

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094443.D
 Acq On : 19 Oct 2017 12:18
 Operator : SJ/JU
 Sample : PB103238BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB103238BSD

Quant Time: Oct 20 12:38:32 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1186	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	5817	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3688	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	7096	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	9631	0.40	ng	0.00
34) Perylene-d12	23.95	264	9292	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	1483	0.37	ng	0.00
5) Phenol-d6	7.13	99	2076	0.33	ng	0.00
8) Nitrobenzene-d5	9.08	82	1899	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	3726	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	460	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4918	0.37	ng	0.00
25) Fluoranthene-d10	19.28	212	42856	0.38	ng	0.00
29) Terphenyl-d14	19.86	244	7183	0.37	ng	0.00

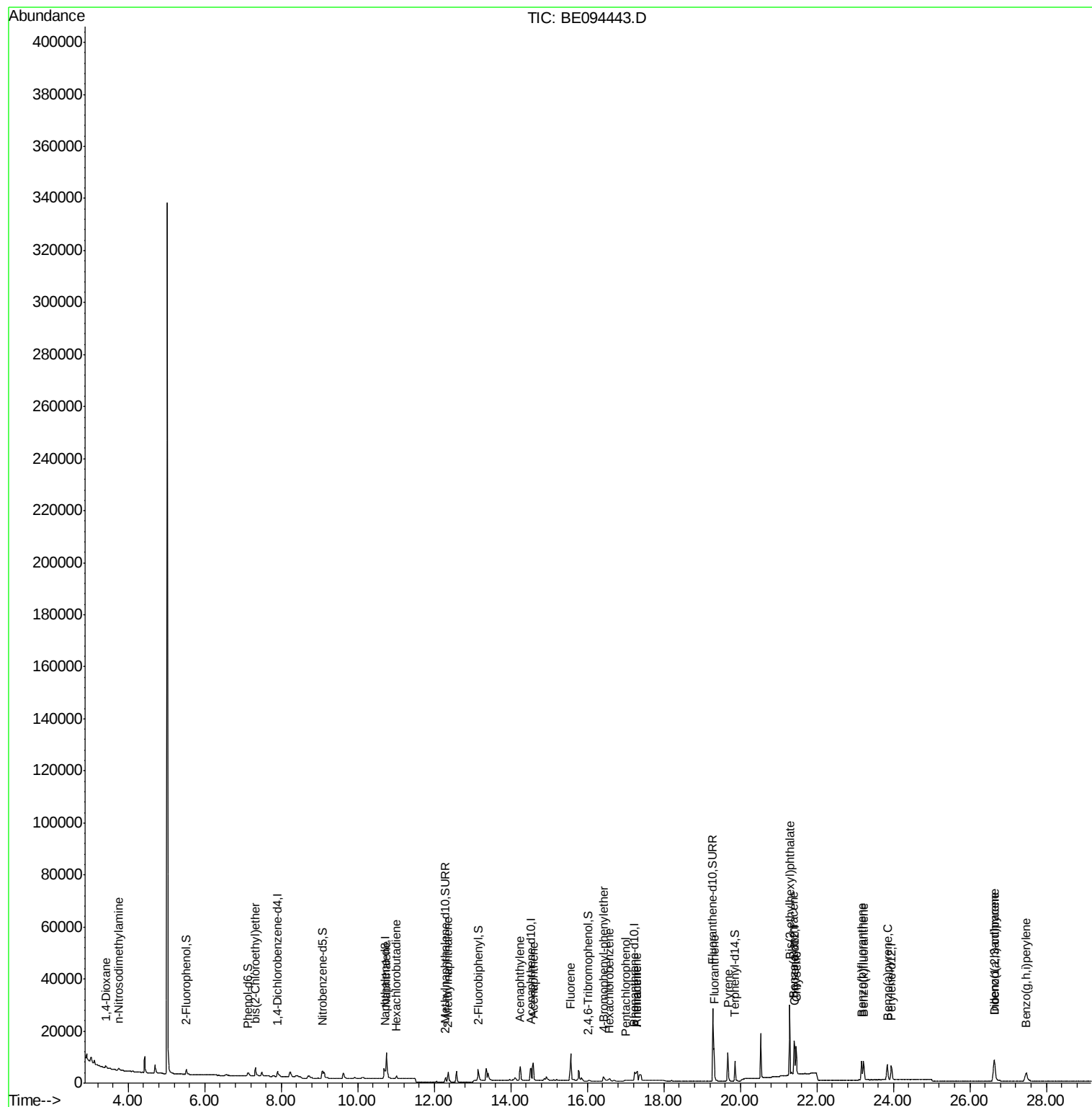
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	662	0.309	ng	# 54
3) n-Nitrosodimethylamine	3.74	42	777	0.377	ng	# 97
6) bis(2-Chloroethyl)ether	7.33	93	1436	0.311	ng	95
9) Naphthalene	10.74	128	22645	0.348	ng	100
10) Hexachlorobutadiene	11.01	225	837	0.322	ng	97
12) 2-Methylnaphthalene	12.36	142	3976	0.371	ng	98
16) Acenaphthylene	14.24	152	6783	0.339	ng	99
17) Acenaphthene	14.58	154	4294	0.341	ng	98
18) Fluorene	15.56	166	5630	0.347	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	1275	0.359	ng	# 5
21) Hexachlorobenzene	16.58	284	1651	0.248	ng	# 58
22) Pentachlorophenol	17.01	266	309	0.570	ng	89
23) Phenanthrene	17.30	178	7238	0.259	ng	# 92
24) Anthracene	17.30	178	7238	0.335	ng	# 90
26) Fluoranthene	19.31	202	11286	0.326	ng	99
28) Pyrene	19.67	202	11615	0.320	ng	98
30) Benzo(a)anthracene	21.40	228	11433	0.343	ng	# 63
31) Chrysene	21.46	228	10739	0.335	ng	# 66
32) Bis(2-ethylhexyl)phthalate	21.29	149	30167	0.314	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	11560	0.358	ng	99
35) Benzo(b)fluoranthene	23.17	252	10580	0.336	ng	# 43
36) Benzo(k)fluoranthene	23.22	252	11016	0.355	ng	# 42
37) Benzo(a)pyrene	23.84	252	10120	0.342	ng	# 37
38) Dibenzo(a,h)anthracene	26.64	278	9597	0.342	ng	# 47
39) Benzo(g,h,i)perylene	27.48	276	9421	0.349	ng	# 59

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

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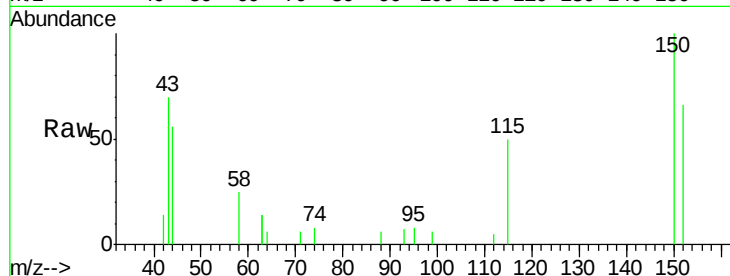
Tgt Ion:152 Resp: 1186

Ion Ratio Lower Upper

152 100

150 152.6 117.2 175.8

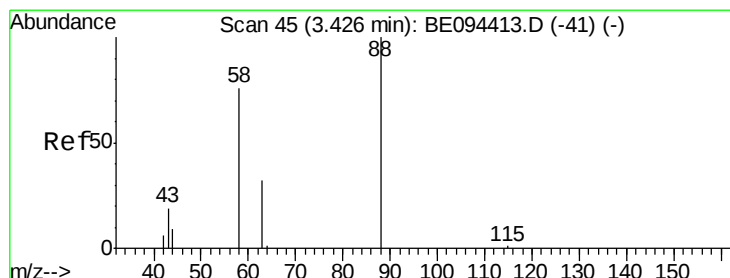
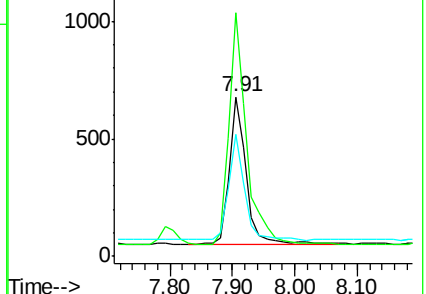
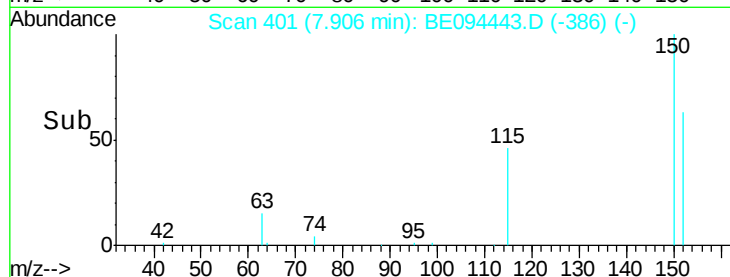
115 76.6 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.309 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

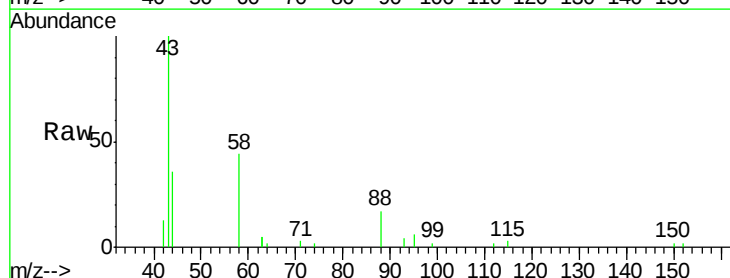
Tgt Ion: 88 Resp: 662

Ion Ratio Lower Upper

88 100

58 103.0 63.2 94.8#

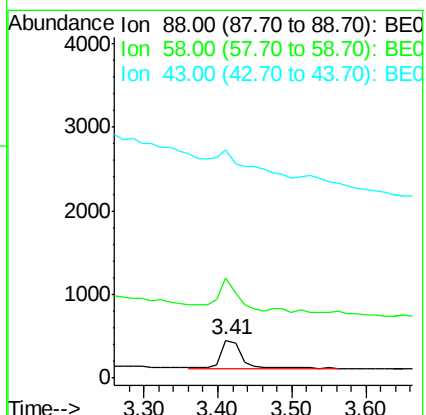
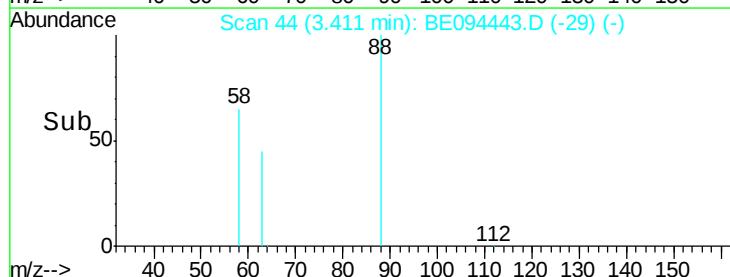
43 0.0 41.2 61.8#

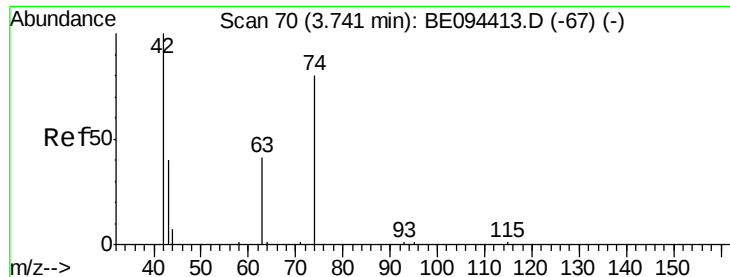


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.377 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.00 min

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Acq: 19 Oct 2017 12:18

Instrument :

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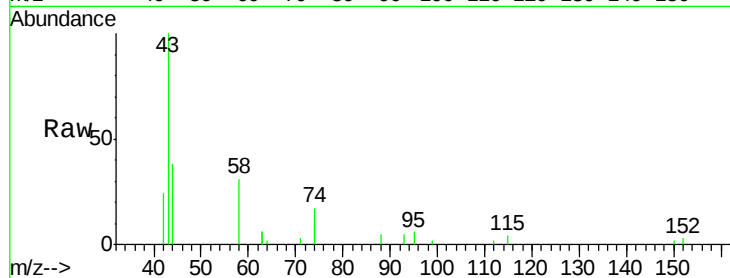
Tgt Ion: 42 Resp: 777

Ion Ratio Lower Upper

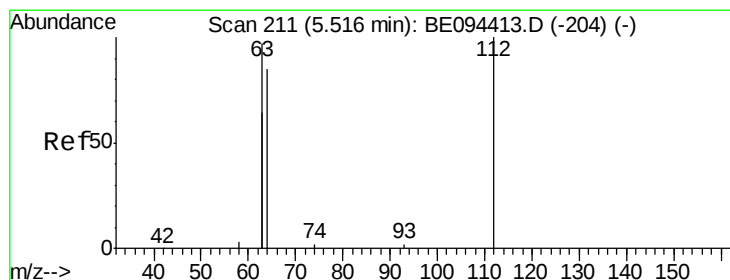
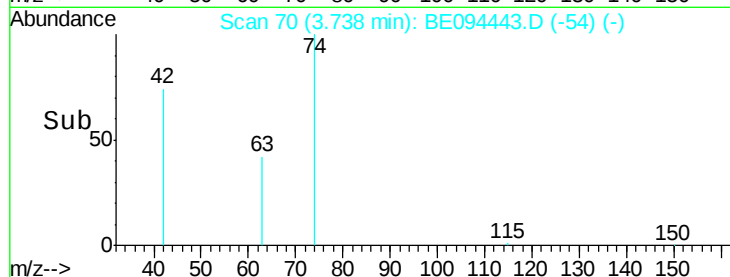
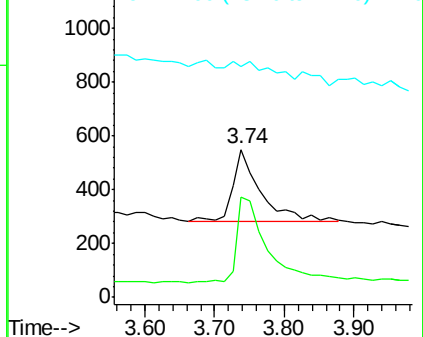
42 100

74 125.0 100.3 150.5

44 30.0 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: 0.370 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

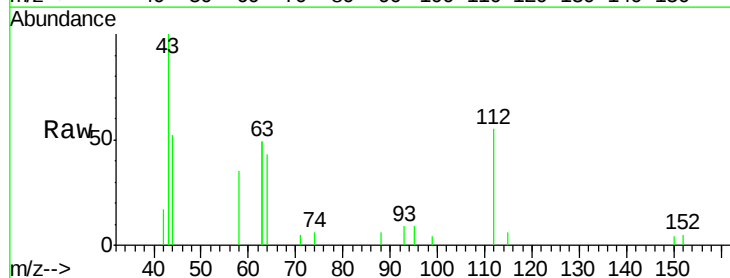
Tgt Ion: 112 Resp: 1483

Ion Ratio Lower Upper

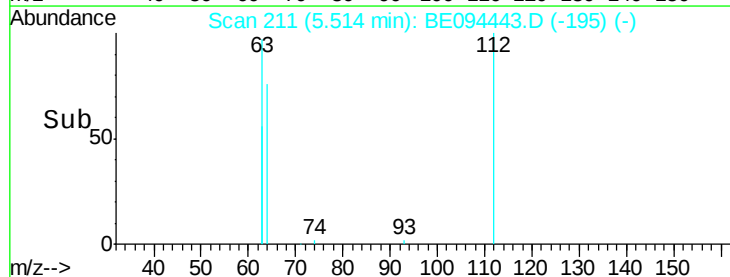
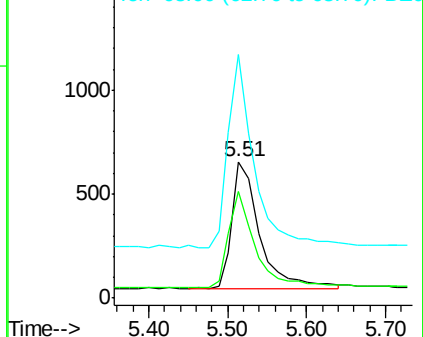
112 100

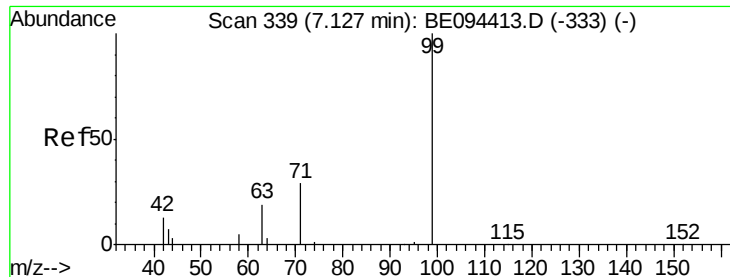
64 73.2 60.1 90.1

63 145.2 116.8 175.2



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: 0.332 ng

RT: 7.13 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

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PB103238BSD

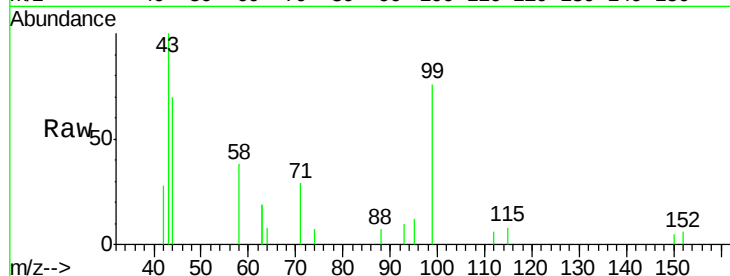
Tgt Ion: 99 Resp: 2076

Ion Ratio Lower Upper

99 100

42 20.4 20.2 30.2

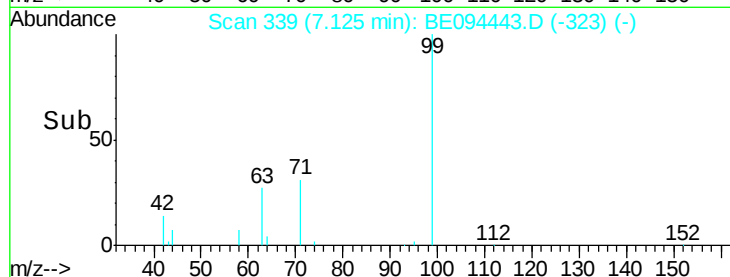
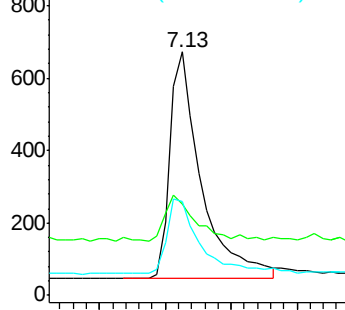
71 34.4 28.4 42.6



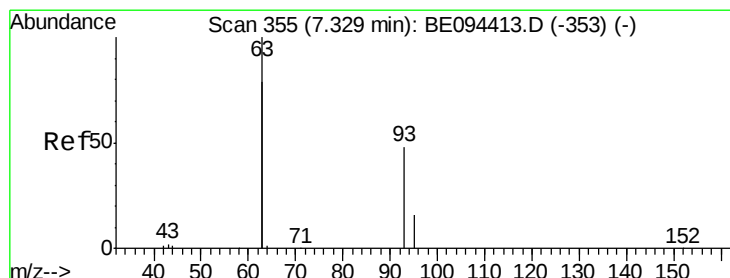
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.311 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

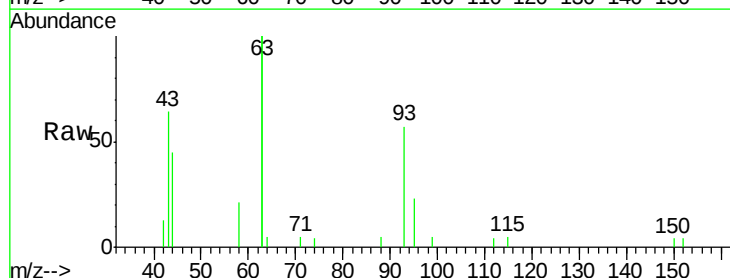
Tgt Ion: 93 Resp: 1436

Ion Ratio Lower Upper

93 100

63 354.7 275.3 412.9

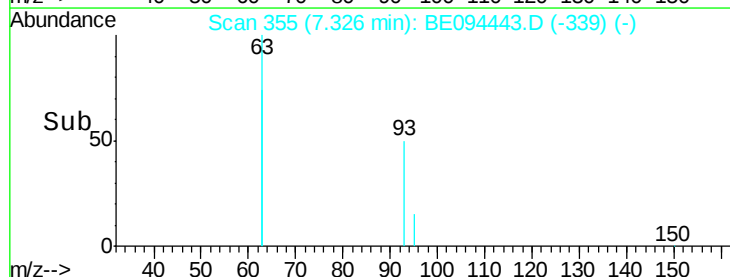
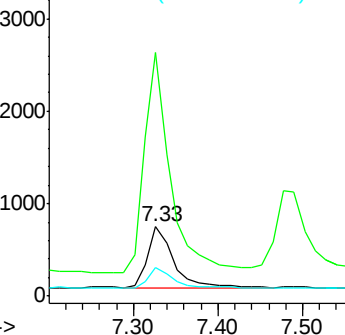
95 32.0 25.2 37.8

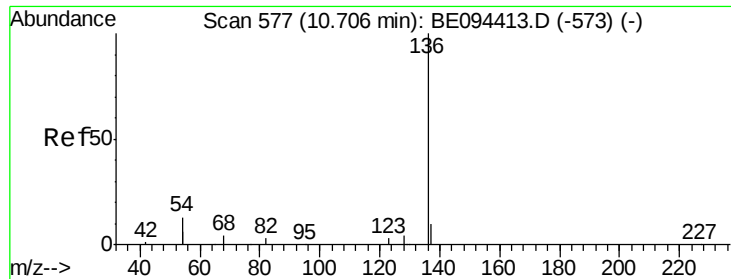


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

Tgt Ion: 136 Resp: 5817

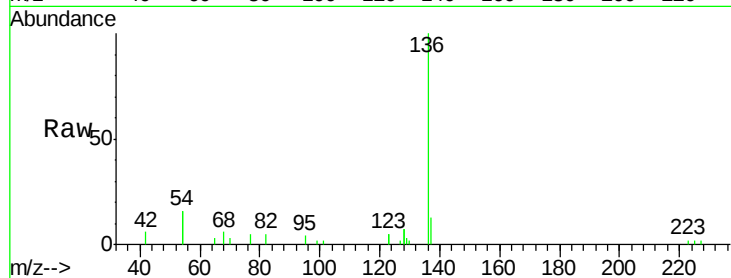
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 31.9 29.1 43.7

68 6.4 6.2 9.2

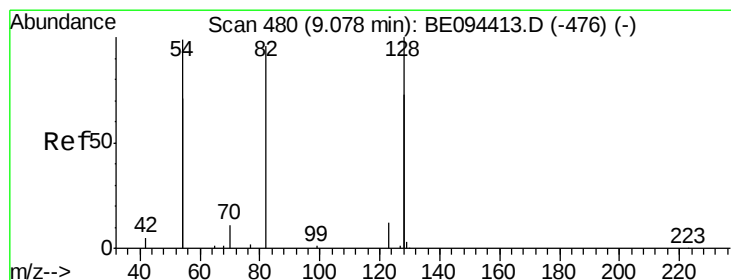
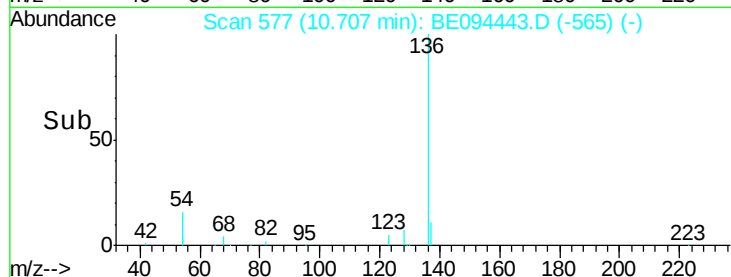
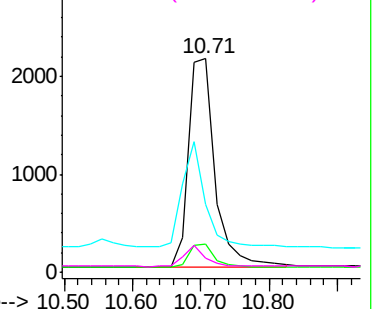


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

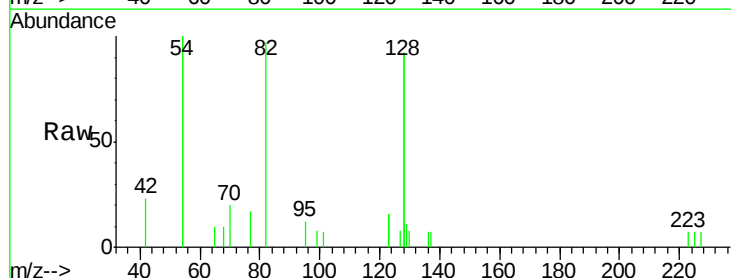
Tgt Ion: 82 Resp: 1899

Ion Ratio Lower Upper

82 100

128 189.3 150.0 225.0

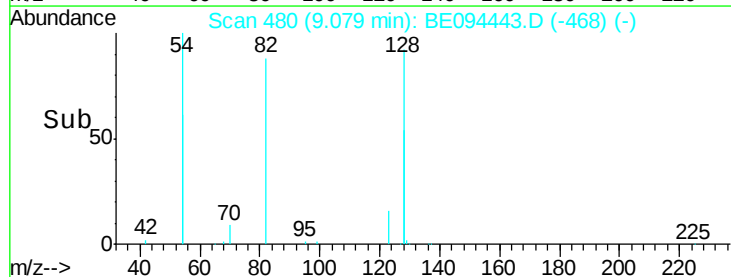
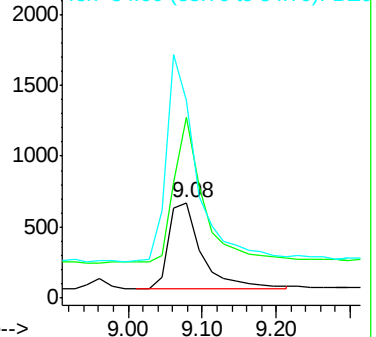
54 206.8 154.2 231.4

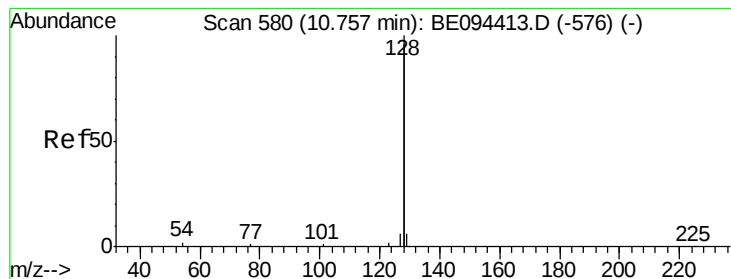


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.348 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

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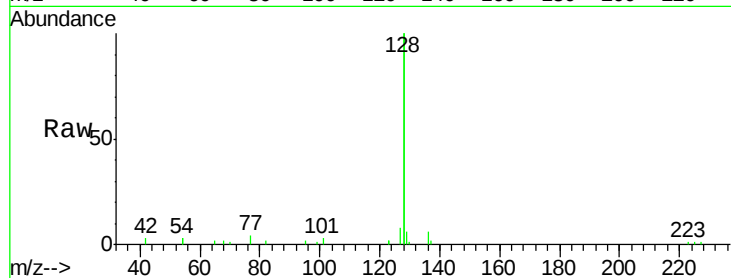
Tgt Ion:128 Resp: 22645

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

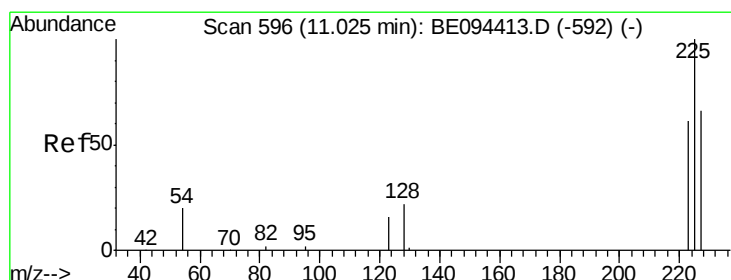
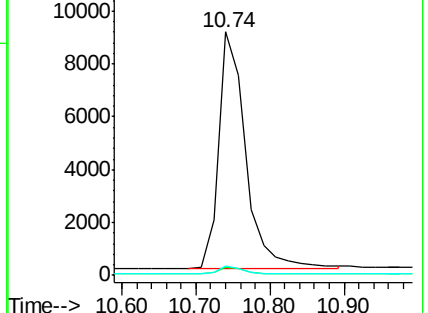
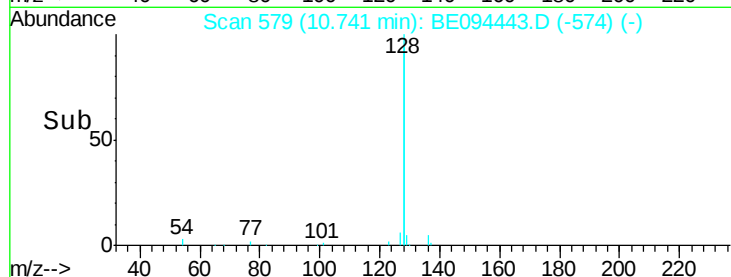
127 3.8 2.8 4.2



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: 0.322 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

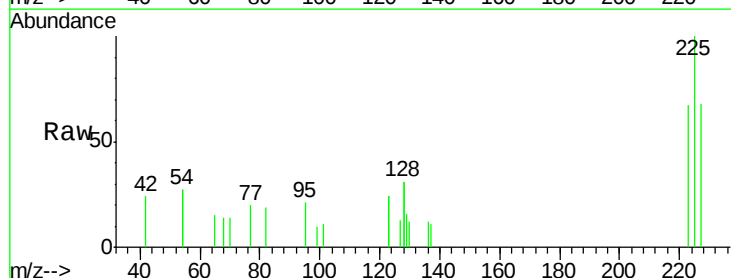
Tgt Ion:225 Resp: 837

Ion Ratio Lower Upper

225 100

223 62.2 53.0 79.6

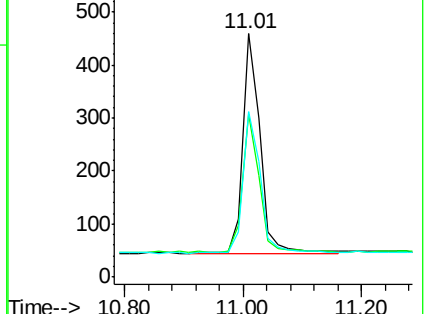
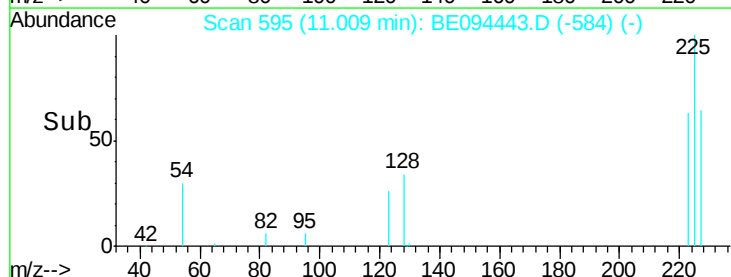
227 65.2 51.4 77.2



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: 0.416 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

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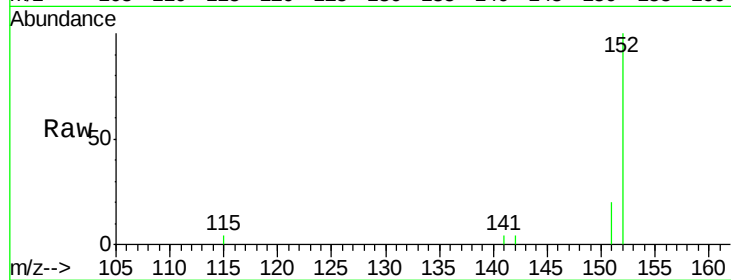
PB103238BSD

Tgt Ion:152 Resp: 3726

Ion Ratio Lower Upper

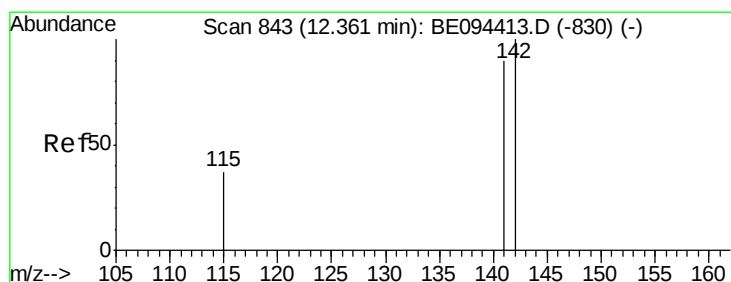
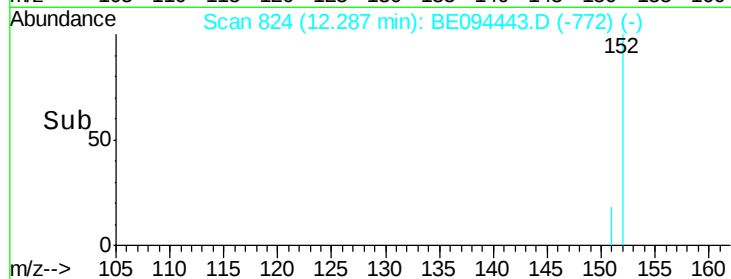
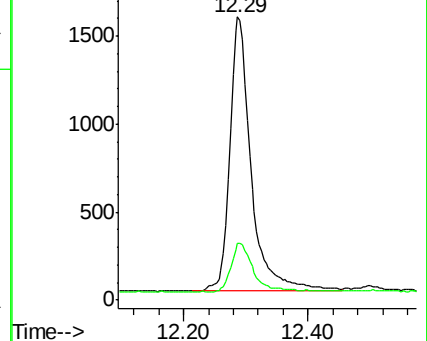
152 100

151 17.9 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: 0.371 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

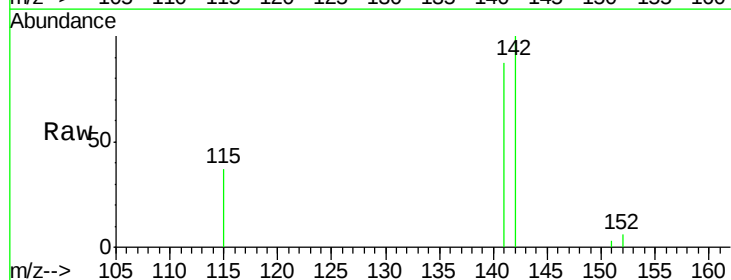
Tgt Ion:142 Resp: 3976

Ion Ratio Lower Upper

142 100

141 87.3 70.4 105.6

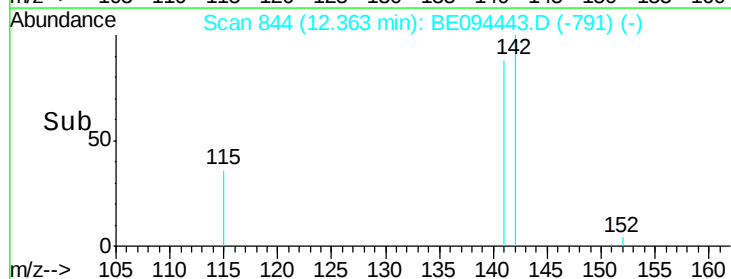
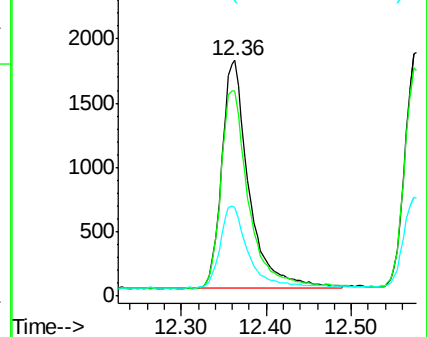
115 37.5 31.7 47.5

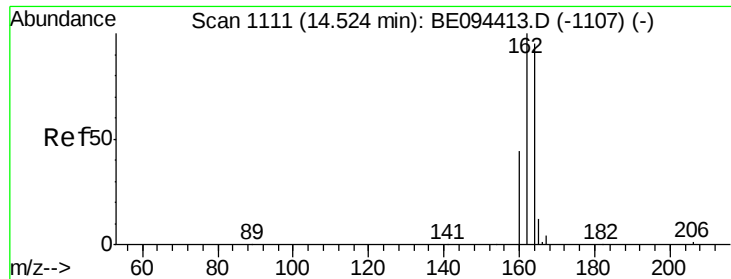


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.52 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094443.D

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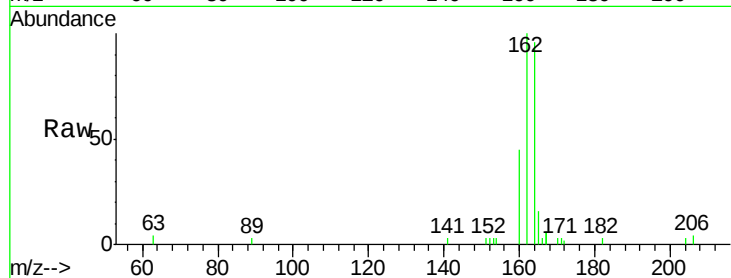
Tgt Ion:164 Resp: 3688

Ion Ratio Lower Upper

164 100

162 104.5 83.1 124.7

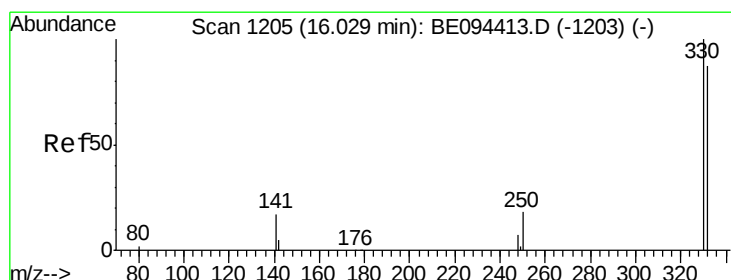
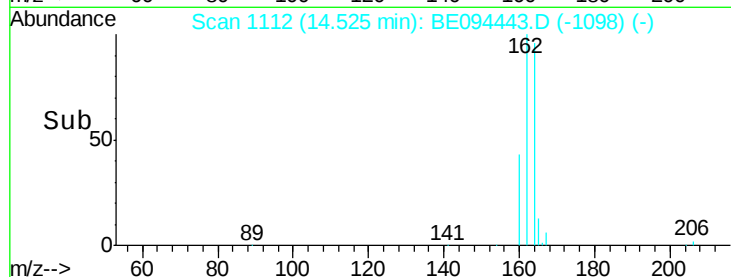
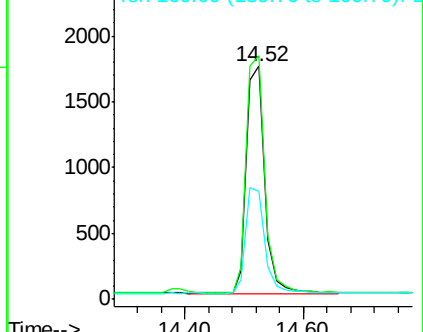
160 46.6 37.1 55.7



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: 0.327 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

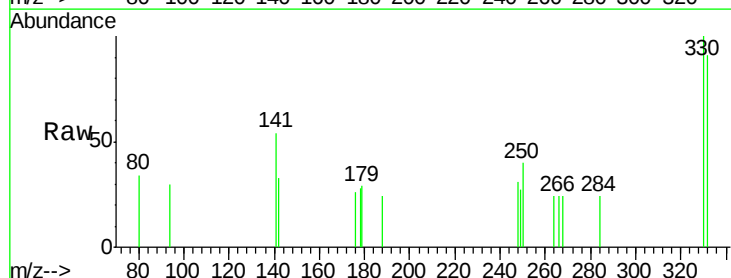
Tgt Ion:330 Resp: 460

Ion Ratio Lower Upper

330 100

332 97.0 152.7 229.1#

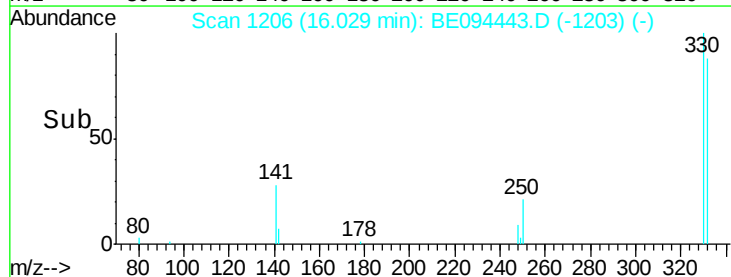
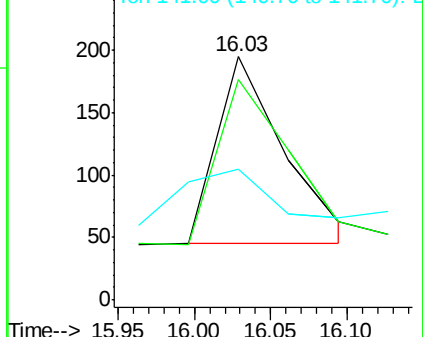
141 0.0 33.7 50.5#

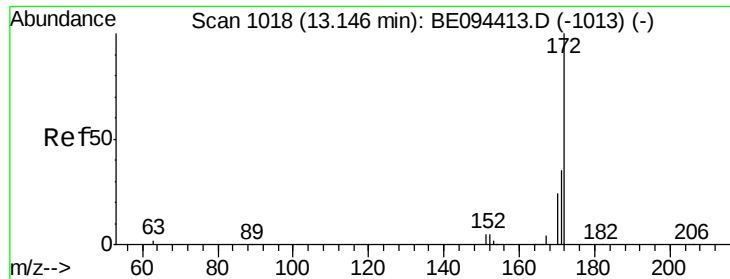


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

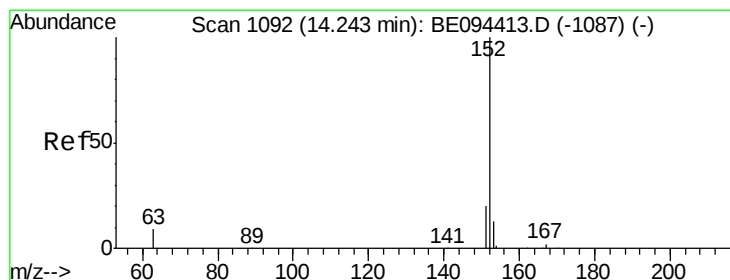
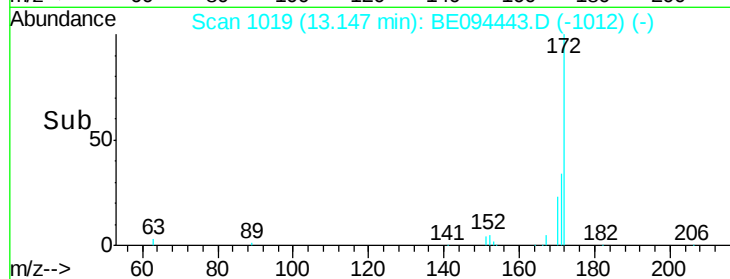
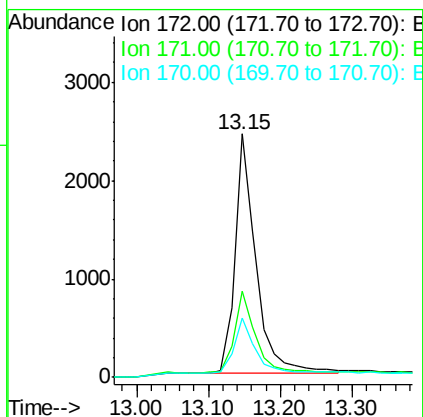
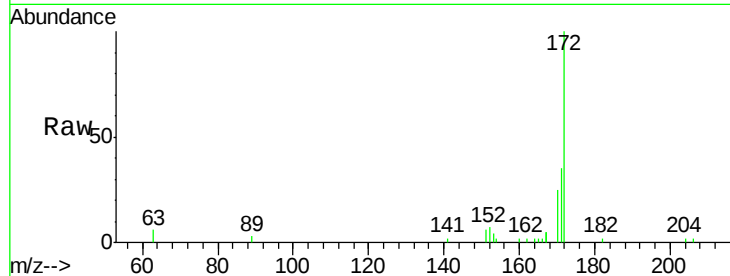




#15
 2-Fluorobiphenyl
 Concen: 0.374 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE094443.D
 Acq: 19 Oct 2017 12:18

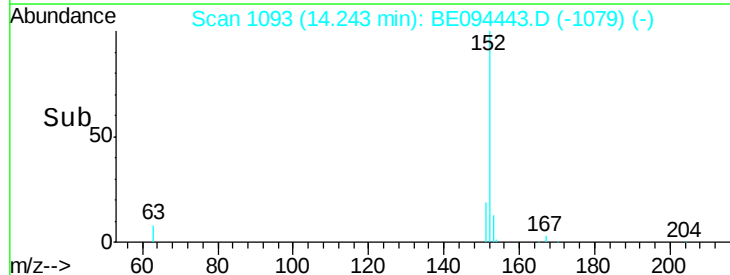
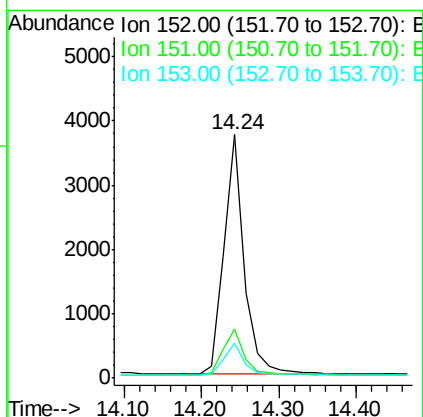
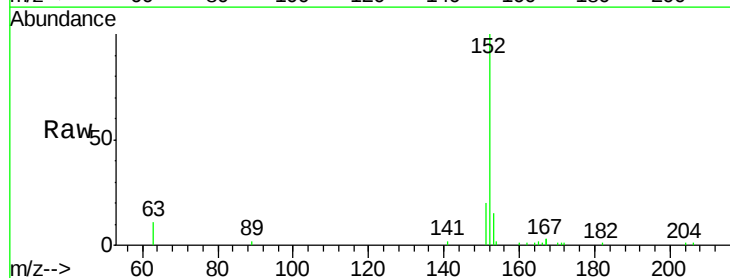
Instrument :
 BNA_E
 ClientSampleId :
 PB103238BSD

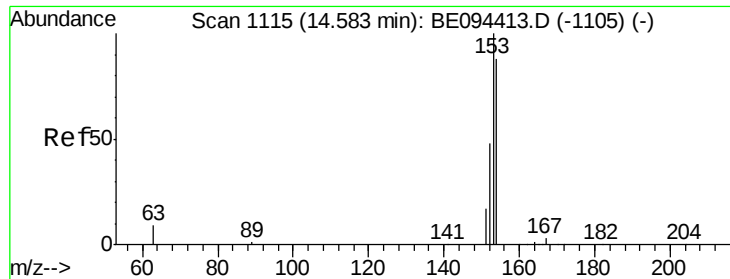
Tgt Ion:172 Resp: 4918
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.9 44.9
 170 24.5 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.339 ng
 RT: 14.24 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: BE094443.D
 Acq: 19 Oct 2017 12:18

Tgt Ion:152 Resp: 6783
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.7 23.5
 153 13.3 10.5 15.7





#17

Acenaphthene

Concen: 0.341 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

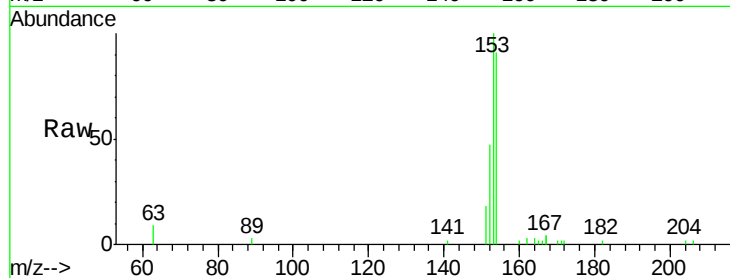
Tgt Ion:154 Resp: 4294

Ion Ratio Lower Upper

154 100

153 113.6 89.2 133.8

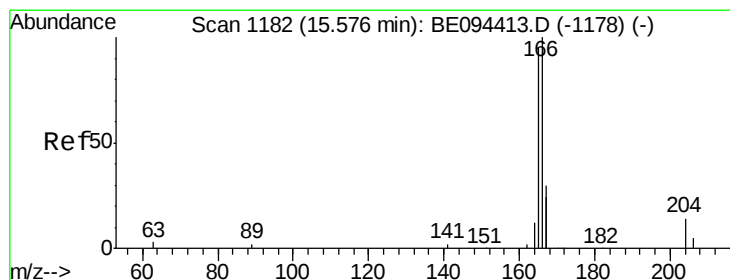
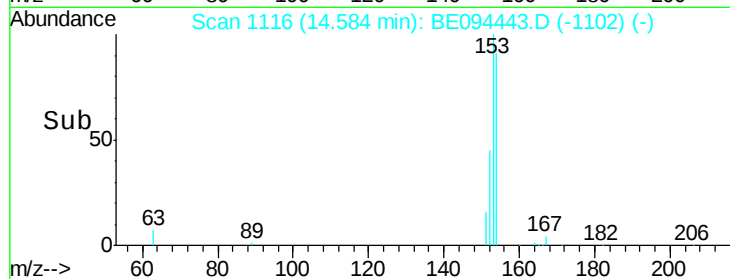
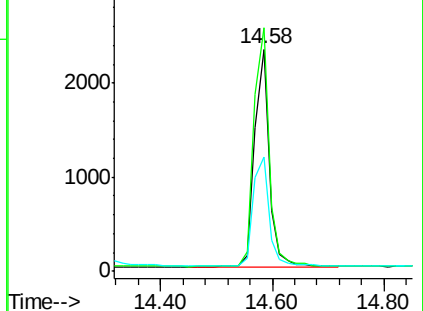
152 54.4 42.0 63.0



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: 0.347 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

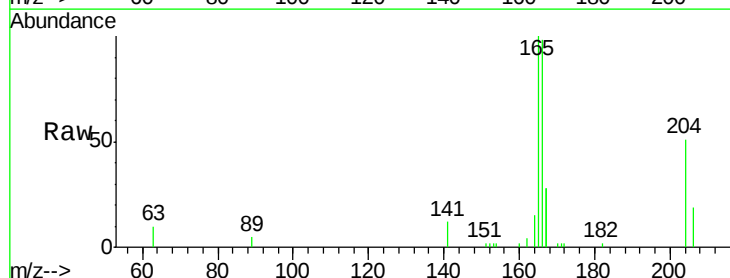
Tgt Ion:166 Resp: 5630

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

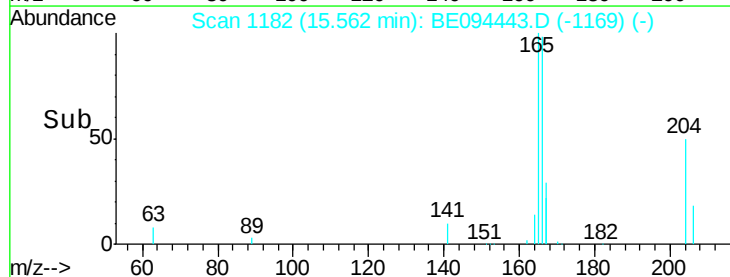
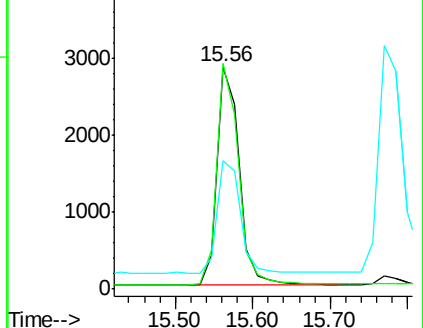
167 54.9 42.4 63.6

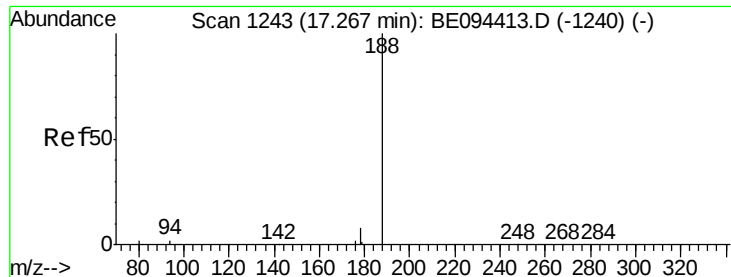


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

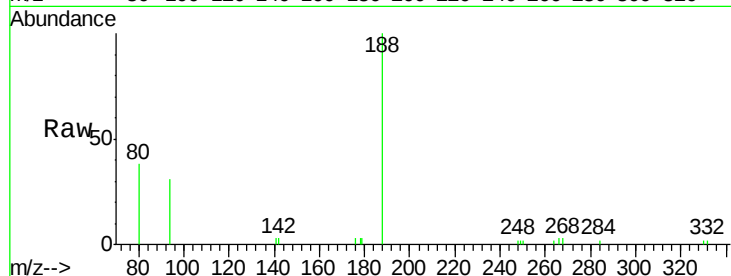
Tgt Ion:188 Resp: 7096

Ion Ratio Lower Upper

188 100

94 31.2 3.9 5.9#

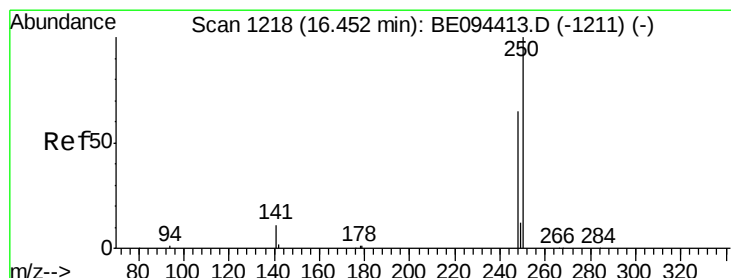
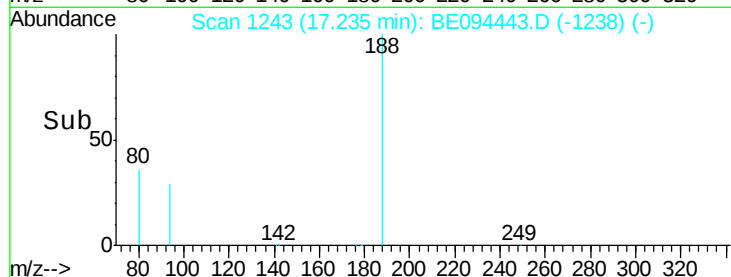
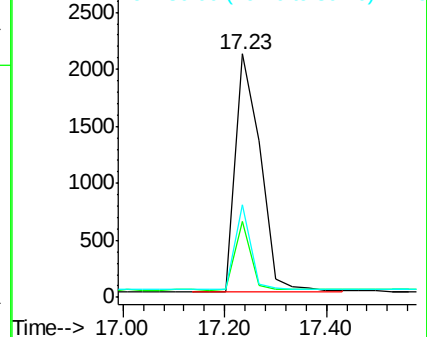
80 38.0 3.6 5.4#



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: 0.359 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

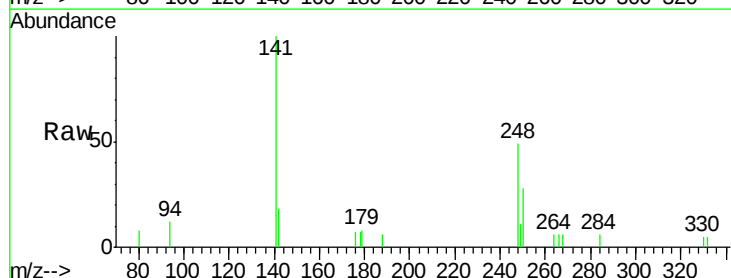
Tgt Ion:248 Resp: 1275

Ion Ratio Lower Upper

248 100

250 58.0 62.7 94.1#

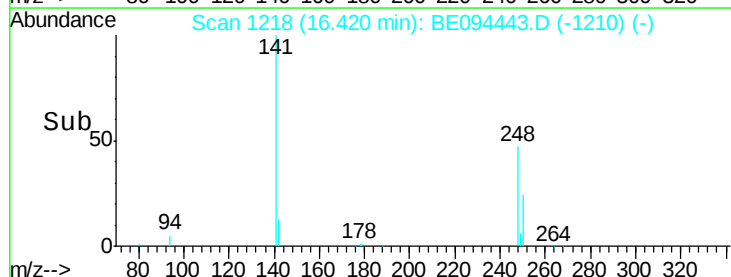
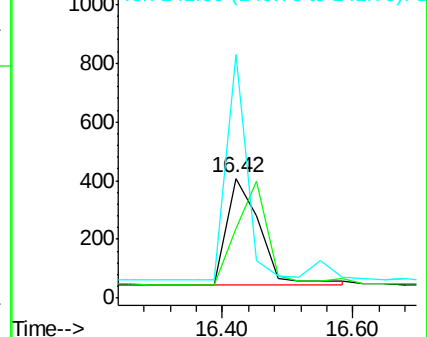
141 203.7 48.2 72.2#



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: 0.248 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

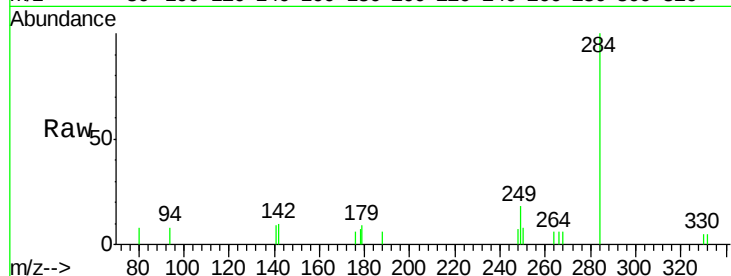
Tgt Ion:284 Resp: 1651

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

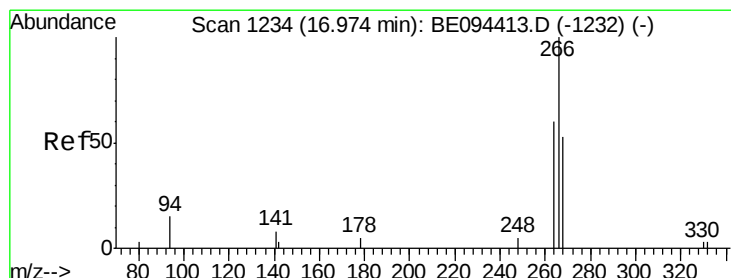
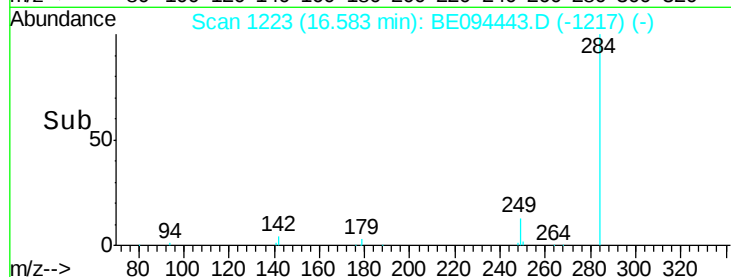
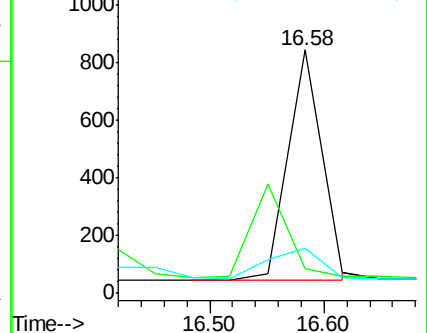
249 21.0 34.8 52.2#



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: 0.570 ng

RT: 17.01 min Scan# 1236

Delta R.T. 0.03 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

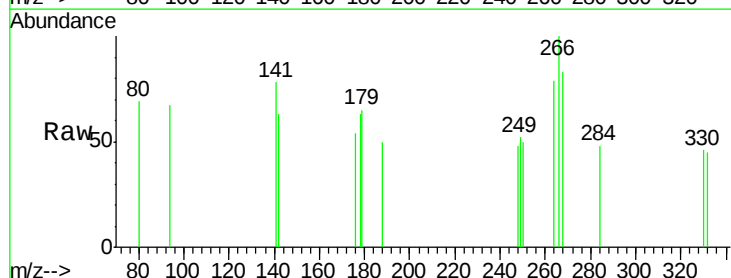
Tgt Ion:266 Resp: 309

Ion Ratio Lower Upper

266 100

264 78.6 72.5 108.7

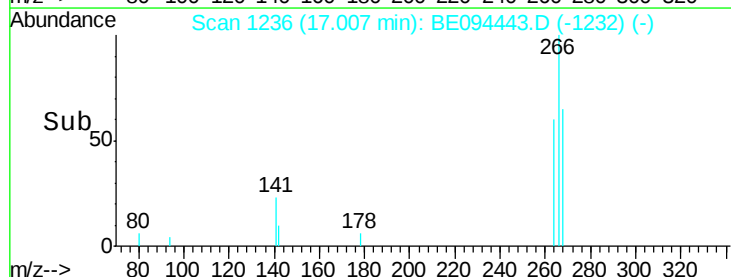
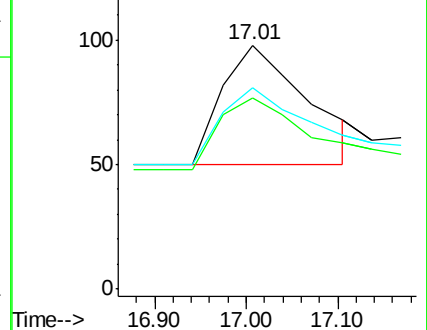
268 82.7 73.8 110.6

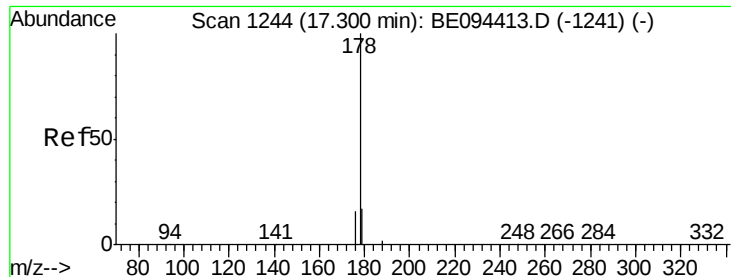


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.259 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

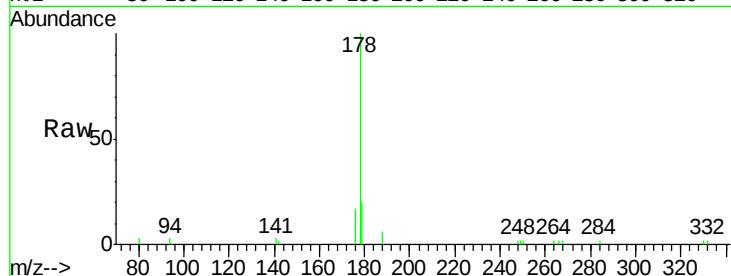
Tgt Ion:178 Resp: 7238

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

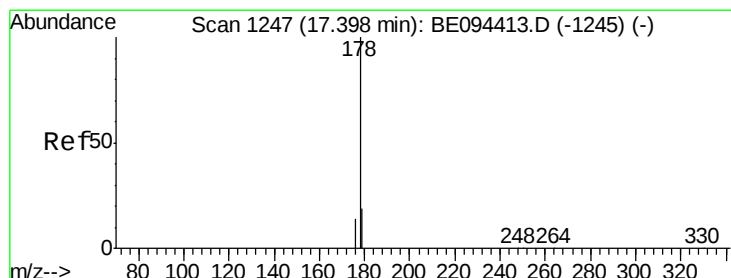
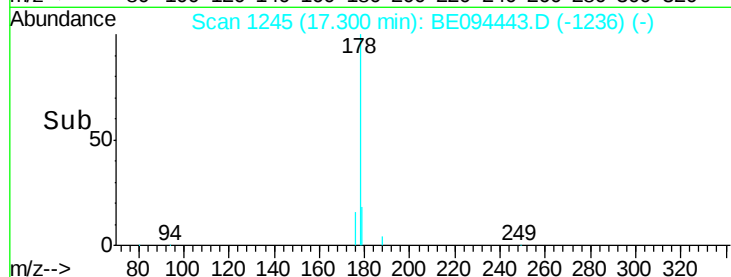
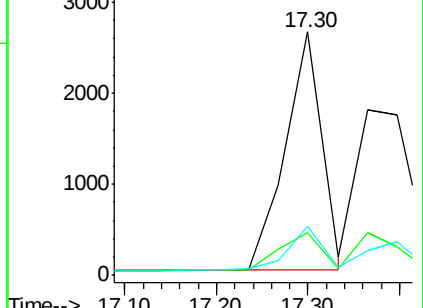
179 22.2 11.8 17.6#



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: 0.335 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

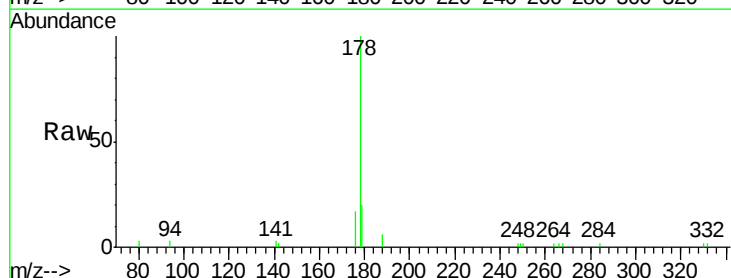
Tgt Ion:178 Resp: 7238

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

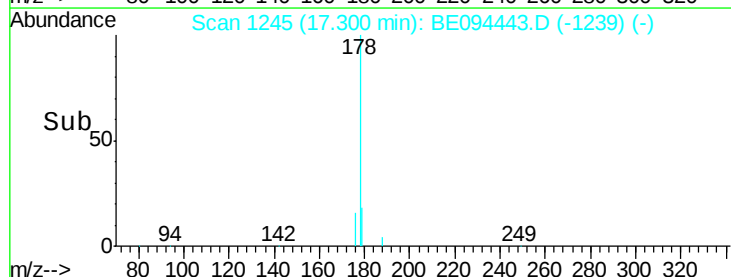
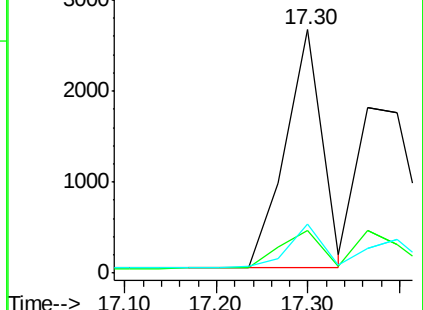
179 22.2 13.0 19.6#

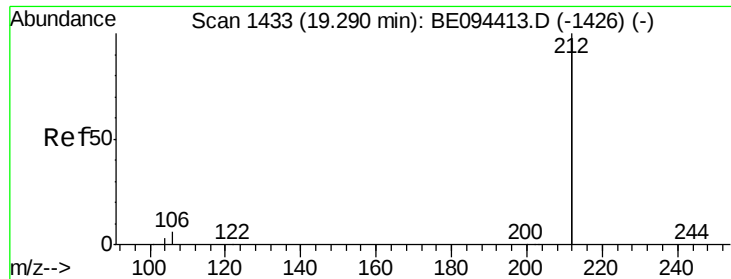


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

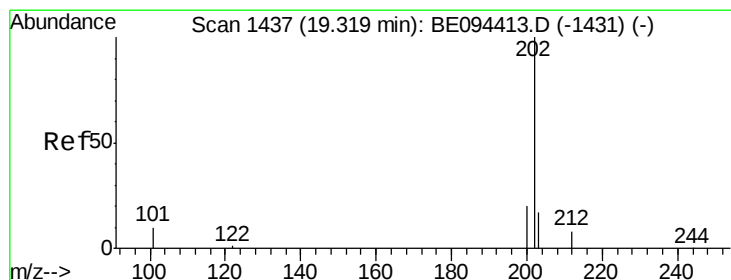
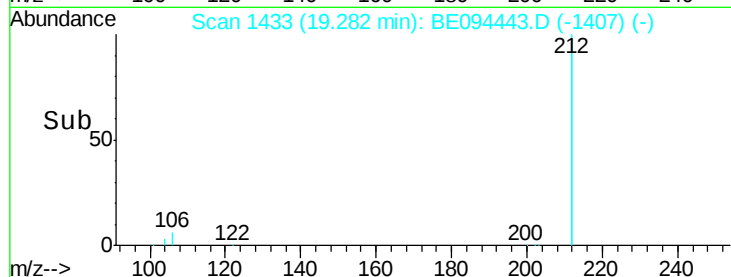
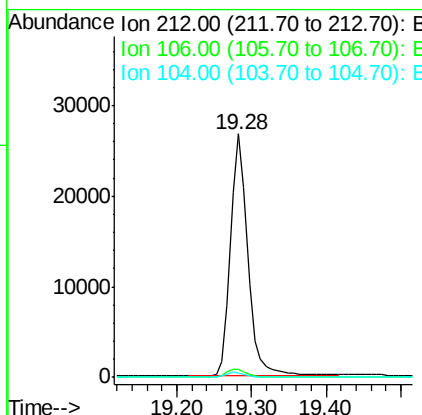
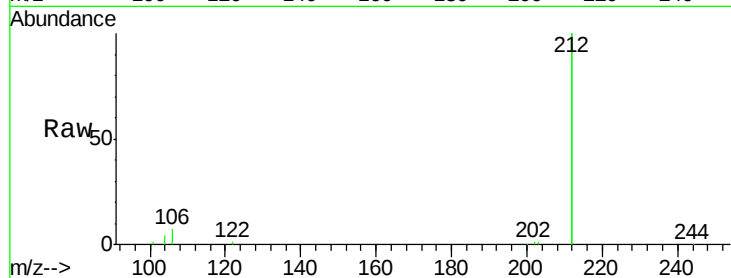




#25
 Fluoranthene-d10
 Concen: 0.375 ng
 RT: 19.28 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BE094443.D
 Acq: 19 Oct 2017 12:18

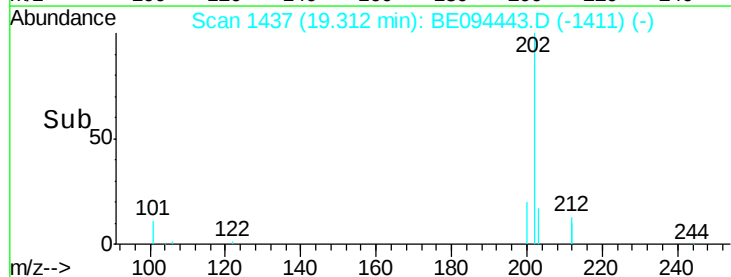
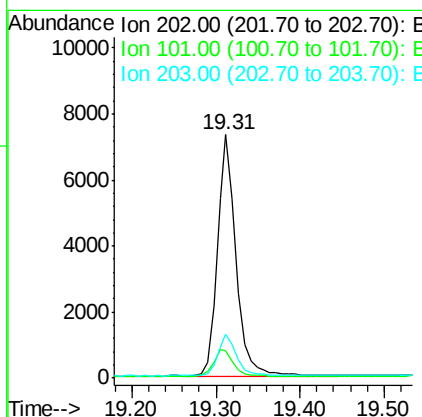
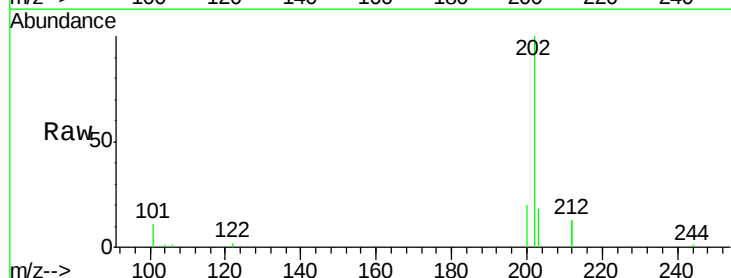
Instrument :
 BNA_E
 ClientSampleId :
 PB103238BSD

Tgt Ion: 212 Resp: 42856
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.8 4.2
 104 1.9 1.6 2.4



#26
 Fluoranthene
 Concen: 0.326 ng
 RT: 19.31 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE094443.D
 Acq: 19 Oct 2017 12:18

Tgt Ion: 202 Resp: 11286
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.8 14.8
 203 17.4 13.7 20.5

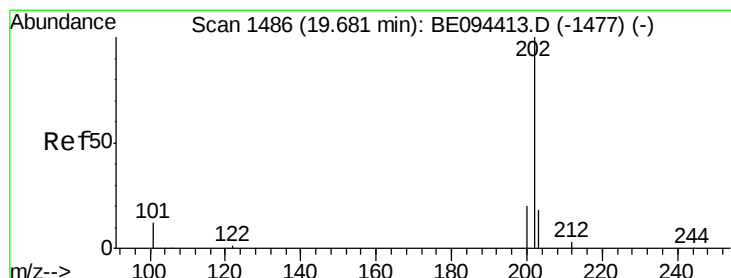
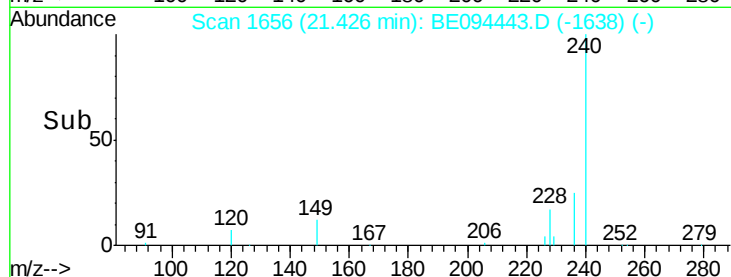
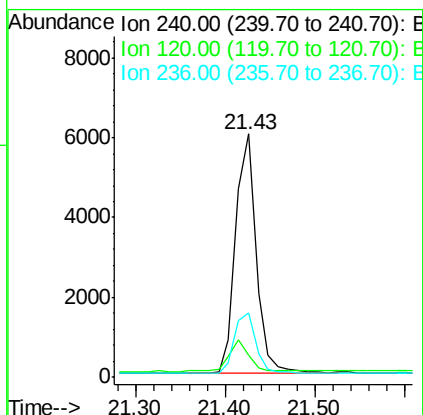
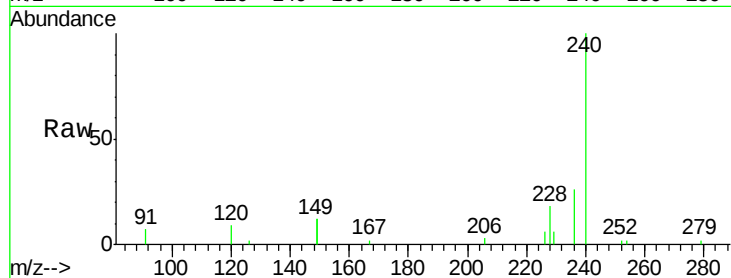




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BE094443.D
 Acq: 19 Oct 2017 12:18

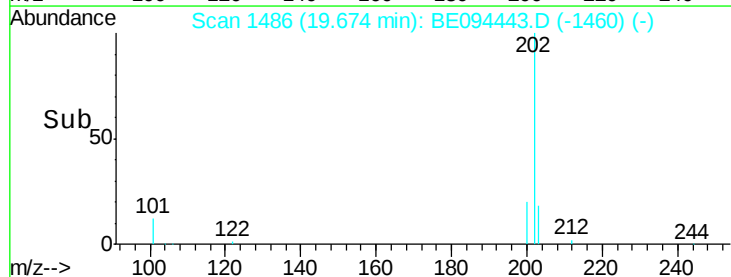
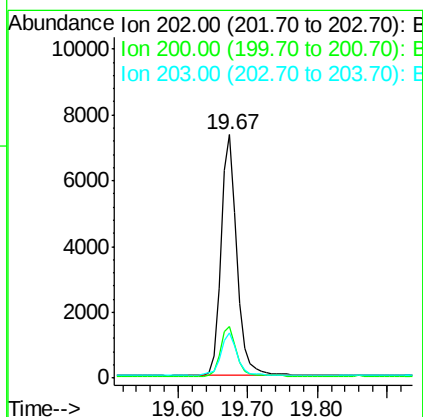
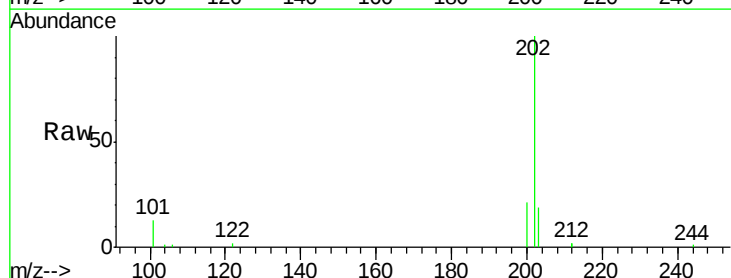
Instrument :
 BNA_E
 ClientSampleId :
 PB103238BSD

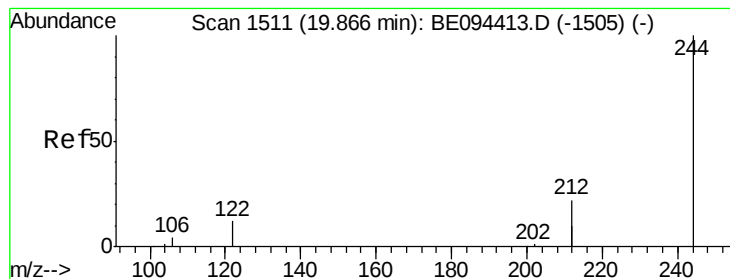
Tgt Ion:240 Resp: 9631
 Ion Ratio Lower Upper
 240 100
 120 8.8 5.5 8.3#
 236 26.4 20.7 31.1



#28
 Pyrene
 Concen: 0.320 ng
 RT: 19.67 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: BE094443.D
 Acq: 19 Oct 2017 12:18

Tgt Ion:202 Resp: 11615
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 18.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.370 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

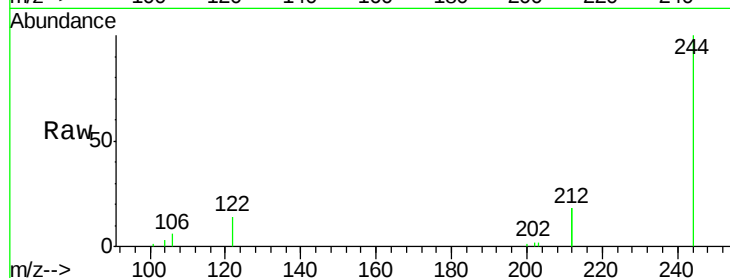
Tgt Ion:244 Resp: 7183

Ion Ratio Lower Upper

244 100

212 37.0 25.4 38.0

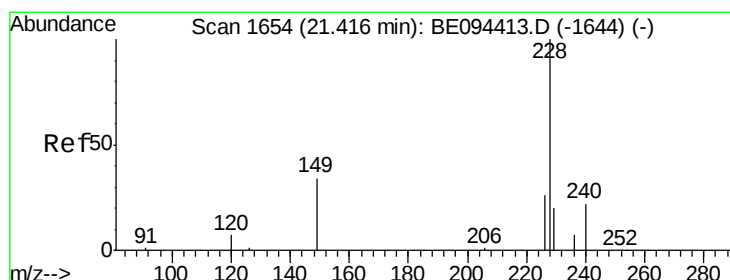
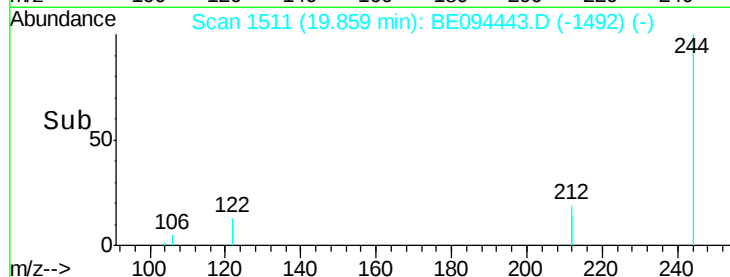
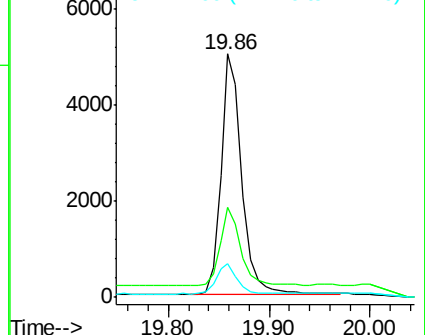
122 14.0 8.1 12.1#



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: 0.343 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

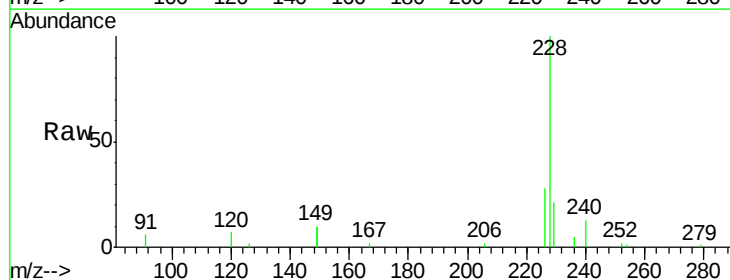
Tgt Ion:228 Resp: 11433

Ion Ratio Lower Upper

228 100

226 27.6 40.0 60.0#

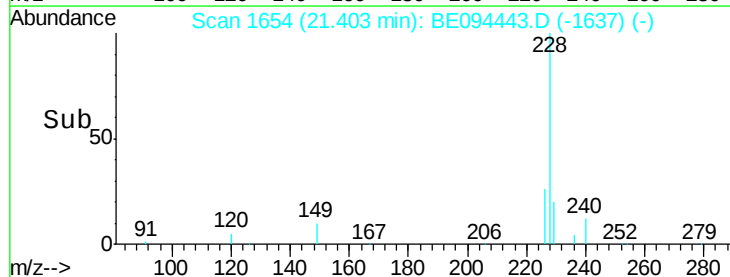
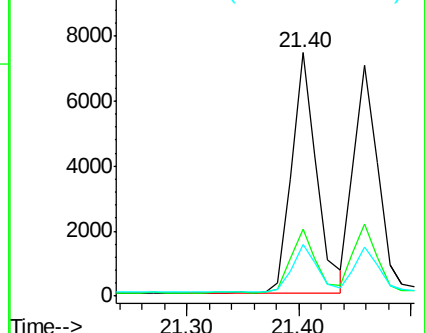
229 21.1 40.0 60.0#

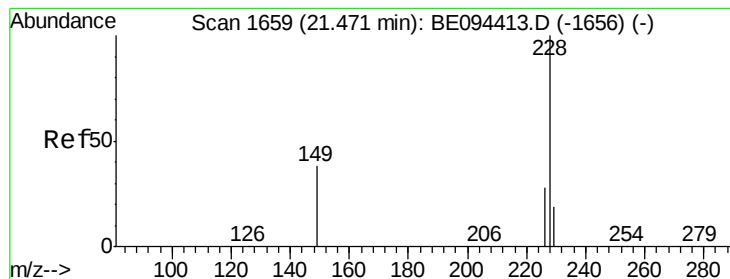


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.335 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

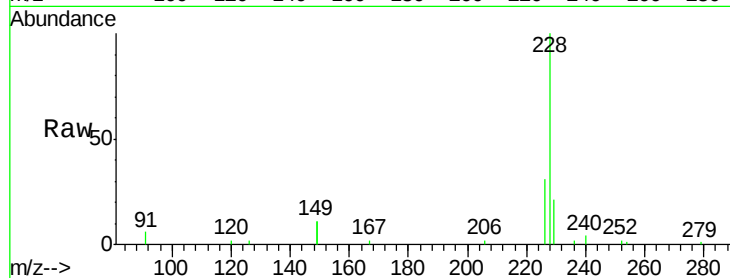
Tgt Ion: 228 Resp: 10739

Ion Ratio Lower Upper

228 100

226 31.5 40.0 60.0#

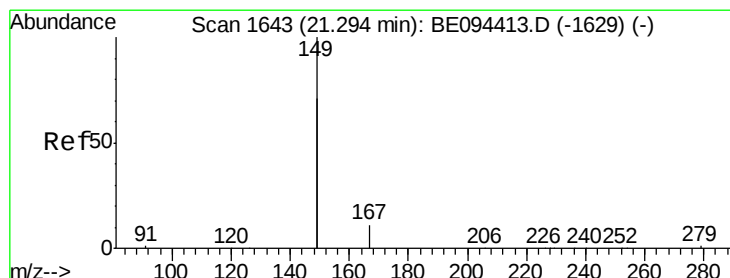
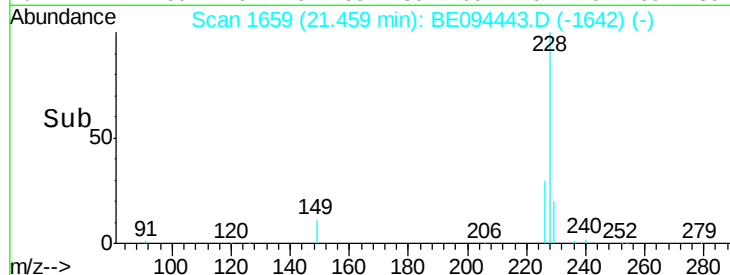
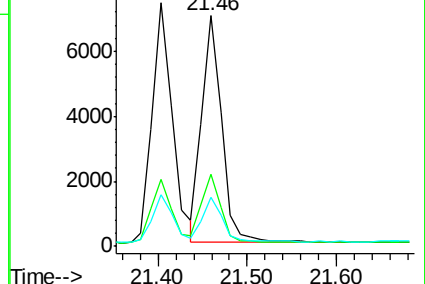
229 21.1 40.0 60.0#



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: 0.314 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

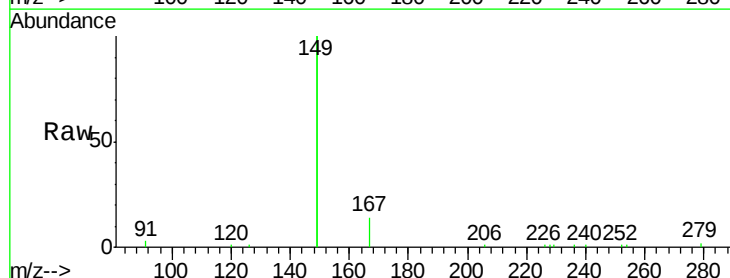
Tgt Ion: 149 Resp: 30167

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

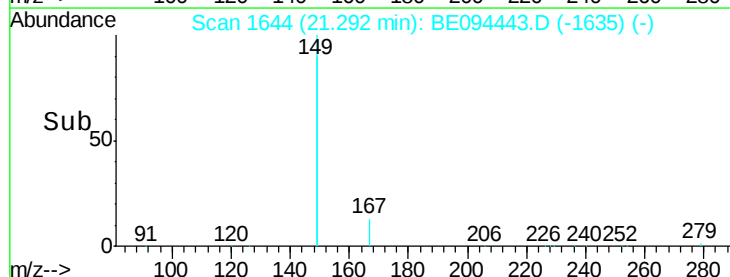
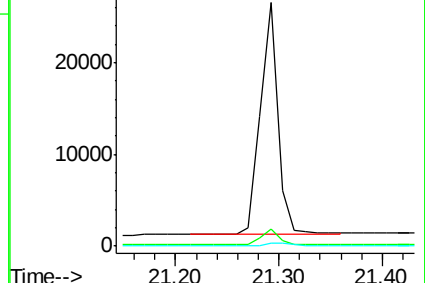
279 0.9 0.7 1.1



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: 0.358 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

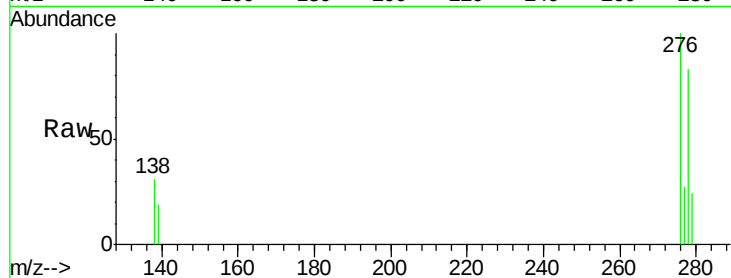
Tgt Ion:276 Resp: 11560

Ion Ratio Lower Upper

276 100

138 27.7 22.5 33.7

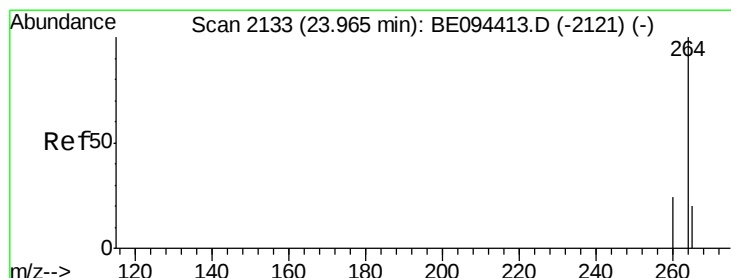
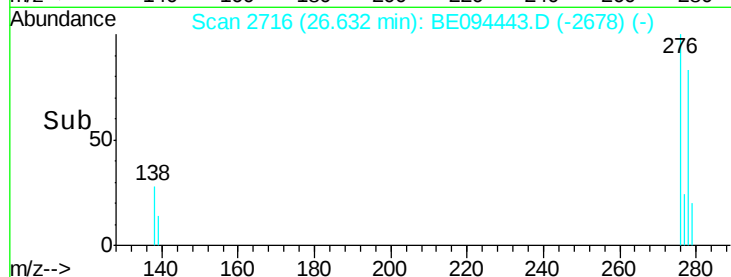
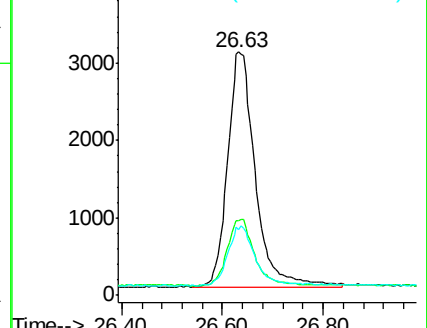
277 24.4 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

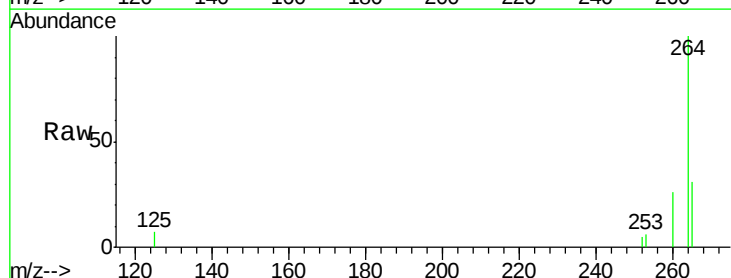
Tgt Ion:264 Resp: 9292

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

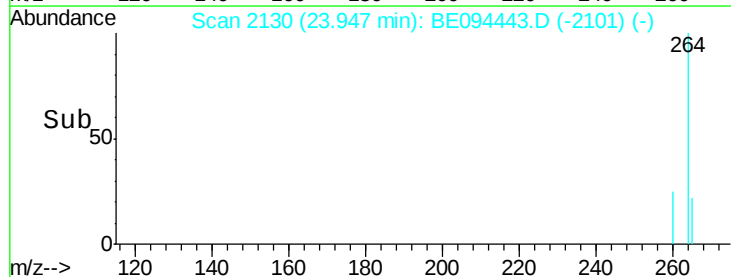
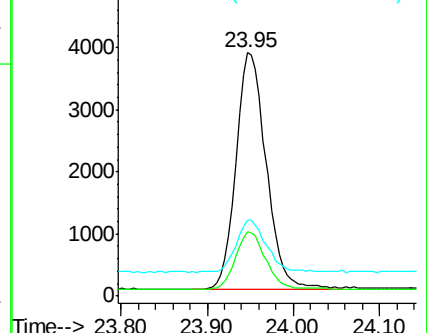
265 31.1 22.8 34.2

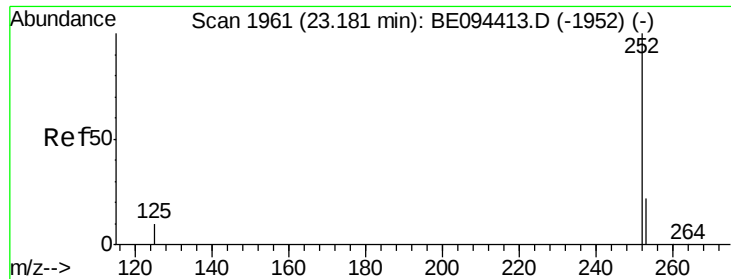


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

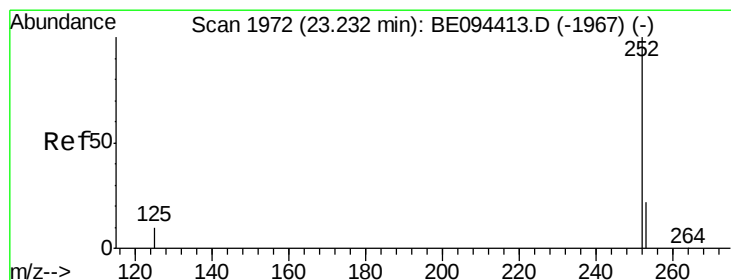
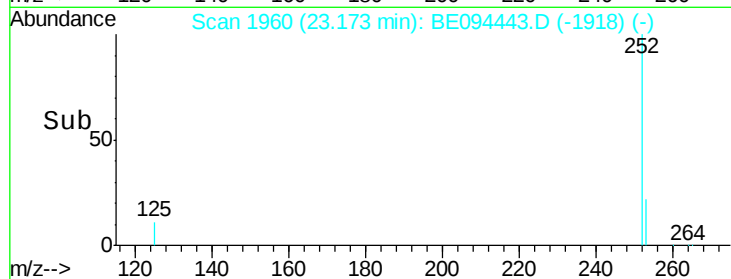
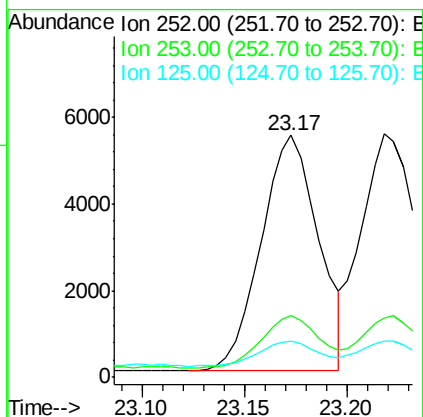
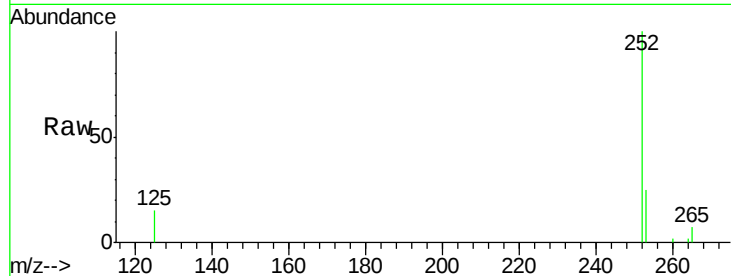




#35
Benzo(b)fluoranthene
Concen: 0.336 ng
RT: 23.17 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BE094443.D
Acq: 19 Oct 2017 12:18

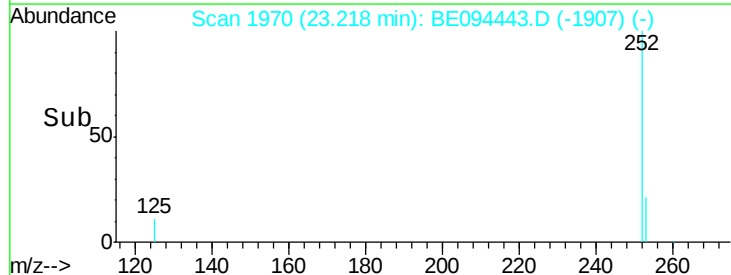
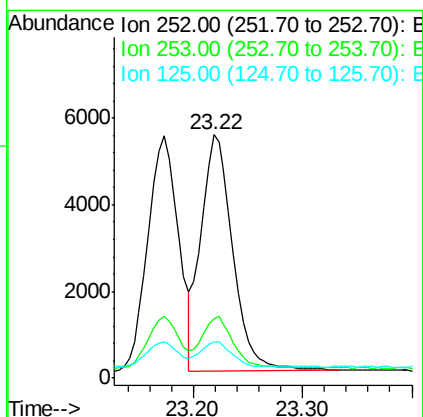
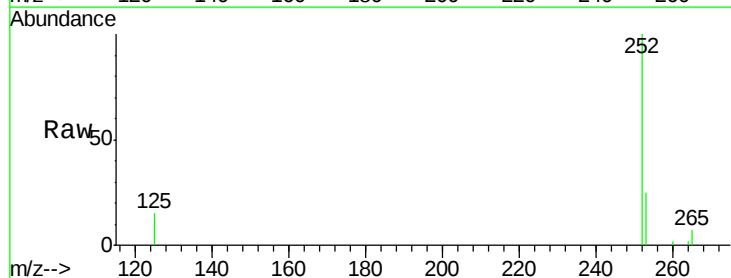
Instrument :
BNA_E
ClientSampleId :
PB103238BSD

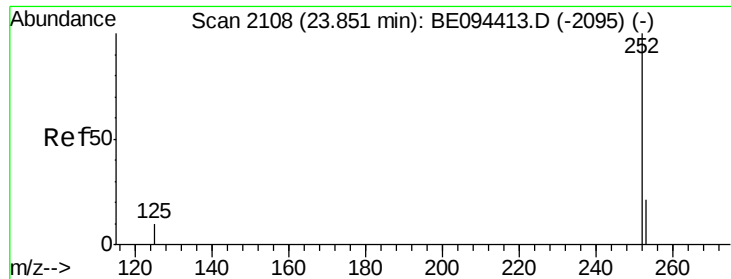
Tgt Ion:252 Resp: 10580
Ion Ratio Lower Upper
252 100
253 25.3 48.0 72.0#
125 14.9 56.0 84.0#



#36
Benzo(k)fluoranthene
Concen: 0.355 ng
RT: 23.22 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BE094443.D
Acq: 19 Oct 2017 12:18

Tgt Ion:252 Resp: 11016
Ion Ratio Lower Upper
252 100
253 24.6 48.0 72.0#
125 14.9 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.342 ng

RT: 23.84 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD

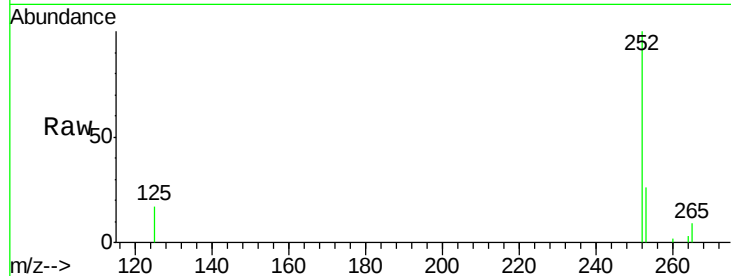
Tgt Ion:252 Resp: 10120

Ion Ratio Lower Upper

252 100

253 26.0 52.0 78.0#

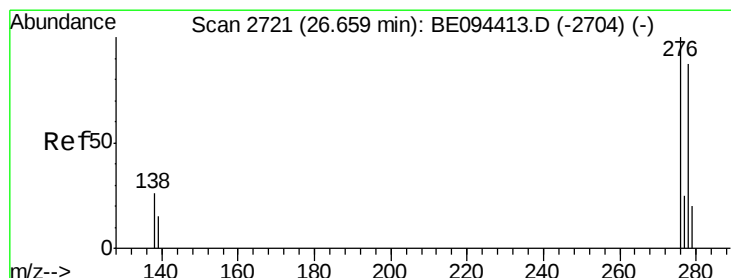
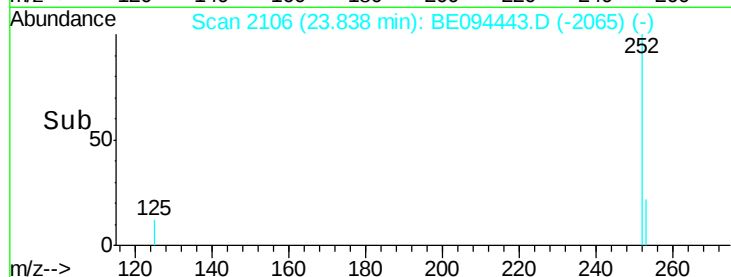
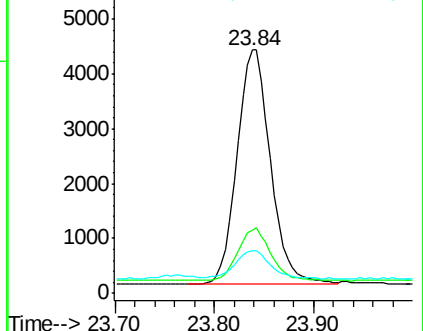
125 17.4 68.0 102.0#



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: 0.342 ng

RT: 26.64 min Scan# 2718

Delta R.T. -0.02 min

Lab File: BE094443.D

Acq: 19 Oct 2017 12:18

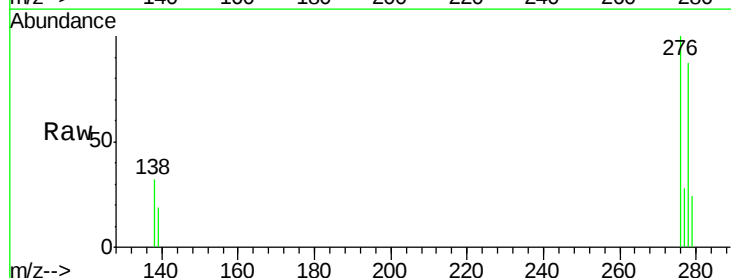
Tgt Ion:278 Resp: 9597

Ion Ratio Lower Upper

278 100

139 22.4 56.0 84.0#

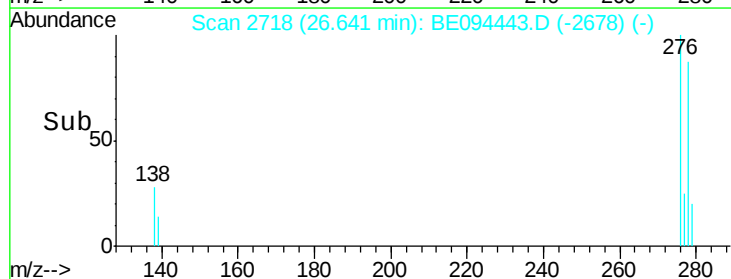
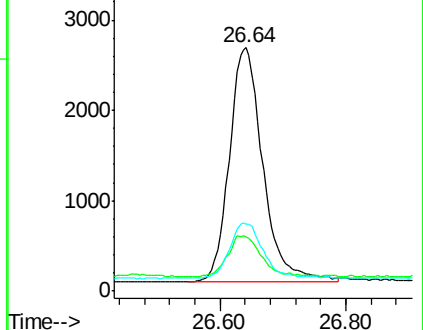
279 27.4 52.0 78.0#

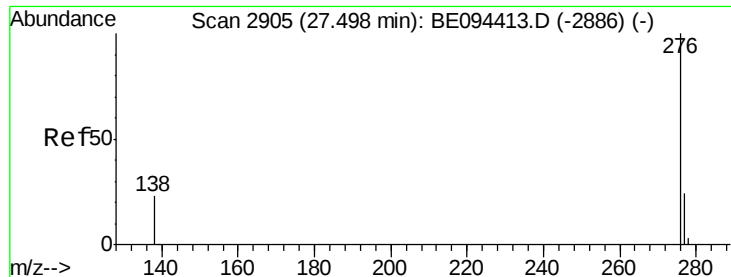


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.349 ng

RT: 27.48 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BE094443.D

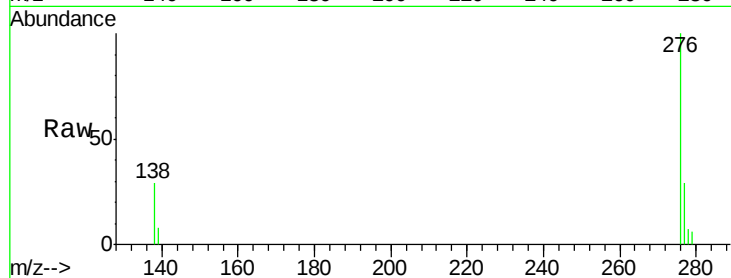
Acq: 19 Oct 2017 12:18

Instrument :

BNA_E

ClientSampleId :

PB103238BSD



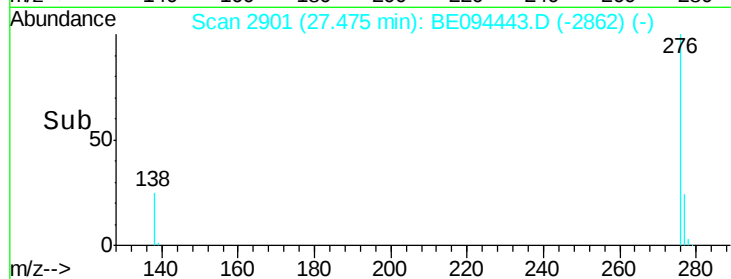
Tgt Ion: 276 Resp: 9421

Ion Ratio Lower Upper

276 100

277 28.8 52.0 78.0#

138 28.9 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

