

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094969.D
 Acq On : 9 Dec 2017 3:21
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 09 05:39:06 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	6902	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	14755	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	8545	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	21323	0.40	ng	0.00
27) Chrysene-d12	21.89	240	22534	0.40	ng	0.00
34) Perylene-d12	24.56	264	17436	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	4341	0.40	ng	0.00
5) Phenol-d6	7.59	99	6486	0.40	ng	0.00
8) Nitrobenzene-d5	9.67	82	4883	0.56	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	9534	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	961	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	14625	0.40	ng	0.00
25) Fluoranthene-d10	19.76	212	103625	0.36	ng	0.00
29) Terphenyl-d14	20.33	244	16842	0.40	ng	0.00

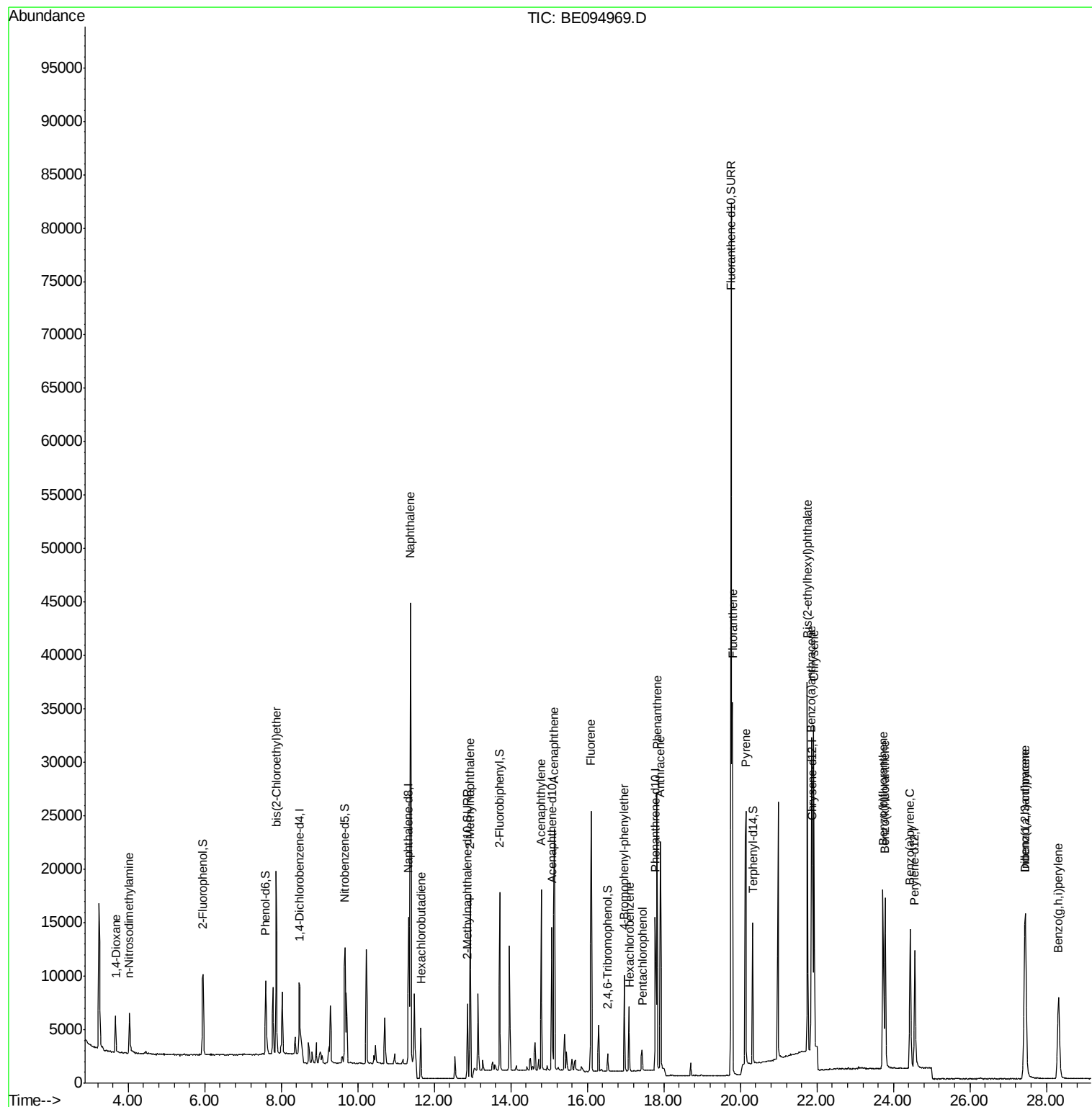
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.68	88	2693	0.373	ng	# 88
3) n-Nitrosodimethylamine	4.02	42	3289	0.357	ng	# 82
6) bis(2-Chloroethyl)ether	7.87	93	5892	0.367	ng	96
9) Naphthalene	11.38	128	68715	0.397	ng	100
10) Hexachlorobutadiene	11.64	225	2954	0.405	ng	98
12) 2-Methylnaphthalene	12.94	142	17189	0.400	ng	98
16) Acenaphthylene	14.79	152	17943	0.372	ng	99
17) Acenaphthene	15.13	154	12215	0.391	ng	96
18) Fluorene	16.10	166	15513	0.391	ng	# 79
20) 4-Bromophenyl-phenylether	16.97	248	4542	0.382	ng	# 68
21) Hexachlorobenzene	17.10	284	4778	0.412	ng	# 79
22) Pentachlorophenol	17.43	266	1165	0.437	ng	# 72
23) Phenanthrene	17.82	178	26081	0.384	ng	99
24) Anthracene	17.91	178	26182	0.363	ng	# 94
26) Fluoranthene	19.79	202	31139	0.357	ng	99
28) Pyrene	20.14	202	31310	0.402	ng	99
30) Benzo(a)anthracene	21.86	228	25948	0.376	ng	# 62
31) Chrysene	21.92	228	28742	0.376	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.75	149	39515	0.345	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	24214	0.388	ng	99
35) Benzo(b)fluoranthene	23.73	252	24691	0.388	ng	# 40
36) Benzo(k)fluoranthene	23.78	252	24572	0.379	ng	# 40
37) Benzo(a)pyrene	24.44	252	21900	0.392	ng	# 34
38) Dibenzo(a,h)anthracene	27.46	278	20325	0.394	ng	# 44
39) Benzo(g,h,i)perylene	28.32	276	20025	0.389	ng	# 53

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

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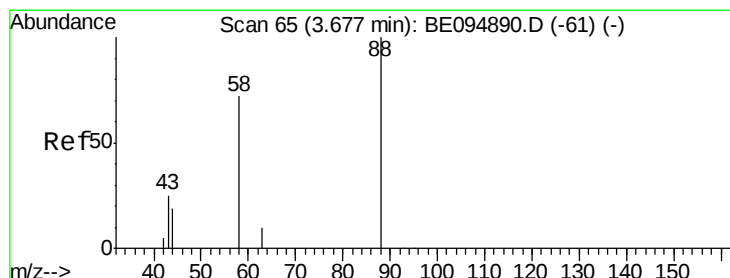
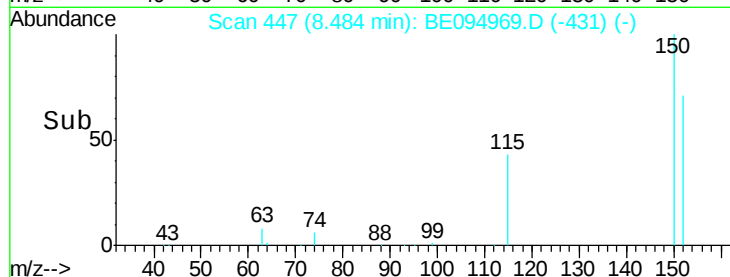
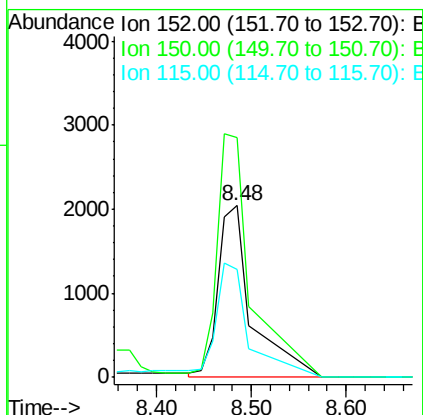
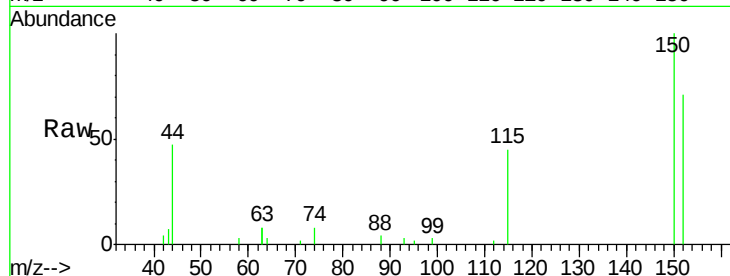


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094969.D
Acq: 9 Dec 2017 3:21

Instrument :
BNA_E
ClientSampleId :

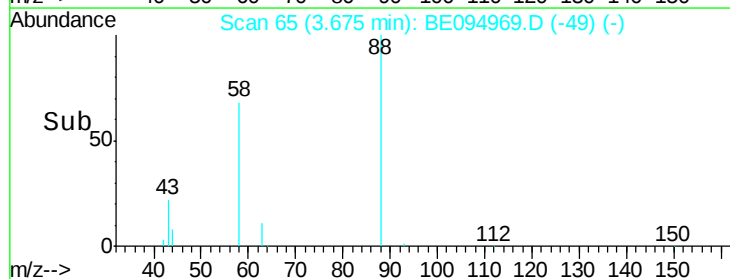
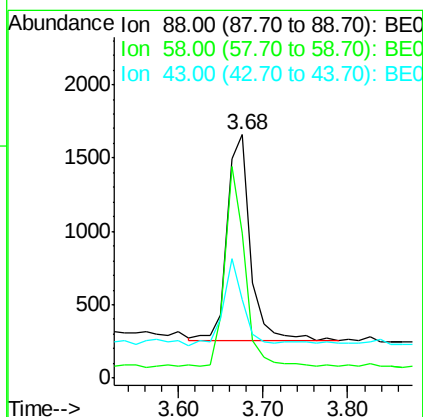
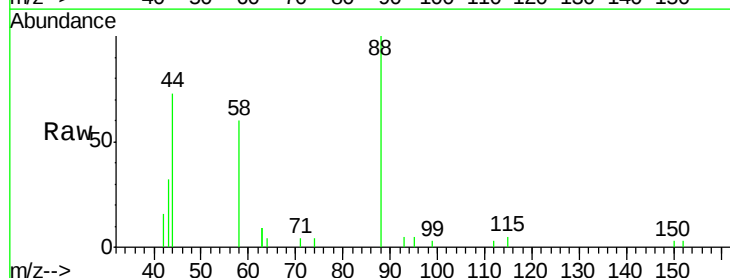
Tot Ion:152 Resp: 6902
Ion Ratio Lower Upper
152 100
150 140.0 117.2 175.8
115 63.1 57.0 85.6

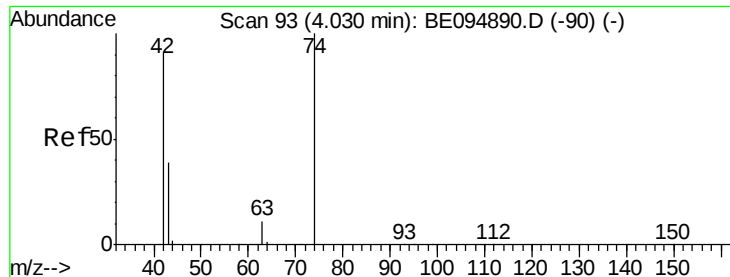


#2

1,4-Dioxane
Concen: 0.373 ng
RT: 3.68 min Scan# 65
Delta R.T. -0.00 min
Lab File: BE094969.D
Acq: 9 Dec 2017 3:21

Tgt Ion: 88 Resp: 2693
Ion Ratio Lower Upper
88 100
58 83.0 63.2 94.8
43 35.2 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.357 ng

RT: 4.02 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampled :

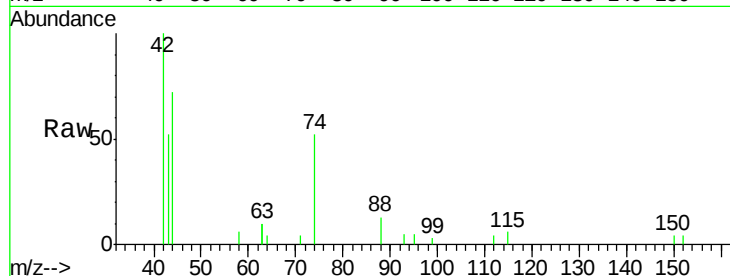
Tot Ion: 42 Resp: 3289

Ion Ratio Lower Upper

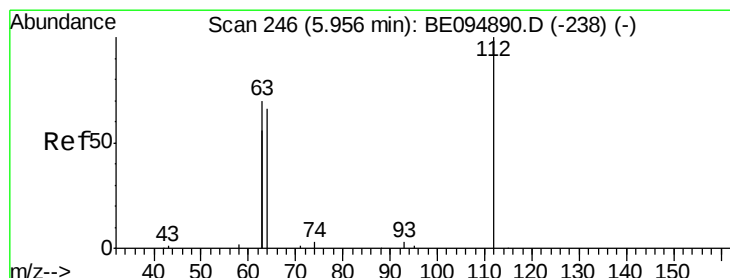
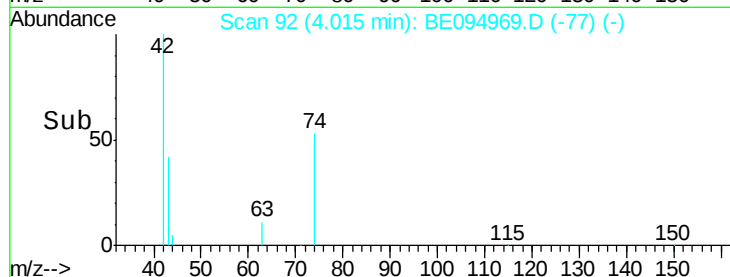
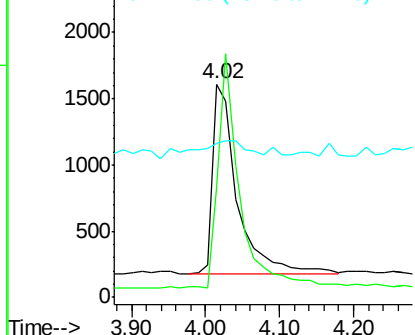
42 100

74 109.8 100.3 150.5

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: 0.397 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

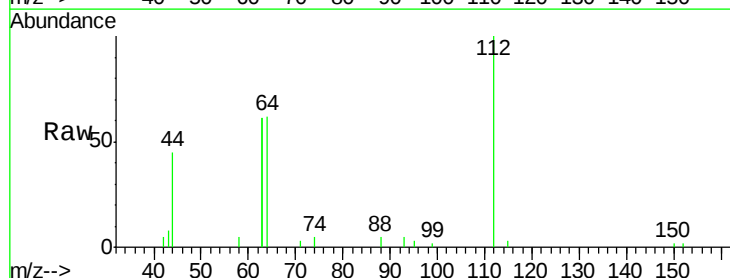
Tgt Ion: 112 Resp: 4341

Ion Ratio Lower Upper

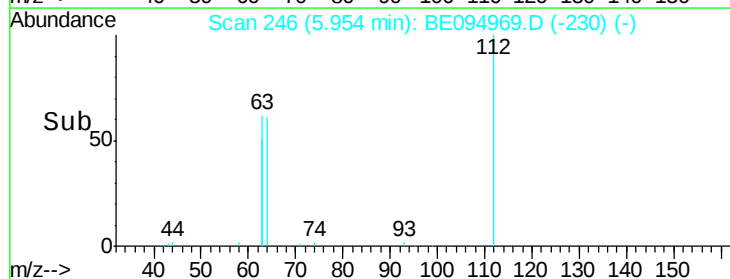
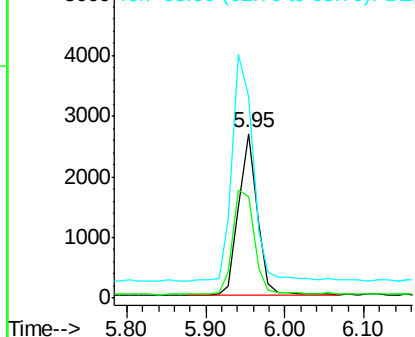
112 100

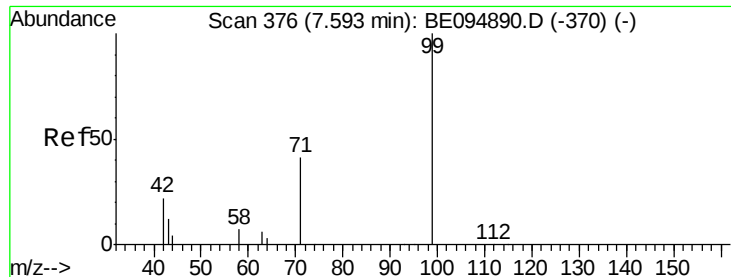
64 78.3 60.1 90.1

63 162.7 116.8 175.2



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: 0.401 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

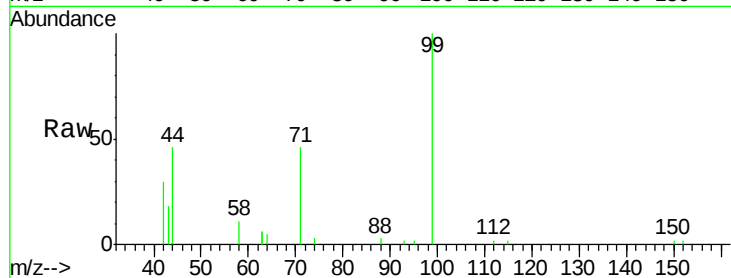
Tot Ion: 99 Resp: 6486

Ion Ratio Lower Upper

99 100

42 26.8 20.2 30.2

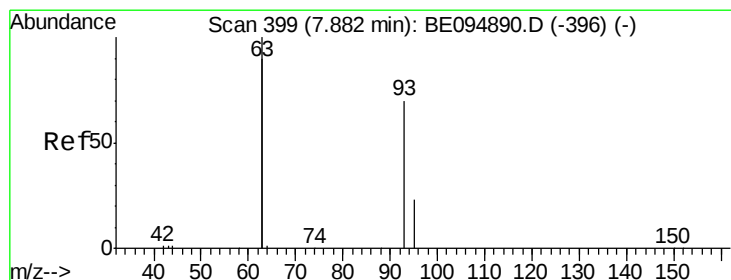
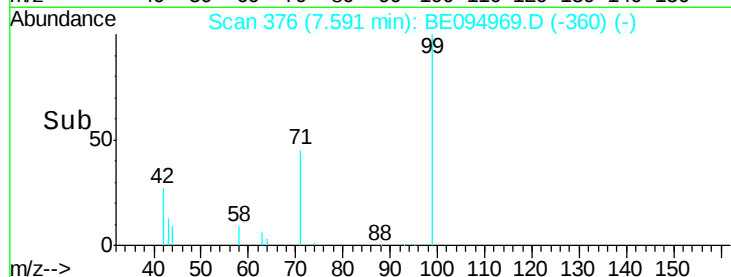
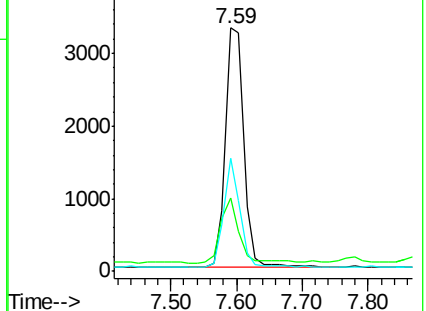
71 38.6 28.4 42.6



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: 0.367 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

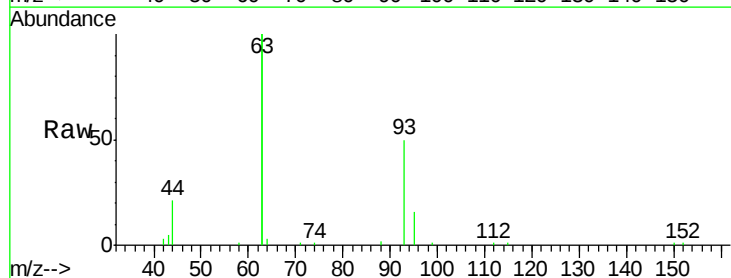
Tgt Ion: 93 Resp: 5892

Ion Ratio Lower Upper

93 100

63 336.0 275.3 412.9

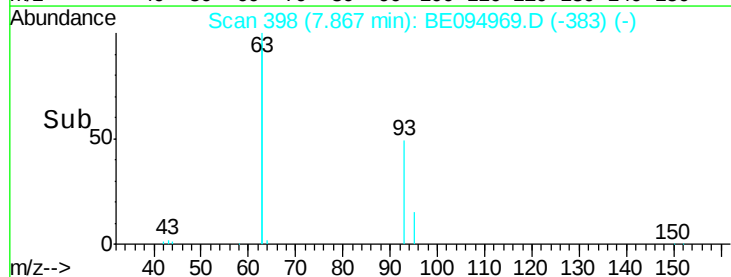
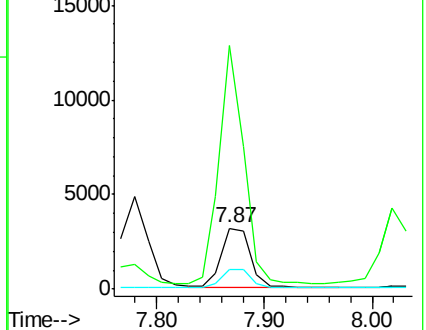
95 32.1 25.2 37.8

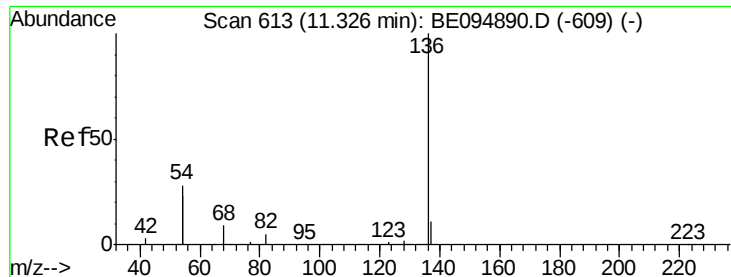


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14755

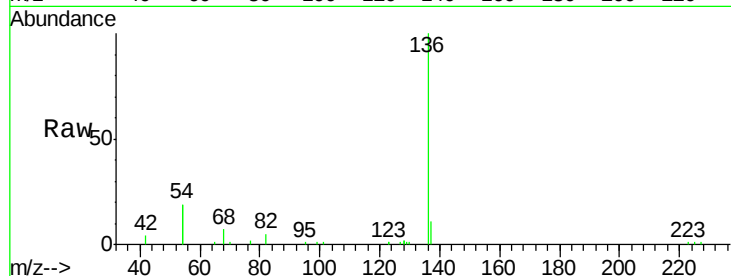
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 38.2 29.1 43.7

68 7.4 6.2 9.2

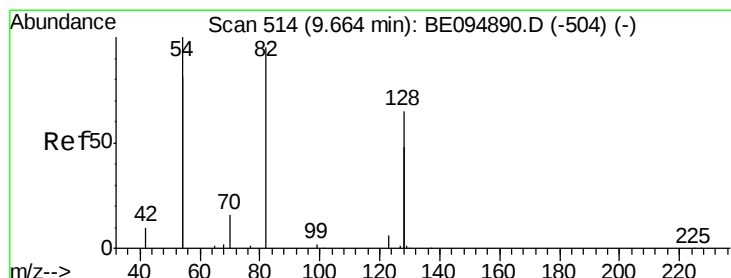
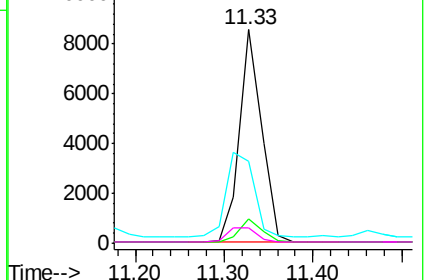
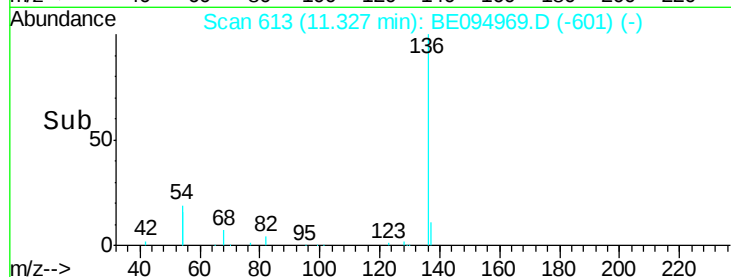


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.559 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

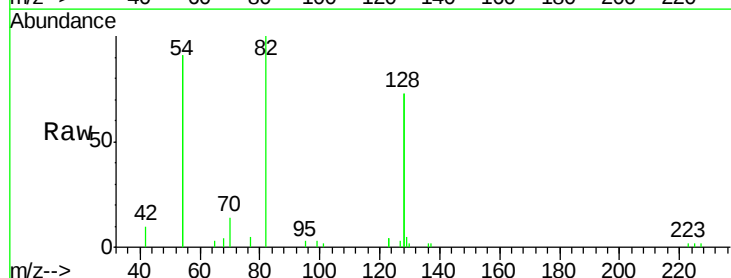
Tgt Ion: 82 Resp: 4883

Ion Ratio Lower Upper

82 100

128 146.7 150.0 225.0#

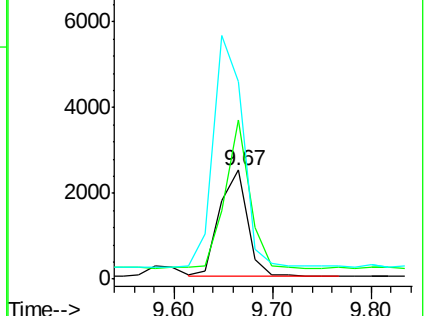
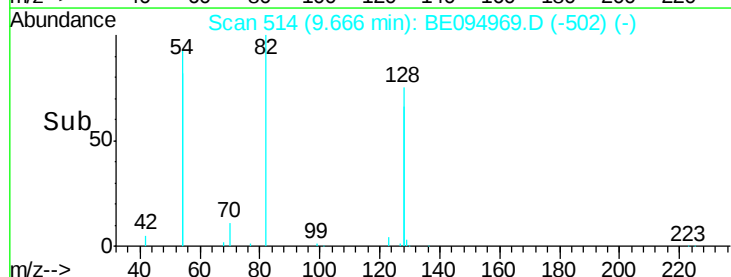
54 181.4 154.2 231.4

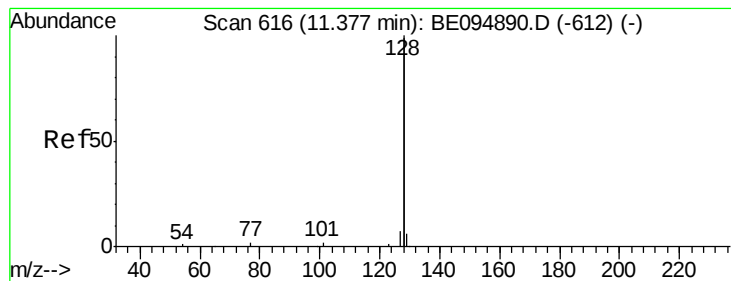


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

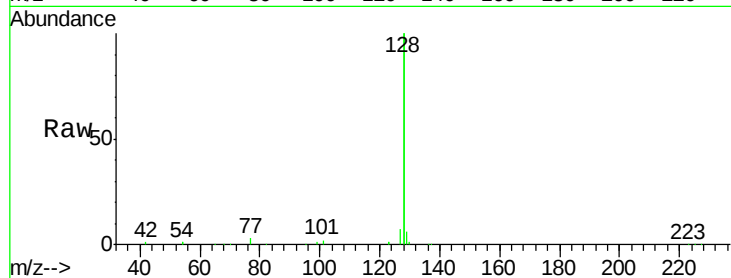
Tot Ion:128 Resp: 68715

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

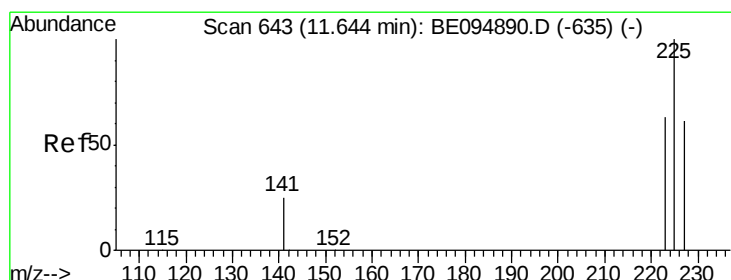
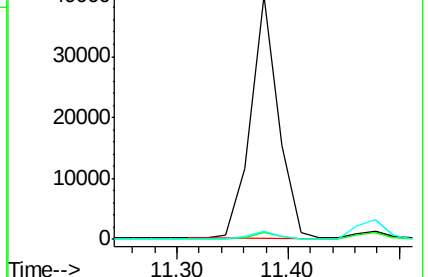
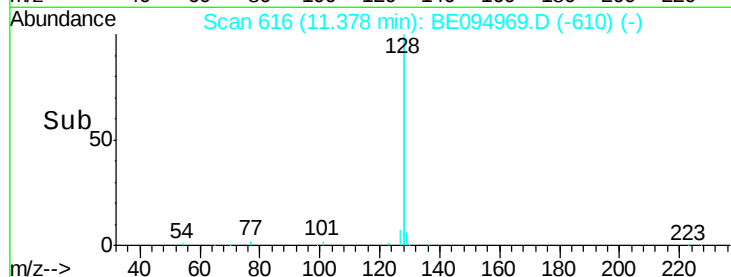
127 3.5 2.8 4.2



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: 0.405 ng

RT: 11.64 min Scan# 643

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

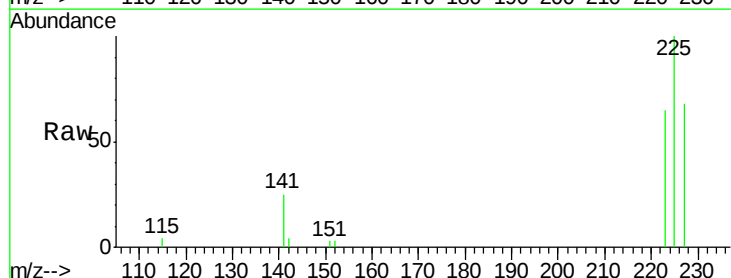
Tgt Ion:225 Resp: 2954

Ion Ratio Lower Upper

225 100

223 63.9 53.0 79.6

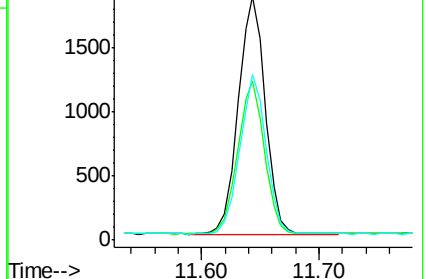
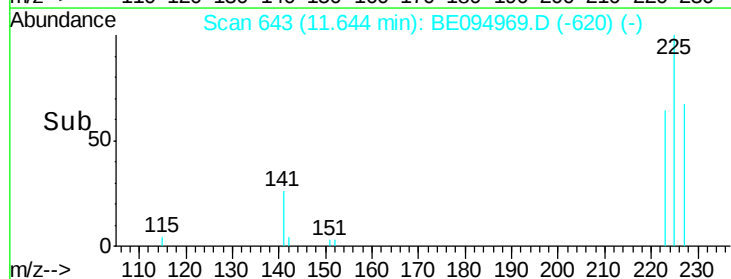
227 65.4 51.4 77.2

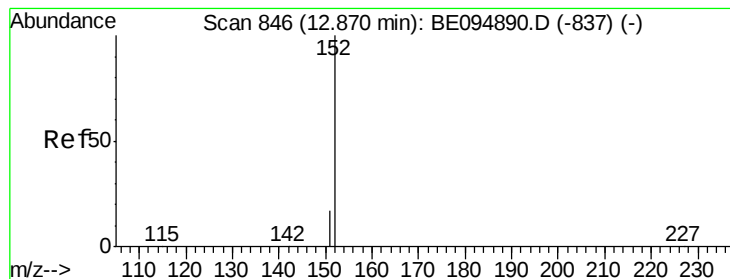


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 12.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

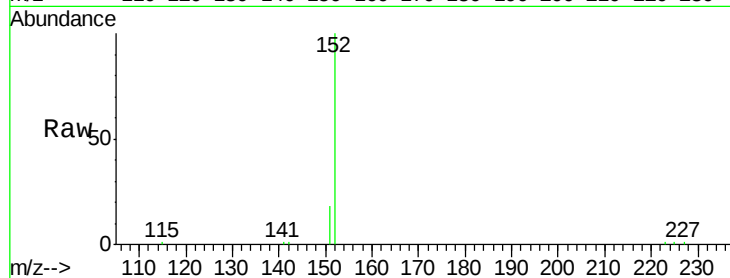
ClientSampleId :

Tot Ion:152 Resp: 9534

Ion Ratio Lower Upper

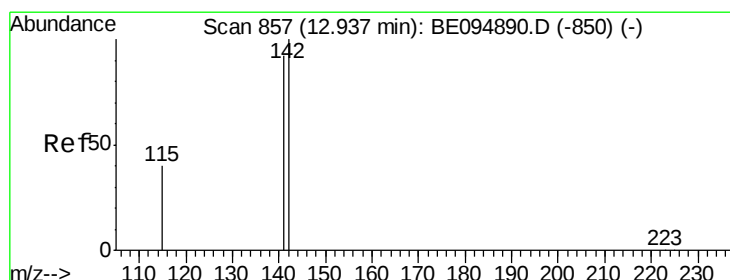
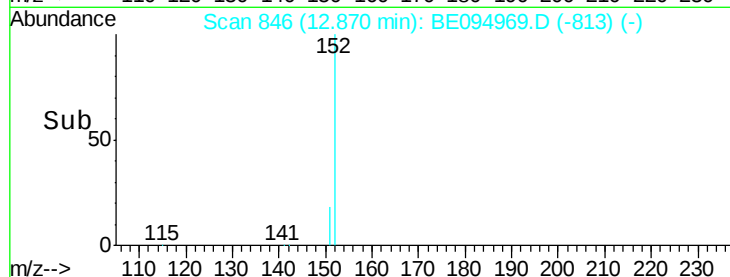
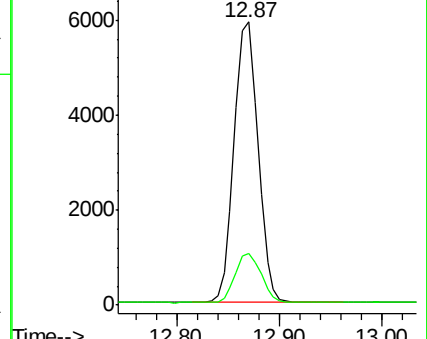
152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 12.94 min Scan# 857

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

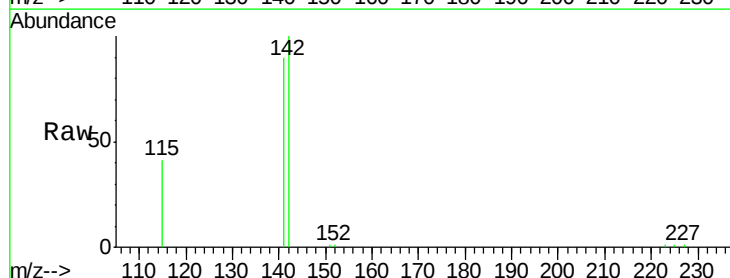
Tgt Ion:142 Resp: 17189

Ion Ratio Lower Upper

142 100

141 90.2 70.4 105.6

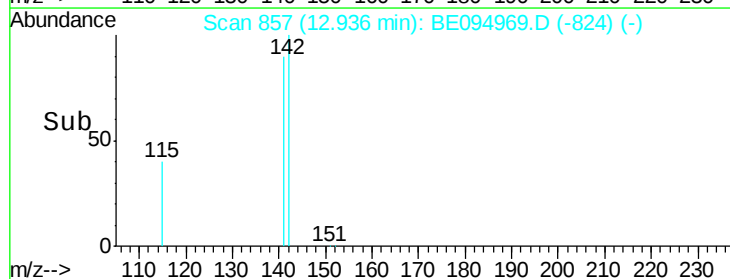
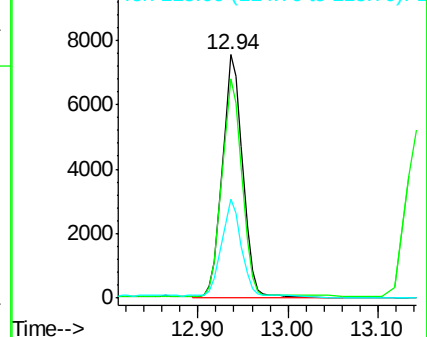
115 40.8 31.7 47.5

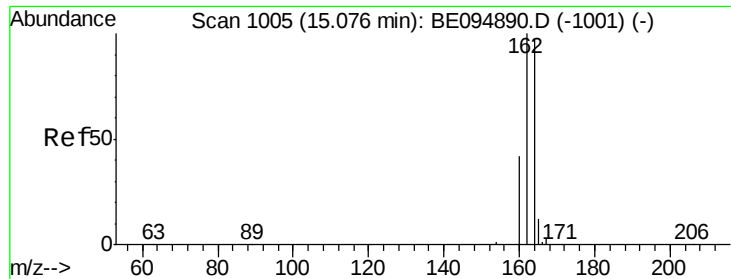


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

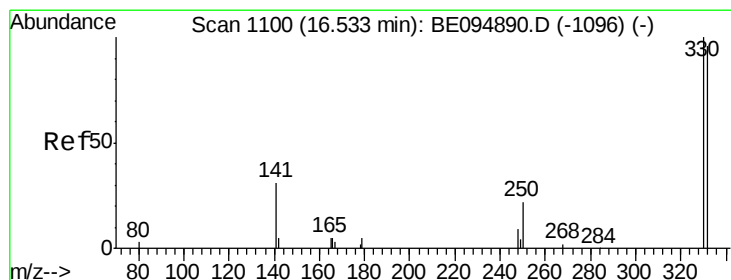
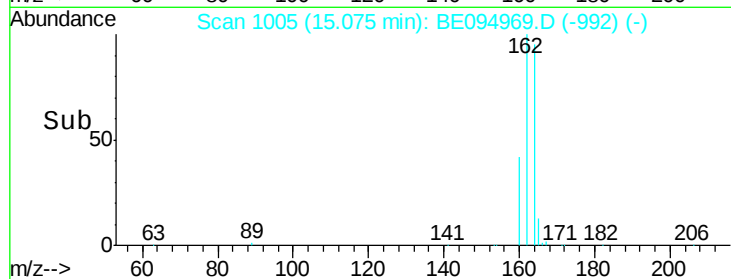
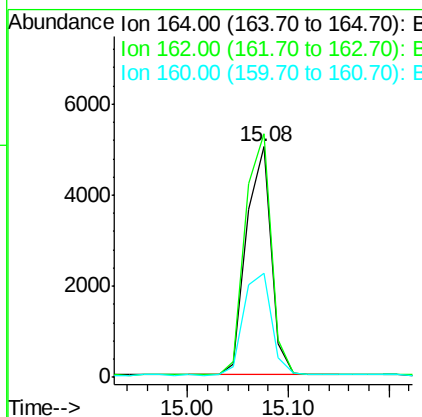
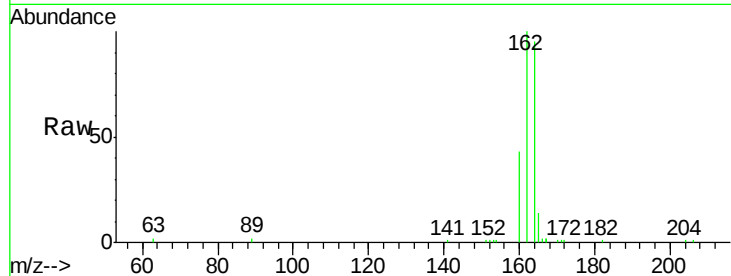




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE094969.D
Acq: 9 Dec 2017 3:21

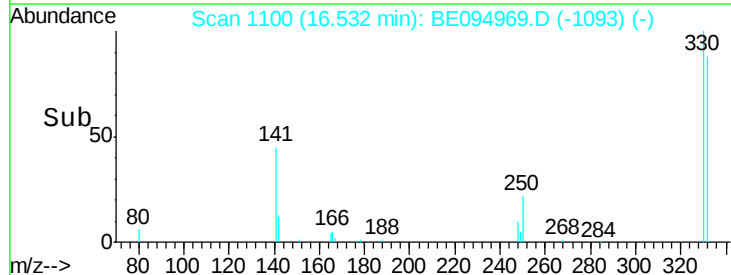
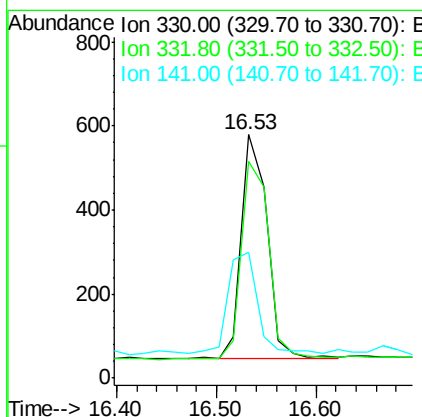
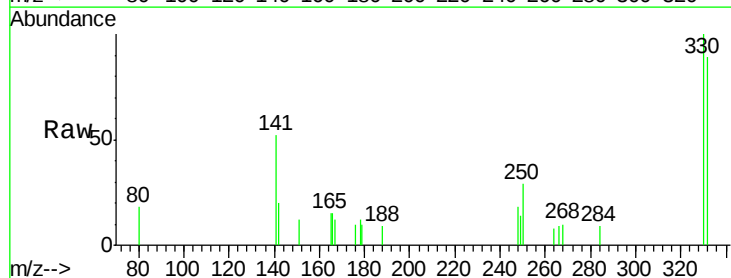
Instrument :
BNA_E
ClientSampleId :

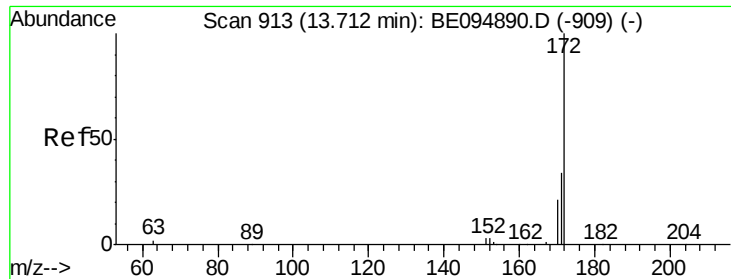
Tot Ion:164 Resp: 8545
Ion Ratio Lower Upper
164 100
162 105.7 83.1 124.7
160 45.4 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.518 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094969.D
Acq: 9 Dec 2017 3:21

Tgt Ion:330 Resp: 961
Ion Ratio Lower Upper
330 100
332 94.1 152.7 229.1#
141 51.8 33.7 50.5#

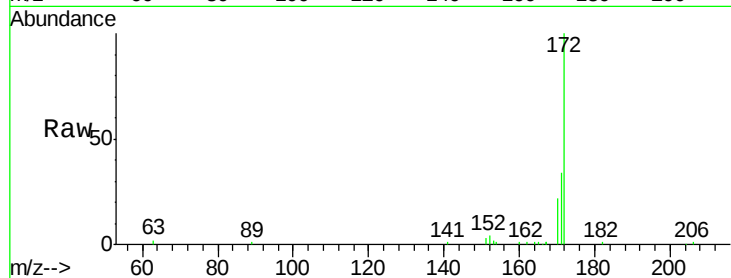




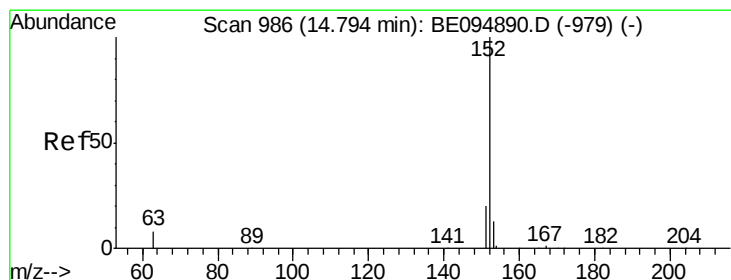
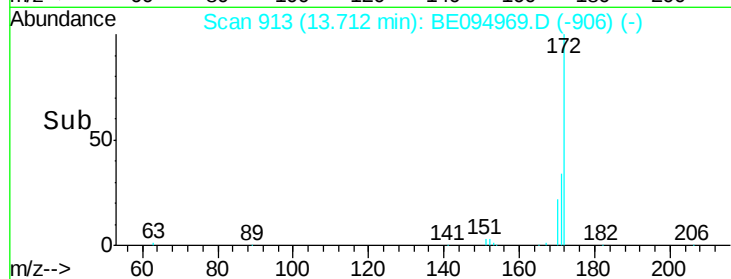
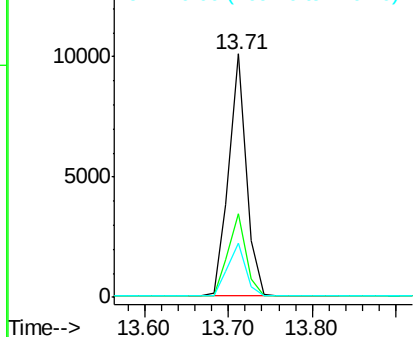
#15
 2-Fluorobiphenyl
 Concen: 0.400 ng
 RT: 13.71 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BE094969.D
 Acq: 9 Dec 2017 3:21

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:172 Resp: 14625
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.9 44.9
 170 22.0 21.8 32.8

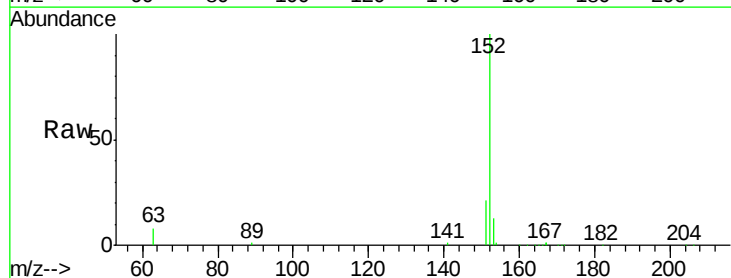


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

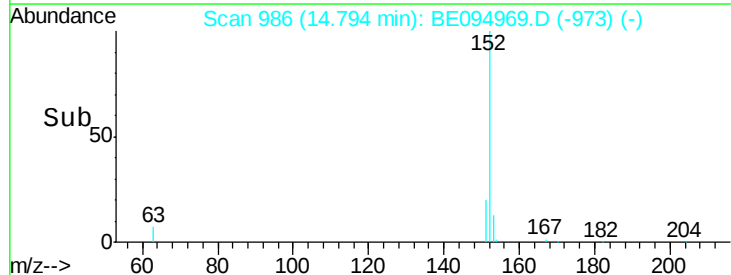
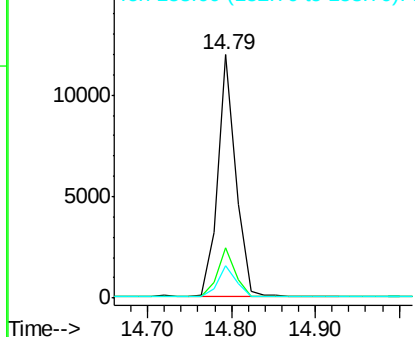


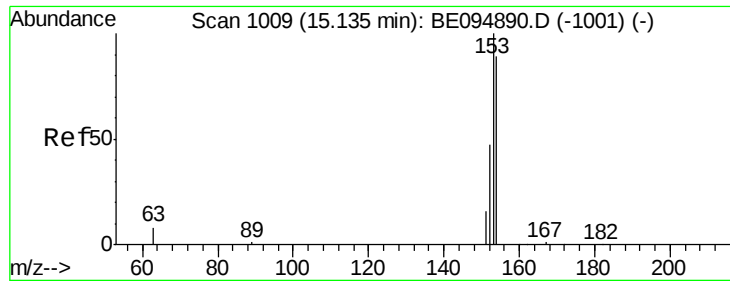
#16
 Acenaphthylene
 Concen: 0.372 ng
 RT: 14.79 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BE094969.D
 Acq: 9 Dec 2017 3:21

Tgt Ion:152 Resp: 17943
 Ion Ratio Lower Upper
 152 100
 151 20.4 15.7 23.5
 153 13.1 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: 0.391 ng

RT: 15.13 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

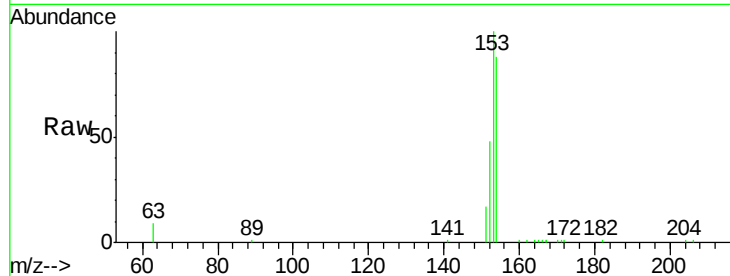
Tot Ion:154 Resp: 12215

Ion Ratio Lower Upper

154 100

153 113.8 89.2 133.8

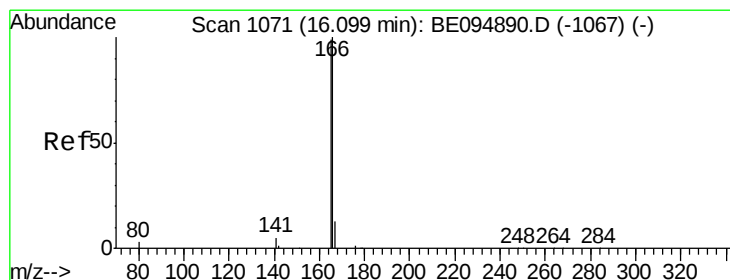
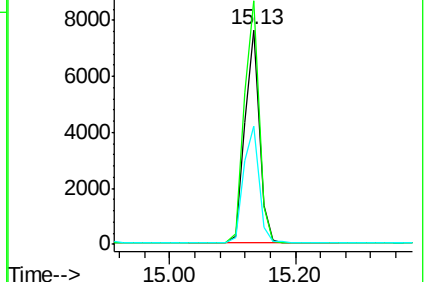
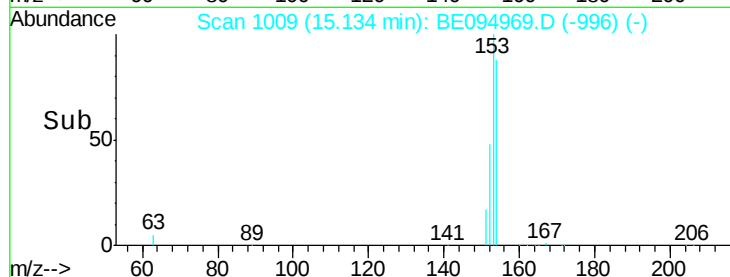
152 57.3 42.0 63.0



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: 0.391 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

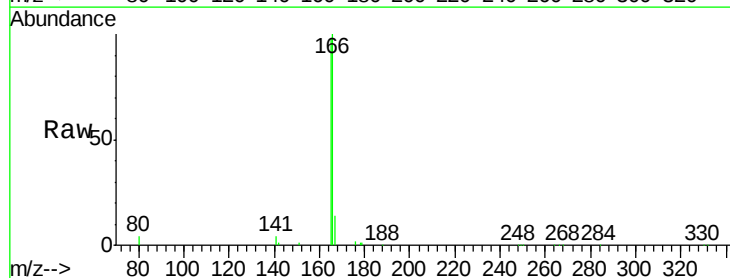
Tgt Ion:166 Resp: 15513

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.6

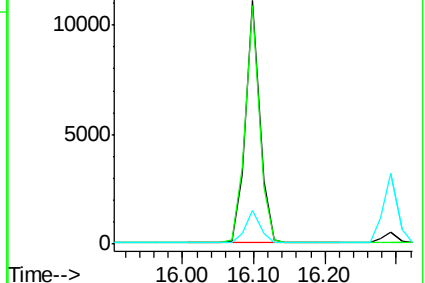
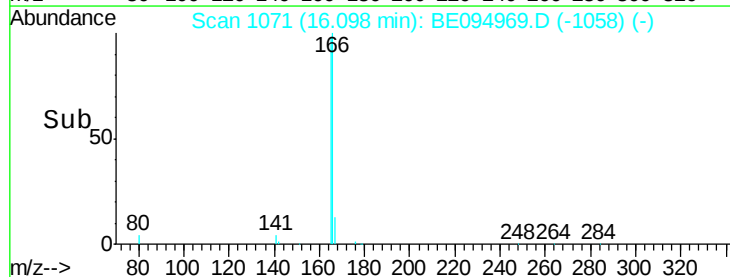
167 13.5 42.4 63.6#

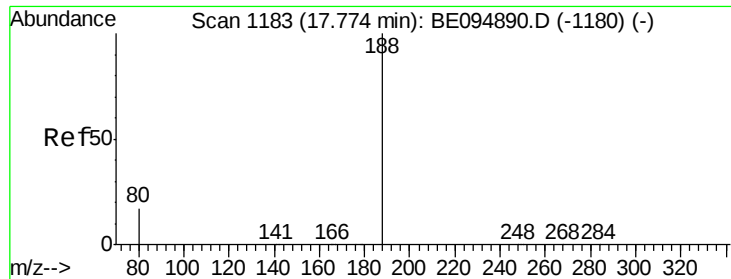


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

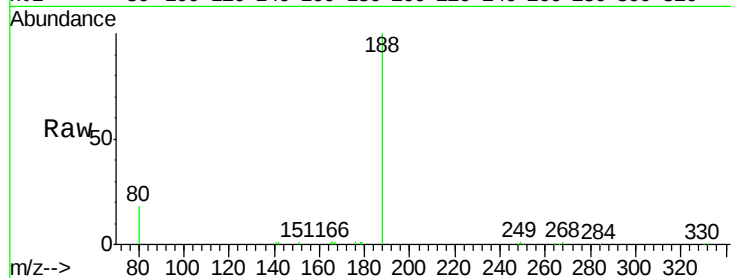
Tot Ion:188 Resp: 21323

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 17.8 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

15000

10000

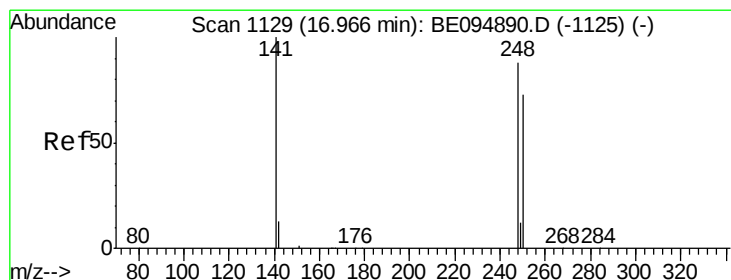
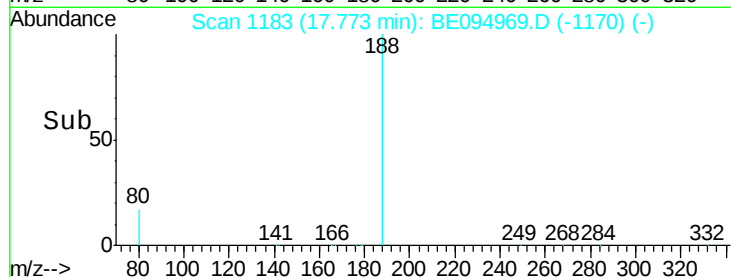
5000

0

17.77

17.70 17.80

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.382 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

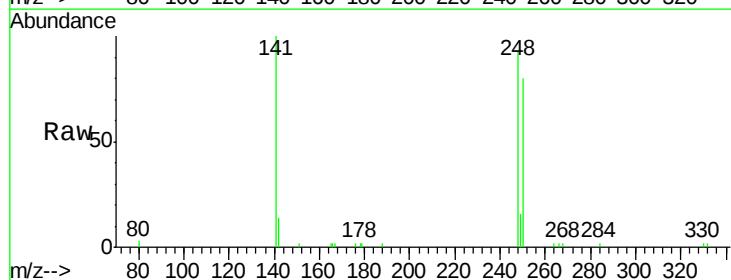
Tgt Ion:248 Resp: 4542

Ion Ratio Lower Upper

248 100

250 86.1 62.7 94.1

141 107.4 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

4000

3000

2000

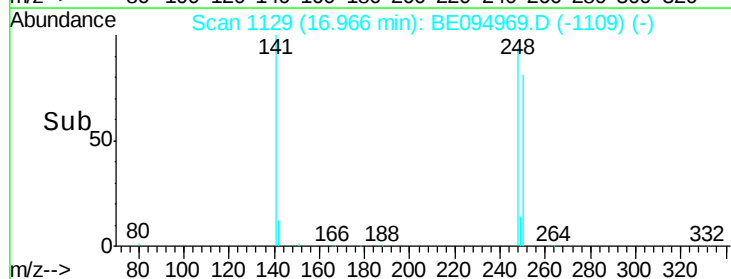
1000

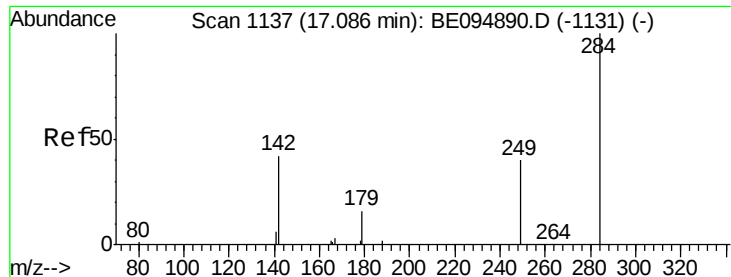
0

16.97

16.90 17.00

Time-->





#21

Hexachlorobenzene

Concen: 0.412 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

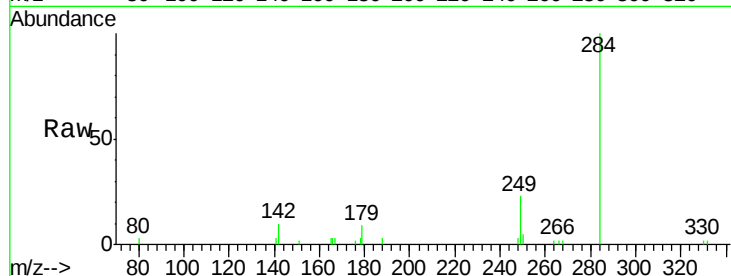
Tot Ion:284 Resp: 4778

Ion Ratio Lower Upper

284 100

142 43.1 22.1 33.1#

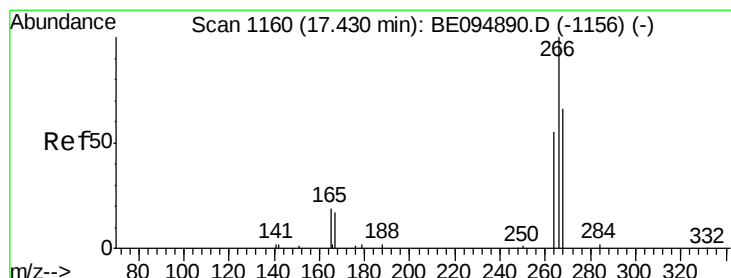
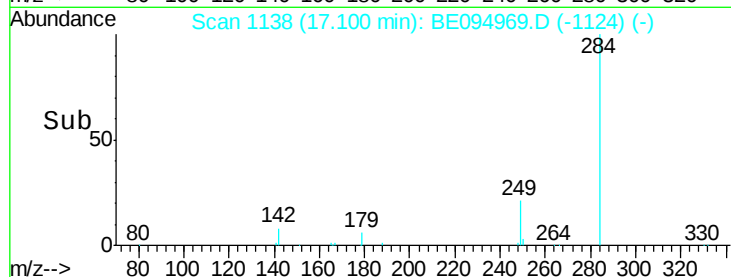
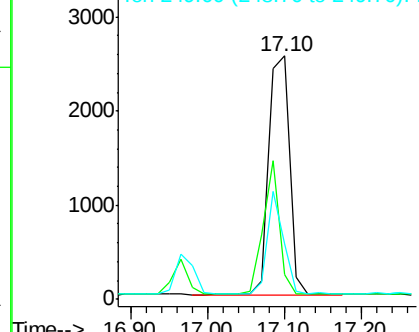
249 33.5 34.8 52.2#



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: 0.437 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

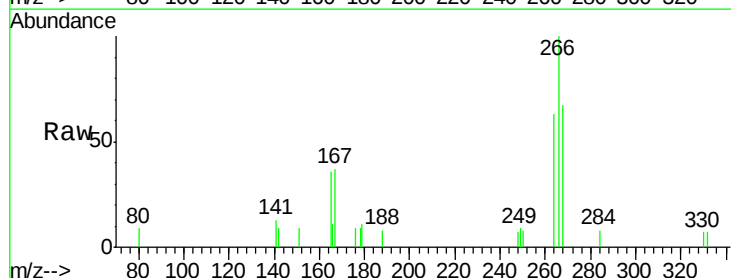
Tgt Ion:266 Resp: 1165

Ion Ratio Lower Upper

266 100

264 62.9 72.5 108.7#

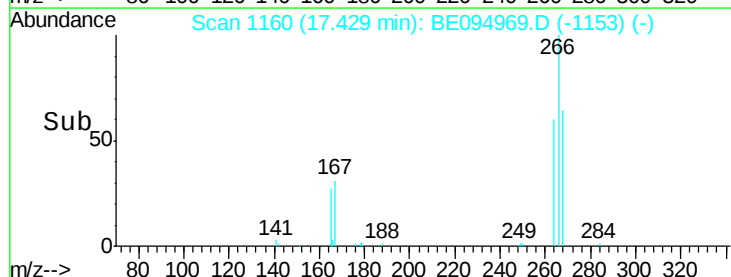
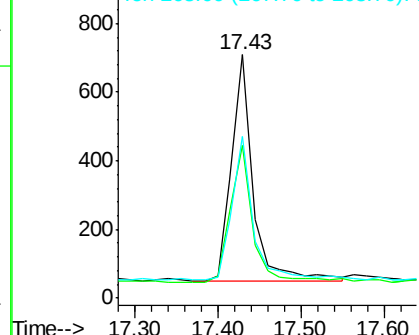
268 66.6 73.8 110.6#

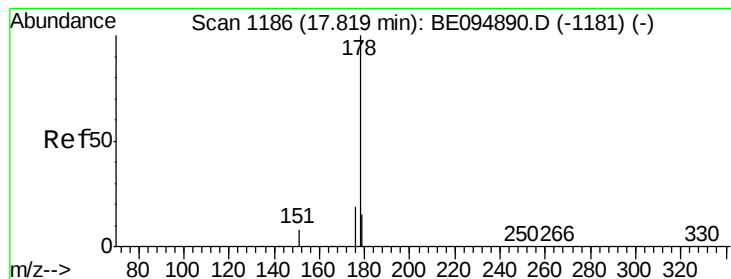


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.384 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

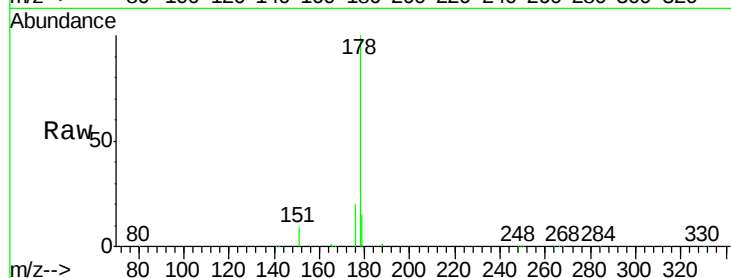
Tot Ion:178 Resp: 26081

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

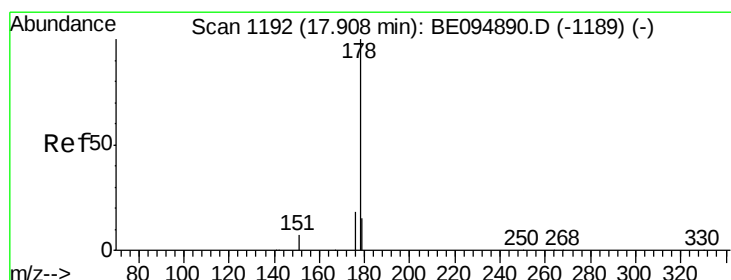
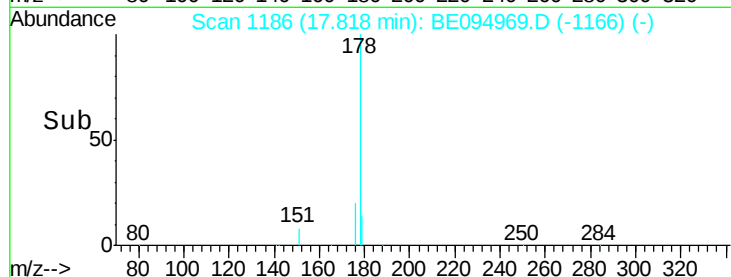
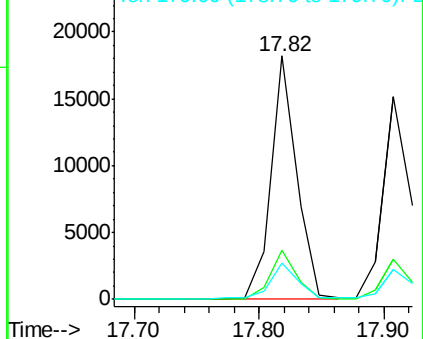
179 15.1 11.8 17.6



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: 0.363 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

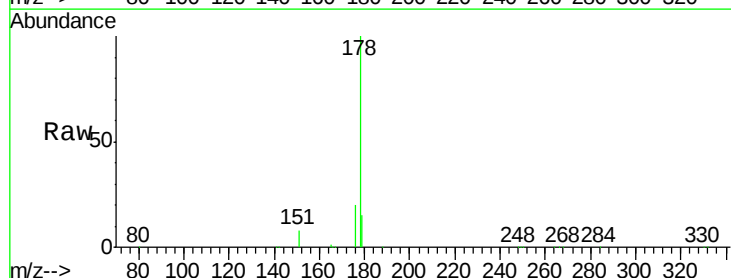
Tgt Ion:178 Resp: 26182

Ion Ratio Lower Upper

178 100

176 20.7 12.8 19.2#

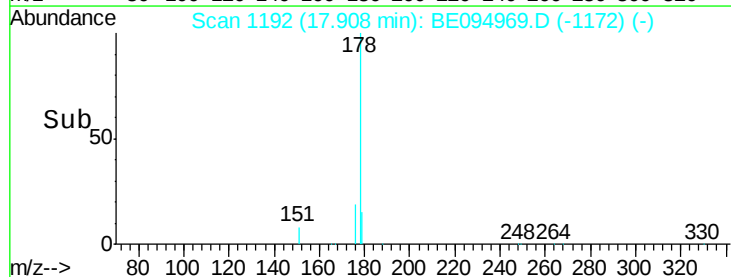
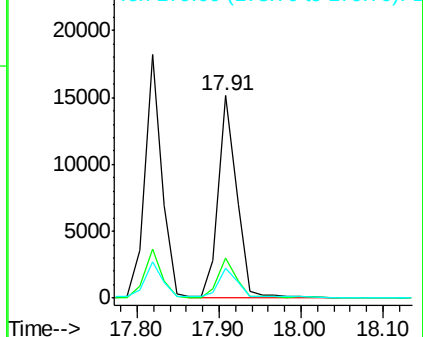
179 17.0 13.0 19.6

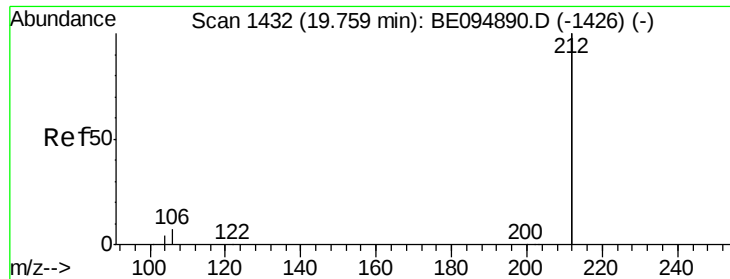


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094969.D

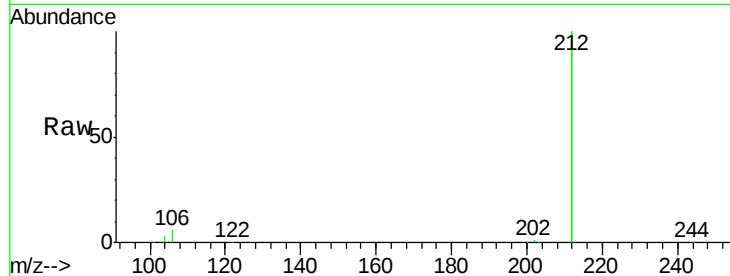
Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

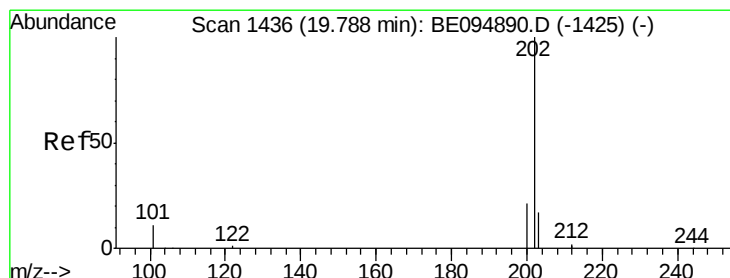
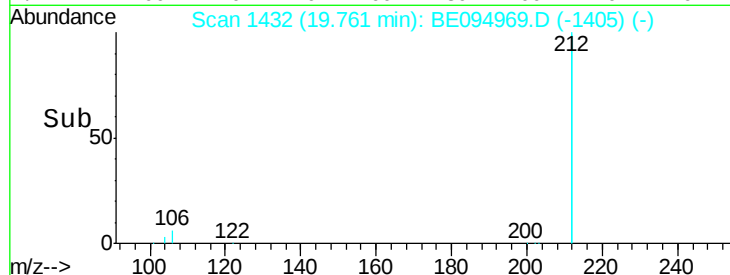
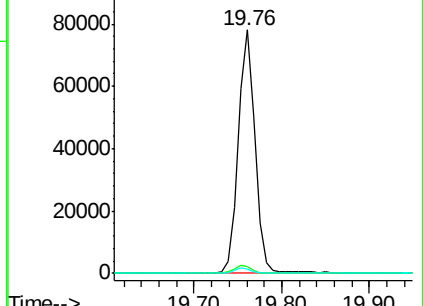
Tot Ion:212	Resp:	103625
Ion Ratio	Lower	Upper
212	100	
106	3.4	2.8 4.2
104	1.9	1.6 2.4



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: 0.357 ng

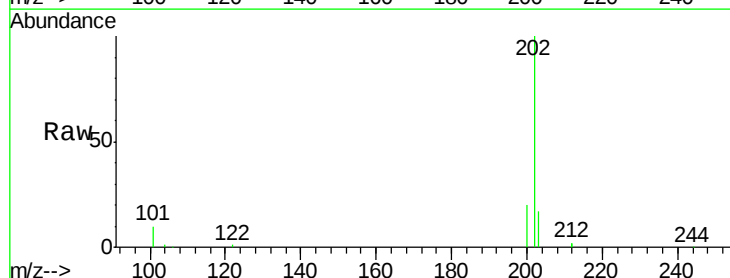
RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

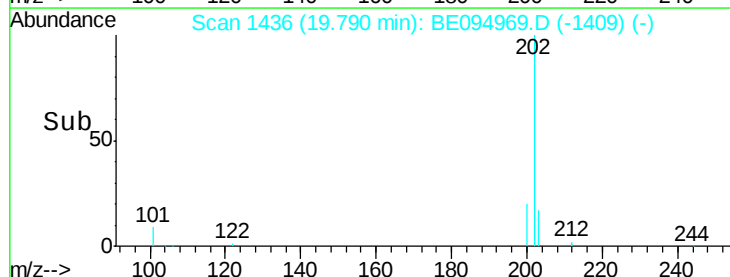
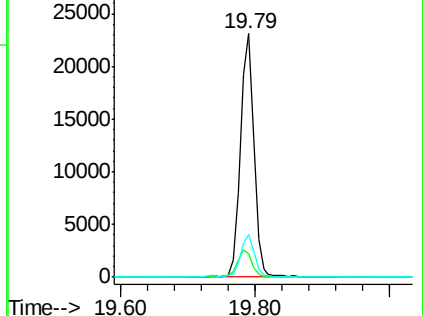
Tgt Ion:202	Resp:	31139
Ion Ratio	Lower	Upper
202	100	
101	11.6	9.8 14.8
203	16.9	13.7 20.5

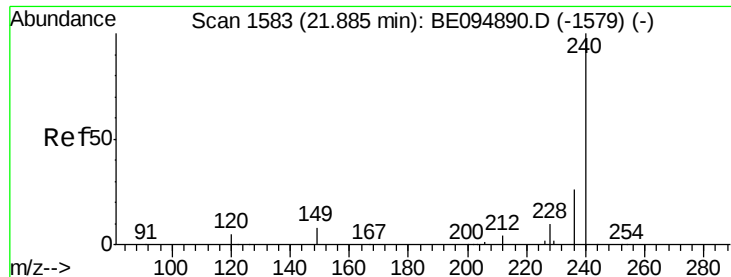


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

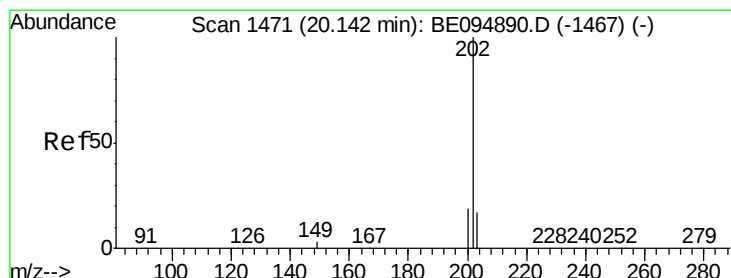
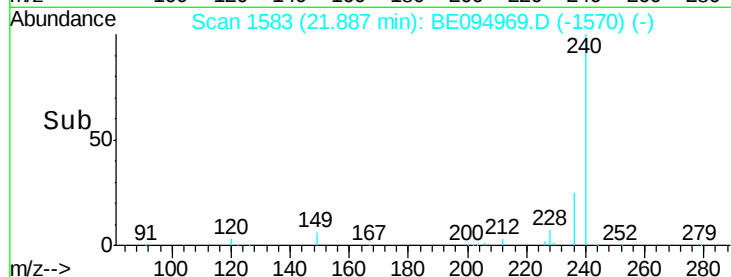
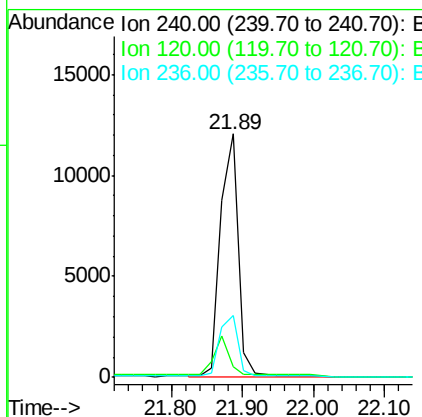
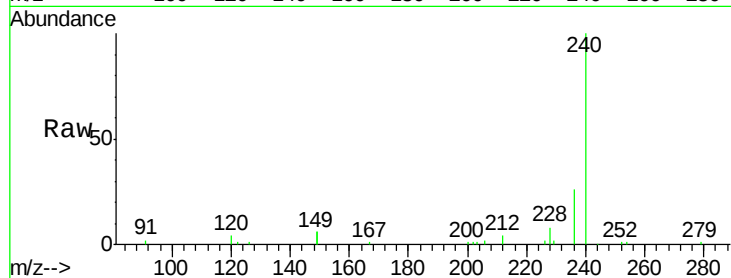




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094969.D
 Acq: 9 Dec 2017 3:21

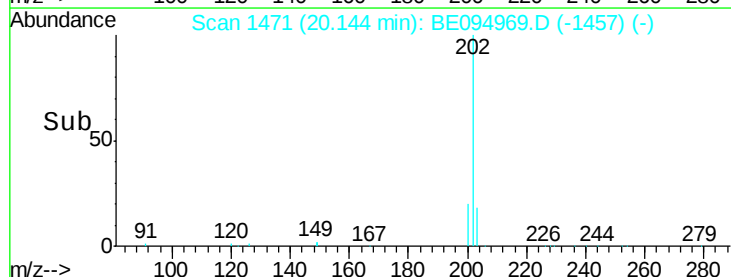
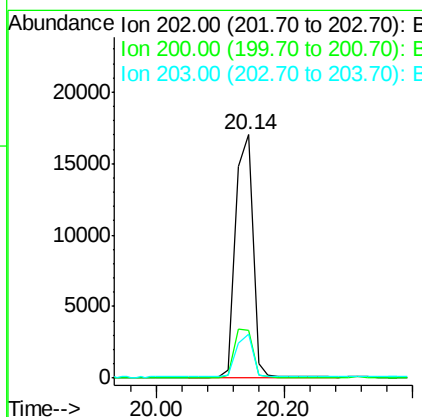
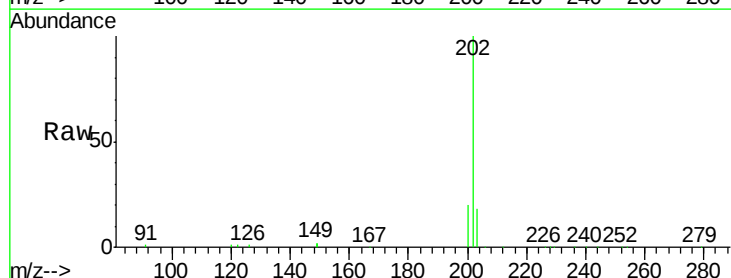
Instrument :
 BNA_E
 ClientSampleId :

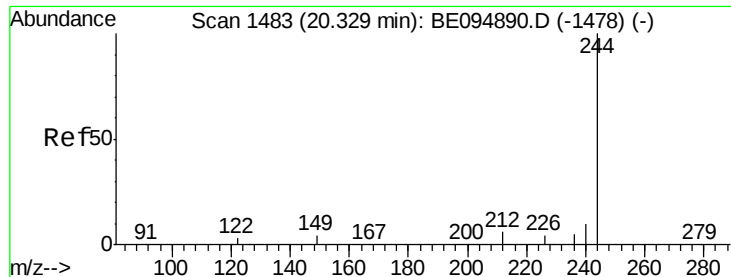
Tot Ion:240 Resp: 22534
 Ion Ratio Lower Upper
 240 100
 120 4.3 5.5 8.3#
 236 25.6 20.7 31.1



#28
 Pyrene
 Concen: 0.402 ng
 RT: 20.14 min Scan# 1471
 Delta R.T. 0.00 min
 Lab File: BE094969.D
 Acq: 9 Dec 2017 3:21

Tgt Ion:202 Resp: 31310
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 25.0
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.405 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

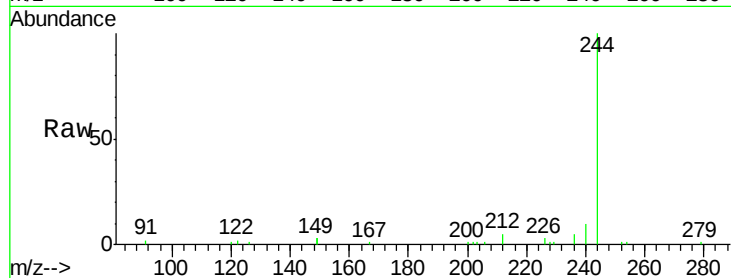
Tot Ion:244 Resp: 16842

Ion Ratio Lower Upper

244 100

212 5.1 25.4 38.0#

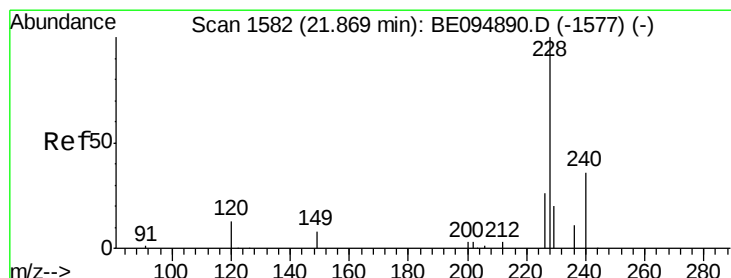
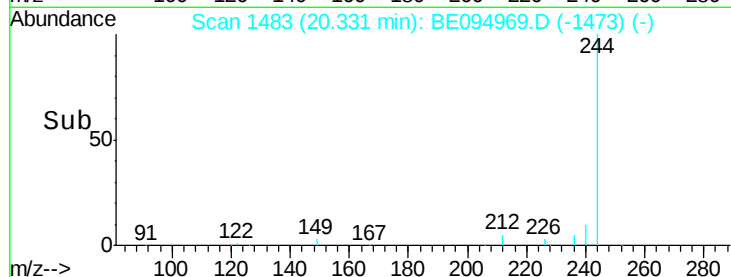
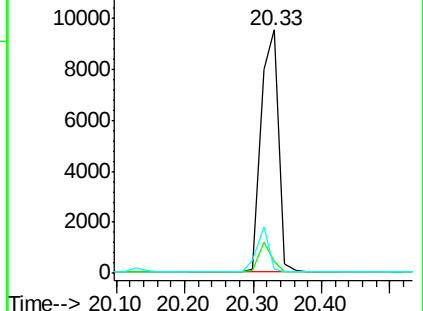
122 1.9 8.1 12.1#



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: 0.376 ng

RT: 21.86 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

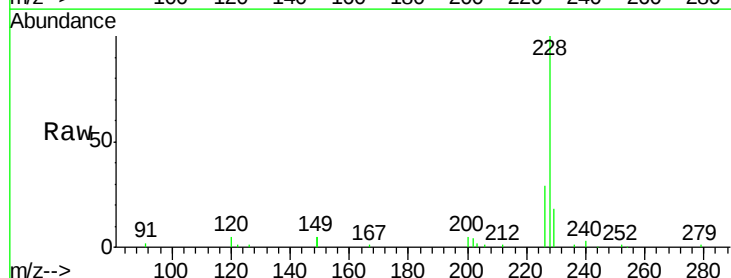
Tgt Ion:228 Resp: 25948

Ion Ratio Lower Upper

228 100

226 29.1 40.0 60.0#

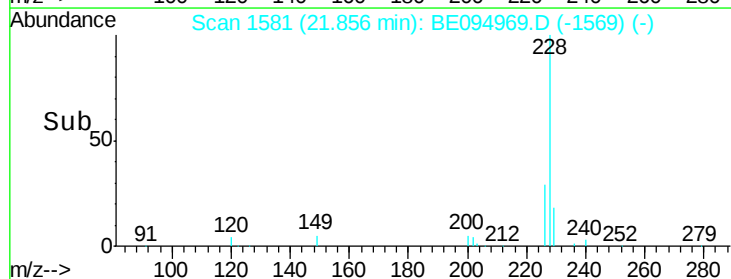
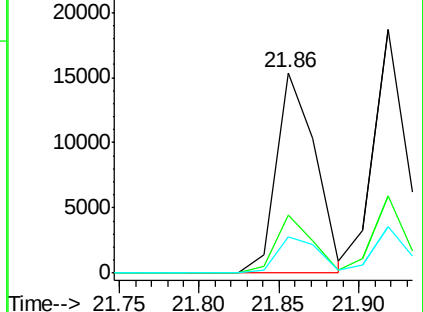
229 18.3 40.0 60.0#

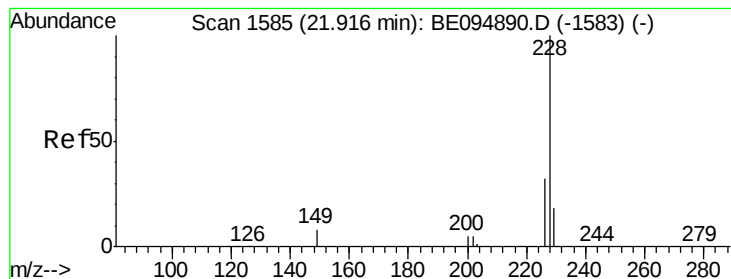


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.376 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

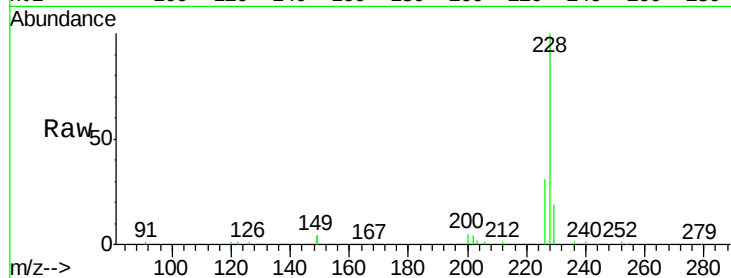
Tot Ion:228 Resp: 28742

Ion Ratio Lower Upper

228 100

226 31.5 40.0 60.0#

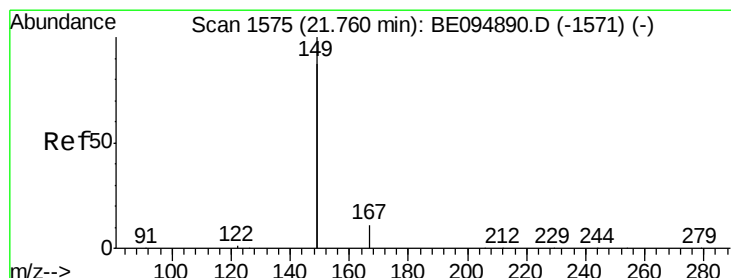
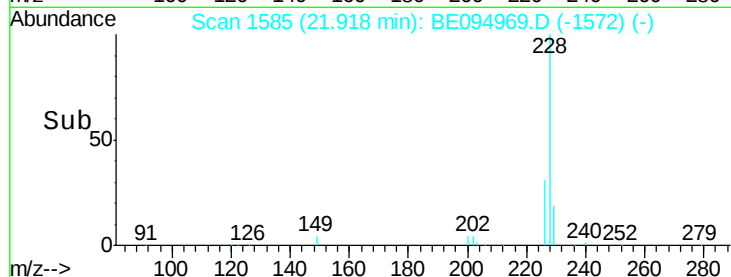
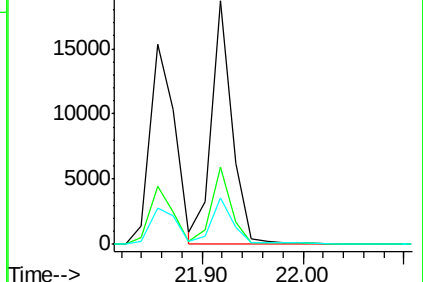
229 19.3 40.0 60.0#



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: 0.345 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

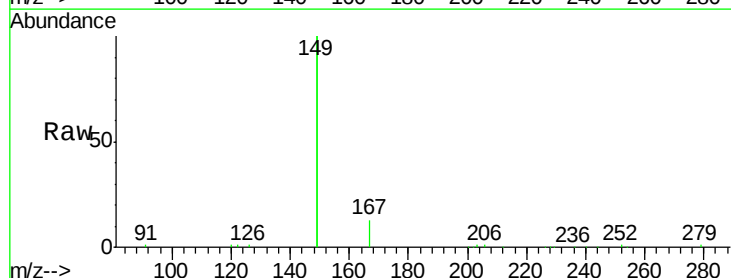
Tgt Ion:149 Resp: 39515

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

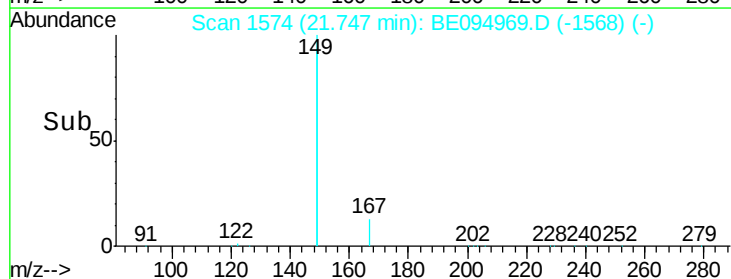
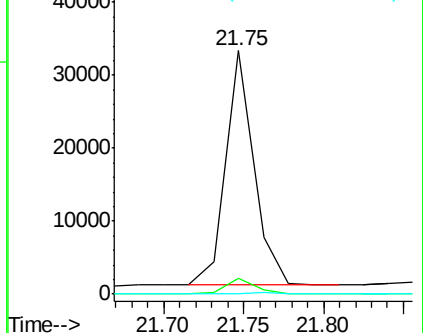
279 0.8 0.7 1.1

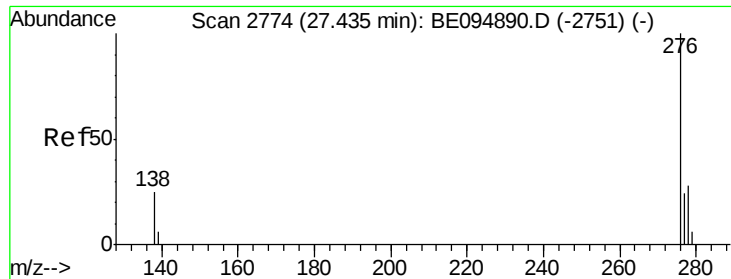


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

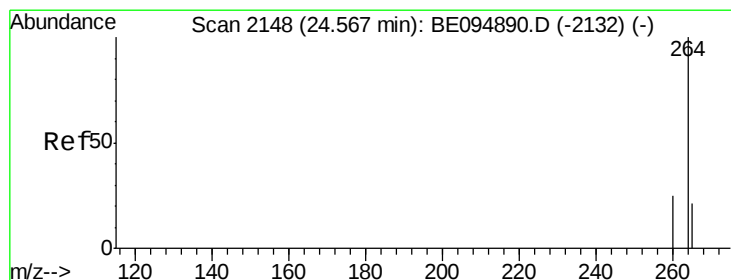
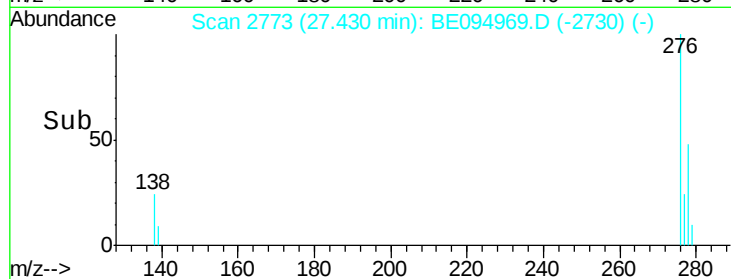
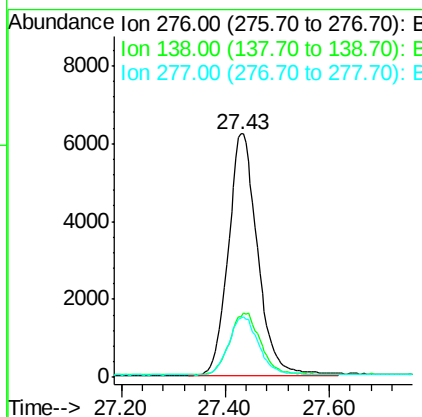
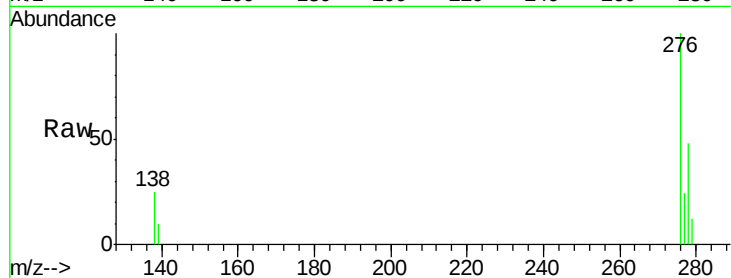




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.388 ng
 RT: 27.43 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: BE094969.D
 Acq: 9 Dec 2017 3:21

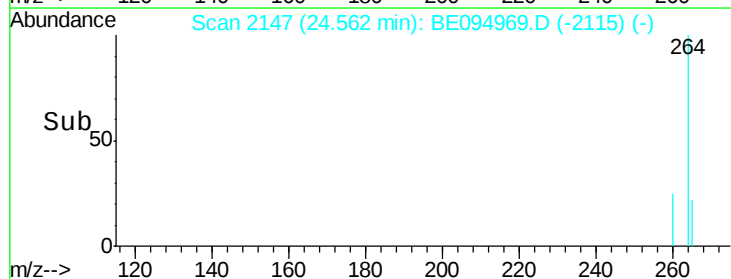
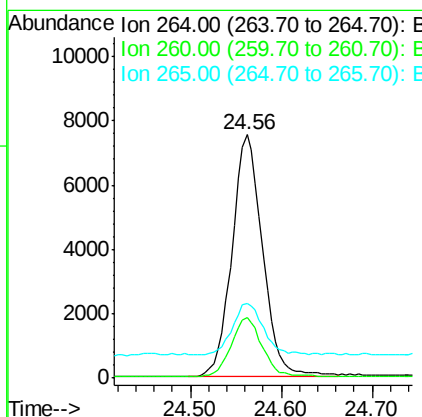
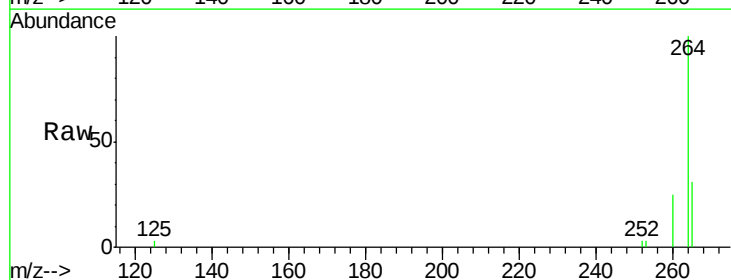
Instrument :
 BNA_E
 ClientSampleId :

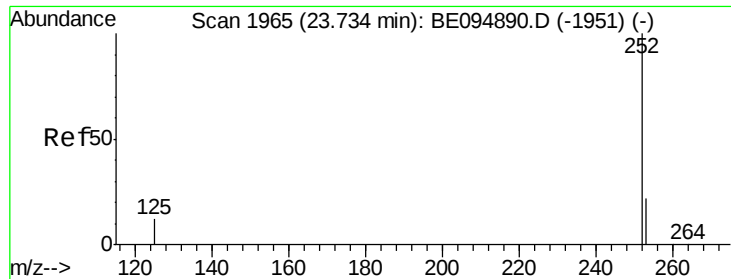
Tot Ion:276 Resp: 24214
 Ion Ratio Lower Upper
 276 100
 138 27.1 22.5 33.7
 277 24.8 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BE094969.D
 Acq: 9 Dec 2017 3:21

Tgt Ion:264 Resp: 17436
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.5 30.7
 265 30.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.388 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

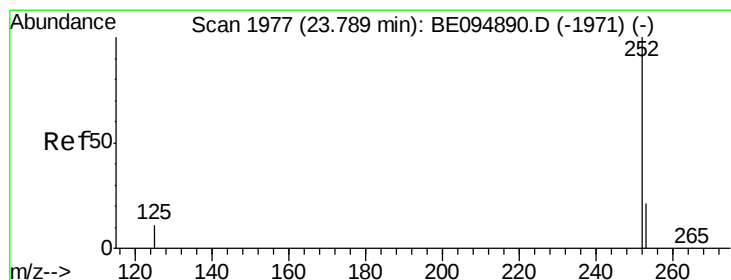
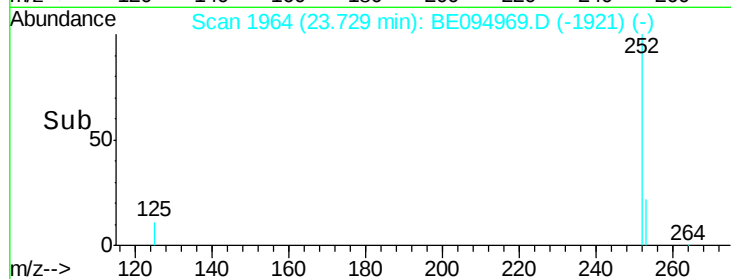
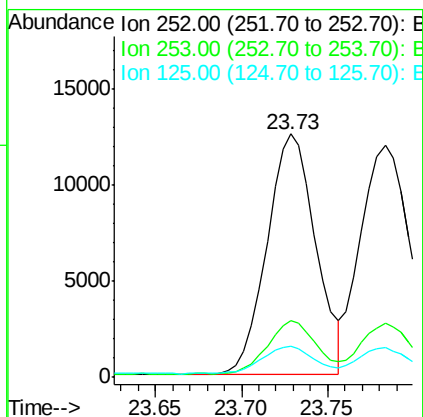
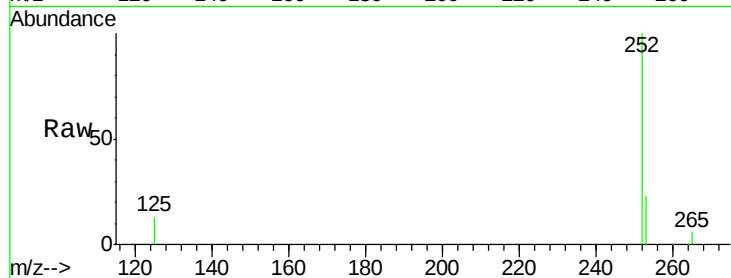
Tot Ion:252 Resp: 24691

Ion Ratio Lower Upper

252 100

253 23.2 48.0 72.0#

125 12.7 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.379 ng

RT: 23.78 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

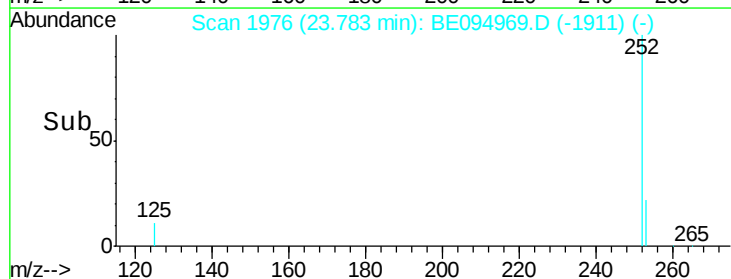
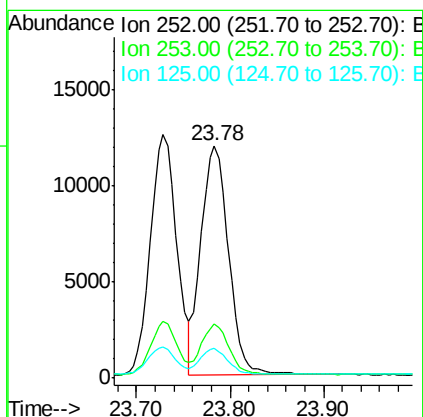
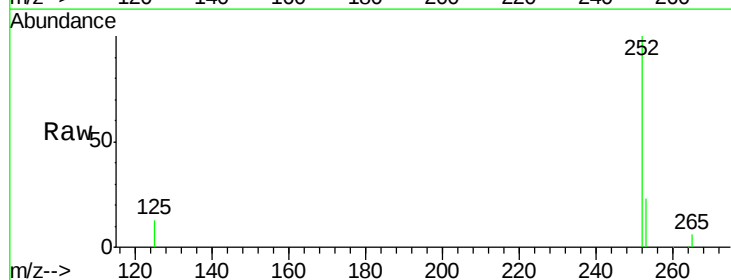
Tgt Ion:252 Resp: 24572

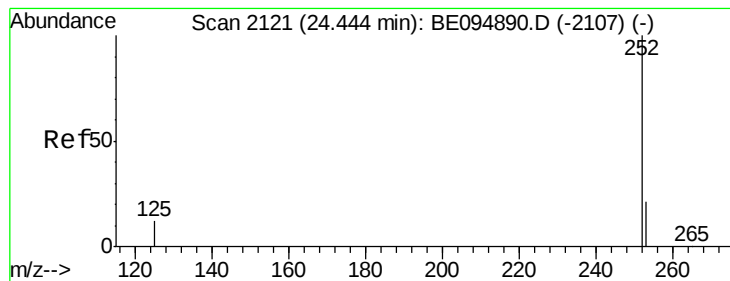
Ion Ratio Lower Upper

252 100

253 23.4 48.0 72.0#

125 12.8 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.392 ng

RT: 24.44 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :

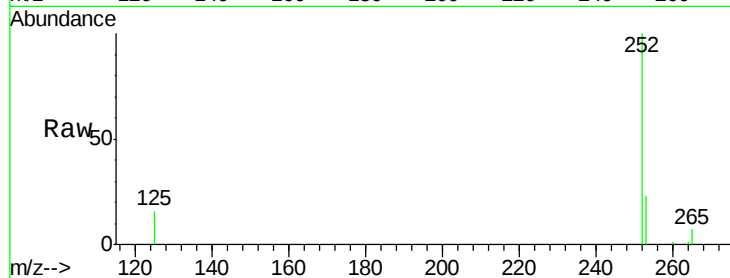
Tot Ion:252 Resp: 21900

Ion Ratio Lower Upper

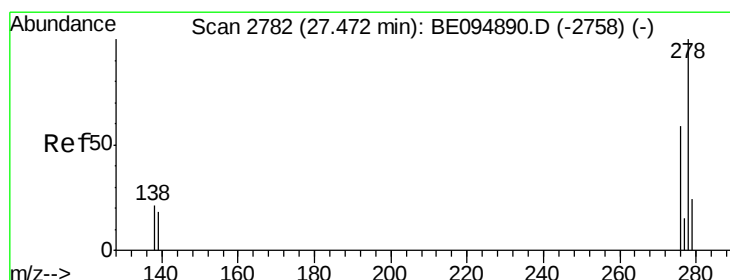
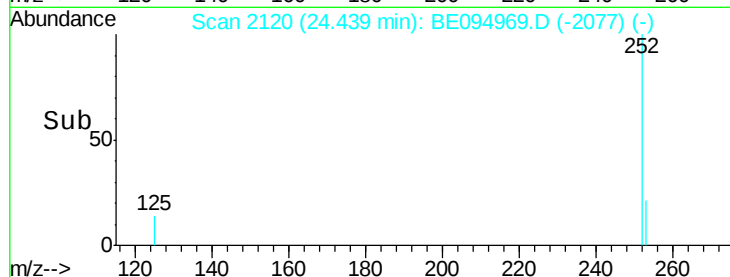
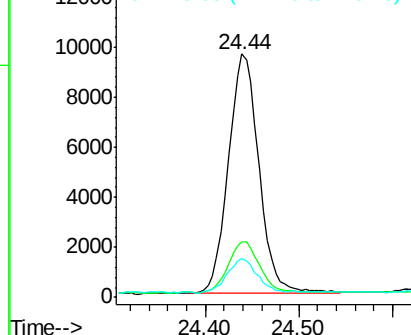
252 100

253 23.0 52.0 78.0#

125 16.2 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: 0.394 ng

RT: 27.46 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

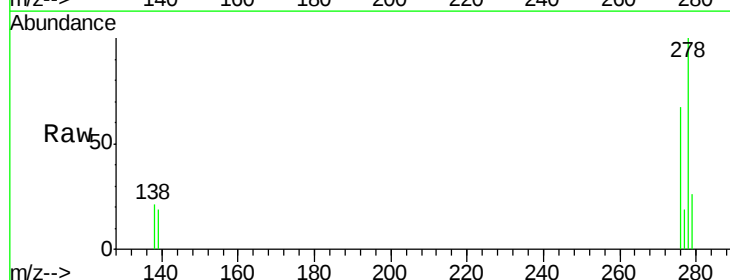
Tgt Ion:278 Resp: 20325

Ion Ratio Lower Upper

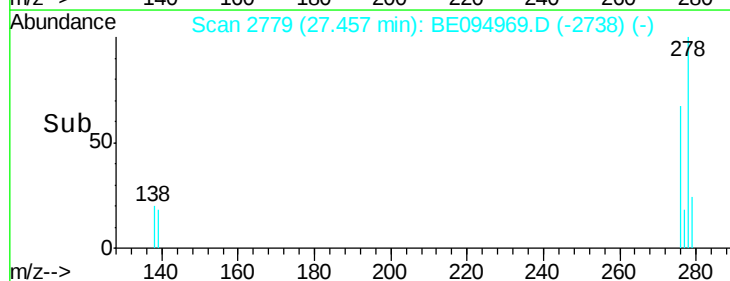
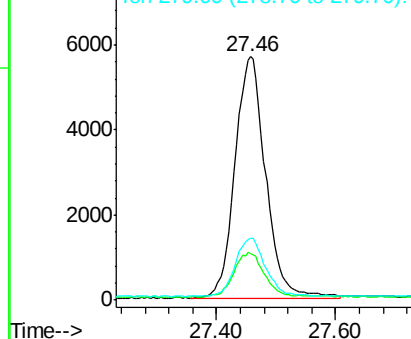
278 100

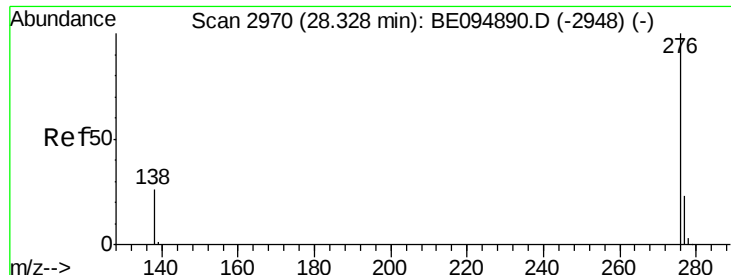
139 19.3 56.0 84.0#

279 25.5 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: 0.389 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

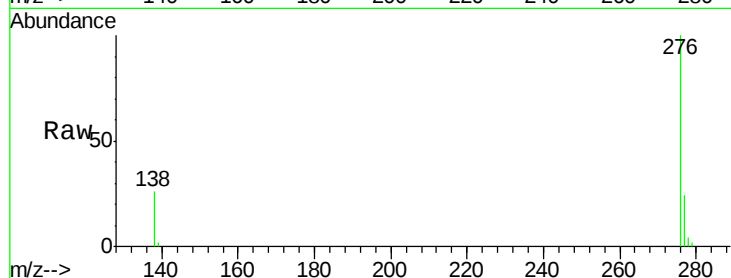
Lab File: BE094969.D

Acq: 9 Dec 2017 3:21

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 20025

Ion Ratio Lower Upper

276 100

277 24.1 52.0 78.0#

138 25.6 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

