

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094962.D
 Acq On : 8 Dec 2017 23:07
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 09 00:29:56 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	6641	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	14054	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	8026	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	19096	0.40	ng	0.00
27) Chrysene-d12	21.89	240	22554	0.40	ng	0.00
34) Perylene-d12	24.57	264	18093	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	4059	0.39	ng	0.00
5) Phenol-d6	7.60	99	6114	0.39	ng	0.00
8) Nitrobenzene-d5	9.66	82	5299	0.64	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	9059	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	855	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	14158	0.41	ng	0.00
25) Fluoranthene-d10	19.76	212	97660	0.37	ng	0.00
29) Terphenyl-d14	20.33	244	16833	0.40	ng	0.00

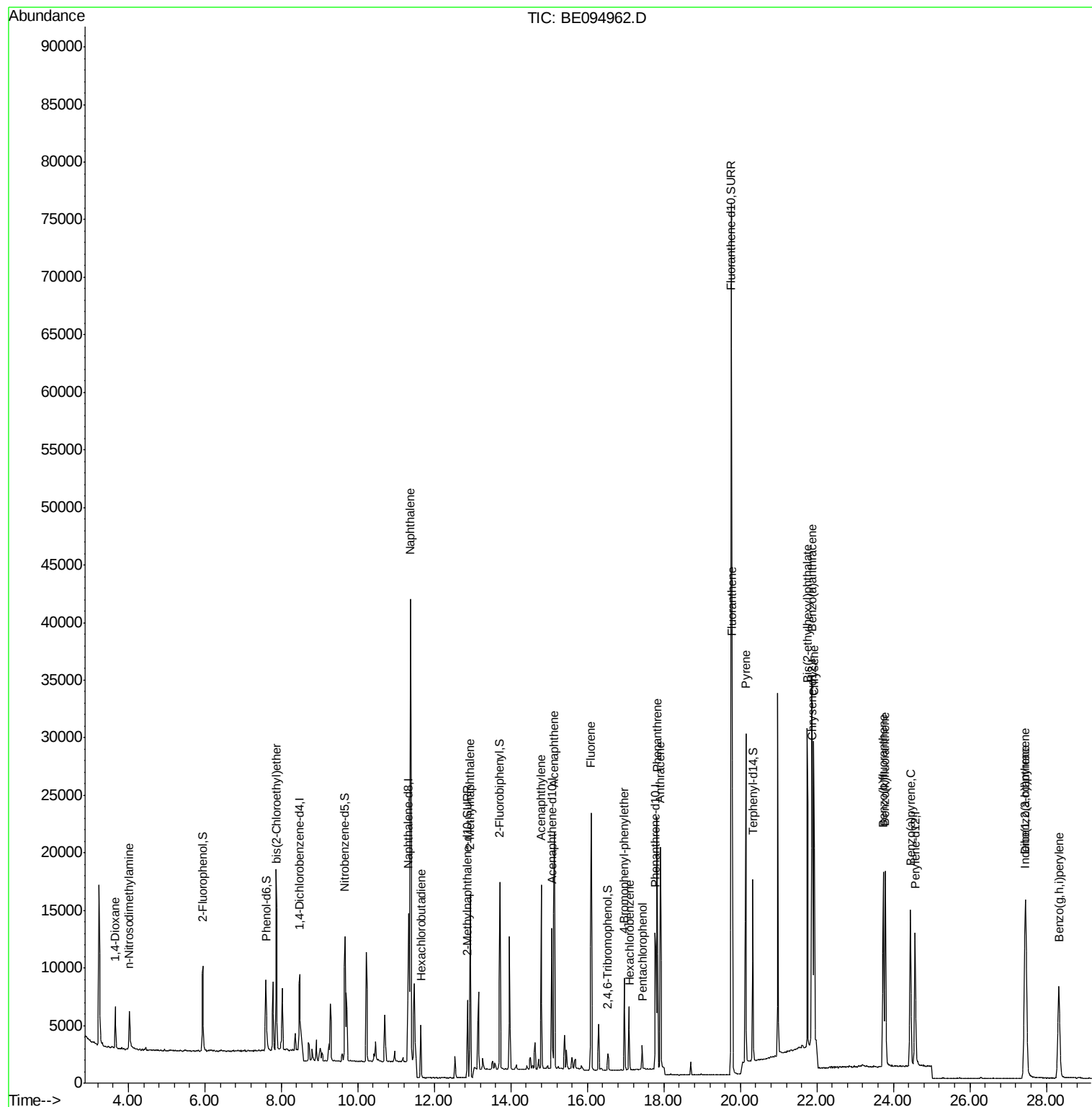
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	2453	0.353	ng	# 91
3) n-Nitrosodimethylamine	4.01	42	3111	0.351	ng	# 84
6) bis(2-Chloroethyl)ether	7.88	93	5612	0.364	ng	97
9) Naphthalene	11.38	128	65371	0.397	ng	99
10) Hexachlorobutadiene	11.64	225	2911	0.419	ng	98
12) 2-Methylnaphthalene	12.94	142	16232	0.396	ng	96
16) Acenaphthylene	14.79	152	16991	0.375	ng	99
17) Acenaphthene	15.13	154	11186	0.382	ng	95
18) Fluorene	16.10	166	14174	0.380	ng	# 79
20) 4-Bromophenyl-phenylether	16.97	248	4427	0.416	ng	# 70
21) Hexachlorobenzene	17.10	284	4460	0.429	ng	# 81
22) Pentachlorophenol	17.43	266	1198	0.482	ng	# 75
23) Phenanthrene	17.82	178	23139	0.380	ng	98
24) Anthracene	17.91	178	23774	0.368	ng	# 93
26) Fluoranthene	19.79	202	29202	0.373	ng	99
28) Pyrene	20.14	202	33624	0.432	ng	95
30) Benzo(a)anthracene	21.87	228	27483	0.397	ng	# 61
31) Chrysene	21.92	228	28760	0.376	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.74	149	43905	0.383	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	24596	0.393	ng	99
35) Benzo(b)fluoranthene	23.73	252	25380	0.384	ng	# 40
36) Benzo(k)fluoranthene	23.79	252	25421	0.378	ng	# 39
37) Benzo(a)pyrene	24.44	252	22542	0.389	ng	# 34
38) Dibenzo(a,h)anthracene	27.46	278	20954	0.392	ng	# 42
39) Benzo(g,h,i)perylene	28.32	276	20821	0.390	ng	# 53

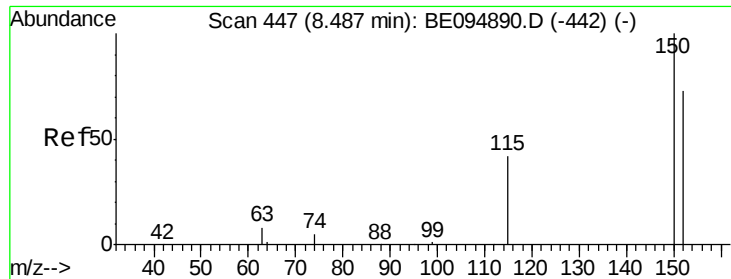
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094962.D
Acq On : 8 Dec 2017 23:07
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 09 00:29:56 2017
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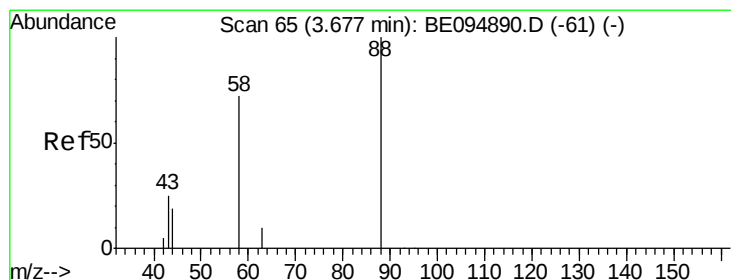
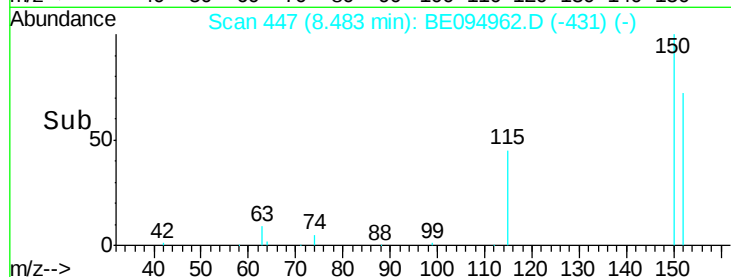
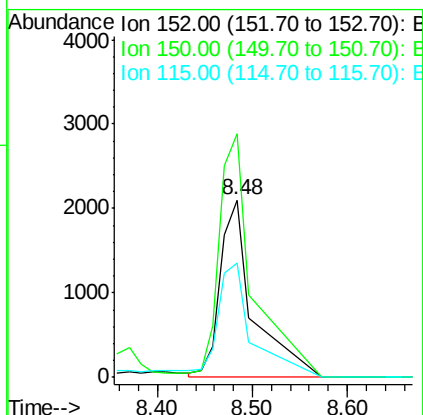
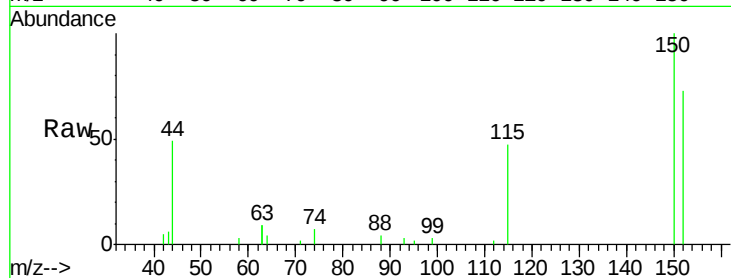


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_E
ClientSampleId :

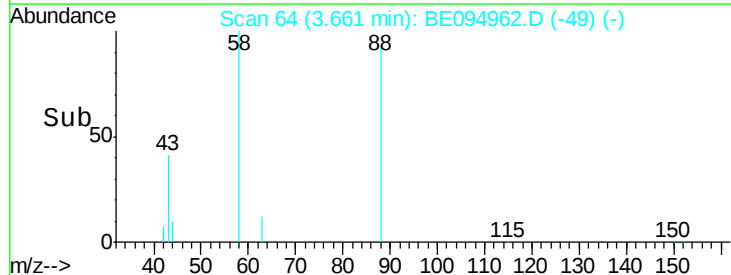
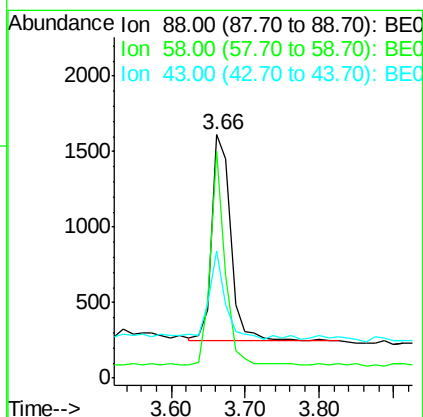
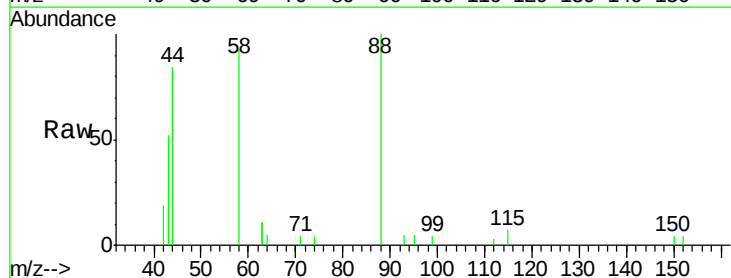
Tot Ion:152 Resp: 6641
Ion Ratio Lower Upper
152 100
150 137.4 117.2 175.8
115 64.6 57.0 85.6

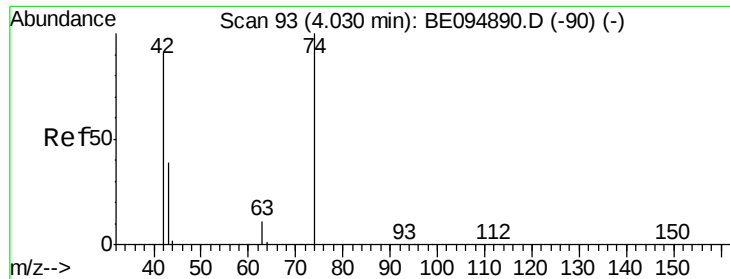


#2

1,4-Dioxane
Concen: 0.353 ng
RT: 3.66 min Scan# 64
Delta R.T. -0.02 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Tgt Ion: 88 Resp: 2453
Ion Ratio Lower Upper
88 100
58 80.6 63.2 94.8
43 38.0 41.2 61.8#



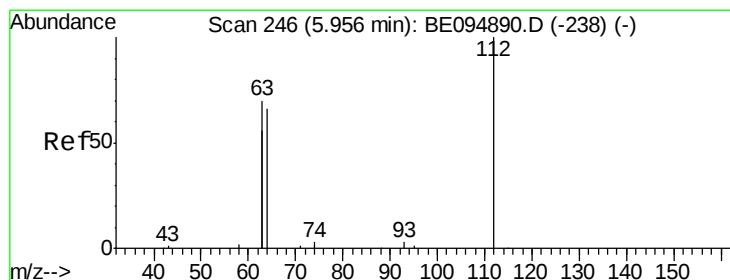
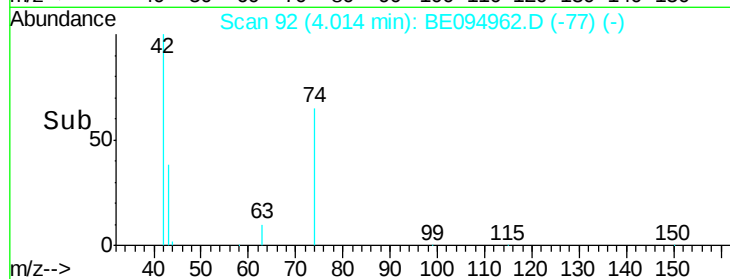
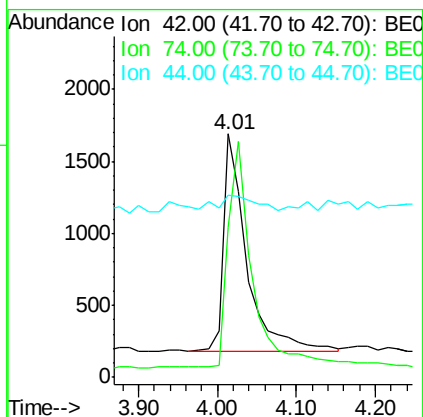
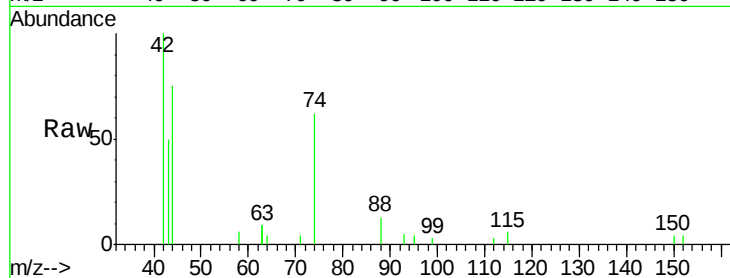


#3

n-Nitrosodimethylamine
 Concen: 0.351 ng
 RT: 4.01 min Scan# 92
 Delta R.T. -0.02 min
 Lab File: BE094962.D
 Acq: 8 Dec 2017 23:07

Instrument :
 BNA_E
 ClientSampleId :

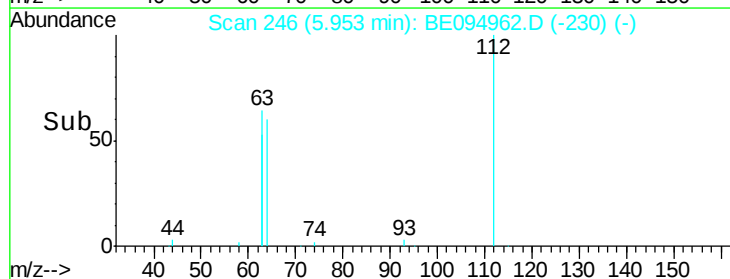
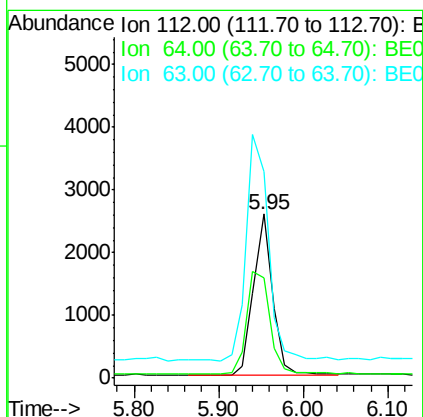
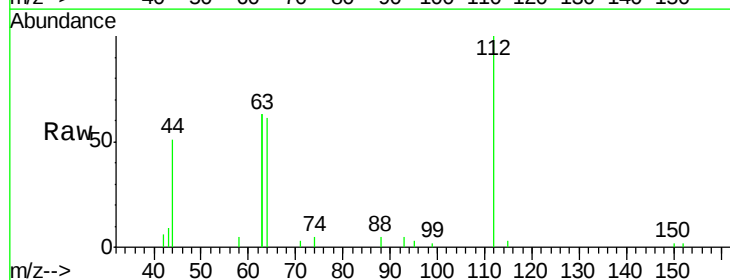
Tot Ion: 42 Resp: 3111
 Ion Ratio Lower Upper
 42 100
 74 108.2 100.3 150.5
 44 12.5 17.0 25.4#

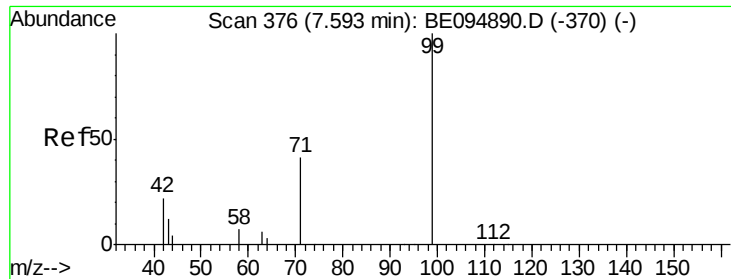


#4

2-Fluorophenol
 Concen: 0.386 ng
 RT: 5.95 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: BE094962.D
 Acq: 8 Dec 2017 23:07

Tgt Ion: 112 Resp: 4059
 Ion Ratio Lower Upper
 112 100
 64 77.5 60.1 90.1
 63 161.0 116.8 175.2





#5

Phenol-d6

Concen: 0.393 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

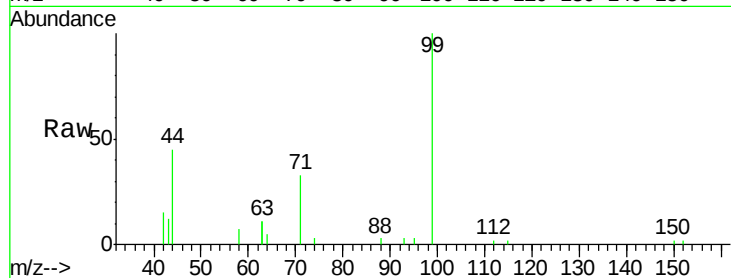
Tot Ion: 99 Resp: 6114

Ion Ratio Lower Upper

99 100

42 26.8 20.2 30.2

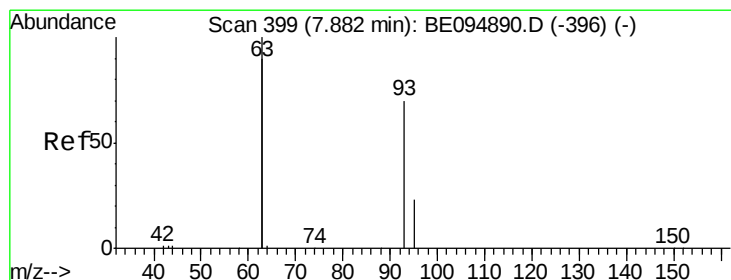
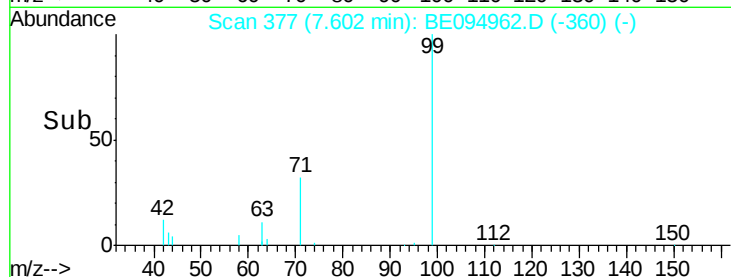
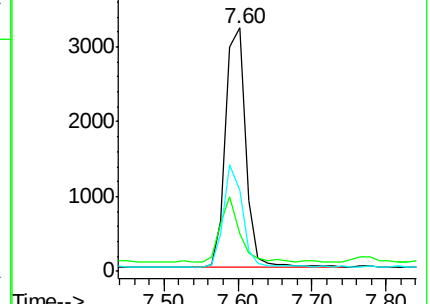
71 40.1 28.4 42.6



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: 0.364 ng

RT: 7.88 min Scan# 399

Delta R.T. -0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

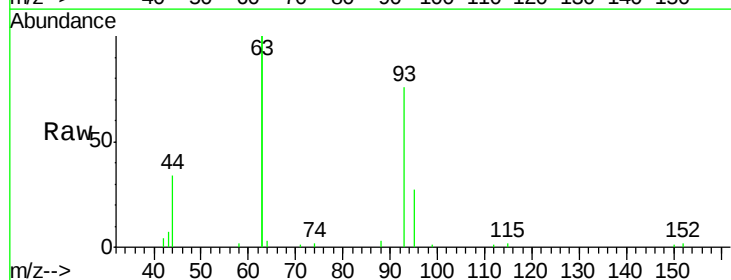
Tgt Ion: 93 Resp: 5612

Ion Ratio Lower Upper

93 100

63 337.0 275.3 412.9

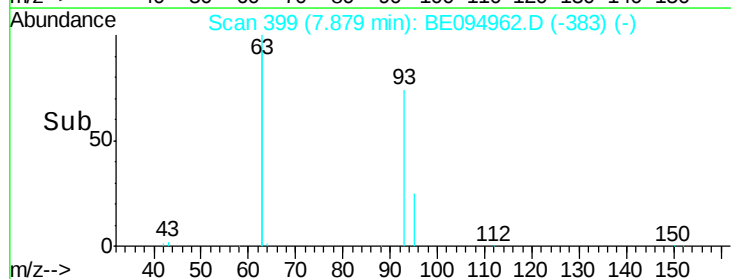
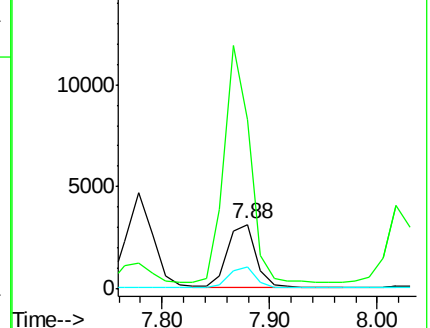
95 32.4 25.2 37.8

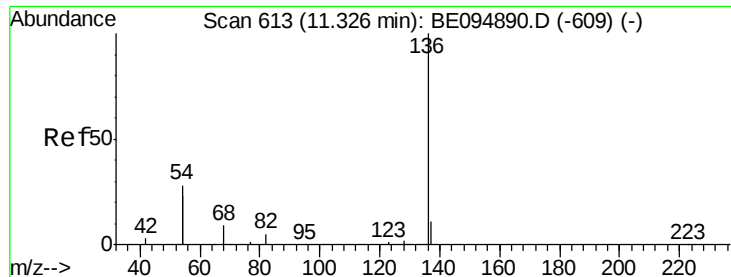


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14054

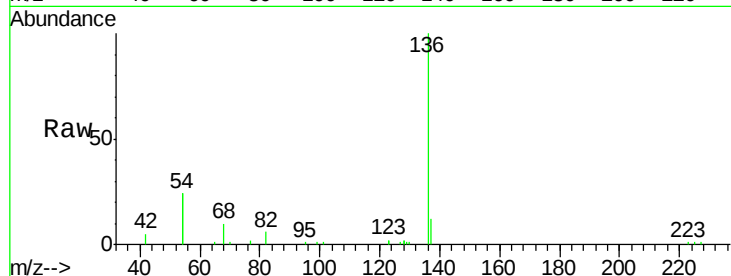
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 48.2 29.1 43.7#

68 9.7 6.2 9.2#

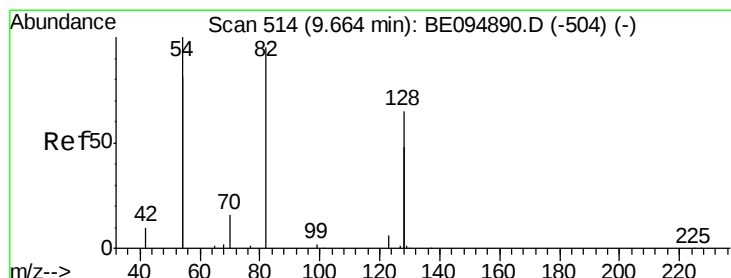
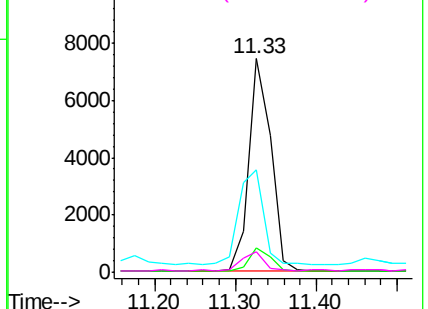
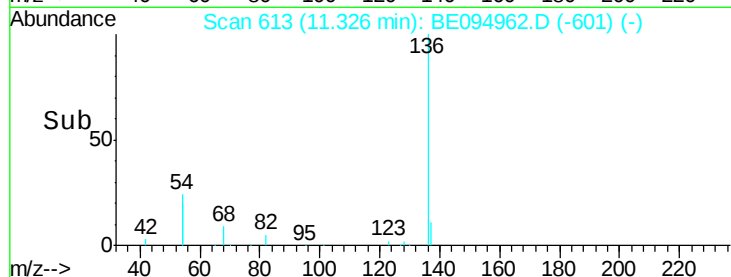


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.637 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

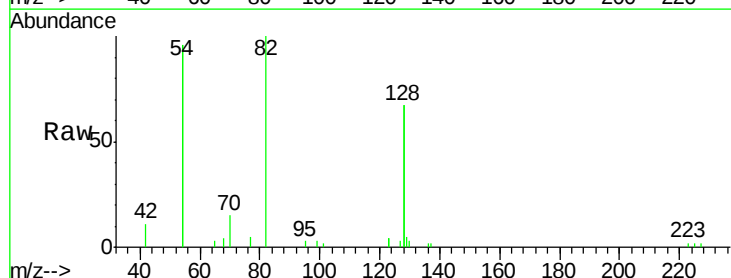
Tgt Ion: 82 Resp: 5299

Ion Ratio Lower Upper

82 100

128 133.4 150.0 225.0#

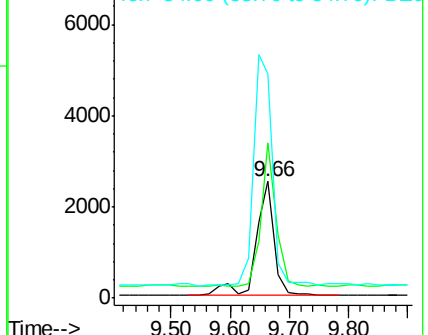
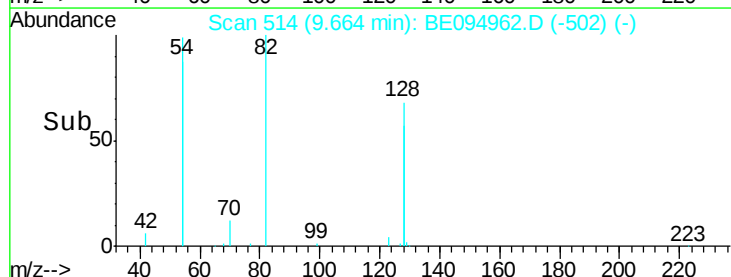
54 192.6 154.2 231.4

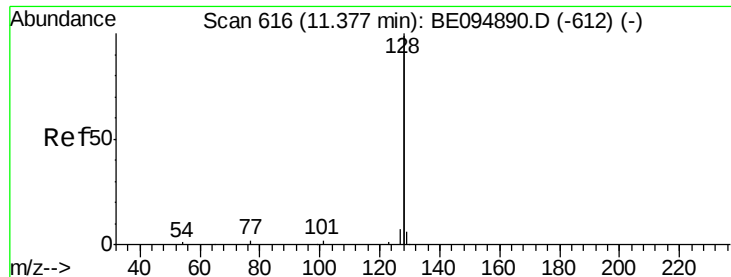


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.397 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

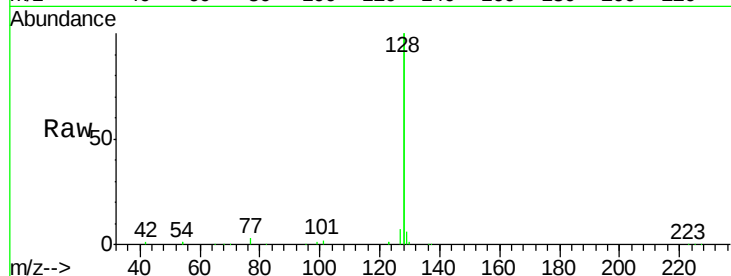
Tot Ion:128 Resp: 65371

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

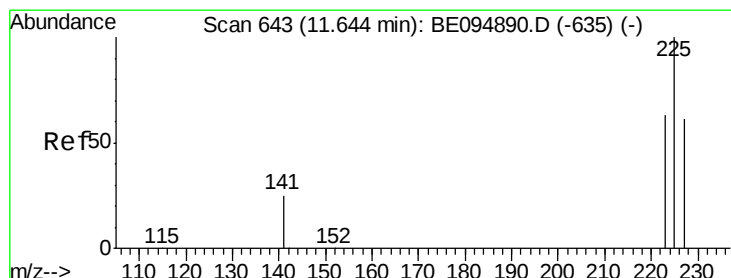
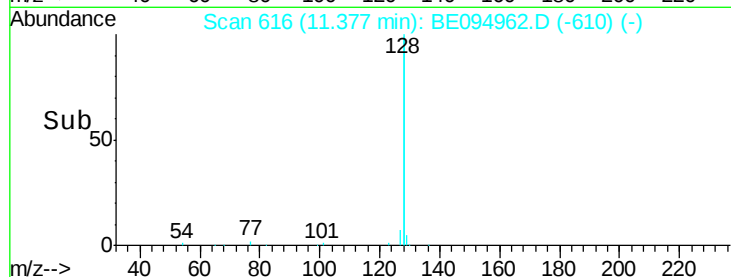
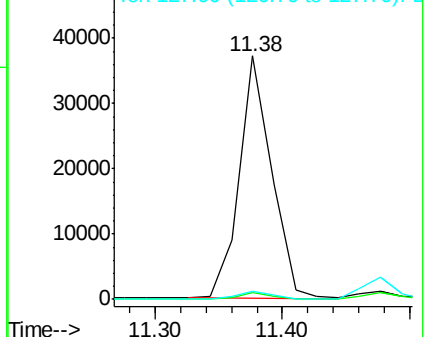
127 3.5 2.8 4.2



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: 0.419 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

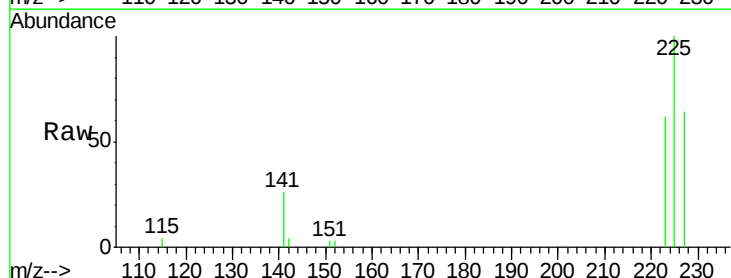
Tgt Ion:225 Resp: 2911

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

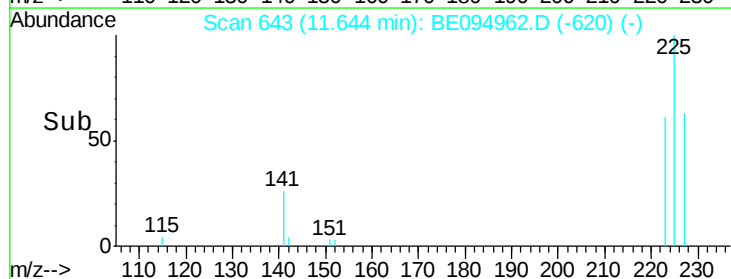
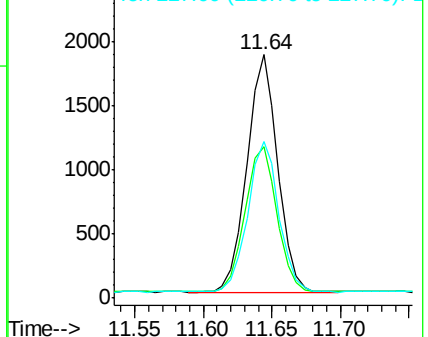
227 64.1 51.4 77.2

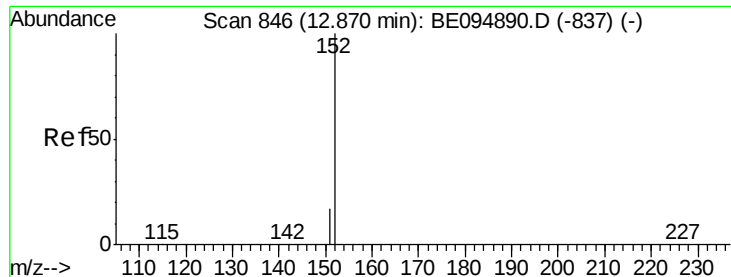


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

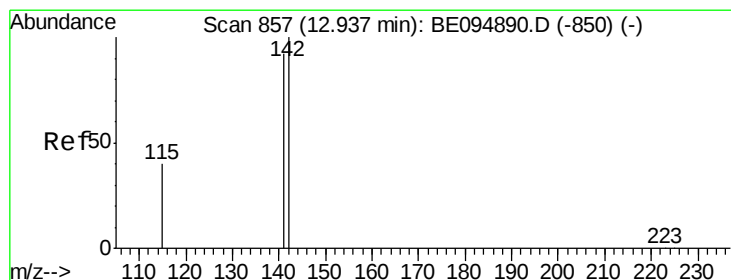
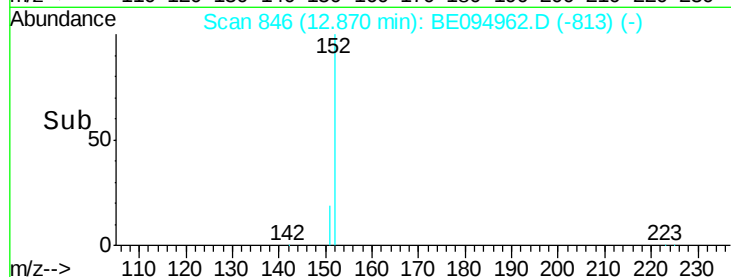
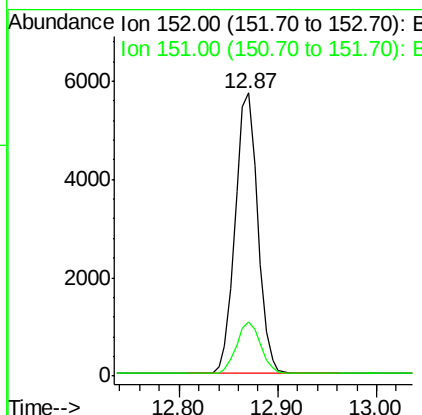
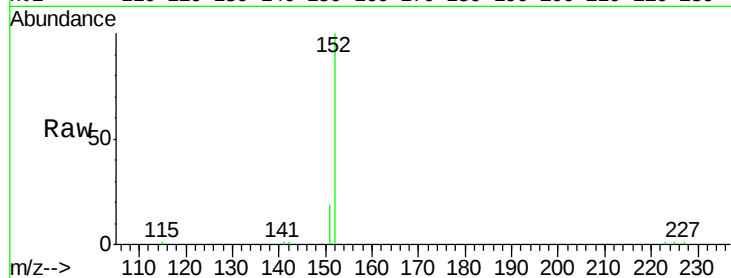




#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 12.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

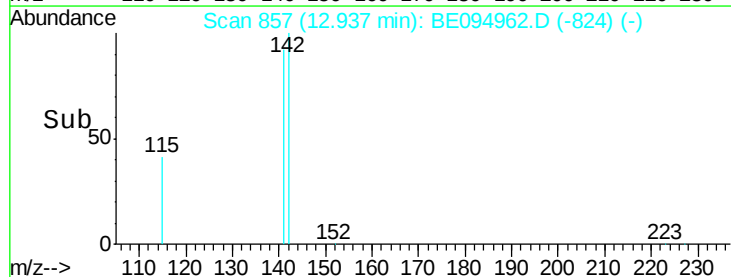
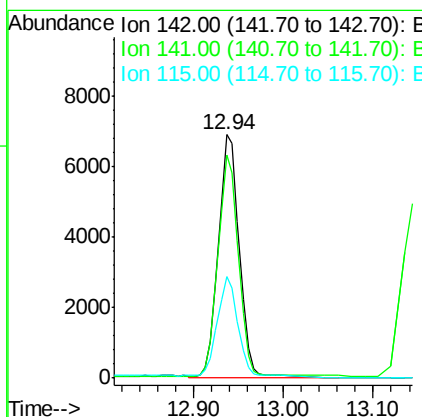
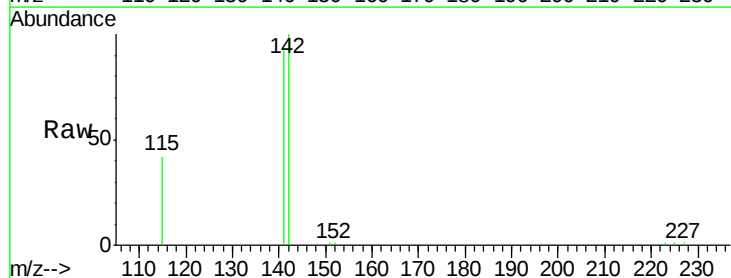
Instrument :
BNA_E
ClientSampleId :

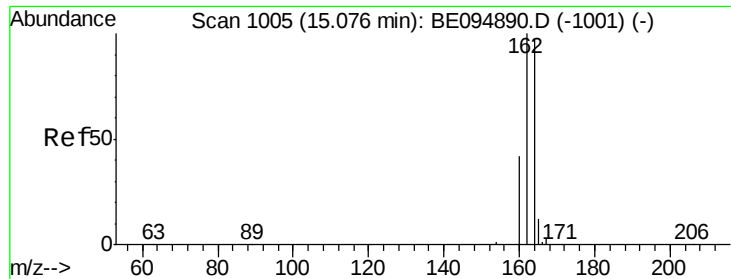
Tot Ion:152 Resp: 9059
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 12.94 min Scan# 857
Delta R.T. 0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Tgt Ion:142 Resp: 16232
Ion Ratio Lower Upper
142 100
141 91.6 70.4 105.6
115 41.6 31.7 47.5

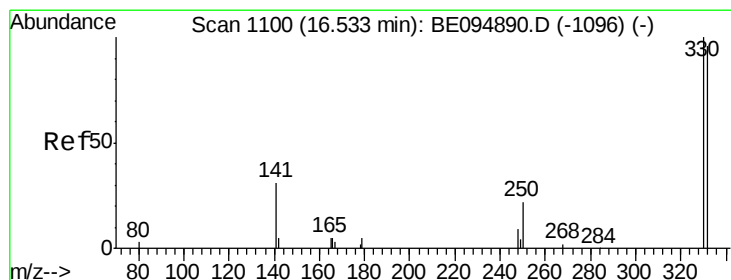
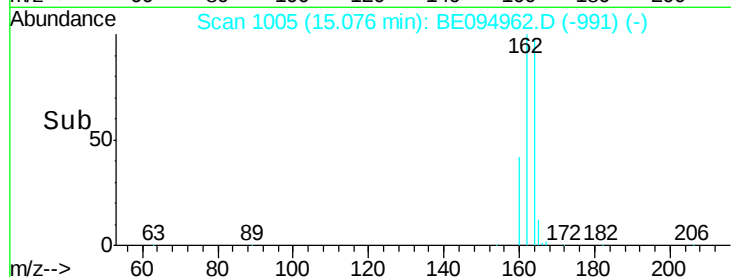
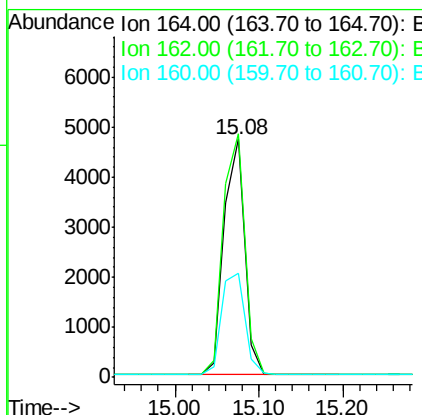
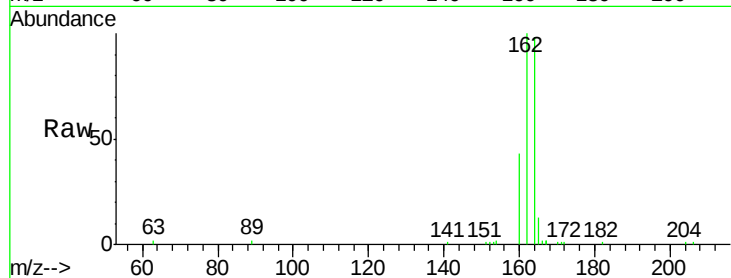




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

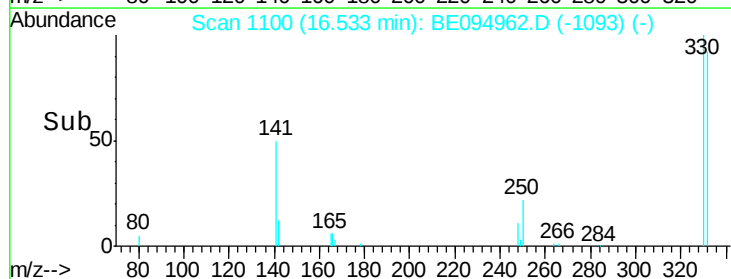
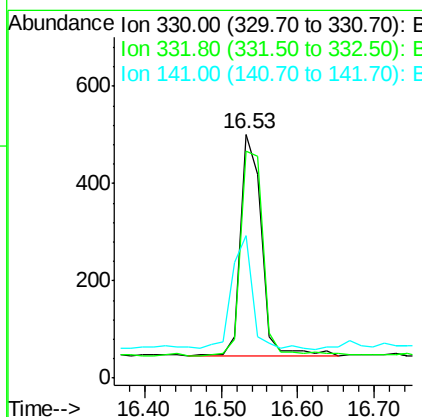
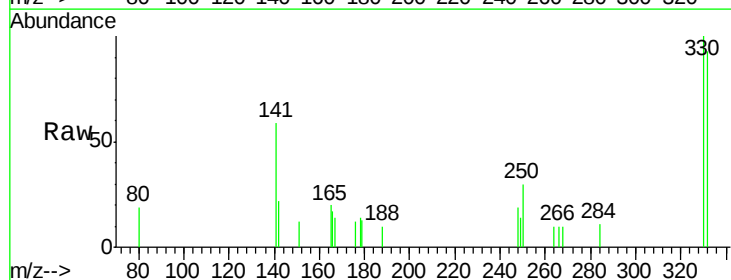
Instrument :
BNA_E
ClientSampleId :

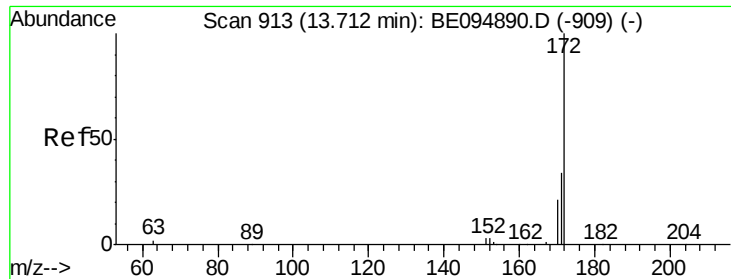
Tot Ion:164 Resp: 8026
Ion Ratio Lower Upper
164 100
162 102.3 83.1 124.7
160 43.7 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.497 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Tgt Ion:330 Resp: 855
Ion Ratio Lower Upper
330 100
332 102.0 152.7 229.1#
141 52.7 33.7 50.5#

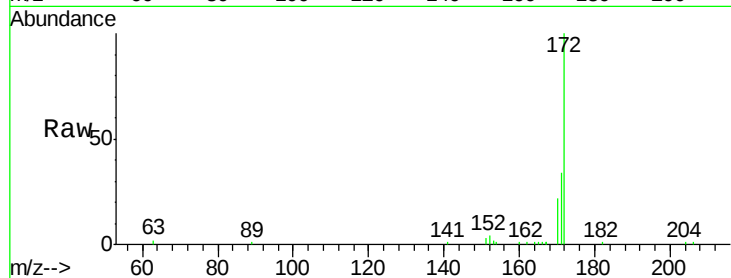




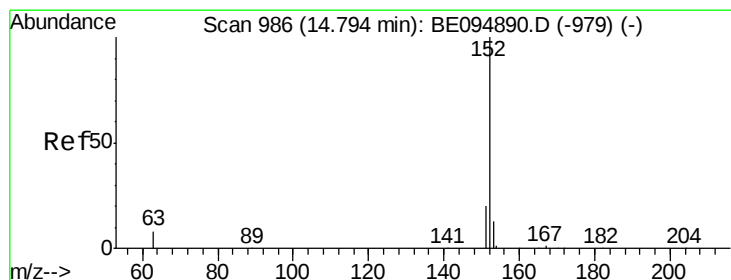
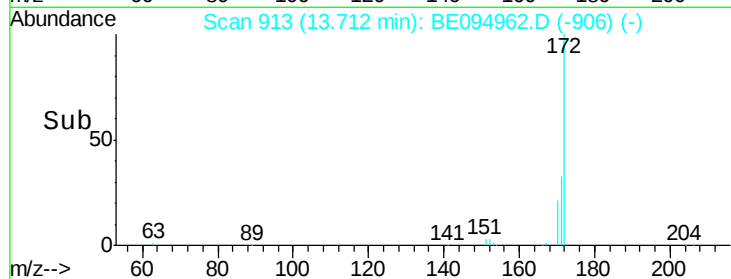
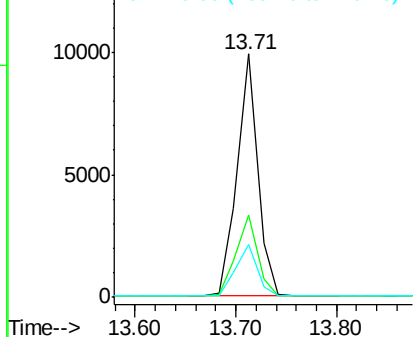
#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 14158
Ion Ratio Lower Upper
172 100
171 33.6 29.9 44.9
170 21.5 21.8 32.8#

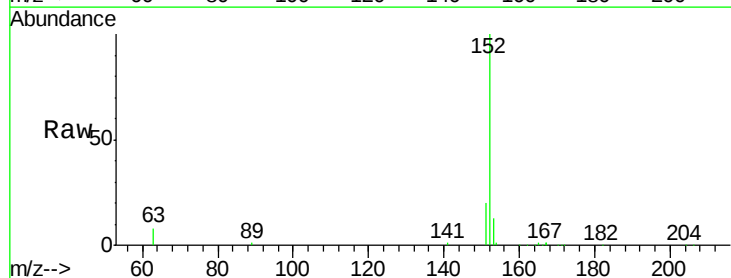


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

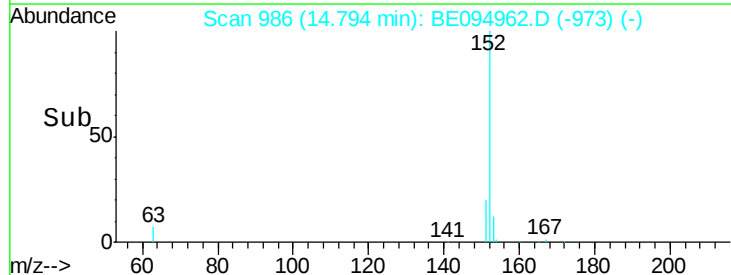
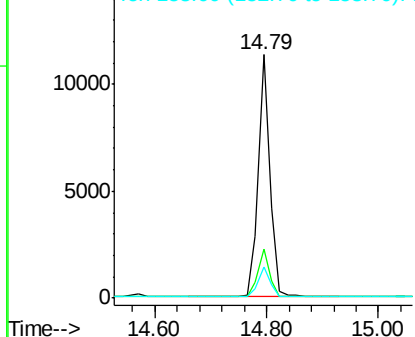


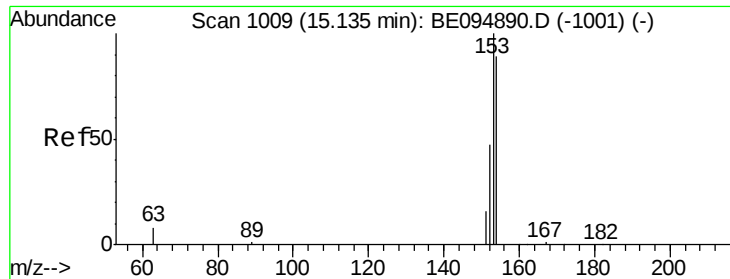
#16
Acenaphthylene
Concen: 0.375 ng
RT: 14.79 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Tgt Ion:152 Resp: 16991
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.4 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: 0.382 ng

RT: 15.13 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

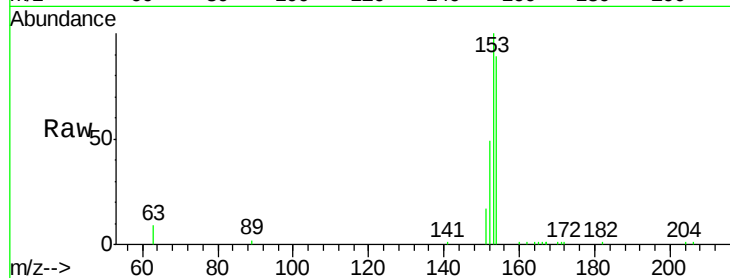
Tot Ion:154 Resp: 11186

Ion Ratio Lower Upper

154 100

153 113.9 89.2 133.8

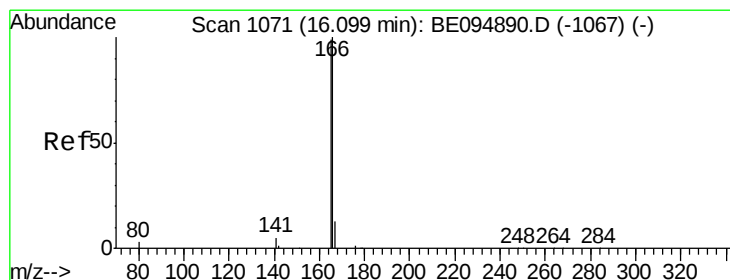
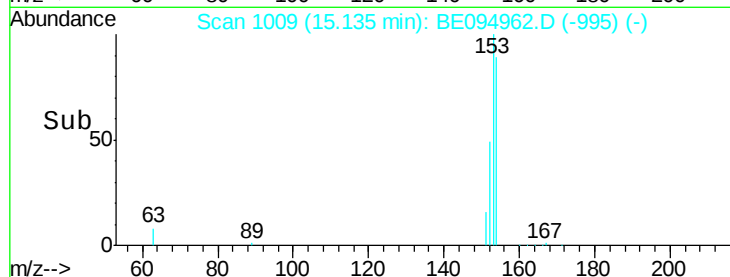
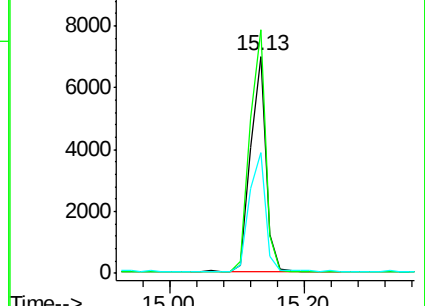
152 59.0 42.0 63.0



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: 0.380 ng

RT: 16.10 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

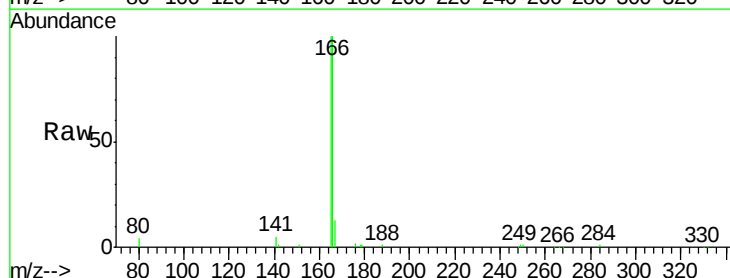
Tgt Ion:166 Resp: 14174

Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.6

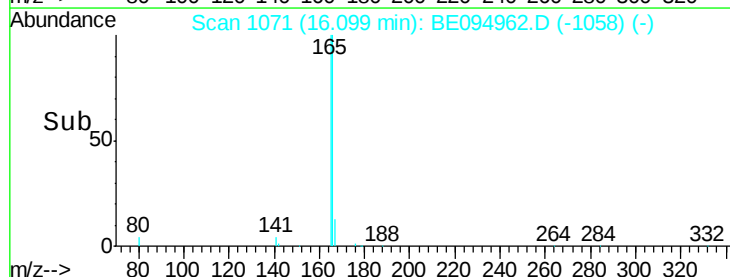
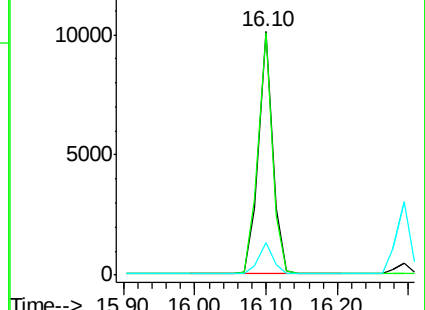
167 13.4 42.4 63.6#

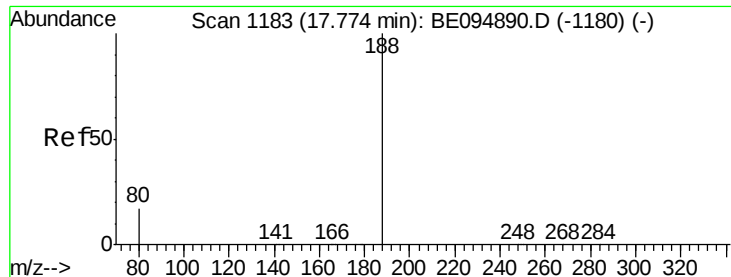


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampled :

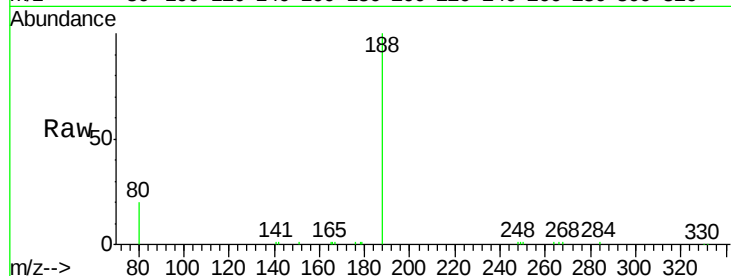
Tot Ion:188 Resp: 19096

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

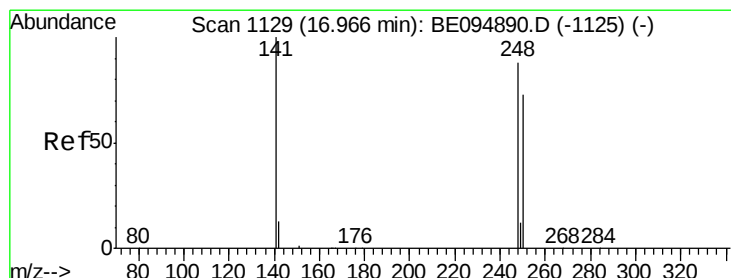
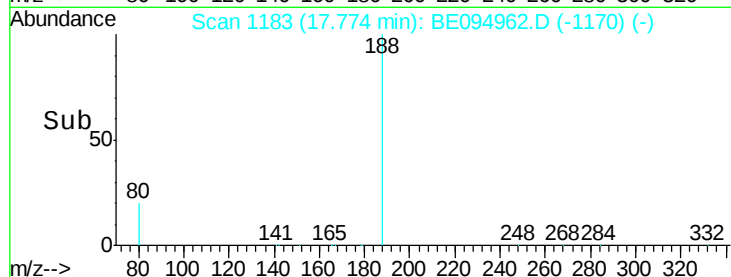
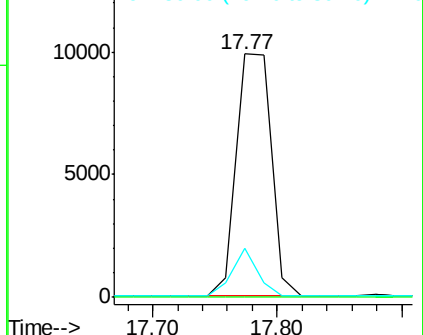
80 20.2 3.6 5.4#



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: 0.416 ng

RT: 16.97 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

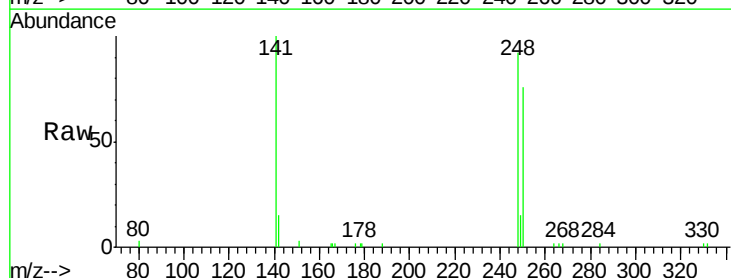
Tgt Ion:248 Resp: 4427

Ion Ratio Lower Upper

248 100

250 82.3 62.7 94.1

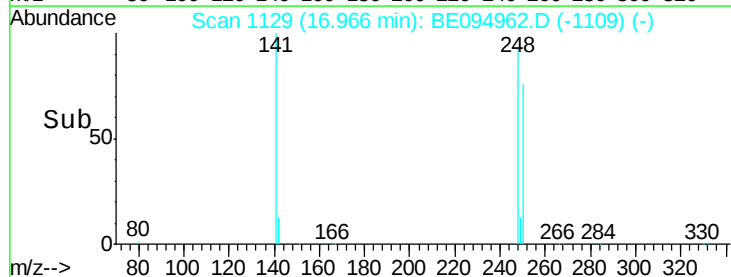
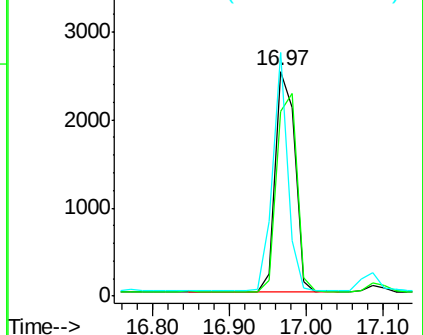
141 108.3 48.2 72.2#

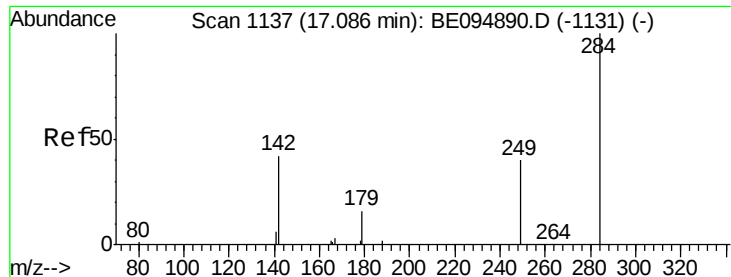


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.429 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

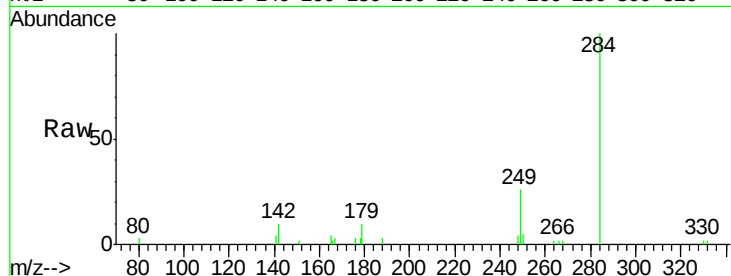
Tot Ion:284 Resp: 4460

Ion Ratio Lower Upper

284 100

142 42.4 22.1 33.1#

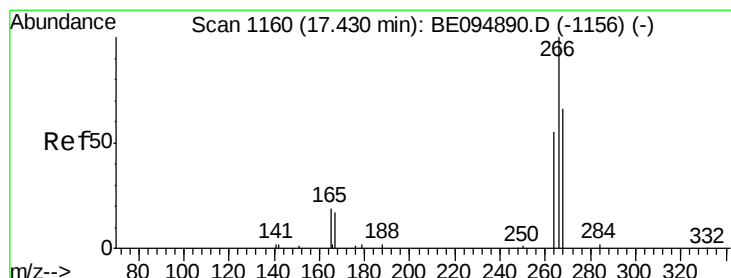
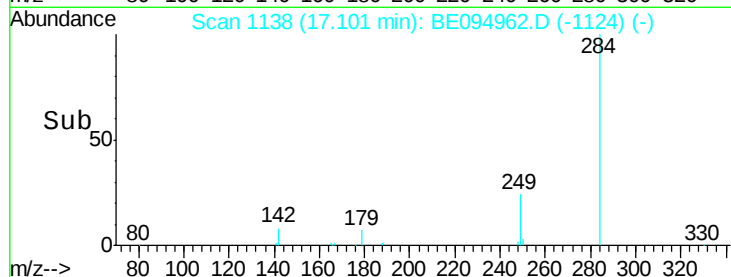
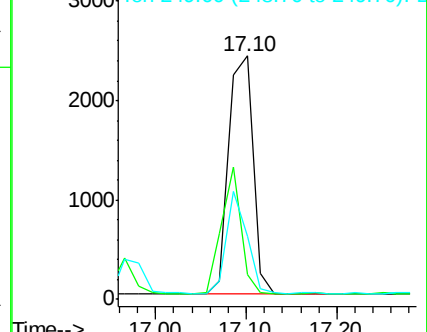
249 35.5 34.8 52.2



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: 0.482 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

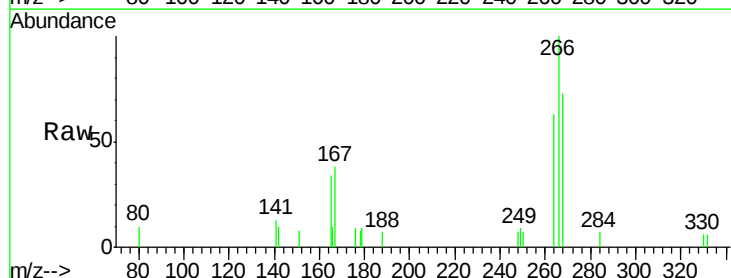
Tgt Ion:266 Resp: 1198

Ion Ratio Lower Upper

266 100

264 62.9 72.5 108.7#

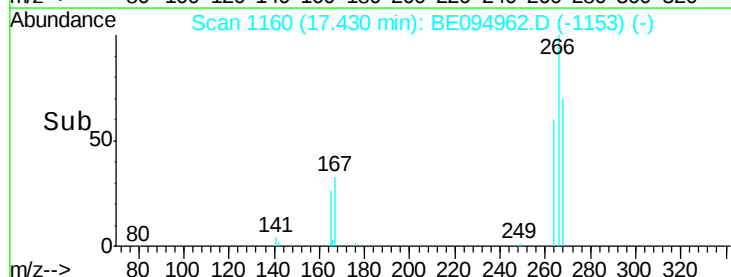
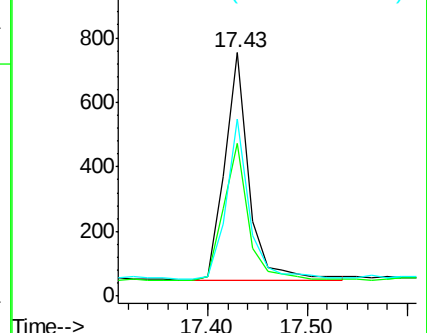
268 72.5 73.8 110.6#

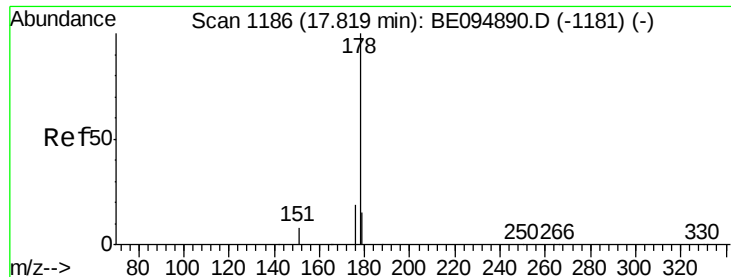


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.380 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

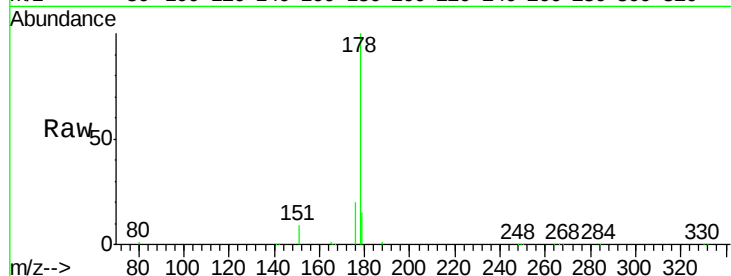
Tot Ion:178 Resp: 23139

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

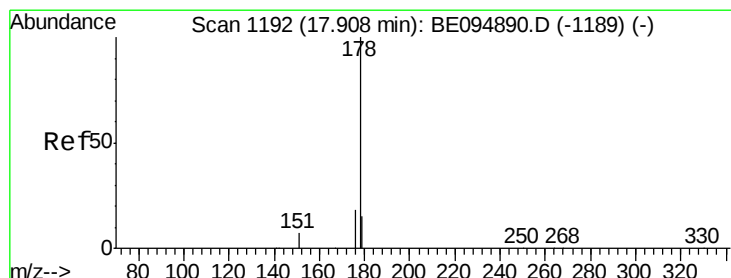
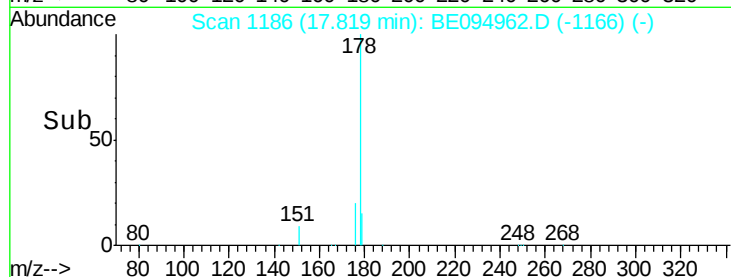
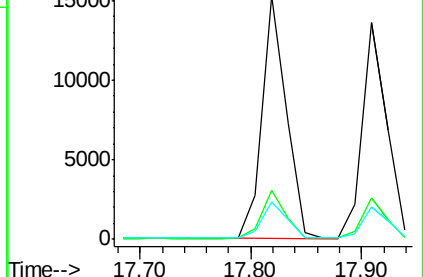
179 15.6 11.8 17.6



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: 0.368 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

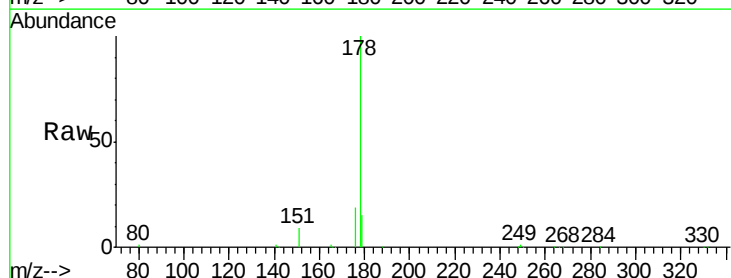
Tgt Ion:178 Resp: 23774

Ion Ratio Lower Upper

178 100

176 20.5 12.8 19.2#

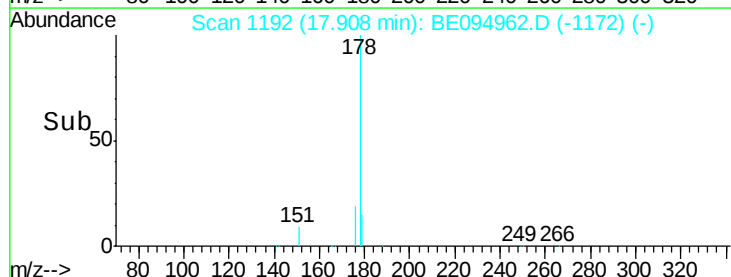
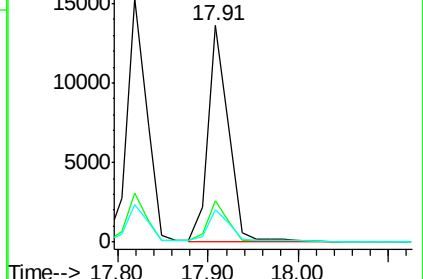
179 17.4 13.0 19.6

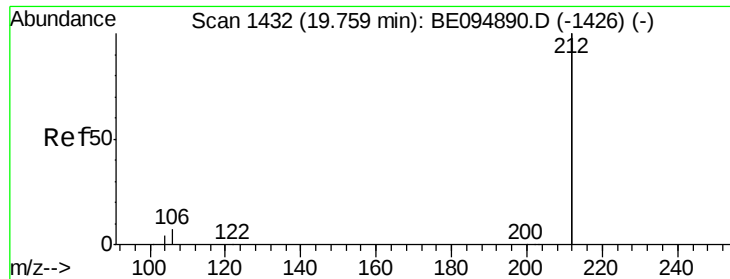


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.374 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampled :

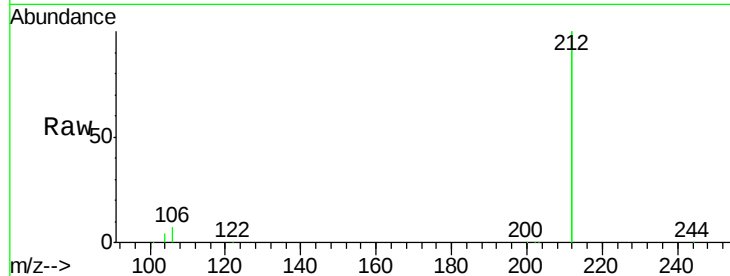
Tot Ion:212 Resp: 97660

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

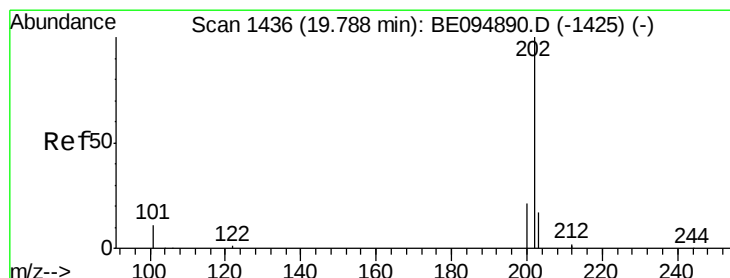
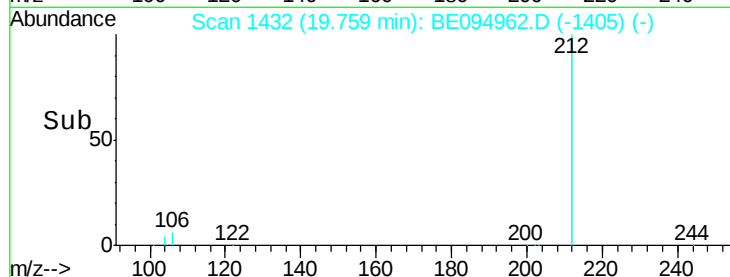
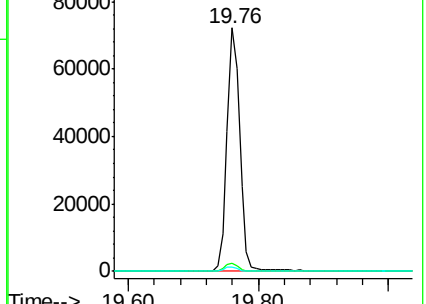
104 2.0 1.6 2.4



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: 0.373 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

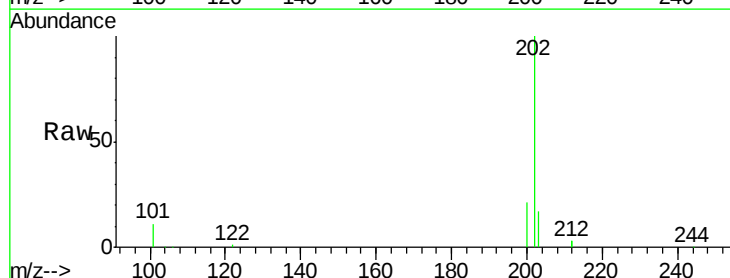
Tgt Ion:202 Resp: 29202

Ion Ratio Lower Upper

202 100

101 11.7 9.8 14.8

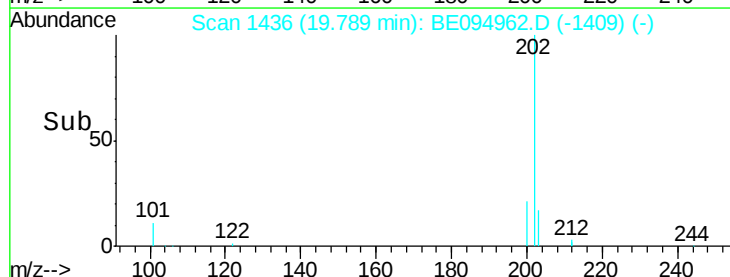
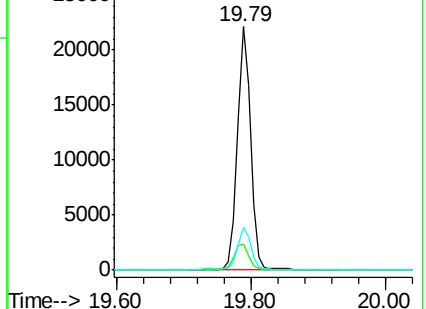
203 17.1 13.7 20.5

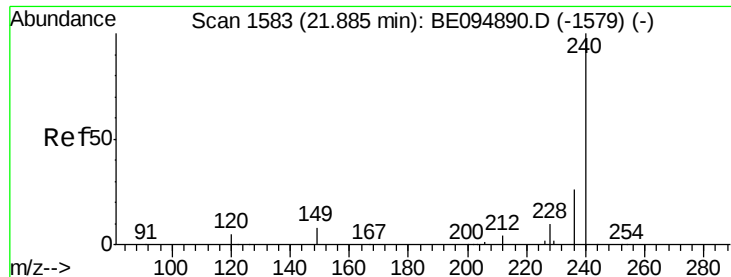


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

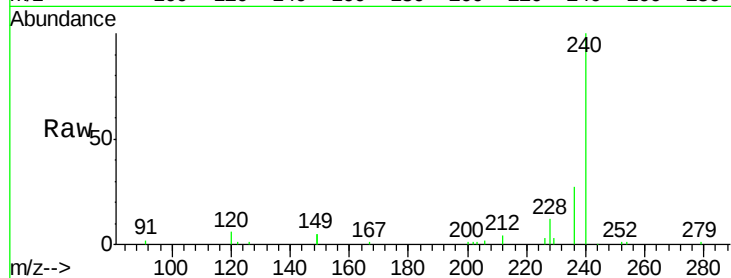
Tot Ion:240 Resp: 22554

Ion Ratio Lower Upper

240 100

120 6.2 5.5 8.3

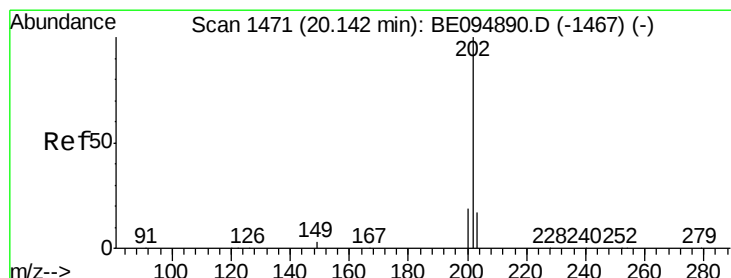
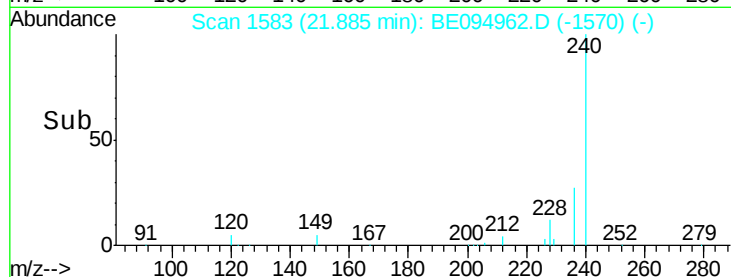
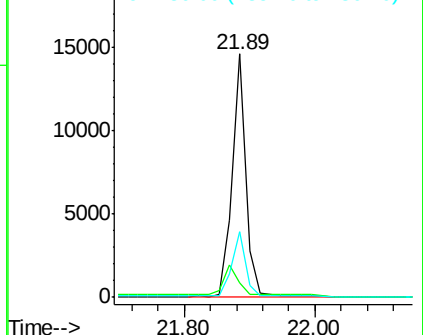
236 27.2 20.7 31.1



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: 0.432 ng

RT: 20.14 min Scan# 1471

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

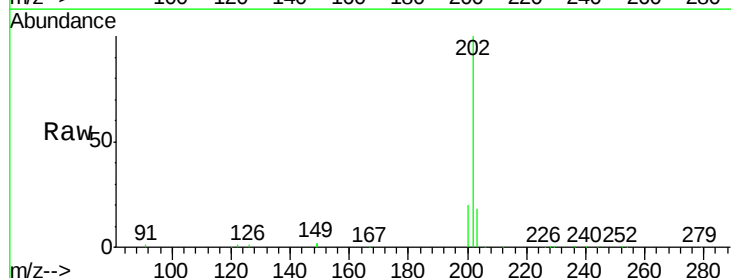
Tgt Ion:202 Resp: 33624

Ion Ratio Lower Upper

202 100

200 18.2 16.6 25.0

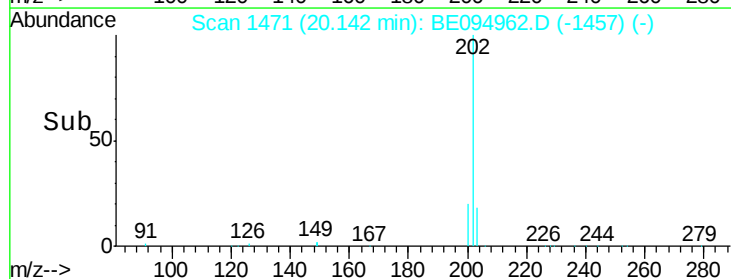
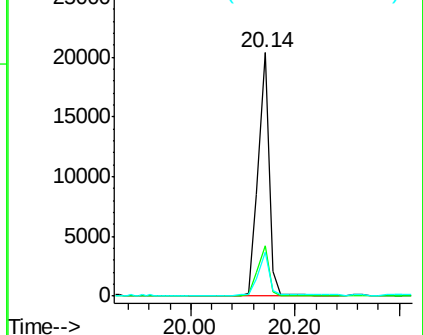
203 15.3 13.8 20.8

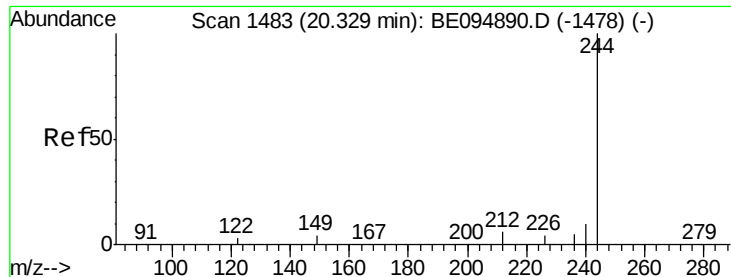


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.404 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

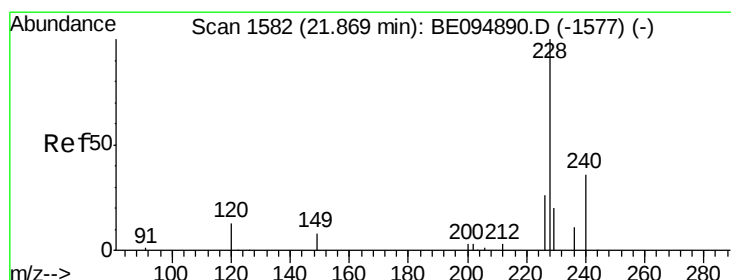
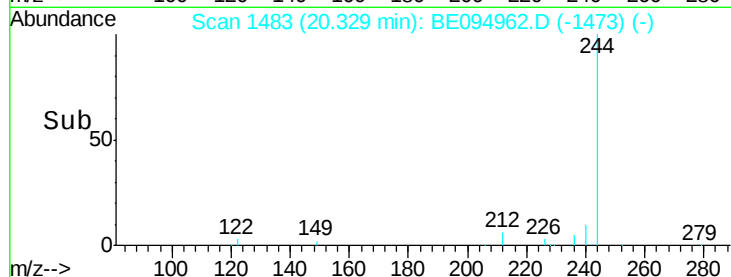
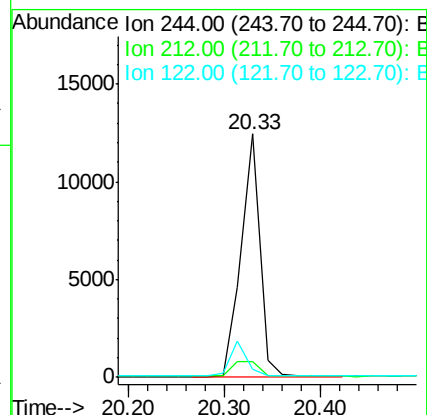
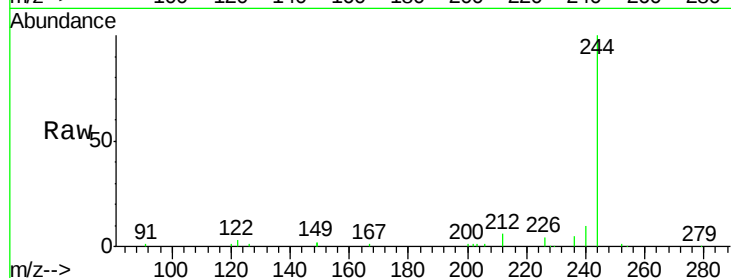
Tot Ion:244 Resp: 16833

Ion Ratio Lower Upper

244 100

212 6.5 25.4 38.0#

122 3.3 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.397 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

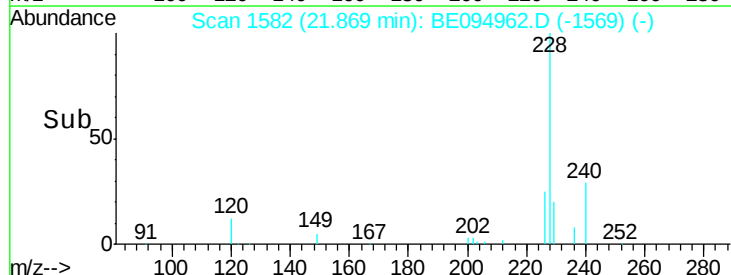
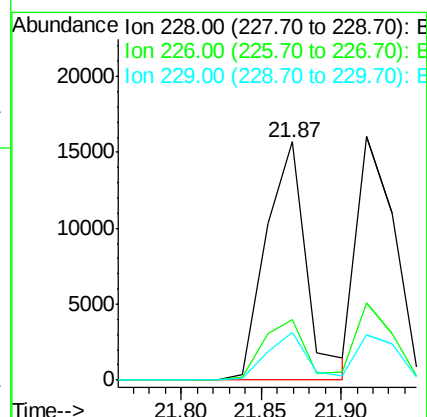
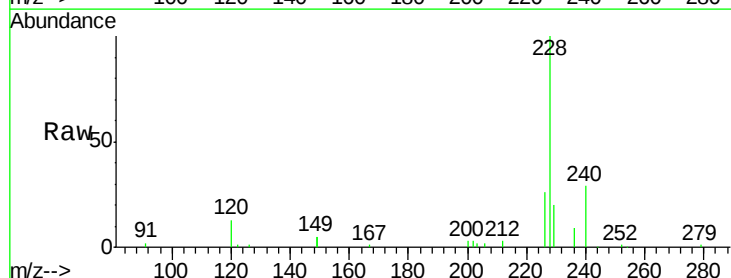
Tgt Ion:228 Resp: 27483

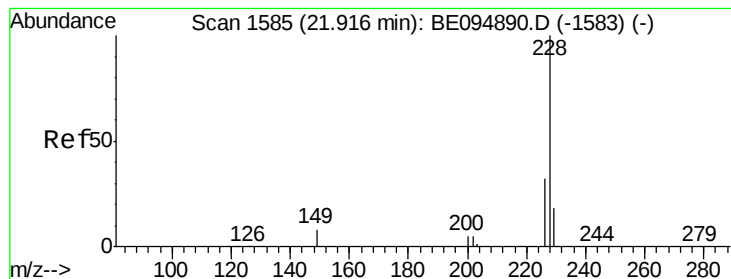
Ion Ratio Lower Upper

228 100

226 25.7 40.0 60.0#

229 20.1 40.0 60.0#





#31

Chrysene

Concen: 0.376 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

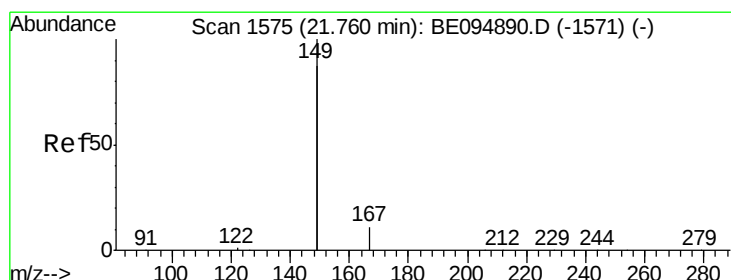
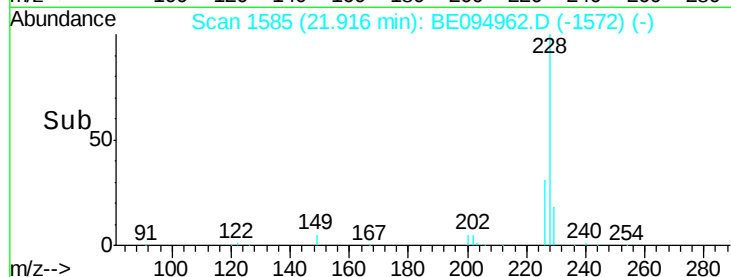
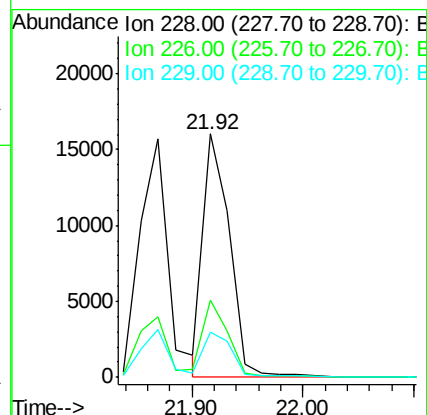
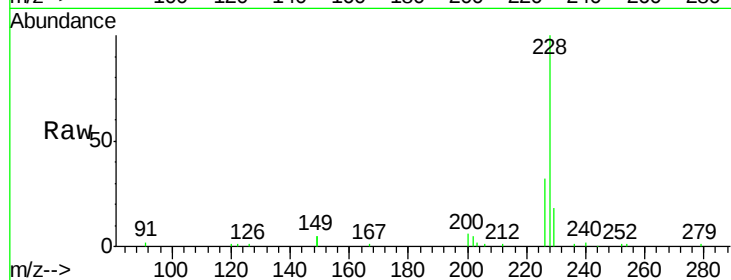
Tot Ion:228 Resp: 28760

Ion Ratio Lower Upper

228 100

226 31.7 40.0 60.0#

229 18.4 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.383 ng

RT: 21.74 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

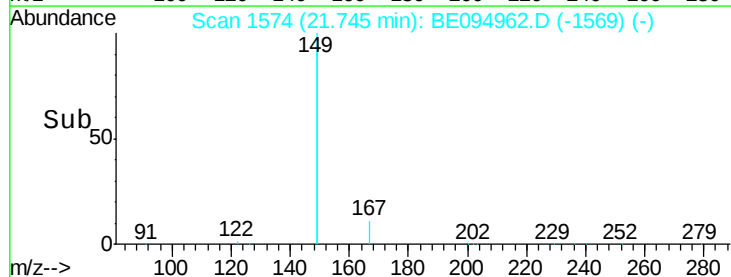
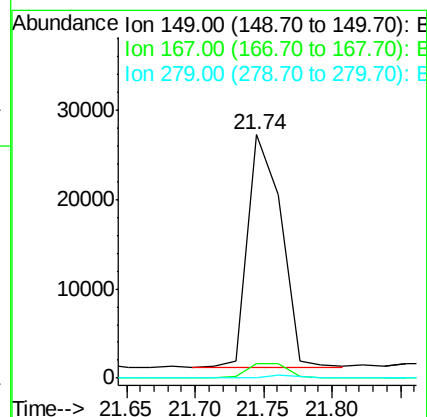
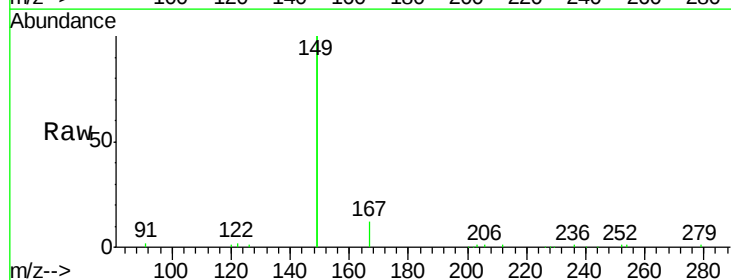
Tgt Ion:149 Resp: 43905

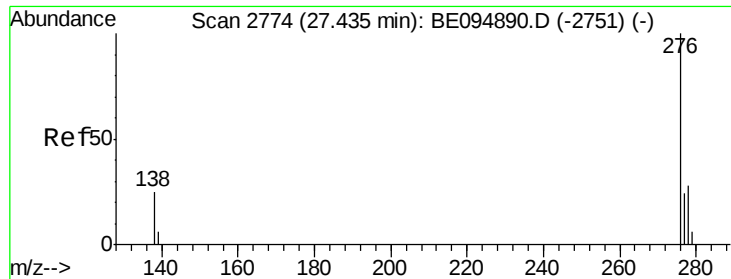
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.8 0.7 1.1

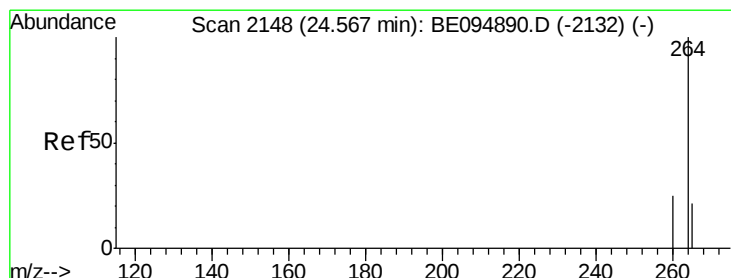
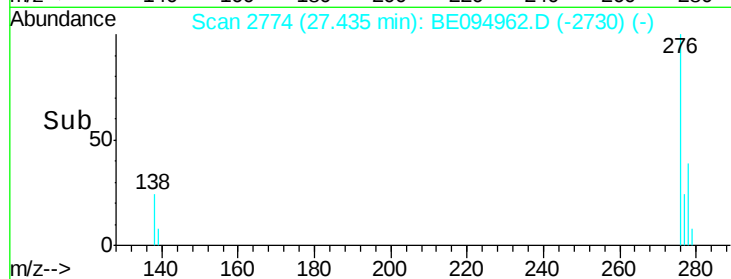
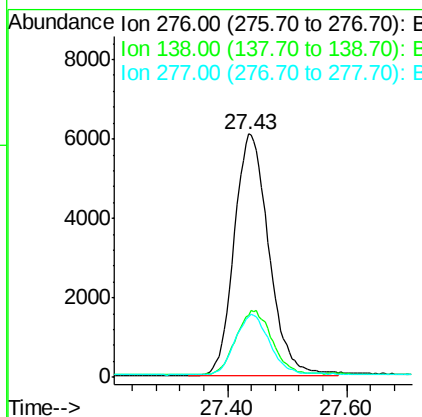
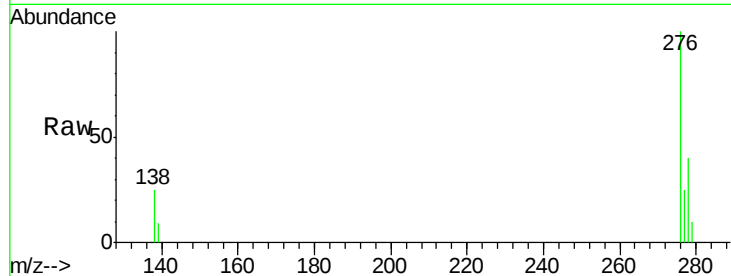




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.393 ng
 RT: 27.43 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: BE094962.D
 Acq: 8 Dec 2017 23:07

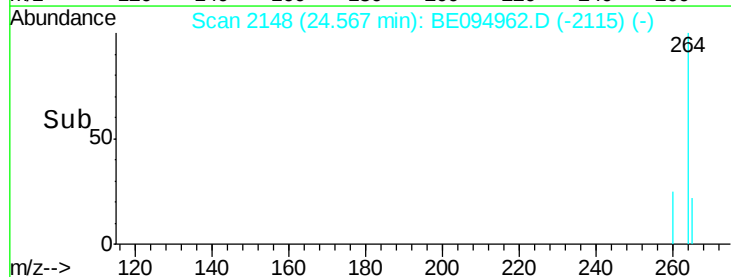
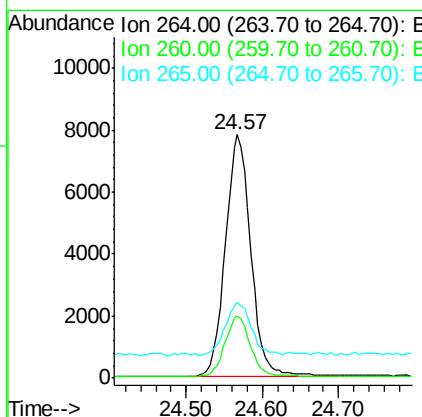
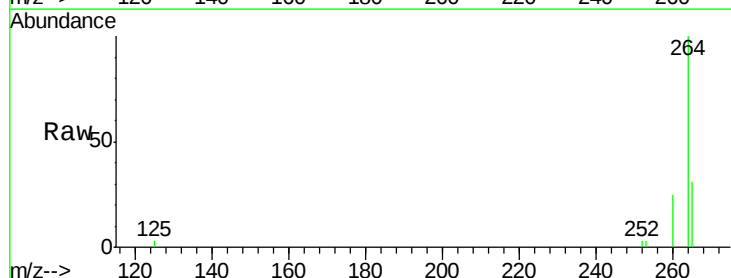
Instrument :
 BNA_E
 ClientSampleId :

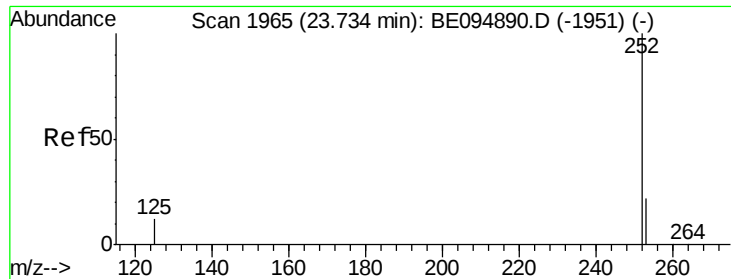
Tot Ion:276 Resp: 24596
 Ion Ratio Lower Upper
 276 100
 138 27.5 22.5 33.7
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: BE094962.D
 Acq: 8 Dec 2017 23:07

Tgt Ion:264 Resp: 18093
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.5 30.7
 265 31.3 22.8 34.2

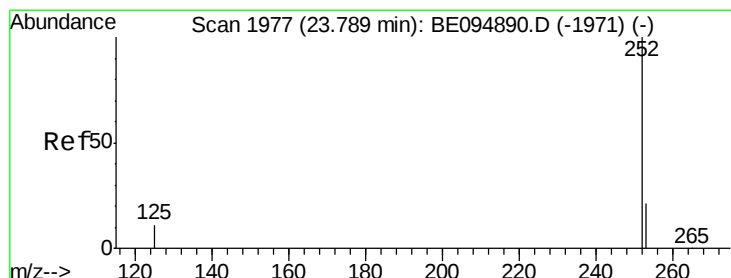
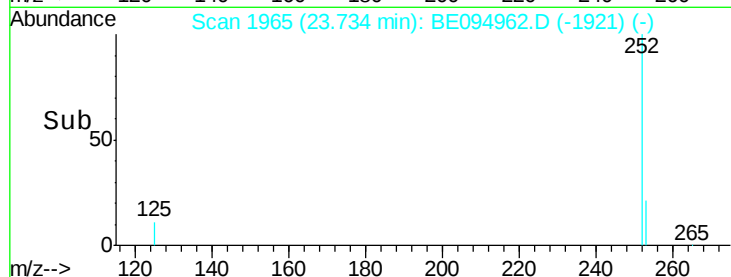
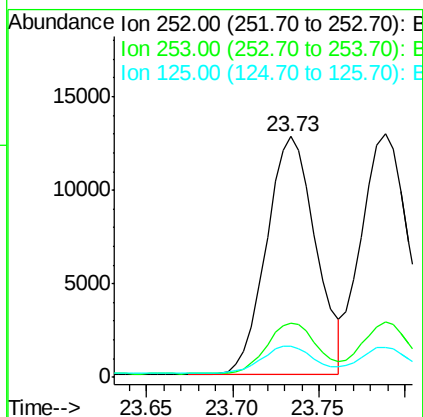
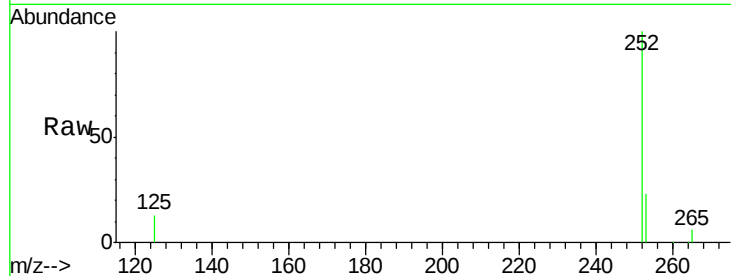




#35
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 23.73 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

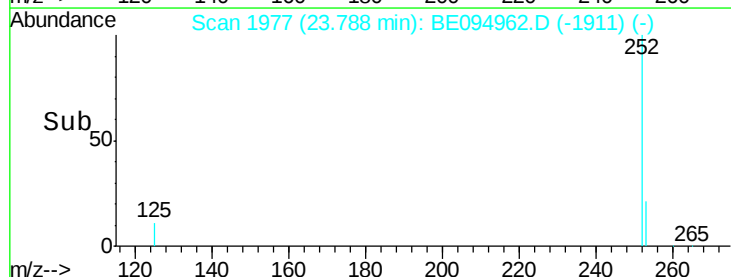
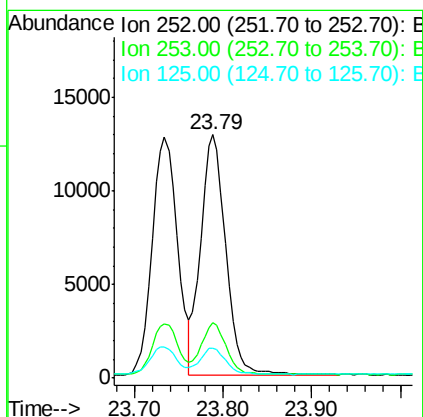
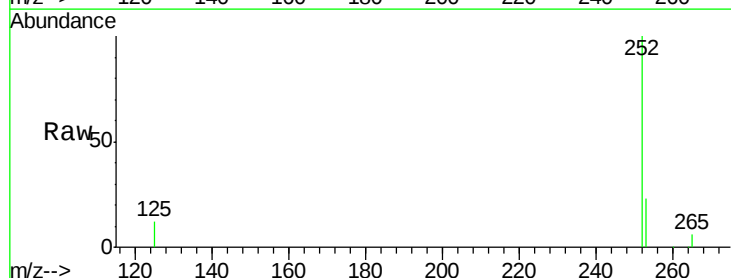
Instrument :
BNA_E
ClientSampleId :

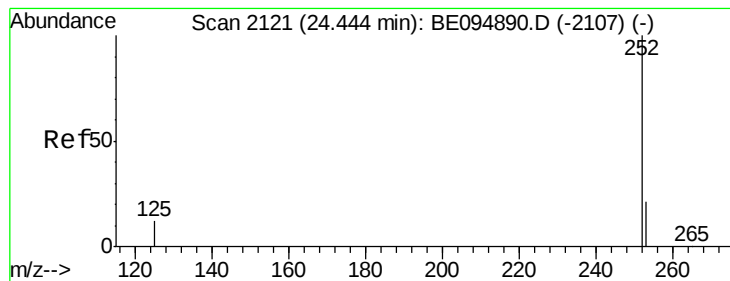
Tot Ion:252 Resp: 25380
Ion Ratio Lower Upper
252 100
253 22.6 48.0 72.0#
125 12.9 56.0 84.0#



#36
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 23.79 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BE094962.D
Acq: 8 Dec 2017 23:07

Tgt Ion:252 Resp: 25421
Ion Ratio Lower Upper
252 100
253 22.6 48.0 72.0#
125 12.4 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.389 ng

RT: 24.44 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :

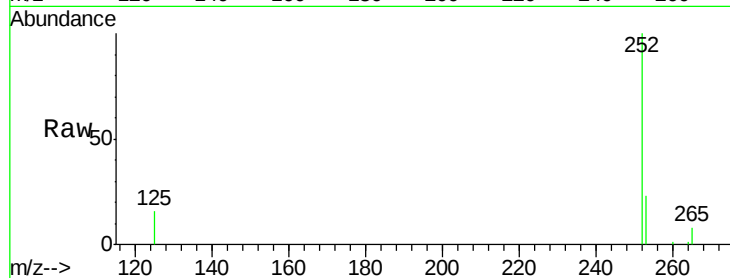
Tot Ion:252 Resp: 22542

Ion Ratio Lower Upper

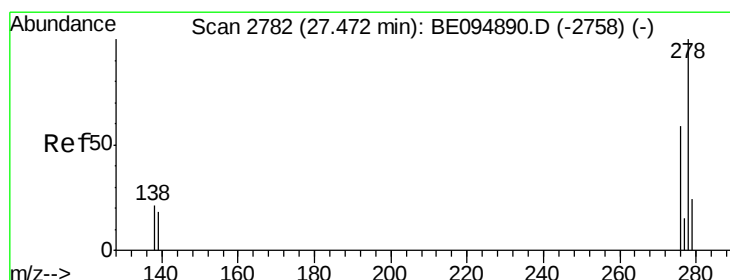
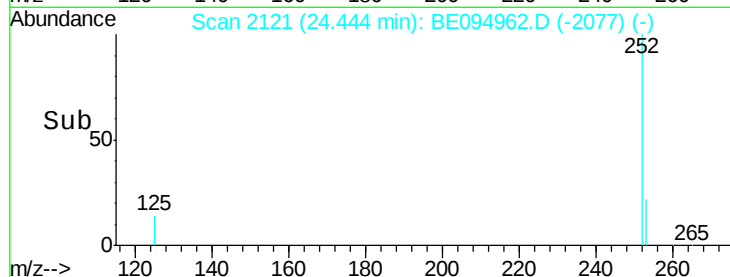
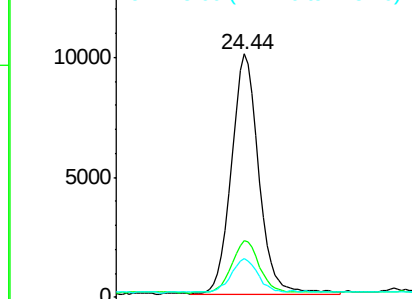
252 100

253 23.5 52.0 78.0#

125 16.0 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.392 ng

RT: 27.46 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

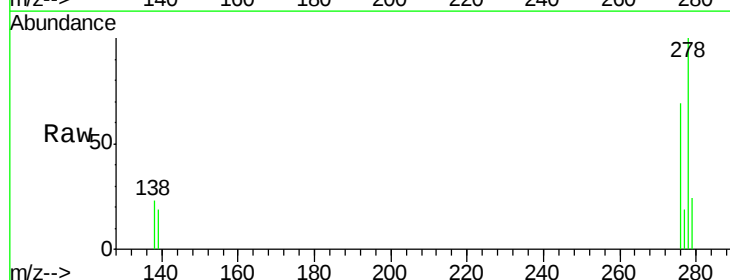
Tgt Ion:278 Resp: 20954

Ion Ratio Lower Upper

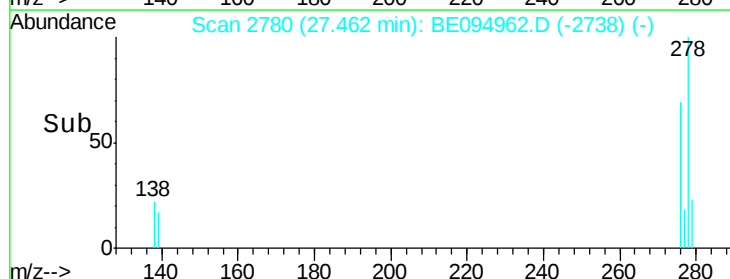
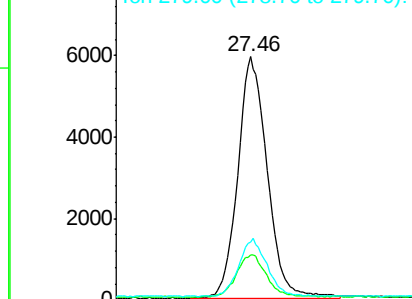
278 100

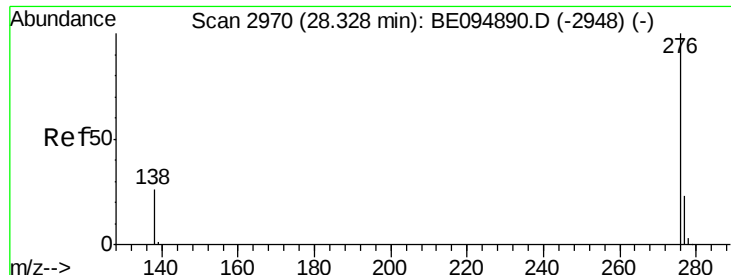
139 18.6 56.0 84.0#

279 23.9 52.0 78.0#



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: 0.390 ng

RT: 28.32 min Scan# 2969

Delta R.T. -0.00 min

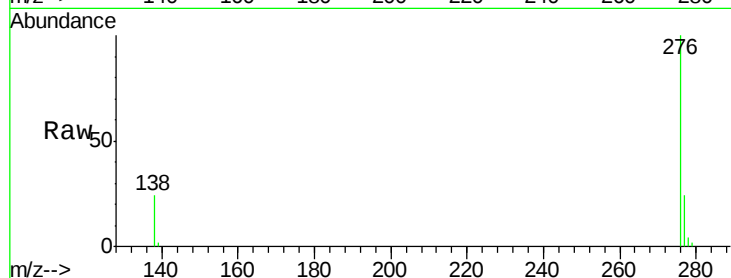
Lab File: BE094962.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 20821

Ion Ratio Lower Upper

276 100

277 24.5 52.0 78.0#

138 24.2 44.0 66.0#

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

