

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 :

Quant Time: Sep 26 15:50:34 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

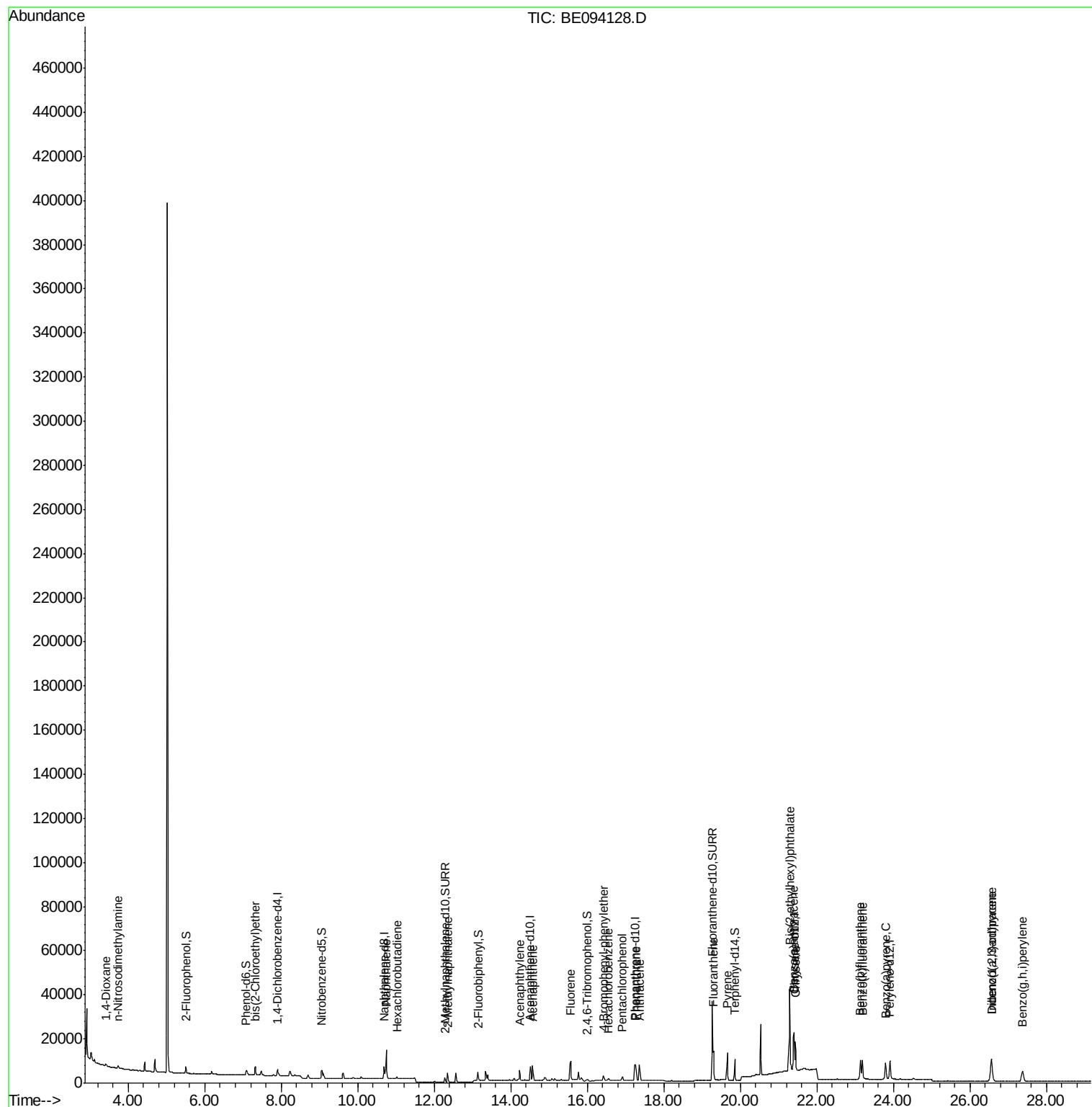
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	758	0.274	ng	# 6
3) n-Nitrosodimethylamine	3.73	42	1013	0.286	ng	# 79
6) bis(2-Chloroethyl)ether	7.33	93	1576	0.272	ng	98
9) Naphthalene	10.74	128	20931	0.284	ng	100
10) Hexachlorobutadiene	11.03	225	764	0.277	ng	97
12) 2-Methylnaphthalene	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

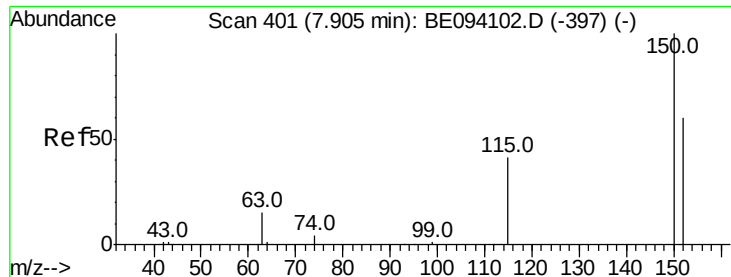
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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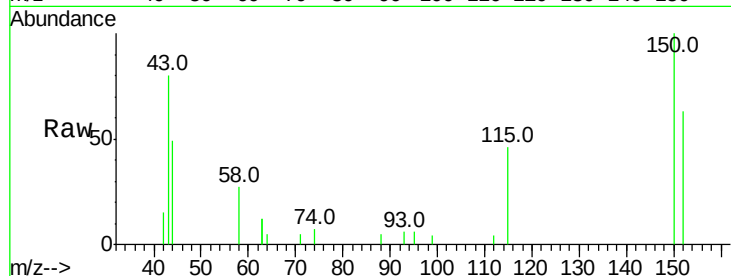


#1

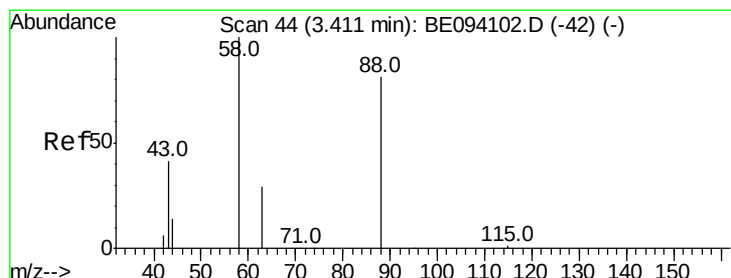
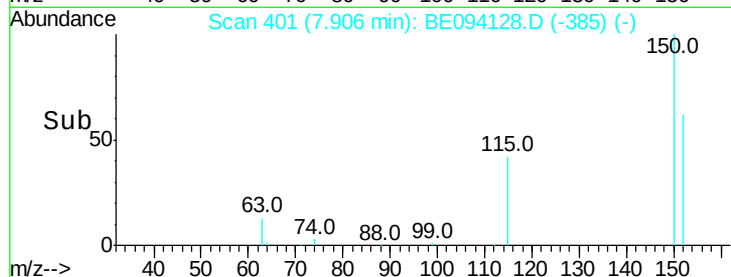
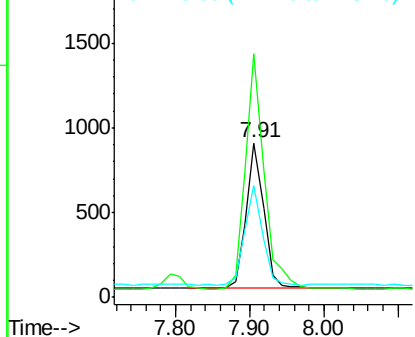
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :

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



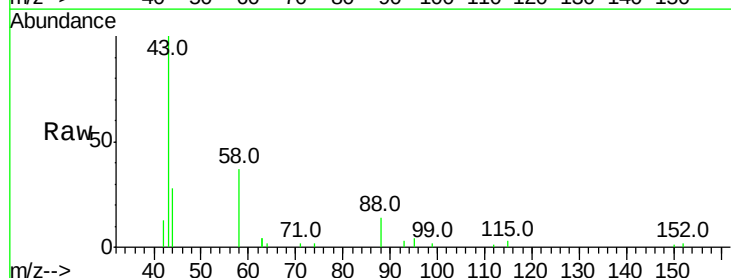
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



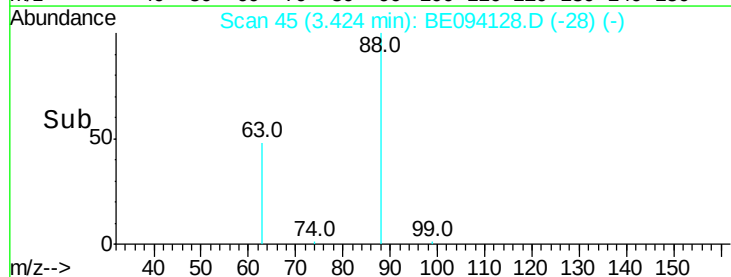
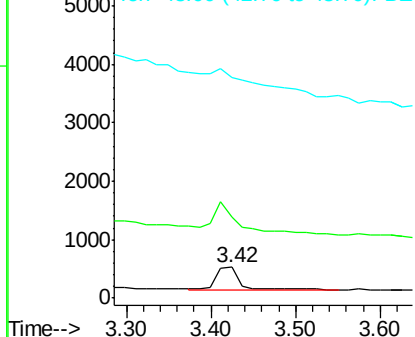
#2

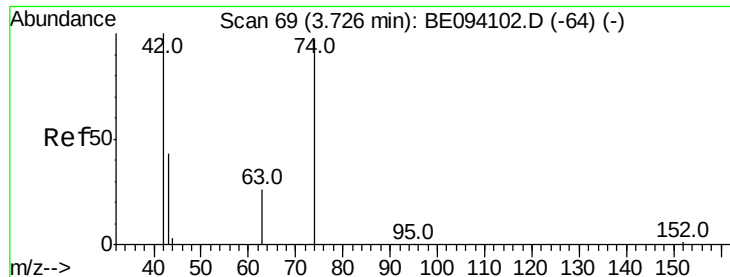
1,4-Dioxane
Concen: 0.274 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

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



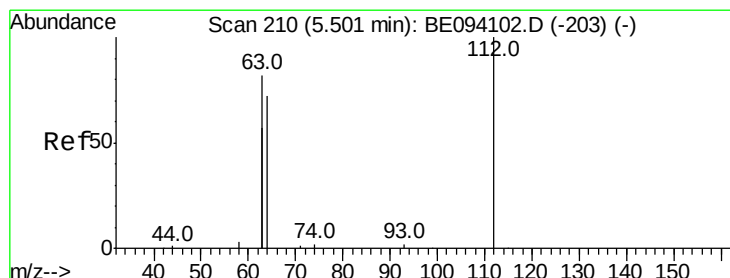
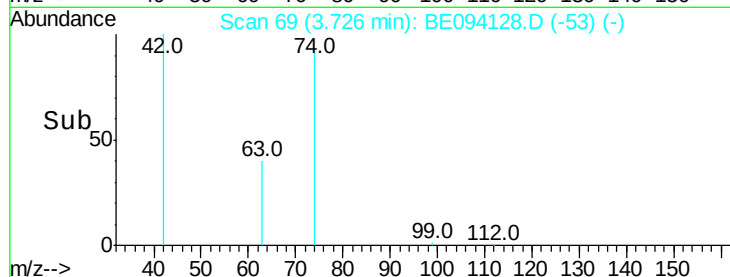
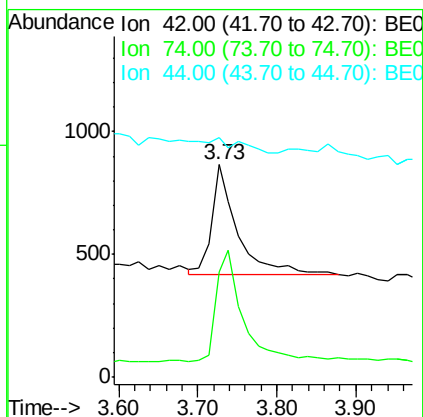
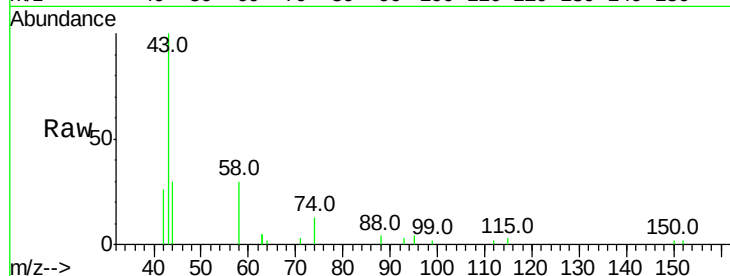


#3

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
 ClientSampled :

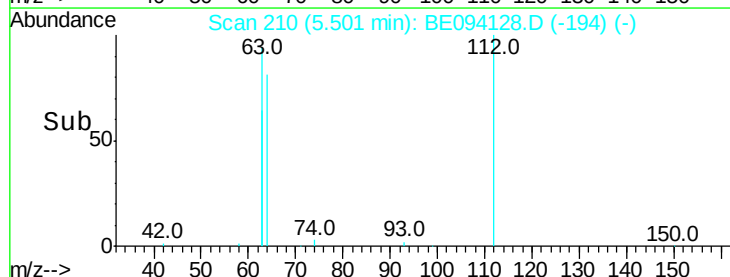
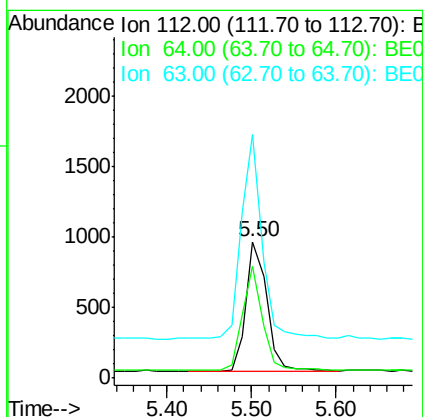
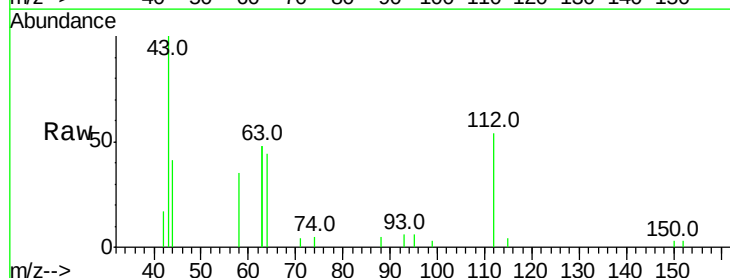
Tot Ion: 42 Resp: 1013
 Ion Ratio Lower Upper
 42 100
 74 105.6 100.3 150.5
 44 0.0 17.0 25.4#

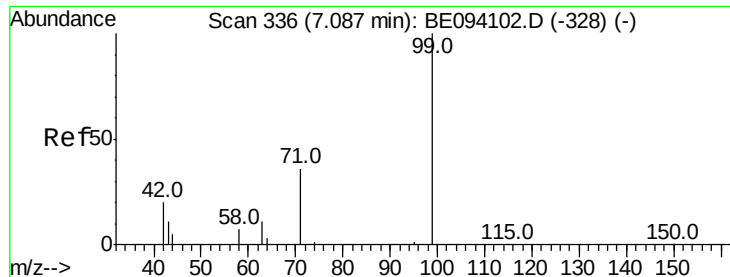


#4

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





#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 :

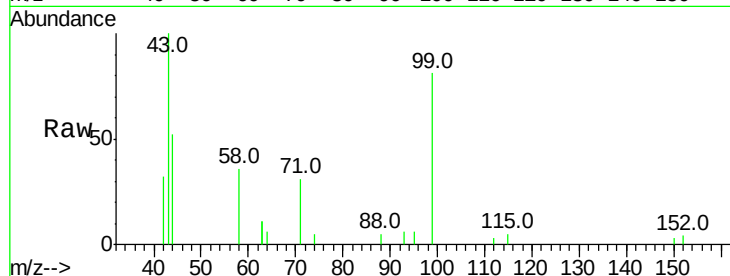
Tot Ion: 99 Resp: 2180

Ion Ratio Lower Upper

99 100

42 21.6 20.2 30.2

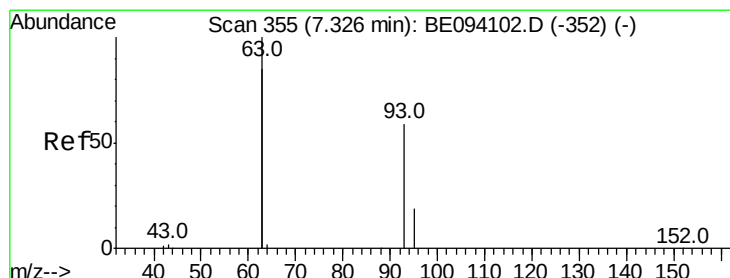
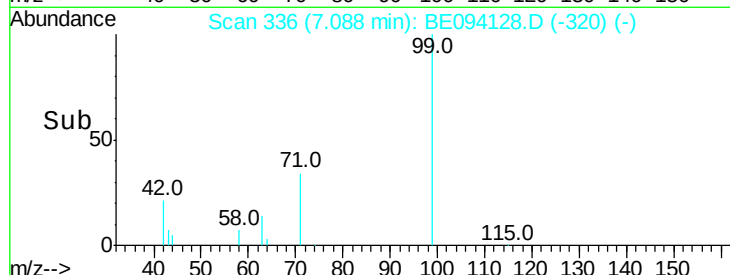
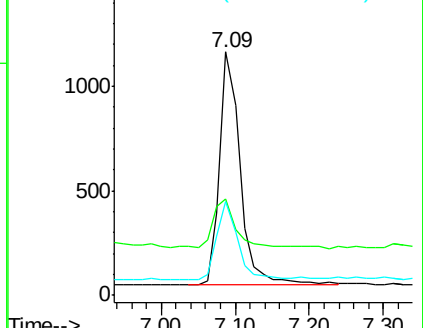
71 34.7 28.4 42.6



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

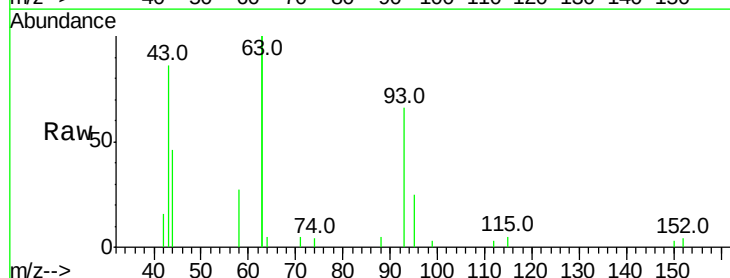
Tgt Ion: 93 Resp: 1576

Ion Ratio Lower Upper

93 100

63 348.7 275.3 412.9

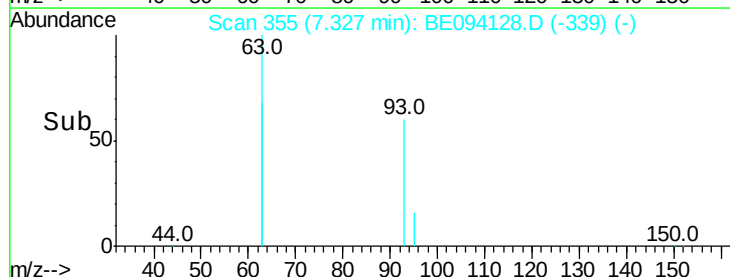
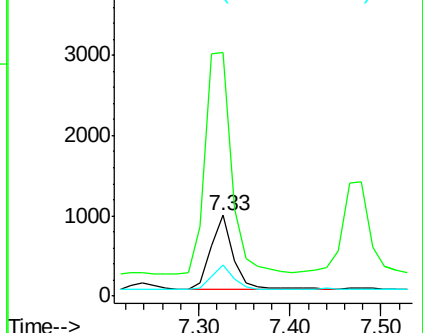
95 31.4 25.2 37.8

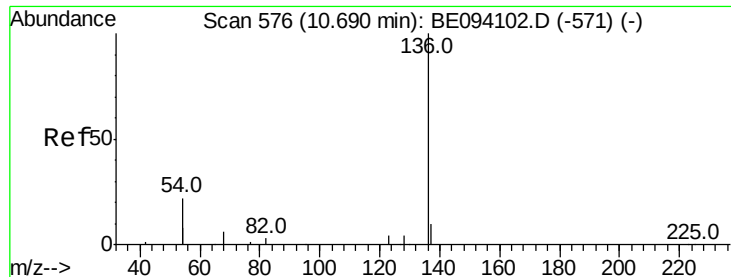


Abundance Ion 93.00 (92.70 to 93.70): BE0

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 :

Tot Ion:136 Resp: 6527

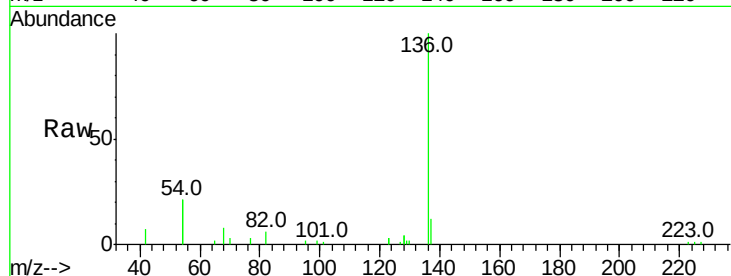
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 42.2 29.1 43.7

68 8.5 6.2 9.2

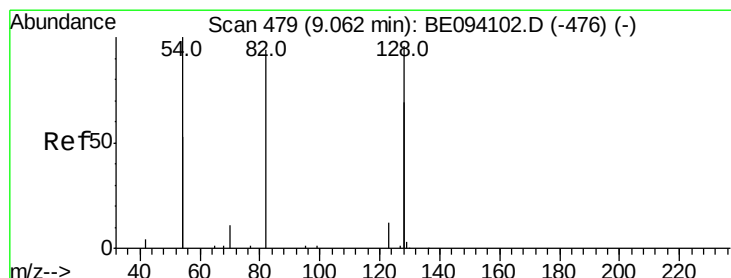
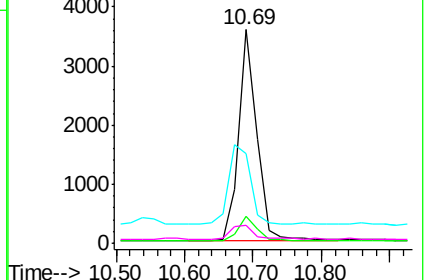
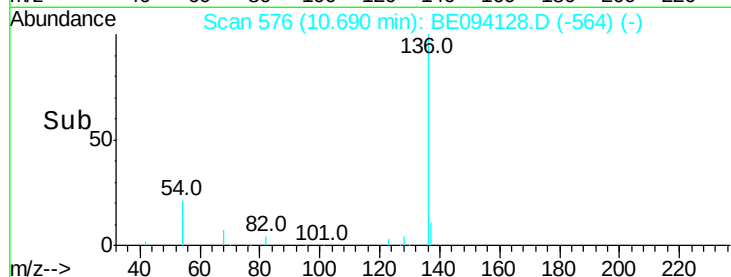


Abundance Ion 136.00 (135.70 to 136.70): E

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

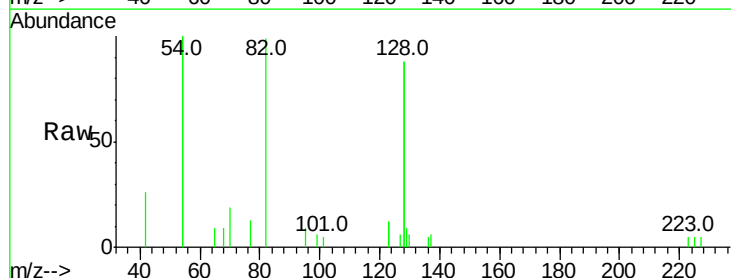
Tgt Ion: 82 Resp: 1841

Ion Ratio Lower Upper

82 100

128 177.2 150.0 225.0

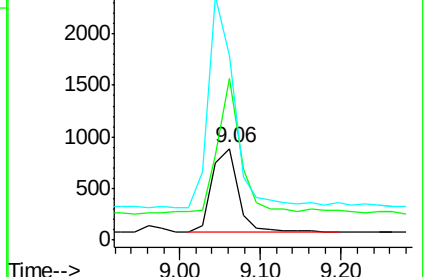
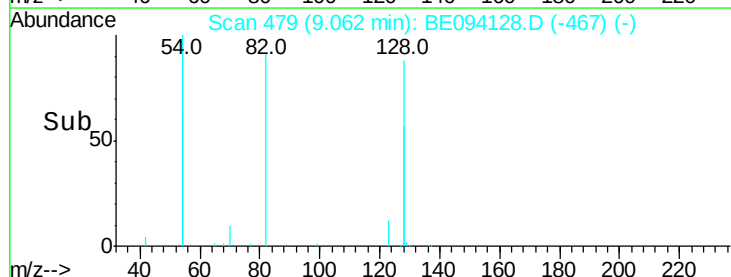
54 201.8 154.2 231.4

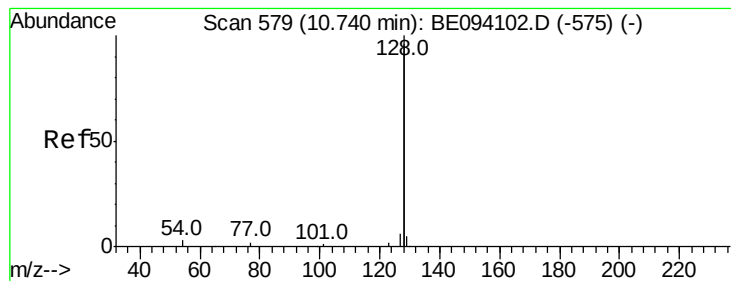


Abundance Ion 82.00 (81.70 to 82.70): BE0

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

Acq: 26 Sep 2017 14:47

Instrument :

BNA_E

ClientSampleId :

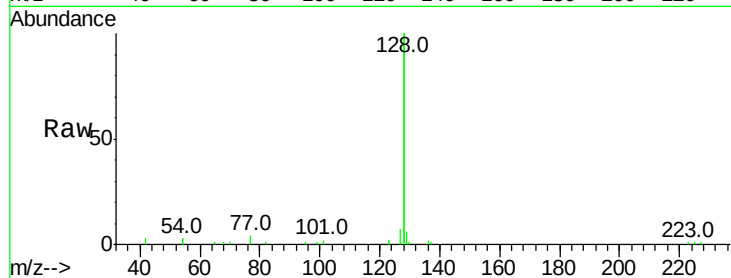
Tot Ion:128 Resp: 20931

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

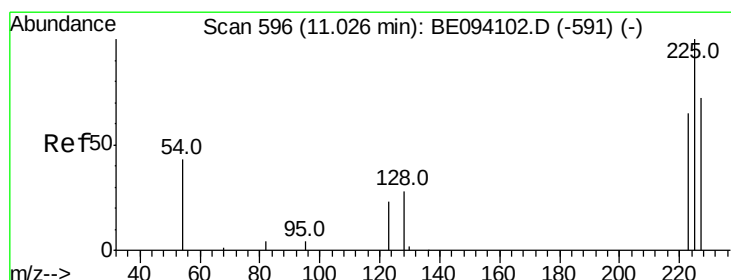
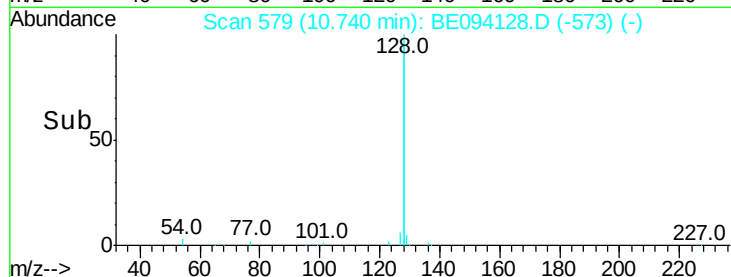
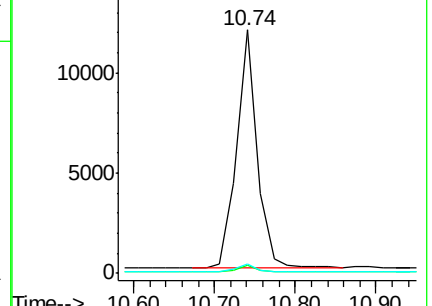
127 3.6 2.8 4.2



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

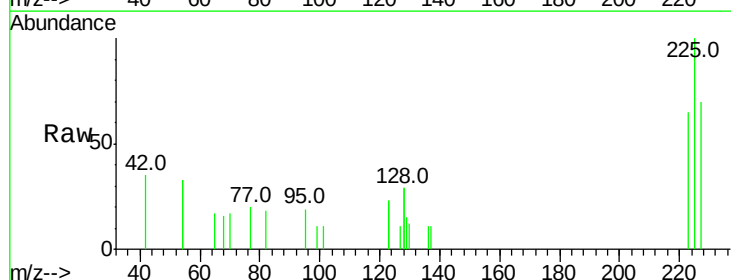
Tgt Ion:225 Resp: 764

Ion Ratio Lower Upper

225 100

223 62.3 53.0 79.6

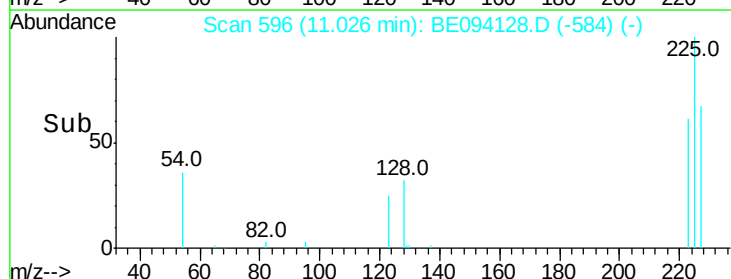
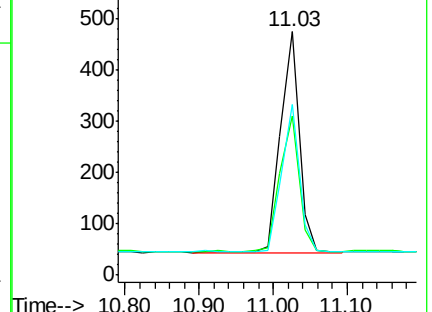
227 63.7 51.4 77.2

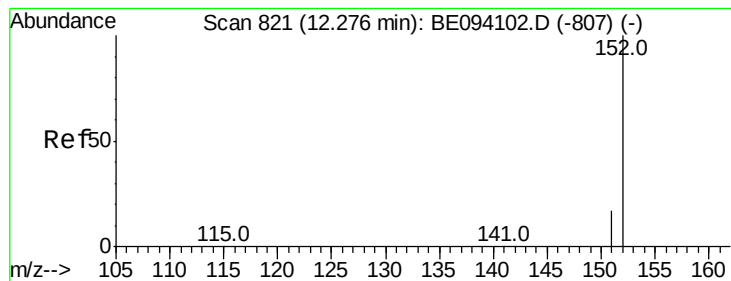


Abundance Ion 225.00 (224.70 to 225.70): E

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

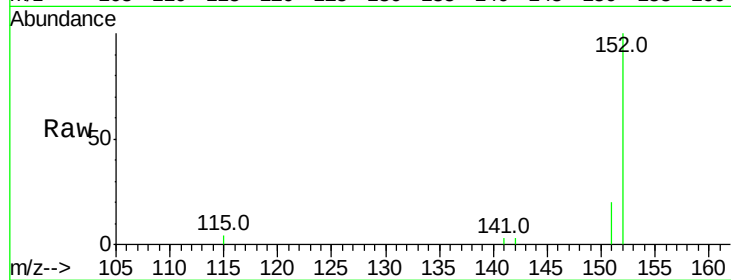
ClientSampleId :

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

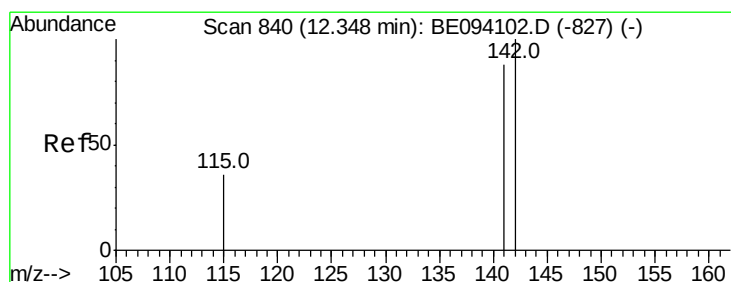
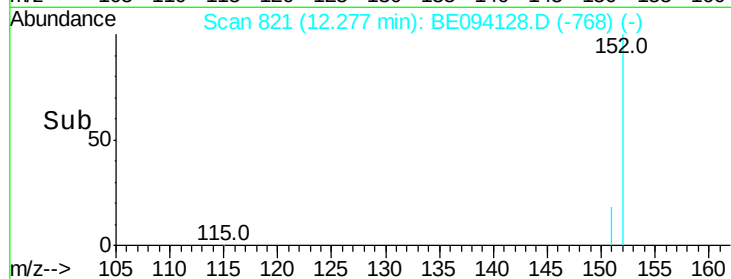
1500

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

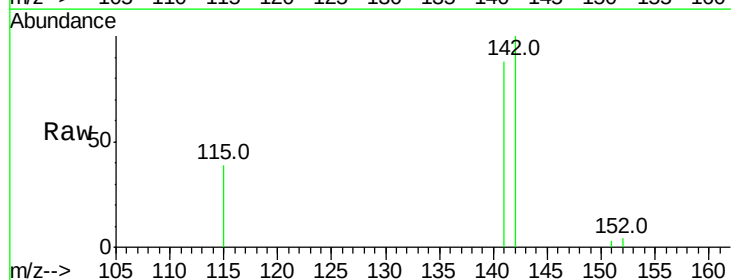
Tgt Ion:142 Resp: 3459

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

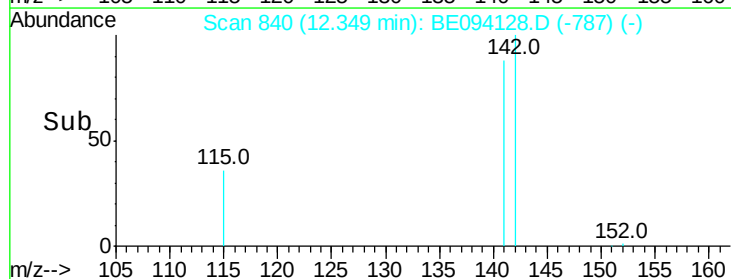
1500

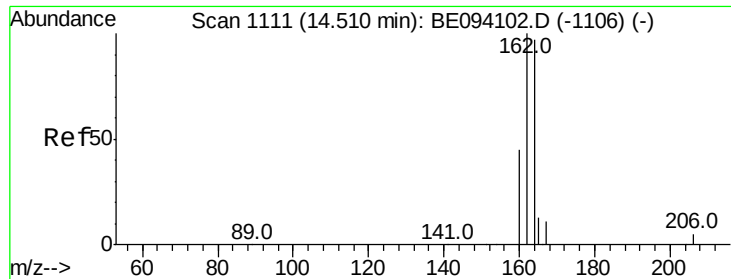
1000

500

0

Time--> 12.30 12.40

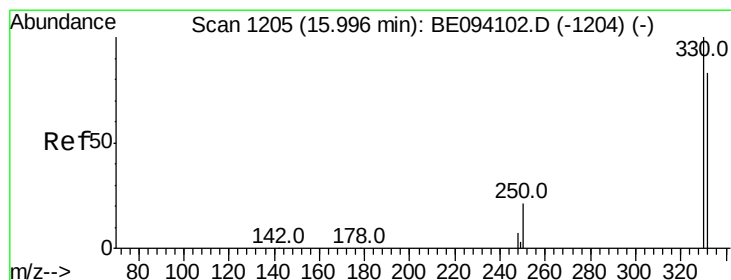
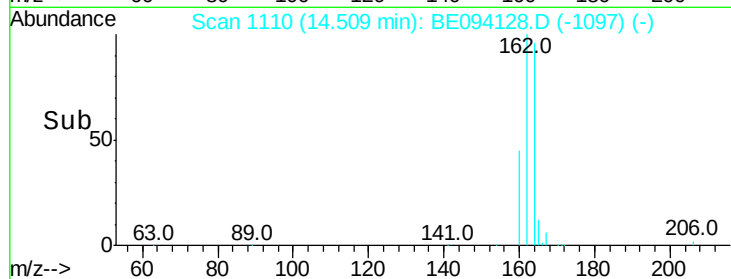
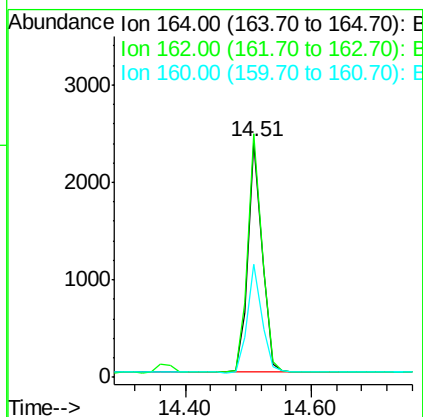
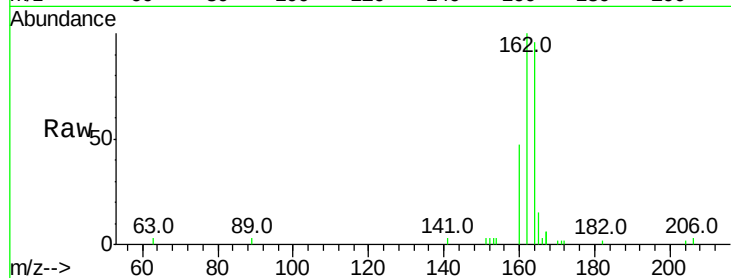




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

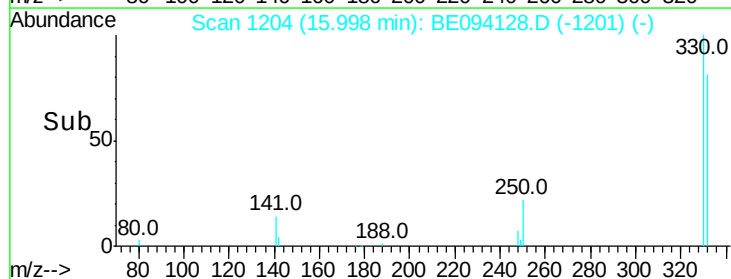
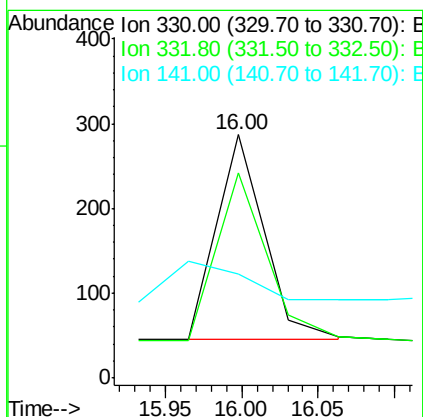
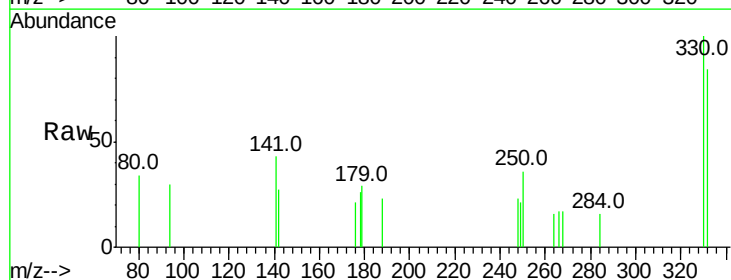
Instrument :
BNA_E
ClientSampleId :

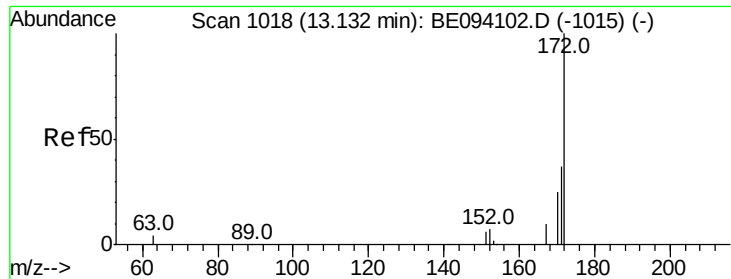
Tot Ion:164 Resp: 3701
Ion Ratio Lower Upper
164 100
162 103.7 83.1 124.7
160 48.4 37.1 55.7



#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#

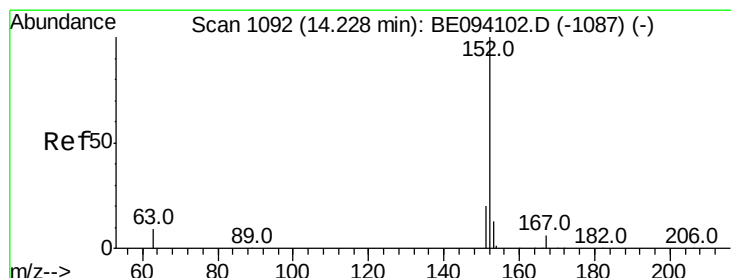
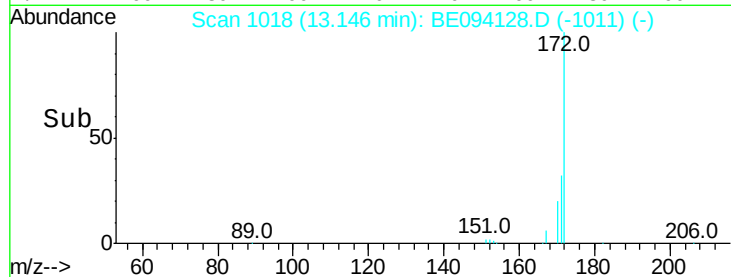
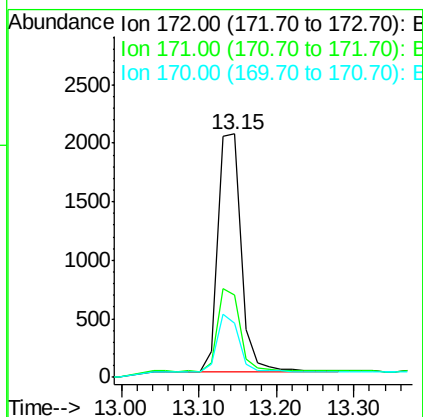
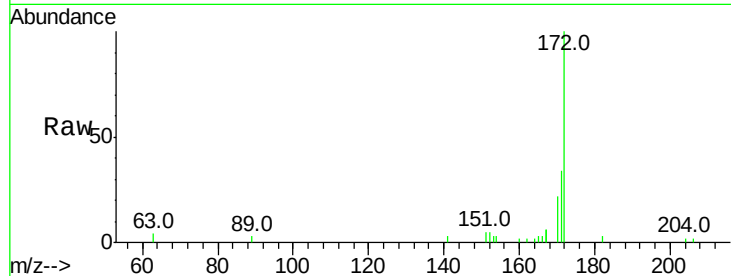




#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.15 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

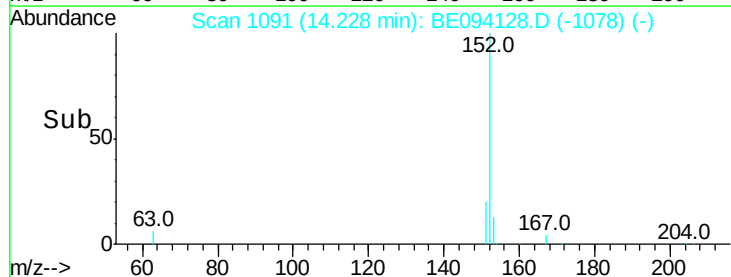
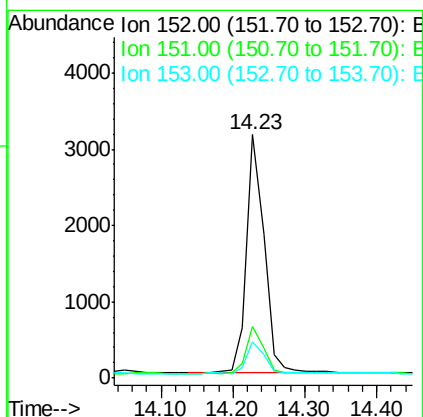
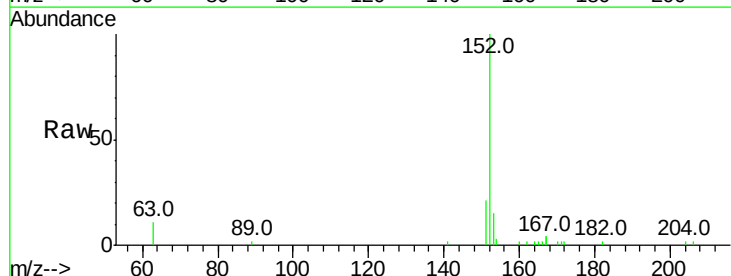
Instrument :
BNA_E
ClientSampled :

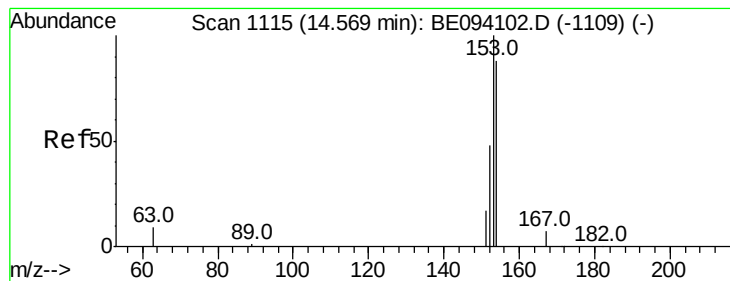
Tot Ion:172 Resp: 4253
Ion Ratio Lower Upper
172 100
171 33.8 29.9 44.9
170 22.4 21.8 32.8



#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 :

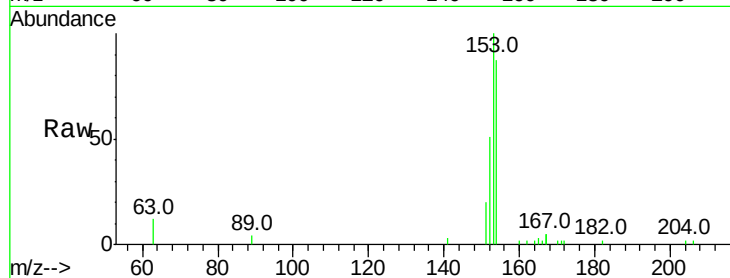
Tot Ion:154 Resp: 3548

Ion Ratio Lower Upper

154 100

153 111.8 89.2 133.8

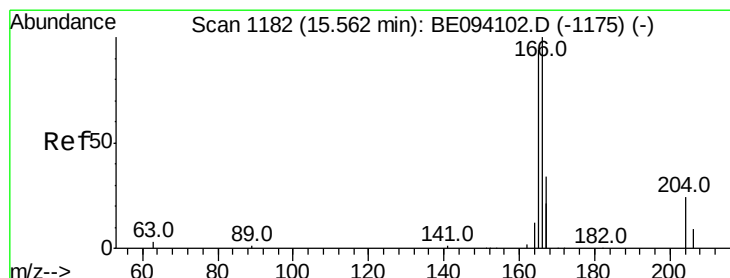
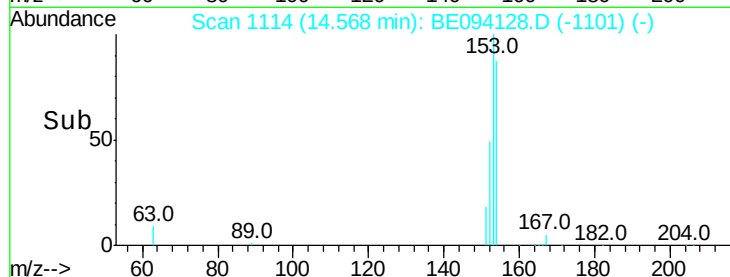
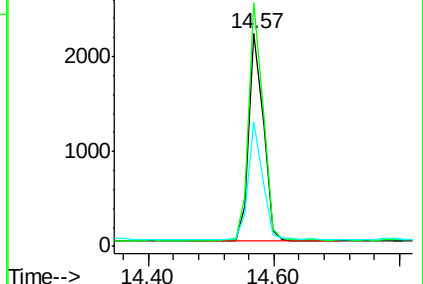
152 53.9 42.0 63.0



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

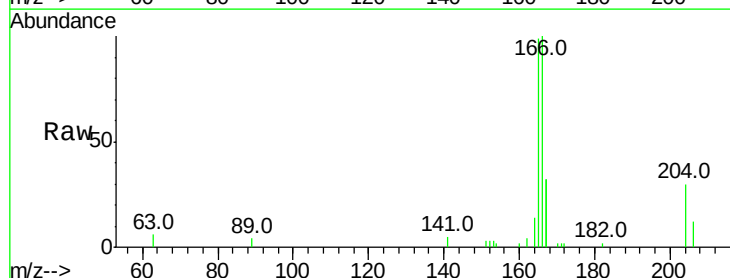
Tgt Ion:166 Resp: 4645

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

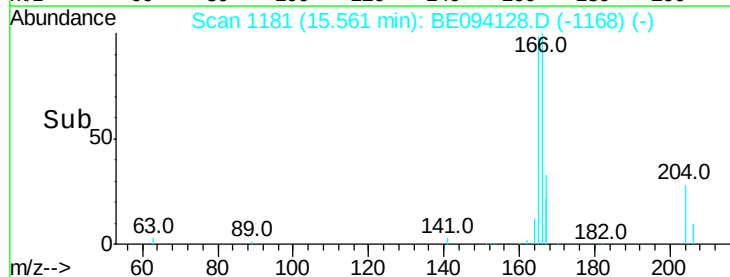
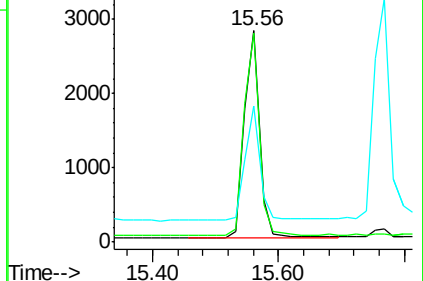
167 53.6 42.4 63.6

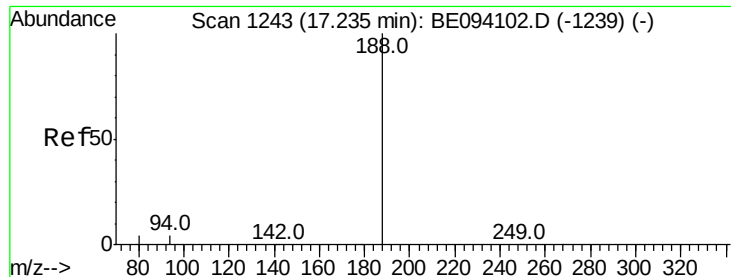


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

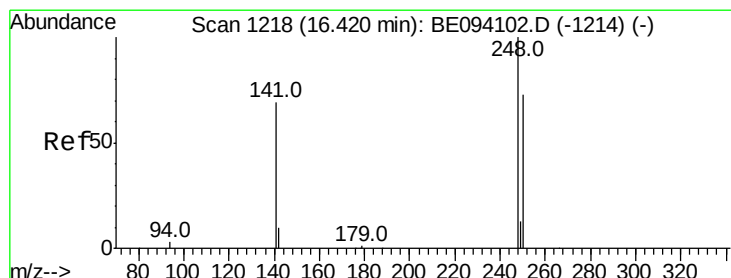
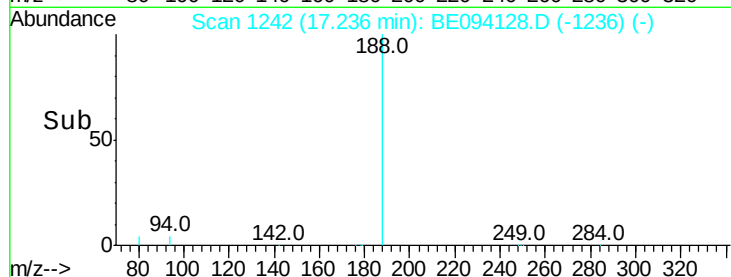
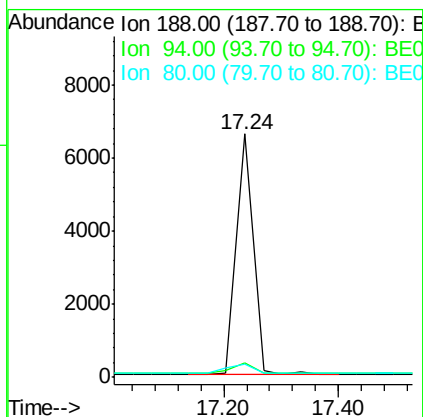
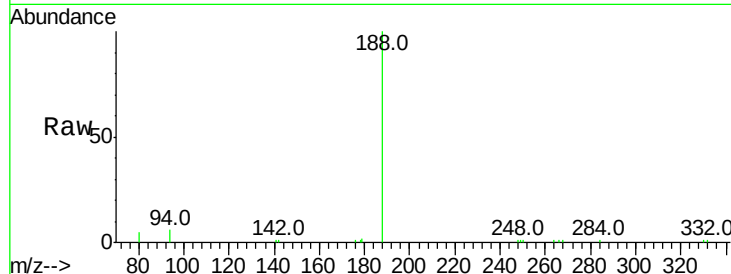




#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.24 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: BE094128.D
 Acq: 26 Sep 2017 14:47

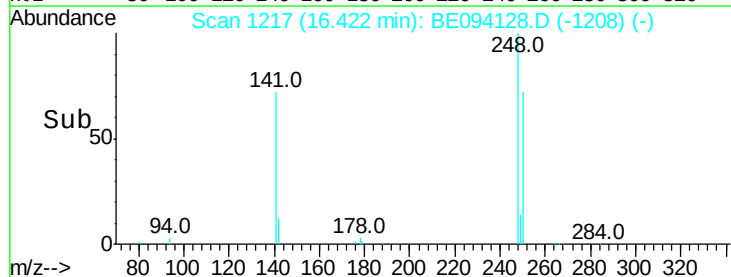
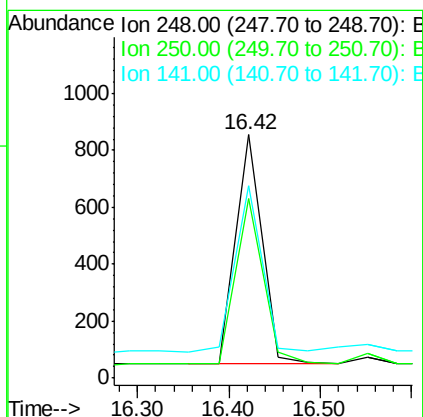
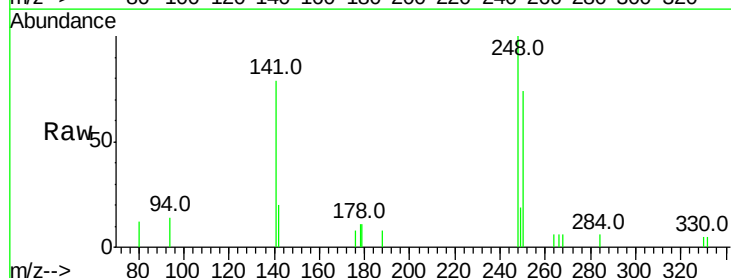
Instrument :
 BNA_E
 ClientSampleId :

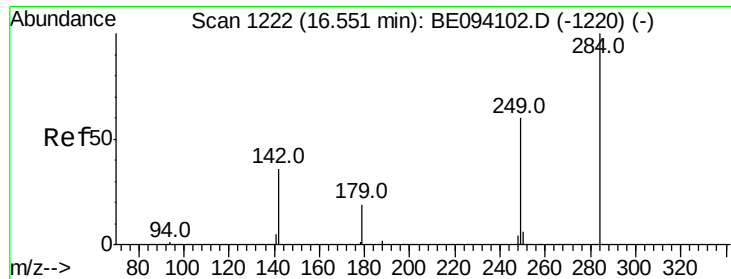
Tot Ion:188 Resp: 13391
 Ion Ratio Lower Upper
 188 100
 94 5.8 3.9 5.9
 80 5.5 3.6 5.4#



#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#

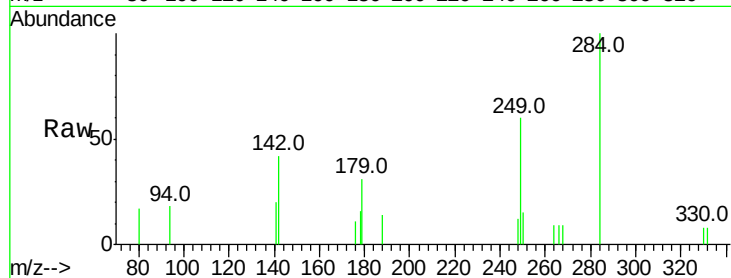




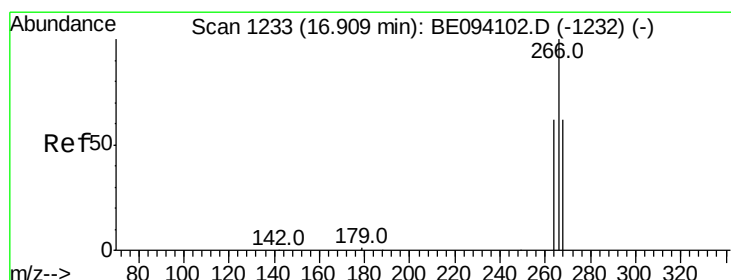
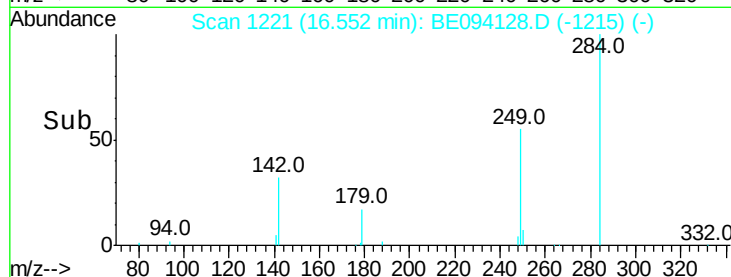
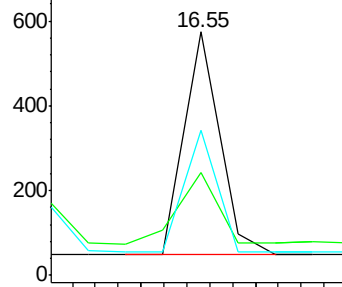
#21
Hexachlorobenzene
Concen: 0.326 ng
RT: 16.55 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :

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

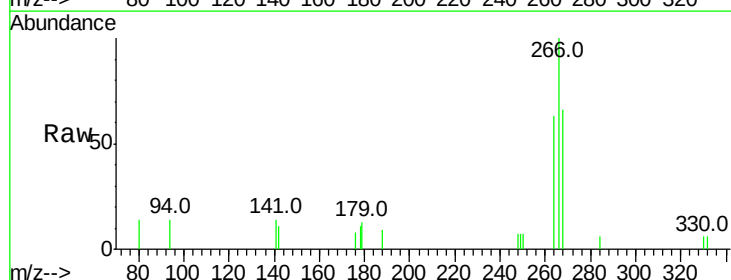


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

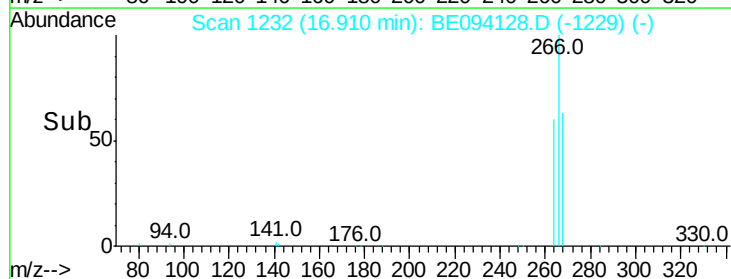
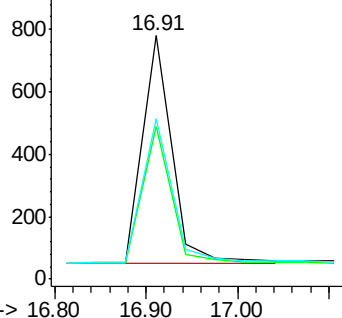


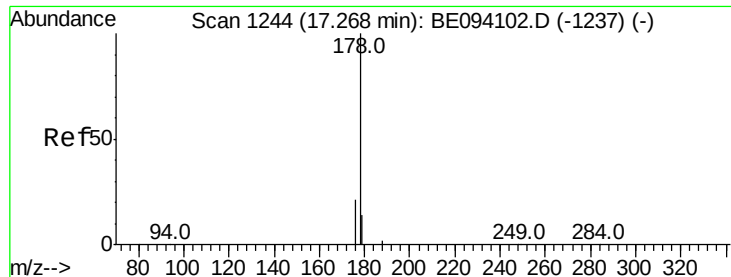
#22
Pentachlorophenol
Concen: 0.504 ng
RT: 16.91 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

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

ClientSampled :

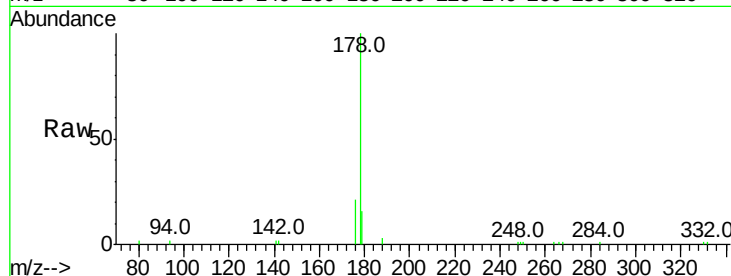
Tot Ion:178 Resp: 10682

Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

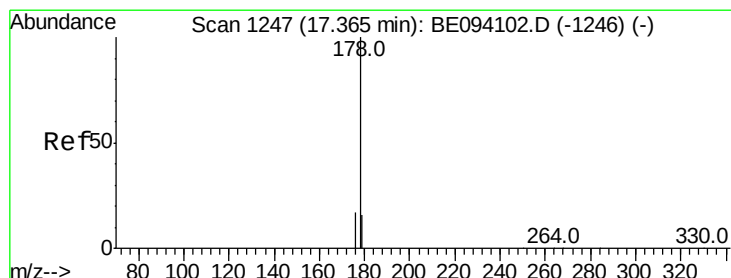
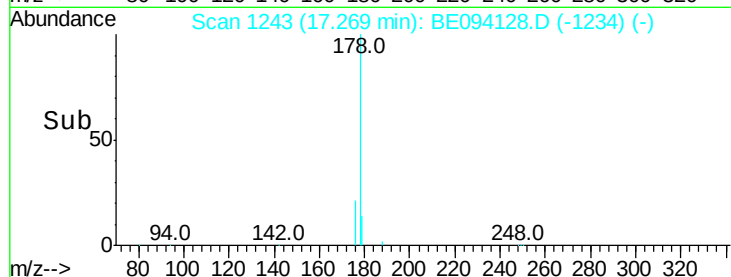
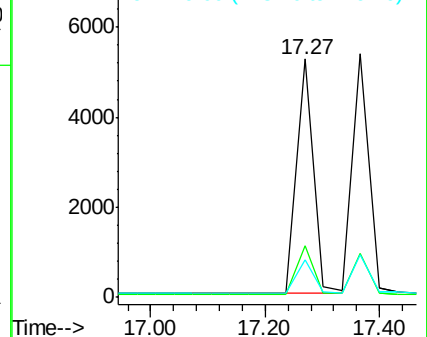
179 14.2 11.8 17.6



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

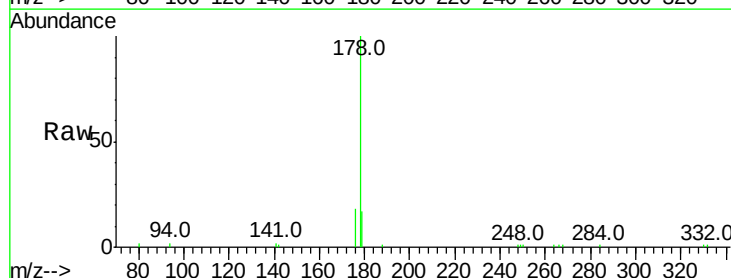
Tgt Ion:178 Resp: 10703

Ion Ratio Lower Upper

178 100

176 17.1 12.8 19.2

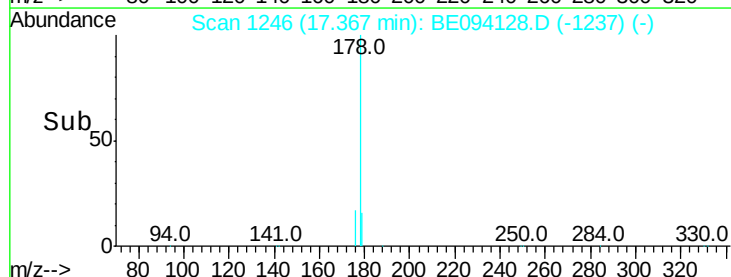
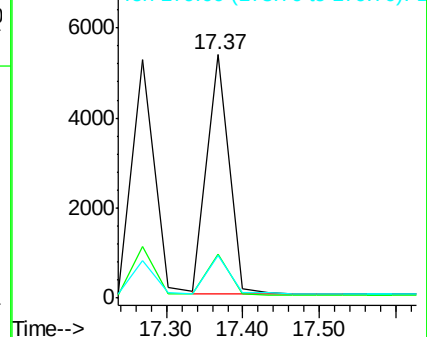
179 16.1 13.0 19.6

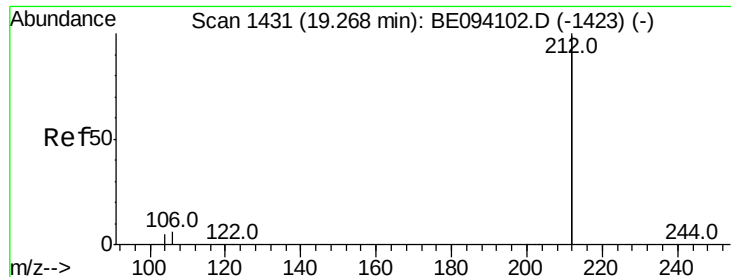


Abundance Ion 178.00 (177.70 to 178.70): E

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 :

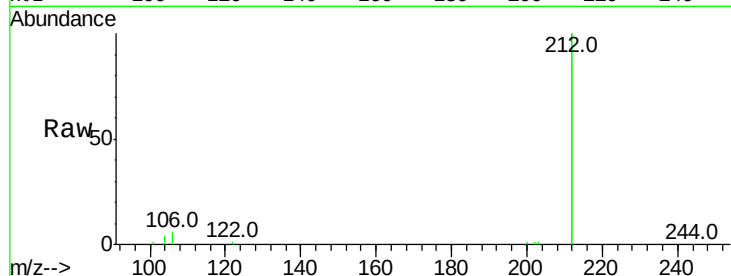
Tot Ion:212 Resp: 46902

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

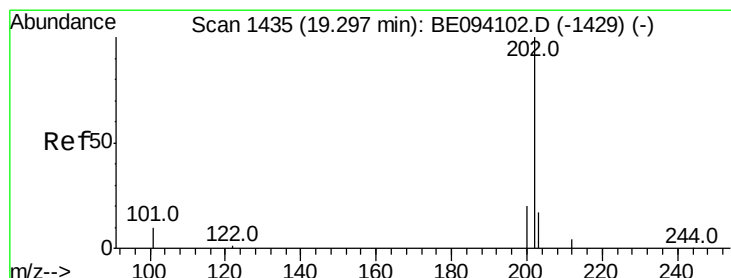
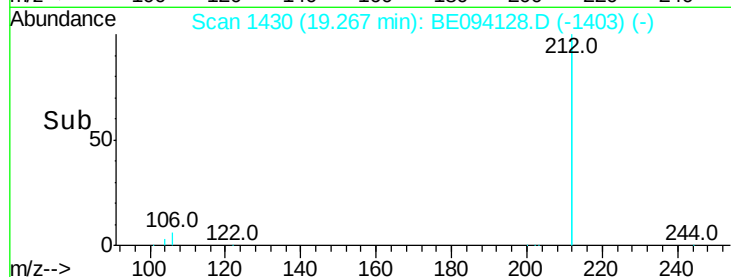
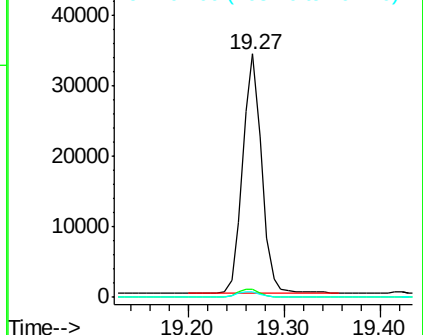
104 2.4 1.6 2.4



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

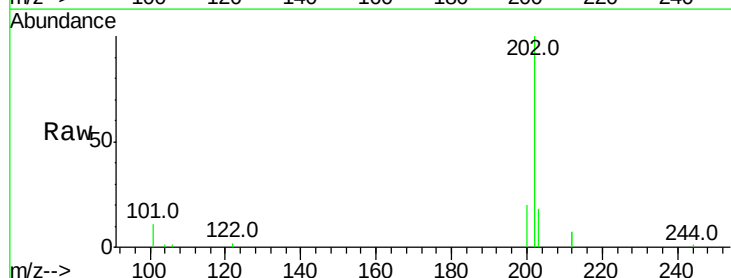
Tgt Ion:202 Resp: 11698

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

