

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103017\
 Data File : BE094646.D
 Acq On : 30 Oct 2017 17:06
 Operator : SJ/JU
 Sample : PB103598BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 31 01:15:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	904	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	5272	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3286	0.40	ng	0.01
19) Phenanthrene-d10	17.27	188	7747	0.40	ng	0.03
27) Chrysene-d12	21.44	240	8165	0.40	ng	0.01
34) Perylene-d12	23.97	264	7688	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.54	112	774	0.25	ng	0.01
5) Phenol-d6	7.17	99	1186	0.25	ng	0.04
8) Nitrobenzene-d5	9.11	82	1041	0.25	ng	0.03
11) 2-Methylnaphthalene-d10	12.30	152	2999	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.06	330	225	0.25	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	3074	0.27	ng	0.01
25) Fluoranthene-d10	19.30	212	26116	0.24	ng	0.01
29) Terphenyl-d14	19.87	244	4023	0.26	ng	0.00

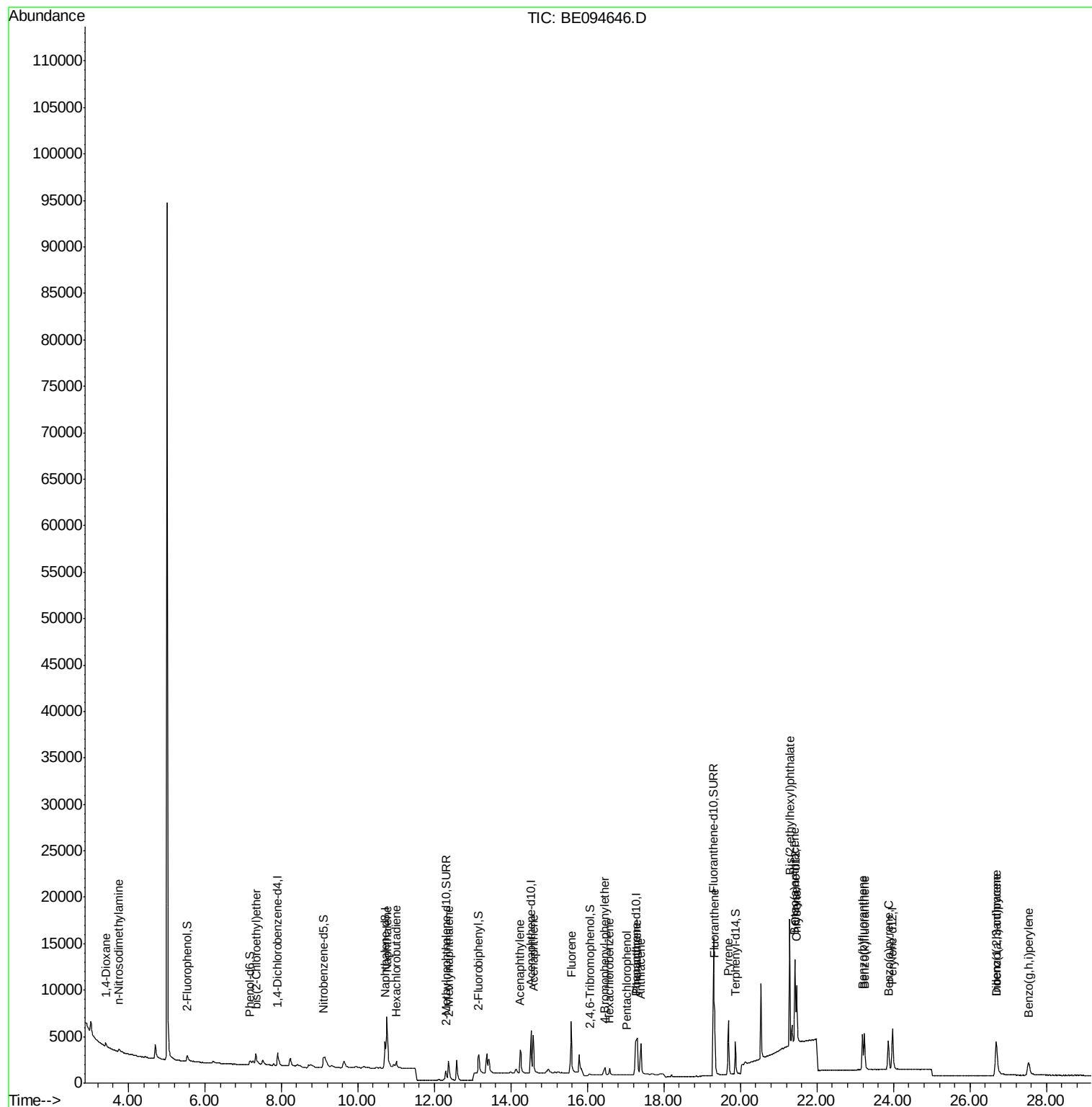
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	348	0.23	ng	# 9
3) n-Nitrosodimethylamine	3.75	42	369	0.25	ng	# 93
6) bis(2-Chloroethyl)ether	7.34	93	772	0.21	ng	77
9) Naphthalene	10.76	128	13661	0.23	ng	99
10) Hexachlorobutadiene	11.01	225	550	0.25	ng	97
12) 2-Methylnaphthalene	12.37	142	2505	0.25	ng	97
16) Acenaphthylene	14.24	152	3961	0.23	ng	99
17) Acenaphthene	14.58	154	2611	0.23	ng	100
18) Fluorene	15.58	166	3382	0.24	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	816	0.19	ng	# 69
21) Hexachlorobenzene	16.58	284	1111	0.30	ng	# 65
22) Pentachlorophenol	17.04	266	68	0.14	ng	97
23) Phenanthrene	17.30	178	6311	0.29	ng	97
24) Anthracene	17.40	178	5830	0.26	ng	99
26) Fluoranthene	19.33	202	6744	0.20	ng	99
28) Pyrene	19.68	202	6998	0.25	ng	98
30) Benzo(a)anthracene	21.42	228	6711	0.25	ng	# 66
31) Chrysene	21.47	228	6599	0.24	ng	# 67
32) Bis(2-ethylhexyl)phthalate	21.29	149	17183	0.26	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.69	276	5752	0.23	ng	97
35) Benzo(b)fluoranthene	23.20	252	6097	0.25	ng	# 49
36) Benzo(k)fluoranthene	23.24	252	6652	0.25	ng	# 48
37) Benzo(a)pyrene	23.86	252	6071	0.25	ng	# 43
38) Dibenzo(a,h)anthracene	26.69	278	5138	0.24	ng	# 55
39) Benzo(g,h,i)perylene	27.53	276	4365	0.22	ng	# 65

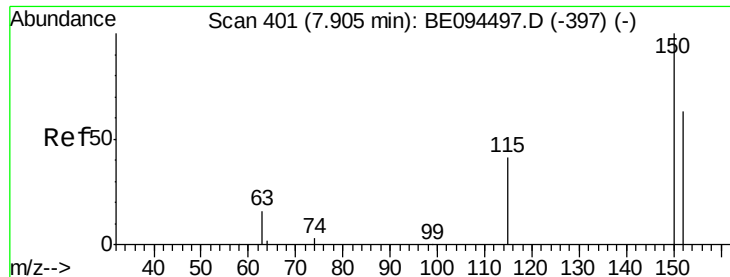
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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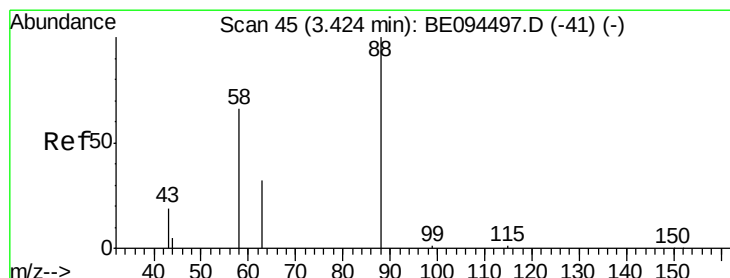
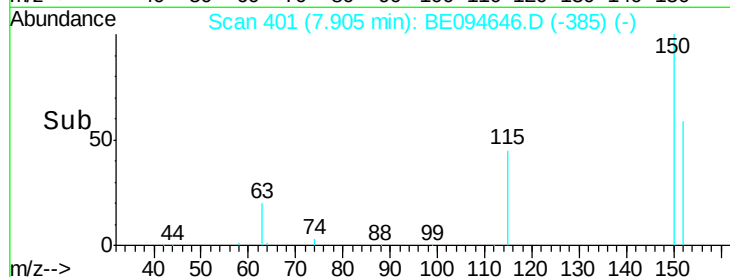
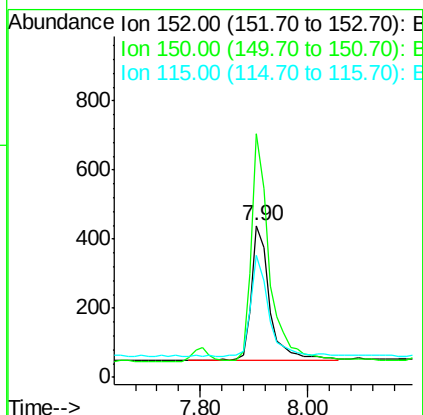
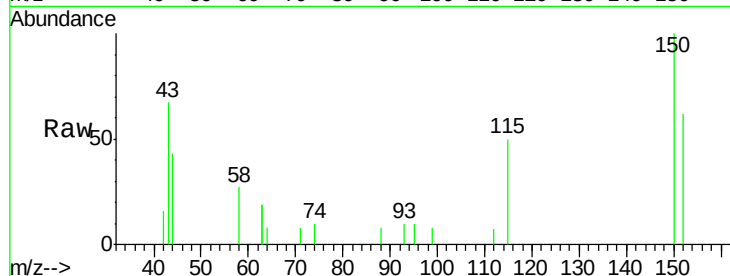


#1

1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

Instrument :
BNA_E
ClientSampleId :

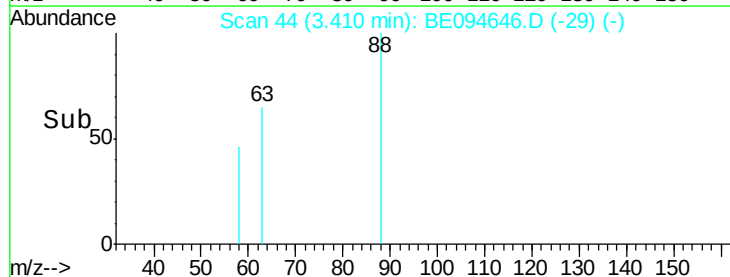
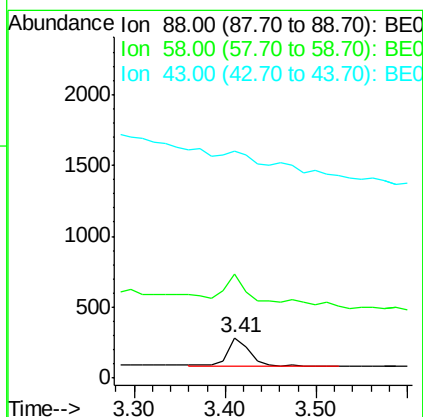
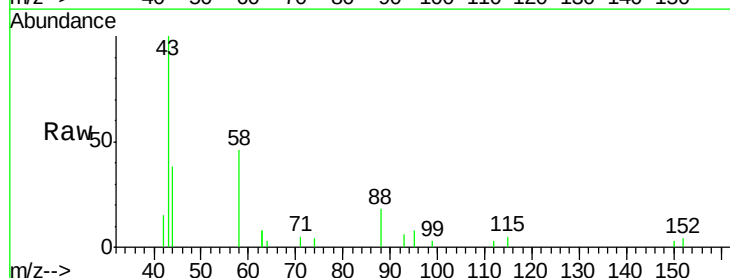
Tot Ion:152 Resp: 904
Ion Ratio Lower Upper
152 100
150 160.6 117.2 175.8
115 80.6 57.0 85.6

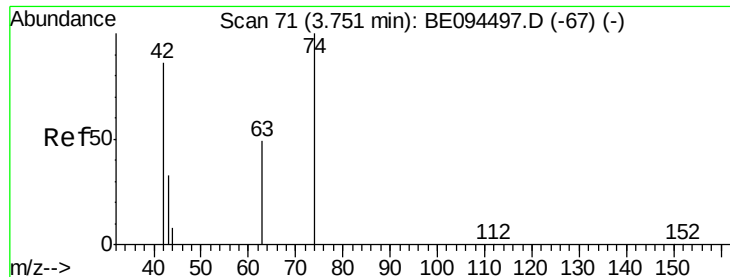


#2

1,4-Dioxane
Concen: 0.23 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

Tgt Ion: 88 Resp: 348
Ion Ratio Lower Upper
88 100
58 169.0 63.2 94.8#
43 0.0 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.25 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

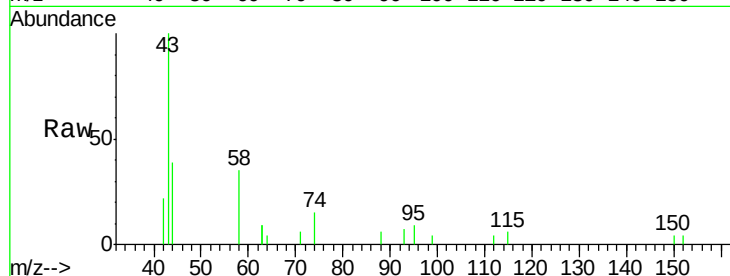
Tot Ion: 42 Resp: 369

Ion Ratio Lower Upper

42 100

74 125.7 100.3 150.5

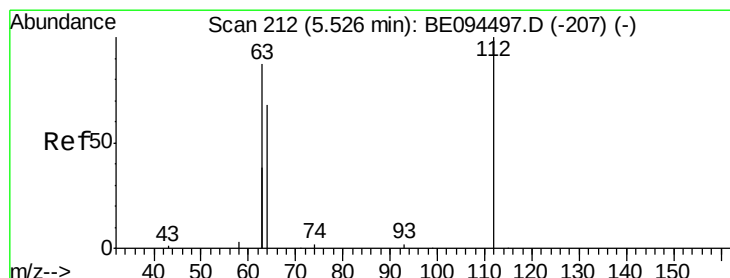
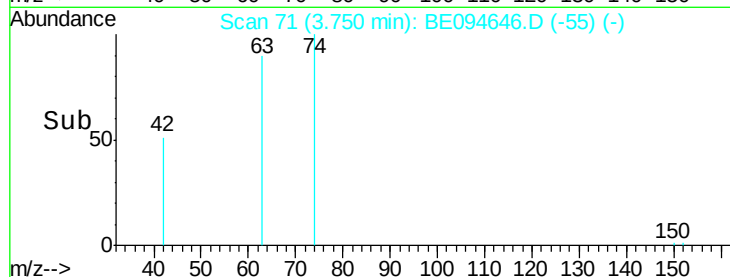
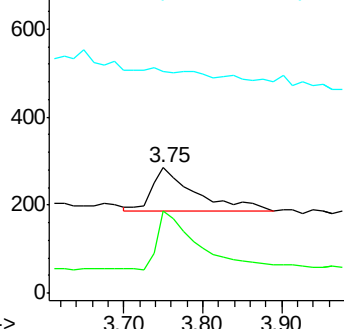
44 0.0 17.0 25.4#



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: 0.25 ng

RT: 5.54 min Scan# 213

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

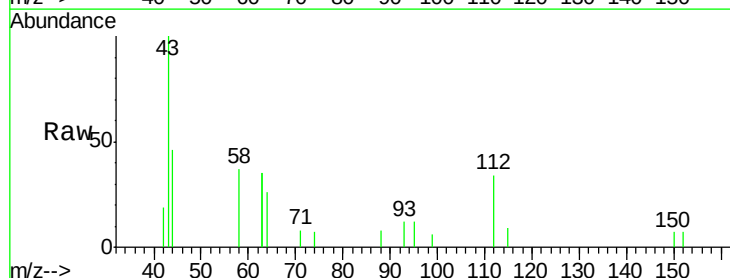
Tgt Ion: 112 Resp: 774

Ion Ratio Lower Upper

112 100

64 72.2 60.1 90.1

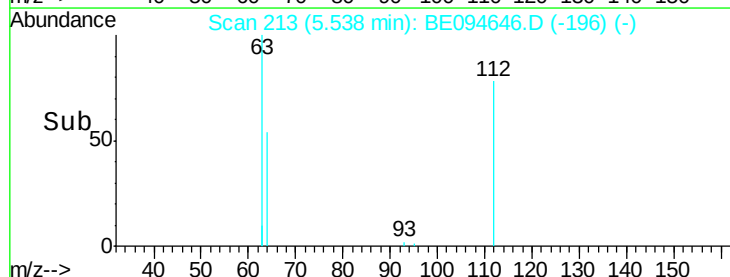
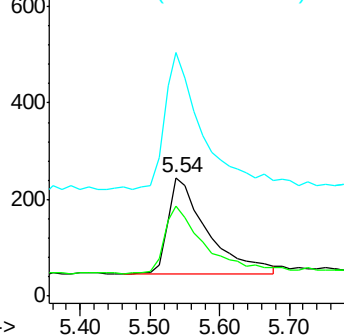
63 140.3 116.8 175.2

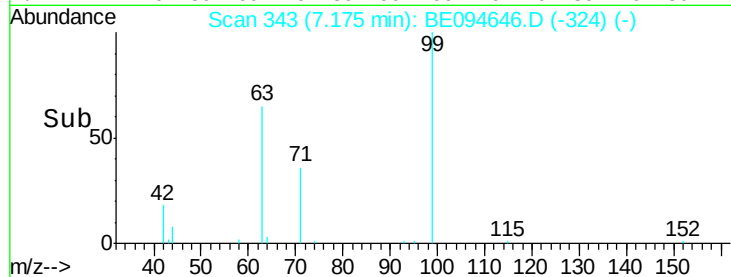
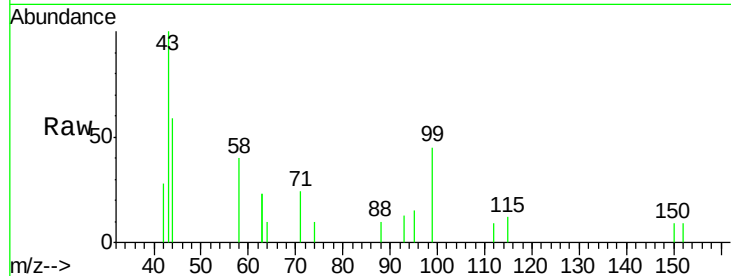
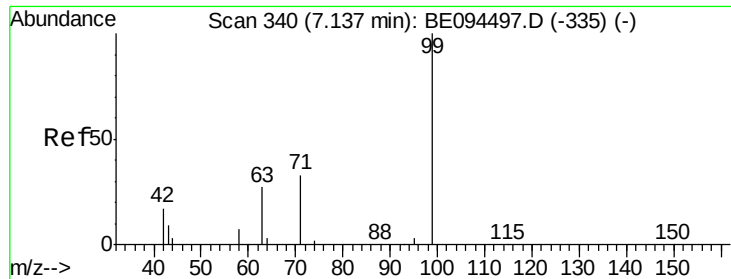


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.25 ng

RT: 7.17 min Scan# 343

Delta R.T. 0.04 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampled :

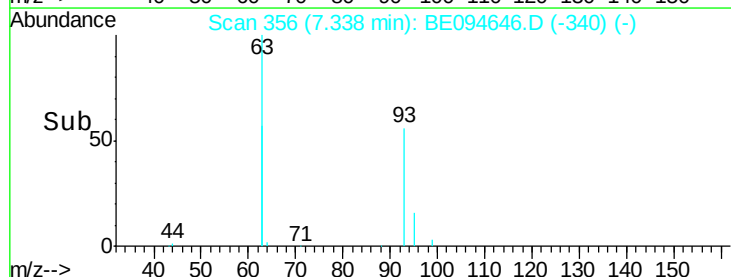
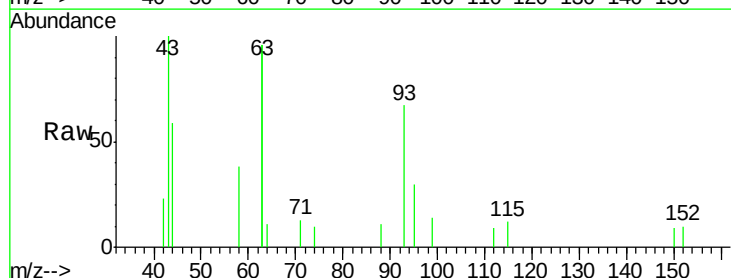
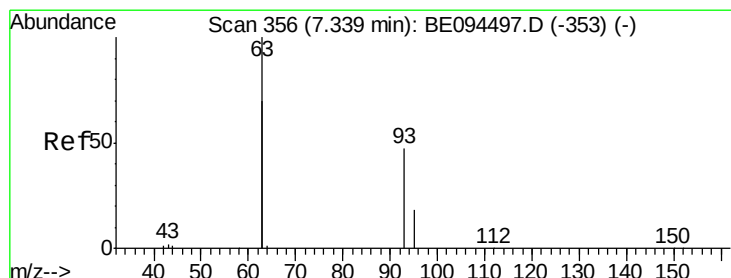
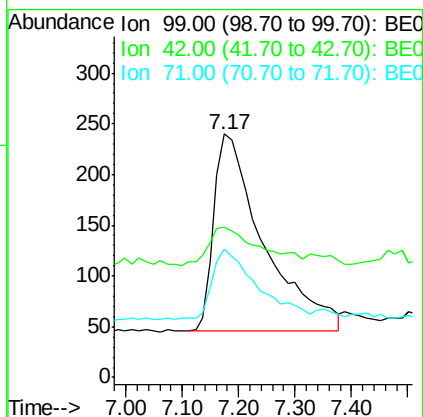
Tot Ion: 99 Resp: 1186

Ion Ratio Lower Upper

99 100

42 20.2 20.2 30.2#

71 32.5 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.21 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

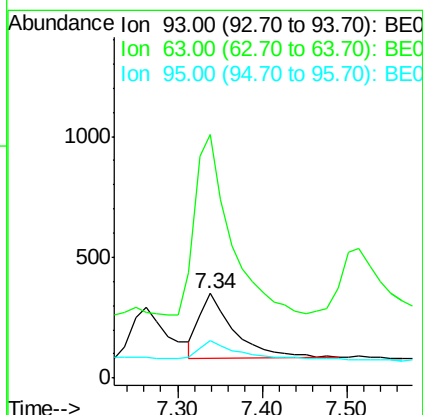
Tgt Ion: 93 Resp: 772

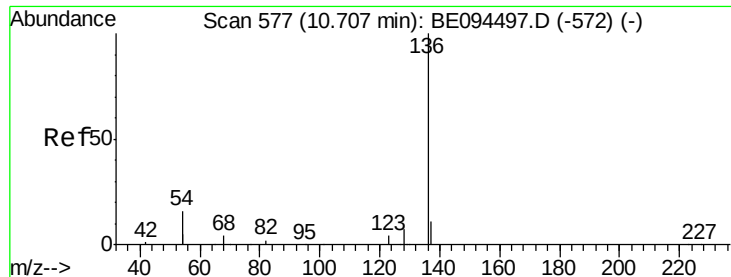
Ion Ratio Lower Upper

93 100

63 290.4 275.3 412.9

95 30.3 25.2 37.8





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 5272

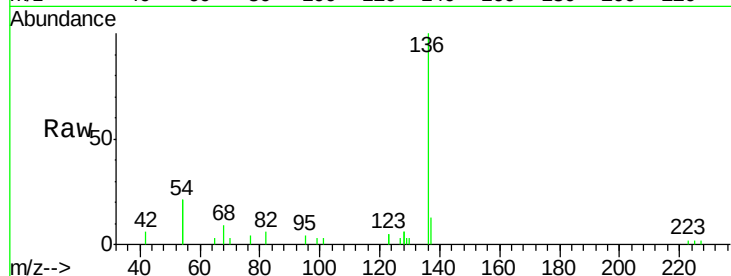
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 41.6 29.1 43.7

68 9.0 6.2 9.2

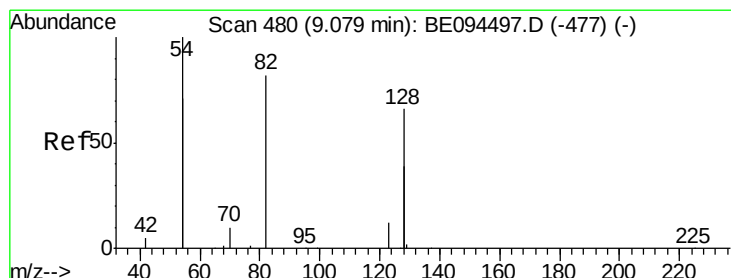
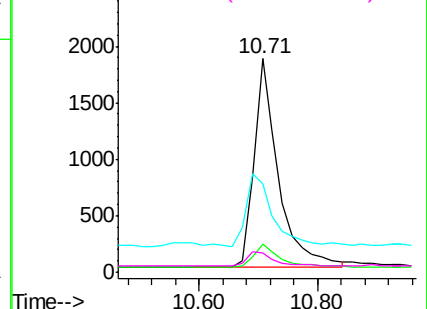
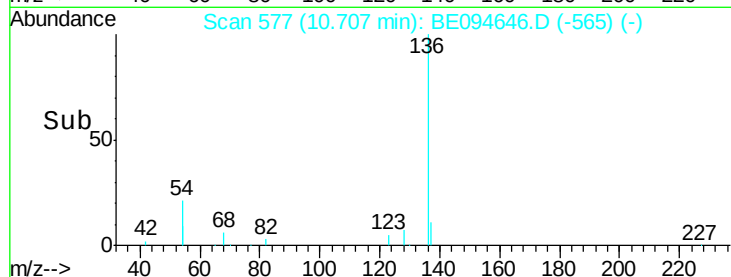


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.25 ng

RT: 9.11 min Scan# 482

Delta R.T. 0.03 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

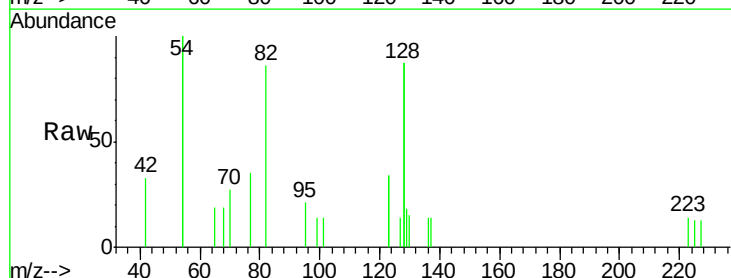
Tgt Ion: 82 Resp: 1041

Ion Ratio Lower Upper

82 100

128 202.1 150.0 225.0

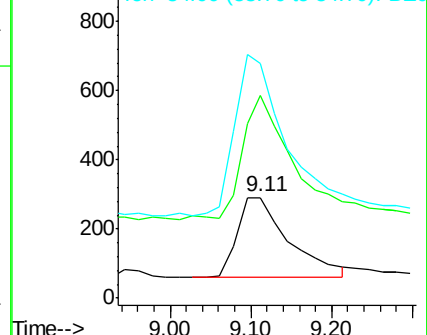
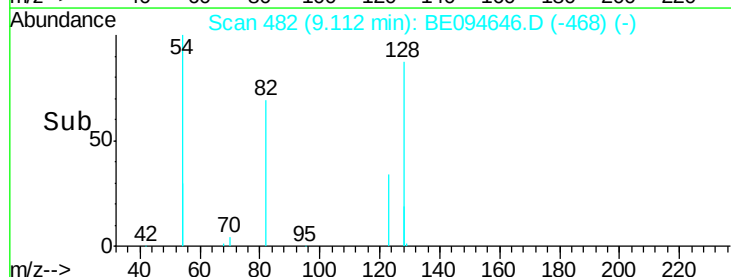
54 233.0 154.2 231.4#

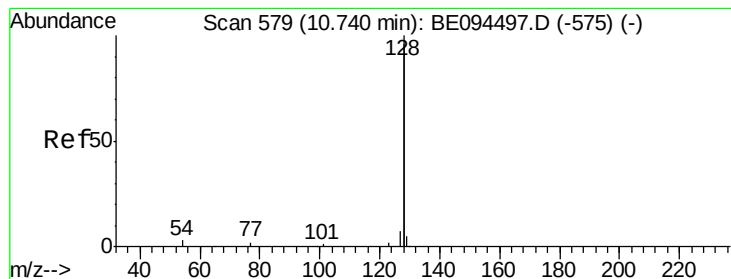


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.23 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.02 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

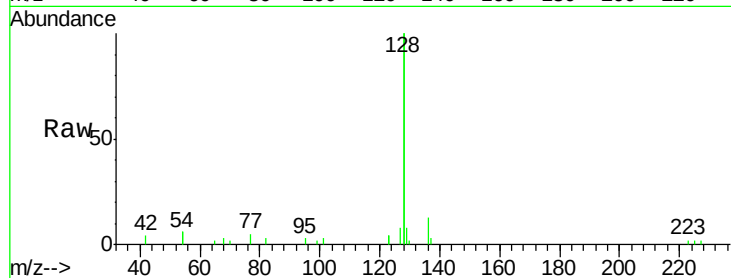
Tot Ion:128 Resp: 13661

Ion Ratio Lower Upper

128 100

129 3.8 2.6 3.8

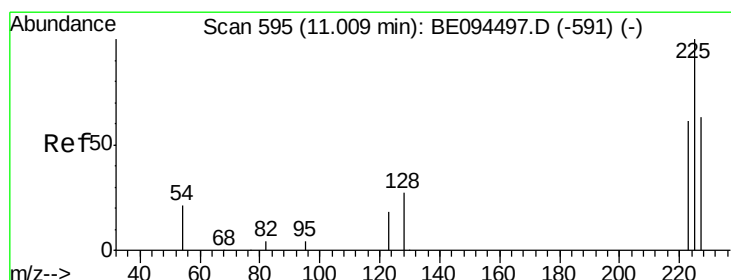
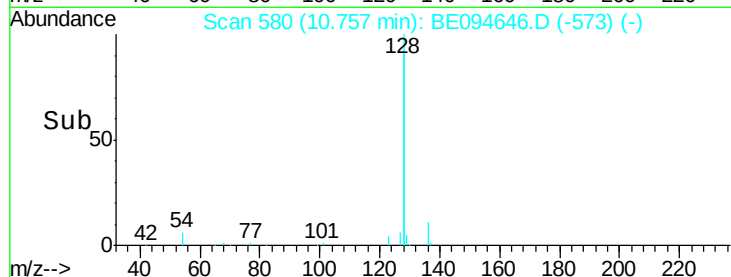
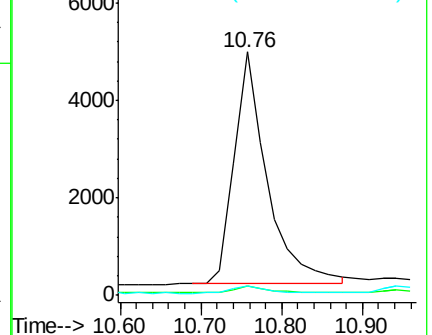
127 3.9 2.8 4.2



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: 0.25 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

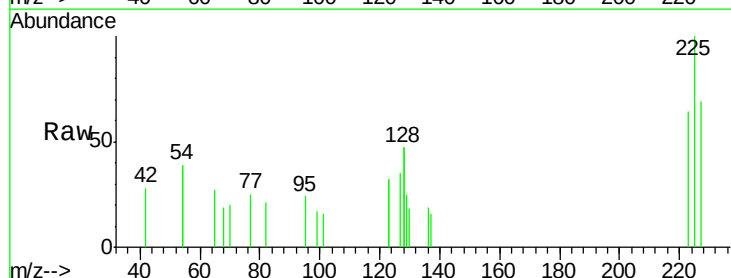
Tgt Ion:225 Resp: 550

Ion Ratio Lower Upper

225 100

223 61.3 53.0 79.6

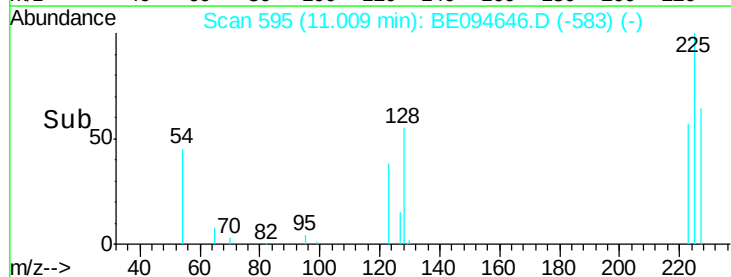
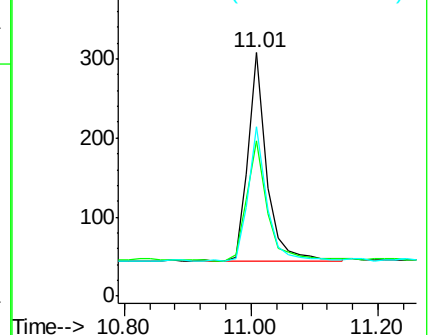
227 64.0 51.4 77.2

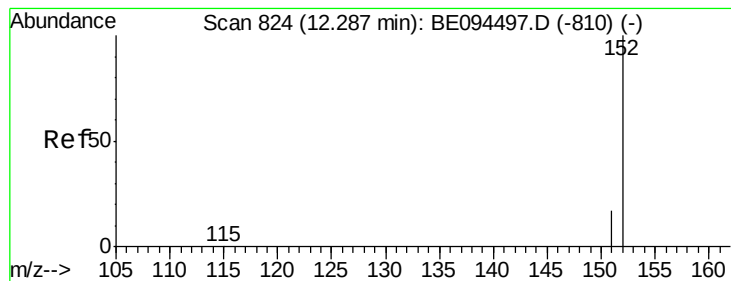


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.30 min Scan# 826

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

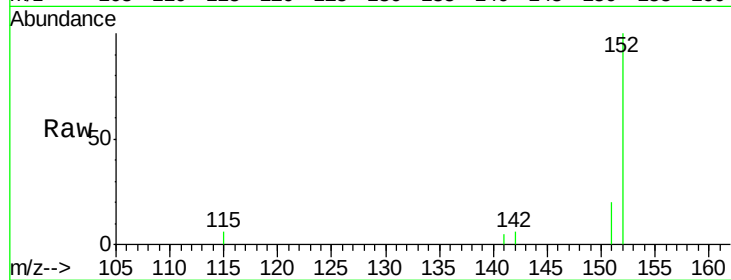
ClientSampled :

Tot Ion:152 Resp: 2999

Ion Ratio Lower Upper

152 100

151 13.8 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

1000

800

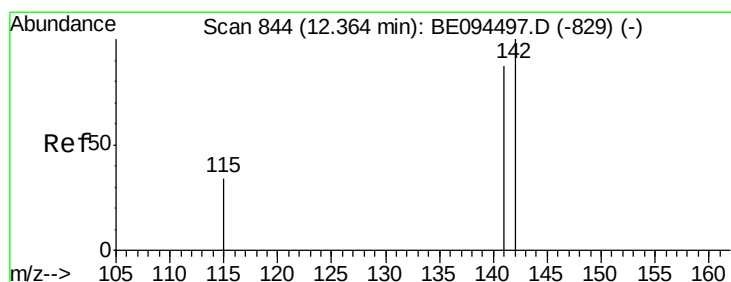
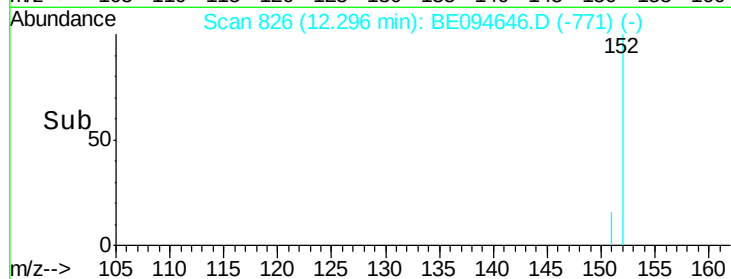
600

400

200

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.25 ng

RT: 12.37 min Scan# 846

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

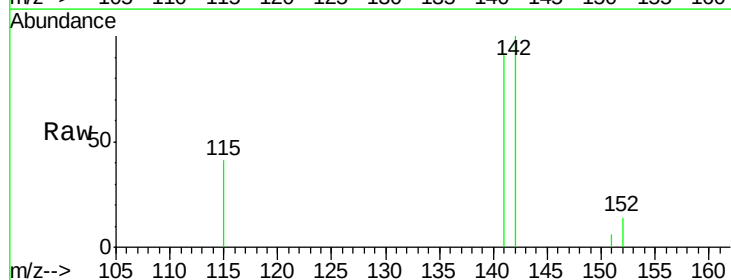
Tgt Ion:142 Resp: 2505

Ion Ratio Lower Upper

142 100

141 90.8 70.4 105.6

115 41.2 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

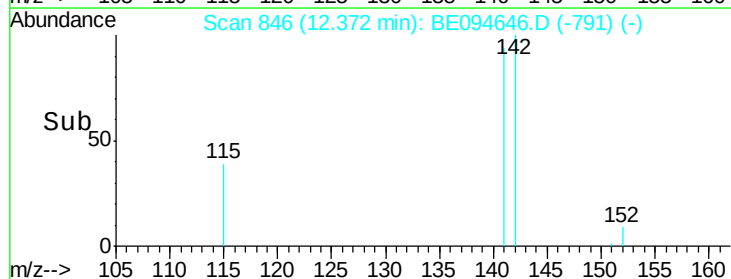
12.37

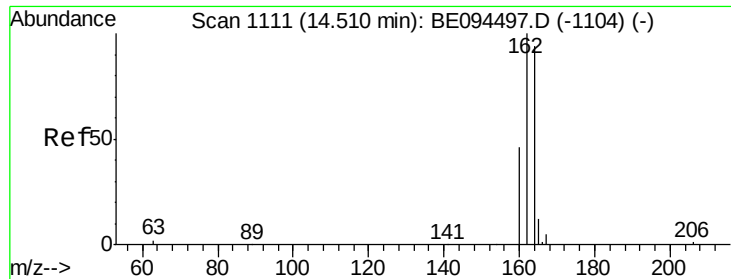
1000

500

0

Time--> 12.30 12.40 12.50

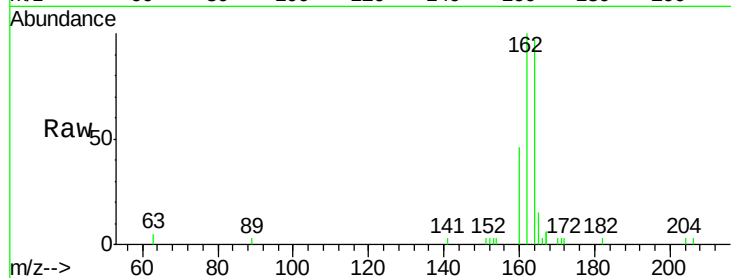




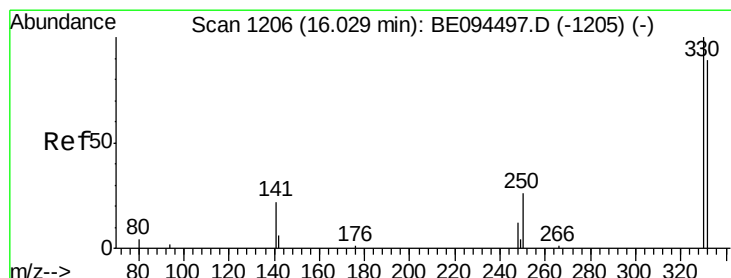
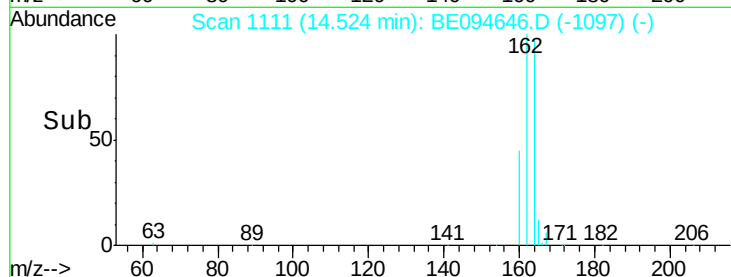
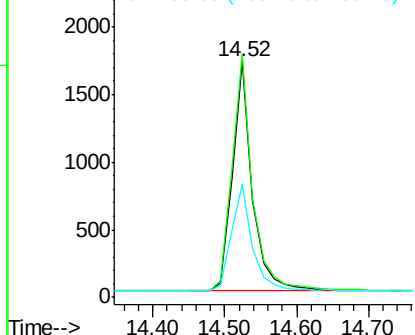
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.52 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3286
Ion Ratio Lower Upper
164 100
162 103.3 83.1 124.7
160 47.9 37.1 55.7

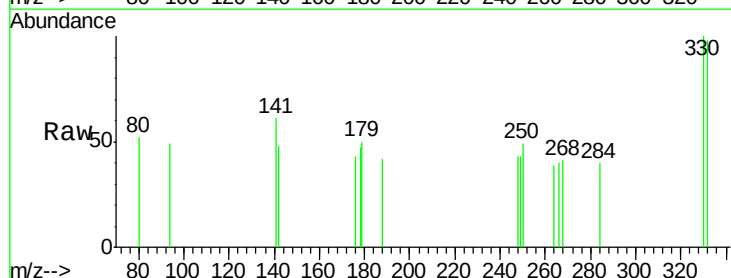


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

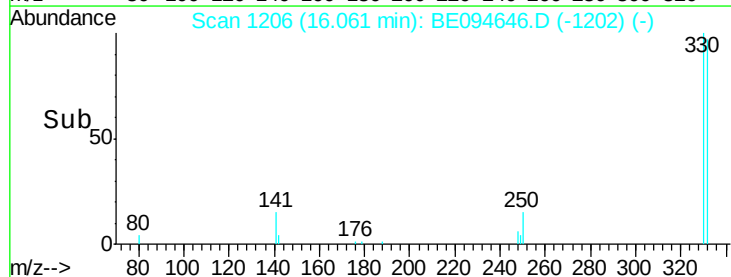
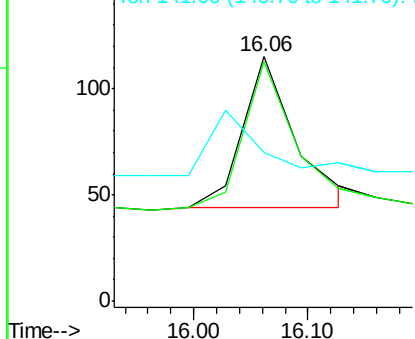


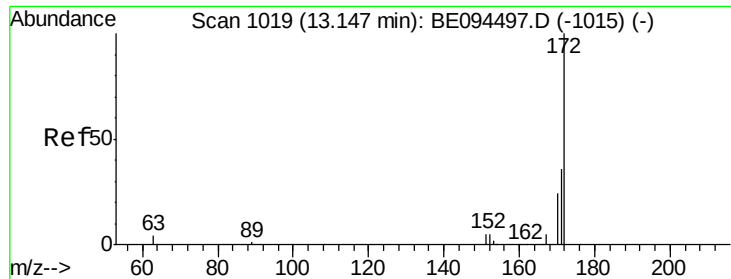
#14
2,4,6-Tribromophenol
Concen: 0.25 ng
RT: 16.06 min Scan# 1206
Delta R.T. 0.03 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

Tgt Ion:330 Resp: 225
Ion Ratio Lower Upper
330 100
332 94.7 152.7 229.1#
141 0.0 33.7 50.5#



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

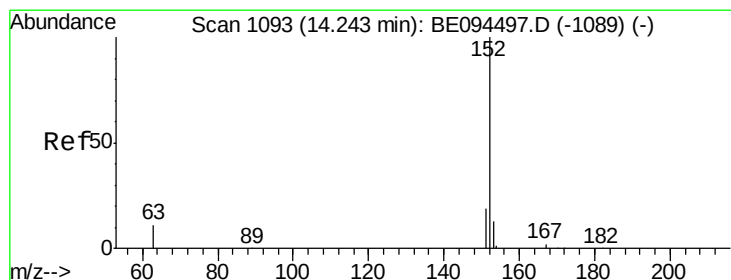
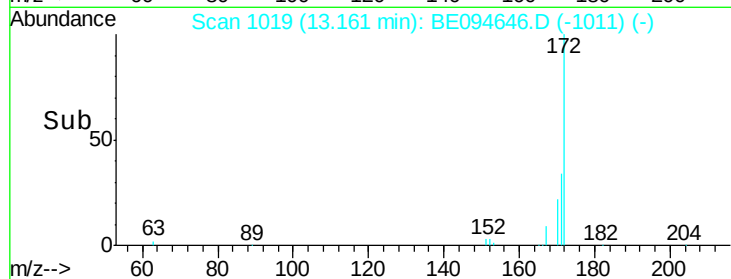
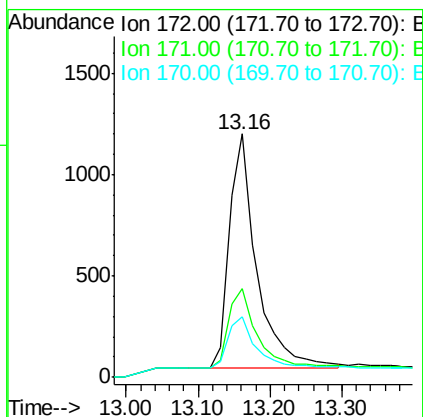
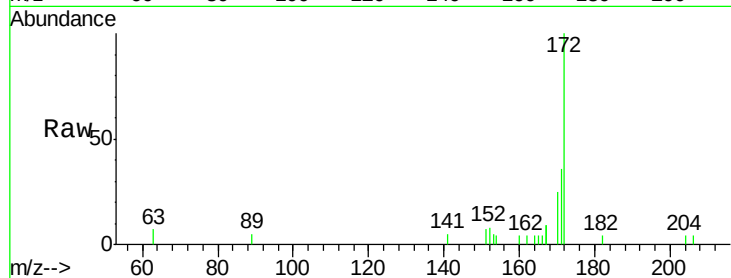




#15
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 13.16 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

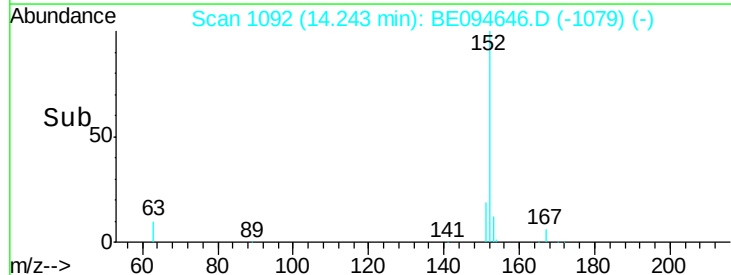
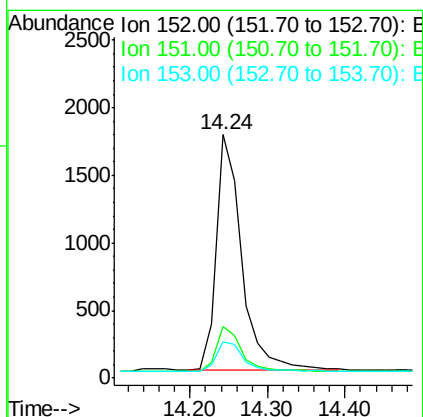
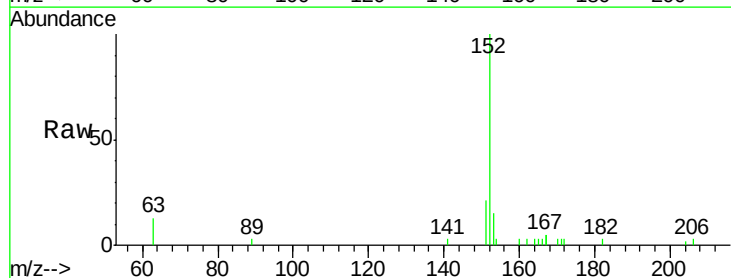
Instrument :
BNA_E
ClientSampleId :

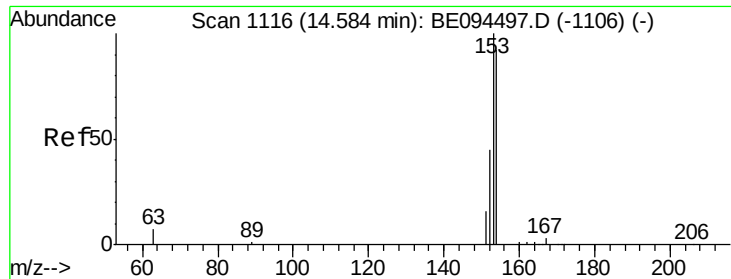
Tot Ion:172 Resp: 3074
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 25.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.23 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

Tgt Ion:152 Resp: 3961
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 14.0 10.5 15.7





#17

Acenaphthene

Concen: 0.23 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

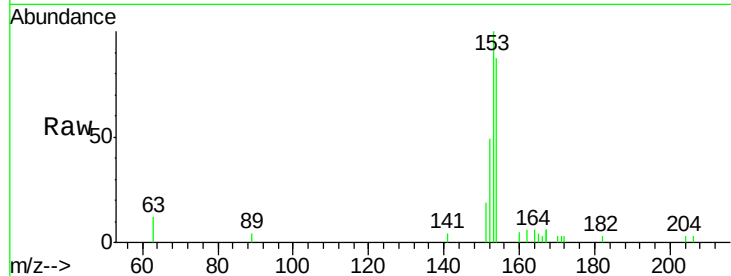
Tot Ion:154 Resp: 2611

Ion Ratio Lower Upper

154 100

153 111.6 89.2 133.8

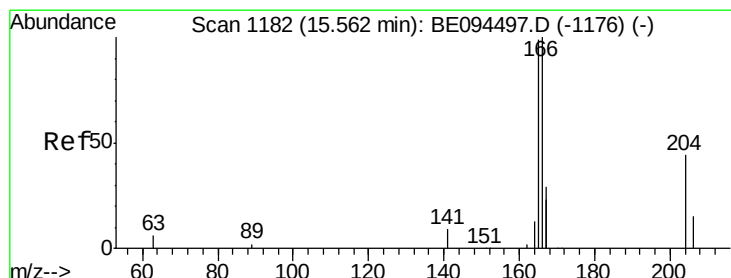
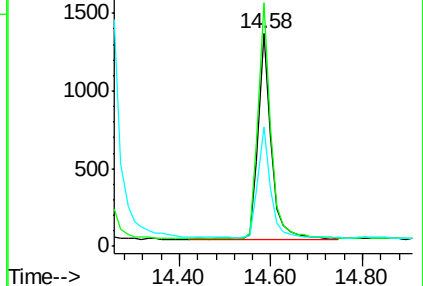
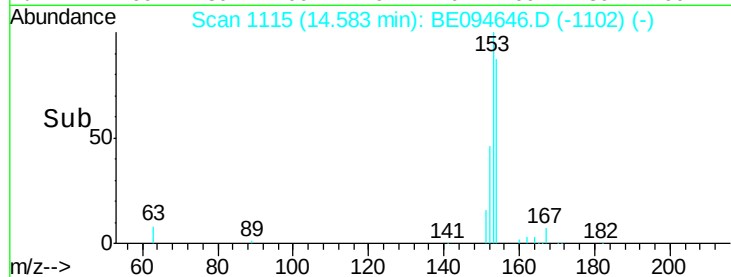
152 52.6 42.0 63.0



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: 0.24 ng

RT: 15.58 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

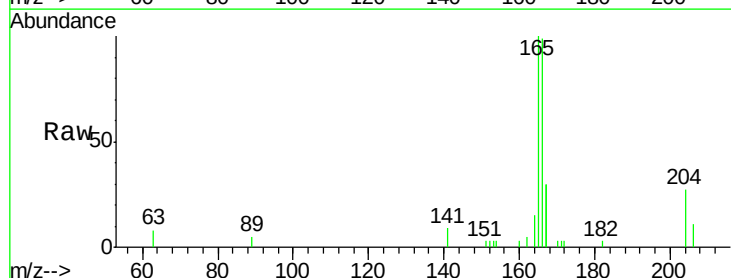
Tgt Ion:166 Resp: 3382

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

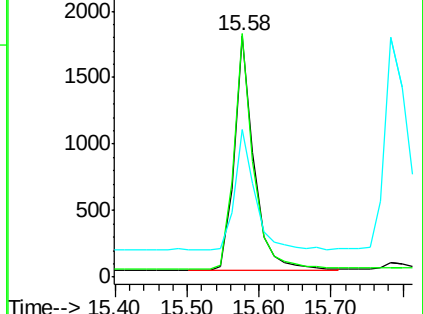
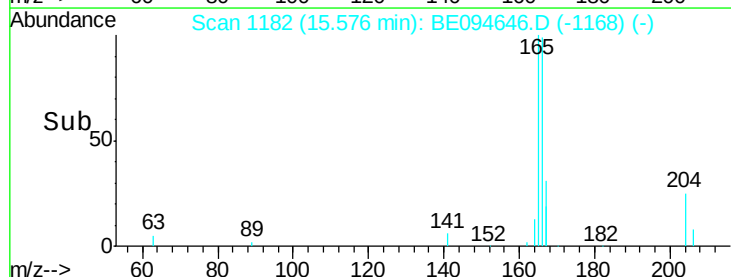
167 53.8 42.4 63.6

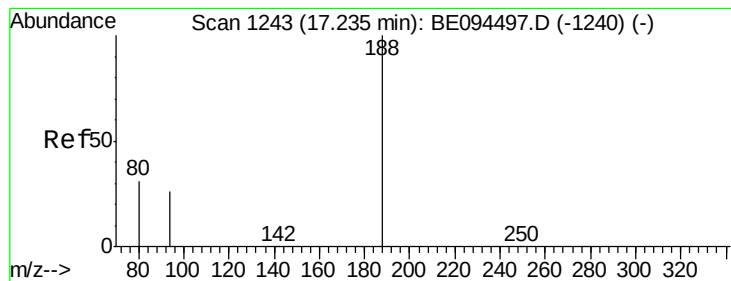


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1243

Delta R.T. 0.03 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

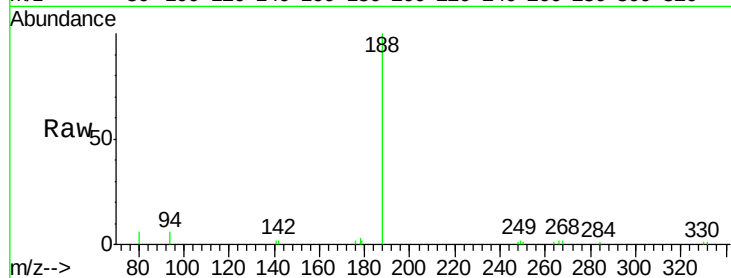
Tot Ion:188 Resp: 7747

Ion Ratio Lower Upper

188 100

94 6.4 3.9 5.9#

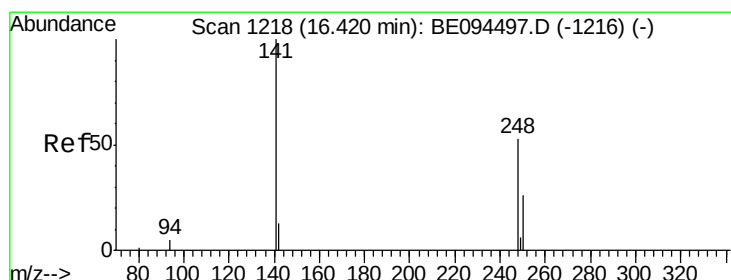
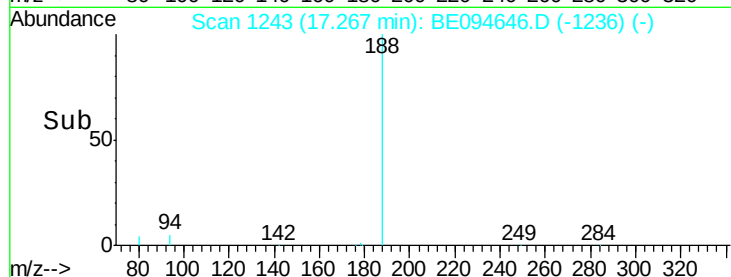
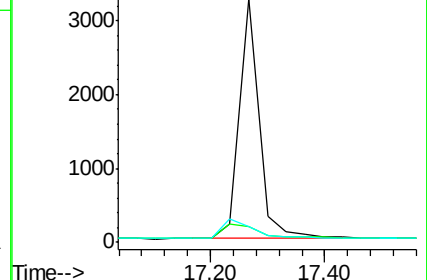
80 6.3 3.6 5.4#



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: 0.19 ng

RT: 16.45 min Scan# 1218

Delta R.T. 0.03 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

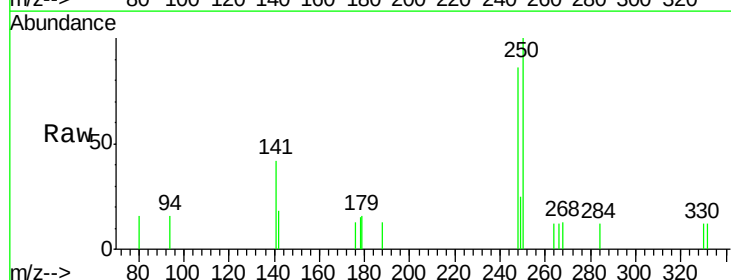
Tgt Ion:248 Resp: 816

Ion Ratio Lower Upper

248 100

250 116.8 62.7 94.1#

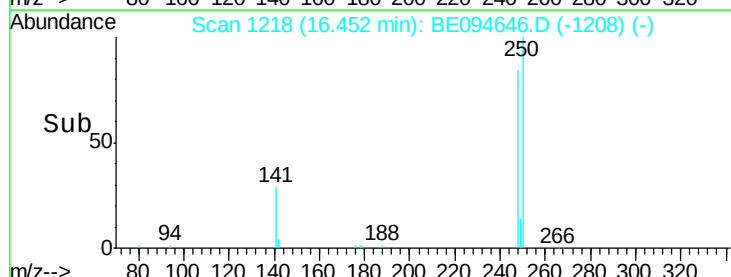
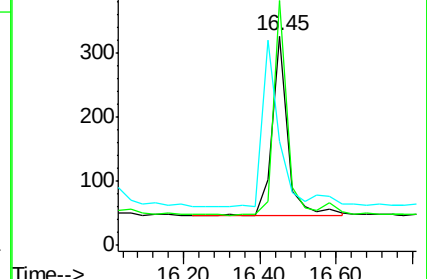
141 49.5 48.2 72.2

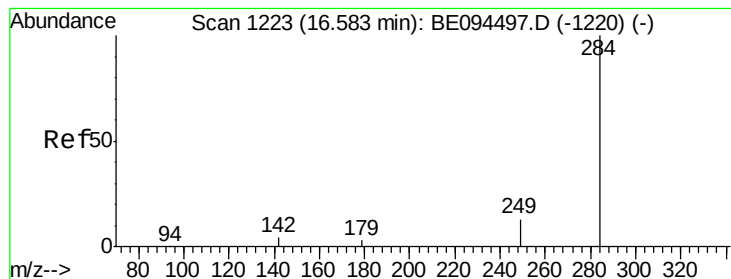


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.30 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

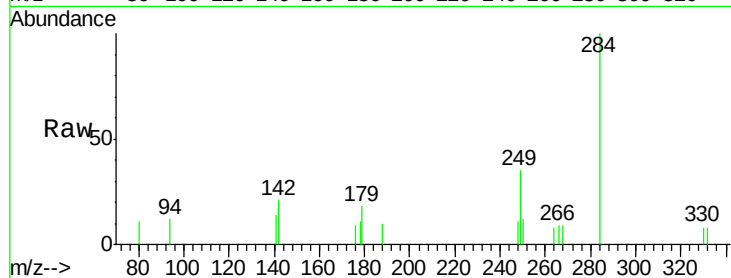
Tot Ion:284 Resp: 1111

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

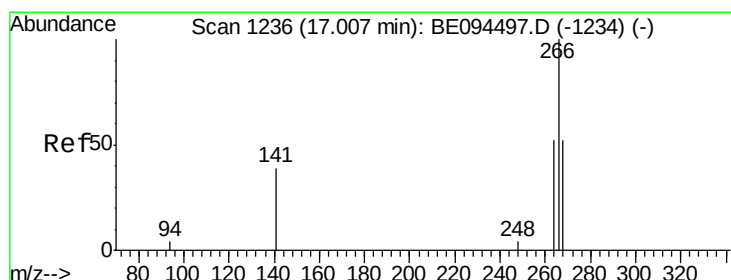
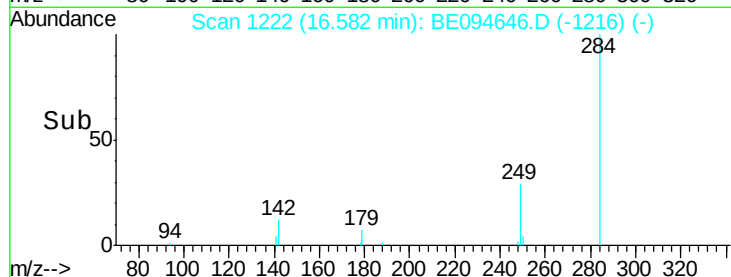
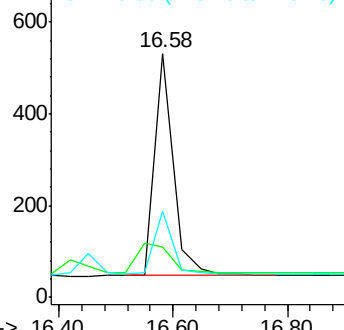
249 28.0 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.14 ng

RT: 17.04 min Scan# 1236

Delta R.T. 0.03 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

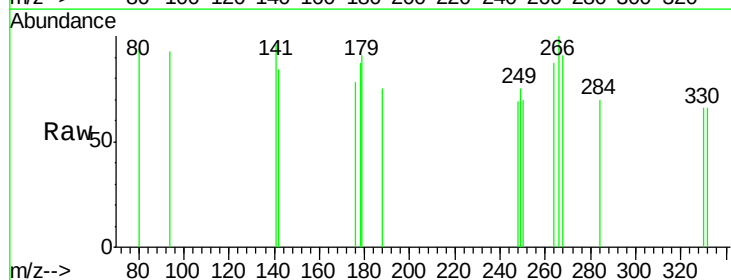
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

264 86.6 72.5 108.7

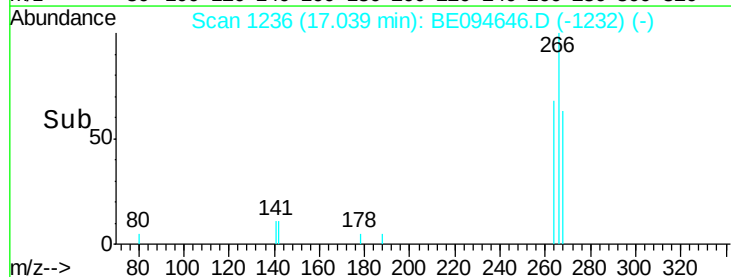
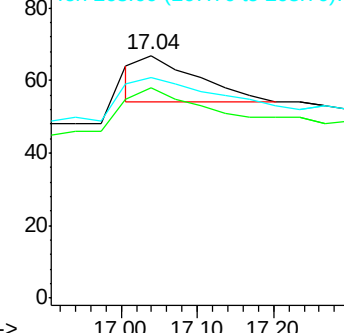
268 91.0 73.8 110.6

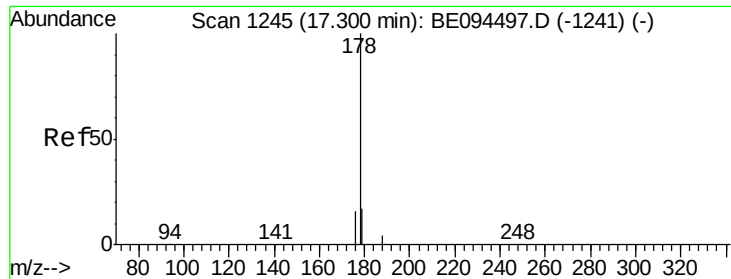


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.29 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

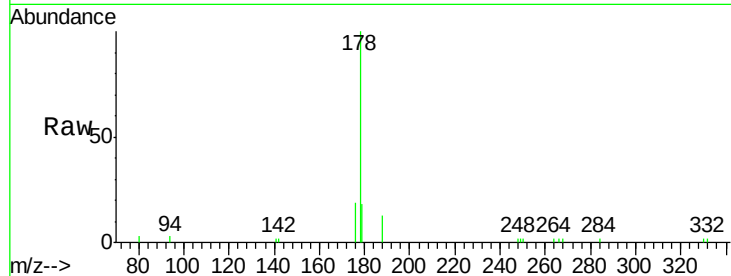
Tot Ion:178 Resp: 6311

Ion Ratio Lower Upper

178 100

176 17.7 15.1 22.7

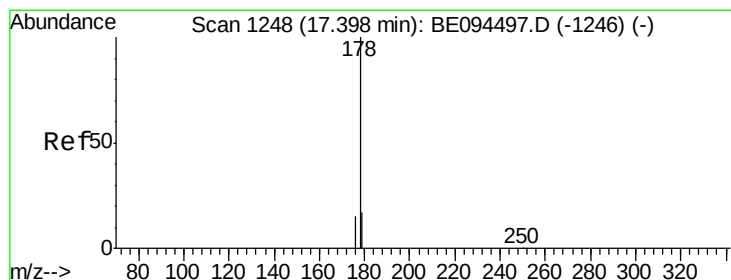
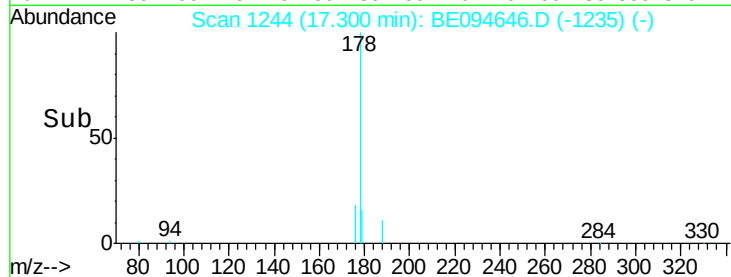
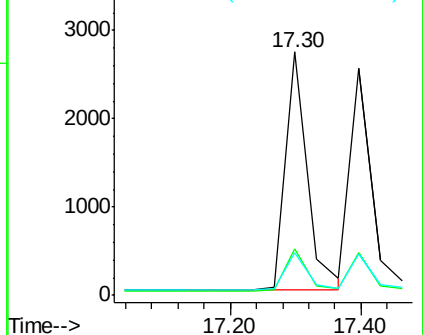
179 16.2 11.8 17.6



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: 0.26 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

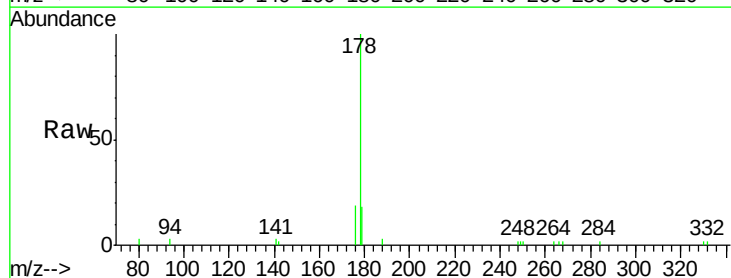
Tgt Ion:178 Resp: 5830

Ion Ratio Lower Upper

178 100

176 17.0 12.8 19.2

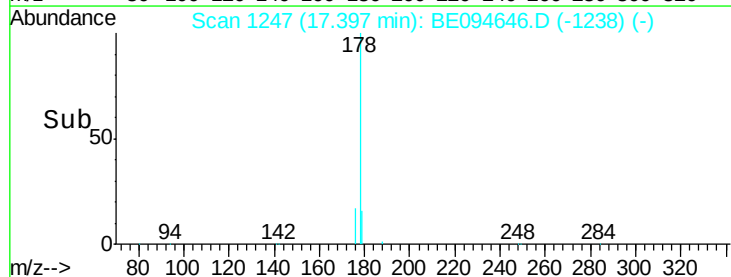
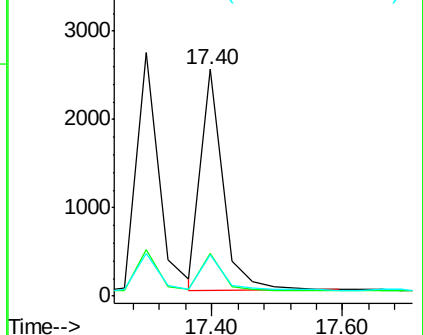
179 16.5 13.0 19.6

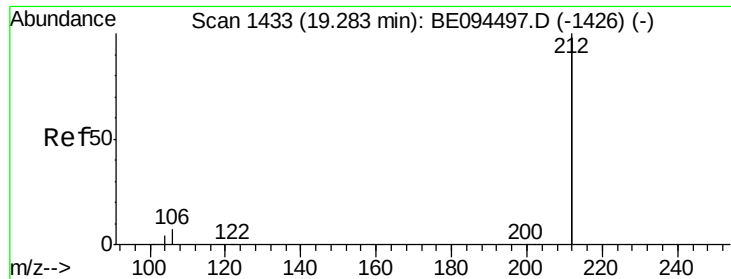


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

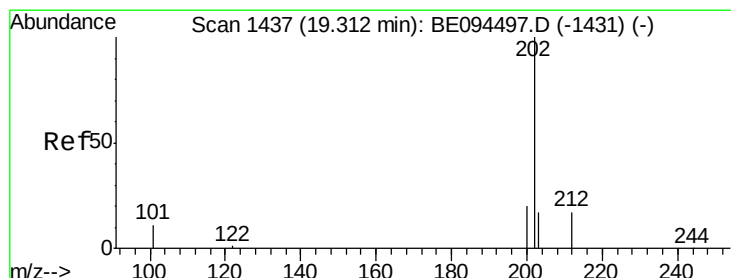
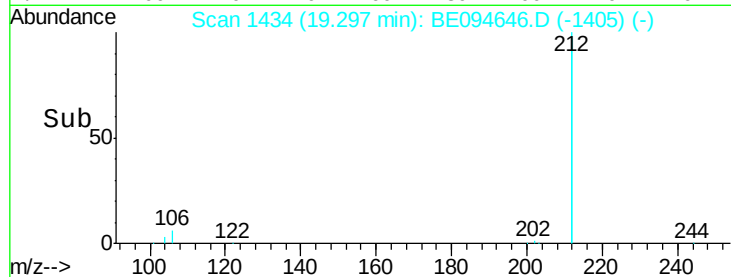
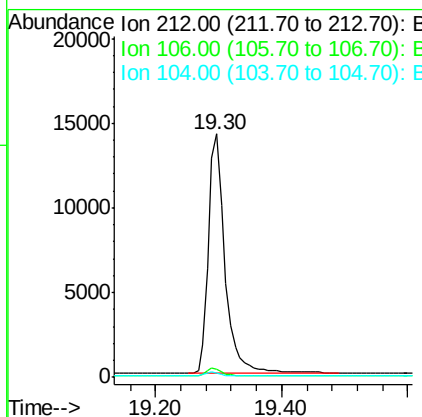
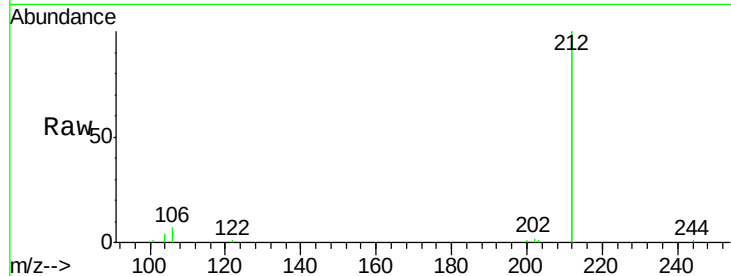




#25
 Fluoranthene-d10
 Concen: 0.24 ng
 RT: 19.30 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BE094646.D
 Acq: 30 Oct 2017 17:06

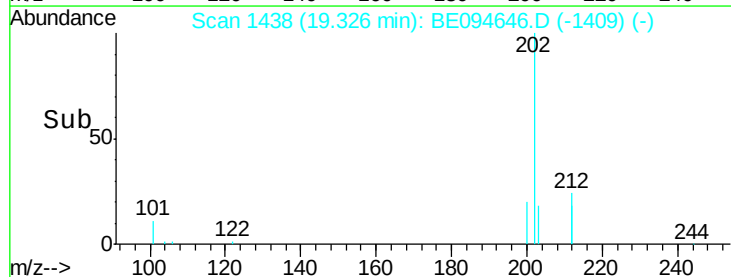
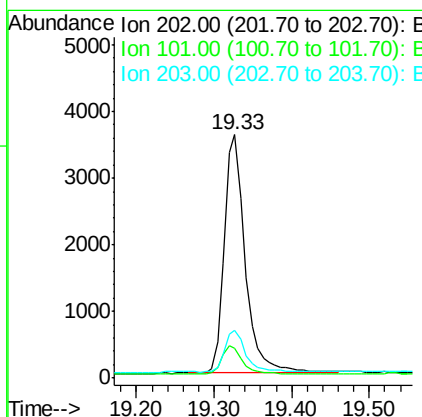
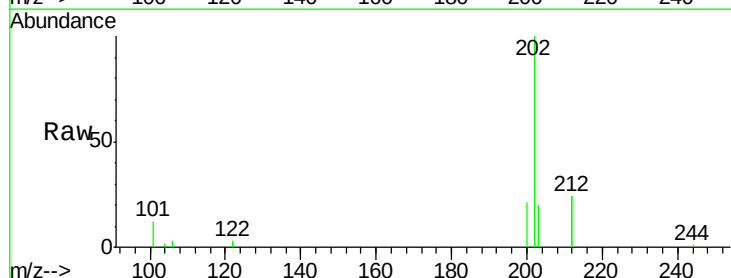
Instrument :
 BNA_E
 ClientSampleId :

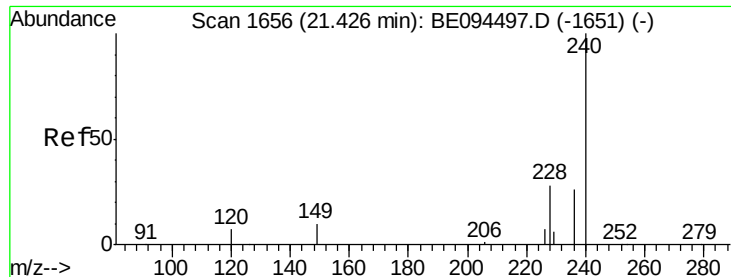
Tot Ion:212 Resp: 26116
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 1.8 1.6 2.4



#26
 Fluoranthene
 Concen: 0.20 ng
 RT: 19.33 min Scan# 1438
 Delta R.T. 0.01 min
 Lab File: BE094646.D
 Acq: 30 Oct 2017 17:06

Tgt Ion:202 Resp: 6744
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.8 14.8
 203 17.6 13.7 20.5





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.44 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

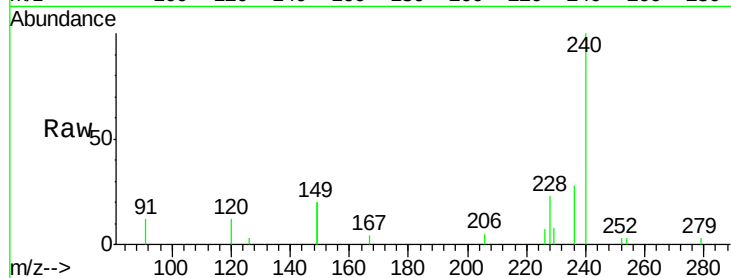
Tot Ion:240 Resp: 8165

Ion Ratio Lower Upper

240 100

120 12.2 5.5 8.3#

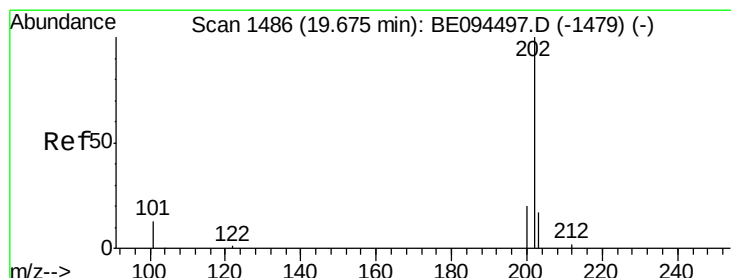
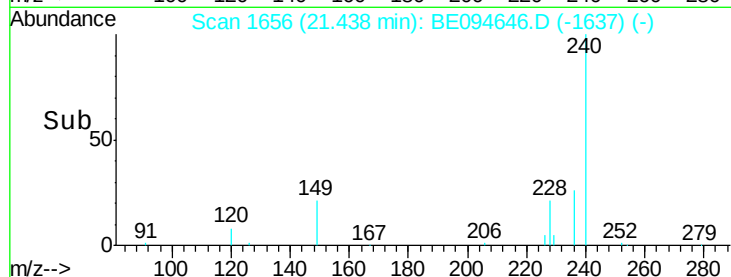
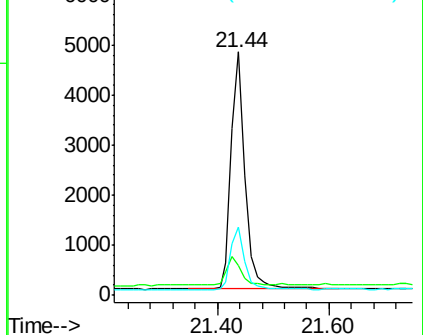
236 27.8 20.7 31.1



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: 0.25 ng

RT: 19.68 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

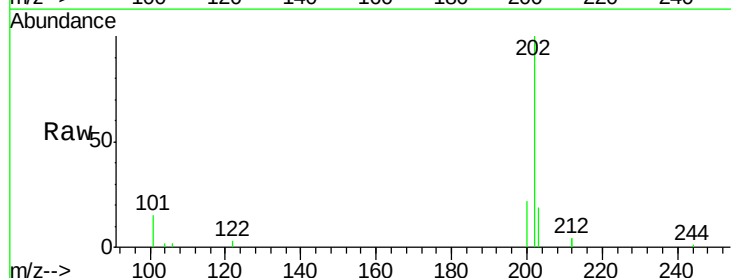
Tgt Ion:202 Resp: 6998

Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

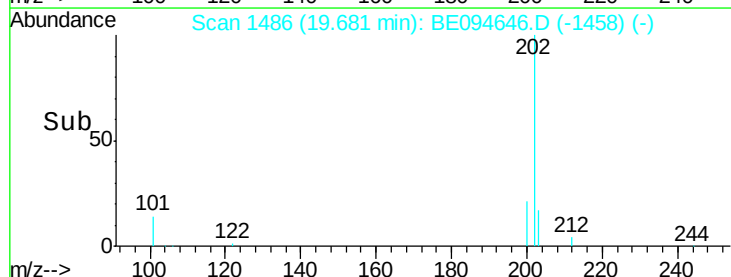
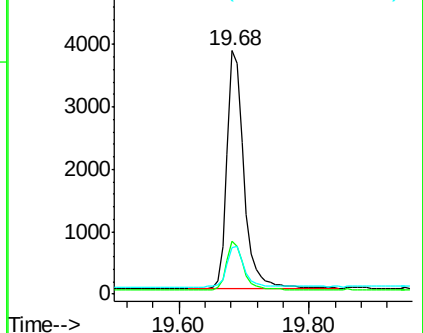
203 18.3 13.8 20.8

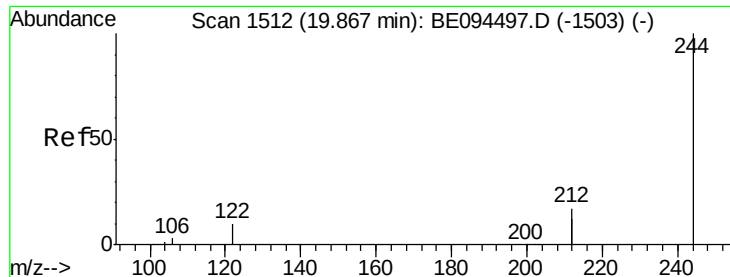


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.26 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.01 min

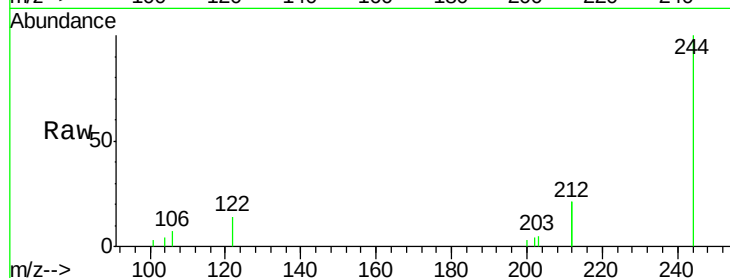
Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :



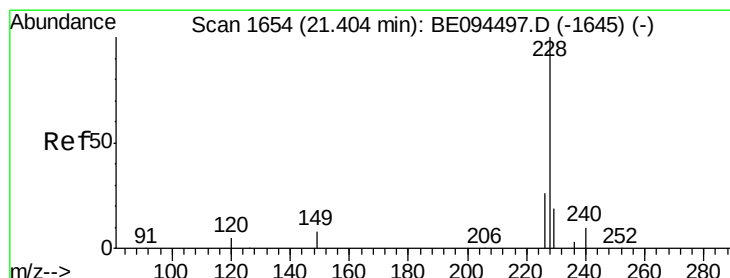
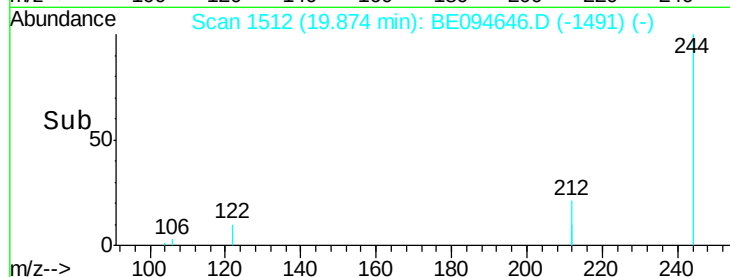
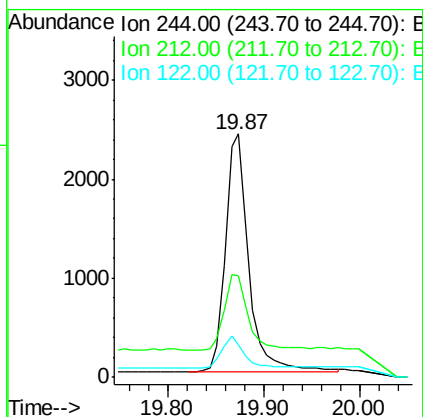
Tot Ion:244 Resp: 4023

Ion Ratio Lower Upper

244 100

212 41.5 25.4 38.0#

122 13.5 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.25 ng

RT: 21.42 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

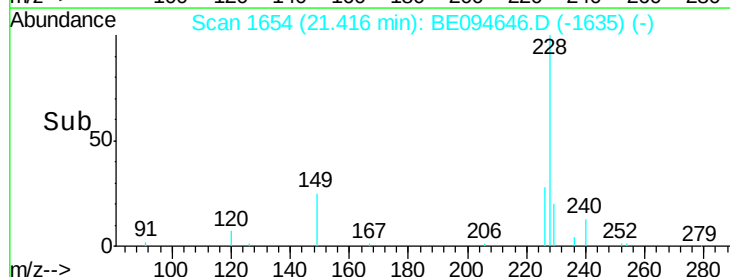
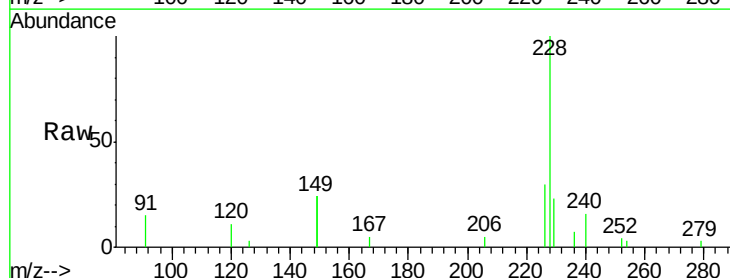
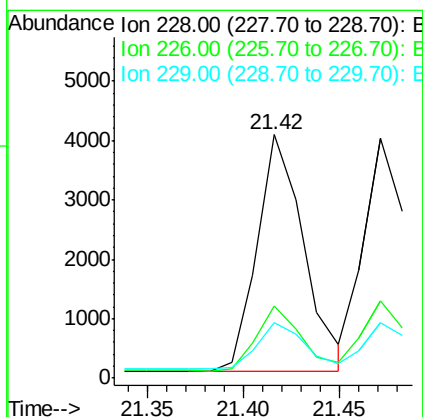
Tgt Ion:228 Resp: 6711

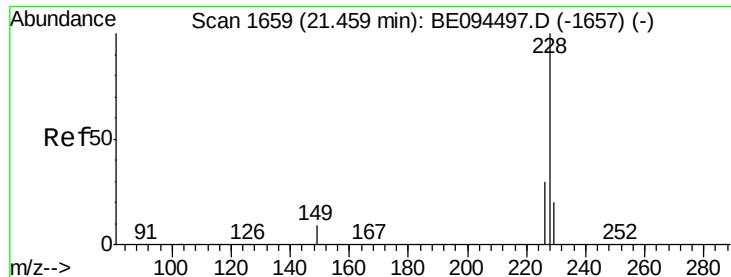
Ion Ratio Lower Upper

228 100

226 29.7 40.0 60.0#

229 22.9 40.0 60.0#





#31

Chrysene

Concen: 0.24 ng

RT: 21.47 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampled :

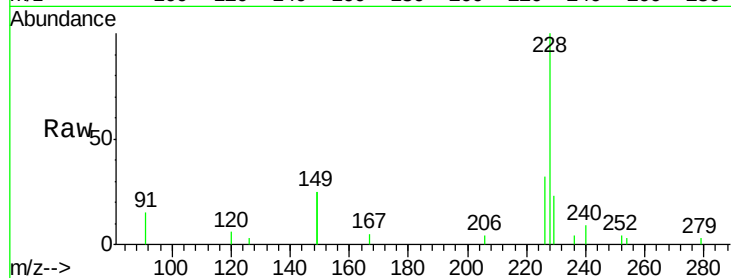
Tot Ion:228 Resp: 6599

Ion Ratio Lower Upper

228 100

226 32.1 40.0 60.0#

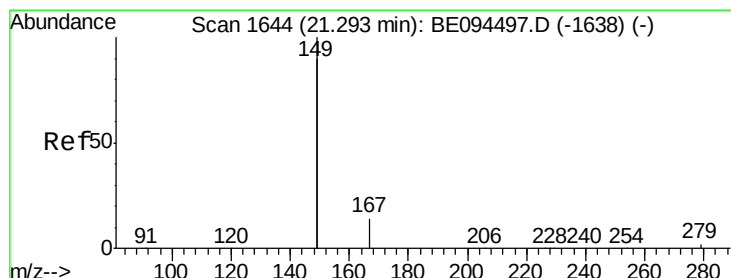
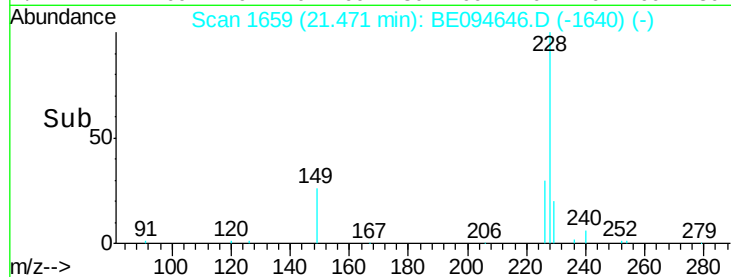
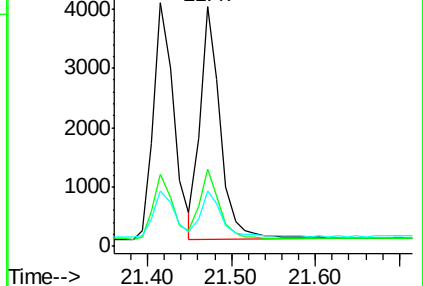
229 23.0 40.0 60.0#



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: 0.26 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

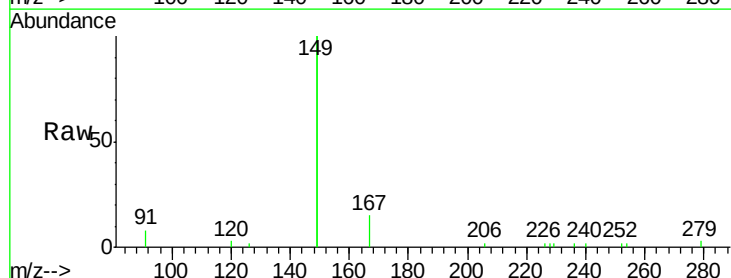
Tgt Ion:149 Resp: 17183

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

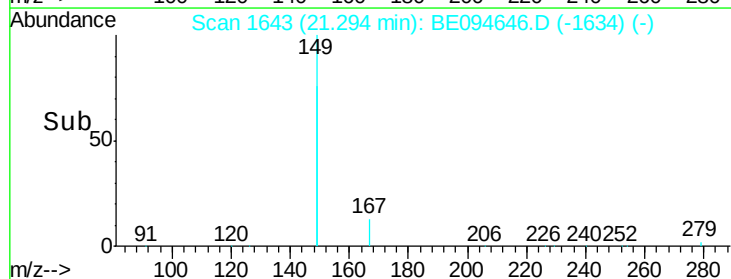
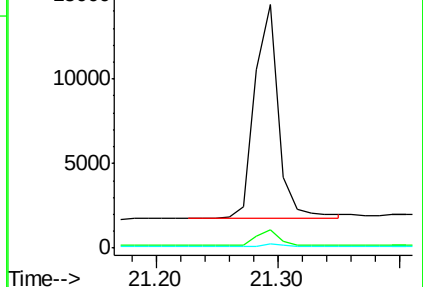
279 1.1 0.7 1.1#

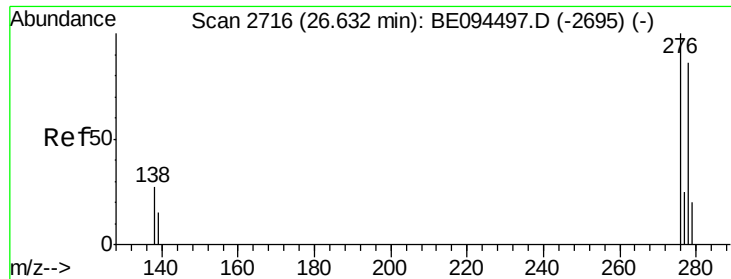


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

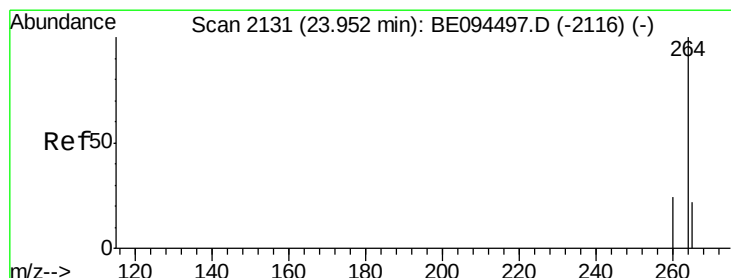
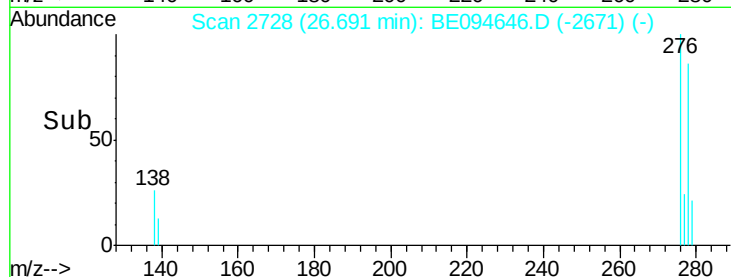
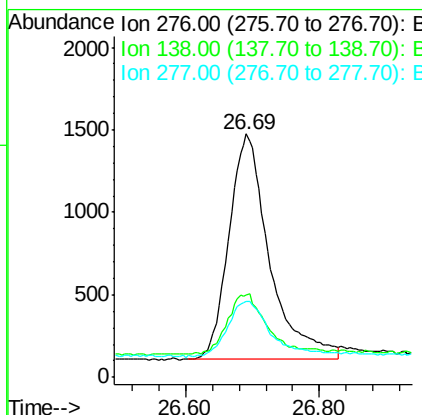
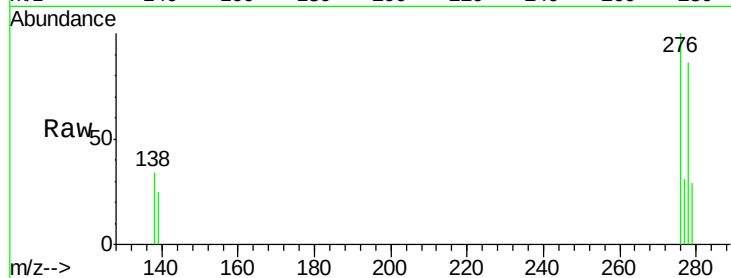




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.23 ng
RT: 26.69 min Scan# 2728
Delta R.T. 0.06 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

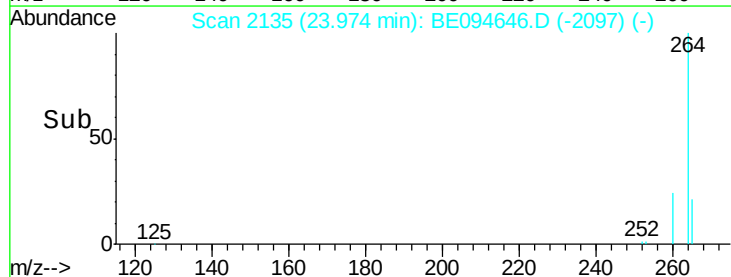
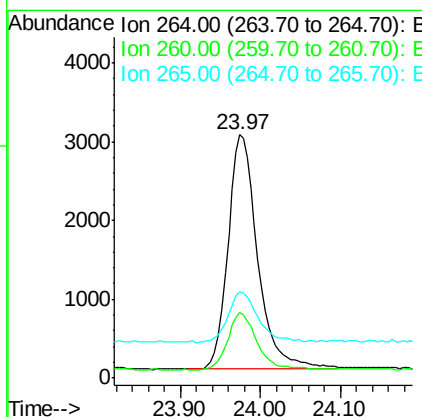
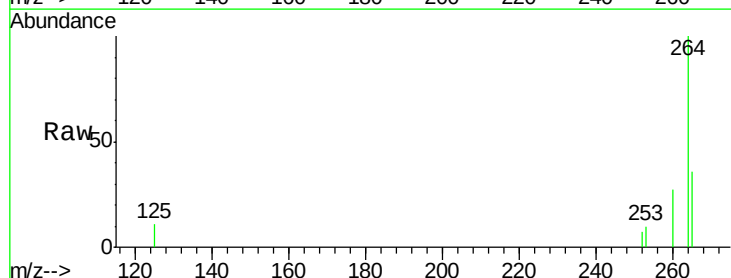
Instrument :
BNA_E
ClientSampleId :

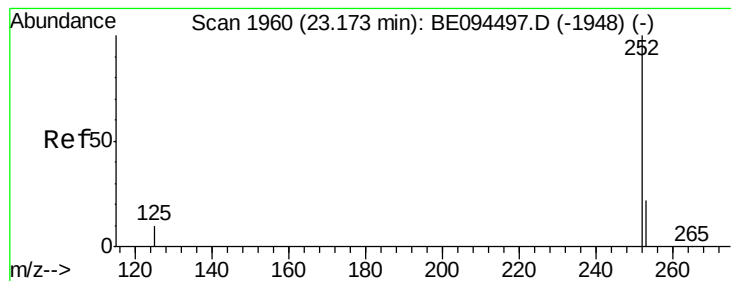
Tot Ion:276 Resp: 5752
Ion Ratio Lower Upper
276 100
138 26.1 22.5 33.7
277 26.1 19.9 29.9



#34
Perylene-d12
Concen: 0.40 ng
RT: 23.97 min Scan# 2135
Delta R.T. 0.02 min
Lab File: BE094646.D
Acq: 30 Oct 2017 17:06

Tgt Ion:264 Resp: 7688
Ion Ratio Lower Upper
264 100
260 26.9 20.5 30.7
265 35.6 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.25 ng

RT: 23.20 min Scan# 1964

Delta R.T. 0.02 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

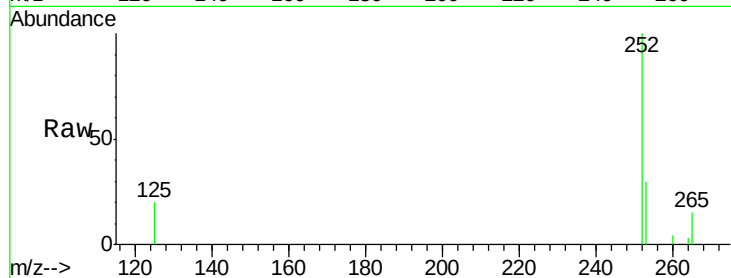
Tot Ion:252 Resp: 6097

Ion Ratio Lower Upper

252 100

253 29.9 48.0 72.0#

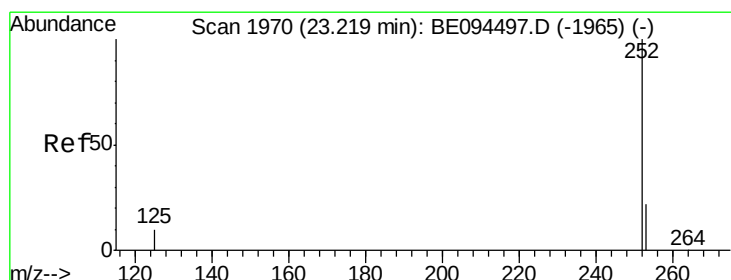
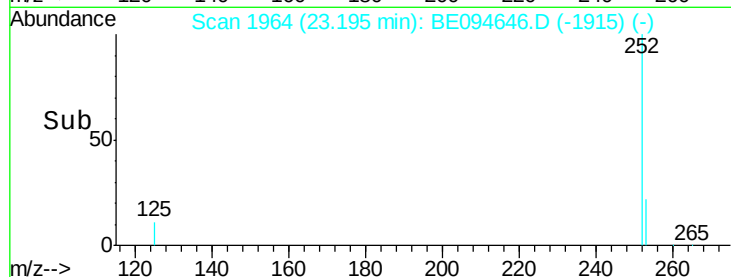
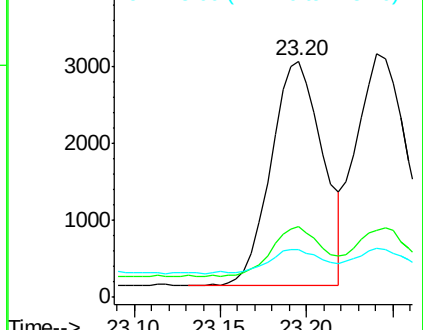
125 20.4 56.0 84.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.25 ng

RT: 23.24 min Scan# 1974

Delta R.T. 0.02 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

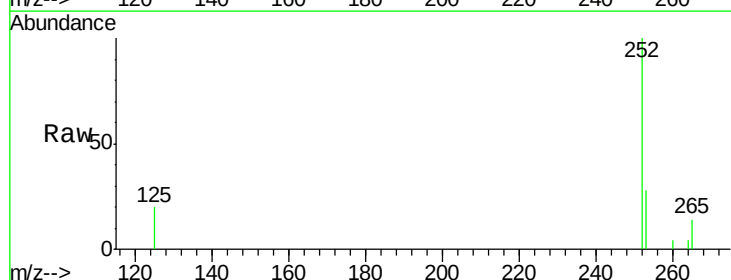
Tgt Ion:252 Resp: 6652

Ion Ratio Lower Upper

252 100

253 27.6 48.0 72.0#

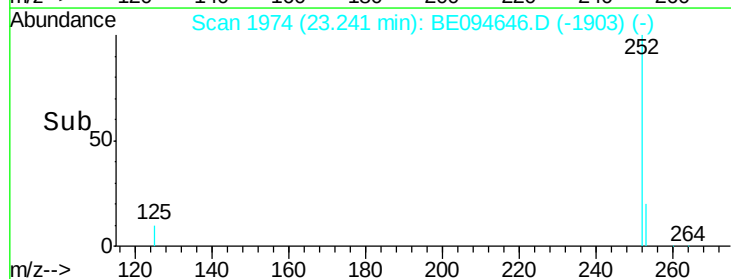
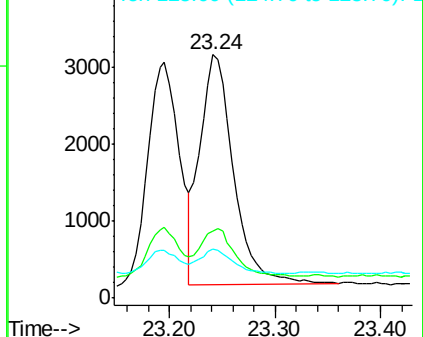
125 20.2 56.0 84.0#

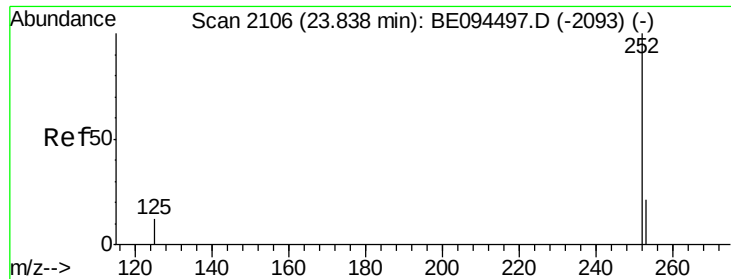


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.25 ng

RT: 23.86 min Scan# 2111

Delta R.T. 0.03 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :

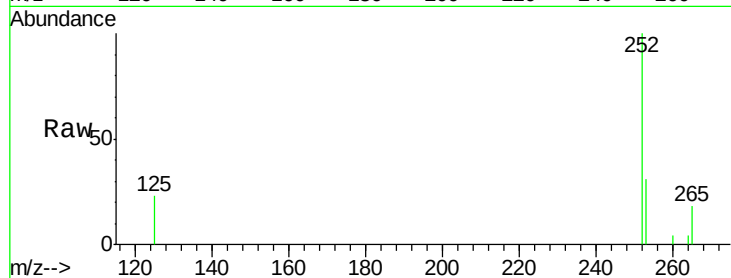
Tot Ion:252 Resp: 6071

Ion Ratio Lower Upper

252 100

253 31.0 52.0 78.0#

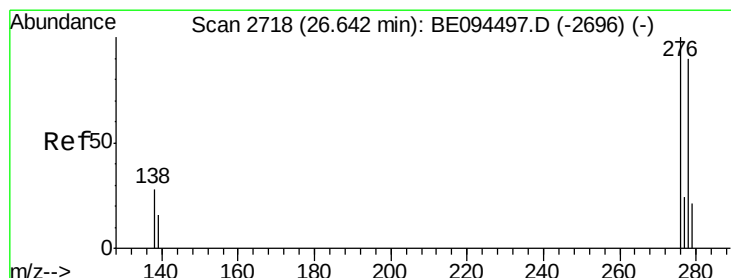
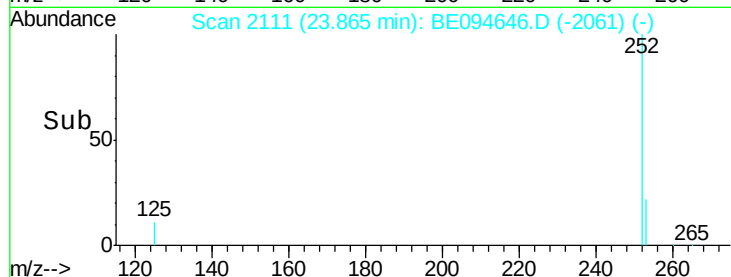
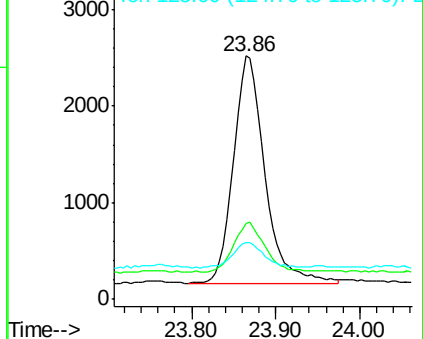
125 23.5 68.0 102.0#



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: 0.24 ng

RT: 26.69 min Scan# 2727

Delta R.T. 0.04 min

Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

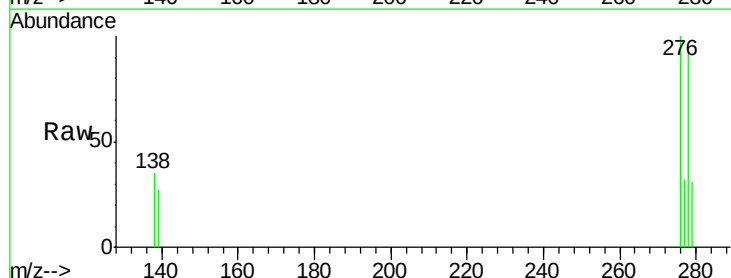
Tgt Ion:278 Resp: 5138

Ion Ratio Lower Upper

278 100

139 29.3 56.0 84.0#

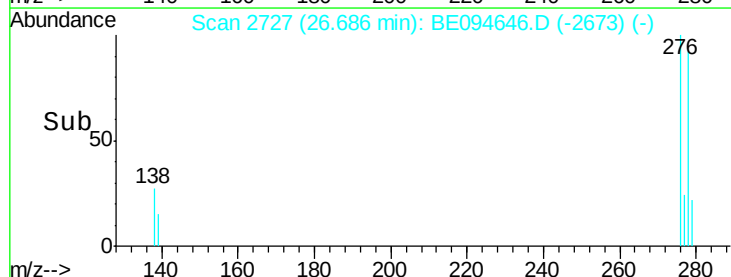
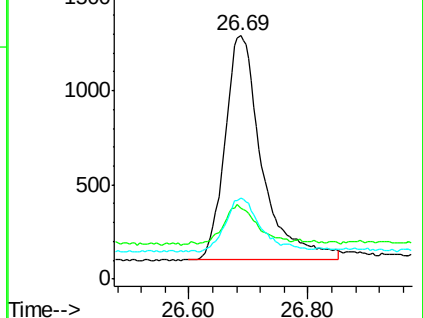
279 33.5 52.0 78.0#

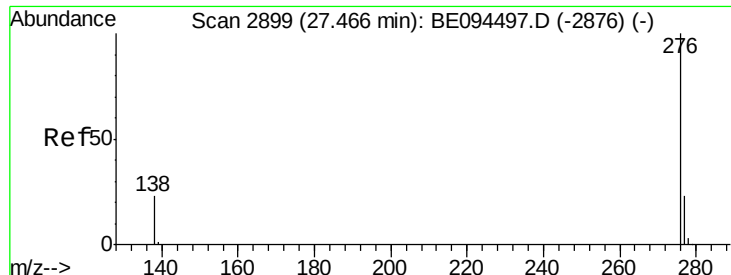


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.22 ng

RT: 27.53 min Scan# 2912

Delta R.T. 0.06 min

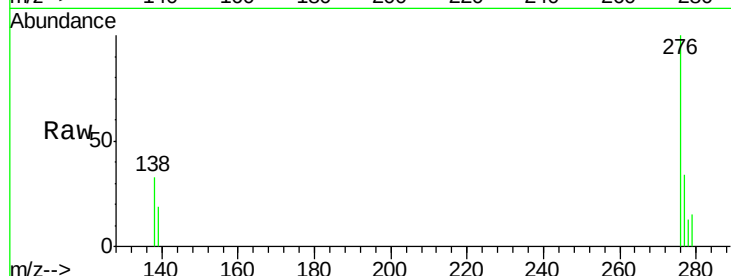
Lab File: BE094646.D

Acq: 30 Oct 2017 17:06

Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	4365
Ion	Ratio	Lower	Upper
276	100		
277	34.1	52.0	78.0#
138	33.3	44.0	66.0#

