

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094952.D
 Acq On : 8 Dec 2017 17:12
 Operator : SJ/JU
 Sample : PB104842BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104842BSD

Quant Time: Dec 09 00:26:26 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	8.47	152	8478	0.40	ng	-0.01
7) Naphthalene-d8	11.33	136	17910	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	8795	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	19696	0.40	ng	0.00
27) Chrysene-d12	21.89	240	20682	0.40	ng	0.00
34) Perylene-d12	24.56	264	16607	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.96	112	4559	0.34	ng	0.00
5) Phenol-d6	7.59	99	6393	0.32	ng	0.00
8) Nitrobenzene-d5	9.66	82	5239	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	9931	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	573	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	15029	0.40	ng	0.00
25) Fluoranthene-d10	19.76	212	85282	0.32	ng	0.00
29) Terphenyl-d14	20.33	244	16196	0.42	ng	0.00

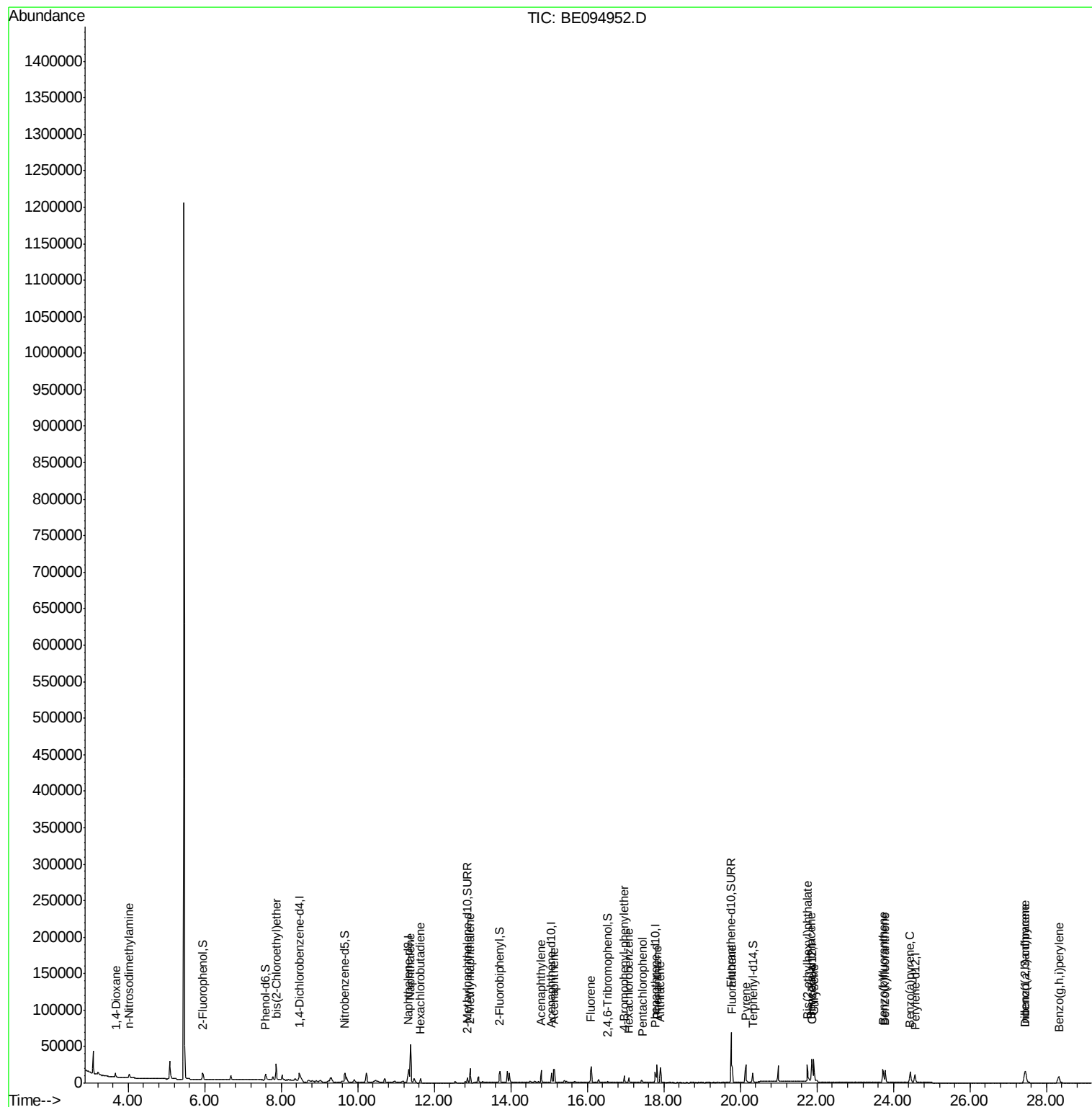
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.68	88	3204	0.361	ng	# 69
3) n-Nitrosodimethylamine	4.02	42	4124	0.365	ng	# 83
6) bis(2-Chloroethyl)ether	7.87	93	7222	0.366	ng	97
9) Naphthalene	11.38	128	81211	0.387	ng	99
10) Hexachlorobutadiene	11.64	225	3616	0.408	ng	98
12) 2-Methylnaphthalene	12.94	142	19795	0.379	ng	97
16) Acenaphthylene	14.80	152	17385	0.350	ng	99
17) Acenaphthene	15.14	154	11754	0.366	ng	96
18) Fluorene	16.10	166	14902	0.365	ng	# 79
20) 4-Bromophenyl-phenylether	16.97	248	4529	0.412	ng	# 78
21) Hexachlorobenzene	17.09	284	4404	0.411	ng	# 81
22) Pentachlorophenol	17.43	266	1648	0.598	ng	# 71
23) Phenanthrene	17.82	178	24192	0.385	ng	98
24) Anthracene	17.91	178	24533	0.369	ng	# 94
26) Fluoranthene	19.79	202	28206	0.350	ng	99
28) Pyrene	20.14	202	28201	0.395	ng	99
30) Benzo(a)anthracene	21.85	228	25502	0.402	ng	# 63
31) Chrysene	21.92	228	29049	0.415	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.75	149	30854	0.294	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	25508	0.445	ng	99
35) Benzo(b)fluoranthene	23.73	252	25145	0.415	ng	# 40
36) Benzo(k)fluoranthene	23.78	252	24500	0.396	ng	# 40
37) Benzo(a)pyrene	24.44	252	22927	0.431	ng	# 34
38) Dibenzo(a,h)anthracene	27.46	278	21347	0.435	ng	# 44
39) Benzo(g,h,i)perylene	28.32	276	22155	0.452	ng	# 53

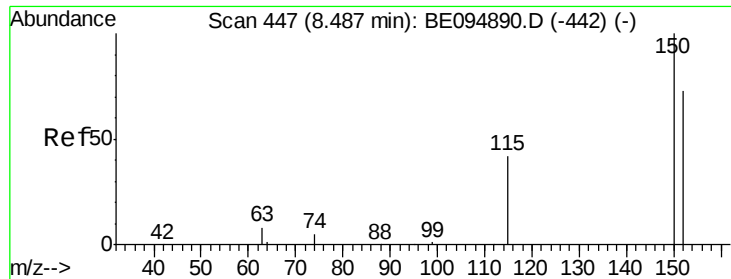
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

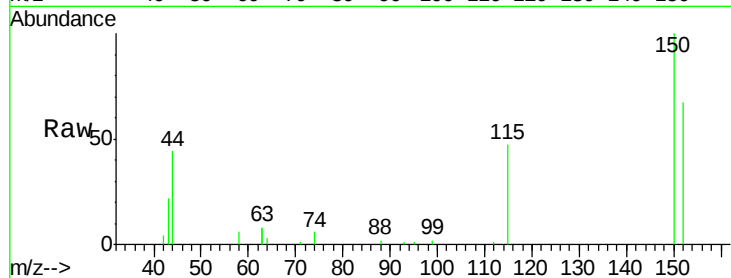
Tot Ion:152 Resp: 8478

Ion Ratio Lower Upper

152 100

150 149.7 117.2 175.8

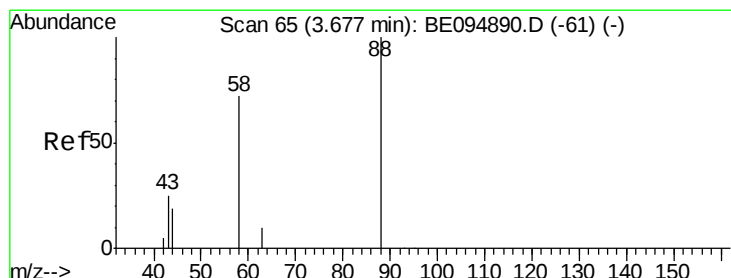
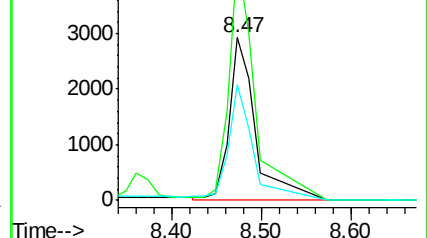
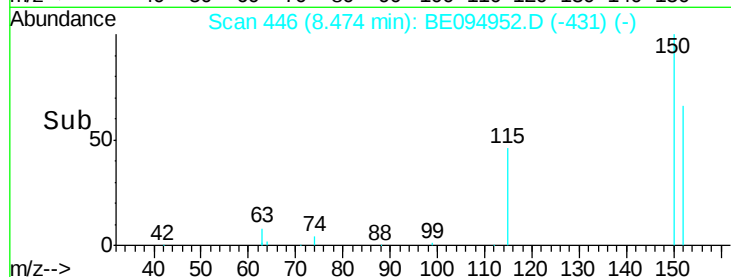
115 70.9 57.0 85.6



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: 0.361 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

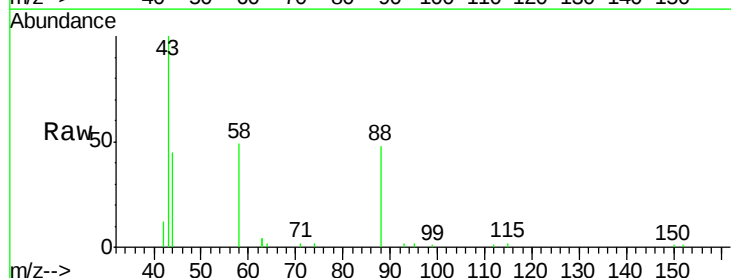
Tgt Ion: 88 Resp: 3204

Ion Ratio Lower Upper

88 100

58 109.0 63.2 94.8#

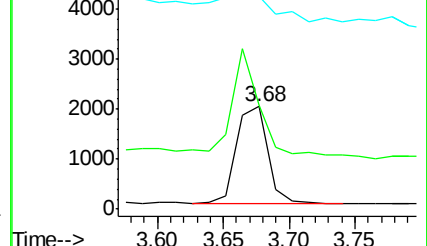
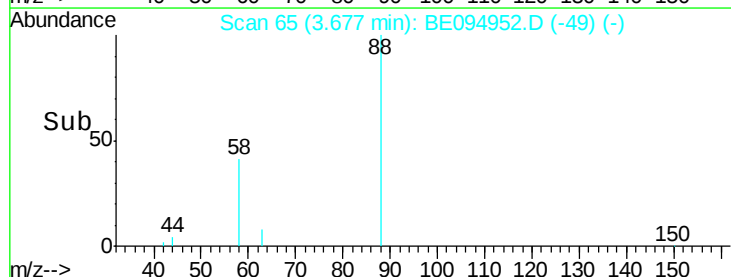
43 69.6 41.2 61.8#

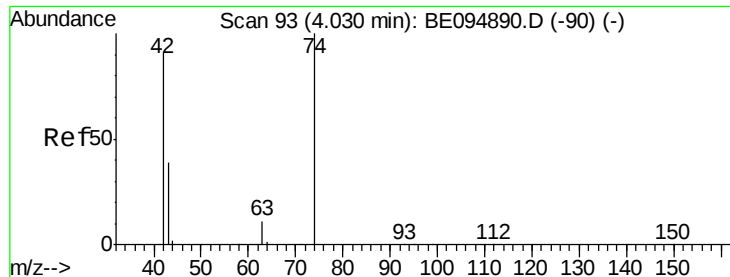


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.365 ng

RT: 4.02 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

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ClientSampleId :

PB104842BSD

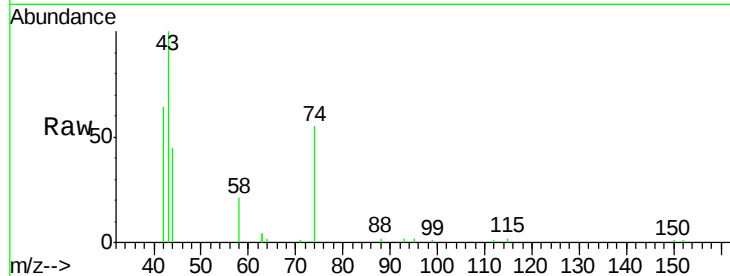
Tot Ion: 42 Resp: 4124

Ion Ratio Lower Upper

42 100

74 107.0 100.3 150.5

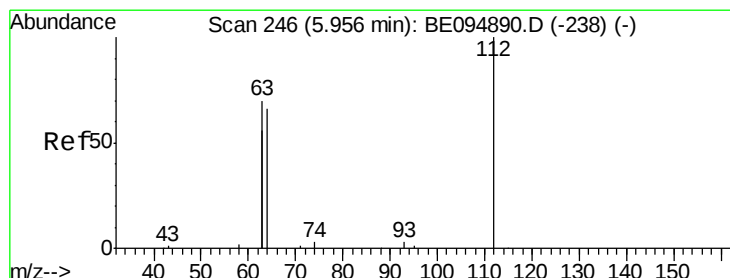
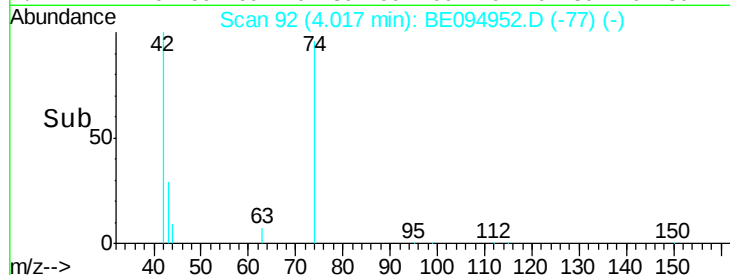
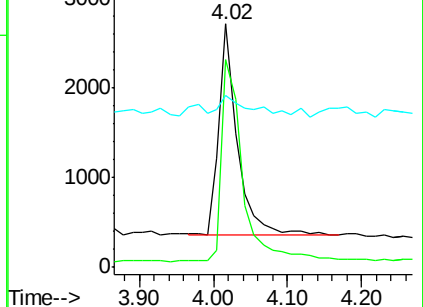
44 11.2 17.0 25.4#



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: 0.340 ng

RT: 5.96 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

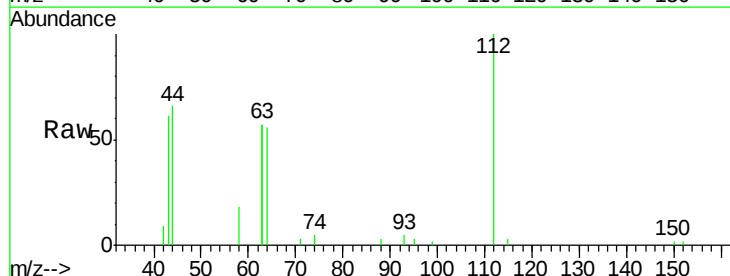
Tgt Ion: 112 Resp: 4559

Ion Ratio Lower Upper

112 100

64 74.5 60.1 90.1

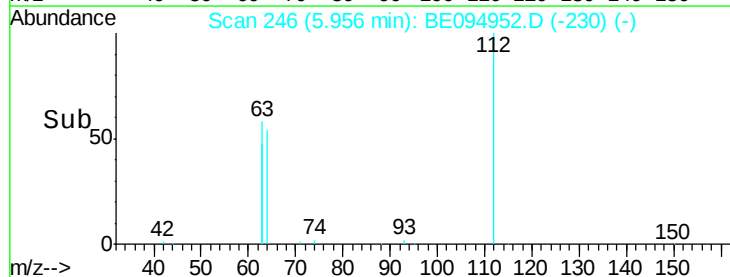
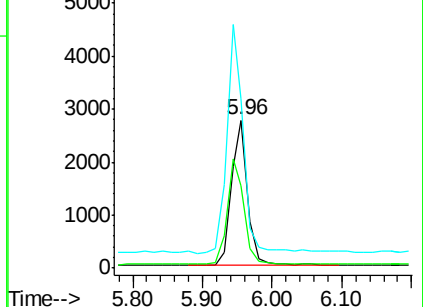
63 159.1 116.8 175.2

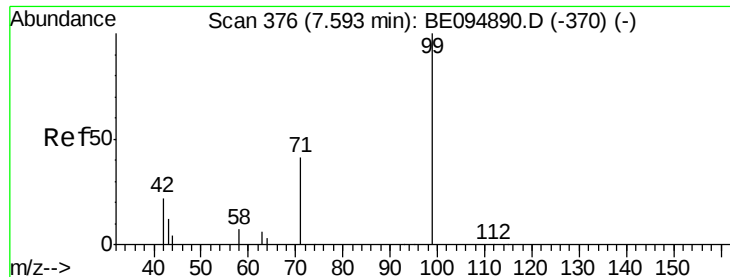


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.322 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

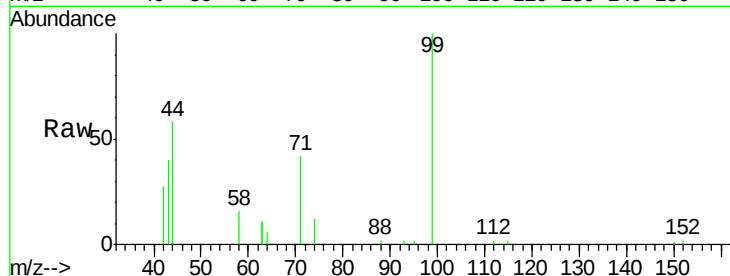
Tot Ion: 99 Resp: 6393

Ion Ratio Lower Upper

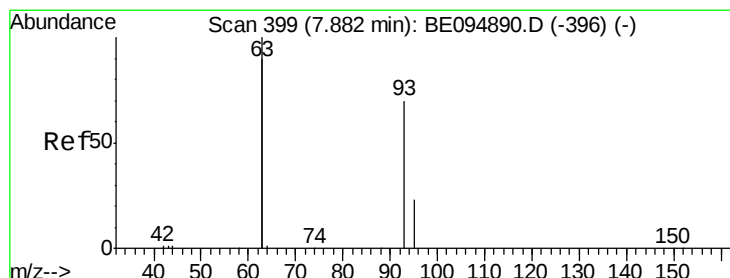
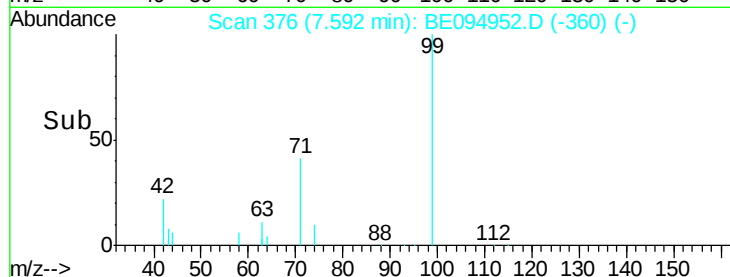
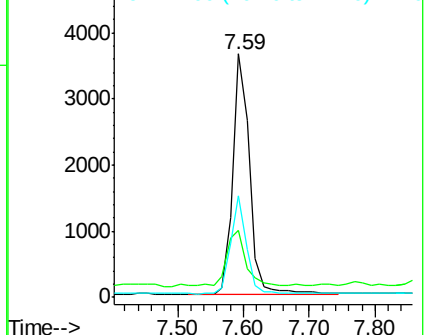
99 100

42 28.0 20.2 30.2

71 37.9 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: 0.366 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

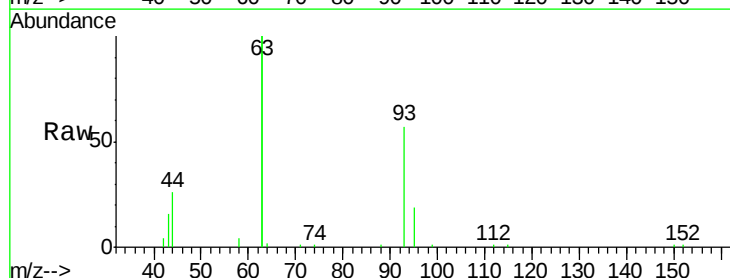
Tgt Ion: 93 Resp: 7222

Ion Ratio Lower Upper

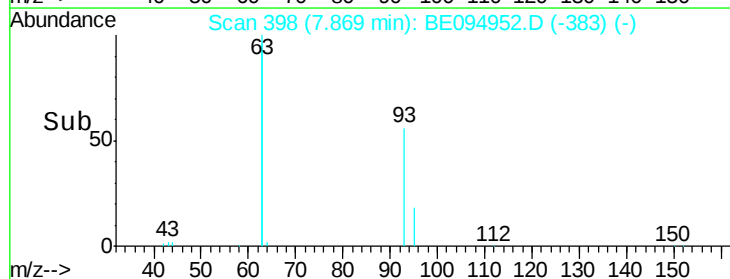
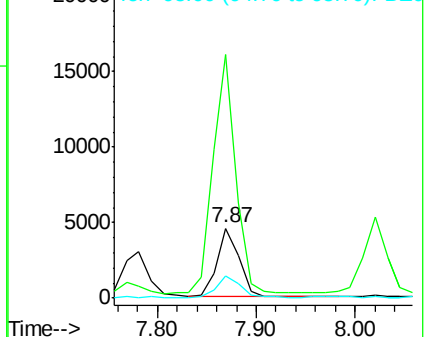
93 100

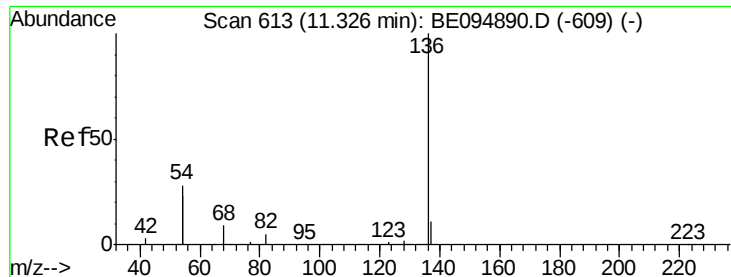
63 351.7 275.3 412.9

95 31.5 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: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

Tot Ion:136 Resp: 17910

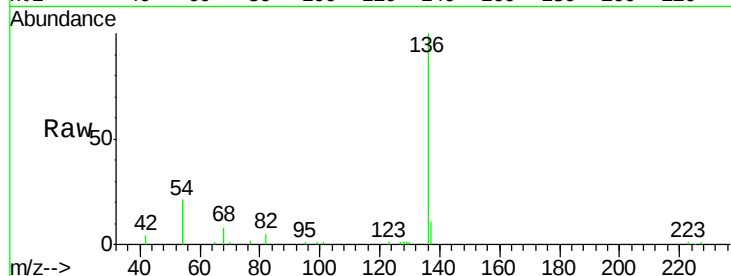
Ion Ratio Lower Upper

136 100

137 10.7 9.5 14.3

54 41.1 29.1 43.7

68 8.0 6.2 9.2

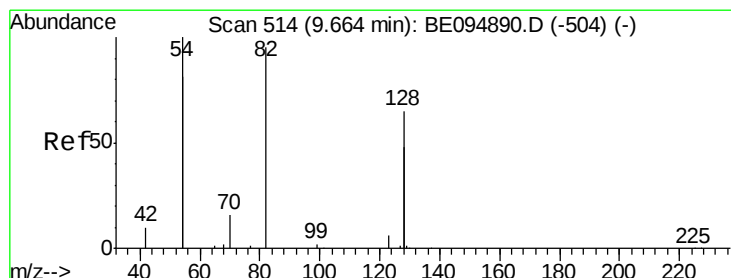
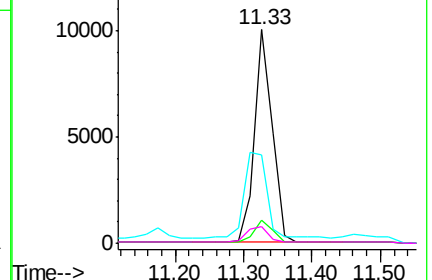
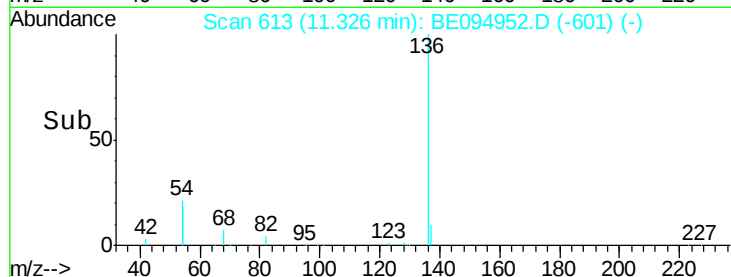


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.494 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

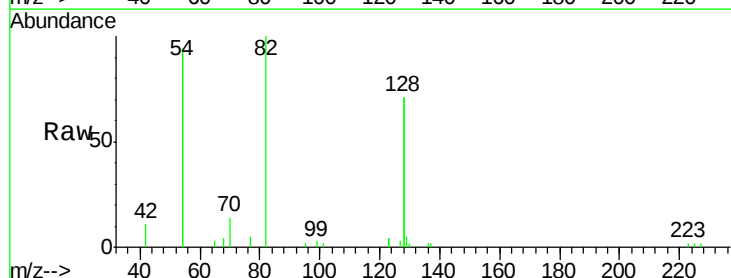
Tgt Ion: 82 Resp: 5239

Ion Ratio Lower Upper

82 100

128 142.7 150.0 225.0#

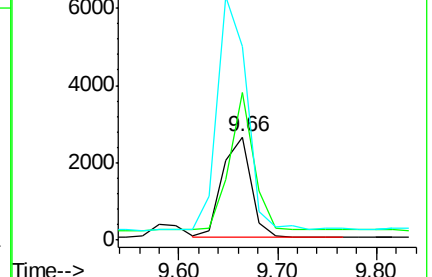
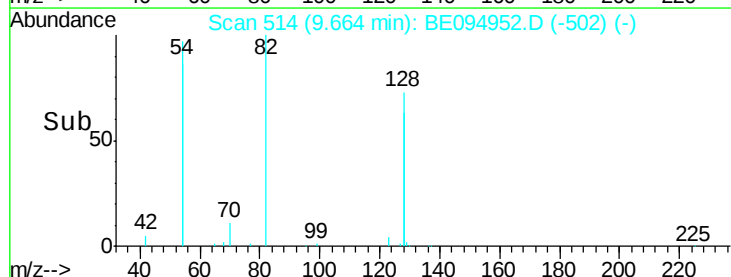
54 188.6 154.2 231.4

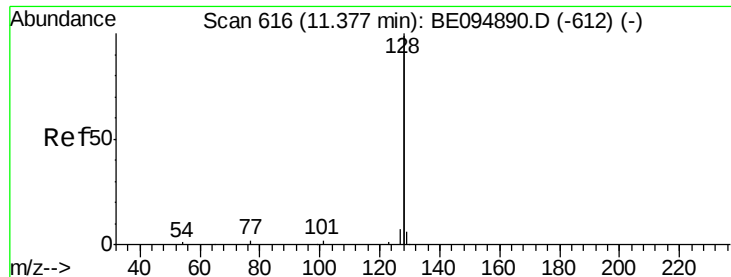


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.387 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

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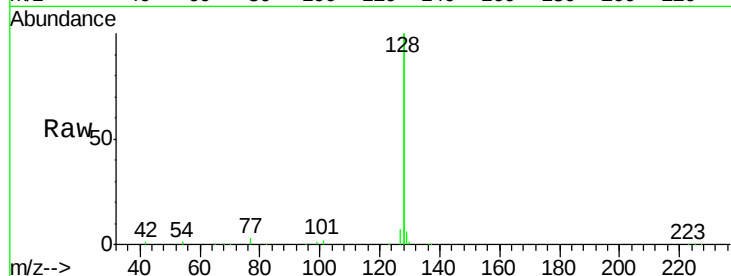
Tot Ion:128 Resp: 81211

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

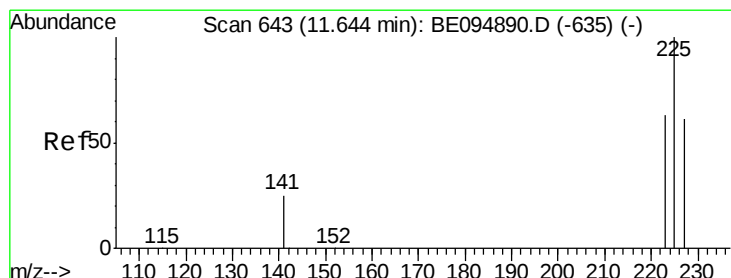
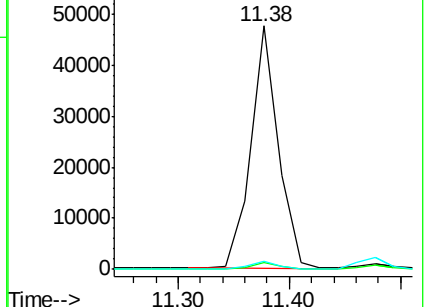
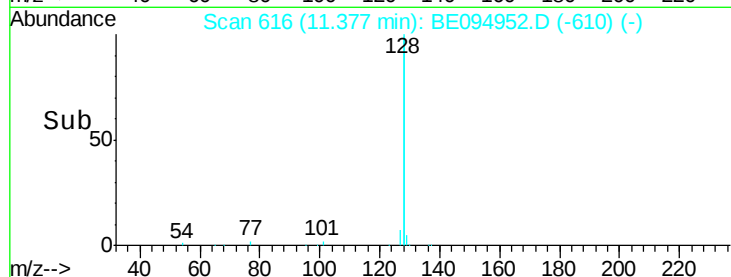
127 3.4 2.8 4.2



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: 0.408 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

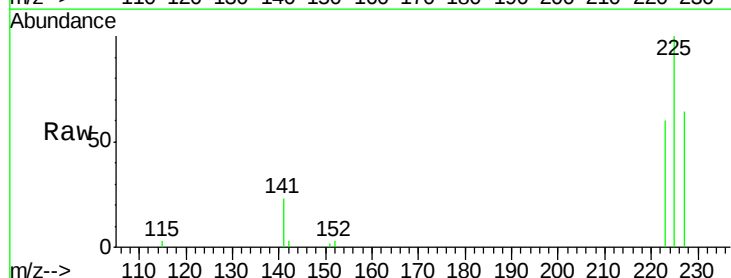
Tgt Ion:225 Resp: 3616

Ion Ratio Lower Upper

225 100

223 62.8 53.0 79.6

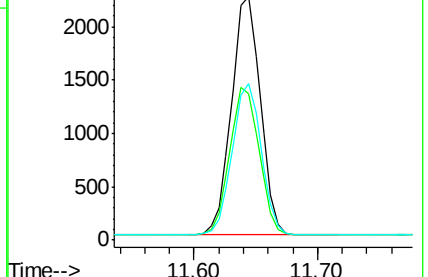
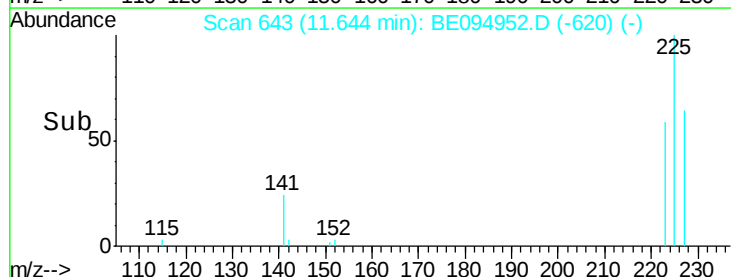
227 64.4 51.4 77.2

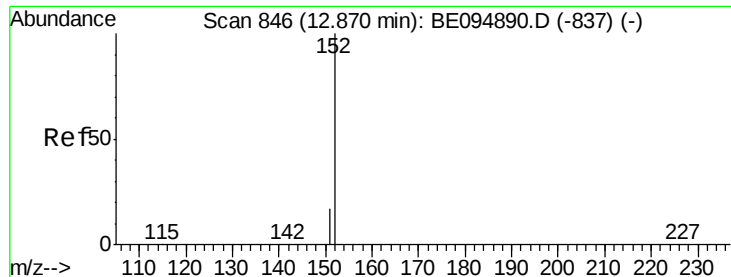


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

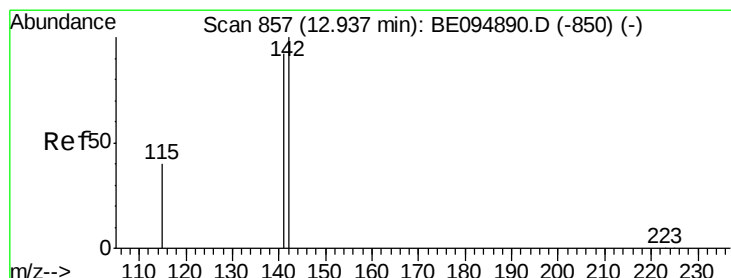
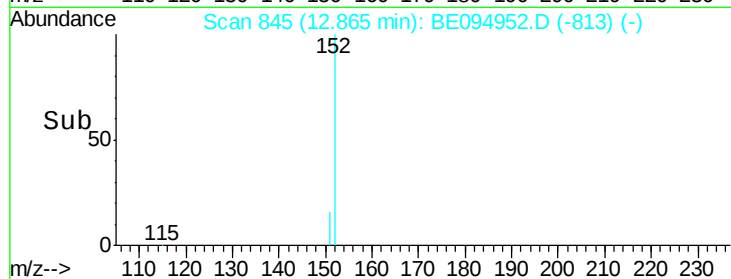
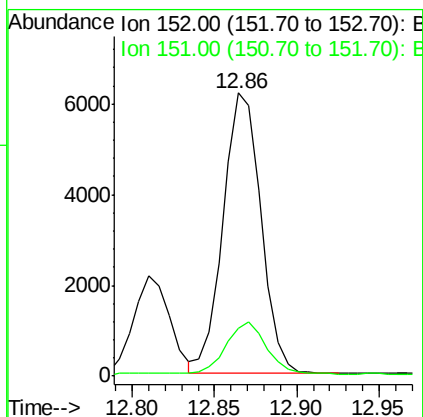
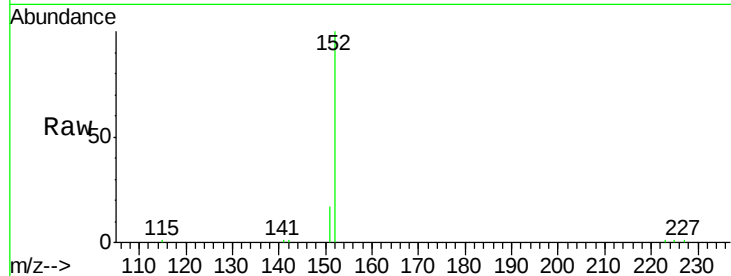




#11
 2-Methylnaphthalene-d10
 Concen: 0.347 ng
 RT: 12.86 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BE094952.D
 Acq: 8 Dec 2017 17:12

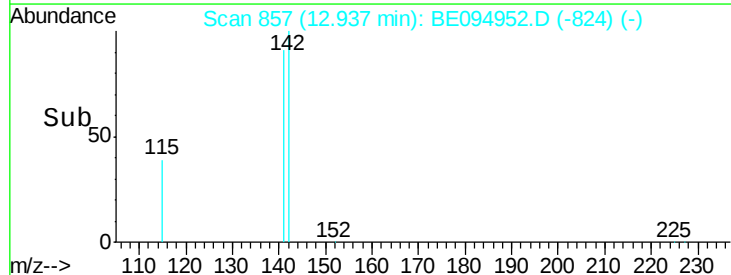
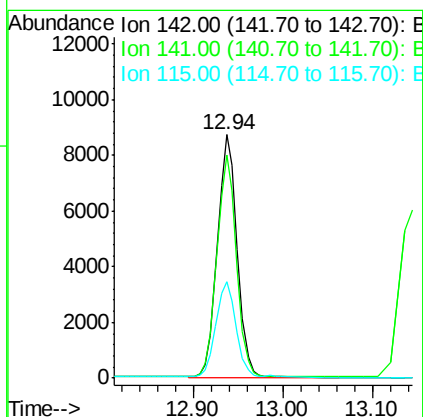
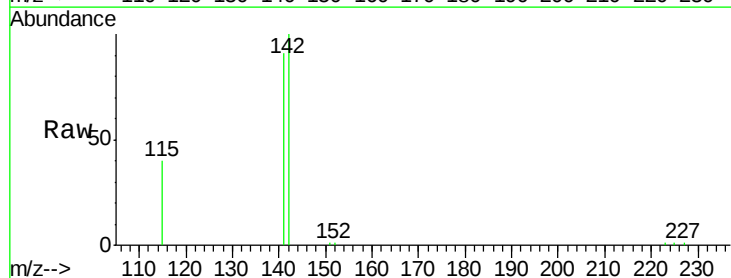
Instrument :
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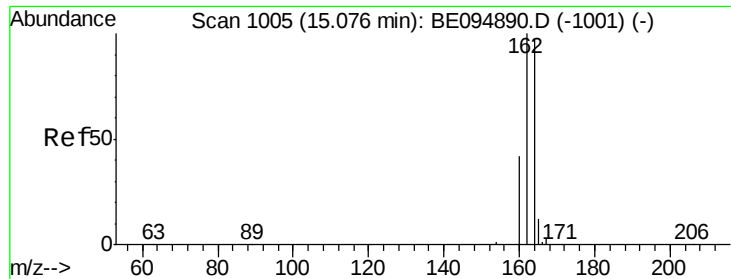
Tot Ion:152 Resp: 9931
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.379 ng
 RT: 12.94 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BE094952.D
 Acq: 8 Dec 2017 17:12

Tgt Ion:142 Resp: 19795
 Ion Ratio Lower Upper
 142 100
 141 91.5 70.4 105.6
 115 39.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

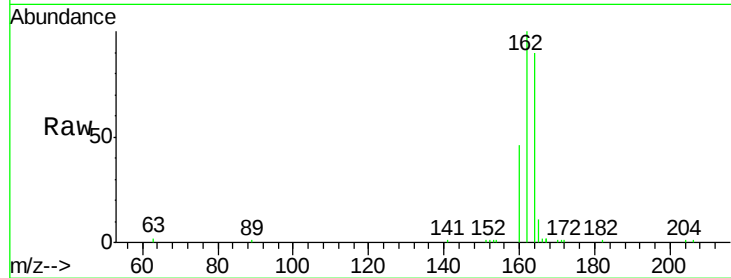
Tot Ion:164 Resp: 8795

Ion Ratio Lower Upper

164 100

162 111.3 83.1 124.7

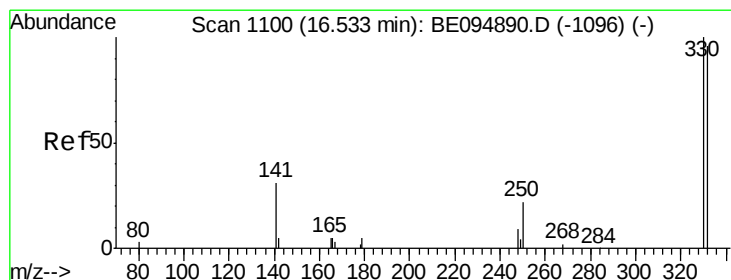
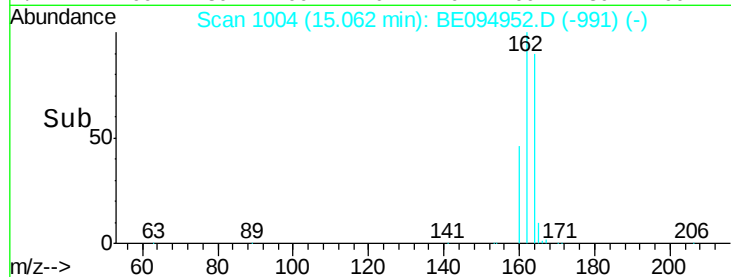
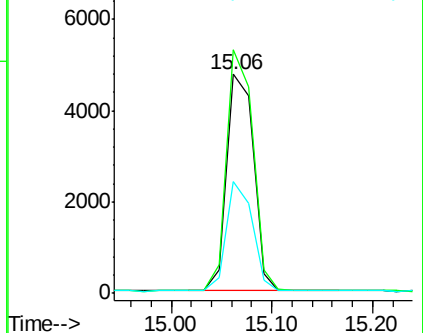
160 51.3 37.1 55.7



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: 0.347 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

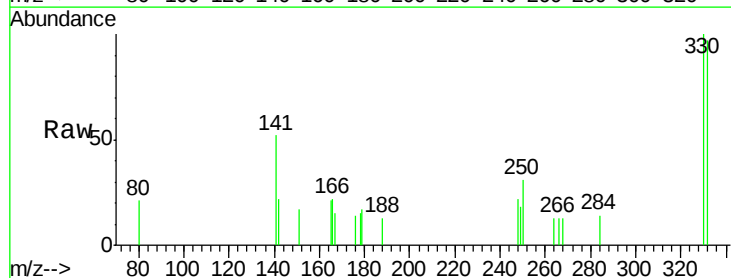
Tgt Ion:330 Resp: 573

Ion Ratio Lower Upper

330 100

332 106.5 152.7 229.1#

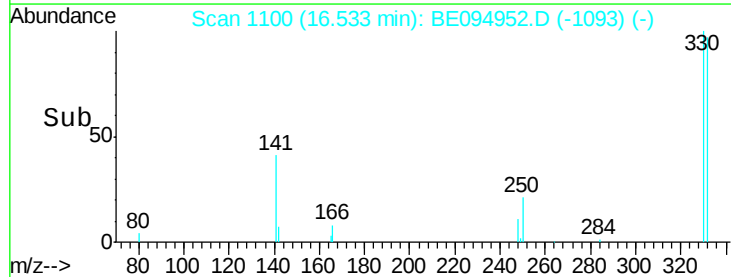
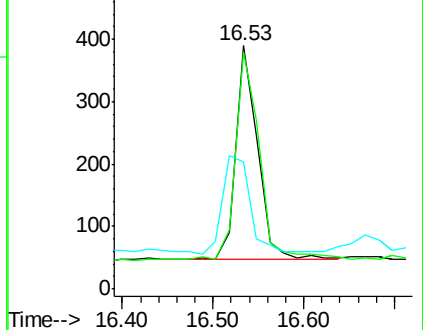
141 54.3 33.7 50.5#

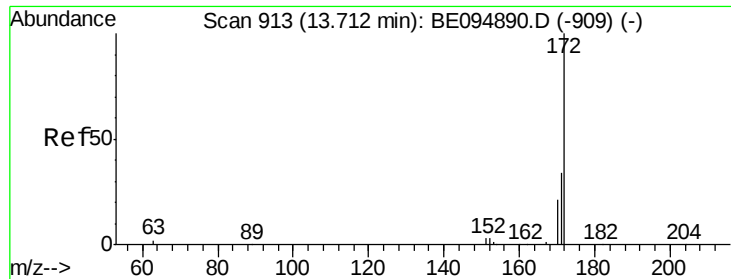


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

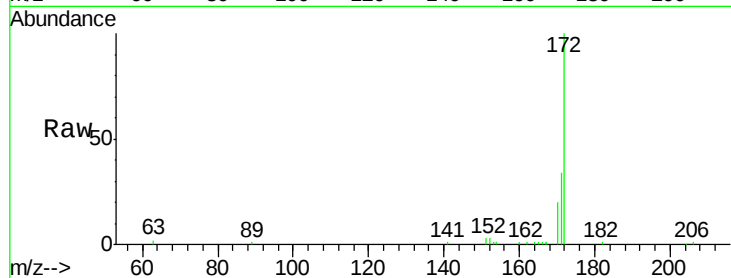




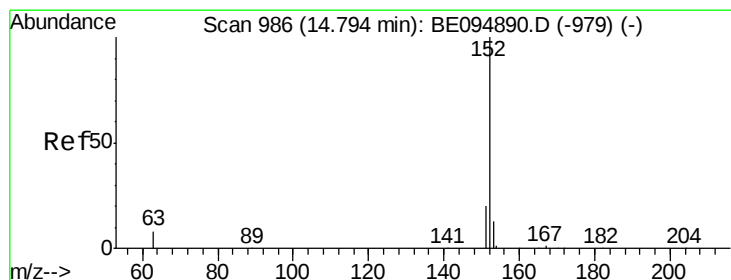
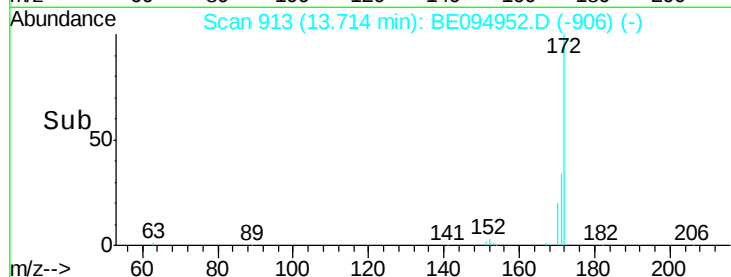
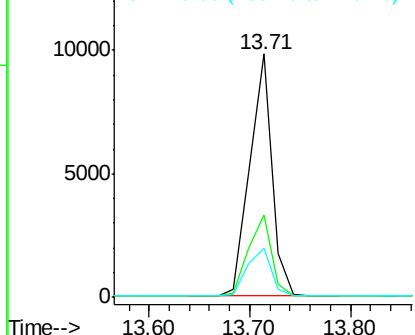
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094952.D
Acq: 8 Dec 2017 17:12

Instrument :
BNA_E
ClientSampleId :
PB104842BSD

Tot Ion:172 Resp: 15029
Ion Ratio Lower Upper
172 100
171 34.0 29.9 44.9
170 20.3 21.8 32.8#

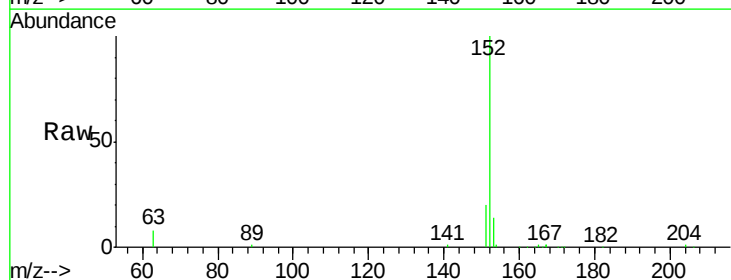


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

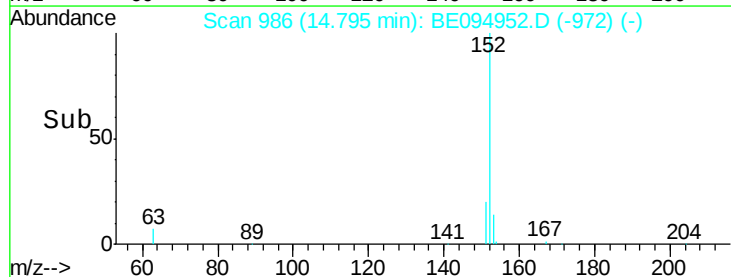
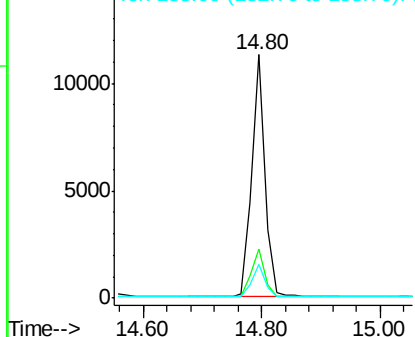


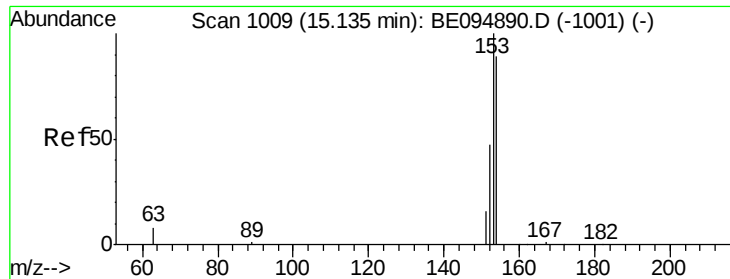
#16
Acenaphthylene
Concen: 0.350 ng
RT: 14.80 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094952.D
Acq: 8 Dec 2017 17:12

Tgt Ion:152 Resp: 17385
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.7 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: 0.366 ng

RT: 15.14 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

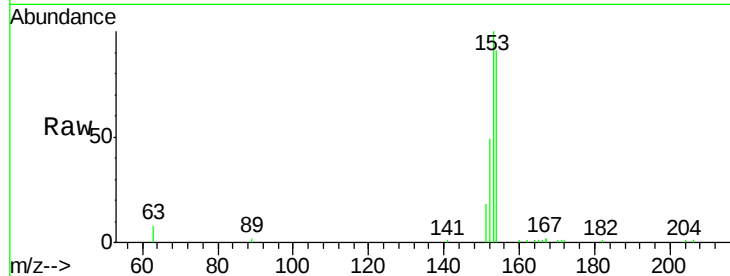
Tot Ion:154 Resp: 11754

Ion Ratio Lower Upper

154 100

153 114.4 89.2 133.8

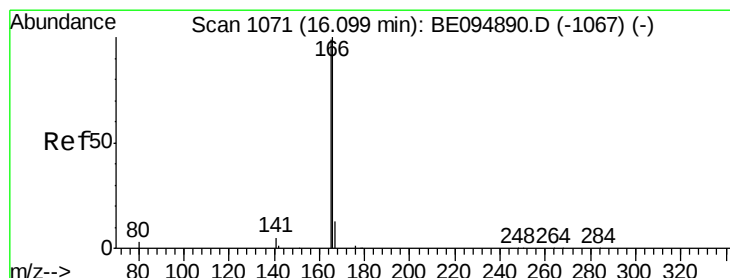
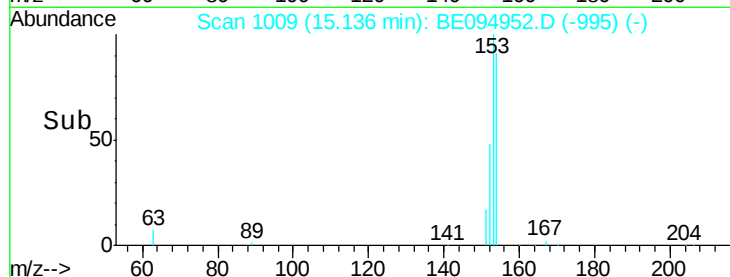
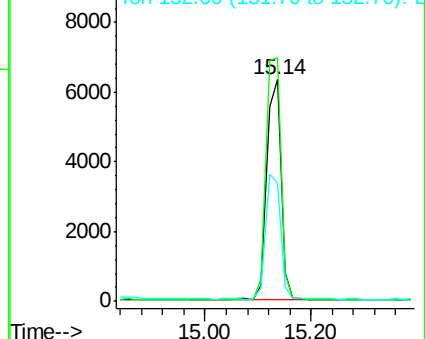
152 58.2 42.0 63.0



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: 0.365 ng

RT: 16.10 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

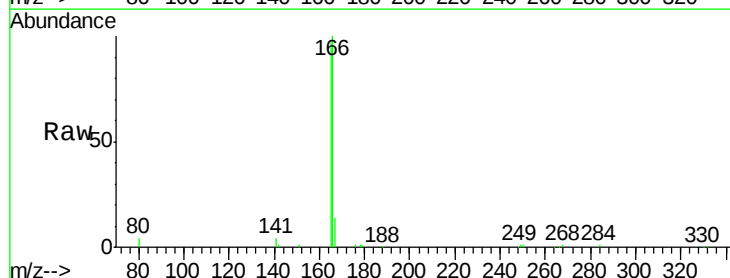
Tgt Ion:166 Resp: 14902

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.6

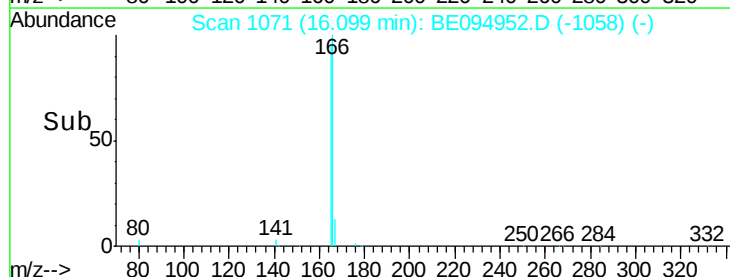
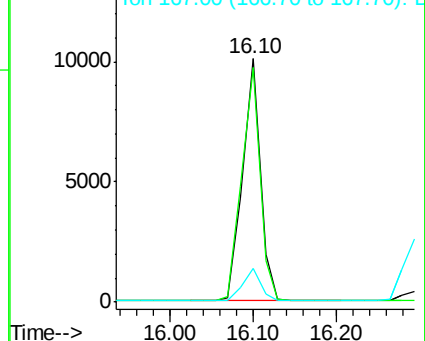
167 13.5 42.4 63.6#

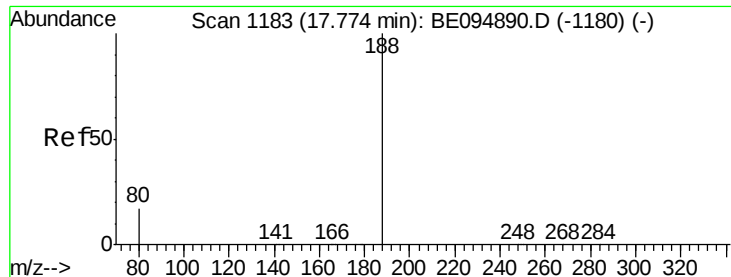


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

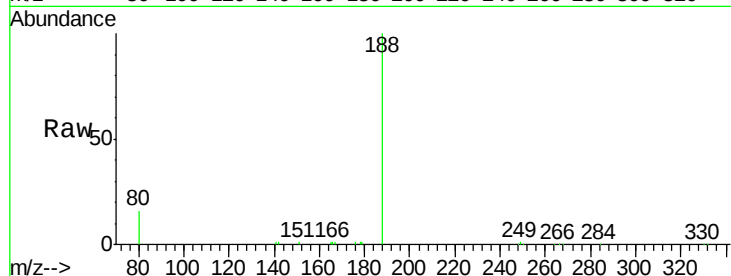
Tot Ion:188 Resp: 19696

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

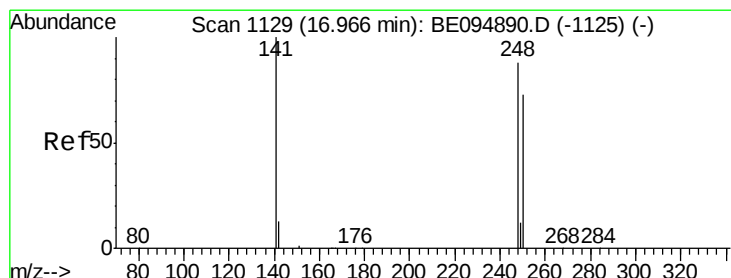
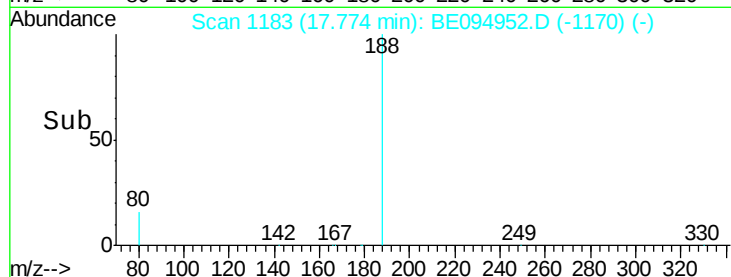
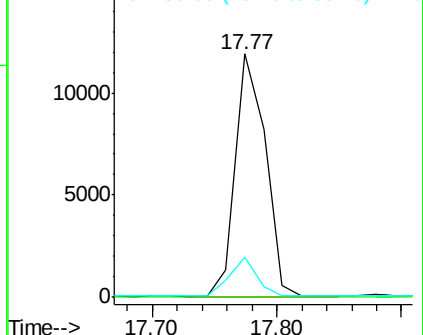
80 16.2 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.412 ng

RT: 16.97 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

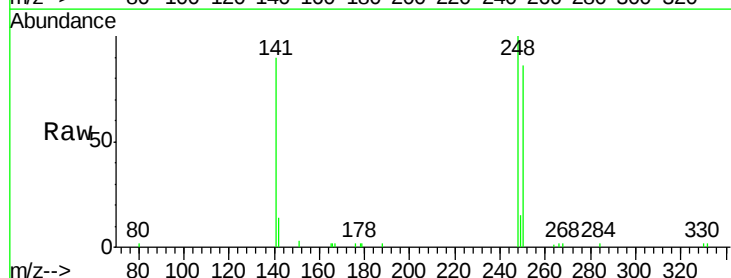
Tgt Ion:248 Resp: 4529

Ion Ratio Lower Upper

248 100

250 86.0 62.7 94.1

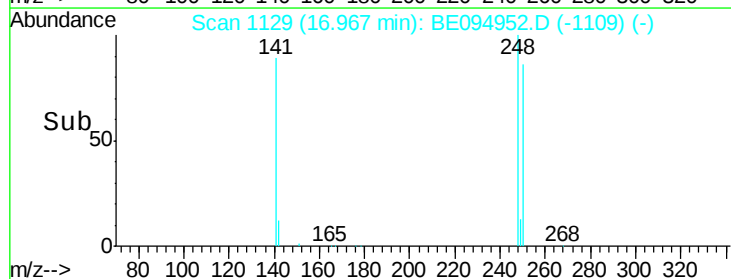
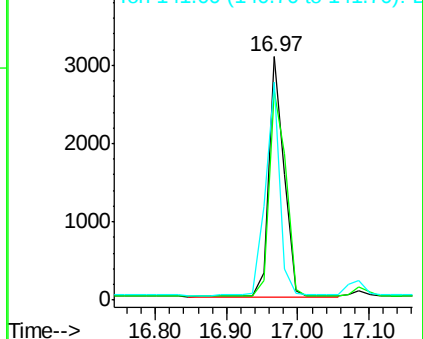
141 89.8 48.2 72.2#

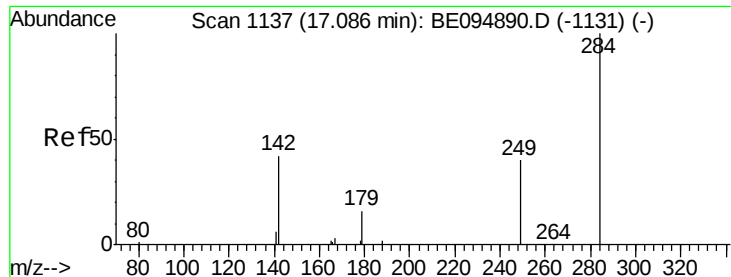


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

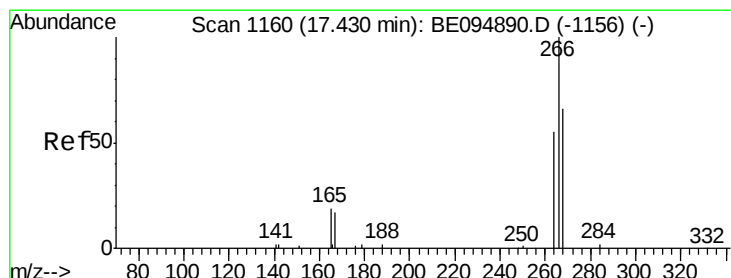
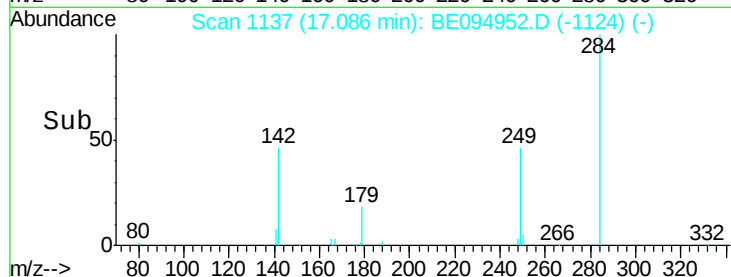
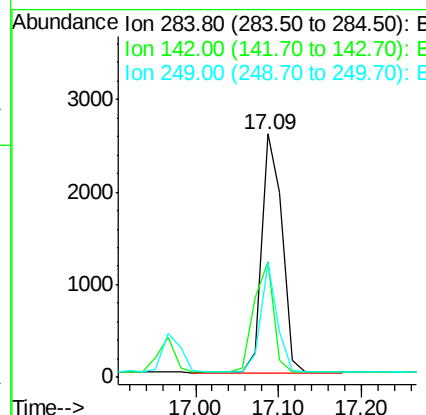
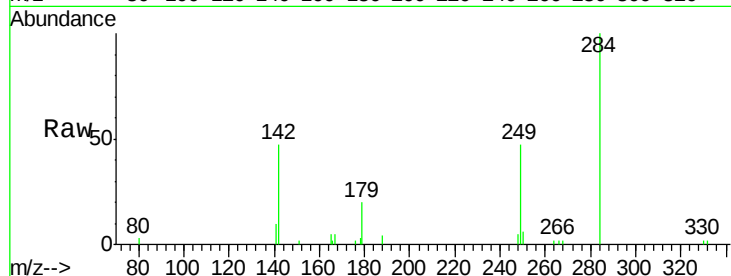




#21
Hexachlorobenzene
Concen: 0.411 ng
RT: 17.09 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BE094952.D
Acq: 8 Dec 2017 17:12

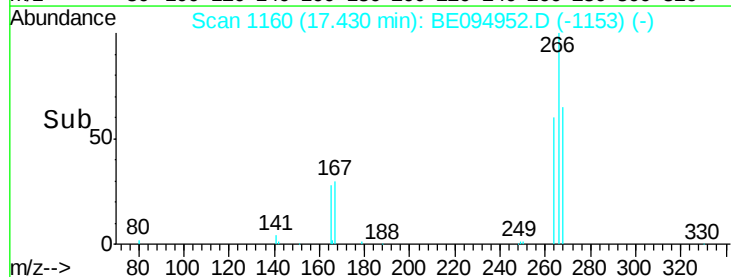
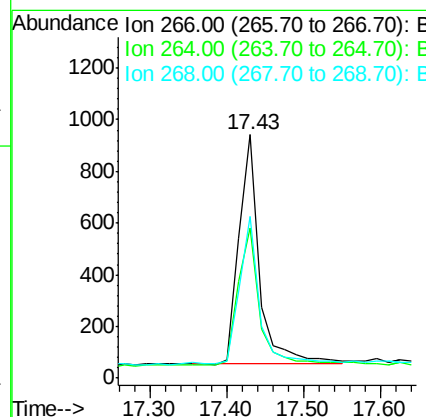
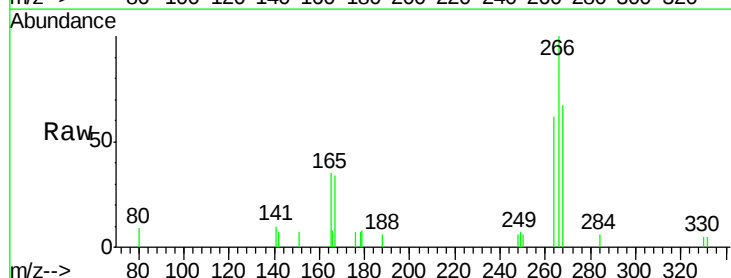
Instrument :
BNA_E
ClientSampleId :
PB104842BSD

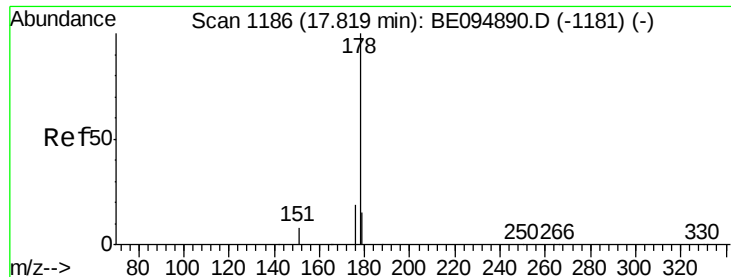
Tot Ion:284 Resp: 4404
Ion Ratio Lower Upper
284 100
142 44.6 22.1 33.1#
249 37.1 34.8 52.2



#22
Pentachlorophenol
Concen: 0.598 ng
RT: 17.43 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE094952.D
Acq: 8 Dec 2017 17:12

Tgt Ion:266 Resp: 1648
Ion Ratio Lower Upper
266 100
264 61.8 72.5 108.7#
268 66.6 73.8 110.6#





#23

Phenanthrene

Concen: 0.385 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

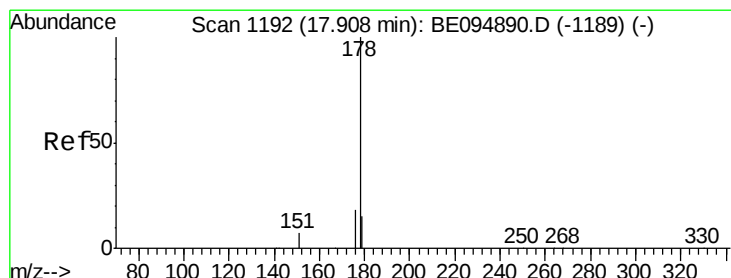
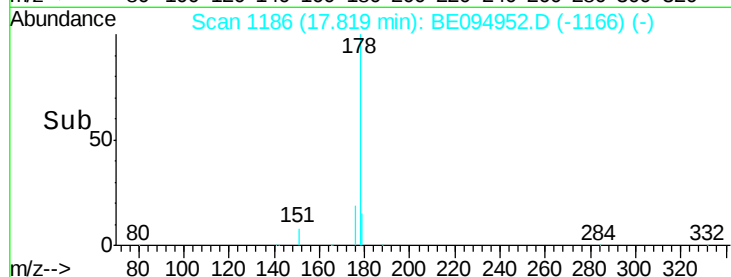
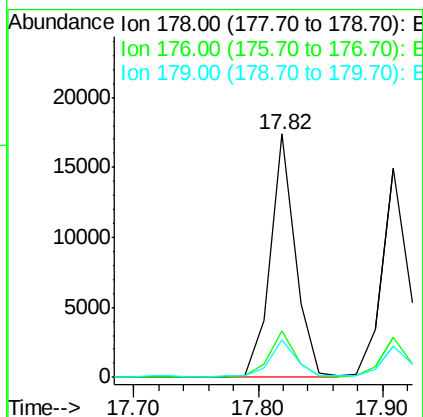
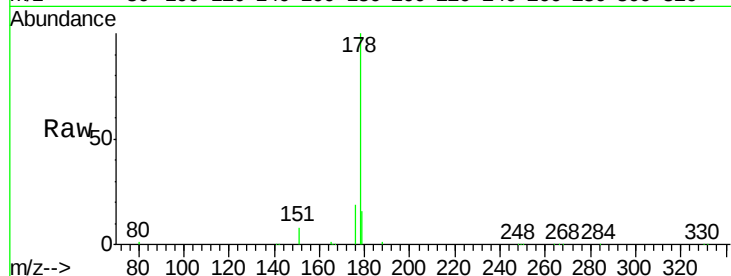
Tot Ion:178 Resp: 24192

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

179 15.8 11.8 17.6



#24

Anthracene

Concen: 0.369 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

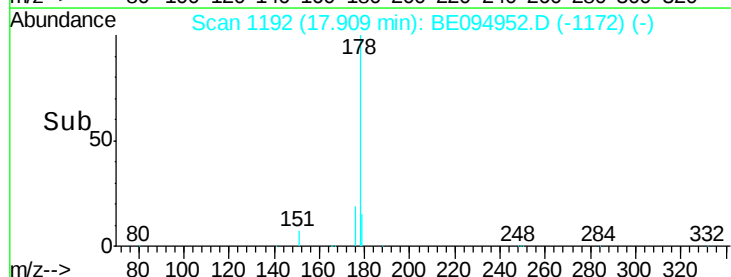
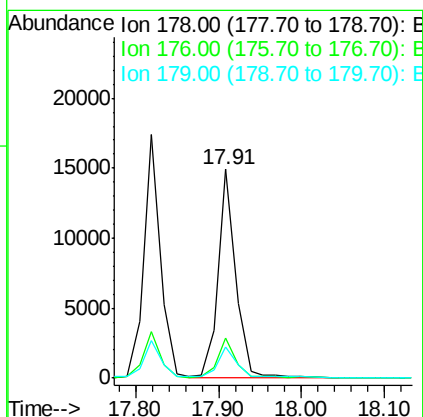
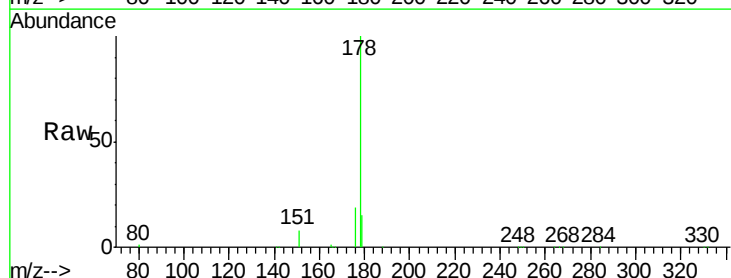
Tgt Ion:178 Resp: 24533

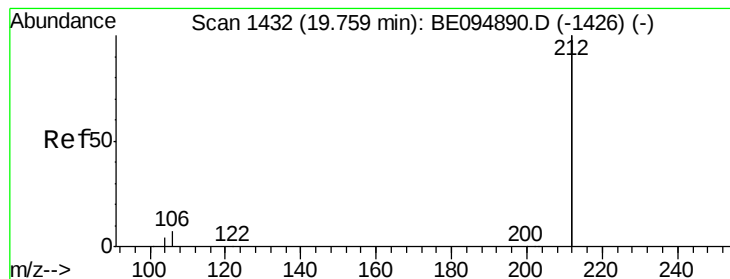
Ion Ratio Lower Upper

178 100

176 20.4 12.8 19.2#

179 17.2 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

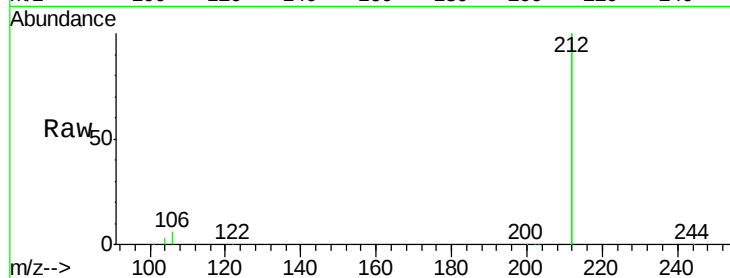
Tot Ion:212 Resp: 85282

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

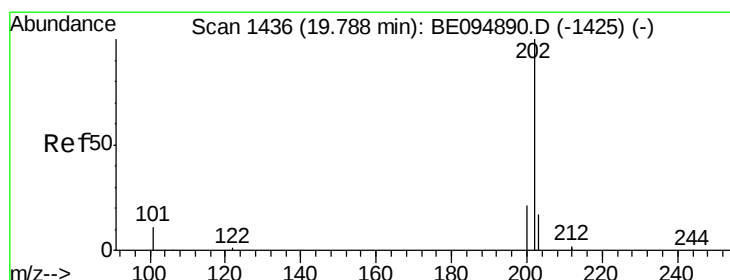
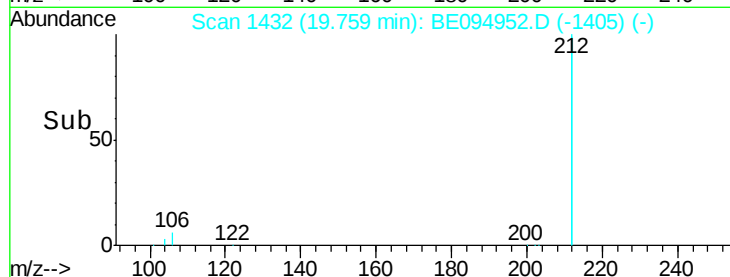
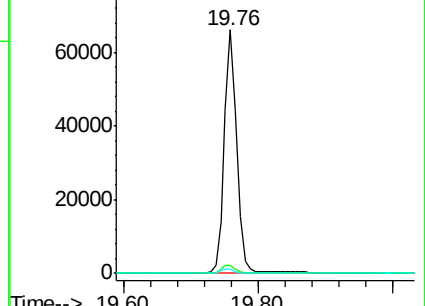
104 1.9 1.6 2.4



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: 0.350 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

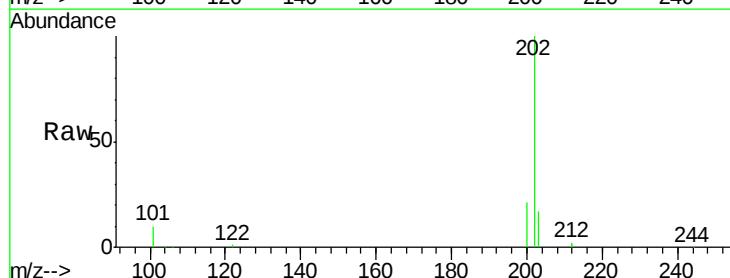
Tgt Ion:202 Resp: 28206

Ion Ratio Lower Upper

202 100

101 11.8 9.8 14.8

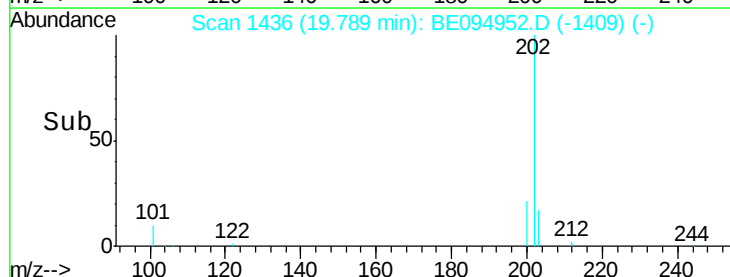
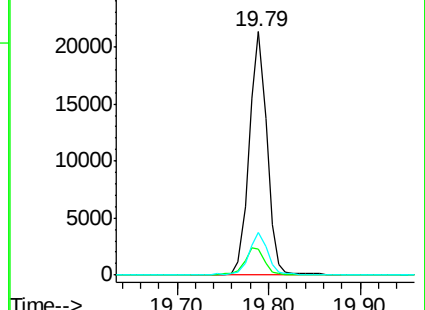
203 17.1 13.7 20.5

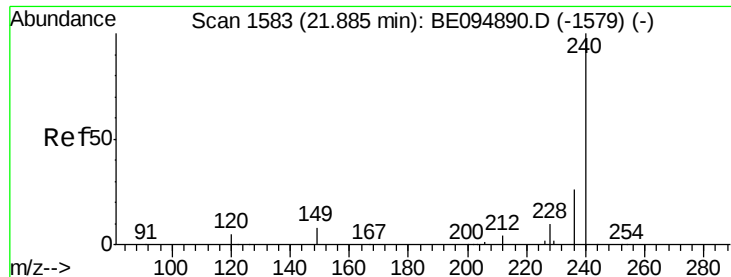


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.89 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

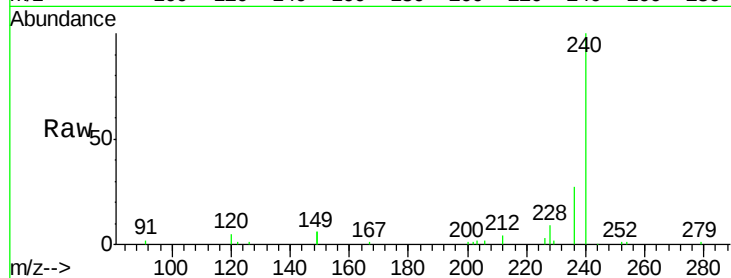
Tot Ion:240 Resp: 20682

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

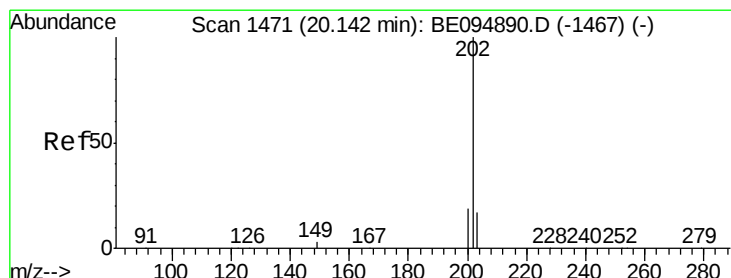
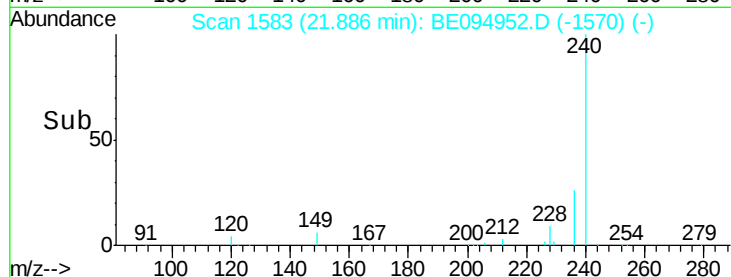
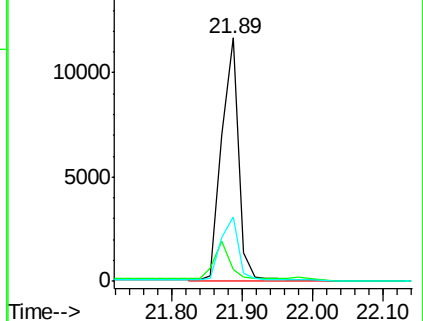
236 26.6 20.7 31.1



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: 0.395 ng

RT: 20.14 min Scan# 1471

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

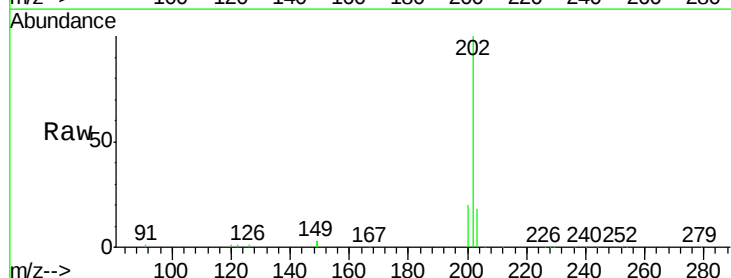
Tgt Ion:202 Resp: 28201

Ion Ratio Lower Upper

202 100

200 21.5 16.6 25.0

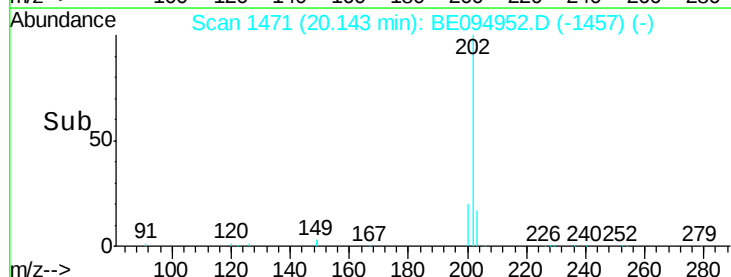
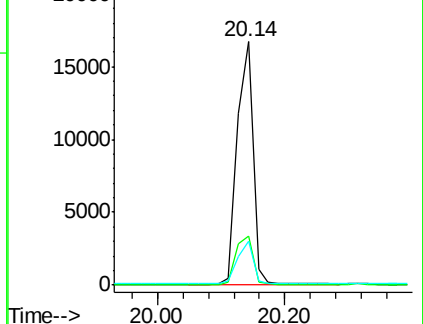
203 17.4 13.8 20.8

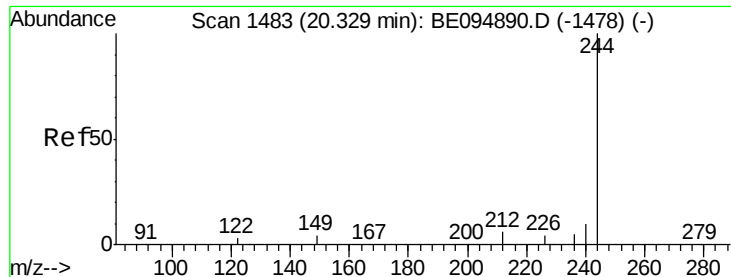


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.424 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

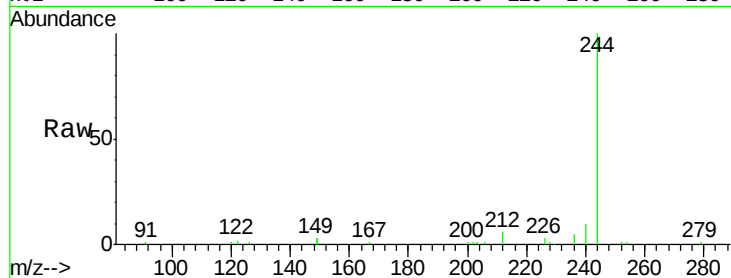
Tot Ion:244 Resp: 16196

Ion Ratio Lower Upper

244 100

212 5.6 25.4 38.0#

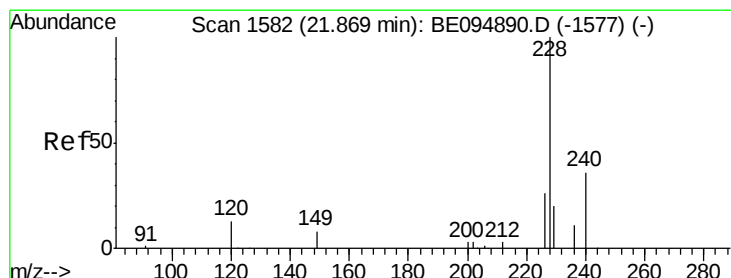
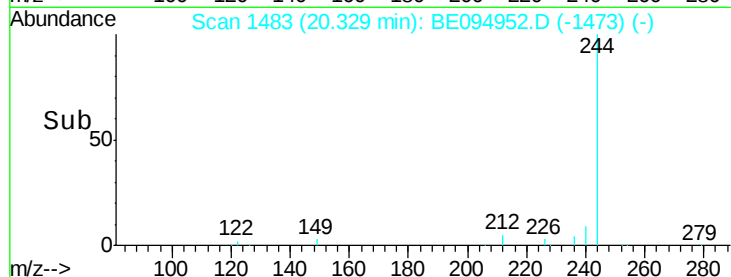
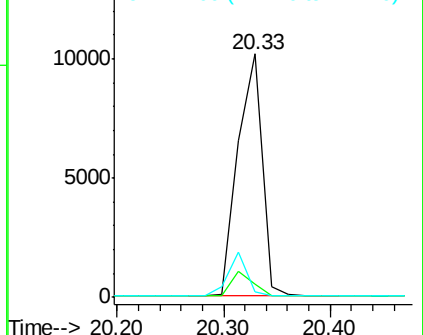
122 2.4 8.1 12.1#



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: 0.402 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

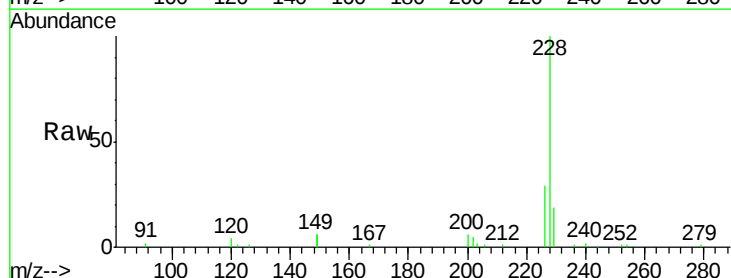
Tgt Ion:228 Resp: 25502

Ion Ratio Lower Upper

228 100

226 29.5 40.0 60.0#

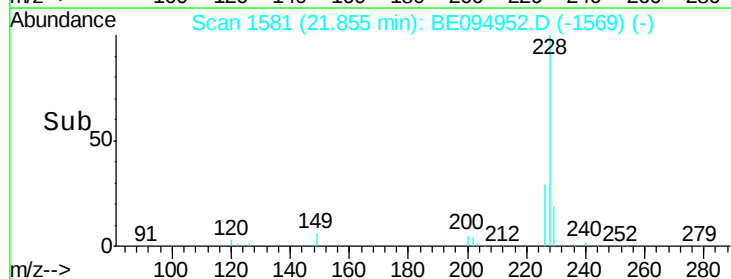
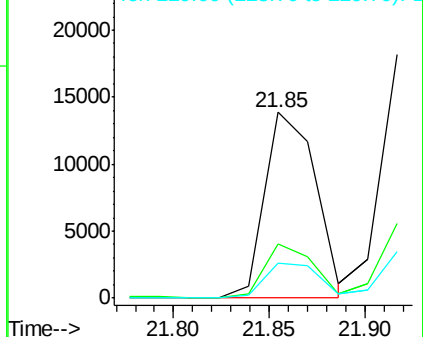
229 19.0 40.0 60.0#

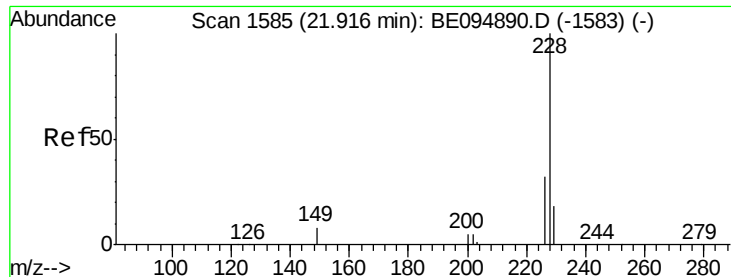


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.415 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

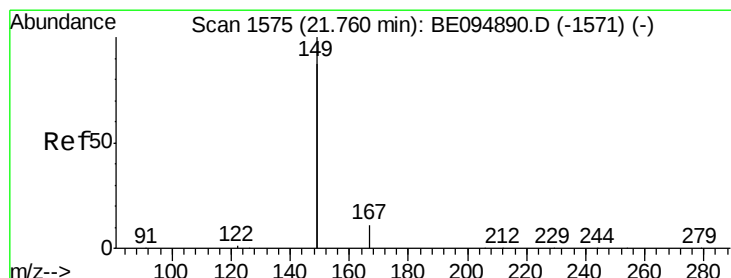
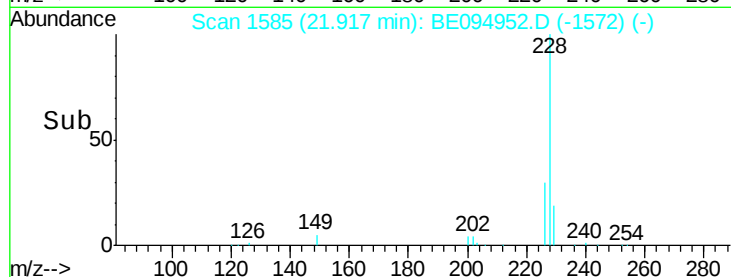
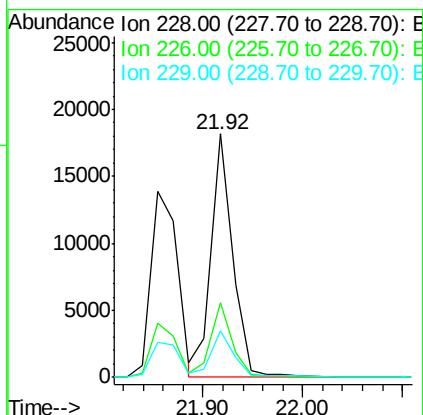
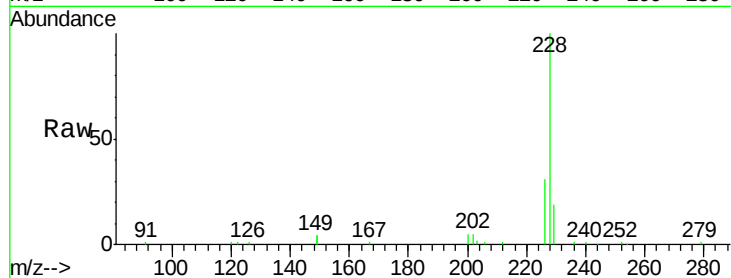
Tot Ion:228 Resp: 29049

Ion Ratio Lower Upper

228 100

226 30.5 40.0 60.0#

229 19.2 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.294 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

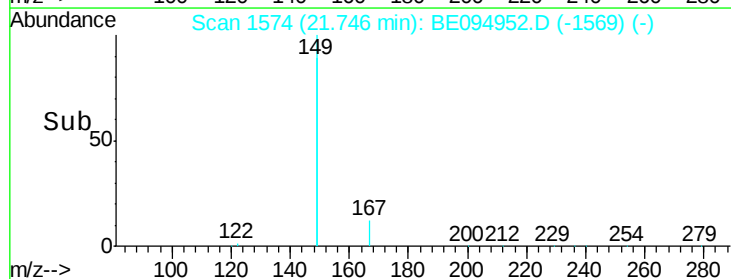
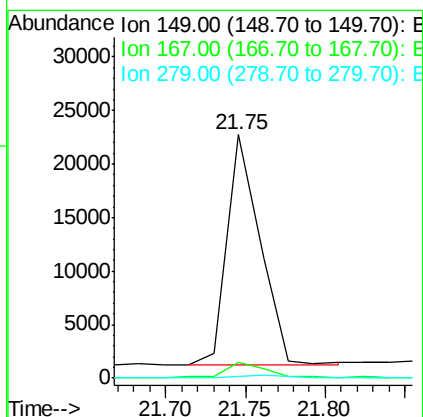
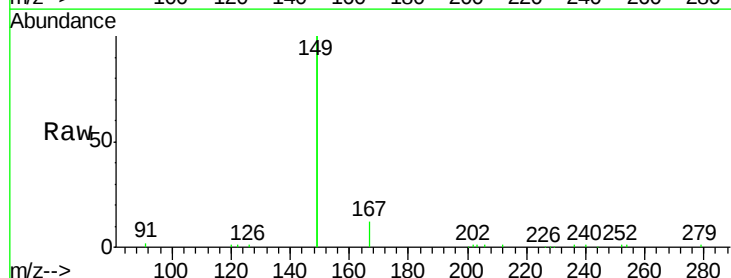
Tgt Ion:149 Resp: 30854

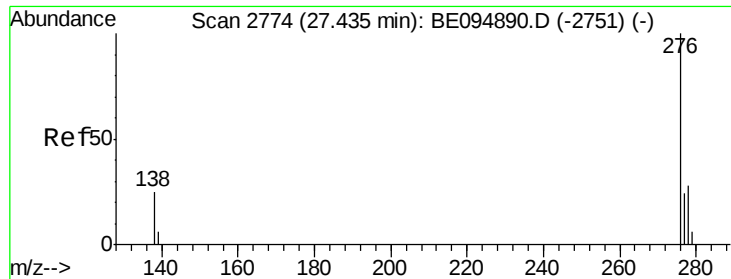
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.8 0.7 1.1

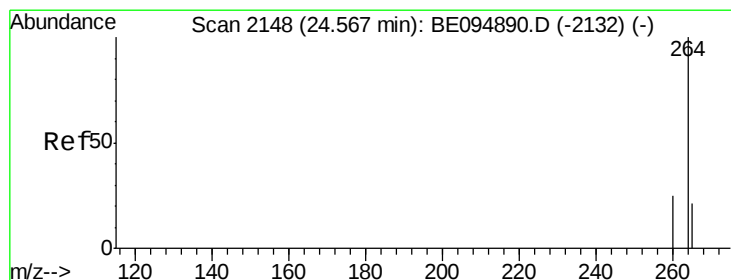
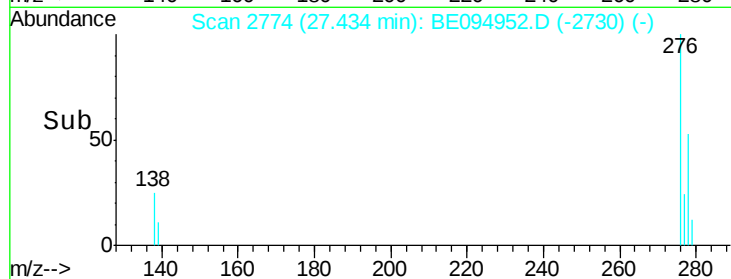
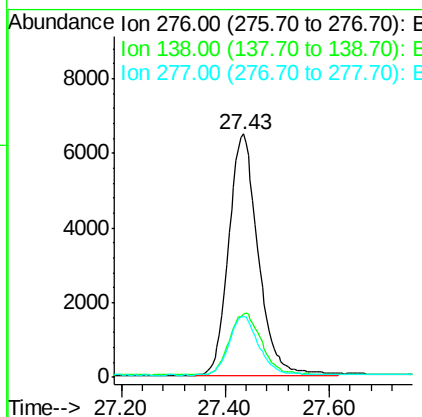
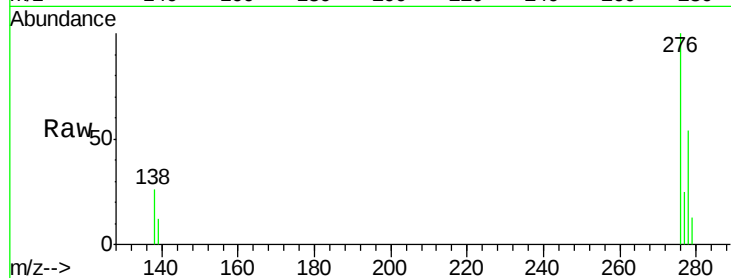




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.445 ng
RT: 27.43 min Scan# 2774
Delta R.T. -0.00 min
Lab File: BE094952.D
Acq: 8 Dec 2017 17:12

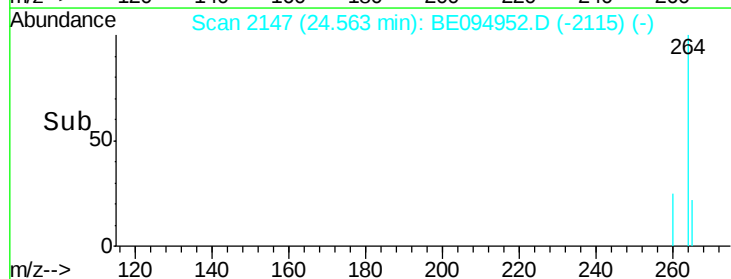
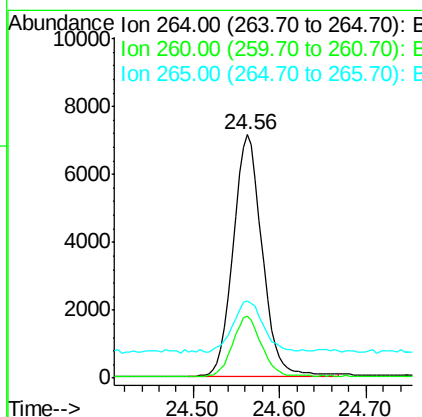
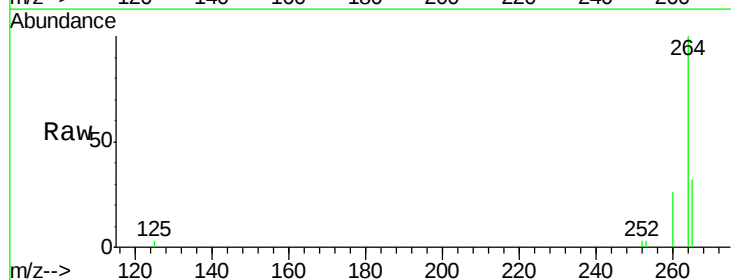
Instrument :
BNA_E
ClientSampleId :
PB104842BSD

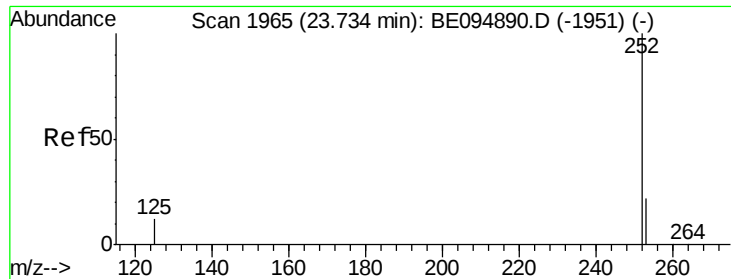
Tot Ion:276 Resp: 25508
Ion Ratio Lower Upper
276 100
138 27.5 22.5 33.7
277 24.3 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.56 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BE094952.D
Acq: 8 Dec 2017 17:12

Tgt Ion:264 Resp: 16607
Ion Ratio Lower Upper
264 100
260 25.6 20.5 30.7
265 31.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.415 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

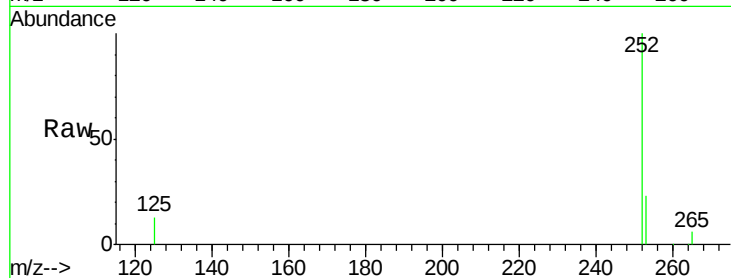
Tot Ion:252 Resp: 25145

Ion Ratio Lower Upper

252 100

253 22.8 48.0 72.0#

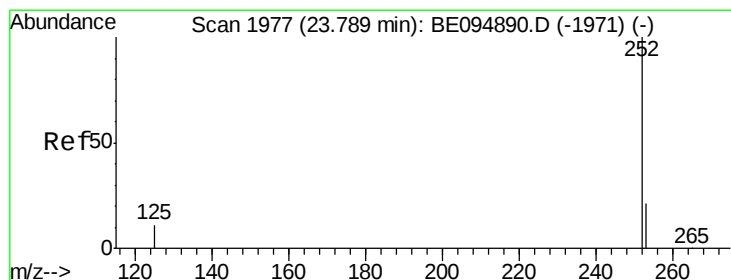
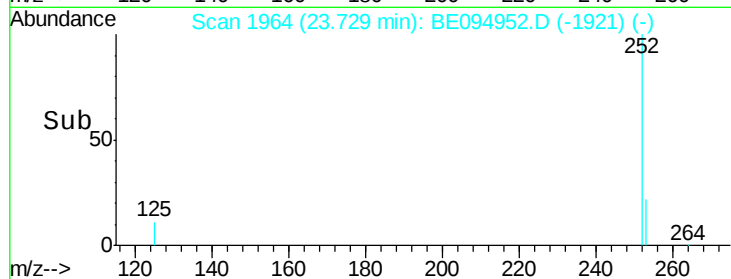
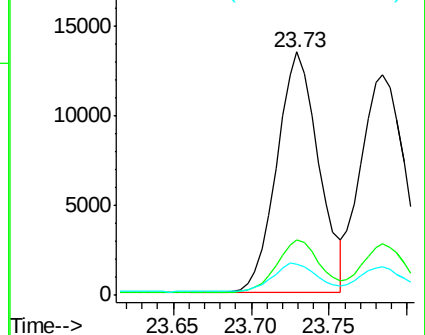
125 12.6 56.0 84.0#



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: 0.396 ng

RT: 23.78 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

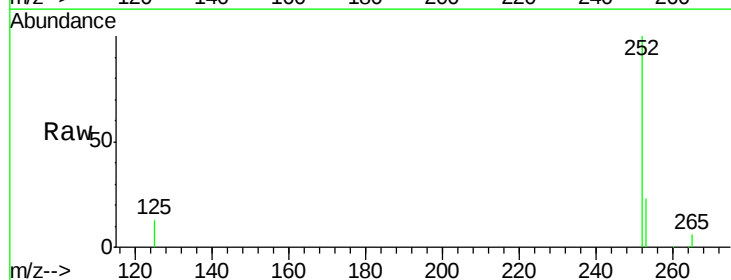
Tgt Ion:252 Resp: 24500

Ion Ratio Lower Upper

252 100

253 23.2 48.0 72.0#

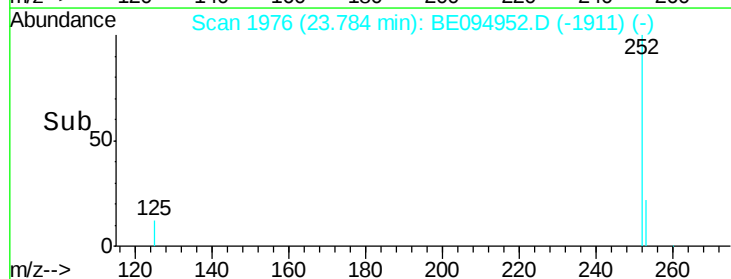
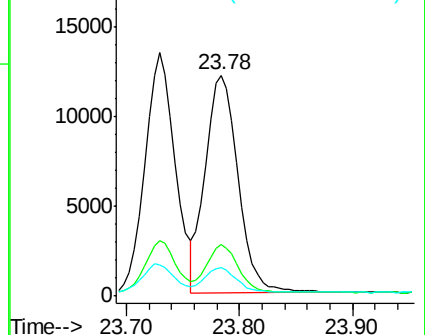
125 13.1 56.0 84.0#

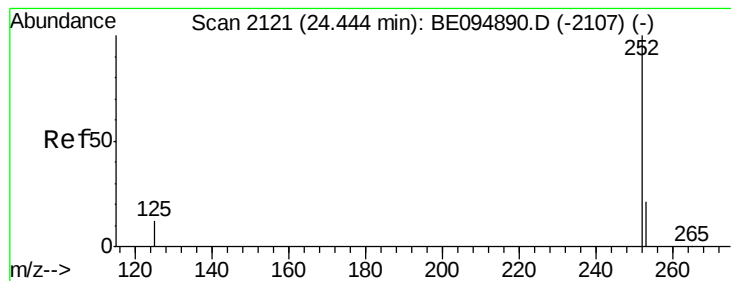


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.431 ng

RT: 24.44 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

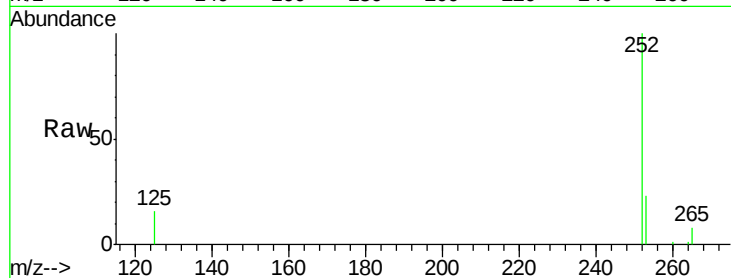
Tot Ion:252 Resp: 22927

Ion Ratio Lower Upper

252 100

253 23.4 52.0 78.0#

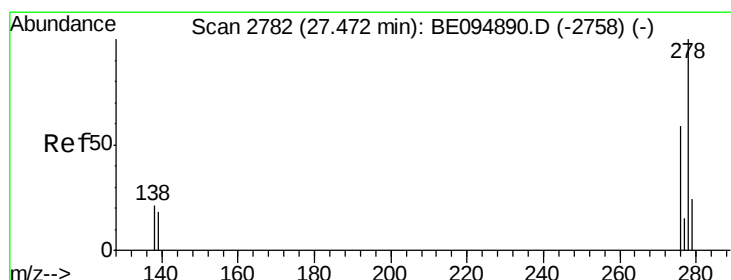
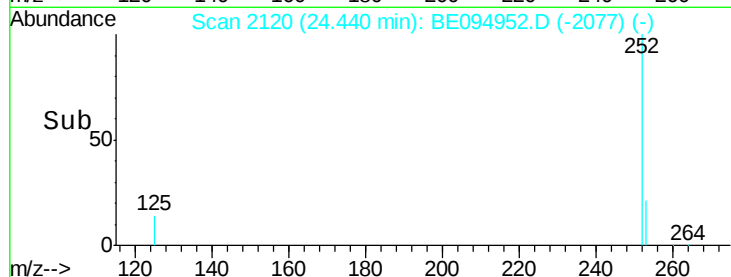
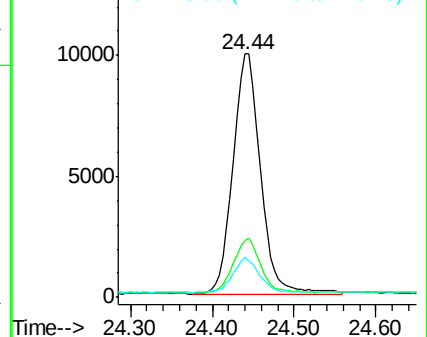
125 16.2 68.0 102.0#



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: 0.435 ng

RT: 27.46 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

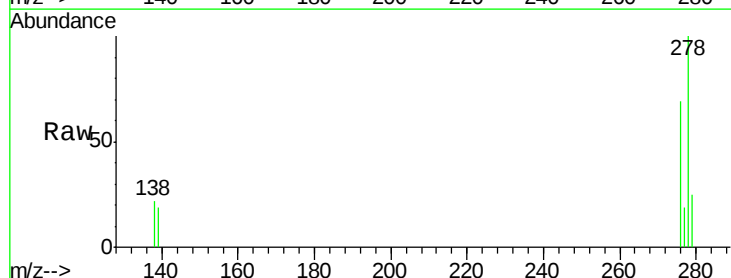
Tgt Ion:278 Resp: 21347

Ion Ratio Lower Upper

278 100

139 19.0 56.0 84.0#

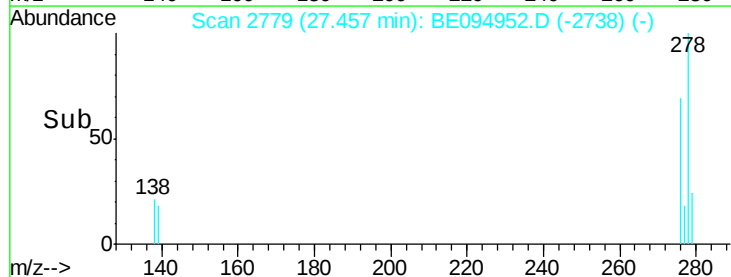
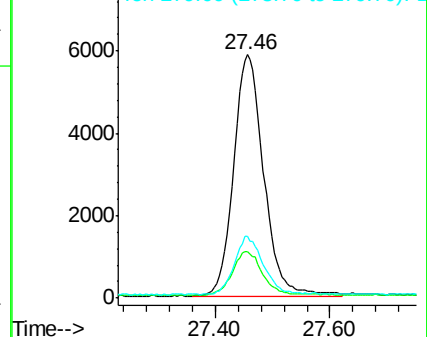
279 25.3 52.0 78.0#

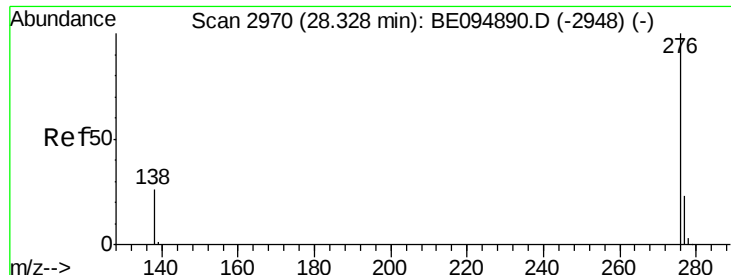


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.452 ng

RT: 28.32 min Scan# 2969

Delta R.T. -0.01 min

Lab File: BE094952.D

Acq: 8 Dec 2017 17:12

Instrument :

BNA_E

ClientSampleId :

PB104842BSD

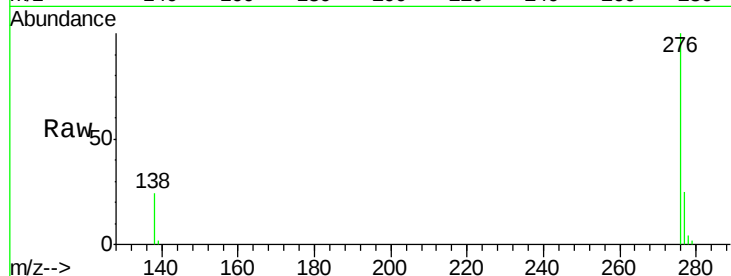
Tot Ion: 276 Resp: 22155

Ion Ratio Lower Upper

276 100

277 25.3 52.0 78.0#

138 24.5 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

