

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094128.D
 Acq On : 26 Sep 2017 14:47
 Operator : SJ/JU
 Sample : PB102616BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102616BS

Quant Time: Sep 26 15:50:48 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	1421	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6527	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3701	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	13391	0.40	ng	0.00
27) Chrysene-d12	21.40	240	13235	0.40	ng	0.00
34) Perylene-d12	23.91	264	12648	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1579	0.29	ng	0.00
5) Phenol-d6	7.09	99	2180	0.29	ng	0.00
8) Nitrobenzene-d5	9.06	82	1841	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3358	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	518	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4253	0.35	ng	0.01
25) Fluoranthene-d10	19.27	212	46902	0.36	ng	0.00
29) Terphenyl-d14	19.85	244	8046	0.33	ng	0.00

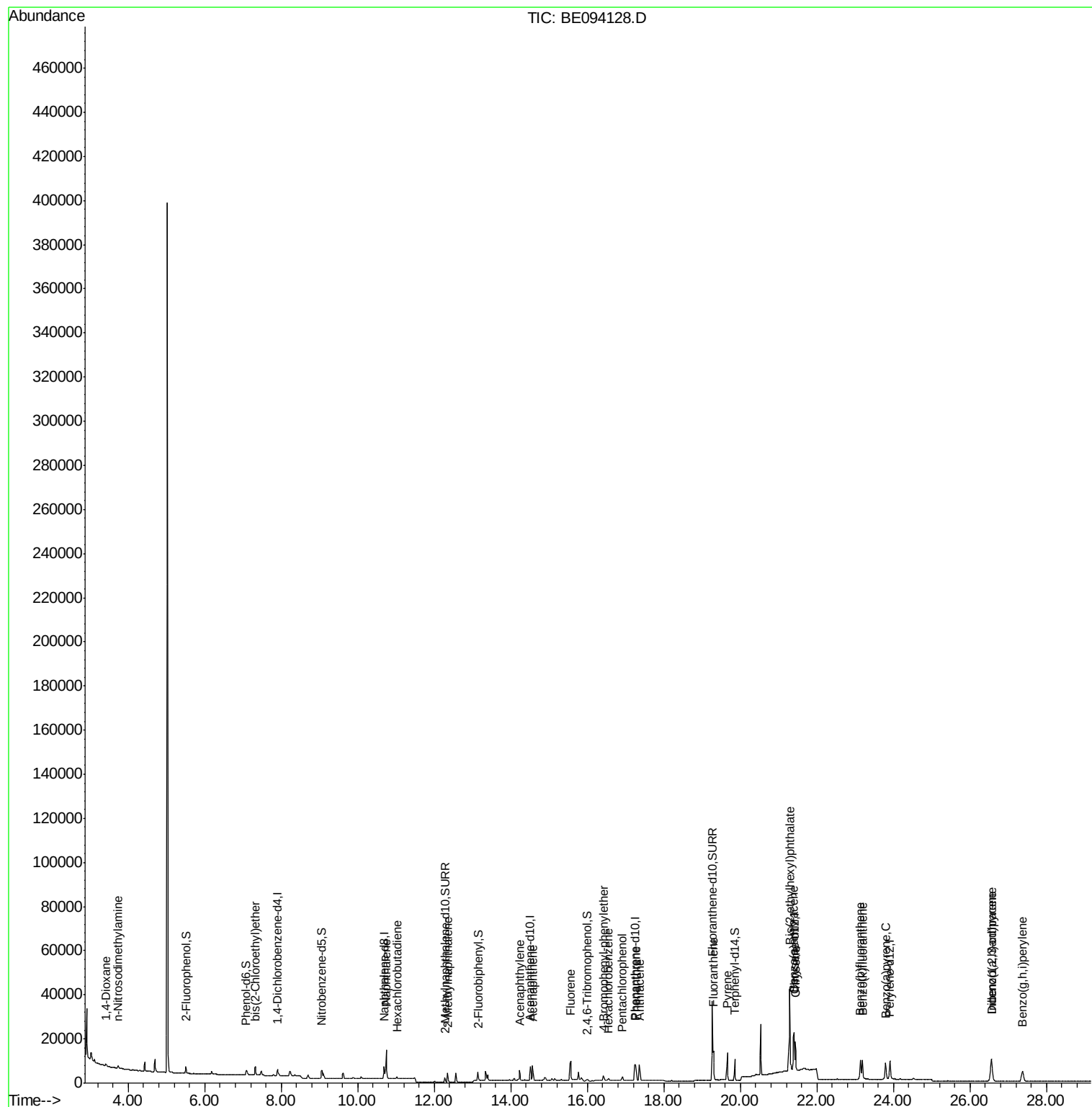
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	758	0.274	ng	# 6
3) n-Nitrosodimethylamine	3.73	42	1013	0.286	ng	# 79
6) bis(2-Chloroethyl)ether	7.33	93	1576	0.272	ng	98
9) Naphthalene	10.74	128	20931	0.284	ng	100
10) Hexachlorobutadiene	11.03	225	764	0.277	ng	97
12) 2-Methylnaphthalene	12.35	142	3459	0.290	ng	100
16) Acenaphthylene	14.23	152	5322	0.287	ng	99
17) Acenaphthene	14.57	154	3548	0.306	ng	99
18) Fluorene	15.56	166	4645	0.295	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1643	0.299	ng	# 86
21) Hexachlorobenzene	16.55	284	1132	0.326	ng	# 88
22) Pentachlorophenol	16.91	266	1602	0.504	ng	# 72
23) Phenanthrene	17.27	178	10682	0.312	ng	97
24) Anthracene	17.37	178	10703	0.298	ng	98
26) Fluoranthene	19.30	202	11698	0.305	ng	100
28) Pyrene	19.66	202	12411	0.296	ng	98
30) Benzo(a)anthracene	21.38	228	13596	0.305	ng	97
31) Chrysene	21.44	228	12123	0.282	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	74219	0.444	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	13304	0.289	ng	99
35) Benzo(b)fluoranthene	23.14	252	12818	0.281	ng	# 91
36) Benzo(k)fluoranthene	23.19	252	12158	0.278	ng	# 92
37) Benzo(a)pyrene	23.79	252	12026	0.292	ng	# 91
38) Dibenzo(a,h)anthracene	26.57	278	11143	0.285	ng	95
39) Benzo(g,h,i)perylene	27.37	276	11229	0.290	ng	97

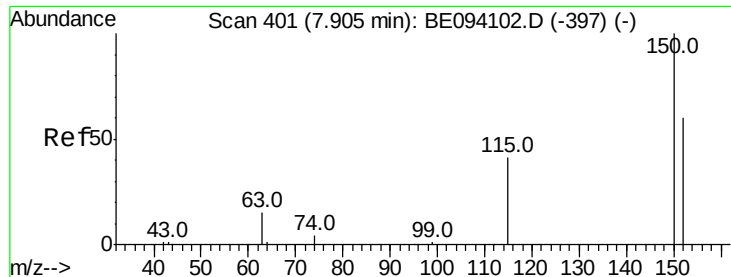
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

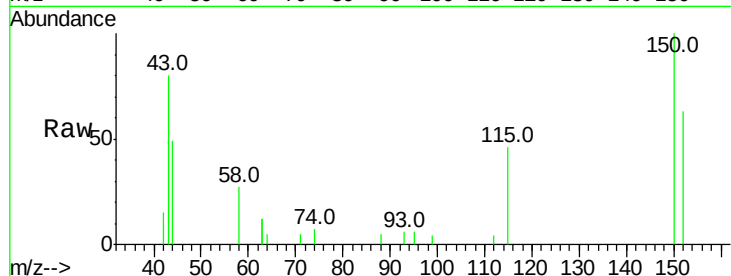
Tot Ion:152 Resp: 1421

Ion Ratio Lower Upper

152 100

150 157.9 117.2 175.8

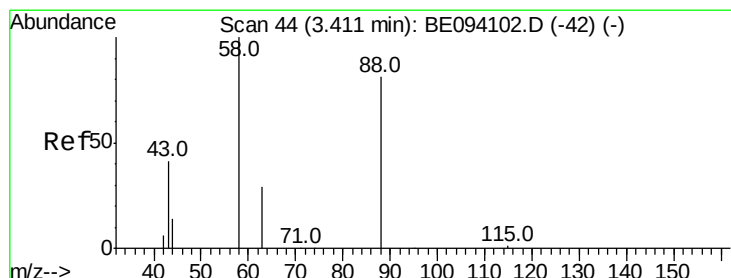
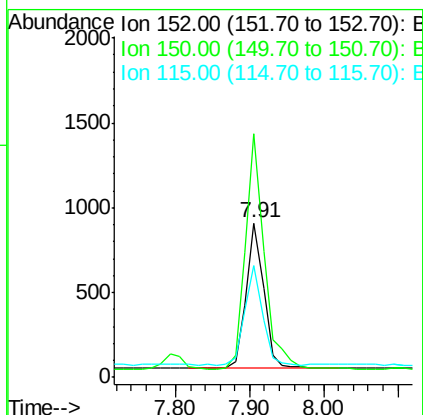
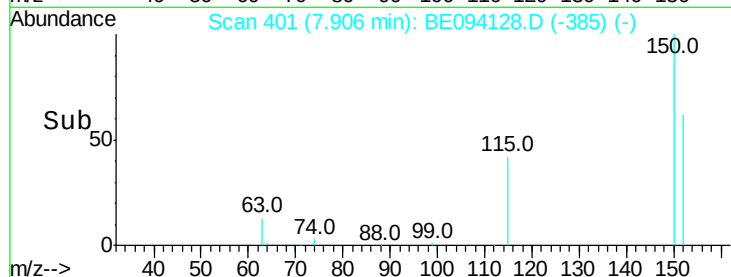
115 72.3 57.0 85.6



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: 0.274 ng

RT: 3.42 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

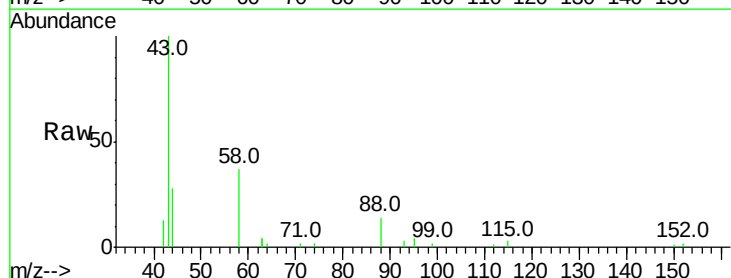
Tgt Ion: 88 Resp: 758

Ion Ratio Lower Upper

88 100

58 172.6 63.2 94.8#

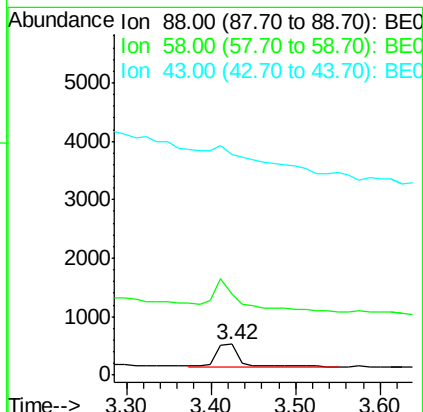
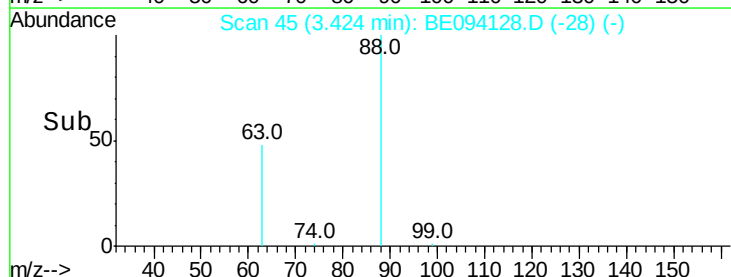
43 0.0 41.2 61.8#

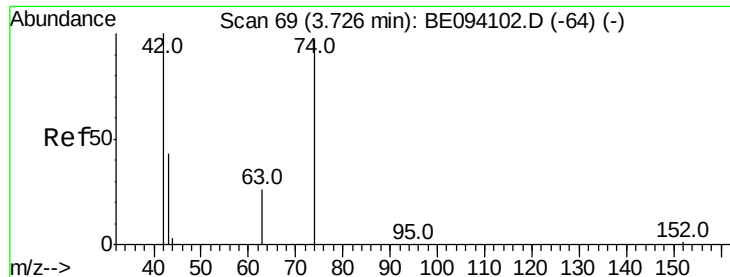


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.286 ng

RT: 3.73 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

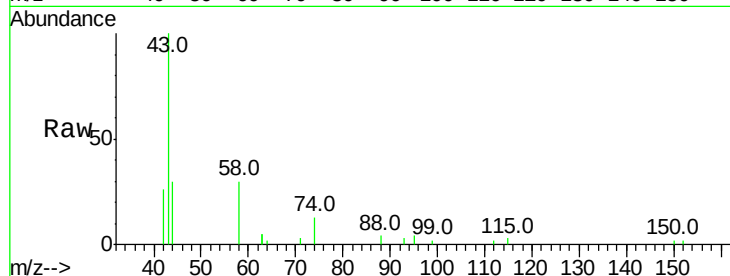
Tot Ion: 42 Resp: 1013

Ion Ratio Lower Upper

42 100

74 105.6 100.3 150.5

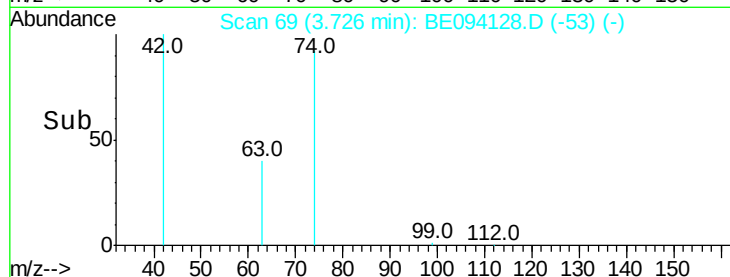
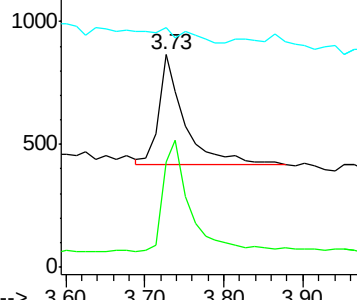
44 0.0 17.0 25.4#



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: 0.293 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

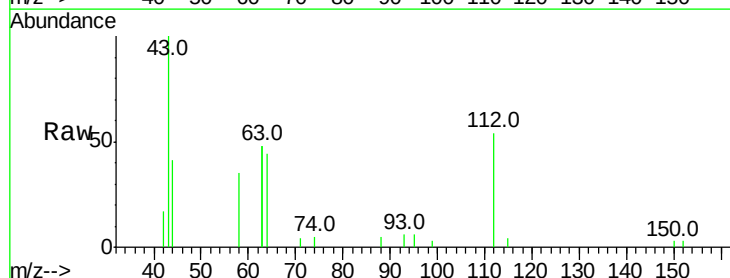
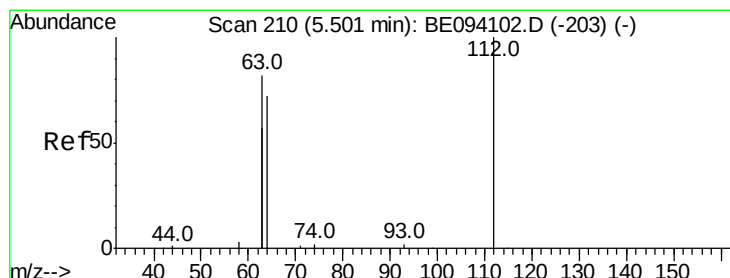
Tgt Ion: 112 Resp: 1579

Ion Ratio Lower Upper

112 100

64 77.6 60.1 90.1

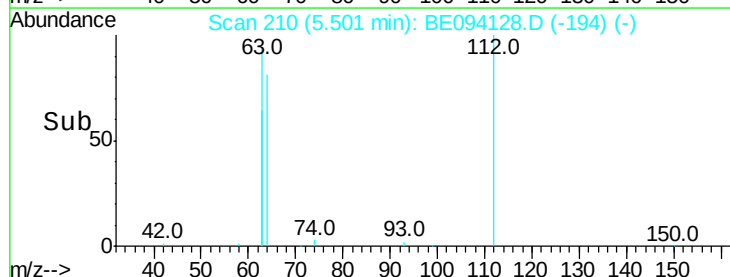
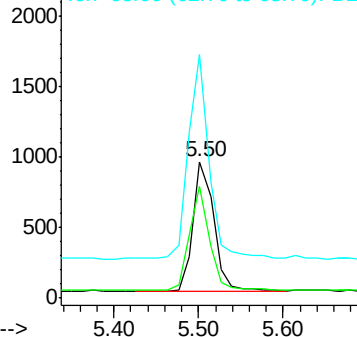
63 160.0 116.8 175.2

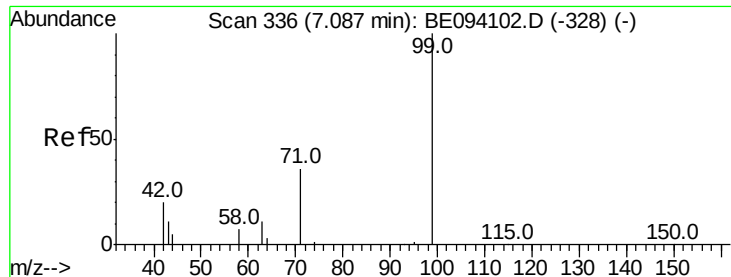


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.291 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

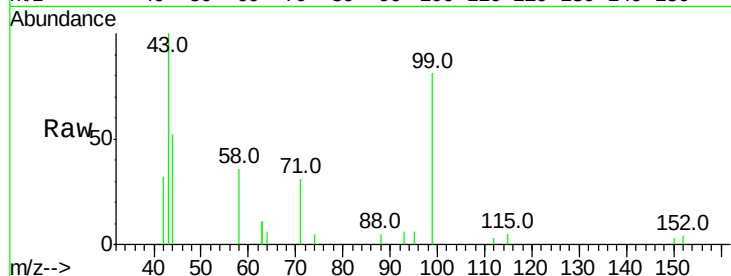
Tot Ion: 99 Resp: 2180

Ion Ratio Lower Upper

99 100

42 21.6 20.2 30.2

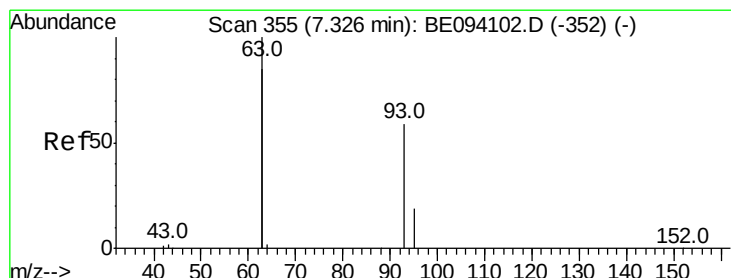
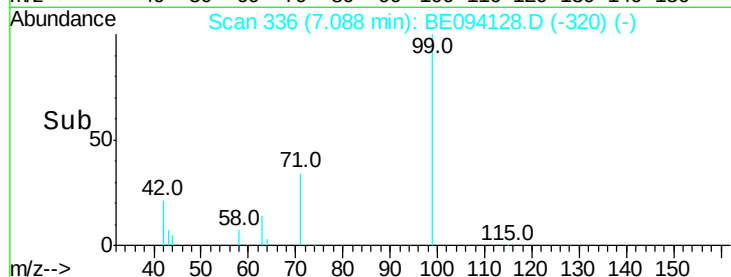
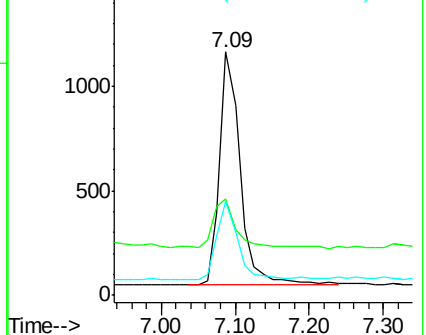
71 34.7 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.272 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

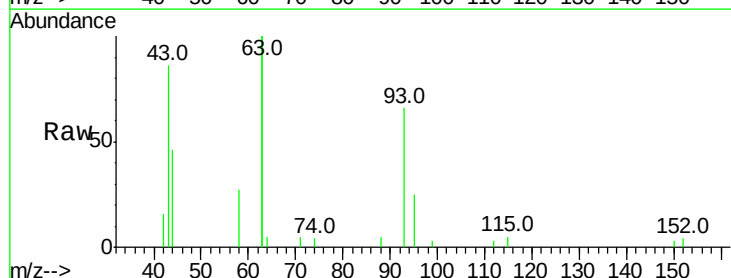
Tgt Ion: 93 Resp: 1576

Ion Ratio Lower Upper

93 100

63 348.7 275.3 412.9

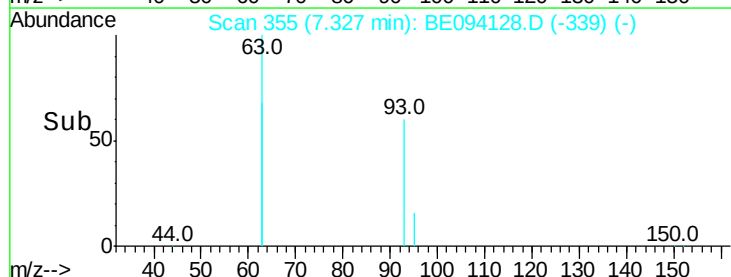
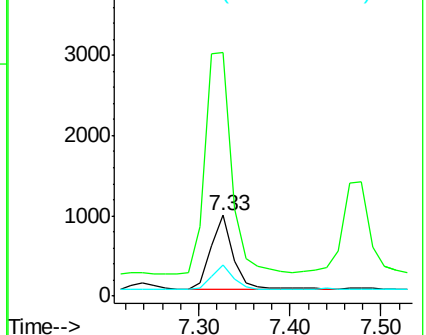
95 31.4 25.2 37.8

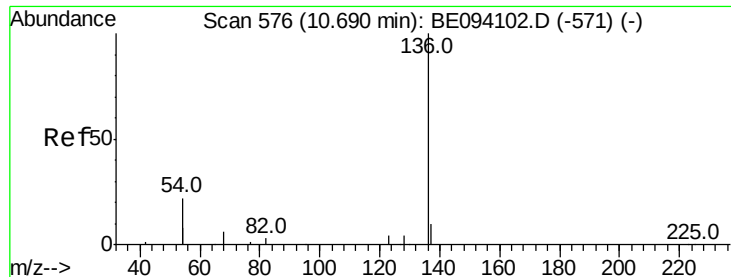


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

Tot Ion:136 Resp: 6527

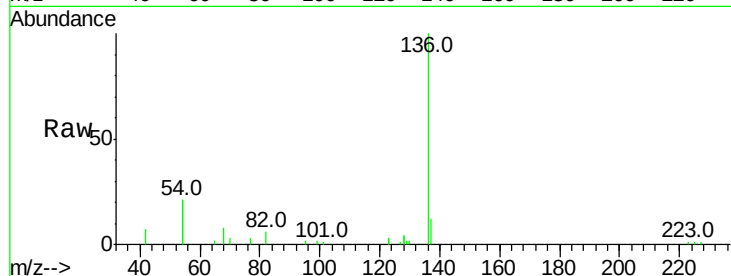
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 42.2 29.1 43.7

68 8.5 6.2 9.2

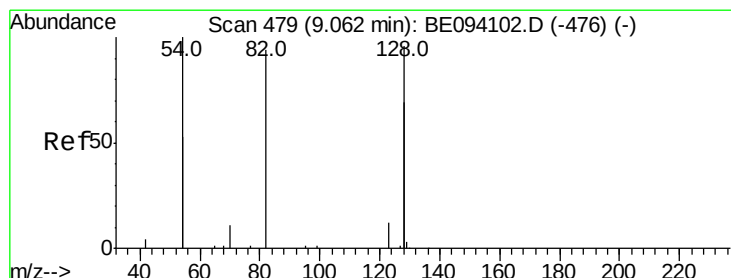
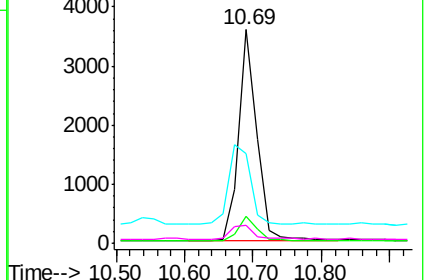
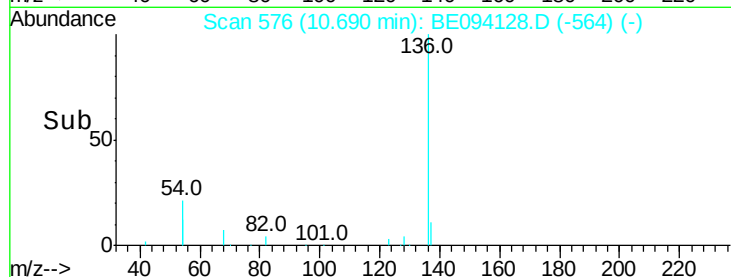


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.291 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

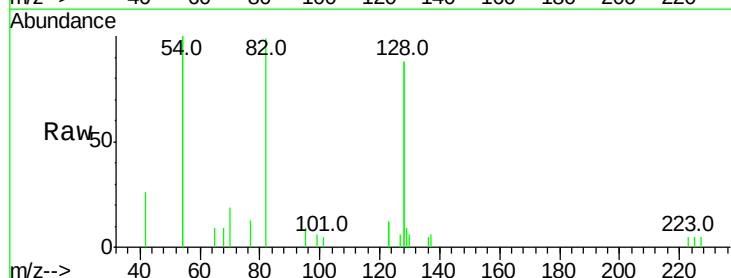
Tgt Ion: 82 Resp: 1841

Ion Ratio Lower Upper

82 100

128 177.2 150.0 225.0

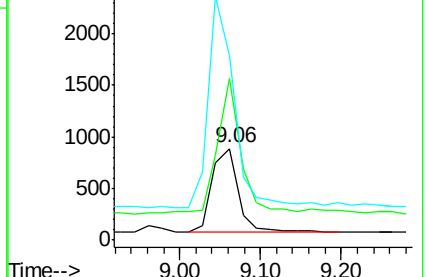
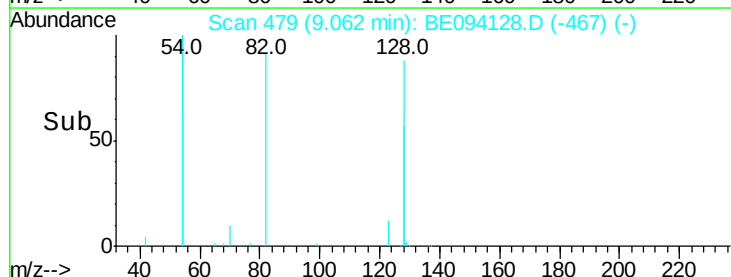
54 201.8 154.2 231.4

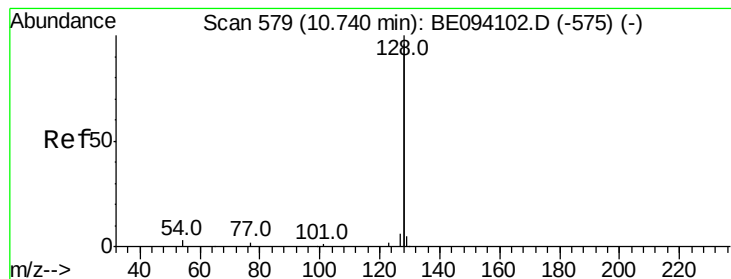


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.284 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094128.D

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ClientSampleId :

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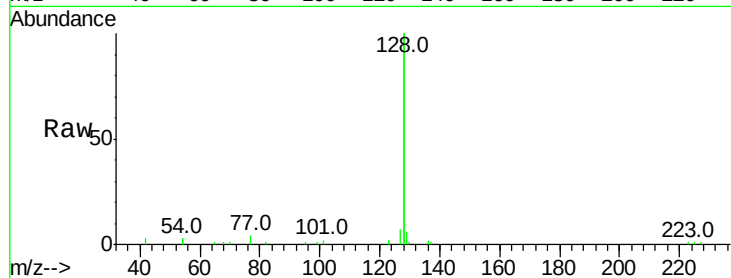
Tot Ion:128 Resp: 20931

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

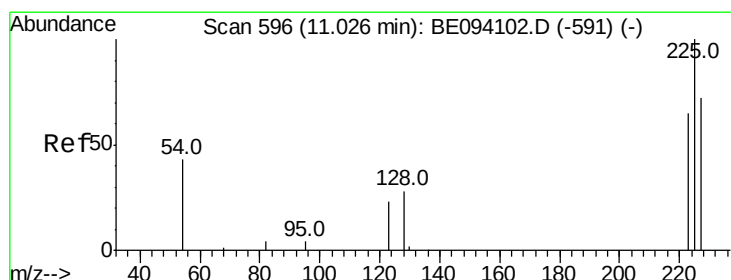
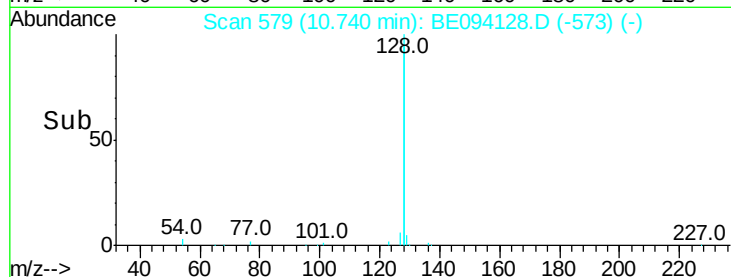
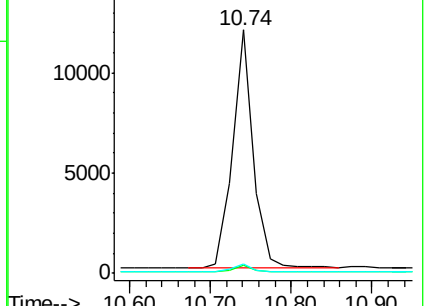
127 3.6 2.8 4.2



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: 0.277 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

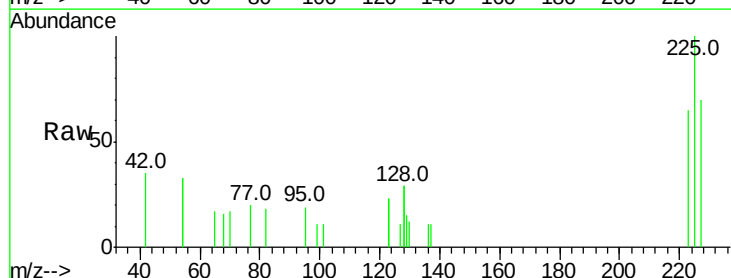
Tgt Ion:225 Resp: 764

Ion Ratio Lower Upper

225 100

223 62.3 53.0 79.6

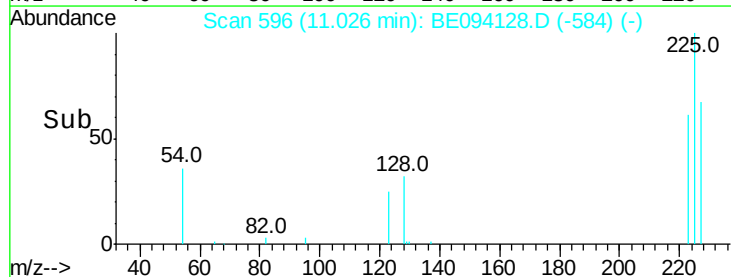
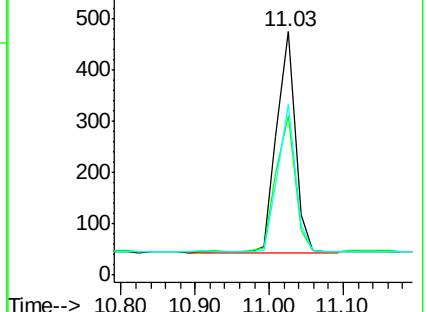
227 63.7 51.4 77.2

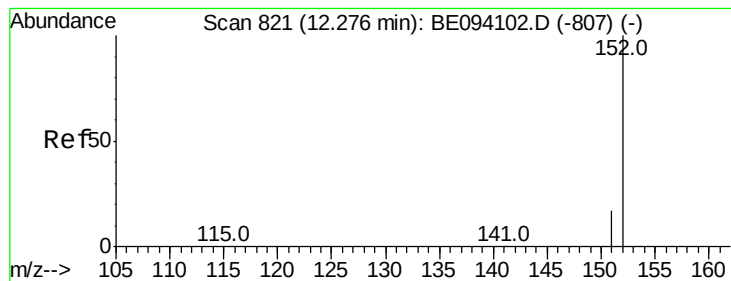


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.334 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

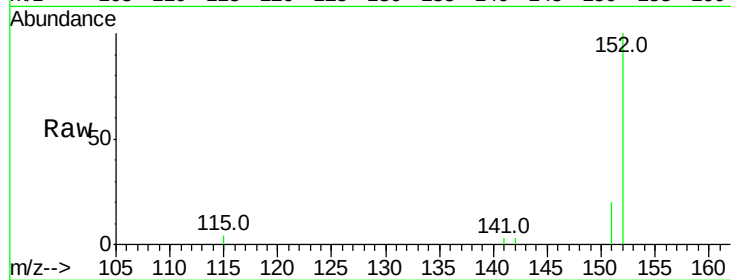
PB102616BS

Tot Ion:152 Resp: 3358

Ion Ratio Lower Upper

152 100

151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2000

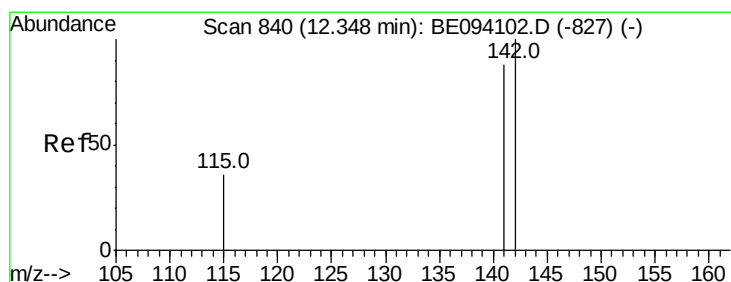
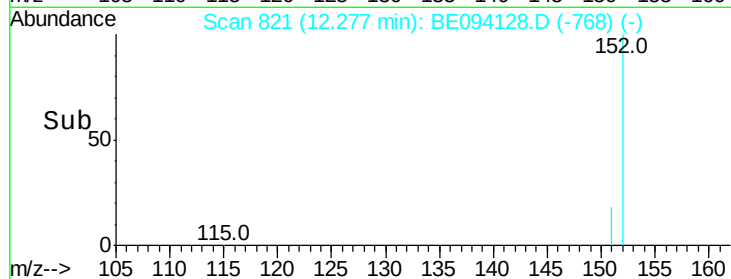
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.290 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

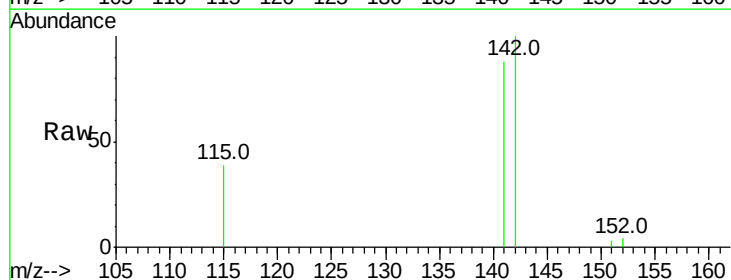
Tgt Ion:142 Resp: 3459

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

115 39.0 31.7 47.5



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

12.35

2500

2000

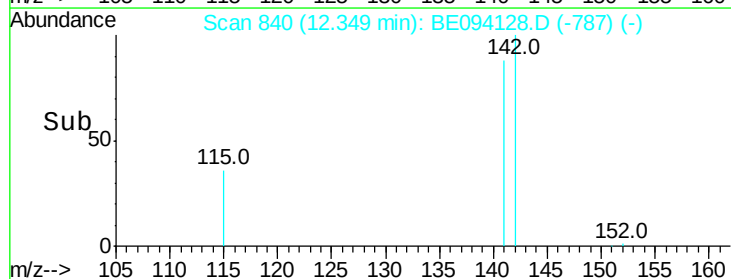
1500

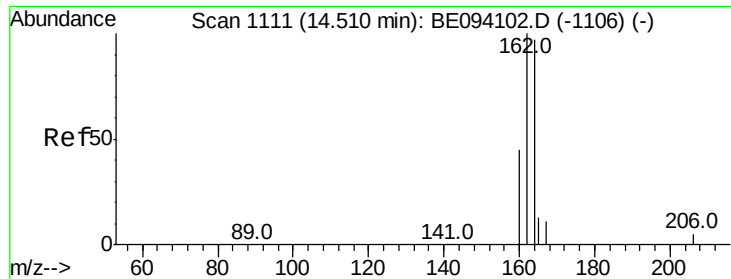
1000

500

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

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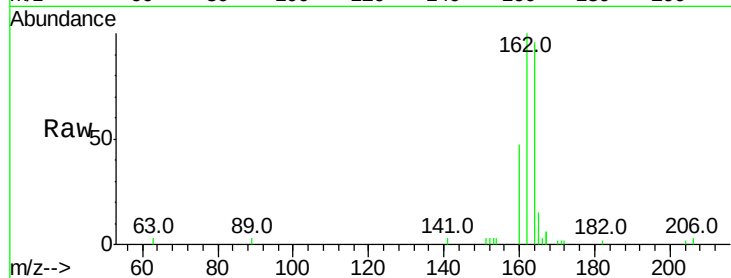
Tot Ion:164 Resp: 3701

Ion Ratio Lower Upper

164 100

162 103.7 83.1 124.7

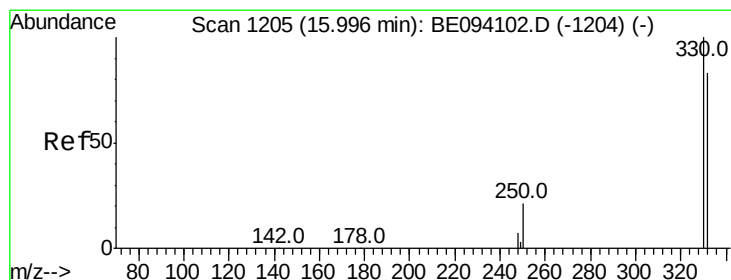
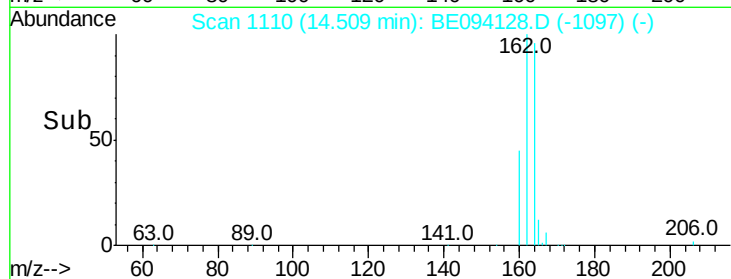
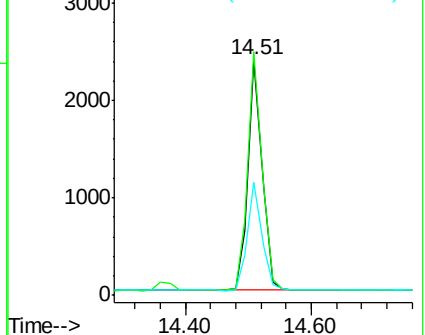
160 48.4 37.1 55.7



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: 0.227 ng

RT: 16.00 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

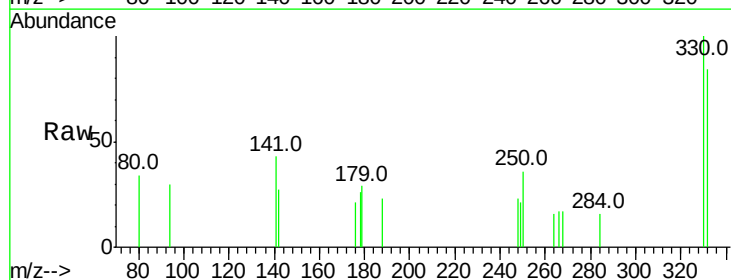
Tgt Ion:330 Resp: 518

Ion Ratio Lower Upper

330 100

332 88.0 152.7 229.1#

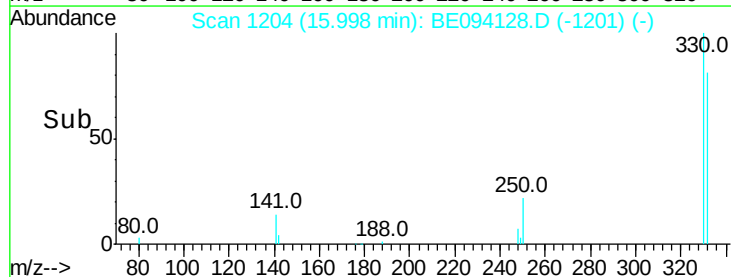
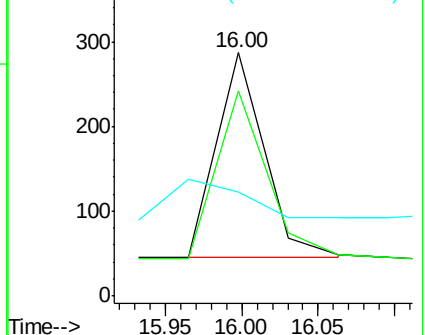
141 0.0 33.7 50.5#

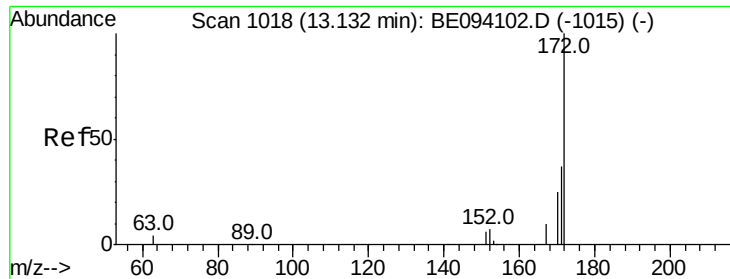


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

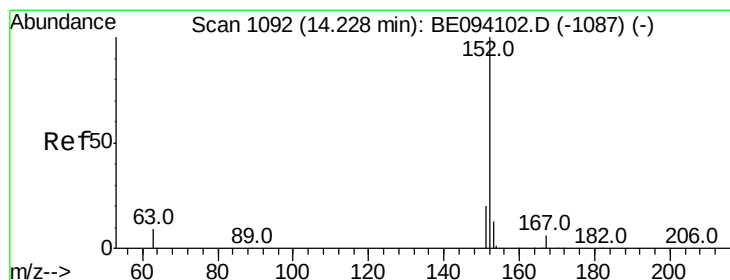
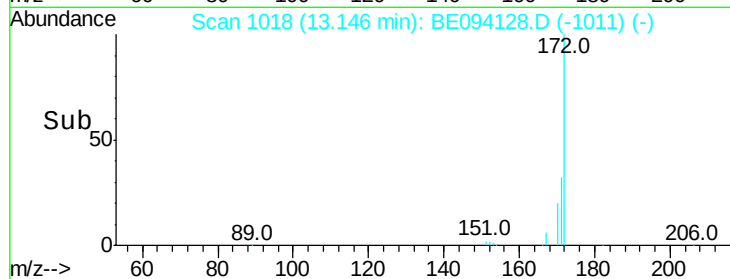
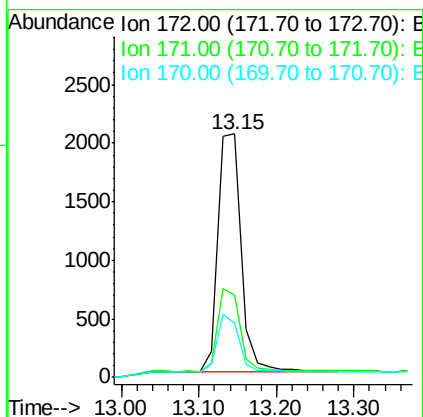
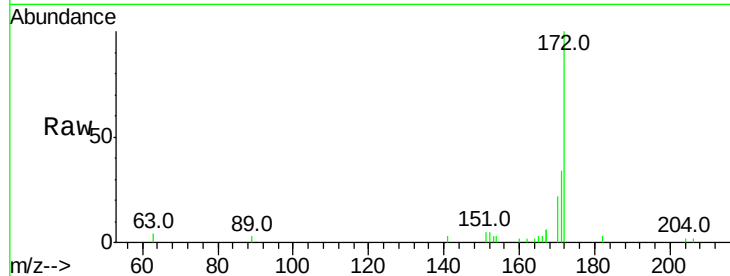




#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.15 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

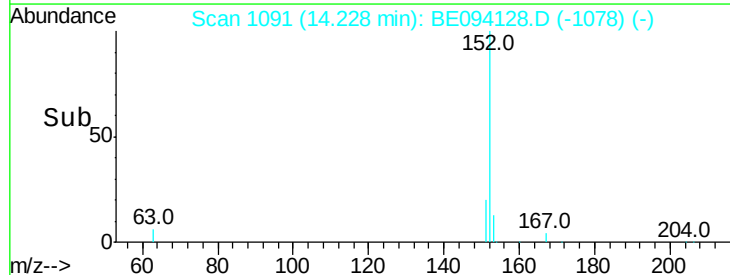
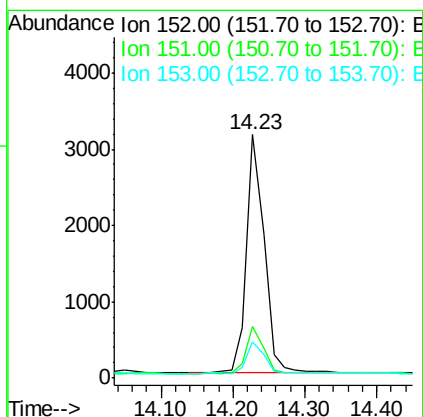
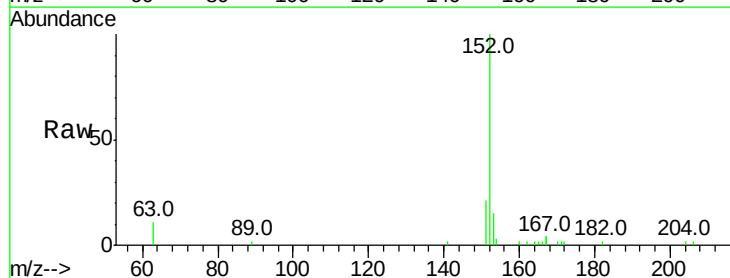
Instrument :
BNA_E
ClientSampleId :
PB102616BS

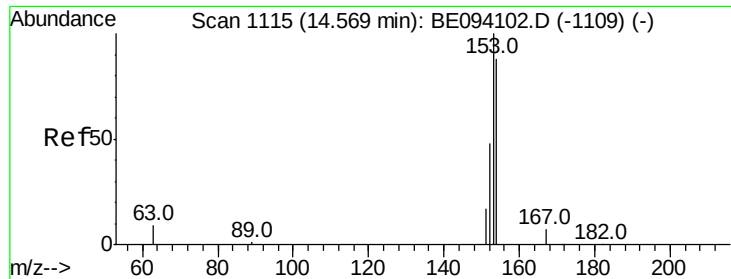
Tot Ion:172 Resp: 4253
Ion Ratio Lower Upper
172 100
171 33.8 29.9 44.9
170 22.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.287 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:152 Resp: 5322
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.5 10.5 15.7





#17

Acenaphthene

Concen: 0.306 ng

RT: 14.57 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

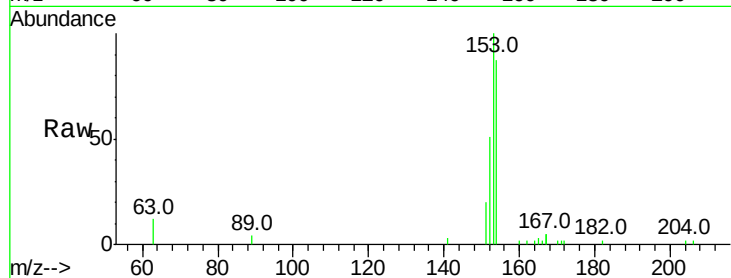
Tot Ion:154 Resp: 3548

Ion Ratio Lower Upper

154 100

153 111.8 89.2 133.8

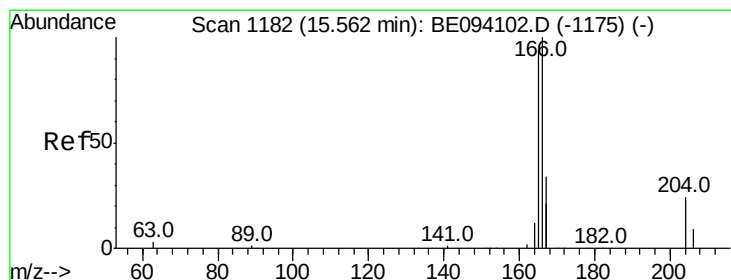
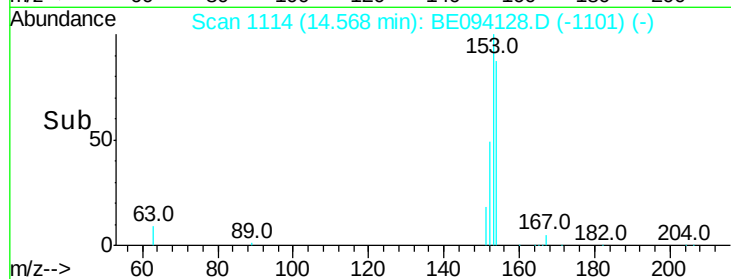
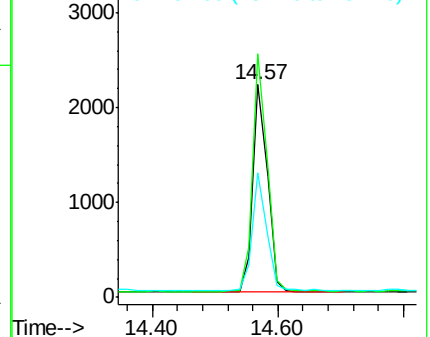
152 53.9 42.0 63.0



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: 0.295 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

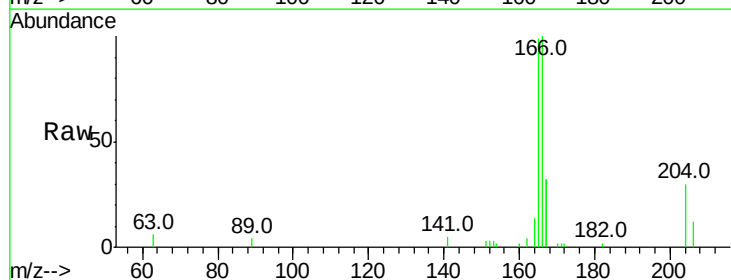
Tgt Ion:166 Resp: 4645

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

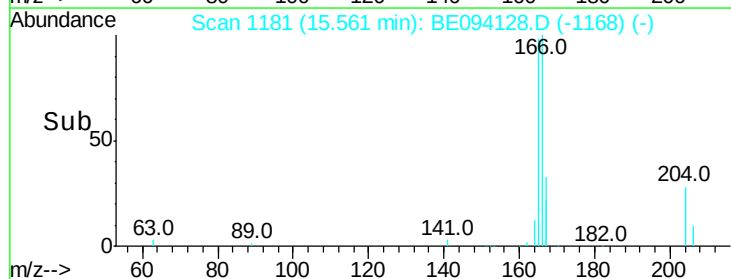
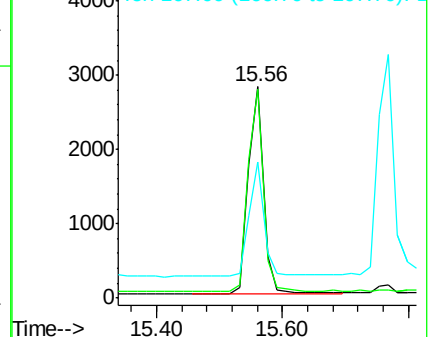
167 53.6 42.4 63.6

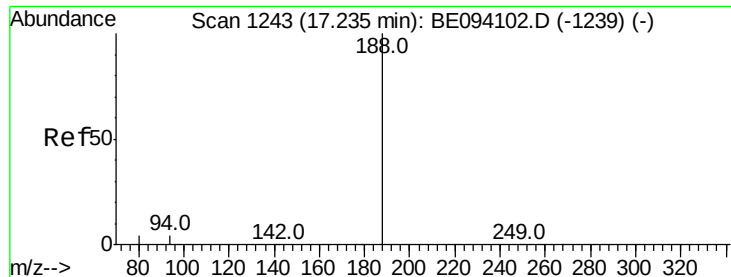


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1242

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

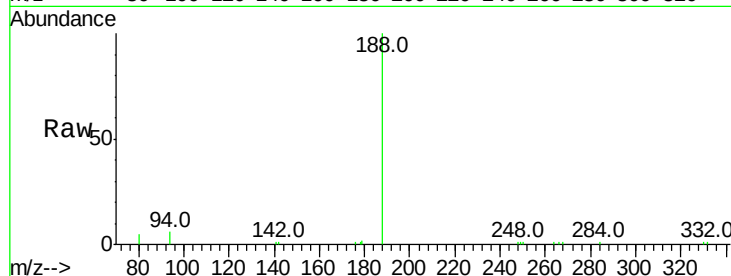
Tot Ion:188 Resp: 13391

Ion Ratio Lower Upper

188 100

94 5.8 3.9 5.9

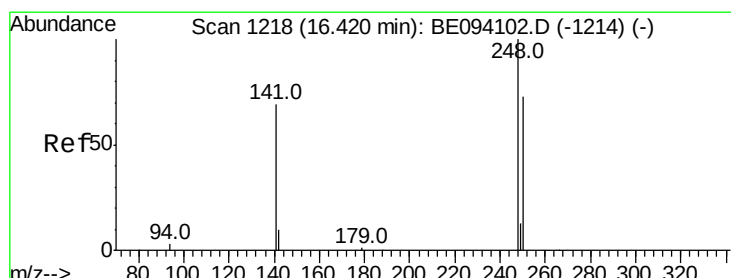
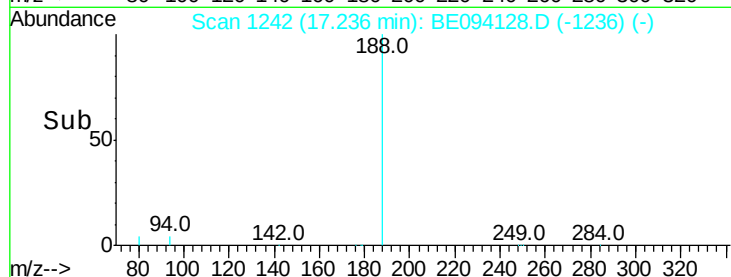
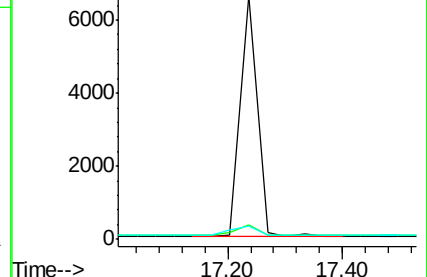
80 5.5 3.6 5.4#



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: 0.299 ng

RT: 16.42 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

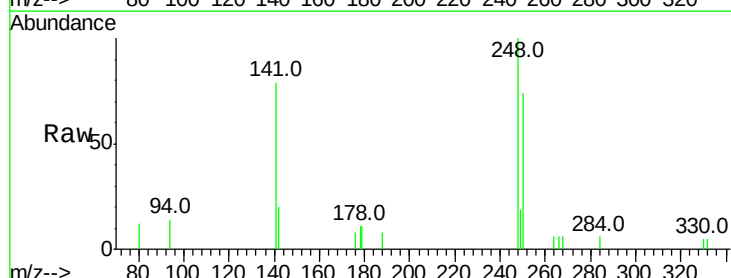
Tgt Ion:248 Resp: 1643

Ion Ratio Lower Upper

248 100

250 73.9 62.7 94.1

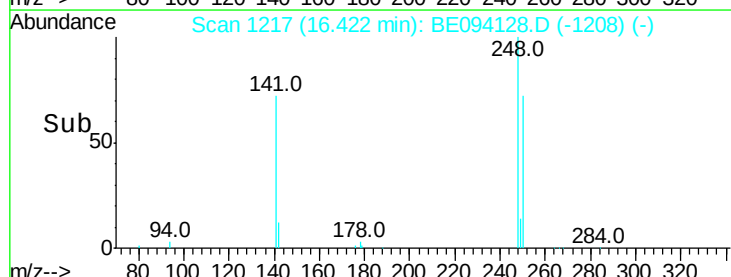
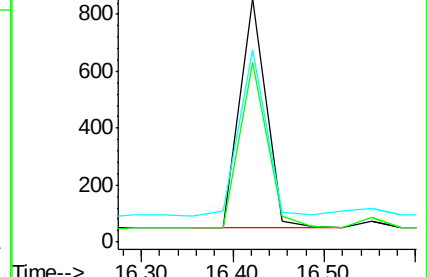
141 79.0 48.2 72.2#

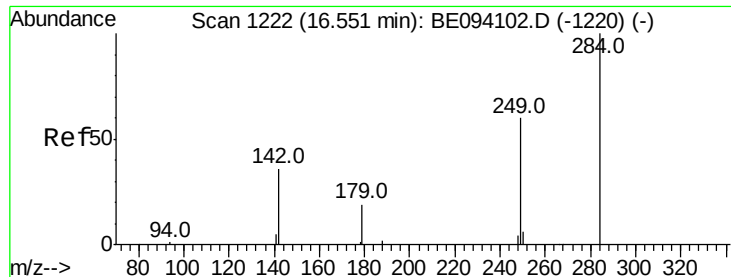


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

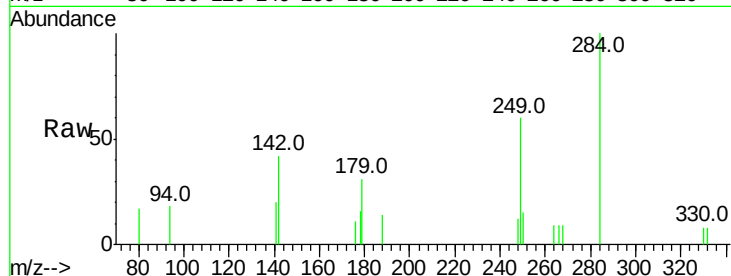




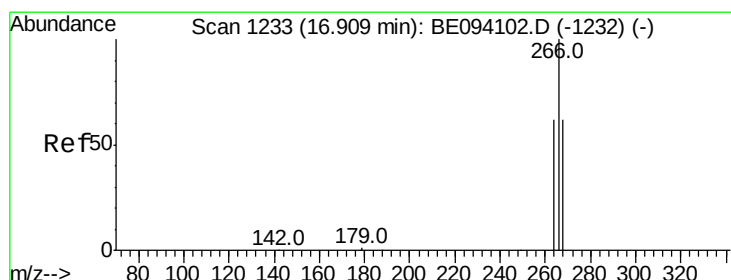
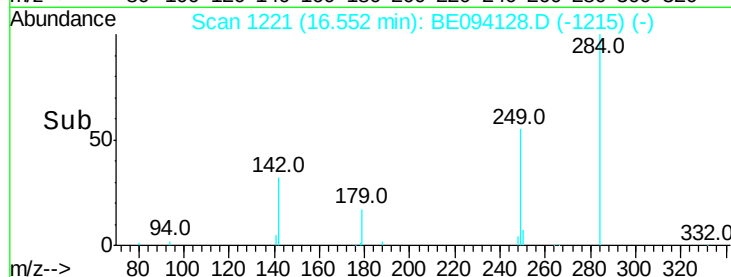
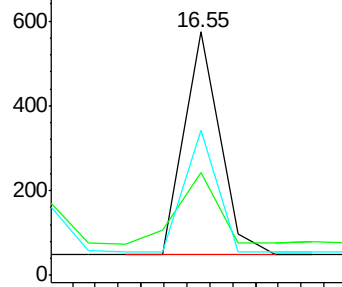
#21
 Hexachlorobenzene
 Concen: 0.326 ng
 RT: 16.55 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: BE094128.D
 Acq: 26 Sep 2017 14:47

Instrument :
 BNA_E
 ClientSampleId :
 PB102616BS

Tot Ion:284	Resp:	1132
Ion Ratio	Lower	Upper
284	100	
142	35.2	22.1 33.1#
249	50.1	34.8 52.2

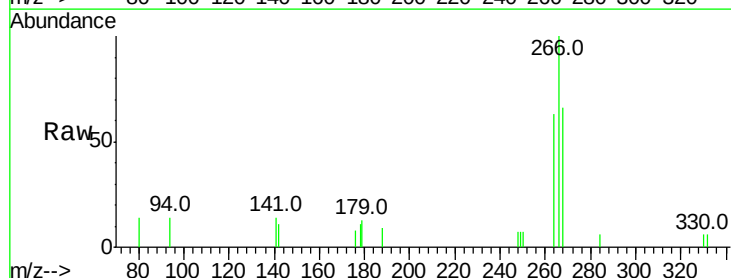


Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

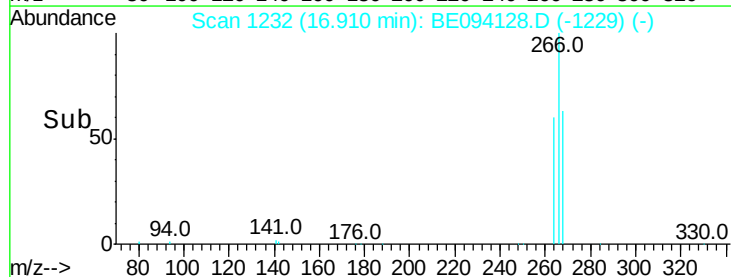
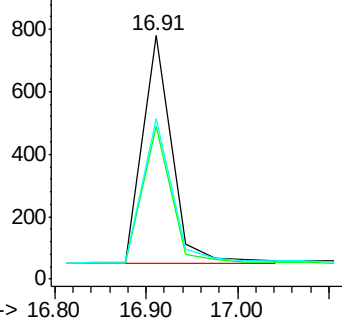


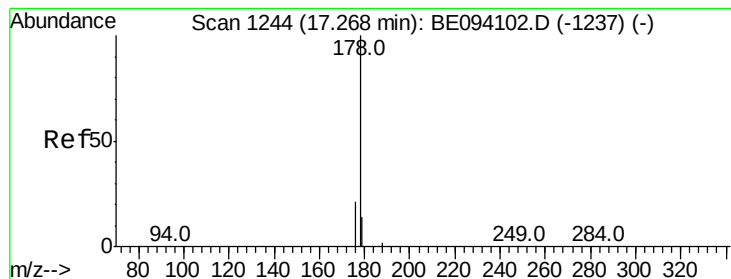
#22
 Pentachlorophenol
 Concen: 0.504 ng
 RT: 16.91 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE094128.D
 Acq: 26 Sep 2017 14:47

Tgt Ion:266	Resp:	1602
Ion Ratio	Lower	Upper
266	100	
264	62.9	72.5 108.7#
268	66.0	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: 0.312 ng

RT: 17.27 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

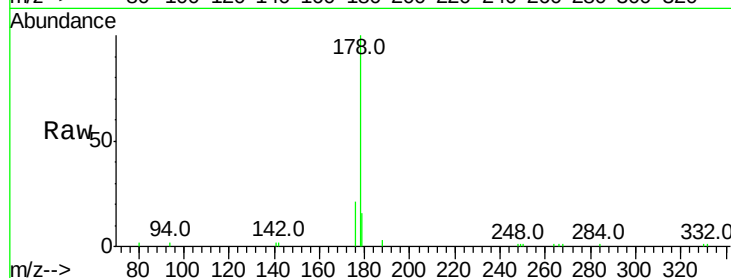
Tot Ion:178 Resp: 10682

Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

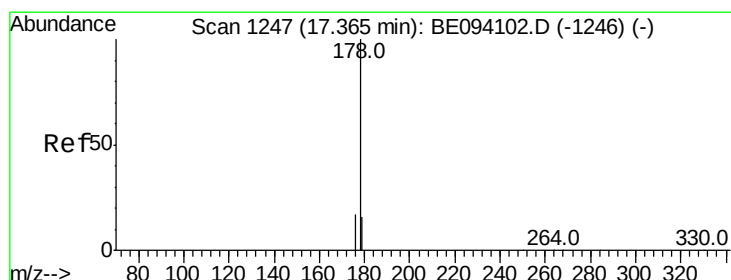
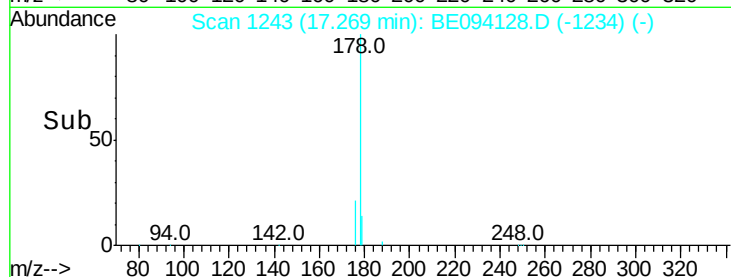
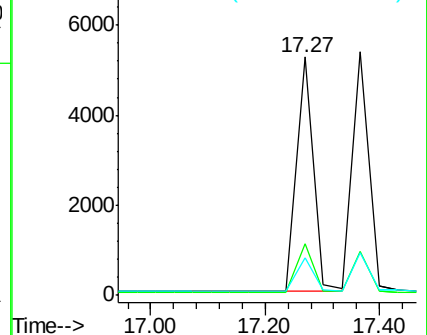
179 14.2 11.8 17.6



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: 0.298 ng

RT: 17.37 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

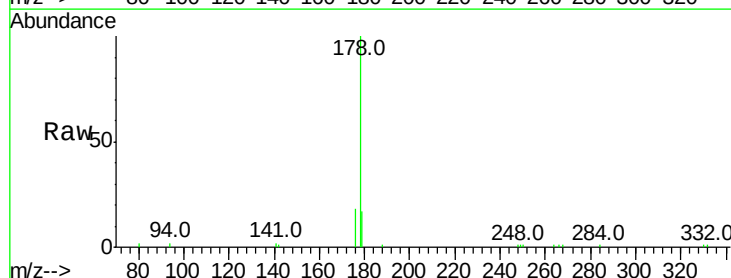
Tgt Ion:178 Resp: 10703

Ion Ratio Lower Upper

178 100

176 17.1 12.8 19.2

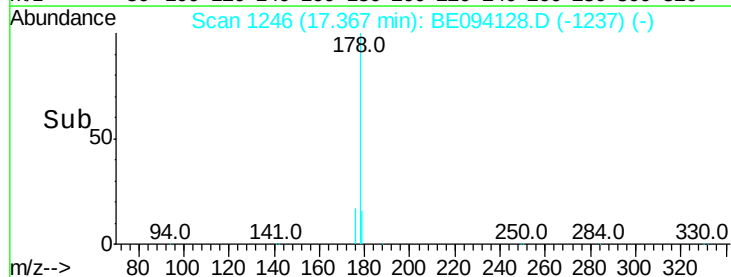
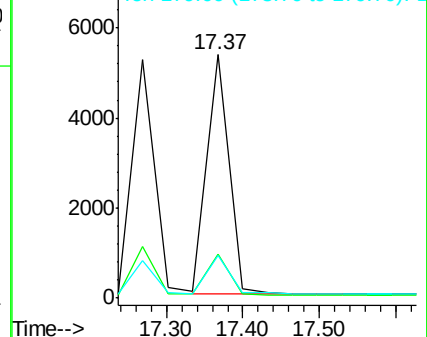
179 16.1 13.0 19.6

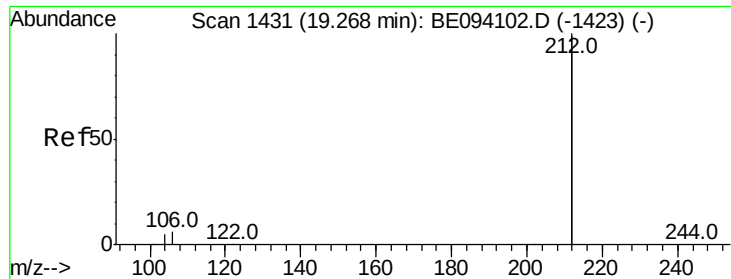


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.27 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

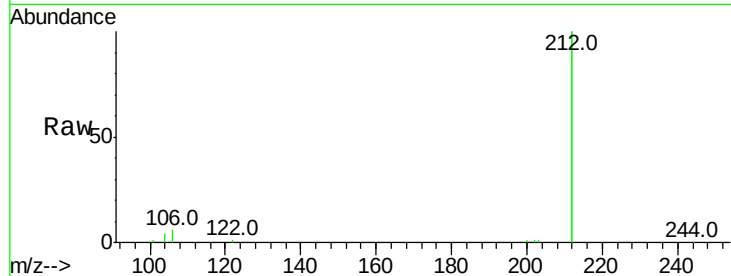
Tot Ion:212 Resp: 46902

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

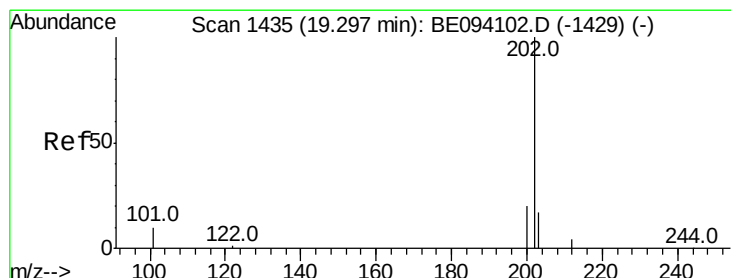
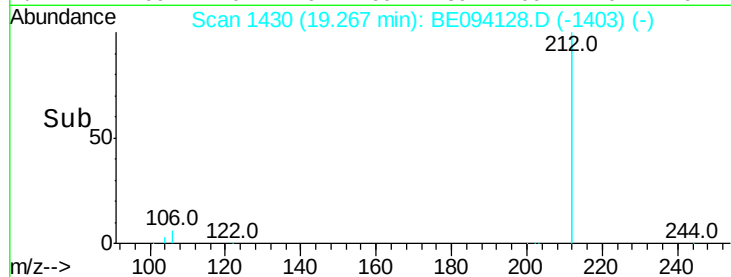
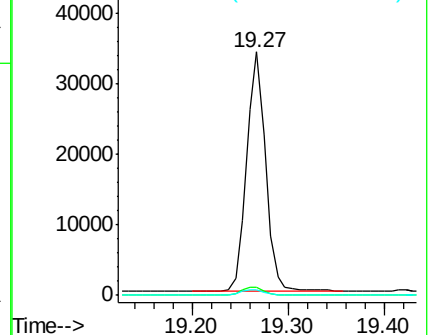
104 2.4 1.6 2.4



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: 0.305 ng

RT: 19.30 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

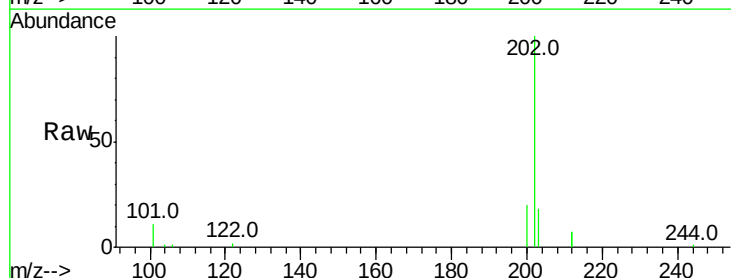
Tgt Ion:202 Resp: 11698

Ion Ratio Lower Upper

202 100

101 12.4 9.8 14.8

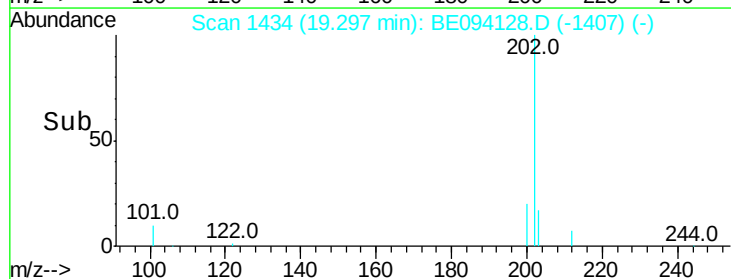
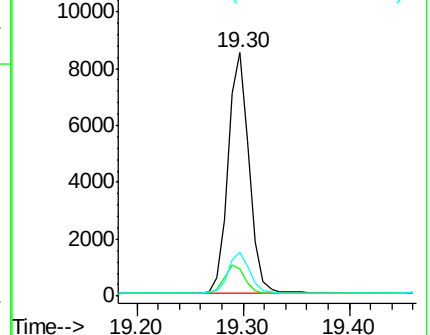
203 17.3 13.7 20.5

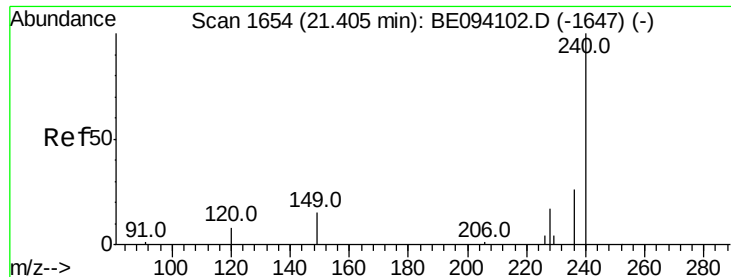


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1653

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

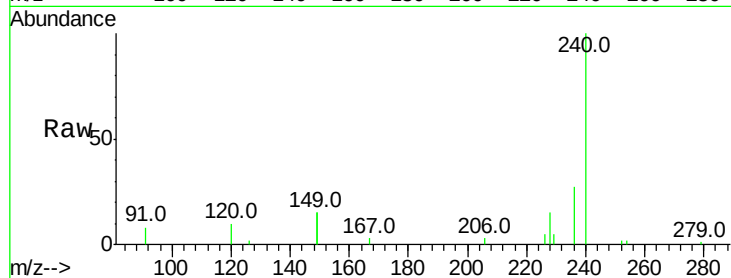
Tot Ion:240 Resp: 13235

Ion Ratio Lower Upper

240 100

120 10.4 5.5 8.3#

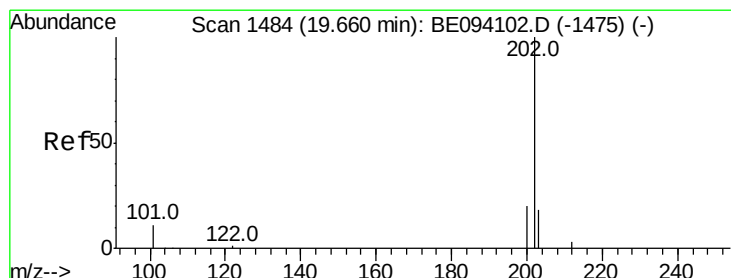
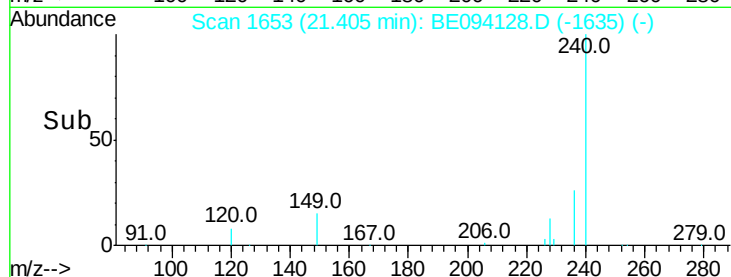
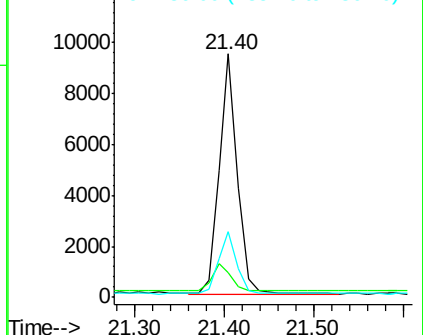
236 27.2 20.7 31.1



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: 0.296 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

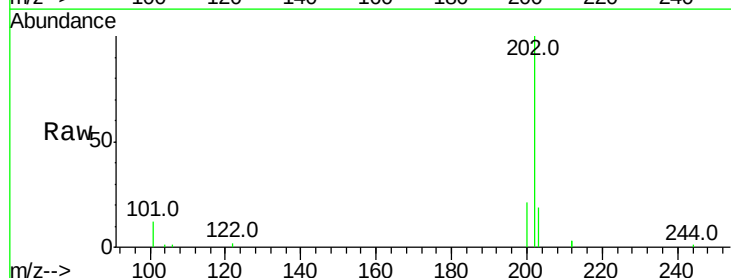
Tgt Ion:202 Resp: 12411

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

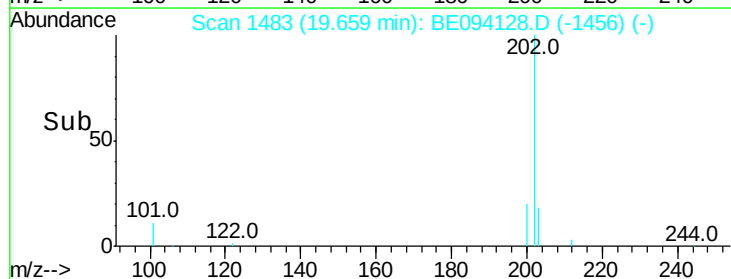
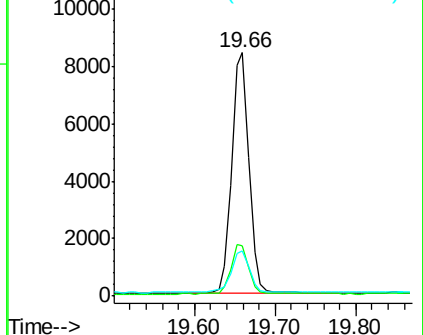
203 18.6 13.8 20.8

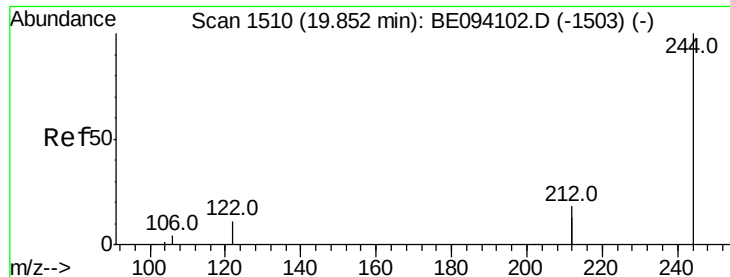


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 19.85 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

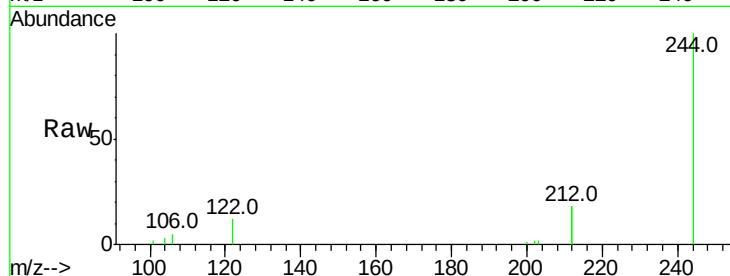
Tot Ion:244 Resp: 8046

Ion Ratio Lower Upper

244 100

212 35.6 25.4 38.0

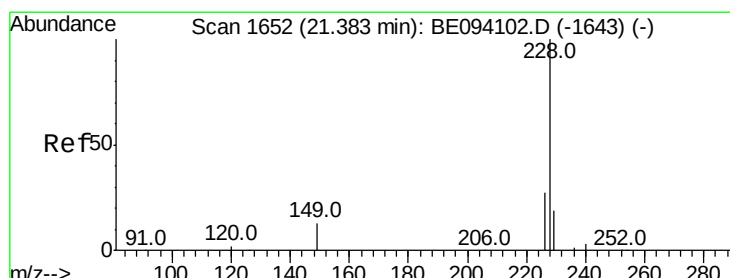
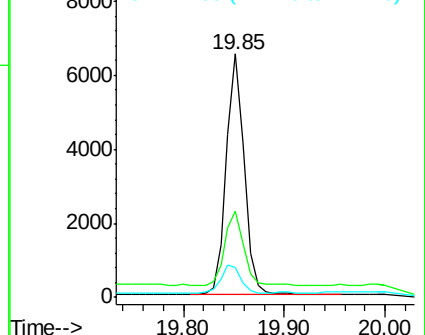
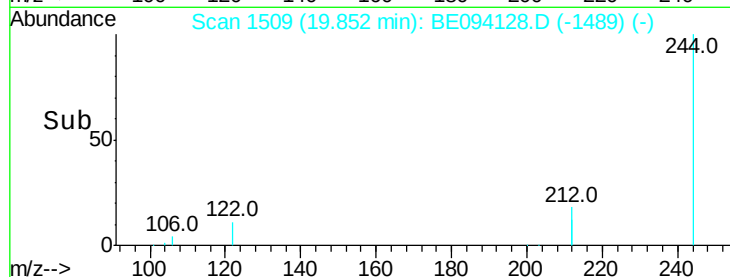
122 12.2 8.1 12.1#



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: 0.305 ng

RT: 21.38 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

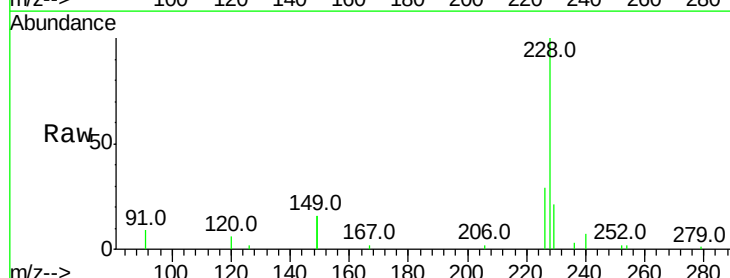
Tgt Ion:228 Resp: 13596

Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.0

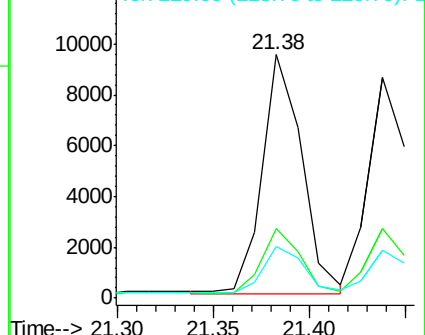
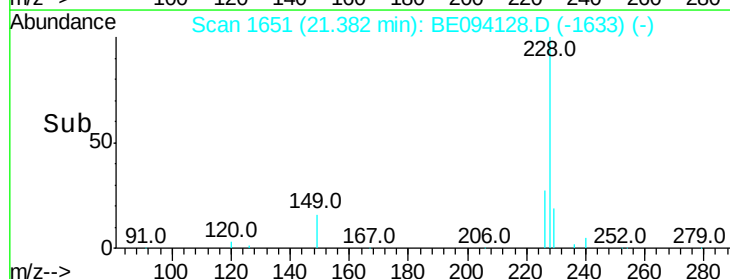
229 21.1 16.4 24.6

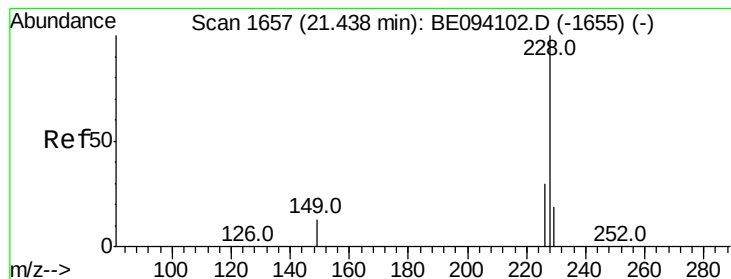


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.282 ng

RT: 21.44 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

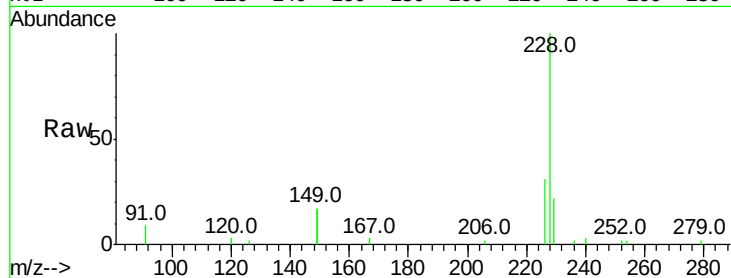
Tot Ion:228 Resp: 12123

Ion Ratio Lower Upper

228 100

226 31.5 23.6 35.4

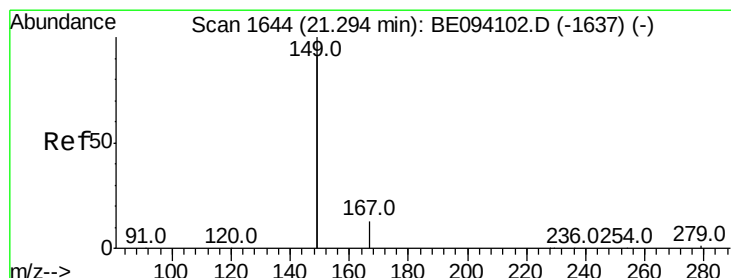
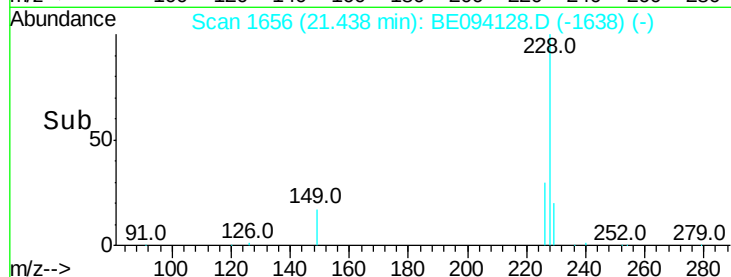
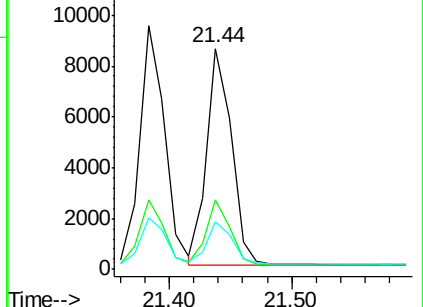
229 21.7 16.4 24.6



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: 0.444 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

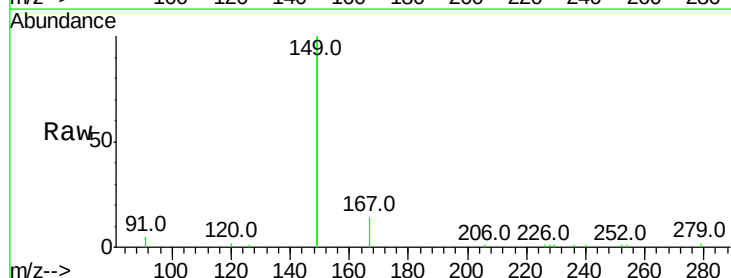
Tgt Ion:149 Resp: 74219

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

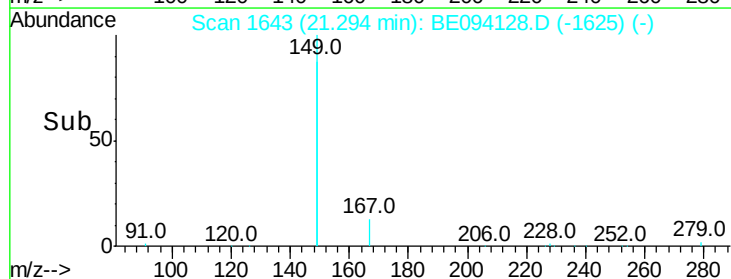
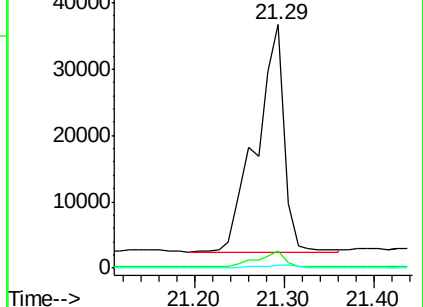
279 0.8 0.7 1.1

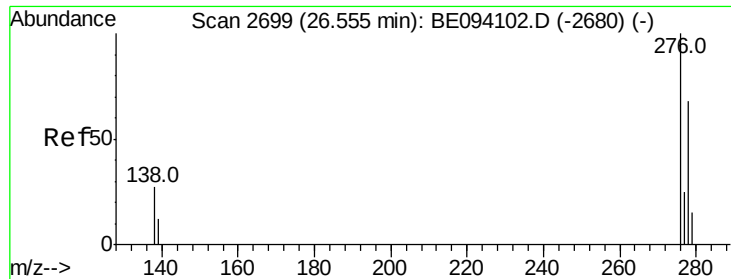


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.289 ng

RT: 26.56 min Scan# 2698

Delta R.T. 0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

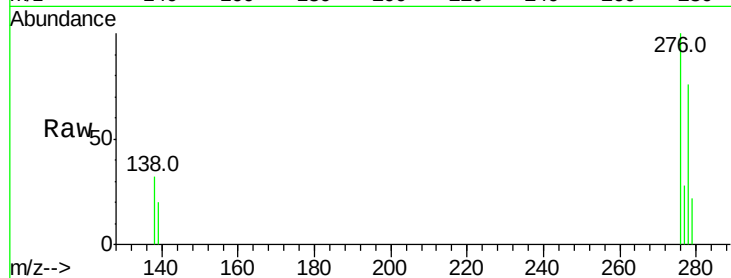
Tot Ion:276 Resp: 13304

Ion Ratio Lower Upper

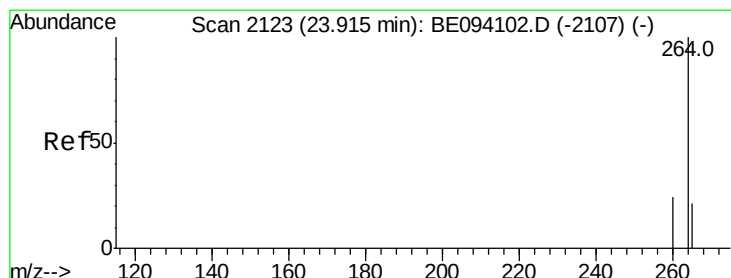
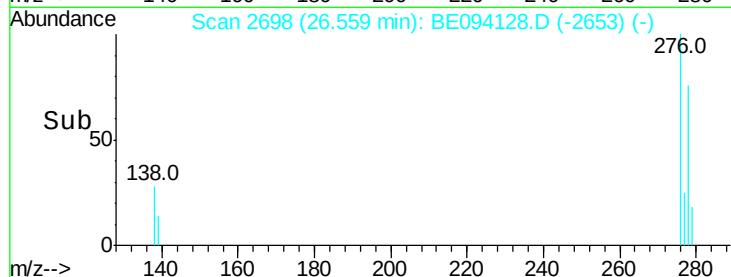
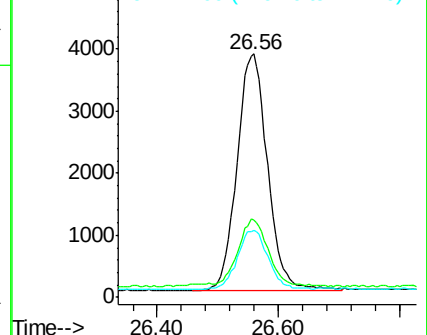
276 100

138 27.2 22.5 33.7

277 24.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

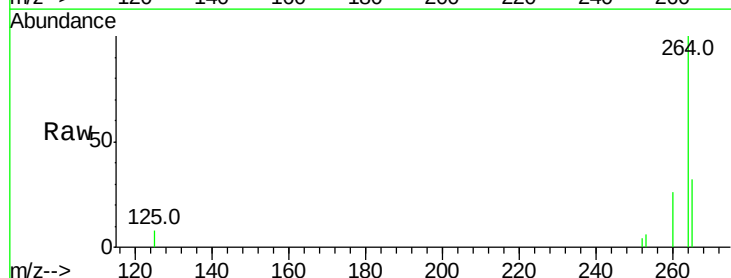
Tgt Ion:264 Resp: 12648

Ion Ratio Lower Upper

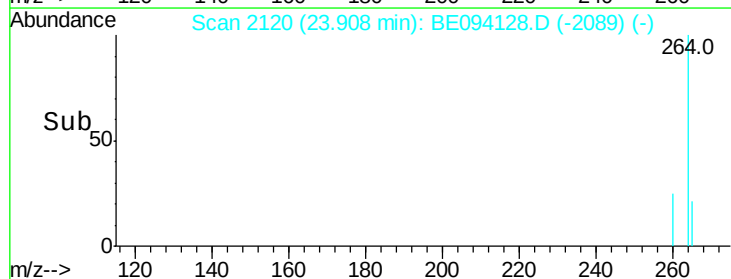
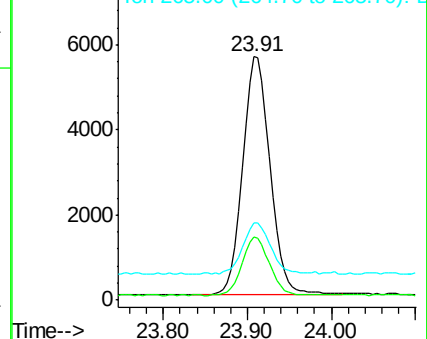
264 100

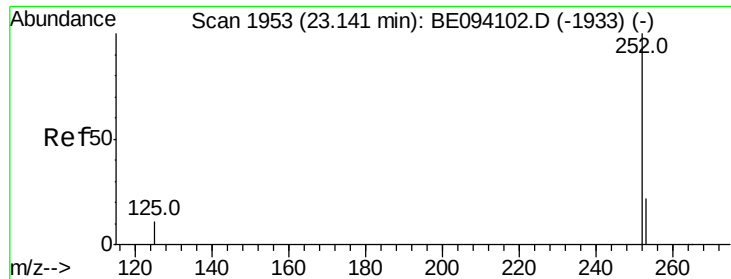
260 26.2 20.5 30.7

265 31.5 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

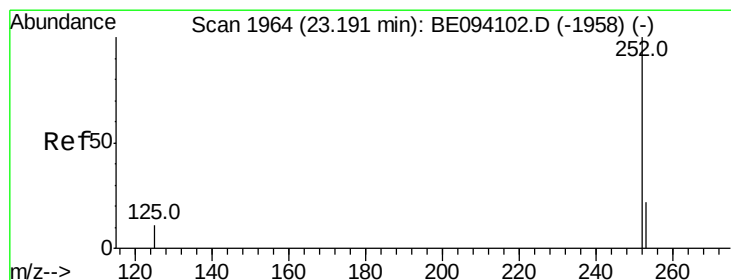
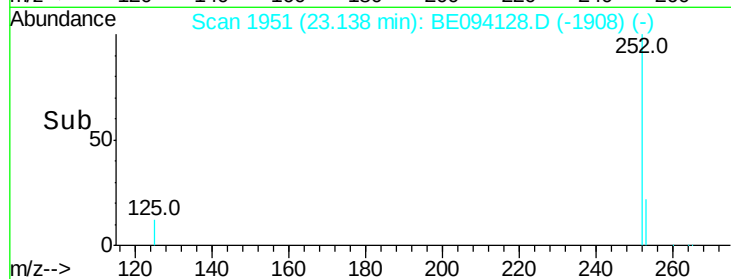
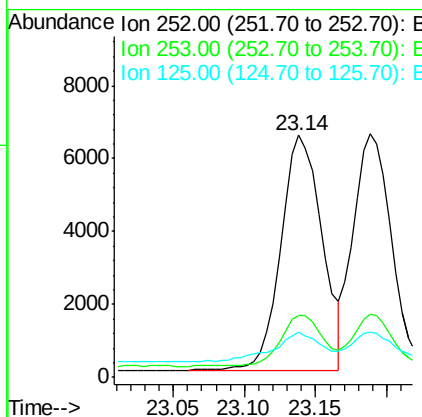
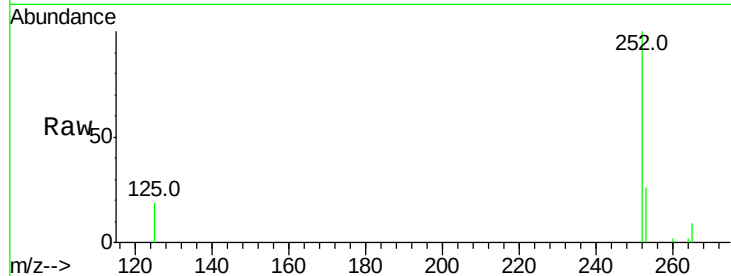




#35
Benzo(b)fluoranthene
Concen: 0.281 ng
RT: 23.14 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

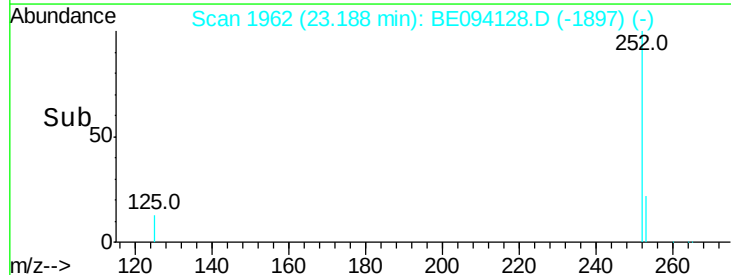
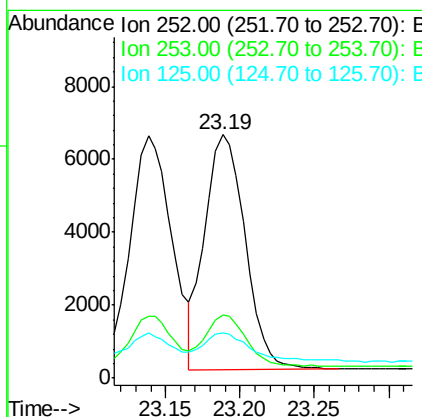
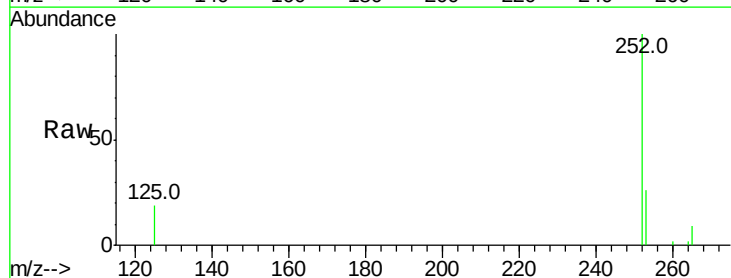
Instrument :
BNA_E
ClientSampleId :
PB102616BS

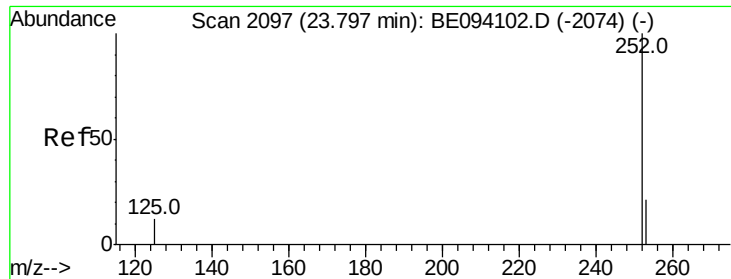
Tot Ion:252 Resp: 12818
Ion Ratio Lower Upper
252 100
253 25.7 18.2 27.2
125 18.6 10.1 15.1#



#36
Benzo(k)fluoranthene
Concen: 0.278 ng
RT: 23.19 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:252 Resp: 12158
Ion Ratio Lower Upper
252 100
253 25.8 18.6 27.8
125 18.7 10.7 16.1#





#37

Benzo(a)pyrene

Concen: 0.292 ng

RT: 23.79 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS

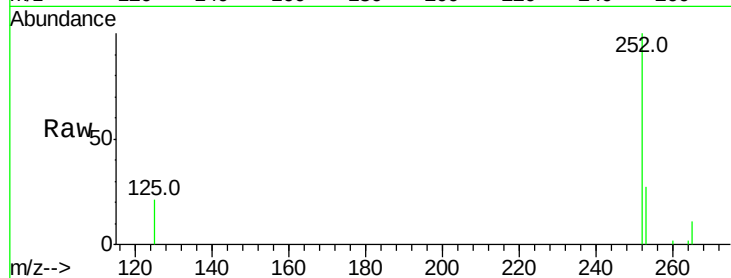
Tot Ion:252 Resp: 12026

Ion Ratio Lower Upper

252 100

253 26.5 19.0 28.6

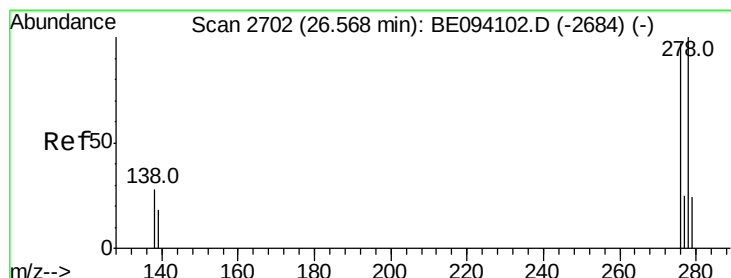
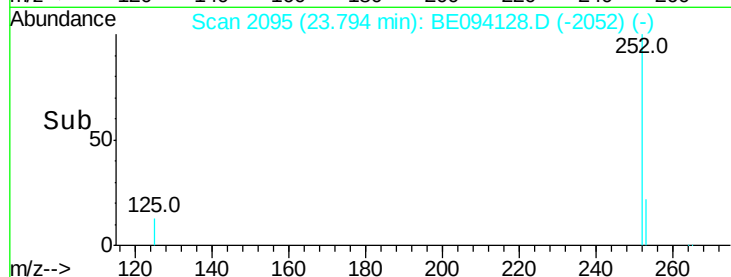
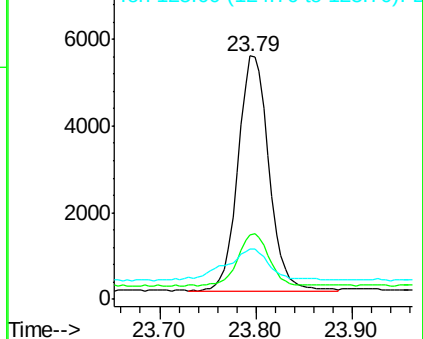
125 20.6 11.8 17.8#



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: 0.285 ng

RT: 26.57 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE094128.D

Acq: 26 Sep 2017 14:47

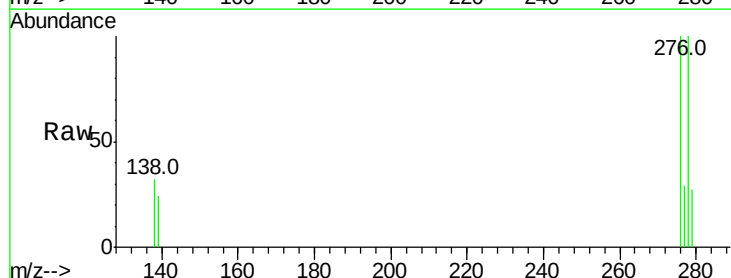
Tgt Ion:278 Resp: 11143

Ion Ratio Lower Upper

278 100

139 23.7 16.3 24.5

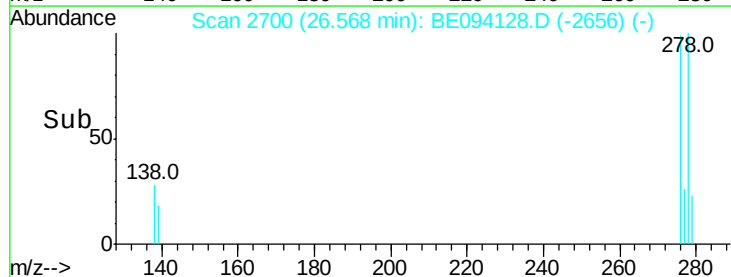
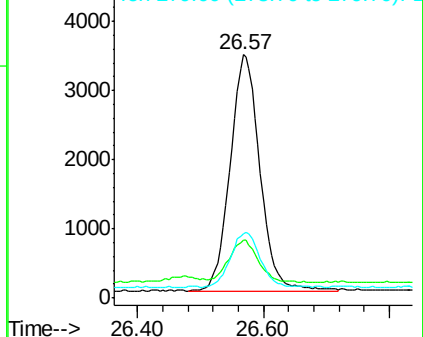
279 26.7 19.9 29.9

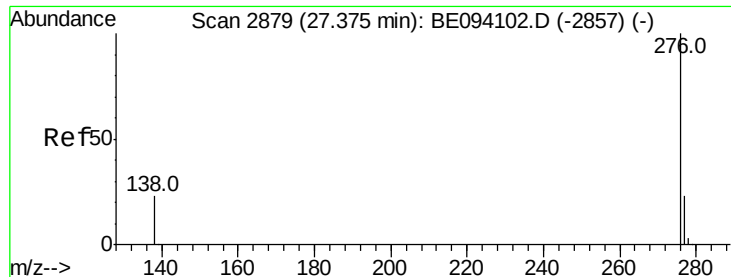


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.290 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BE094128.D

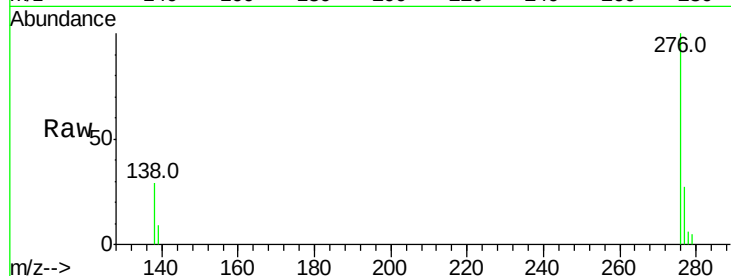
Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

PB102616BS



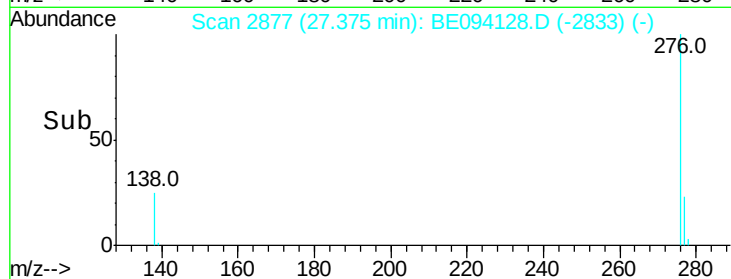
Tot Ion:276 Resp: 11229

Ion Ratio Lower Upper

276 100

277 26.9 20.8 31.2

138 29.4 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

