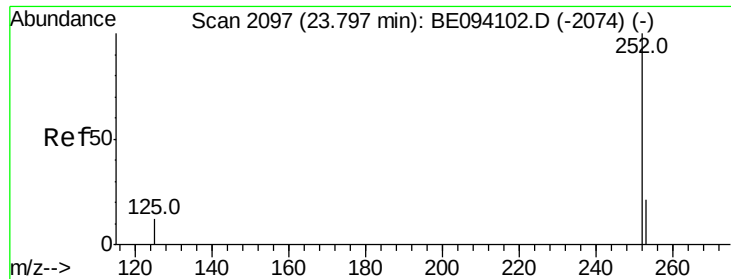
253 24.1 18.6 27.8

125 13.7 10.7 16.1



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

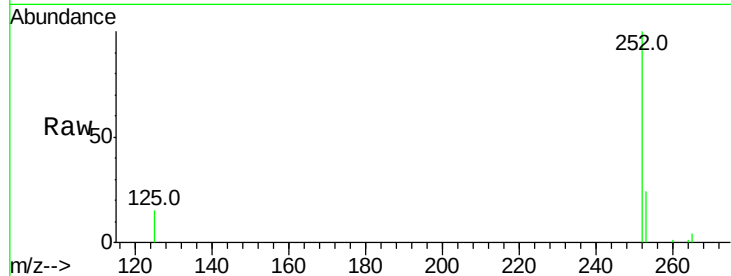




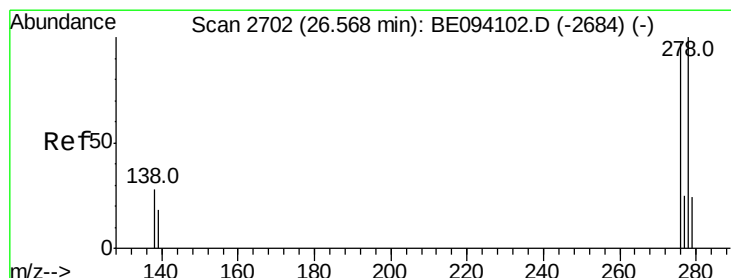
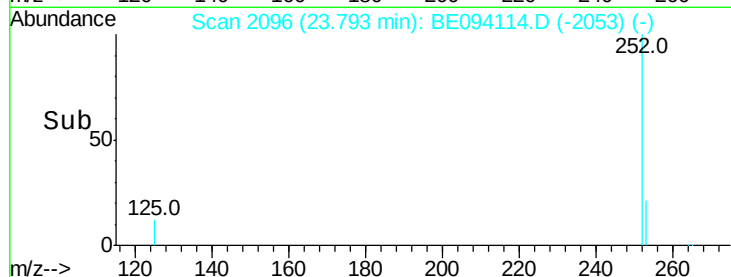
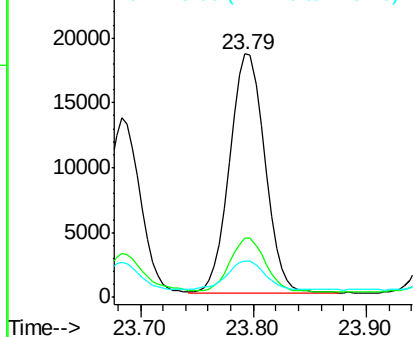
#37
Benzo(a)pyrene
Concen: 0.799 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 39137
Ion Ratio Lower Upper
252 100
253 24.2 19.0 28.6
125 15.1 11.8 17.8

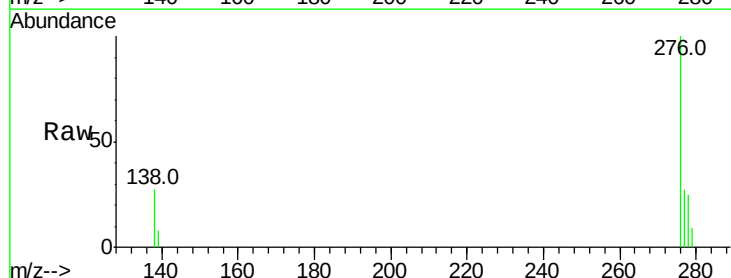


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

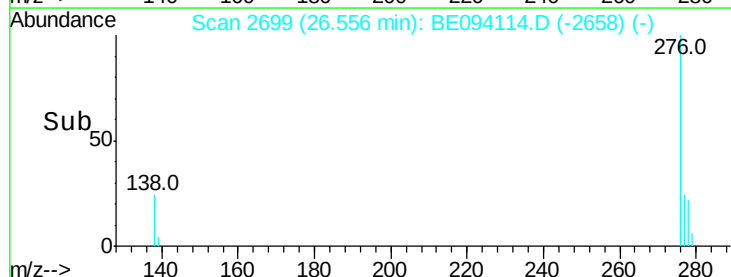
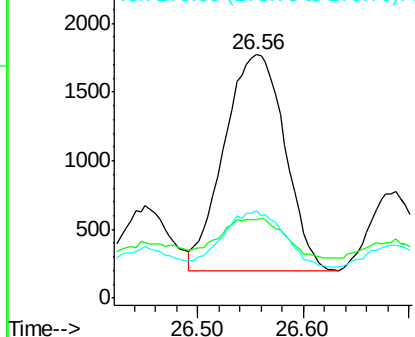


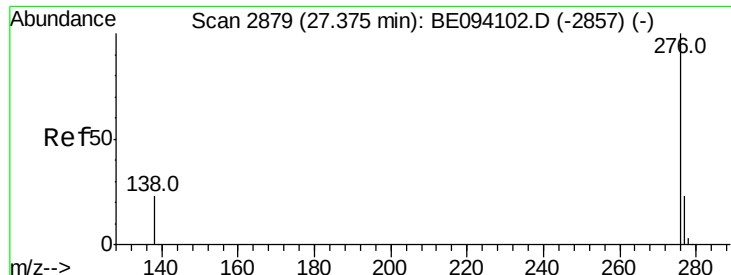
#38
Dibenzo(a,h)anthracene
Concen: 0.136 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094114.D
Acq: 25 Sep 2017 22:22

Tgt Ion:278 Resp: 6314
Ion Ratio Lower Upper
278 100
139 32.3 16.3 24.5#
279 35.9 19.9 29.9#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.558 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

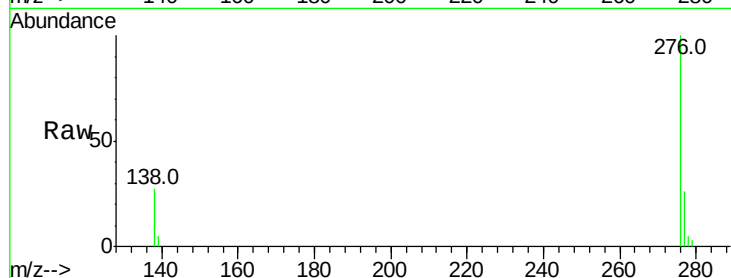
Lab File: BE094114.D

Acq: 25 Sep 2017 22:22

Instrument :

BNA_E

ClientSampleId :



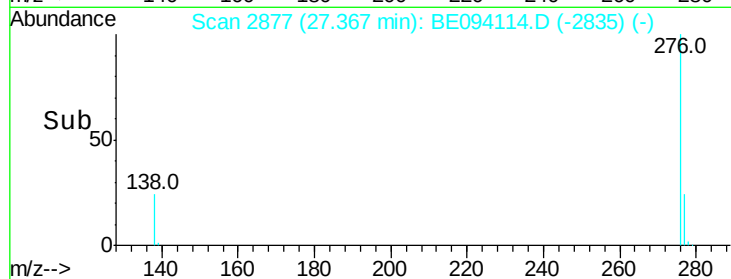
Tot Ion:276 Resp: 25610

Ion Ratio Lower Upper

276 100

277 26.0 20.8 31.2

138 27.2 21.5 32.3



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

