

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120117\
 Data File : BE094908.D
 Acq On : 1 Dec 2017 17:02
 Operator : SJ/JU
 Sample : PB104512BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104512BSD

Quant Time: Dec 02 00:36:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	8237	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16273	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7829	0.40	ng	-0.01
19) Phenanthrene-d10	17.77	188	18348	0.40	ng	0.00
27) Chrysene-d12	21.87	240	19272	0.40	ng	-0.02
34) Perylene-d12	24.56	264	15803	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	3145	0.24	ng	0.00
5) Phenol-d6	7.59	99	4628	0.24	ng	0.00
8) Nitrobenzene-d5	9.66	82	3196	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	6802	0.26	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	281	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	9750	0.29	ng	0.00
25) Fluoranthene-d10	19.76	212	60570	0.24	ng	0.00
29) Terphenyl-d14	20.33	244	10913	0.31	ng	0.00

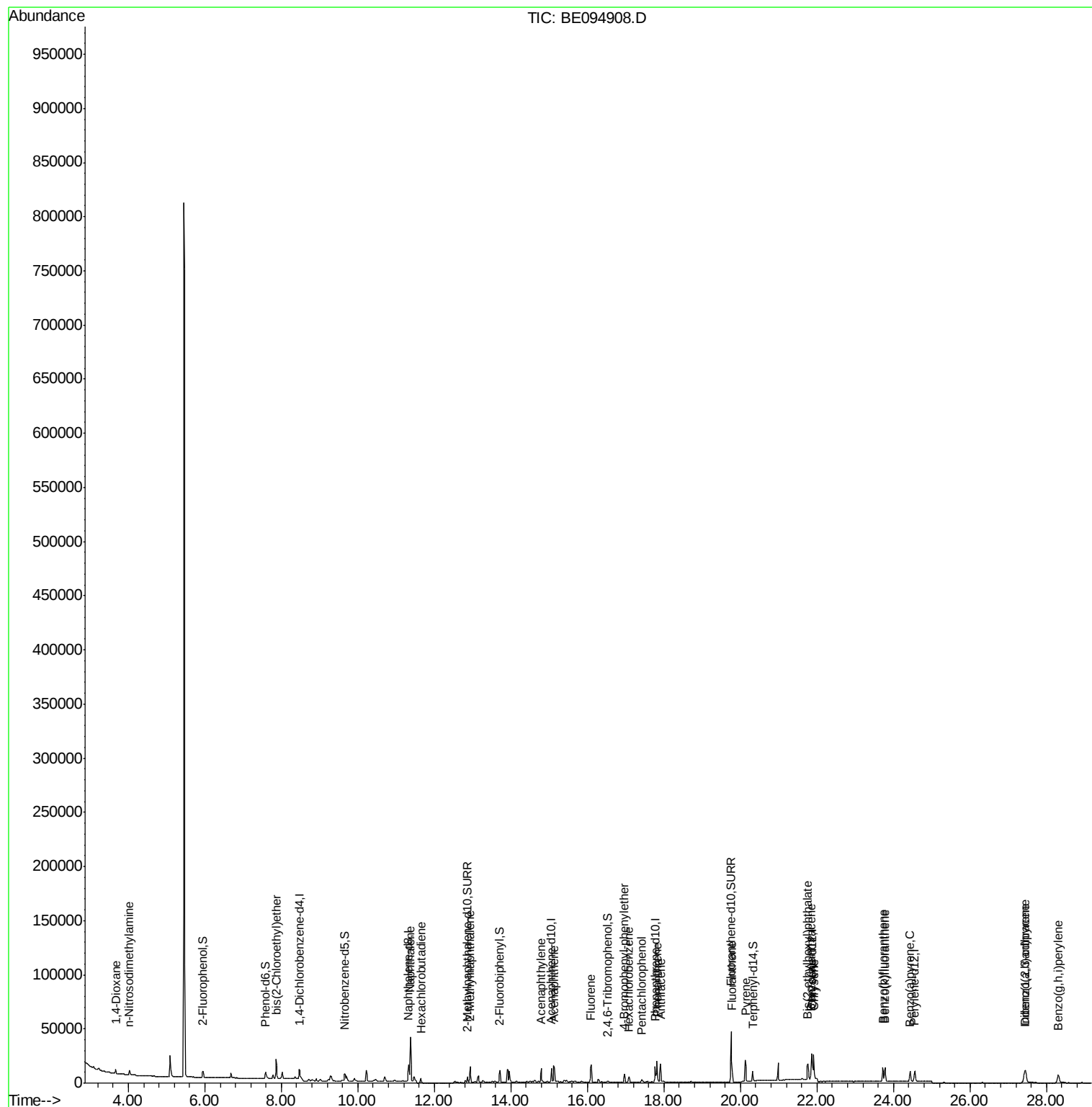
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.67	88	2274	0.264	ng	# 9
3) n-Nitrosodimethylamine	4.01	42	3718	0.339	ng	# 77
6) bis(2-Chloroethyl)ether	7.87	93	5940	0.310	ng	99
9) Naphthalene	11.38	128	63733	0.334	ng	99
10) Hexachlorobutadiene	11.64	225	2771	0.344	ng	97
12) 2-Methylnaphthalene	12.94	142	15323	0.323	ng	98
16) Acenaphthylene	14.79	152	13866	0.313	ng	100
17) Acenaphthene	15.14	154	9218	0.322	ng	96
18) Fluorene	16.10	166	11406	0.314	ng	# 78
20) 4-Bromophenyl-phenylether	16.97	248	3441	0.336	ng	# 79
21) Hexachlorobenzene	17.09	284	3377	0.338	ng	# 79
22) Pentachlorophenol	17.42	266	1046	0.450	ng	# 72
23) Phenanthrene	17.82	178	19441	0.333	ng	97
24) Anthracene	17.91	178	20020	0.323	ng	# 91
26) Fluoranthene	19.78	202	22952	0.305	ng	99
28) Pyrene	20.13	202	27206	0.409	ng	100
30) Benzo(a)anthracene	21.85	228	19377	0.328	ng	# 62
31) Chrysene	21.92	228	22265	0.341	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.76	149	22586	0.231	ng	100
33) Indeno(1,2,3-cd)pyrene	27.42	276	19961	0.374	ng	100
35) Benzo(b)fluoranthene	23.72	252	18965	0.329	ng	# 41
36) Benzo(k)fluoranthene	23.78	252	19050	0.324	ng	# 41
37) Benzo(a)pyrene	24.44	252	16829	0.333	ng	# 34
38) Dibenzo(a,h)anthracene	27.46	278	16635	0.356	ng	# 43
39) Benzo(g,h,i)perylene	28.31	276	17312	0.371	ng	# 53

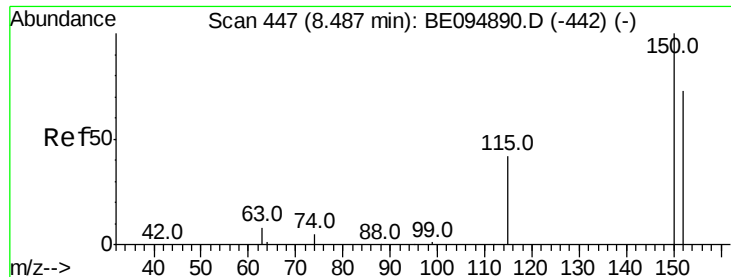
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120117\
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QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

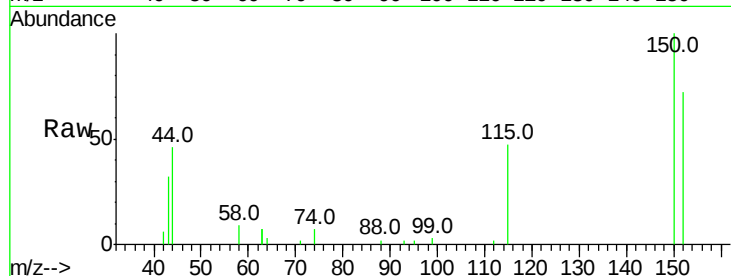
Tot Ion:152 Resp: 8237

Ion Ratio Lower Upper

152 100

150 138.6 117.2 175.8

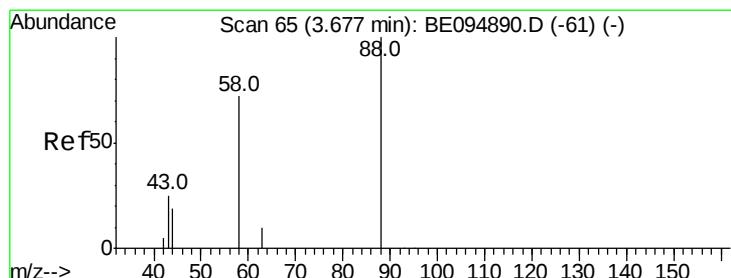
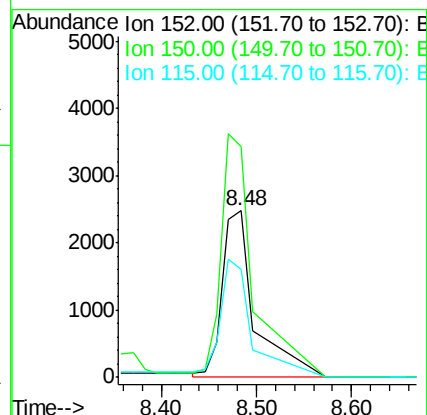
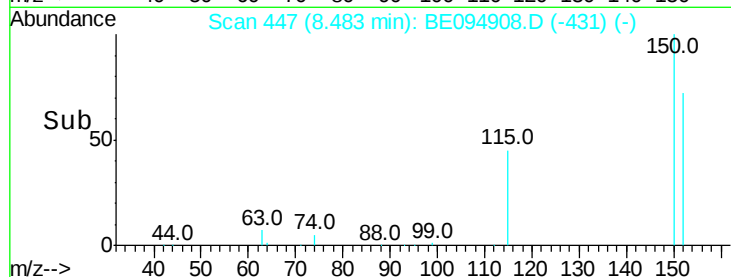
115 64.9 57.0 85.6



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: 0.264 ng

RT: 3.67 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

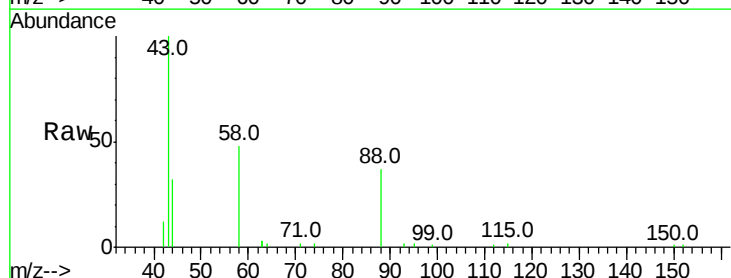
Tgt Ion: 88 Resp: 2274

Ion Ratio Lower Upper

88 100

58 104.5 63.2 94.8#

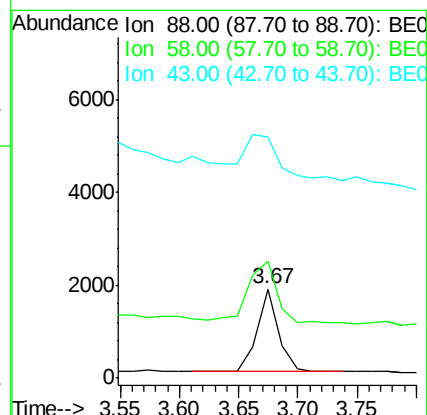
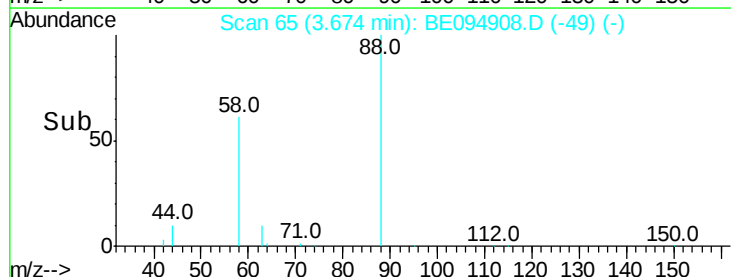
43 181.4 41.2 61.8#

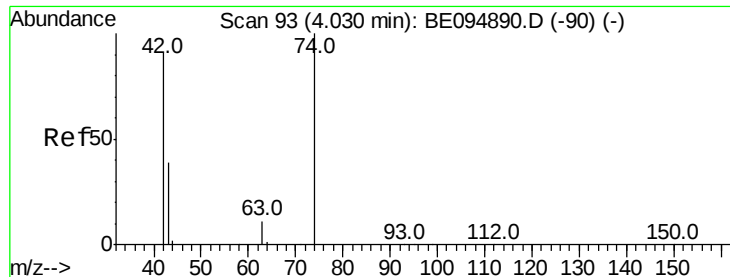


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.339 ng

RT: 4.01 min Scan# 92

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

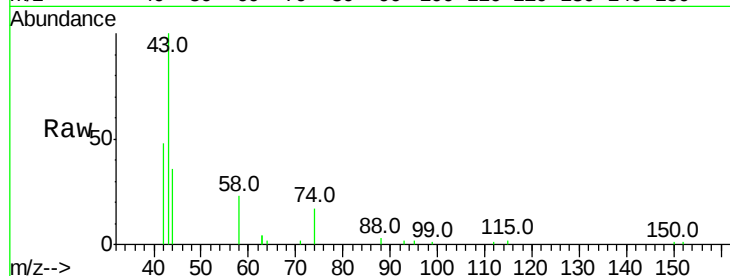
Tot Ion: 42 Resp: 3718

Ion Ratio Lower Upper

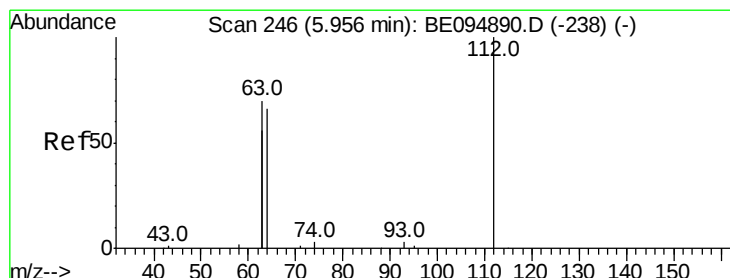
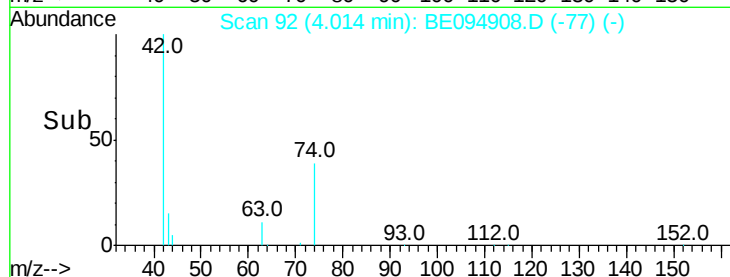
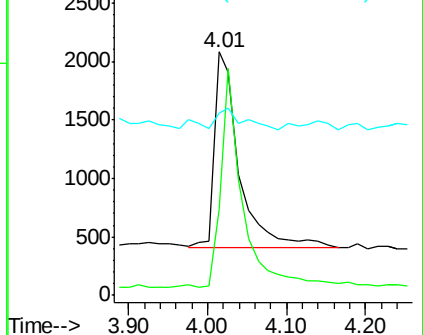
42 100

74 97.6 100.3 150.5#

44 14.4 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: 0.241 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

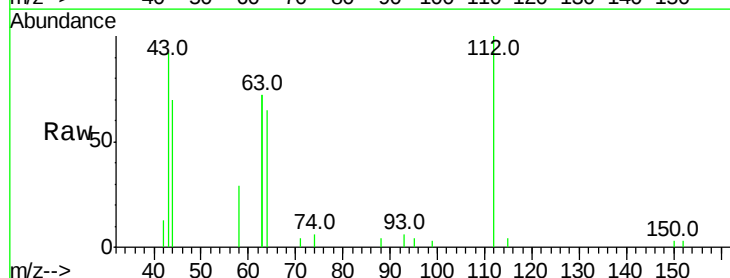
Tgt Ion: 112 Resp: 3145

Ion Ratio Lower Upper

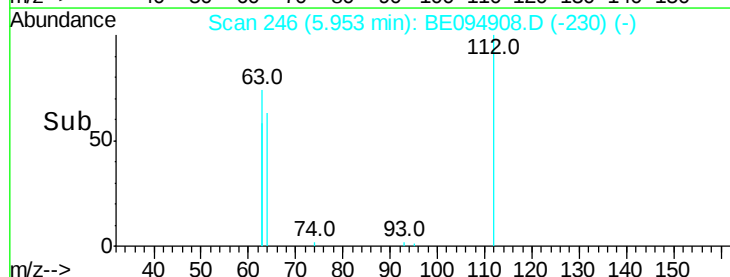
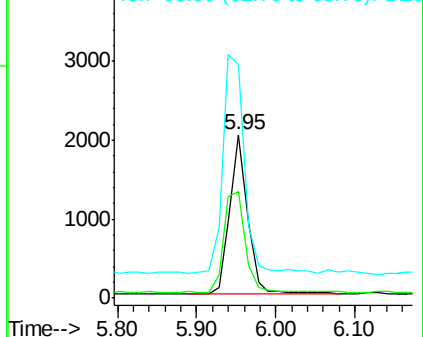
112 100

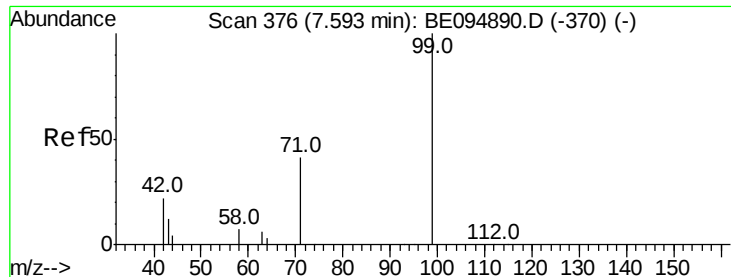
64 77.5 60.1 90.1

63 168.4 116.8 175.2



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: 0.240 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

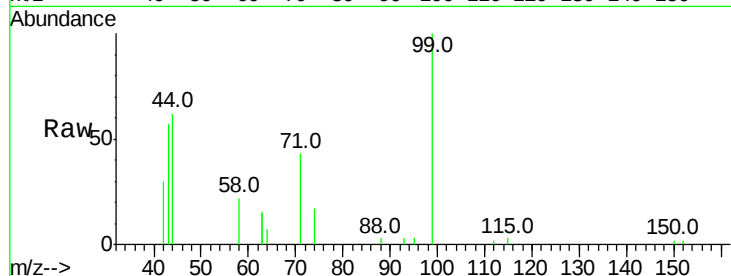
Tot Ion: 99 Resp: 4628

Ion Ratio Lower Upper

99 100

42 32.2 20.2 30.2#

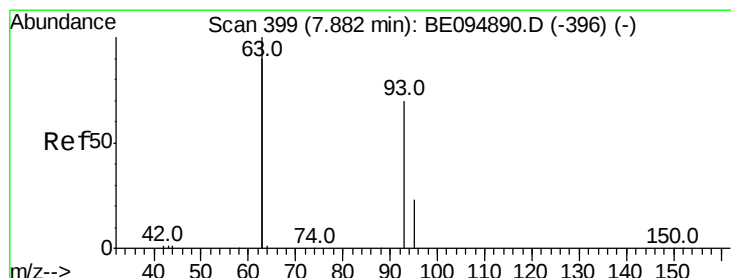
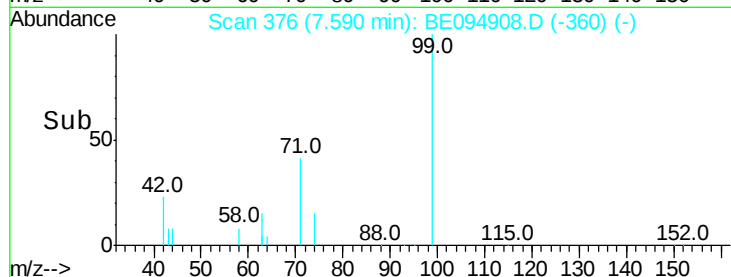
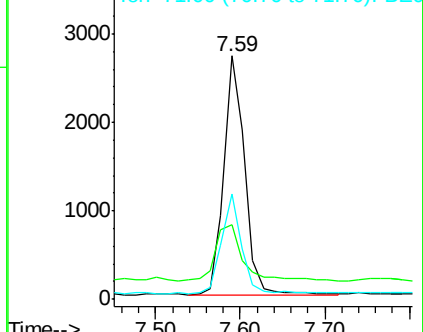
71 41.5 28.4 42.6



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: 0.310 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

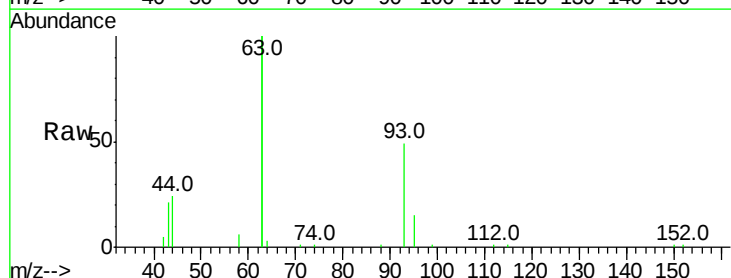
Tgt Ion: 93 Resp: 5940

Ion Ratio Lower Upper

93 100

63 342.6 275.3 412.9

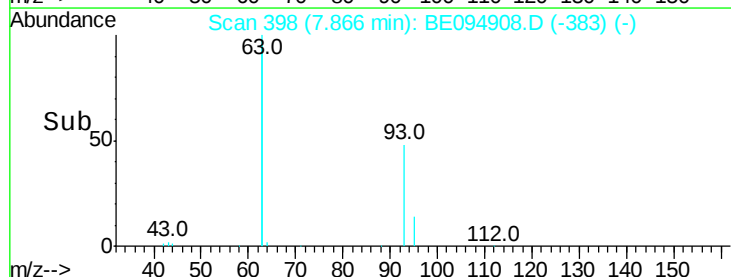
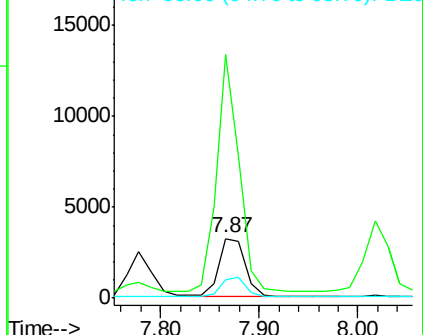
95 31.2 25.2 37.8

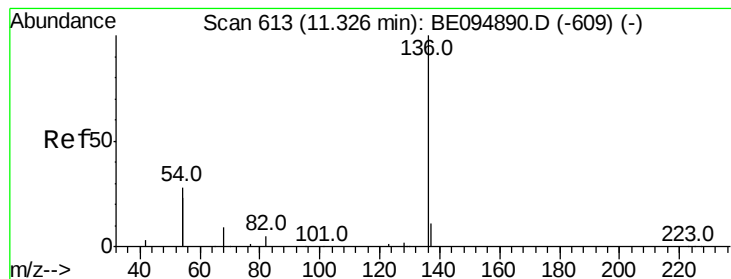


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

Tot Ion:136 Resp: 16273

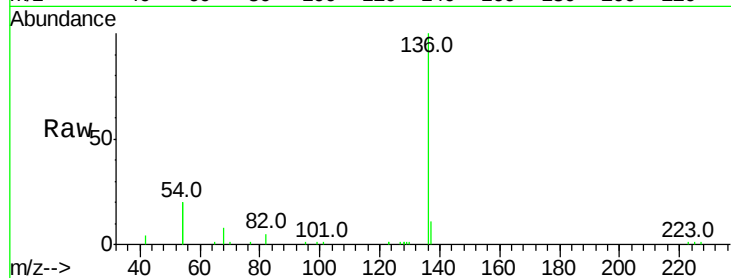
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 40.2 29.1 43.7

68 7.9 6.2 9.2

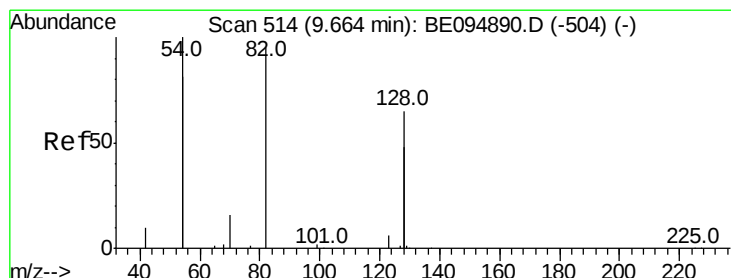
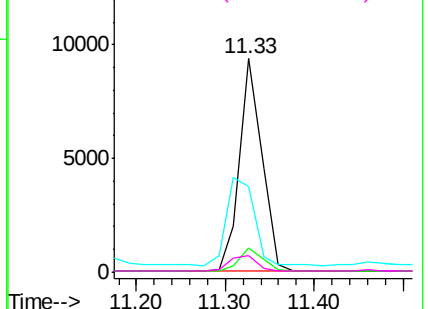
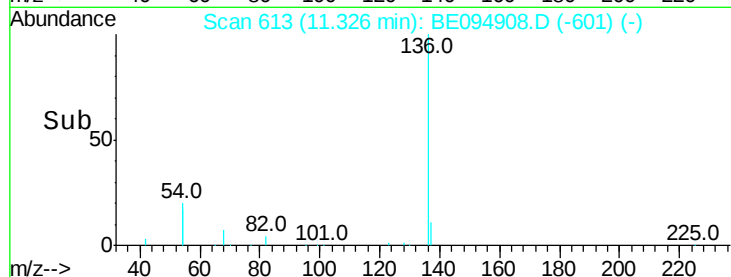


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.332 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

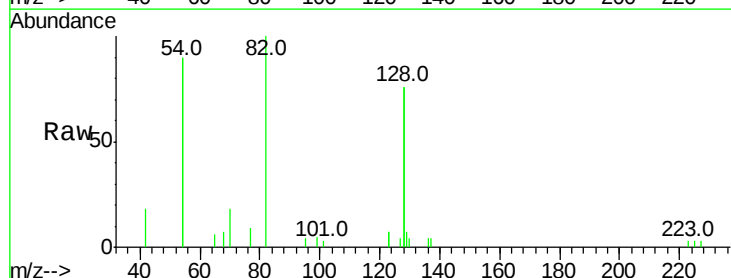
Tgt Ion: 82 Resp: 3196

Ion Ratio Lower Upper

82 100

128 152.6 150.0 225.0

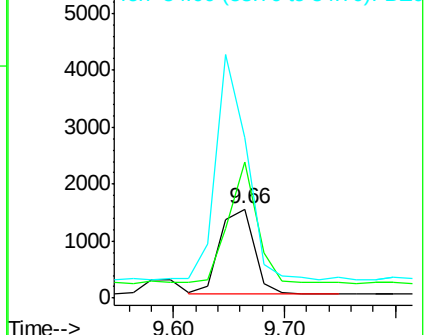
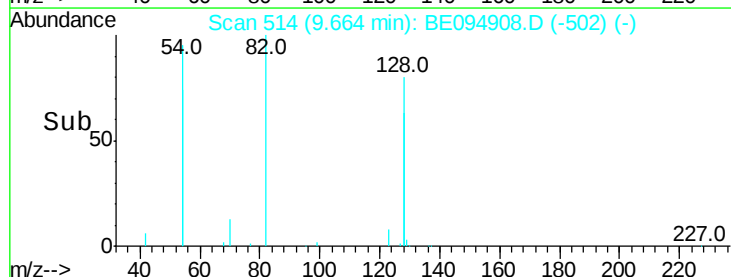
54 179.7 154.2 231.4

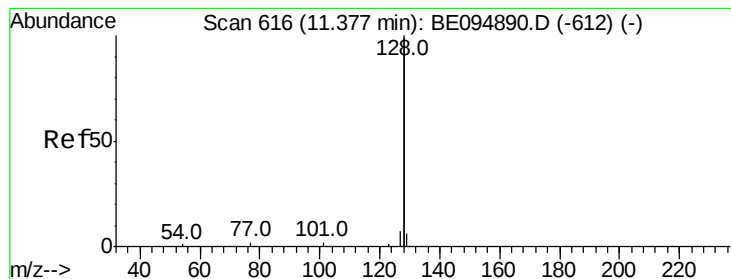


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.334 ng

RT: 11.38 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

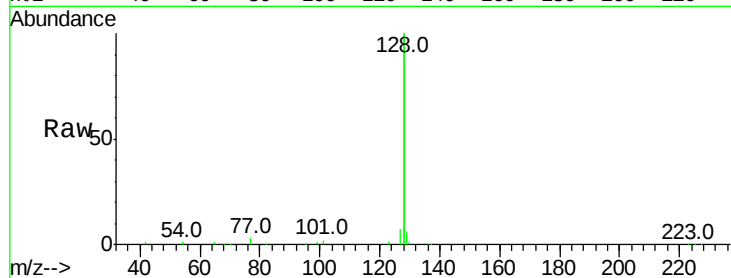
Tot Ion:128 Resp: 63733

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

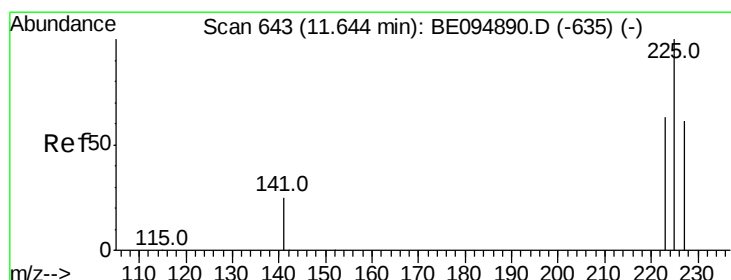
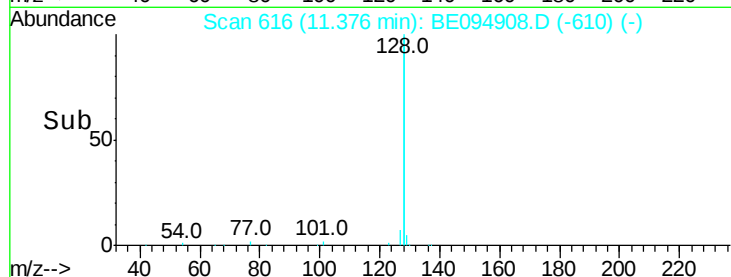
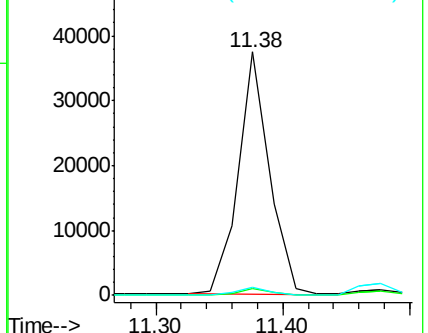
127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.344 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

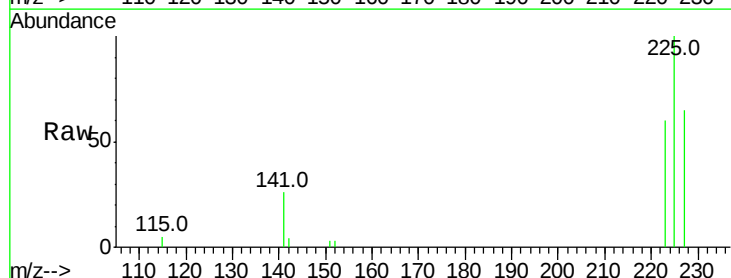
Tgt Ion:225 Resp: 2771

Ion Ratio Lower Upper

225 100

223 62.5 53.0 79.6

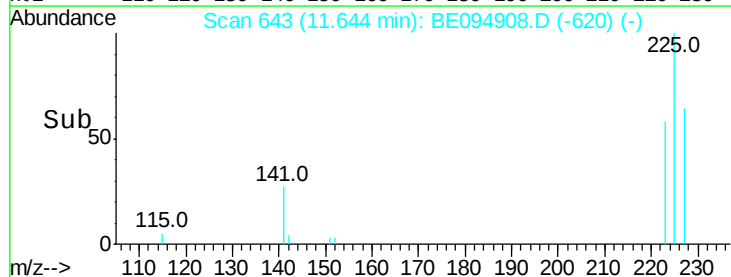
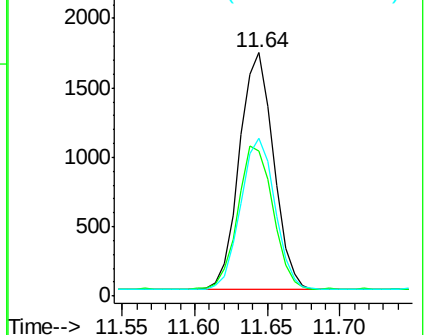
227 64.8 51.4 77.2

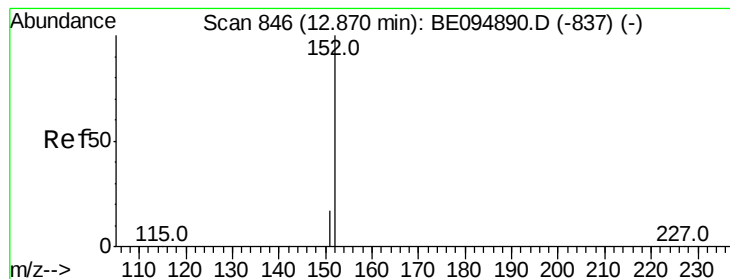


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.262 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

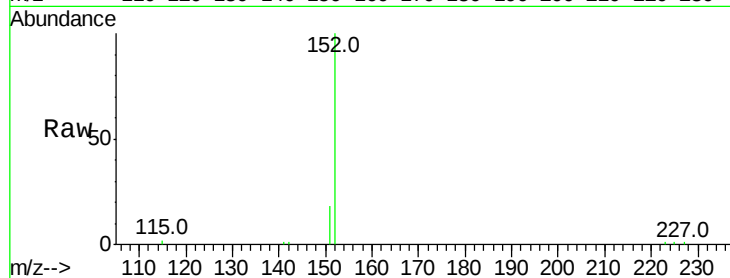
PB104512BSD

Tot Ion:152 Resp: 6802

Ion Ratio Lower Upper

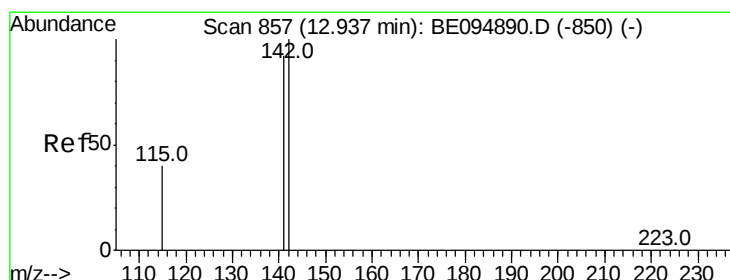
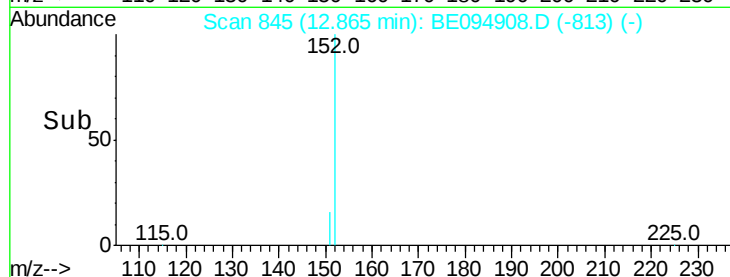
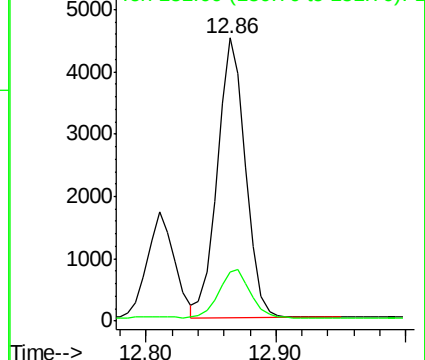
152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.323 ng

RT: 12.94 min Scan# 857

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

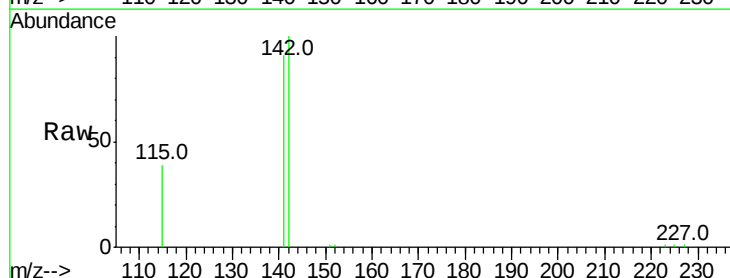
Tgt Ion:142 Resp: 15323

Ion Ratio Lower Upper

142 100

141 90.6 70.4 105.6

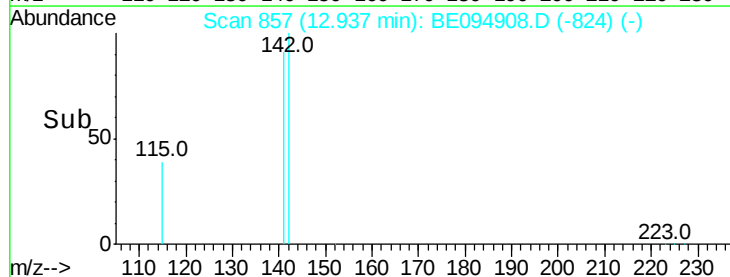
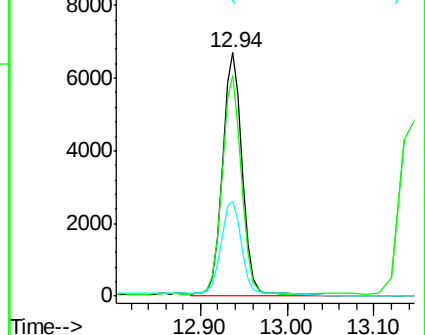
115 39.3 31.7 47.5

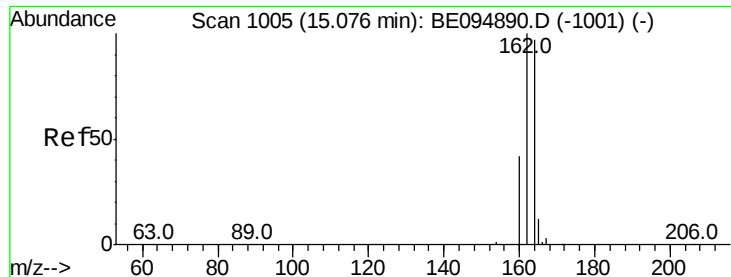


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

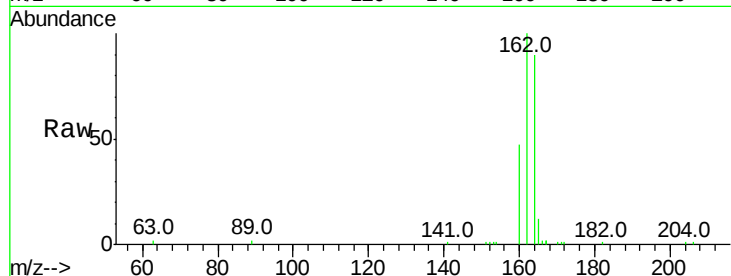
Tot Ion:164 Resp: 7829

Ion Ratio Lower Upper

164 100

162 111.2 83.1 124.7

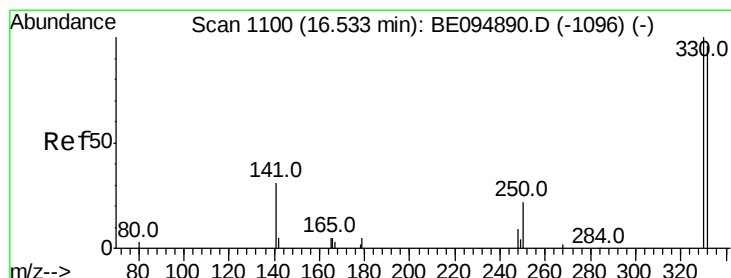
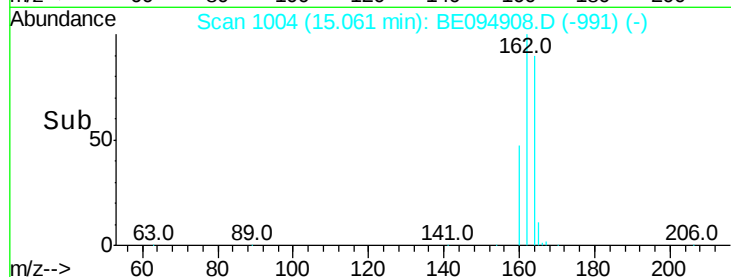
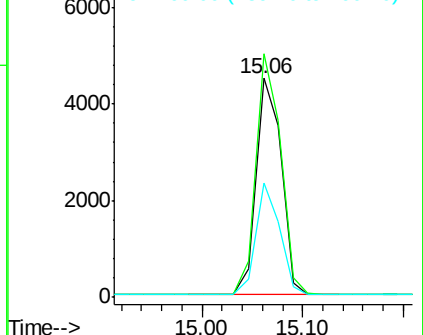
160 52.5 37.1 55.7



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: 0.242 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

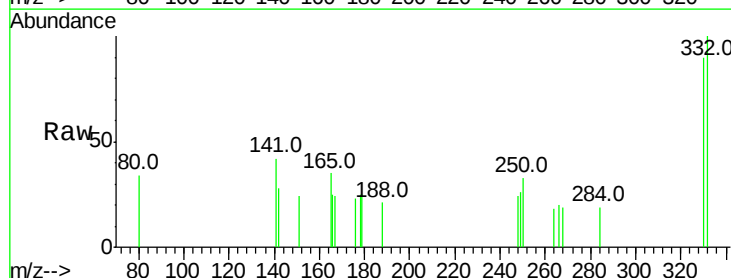
Tgt Ion:330 Resp: 281

Ion Ratio Lower Upper

330 100

332 117.1 152.7 229.1#

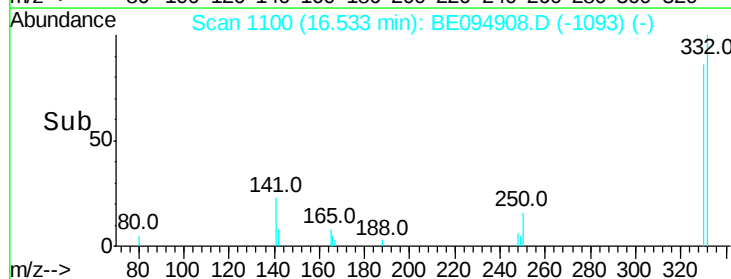
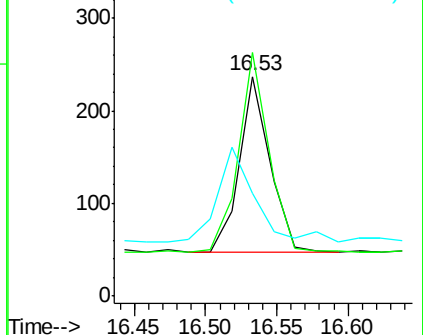
141 69.8 33.7 50.5#

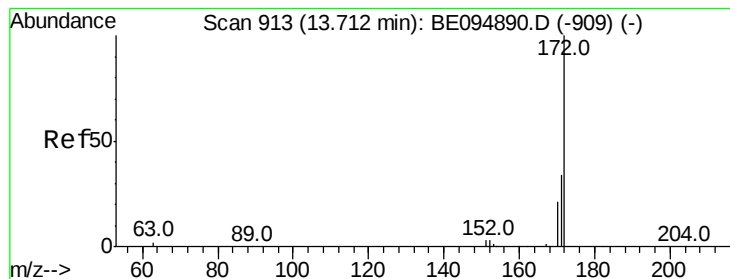


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.291 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

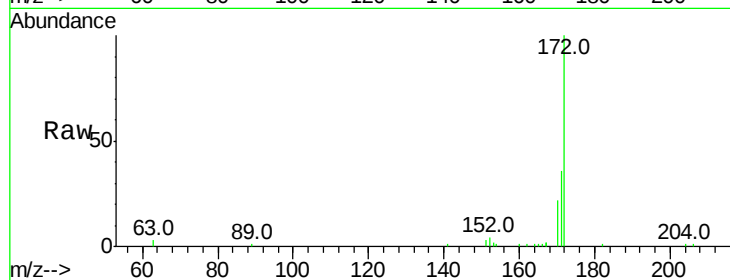
BNA_E

ClientSampleId :

PB104512BSD

Tot Ion:172 Resp: 9750

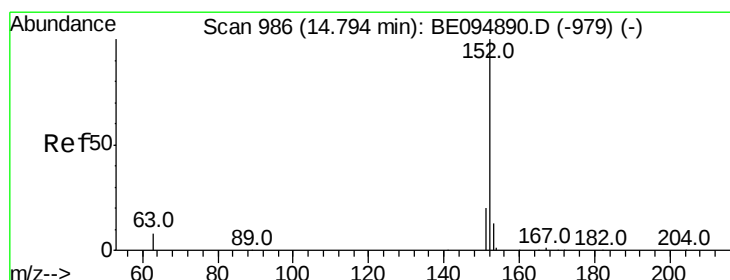
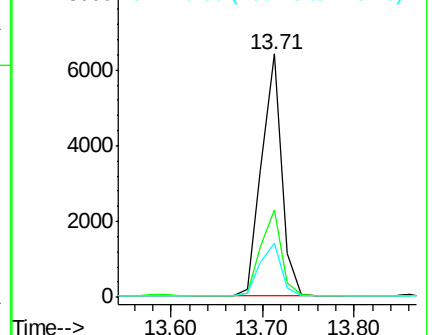
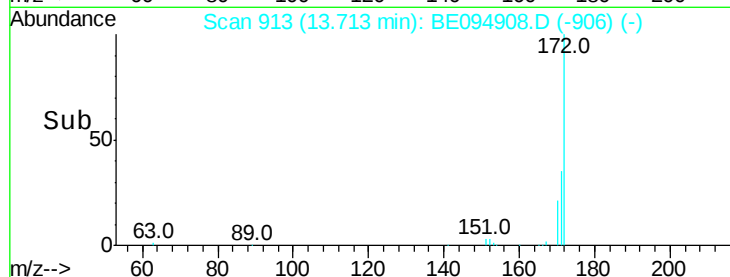
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	22.1	21.8	32.8



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: 0.313 ng

RT: 14.79 min Scan# 986

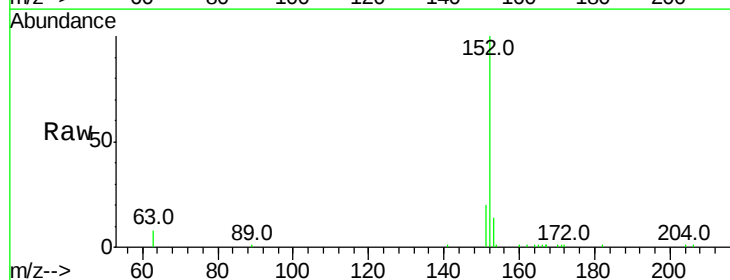
Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Tgt Ion:152 Resp: 13866

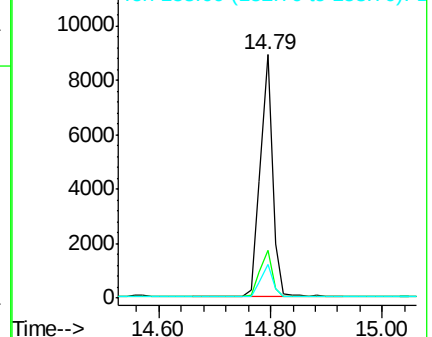
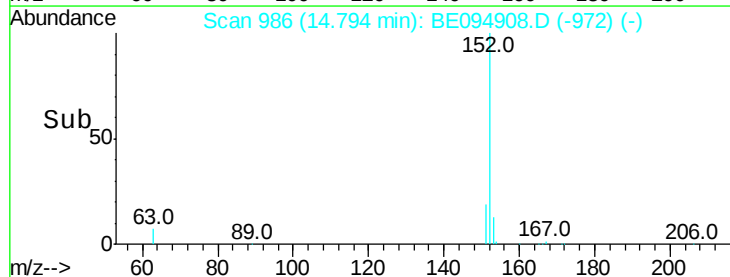
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.2	10.5	15.7

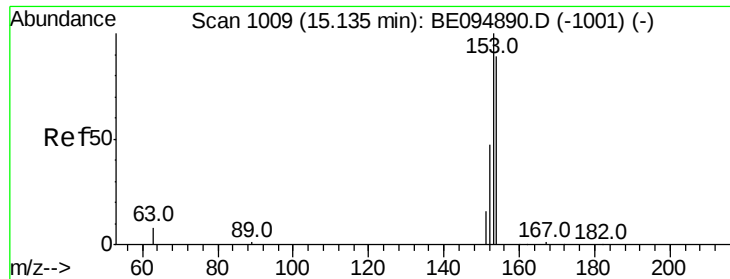


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

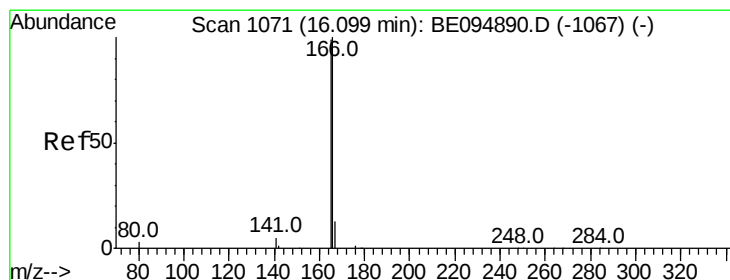
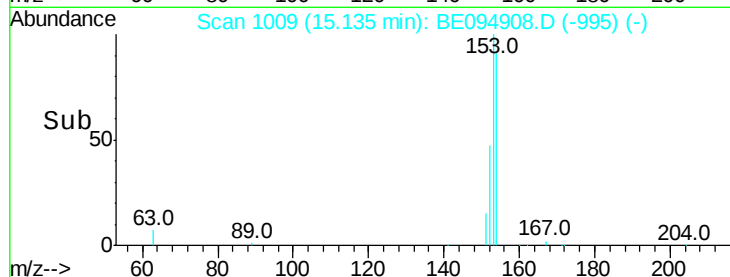
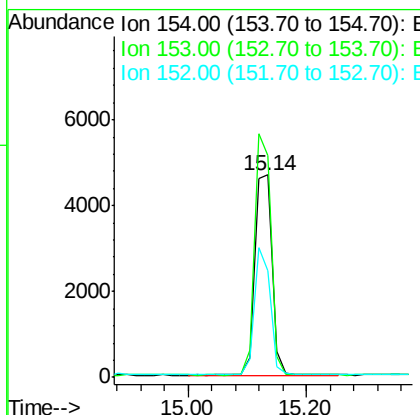
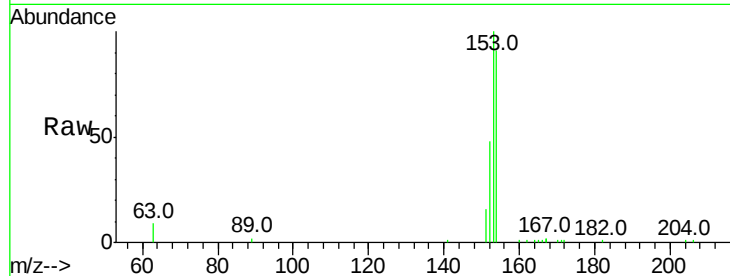




#17
Acenaphthene
Concen: 0.322 ng
RT: 15.14 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE094908.D
Acq: 1 Dec 2017 17:02

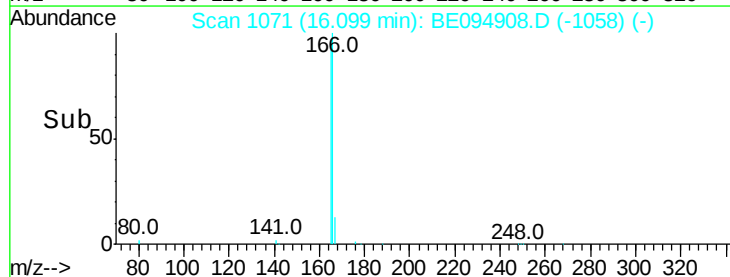
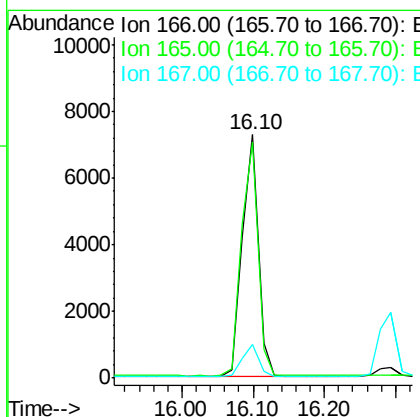
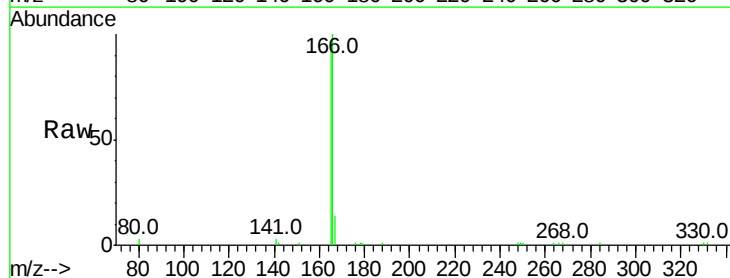
Instrument :
BNA_E
ClientSampleId :
PB104512BSD

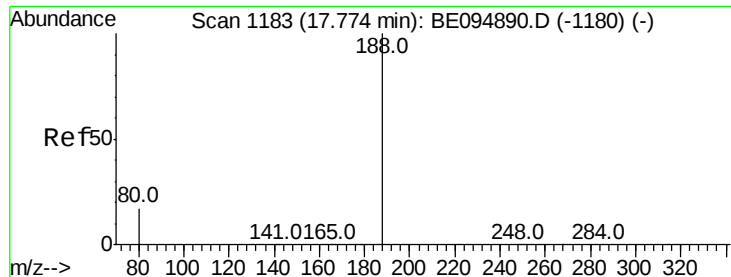
Tot Ion:154 Resp: 9218
Ion Ratio Lower Upper
154 100
153 113.9 89.2 133.8
152 58.8 42.0 63.0



#18
Fluorene
Concen: 0.314 ng
RT: 16.10 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE094908.D
Acq: 1 Dec 2017 17:02

Tgt Ion:166 Resp: 11406
Ion Ratio Lower Upper
166 100
165 100.3 77.8 116.6
167 13.2 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

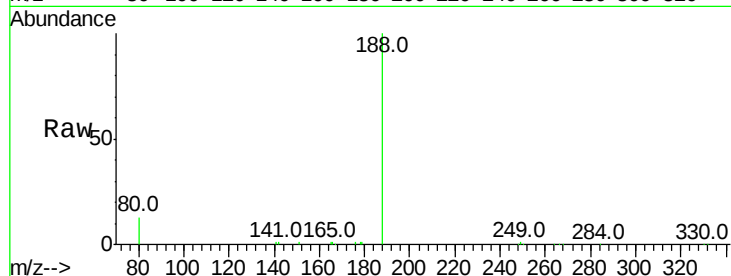
Tot Ion:188 Resp: 18348

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

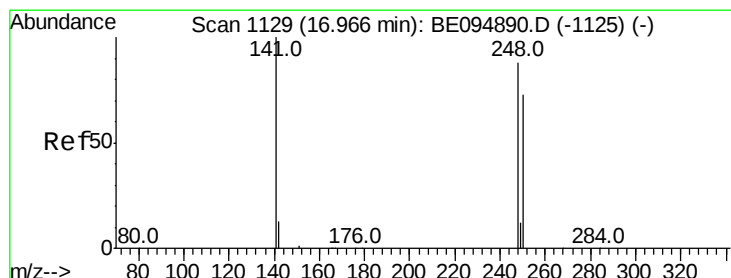
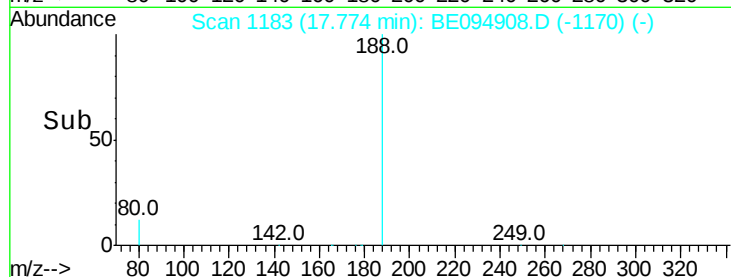
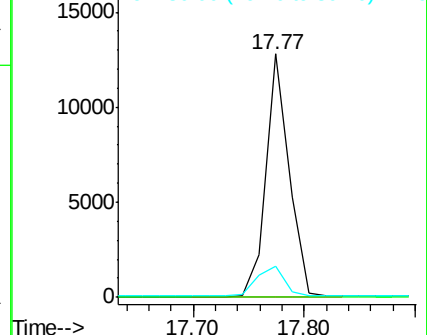
80 13.0 3.6 5.4#



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: 0.336 ng

RT: 16.97 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

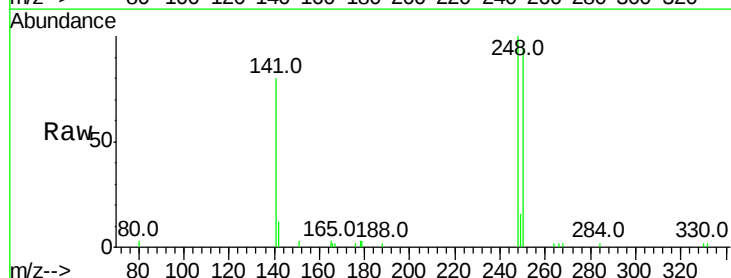
Tgt Ion:248 Resp: 3441

Ion Ratio Lower Upper

248 100

250 93.8 62.7 94.1

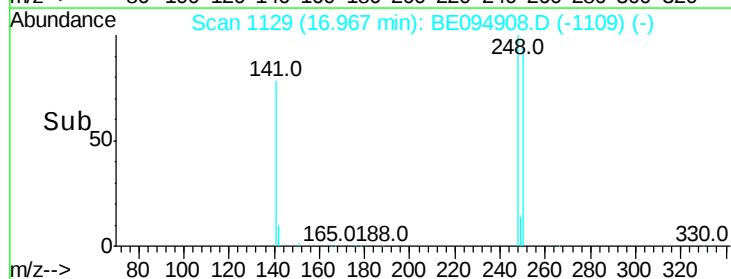
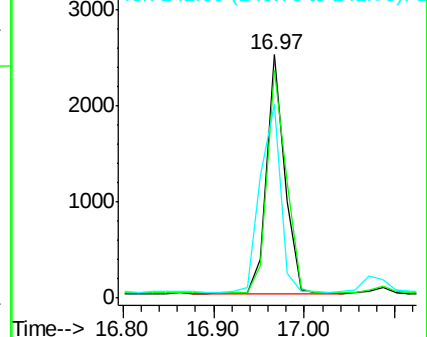
141 79.7 48.2 72.2#

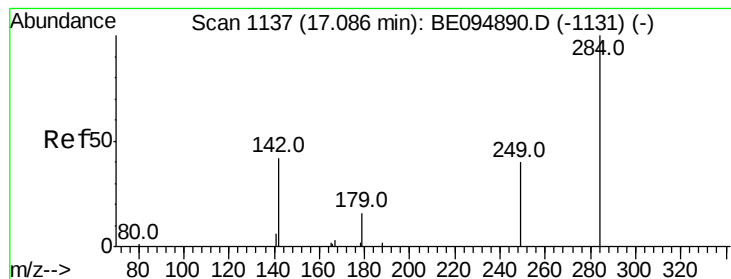


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.338 ng

RT: 17.09 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

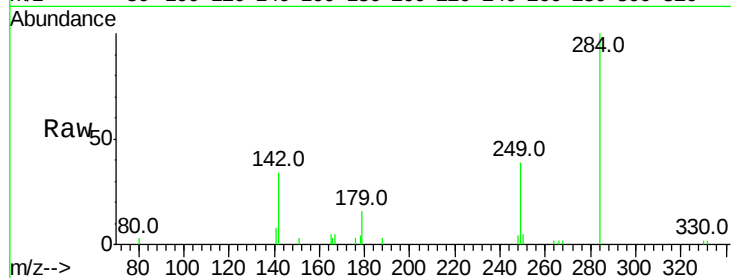
Tot Ion:284 Resp: 3377

Ion Ratio Lower Upper

284 100

142 46.4 22.1 33.1#

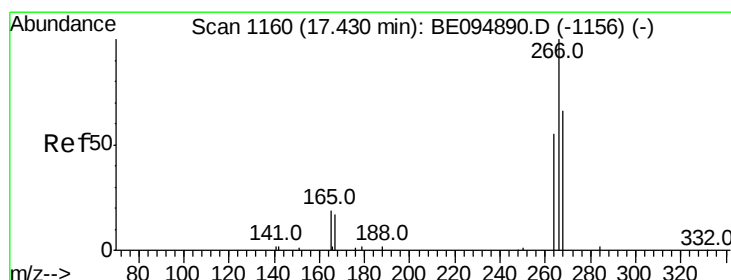
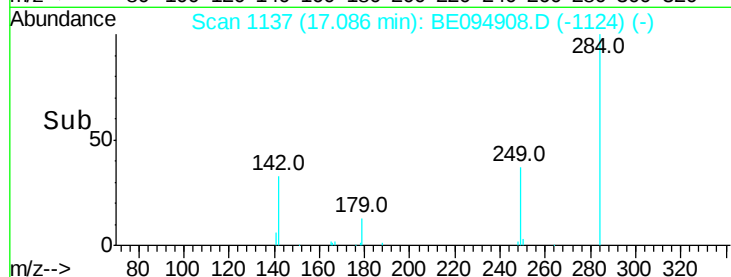
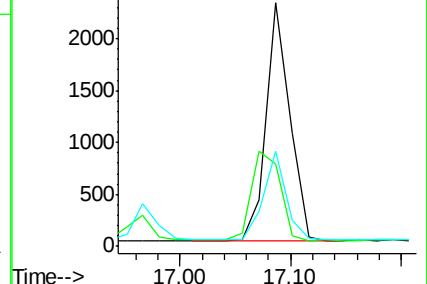
249 35.8 34.8 52.2



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: 0.450 ng

RT: 17.42 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

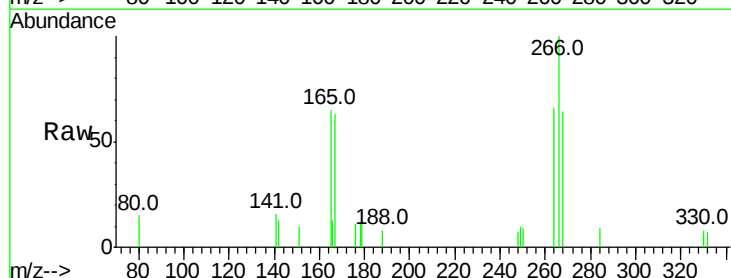
Tgt Ion:266 Resp: 1046

Ion Ratio Lower Upper

266 100

264 65.7 72.5 108.7#

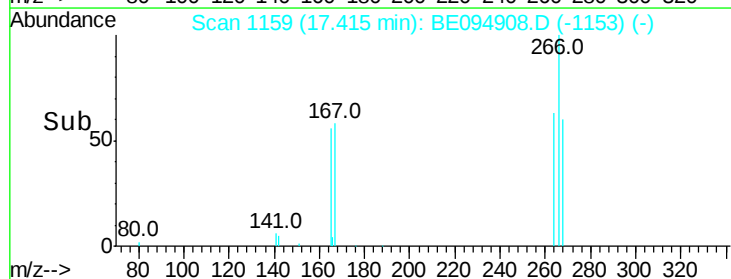
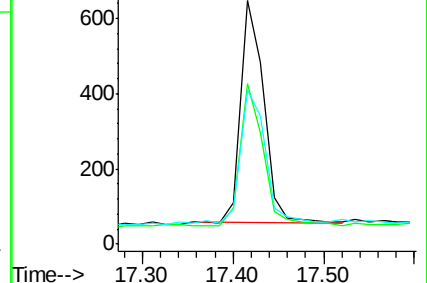
268 63.5 73.8 110.6#

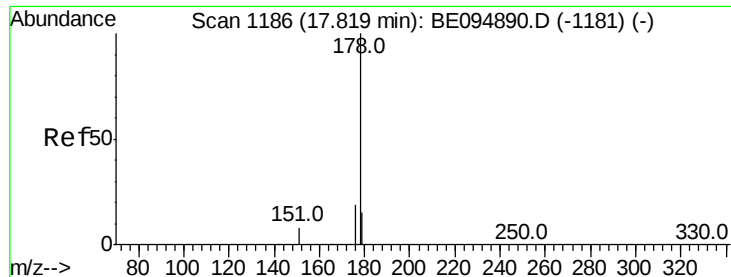


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.333 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

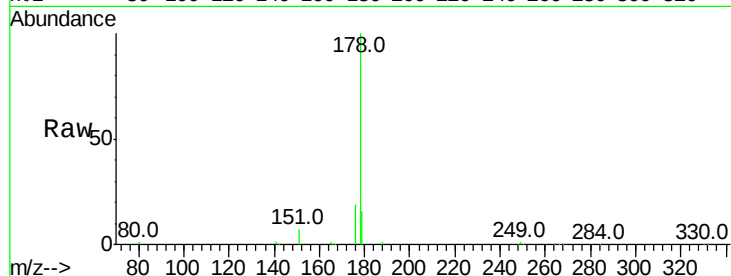
Tot Ion:178 Resp: 19441

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

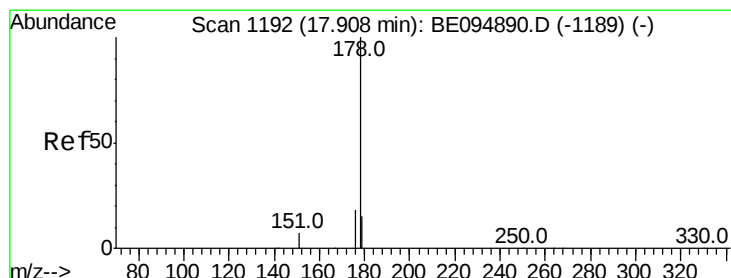
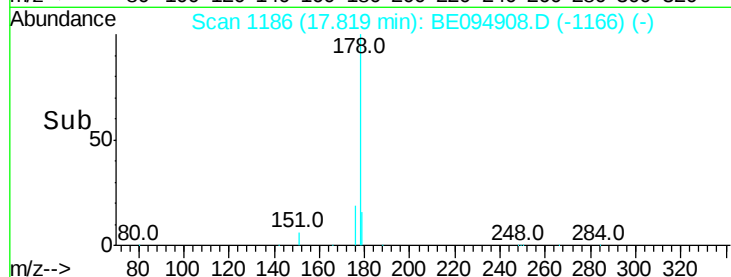
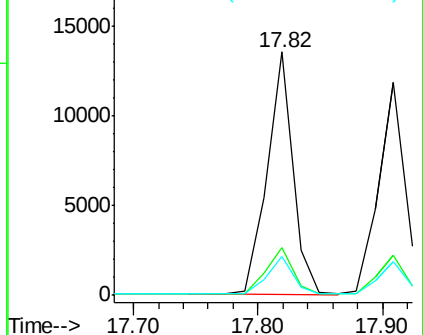
179 16.3 11.8 17.6



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: 0.323 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

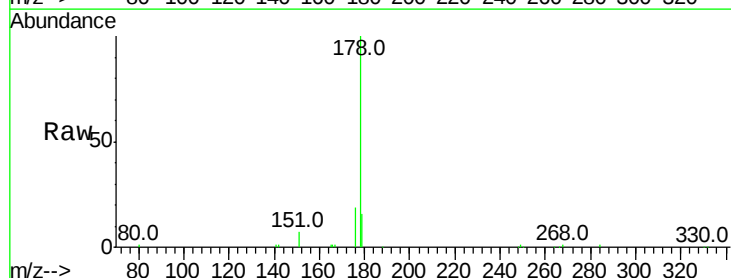
Tgt Ion:178 Resp: 20020

Ion Ratio Lower Upper

178 100

176 21.0 12.8 19.2#

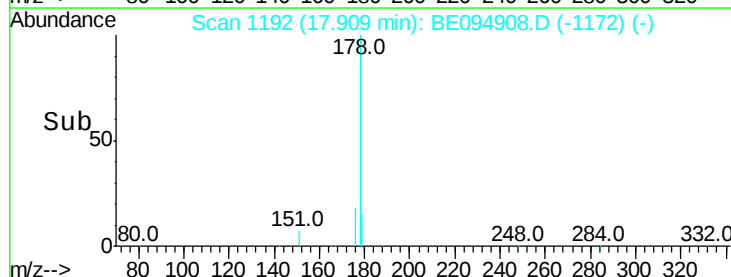
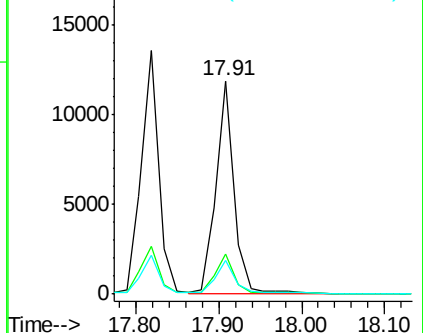
179 18.8 13.0 19.6

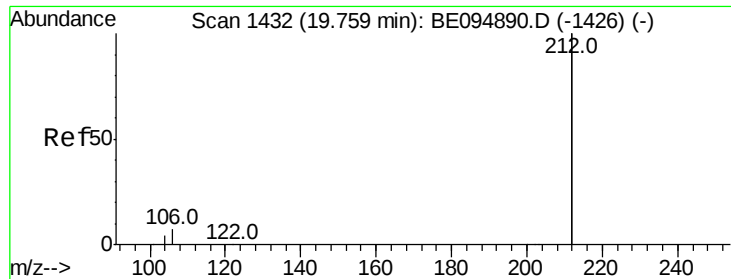


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.242 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

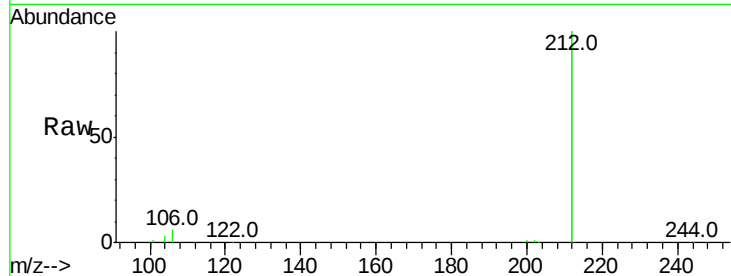
Tot Ion:212 Resp: 60570

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

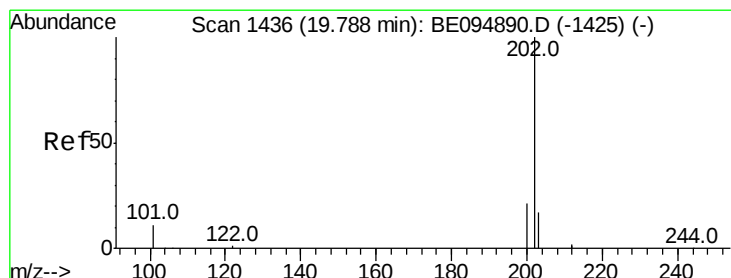
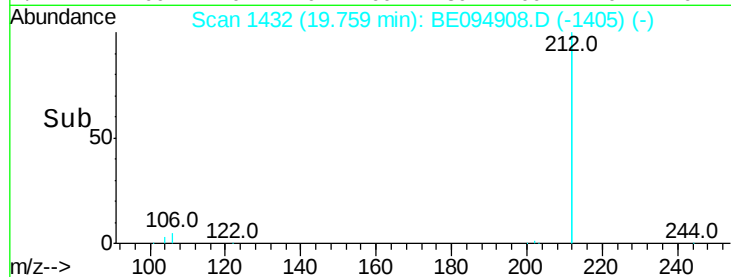
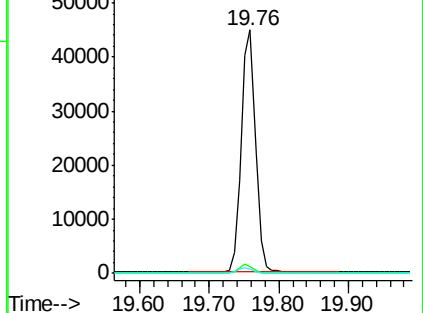
104 2.1 1.6 2.4



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: 0.305 ng

RT: 19.78 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

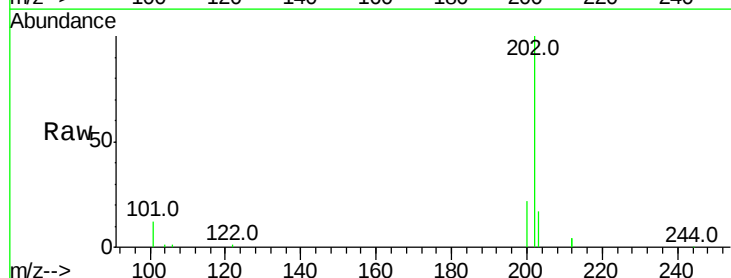
Tgt Ion:202 Resp: 22952

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.8

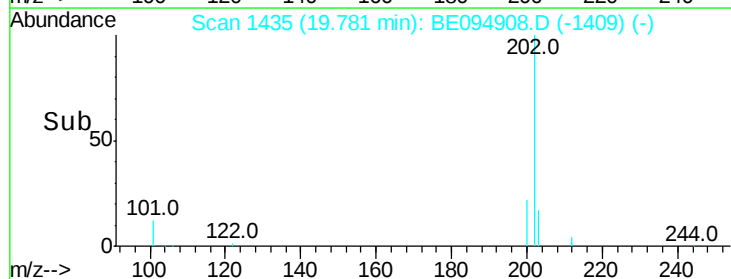
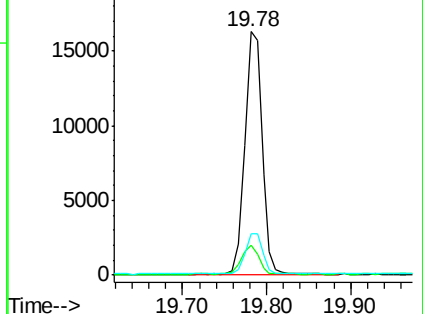
203 16.9 13.7 20.5

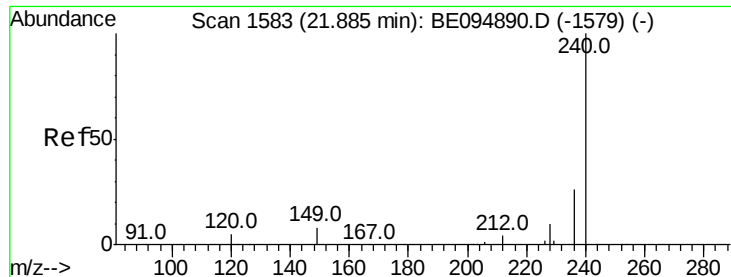


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

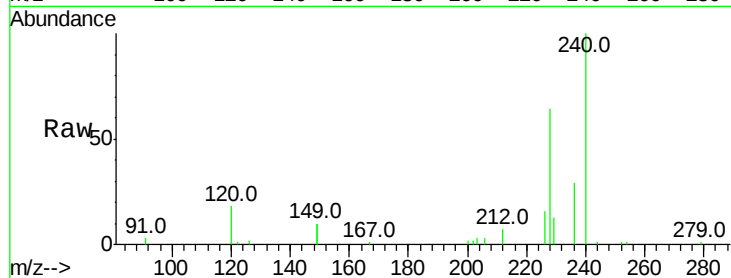
Tot Ion:240 Resp: 19272

Ion Ratio Lower Upper

240 100

120 17.9 5.5 8.3#

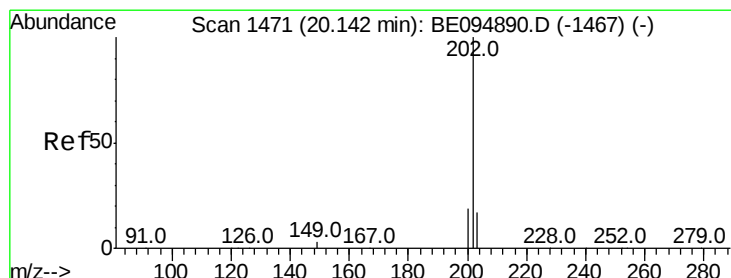
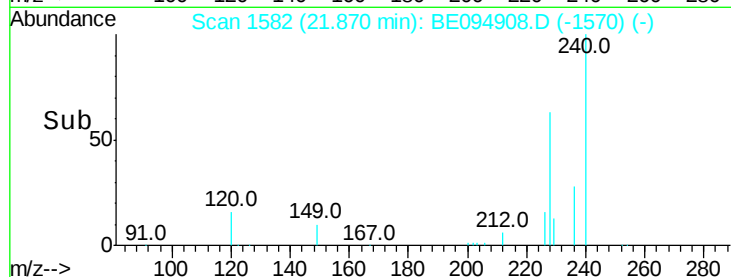
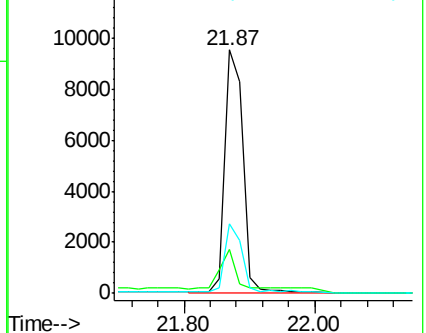
236 28.8 20.7 31.1



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: 0.409 ng

RT: 20.13 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

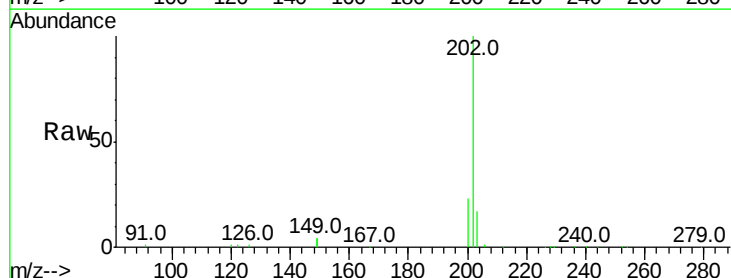
Tgt Ion:202 Resp: 27206

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

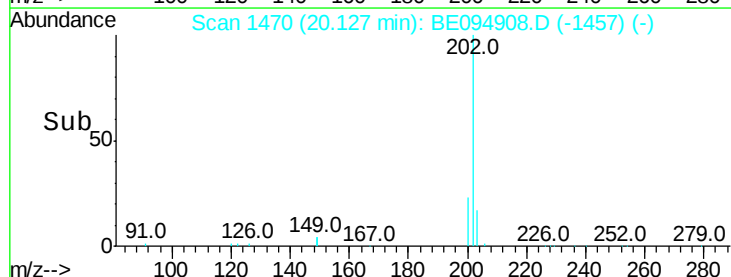
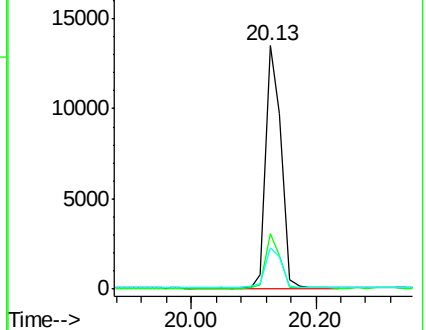
203 17.0 13.8 20.8

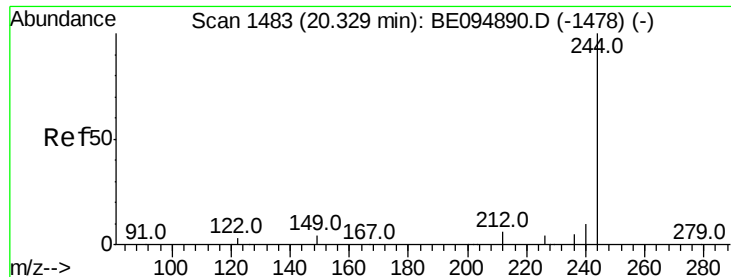


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.307 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

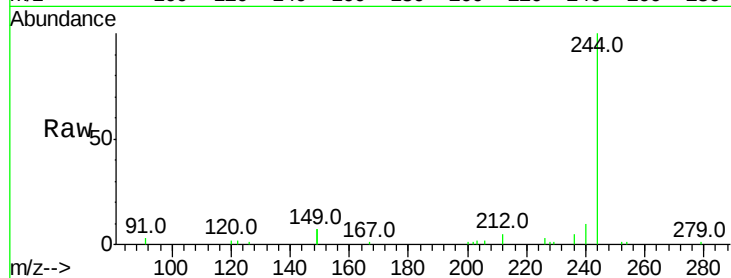
Tot Ion:244 Resp: 10913

Ion Ratio Lower Upper

244 100

212 5.1 25.4 38.0#

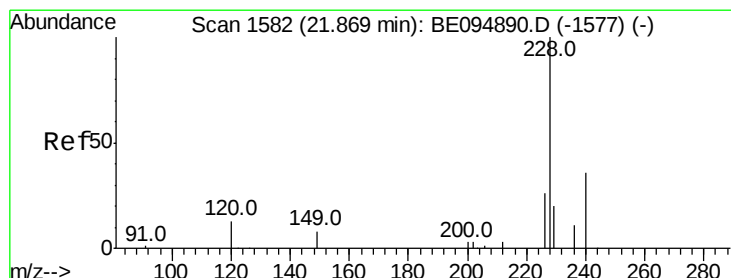
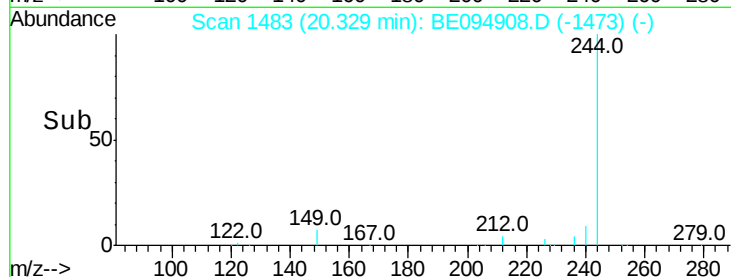
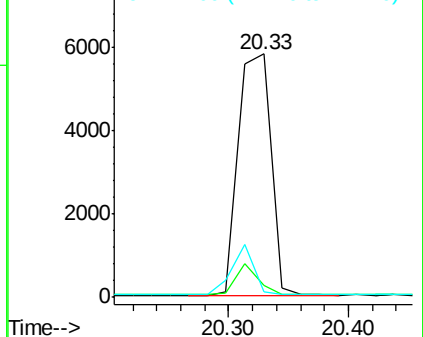
122 2.4 8.1 12.1#



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: 0.328 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

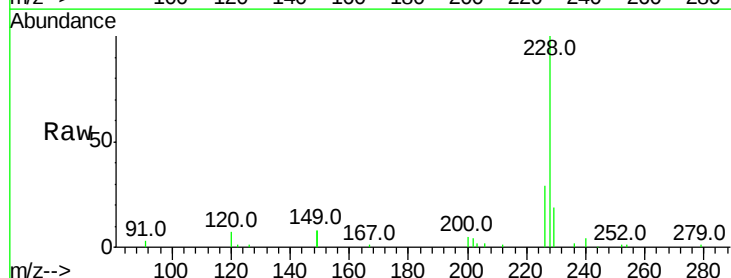
Tgt Ion:228 Resp: 19377

Ion Ratio Lower Upper

228 100

226 29.1 40.0 60.0#

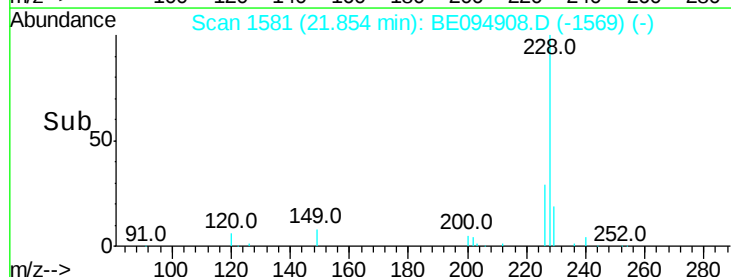
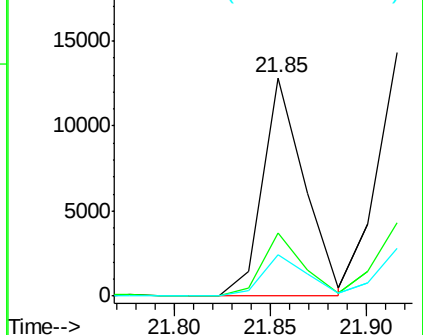
229 19.2 40.0 60.0#

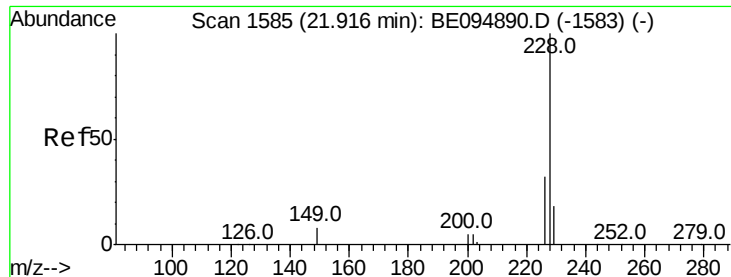


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.341 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

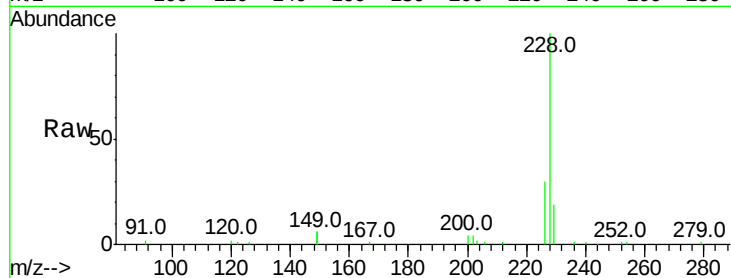
Tot Ion:228 Resp: 22265

Ion Ratio Lower Upper

228 100

226 30.2 40.0 60.0#

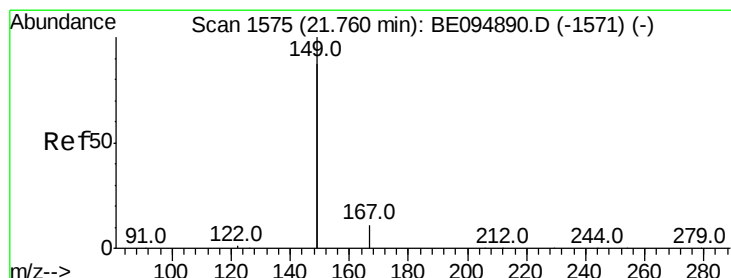
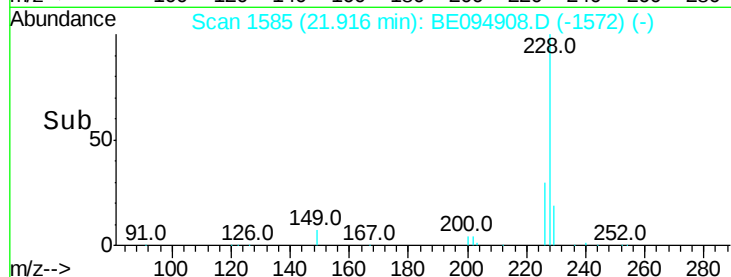
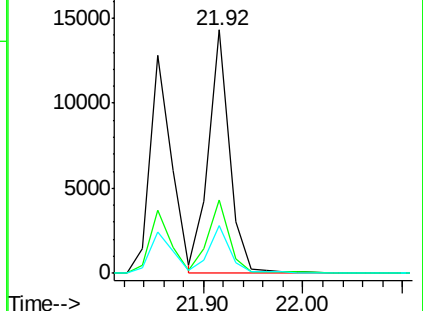
229 19.5 40.0 60.0#



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: 0.231 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

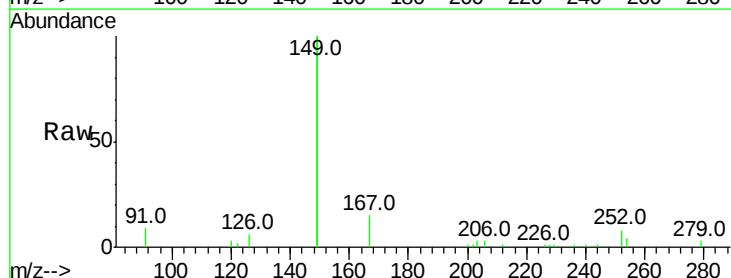
Tgt Ion:149 Resp: 22586

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

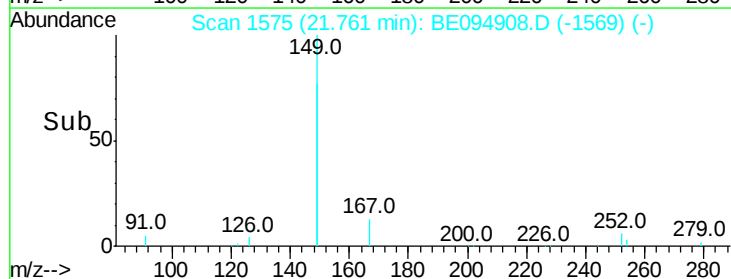
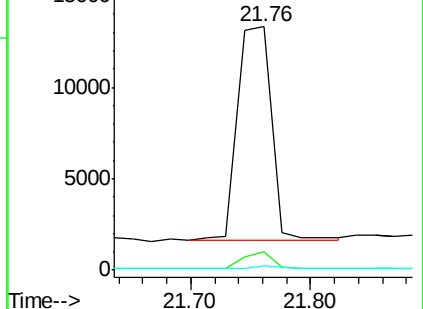
279 1.0 0.7 1.1

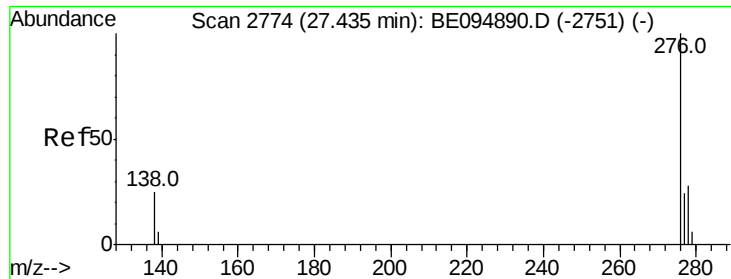


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.374 ng

RT: 27.42 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

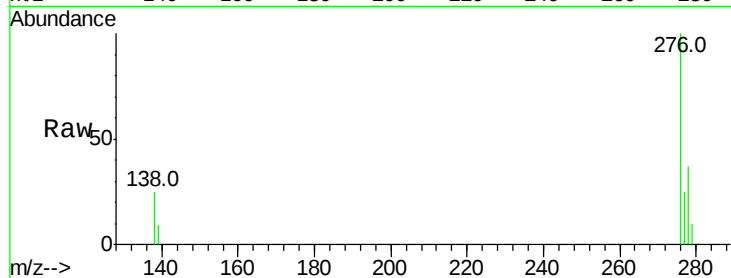
Tot Ion:276 Resp: 19961

Ion Ratio Lower Upper

276 100

138 28.4 22.5 33.7

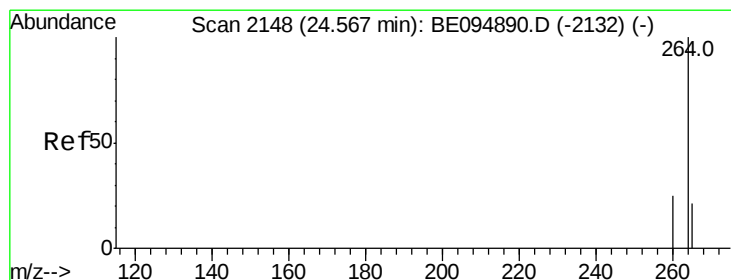
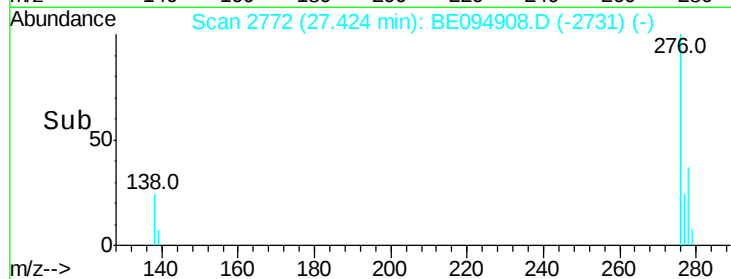
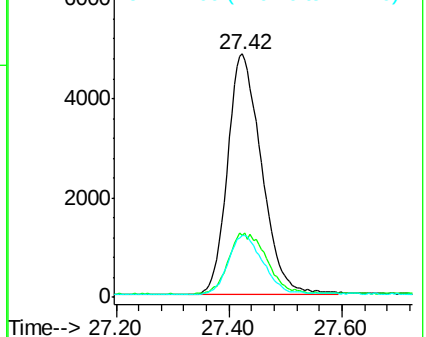
277 24.8 19.9 29.9



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: 24.56 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

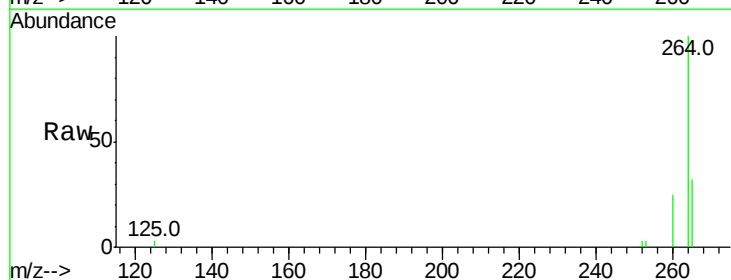
Tgt Ion:264 Resp: 15803

Ion Ratio Lower Upper

264 100

260 24.6 20.5 30.7

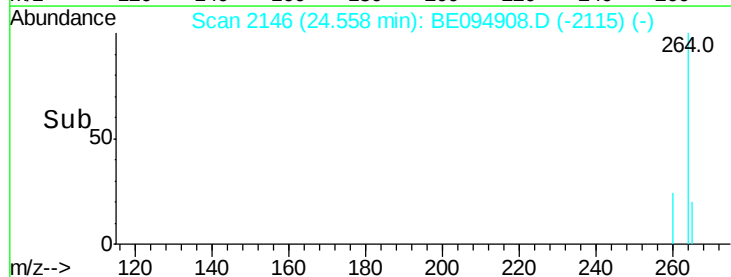
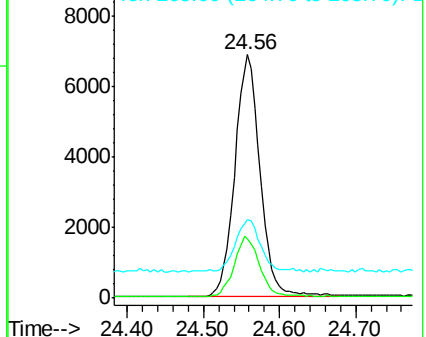
265 32.3 22.8 34.2

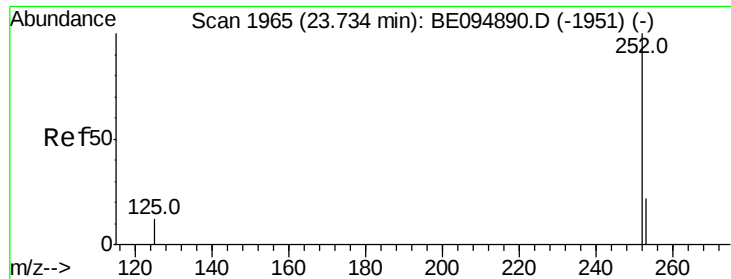


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.329 ng

RT: 23.72 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

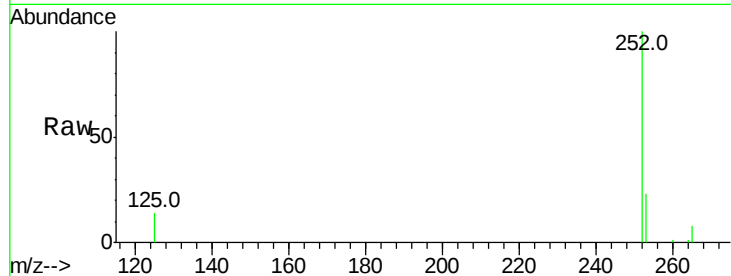
Tot Ion:252 Resp: 18965

Ion Ratio Lower Upper

252 100

253 23.2 48.0 72.0#

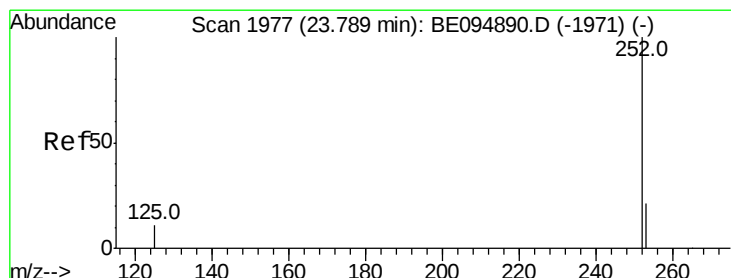
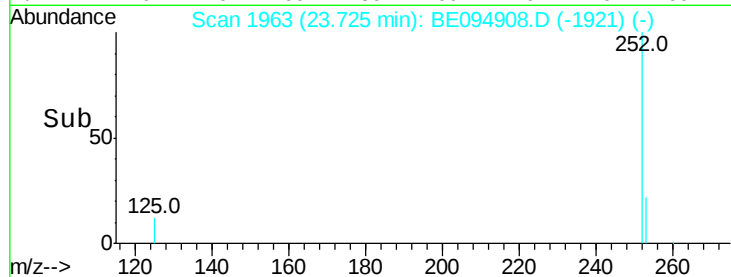
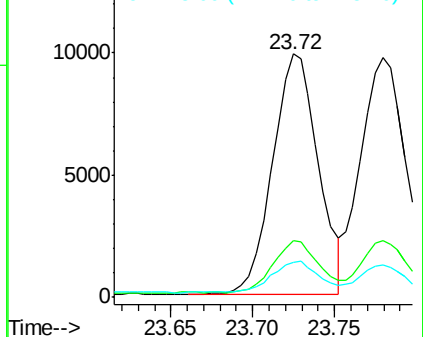
125 14.1 56.0 84.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.324 ng

RT: 23.78 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

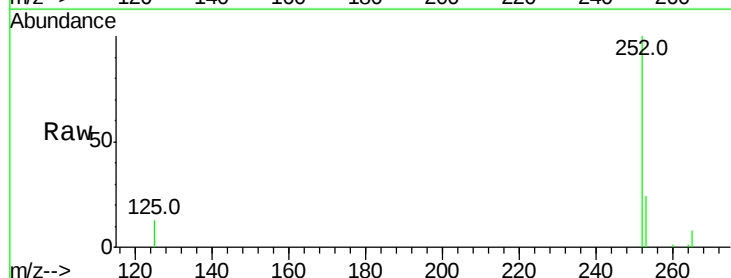
Tgt Ion:252 Resp: 19050

Ion Ratio Lower Upper

252 100

253 23.8 48.0 72.0#

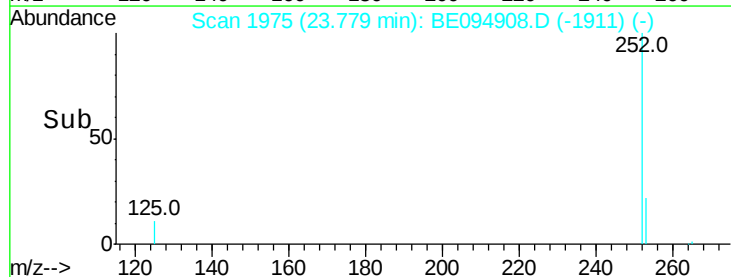
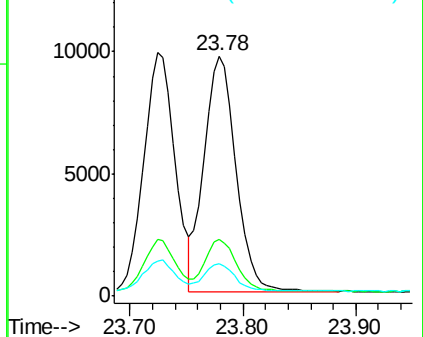
125 13.4 56.0 84.0#

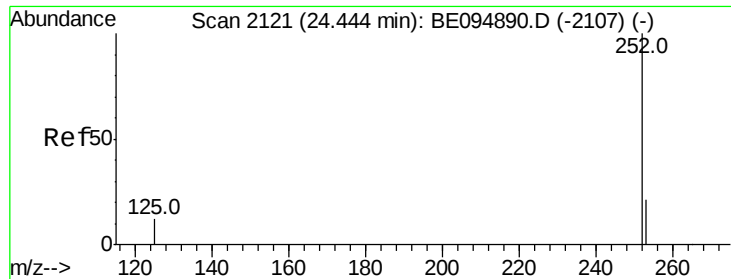


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.333 ng

RT: 24.44 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

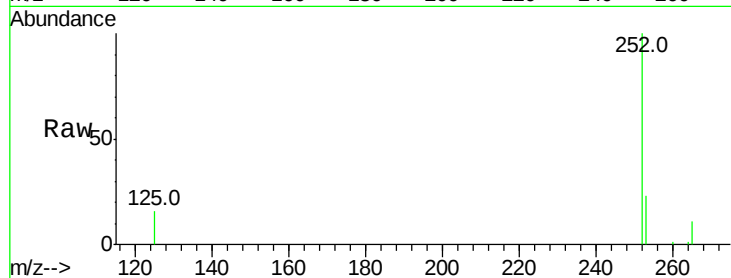
Tot Ion:252 Resp: 16829

Ion Ratio Lower Upper

252 100

253 22.6 52.0 78.0#

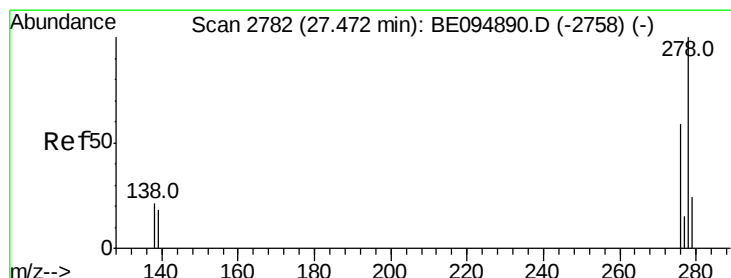
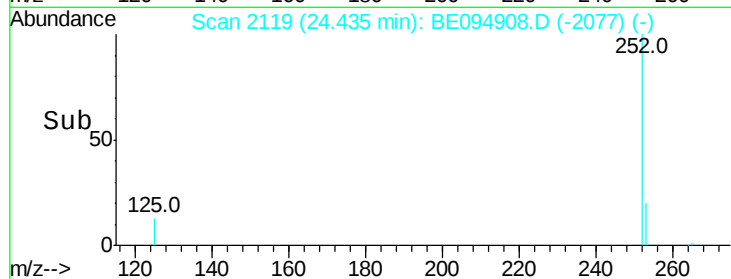
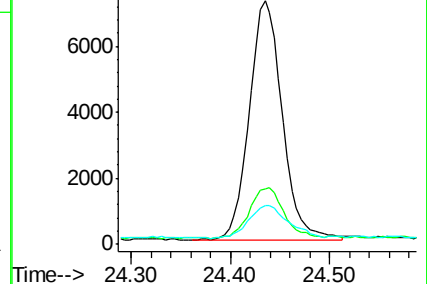
125 16.0 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.356 ng

RT: 27.46 min Scan# 2779

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

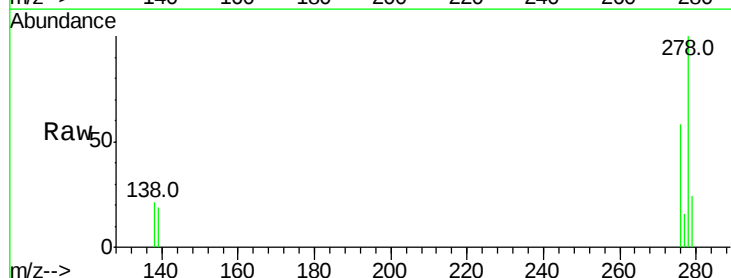
Tgt Ion:278 Resp: 16635

Ion Ratio Lower Upper

278 100

139 19.3 56.0 84.0#

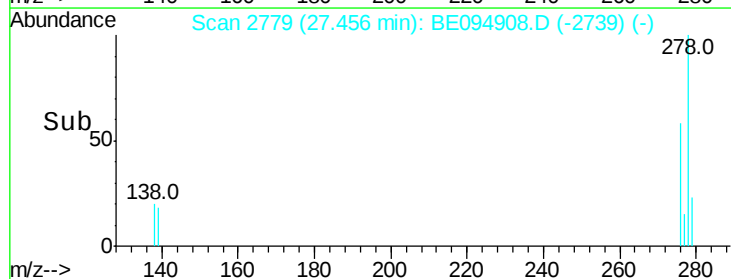
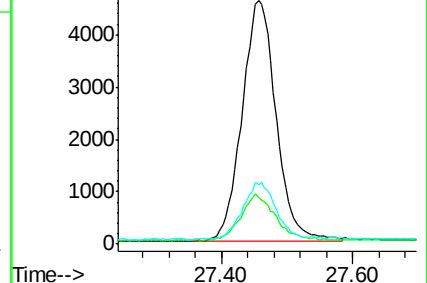
279 24.2 52.0 78.0#

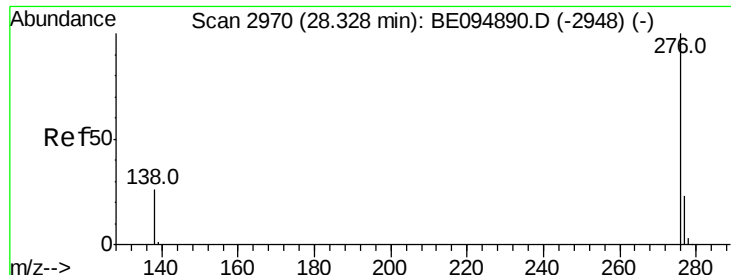


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.371 ng

RT: 28.31 min Scan# 2966

Delta R.T. -0.02 min

Lab File: BE094908.D

Acq: 1 Dec 2017 17:02

Instrument :

BNA_E

ClientSampleId :

PB104512BSD

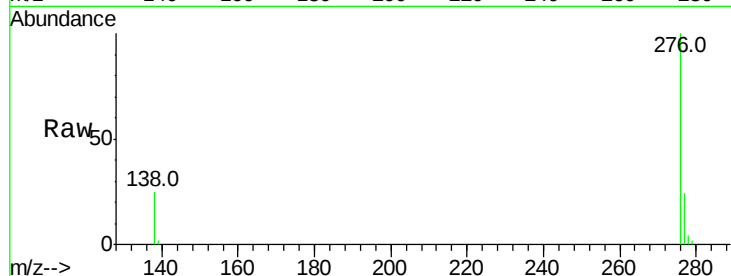
Tot Ion:276 Resp: 17312

Ion Ratio Lower Upper

276 100

277 24.1 52.0 78.0#

138 24.8 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

