

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120117\
 Data File : BE094907.D
 Acq On : 1 Dec 2017 16:26
 Operator : SJ/JU
 Sample : PB104512BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104512BS

Quant Time: Dec 02 00:35:42 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	8218	0.40	ng	-0.01
7) Naphthalene-d8	11.33	136	16291	0.40	ng	0.00
13) Acenaphthene-d10	15.07	164	7754	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	18053	0.40	ng	0.00
27) Chrysene-d12	21.89	240	18880	0.40	ng	0.00
34) Perylene-d12	24.56	264	15673	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	3814	0.29	ng	0.00
5) Phenol-d6	7.59	99	5467	0.28	ng	0.00
8) Nitrobenzene-d5	9.67	82	3843	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	8019	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	365	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	11753	0.35	ng	0.00
25) Fluoranthene-d10	19.76	212	71407	0.29	ng	0.00
29) Terphenyl-d14	20.33	244	13330	0.38	ng	0.00

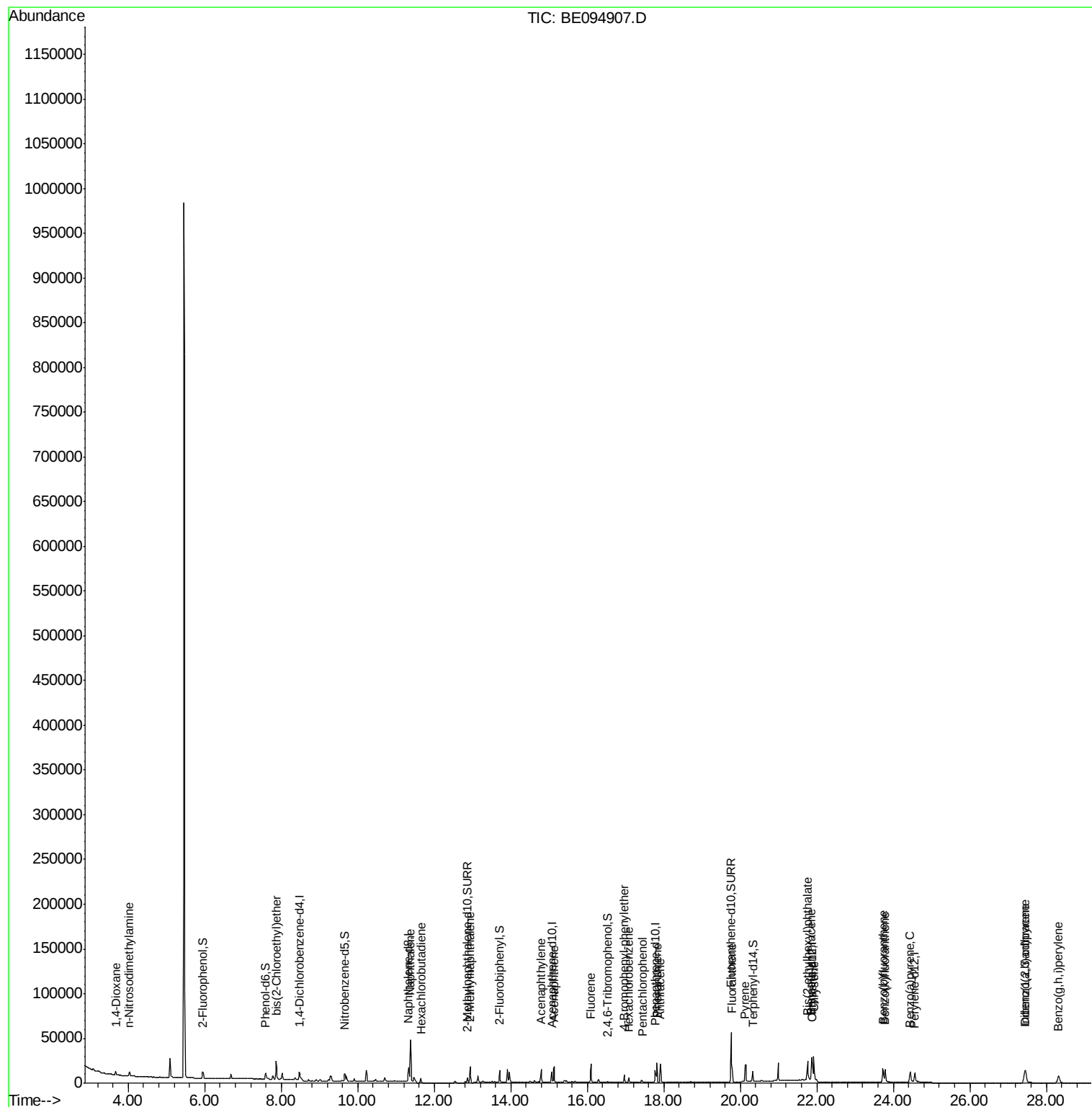
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.68	88	2569	0.30	ng	# 18
3) n-Nitrosodimethylamine	4.02	42	3710	0.34	ng	88
6) bis(2-Chloroethyl)ether	7.87	93	6724	0.35	ng	98
9) Naphthalene	11.38	128	73175	0.38	ng	99
10) Hexachlorobutadiene	11.64	225	3148	0.39	ng	98
12) 2-Methylnaphthalene	12.94	142	17284	0.36	ng	98
16) Acenaphthylene	14.79	152	15967	0.36	ng	100
17) Acenaphthene	15.13	154	10380	0.37	ng	96
18) Fluorene	16.10	166	13262	0.37	ng	# 78
20) 4-Bromophenyl-phenylether	16.97	248	3879	0.39	ng	# 68
21) Hexachlorobenzene	17.08	284	3850	0.39	ng	# 79
22) Pentachlorophenol	17.43	266	1318	0.54	ng	# 74
23) Phenanthrene	17.82	178	22087	0.38	ng	98
24) Anthracene	17.91	178	23206	0.38	ng	# 91
26) Fluoranthene	19.79	202	25864	0.35	ng	99
28) Pyrene	20.13	202	25887	0.40	ng	# 94
30) Benzo(a)anthracene	21.85	228	22058	0.38	ng	# 61
31) Chrysene	21.92	228	24869	0.39	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.76	149	26836	0.28	ng	99
33) Indeno(1,2,3-cd)pyrene	27.43	276	23077	0.44	ng	99
35) Benzo(b)fluoranthene	23.73	252	21996	0.38	ng	# 41
36) Benzo(k)fluoranthene	23.78	252	21007	0.36	ng	# 40
37) Benzo(a)pyrene	24.44	252	19444	0.39	ng	# 34
38) Dibenzo(a,h)anthracene	27.46	278	19355	0.42	ng	# 43
39) Benzo(g,h,i)perylene	28.32	276	19995	0.43	ng	# 55

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.01 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

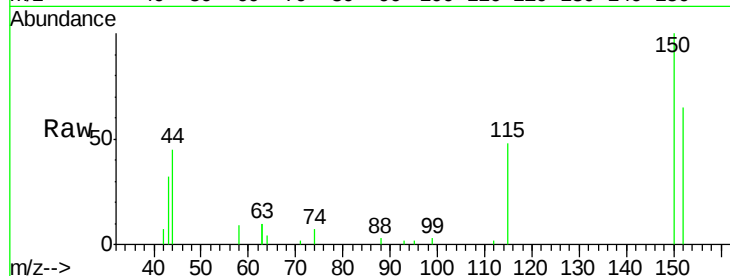
Tot Ion:152 Resp: 8218

Ion Ratio Lower Upper

152 100

150 152.8 117.2 175.8

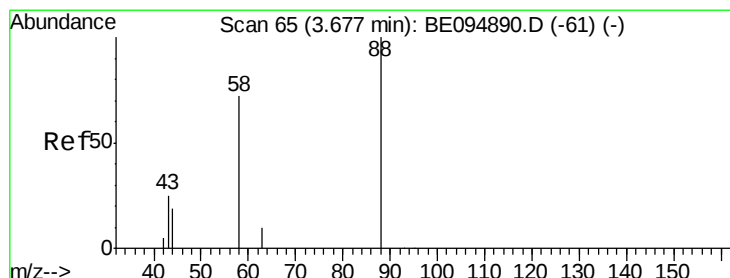
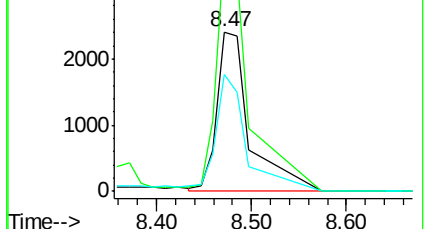
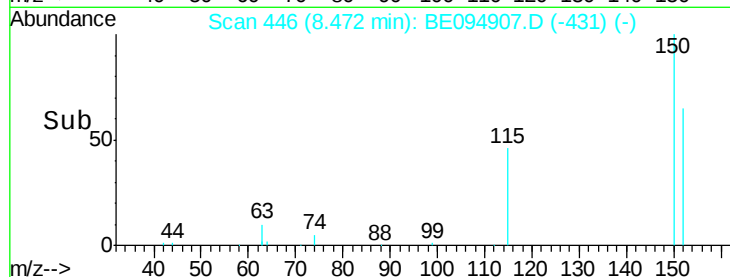
115 73.3 57.0 85.6



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: 0.30 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

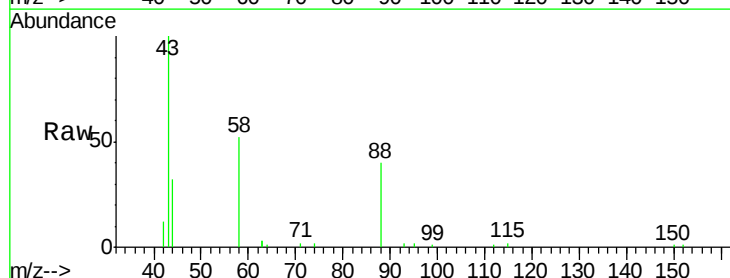
Tgt Ion: 88 Resp: 2569

Ion Ratio Lower Upper

88 100

58 114.8 63.2 94.8#

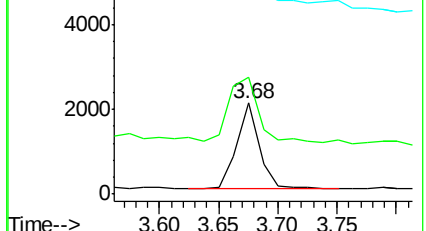
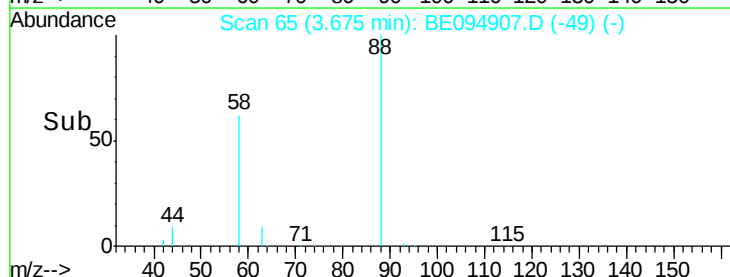
43 153.7 41.2 61.8#

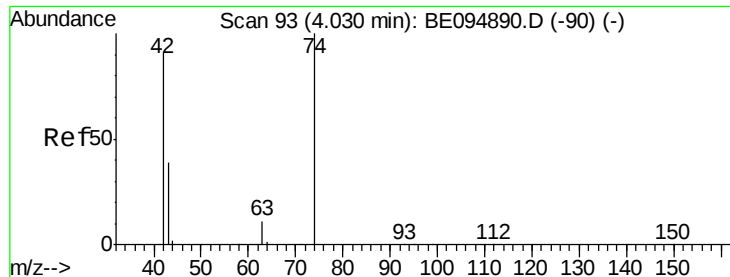


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.34 ng

RT: 4.02 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

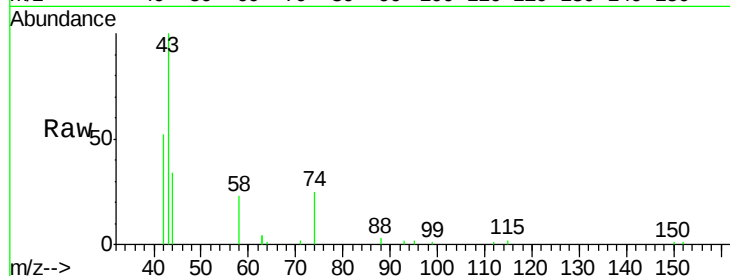
Tot Ion: 42 Resp: 3710

Ion Ratio Lower Upper

42 100

74 111.0 100.3 150.5

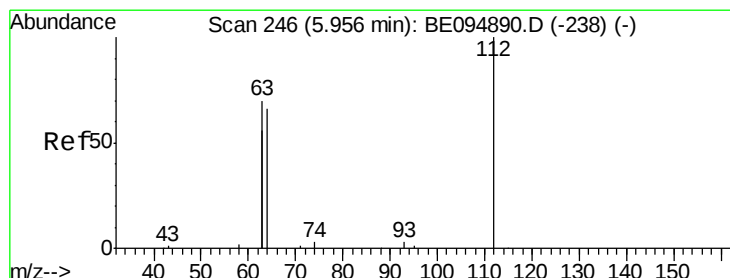
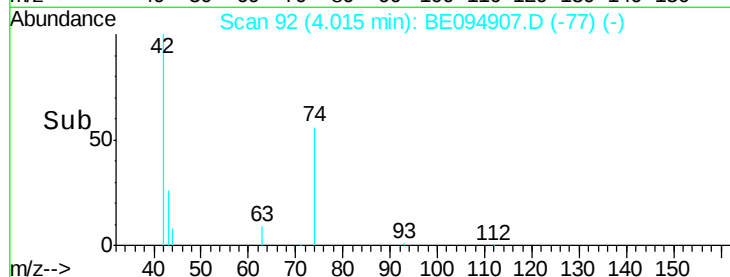
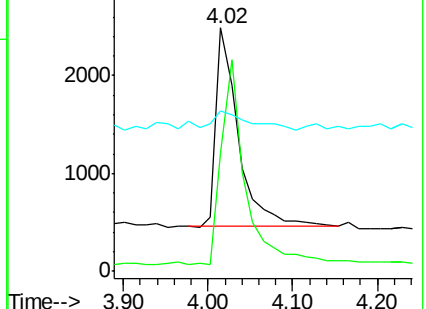
44 17.2 17.0 25.4



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: 0.29 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

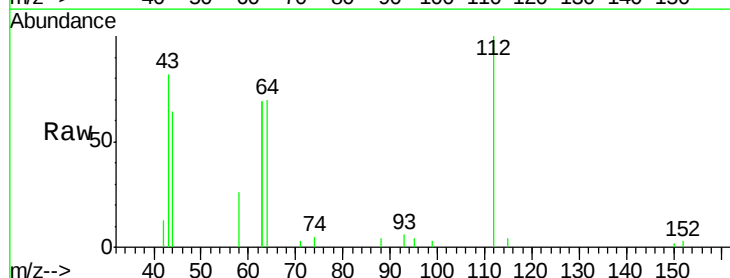
Tgt Ion: 112 Resp: 3814

Ion Ratio Lower Upper

112 100

64 83.4 60.1 90.1

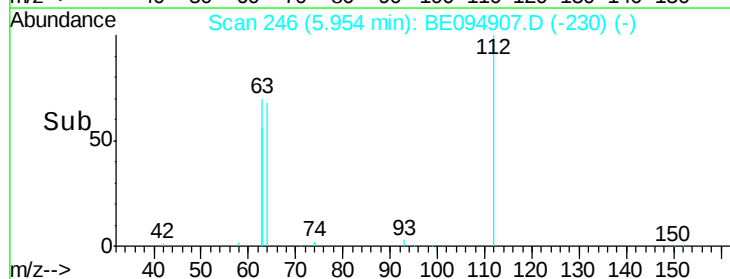
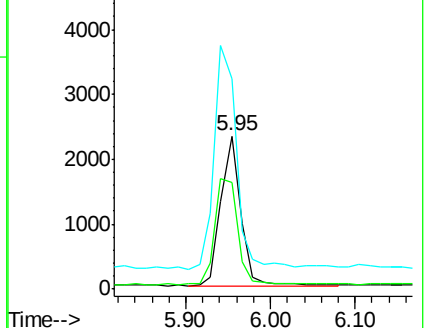
63 168.3 116.8 175.2

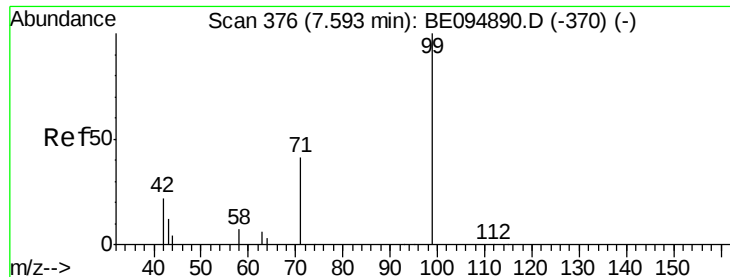


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.28 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

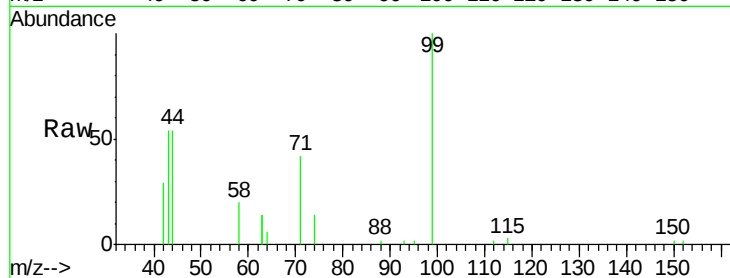
Tot Ion: 99 Resp: 5467

Ion Ratio Lower Upper

99 100

42 27.7 20.2 30.2

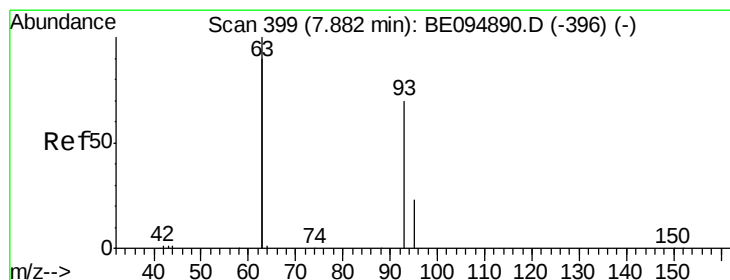
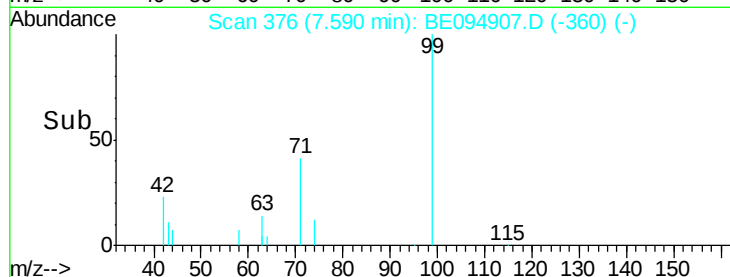
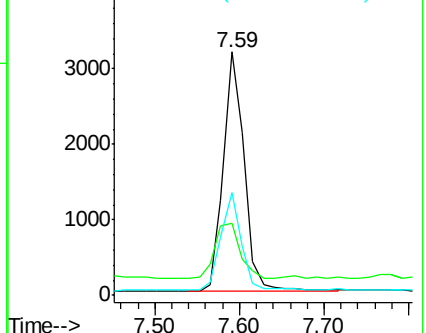
71 39.7 28.4 42.6



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: 0.35 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.01 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

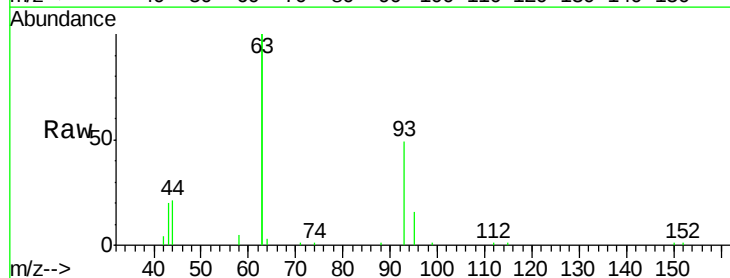
Tgt Ion: 93 Resp: 6724

Ion Ratio Lower Upper

93 100

63 348.8 275.3 412.9

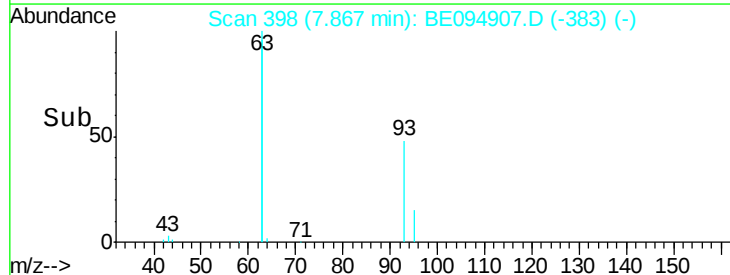
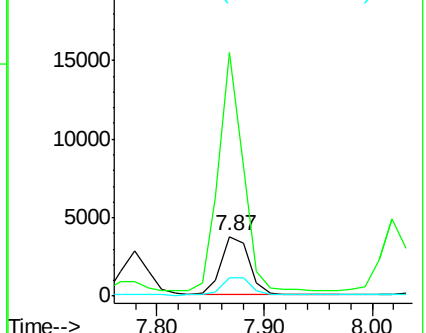
95 32.5 25.2 37.8

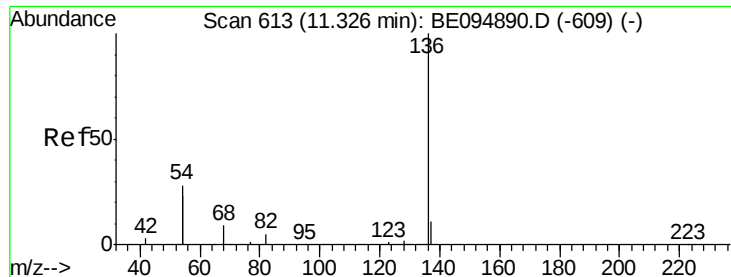


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

Tot Ion:136 Resp: 16291

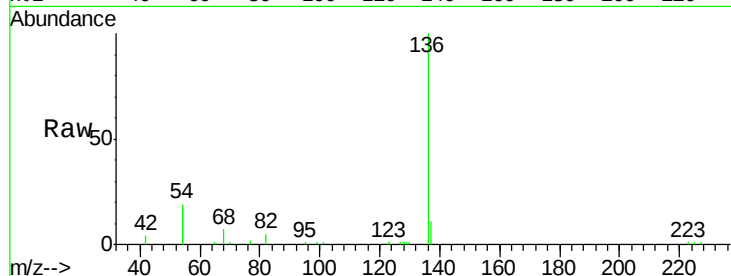
Ion Ratio Lower Upper

136 100

137 10.8 9.5 14.3

54 37.3 29.1 43.7

68 7.4 6.2 9.2

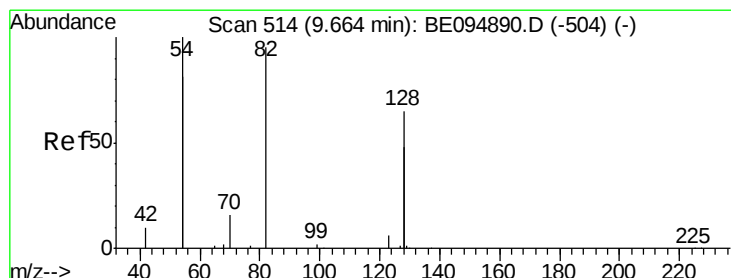
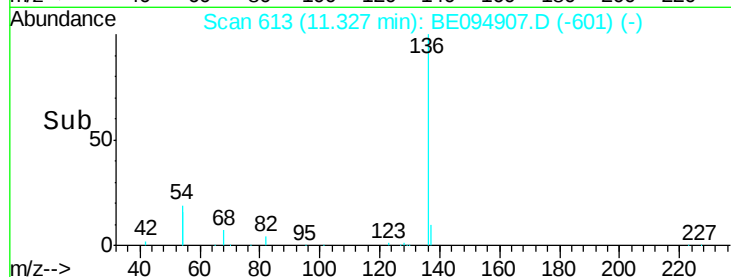
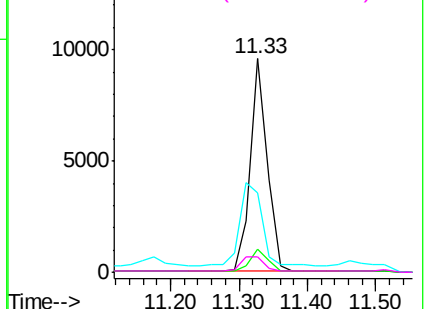


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.40 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

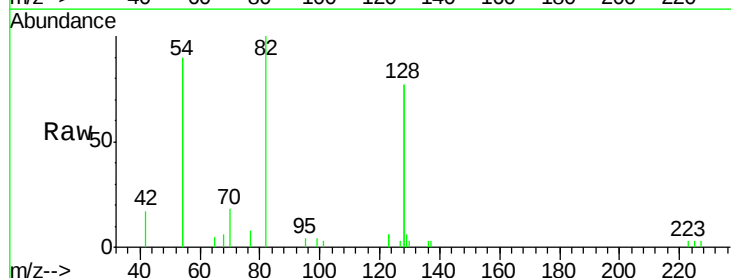
Tgt Ion: 82 Resp: 3843

Ion Ratio Lower Upper

82 100

128 154.9 150.0 225.0

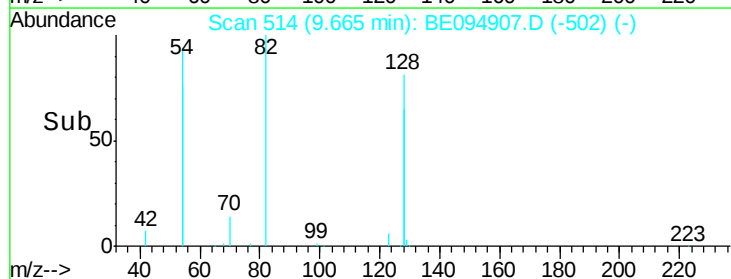
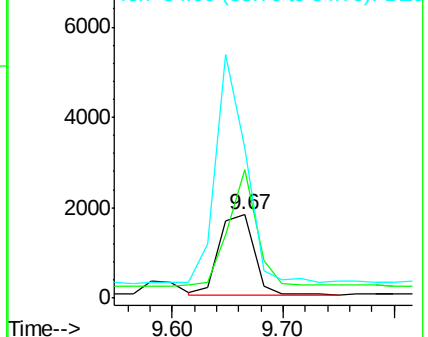
54 180.2 154.2 231.4

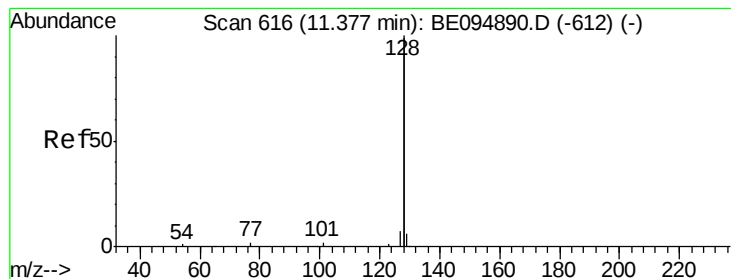


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.38 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

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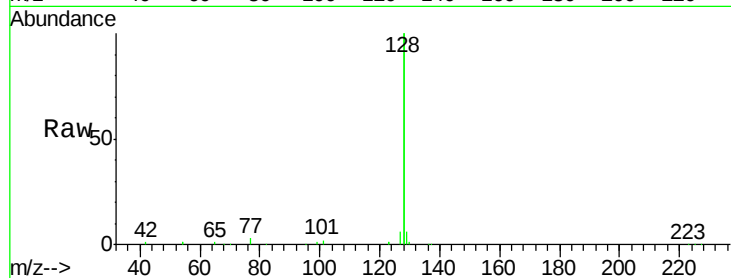
Tot Ion:128 Resp: 73175

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

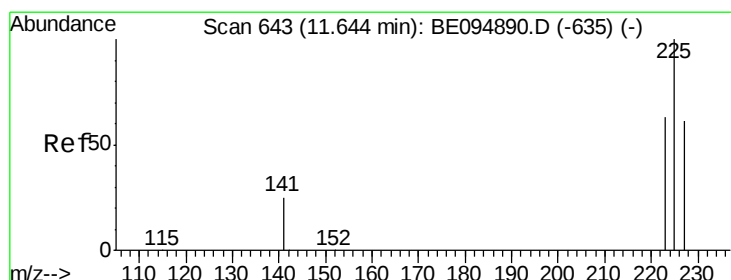
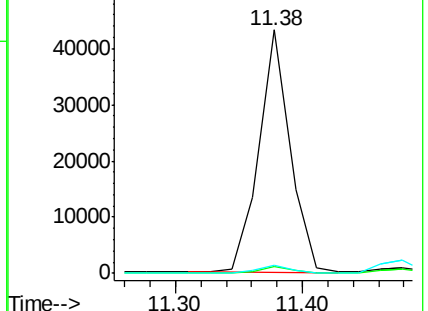
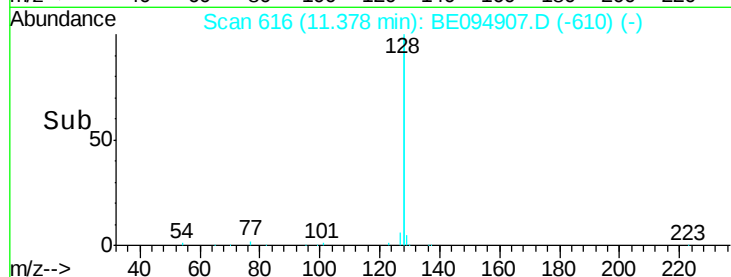
127 3.2 2.8 4.2



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: 0.39 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

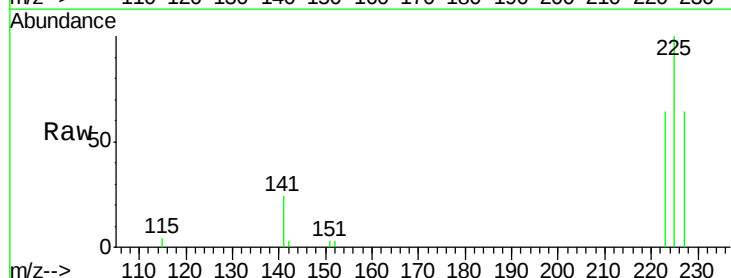
Tgt Ion:225 Resp: 3148

Ion Ratio Lower Upper

225 100

223 63.5 53.0 79.6

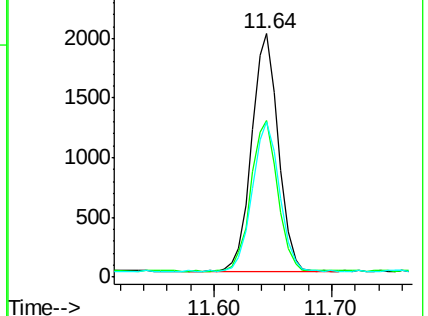
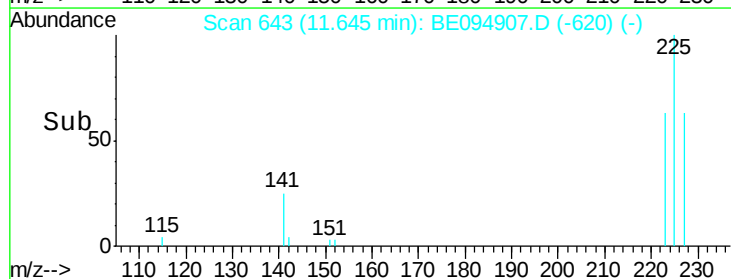
227 63.7 51.4 77.2

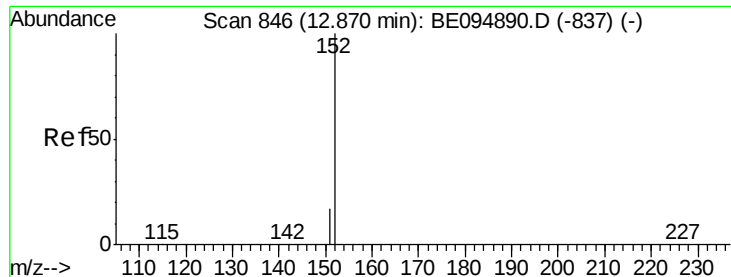


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

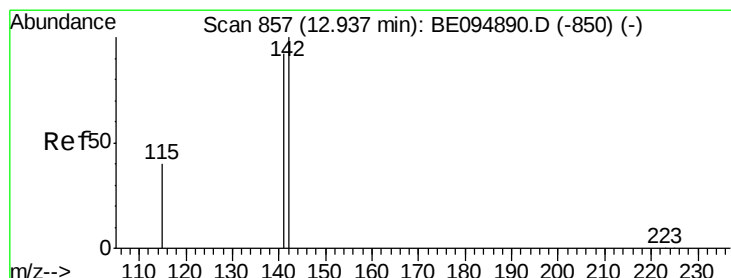
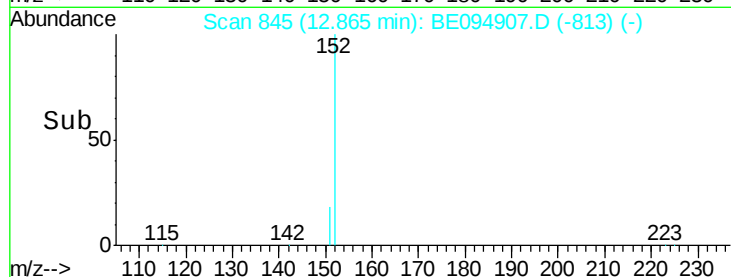
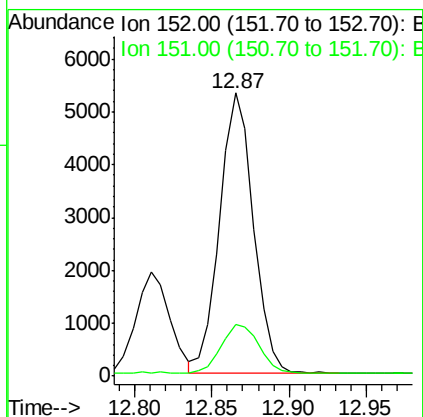
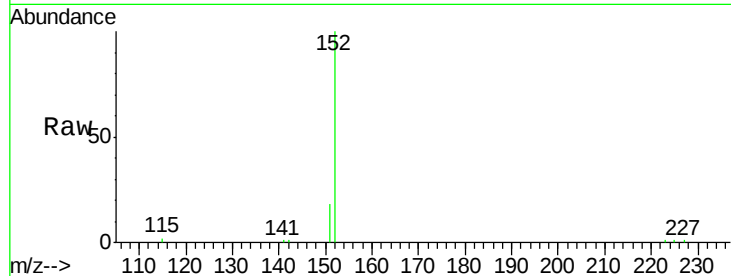




#11
 2-Methylnaphthalene-d10
 Concen: 0.31 ng
 RT: 12.87 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BE094907.D
 Acq: 1 Dec 2017 16:26

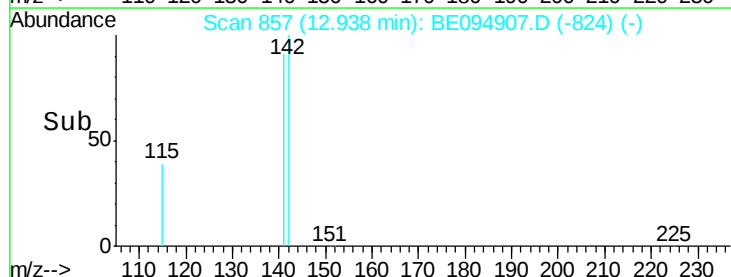
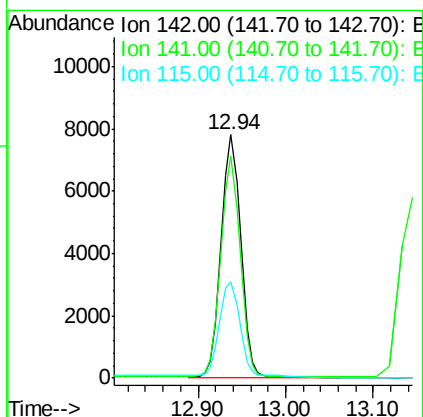
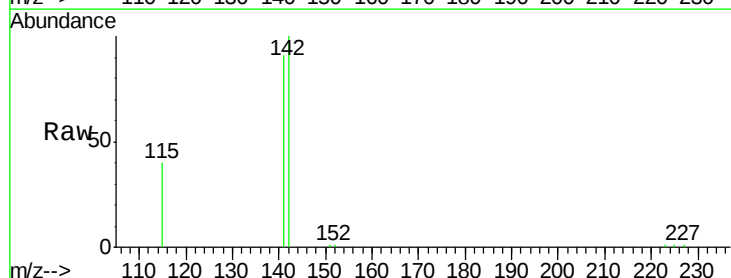
Instrument :
 BNA_E
 ClientSampleId :
 PB104512BS

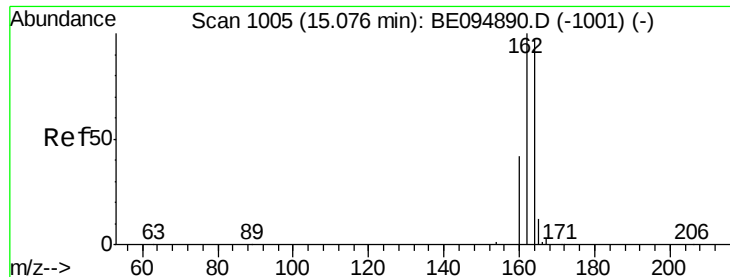
Tot Ion:152 Resp: 8019
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.36 ng
 RT: 12.94 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BE094907.D
 Acq: 1 Dec 2017 16:26

Tgt Ion:142 Resp: 17284
 Ion Ratio Lower Upper
 142 100
 141 90.9 70.4 105.6
 115 39.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.07 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

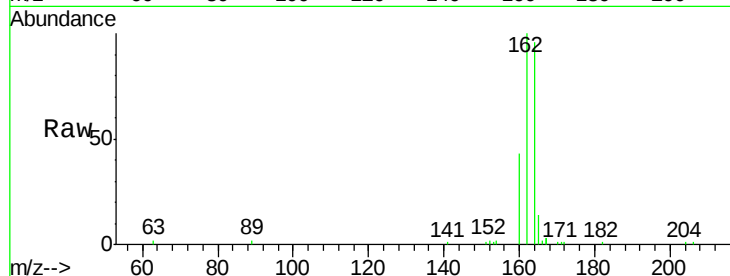
Tot Ion:164 Resp: 7754

Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

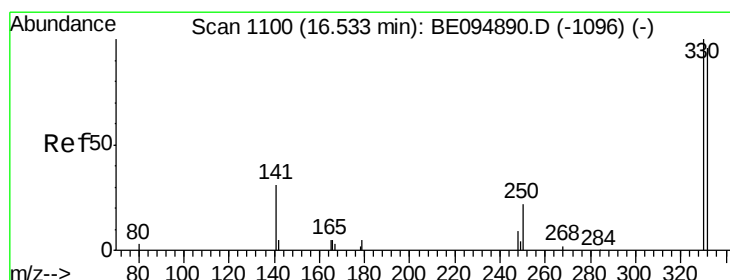
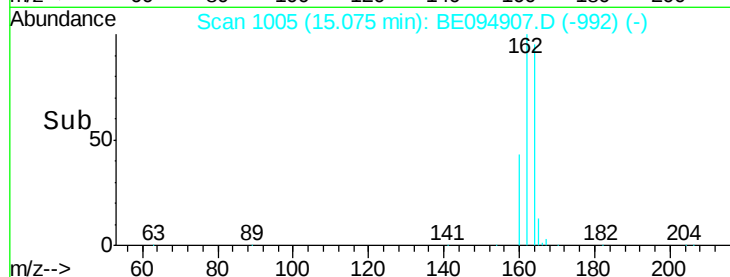
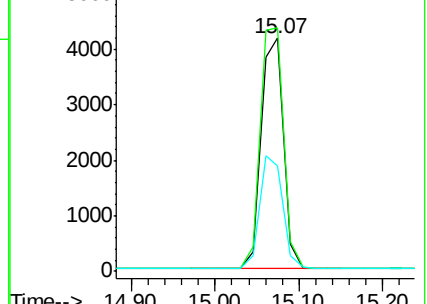
160 45.3 37.1 55.7



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: 0.28 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

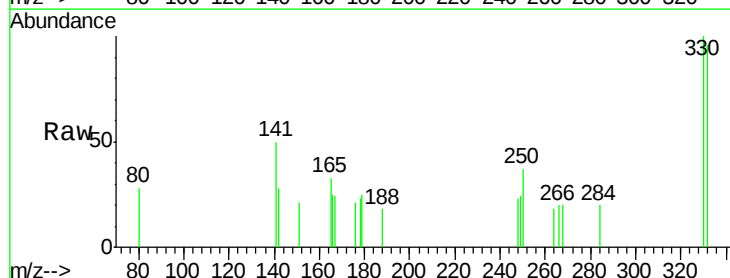
Tgt Ion:330 Resp: 365

Ion Ratio Lower Upper

330 100

332 96.4 152.7 229.1#

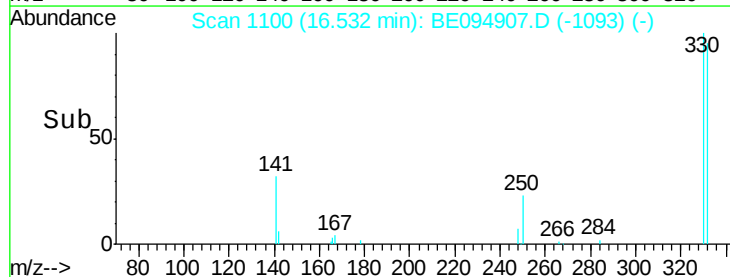
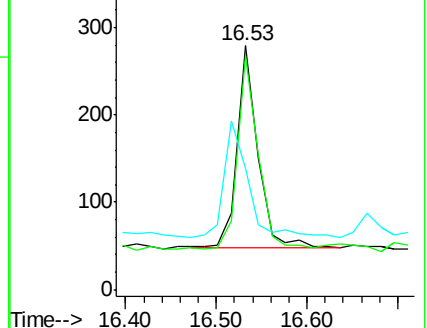
141 64.9 33.7 50.5#

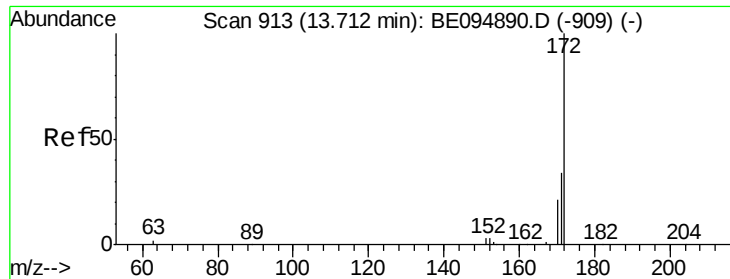


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

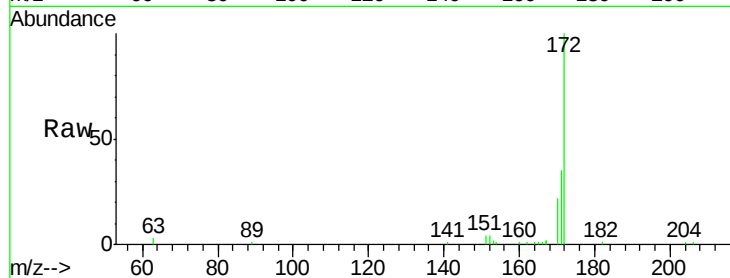




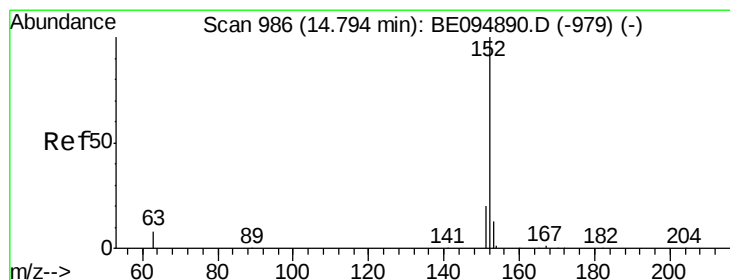
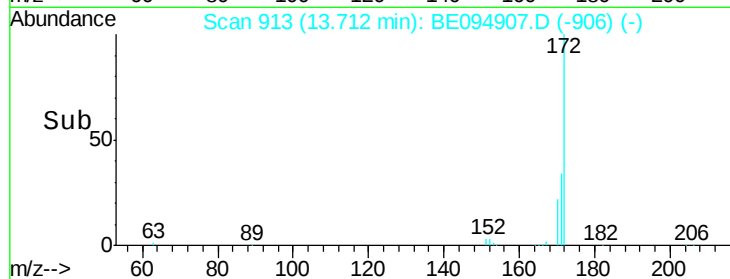
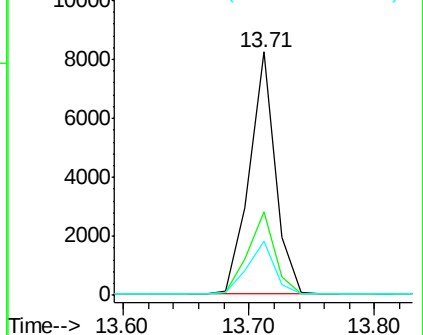
#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tot Ion:172 Resp: 11753
Ion Ratio Lower Upper
172 100
171 34.6 29.9 44.9
170 22.0 21.8 32.8

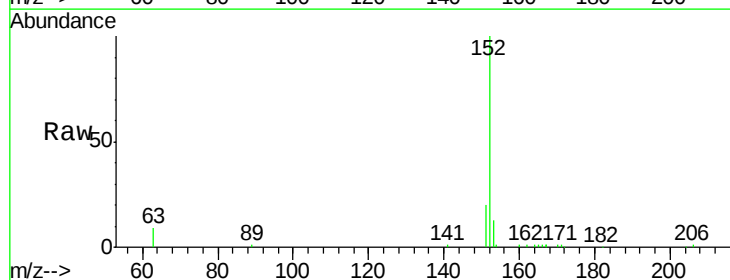


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

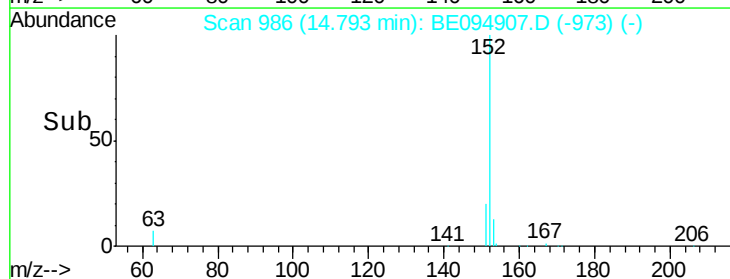
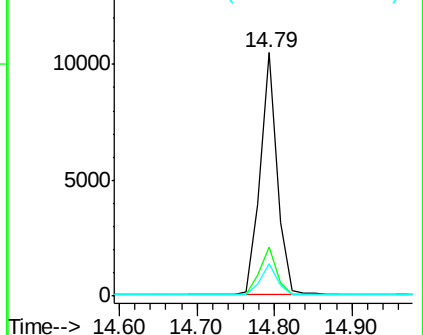


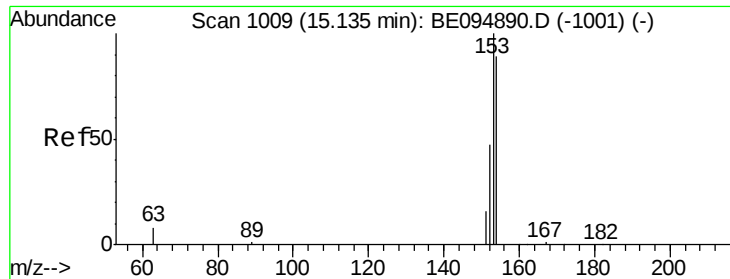
#16
Acenaphthylene
Concen: 0.36 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:152 Resp: 15967
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.37 ng

RT: 15.13 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

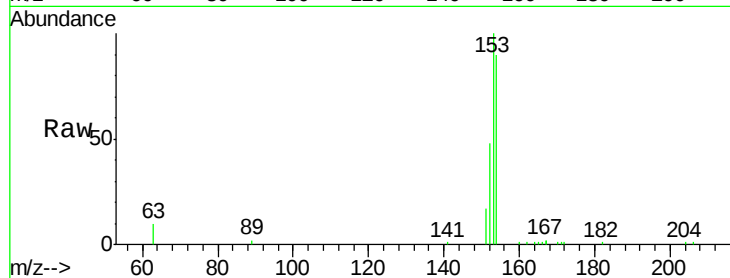
Tot Ion:154 Resp: 10380

Ion Ratio Lower Upper

154 100

153 114.2 89.2 133.8

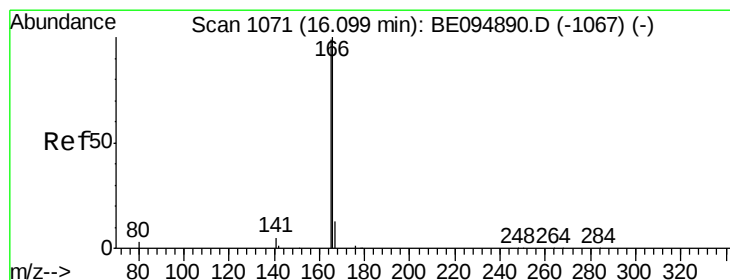
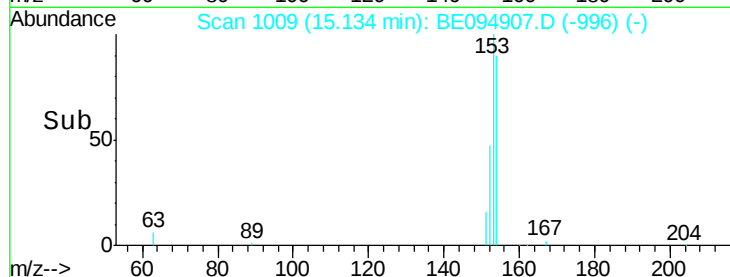
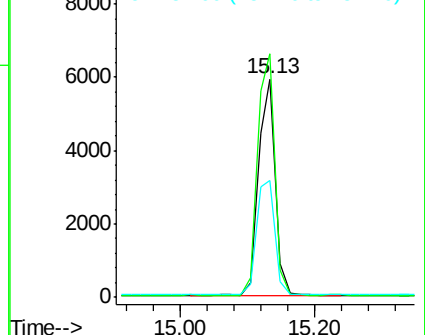
152 57.9 42.0 63.0



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: 0.37 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

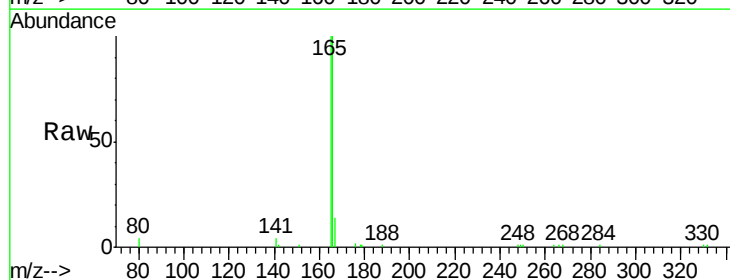
Tgt Ion:166 Resp: 13262

Ion Ratio Lower Upper

166 100

165 101.0 77.8 116.6

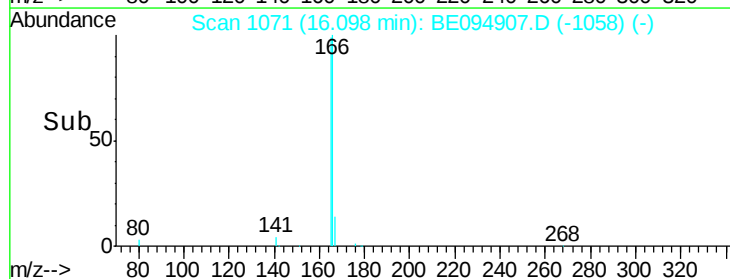
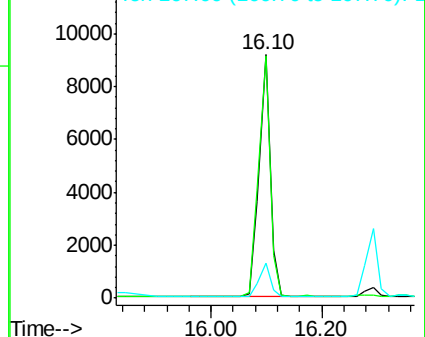
167 14.1 42.4 63.6#

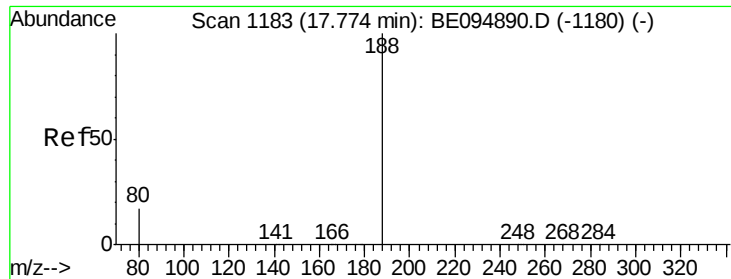


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

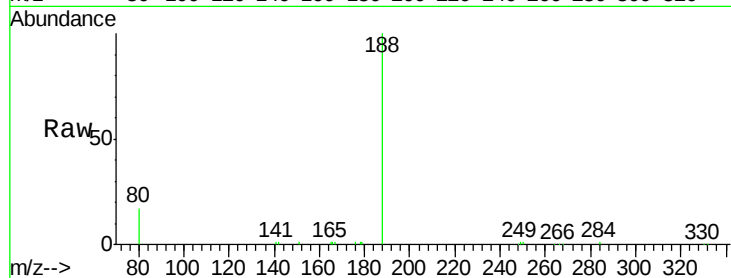
Tot Ion:188 Resp: 18053

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

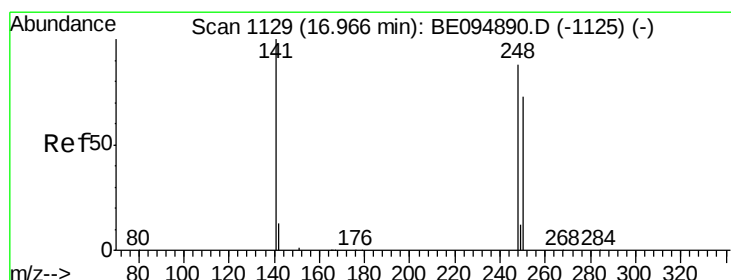
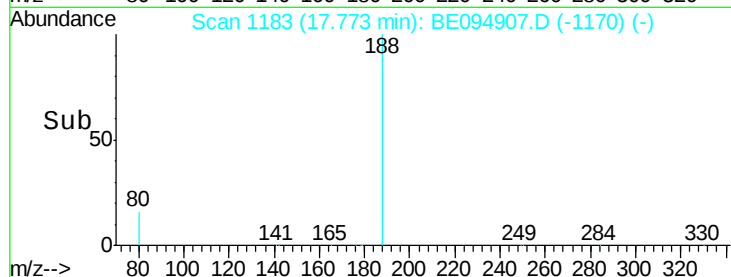
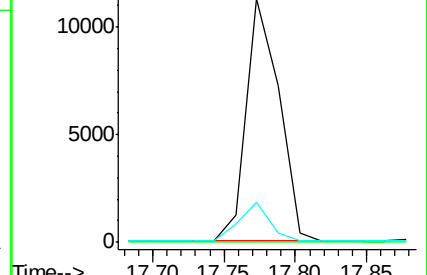
80 16.6 3.6 5.4#



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: 0.39 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

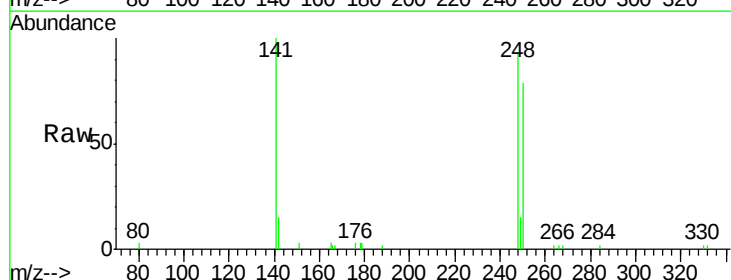
Tgt Ion:248 Resp: 3879

Ion Ratio Lower Upper

248 100

250 84.9 62.7 94.1

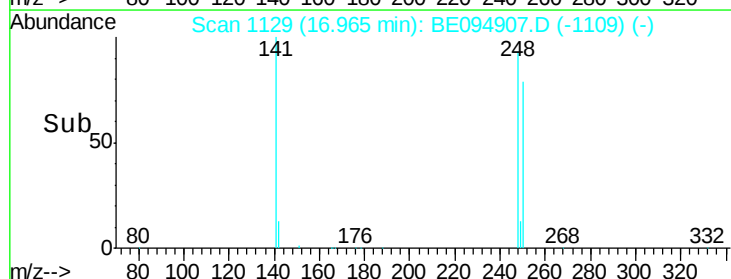
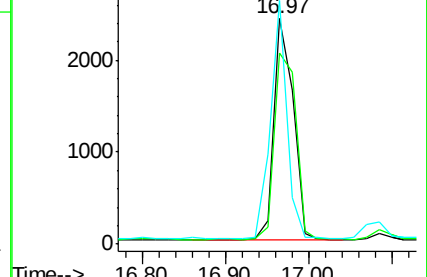
141 108.0 48.2 72.2#

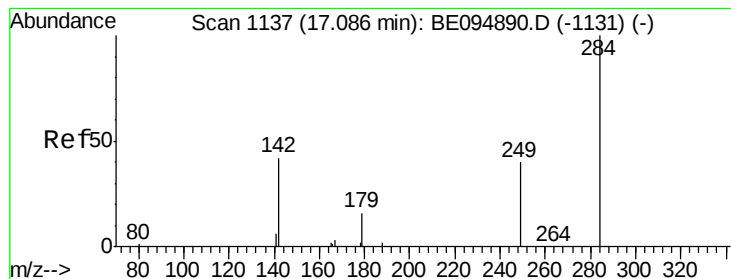


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.39 ng

RT: 17.08 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

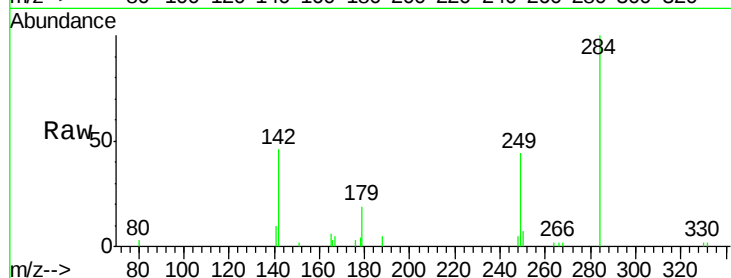
Tot Ion:284 Resp: 3850

Ion Ratio Lower Upper

284 100

142 46.8 22.1 33.1#

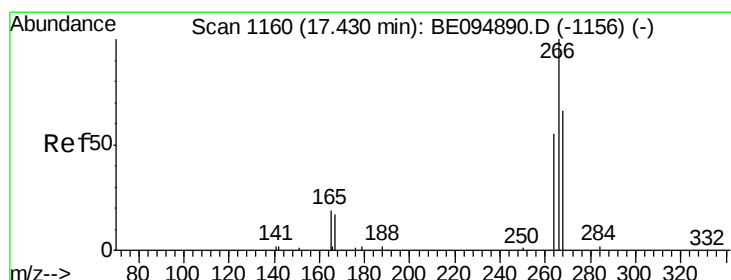
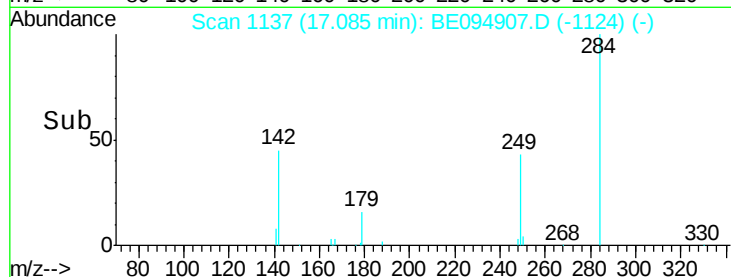
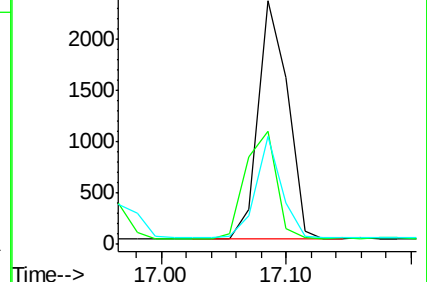
249 36.3 34.8 52.2



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: 0.54 ng

RT: 17.43 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

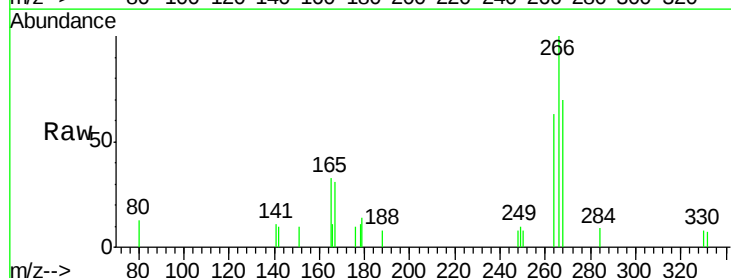
Tgt Ion:266 Resp: 1318

Ion Ratio Lower Upper

266 100

264 62.7 72.5 108.7#

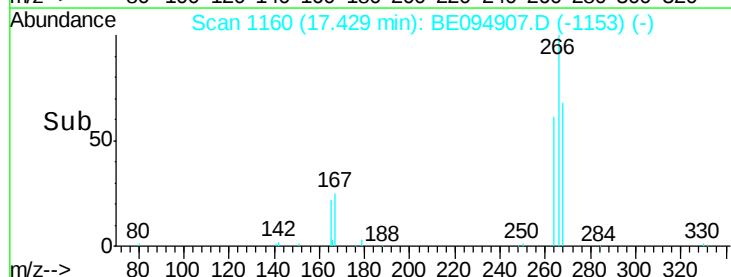
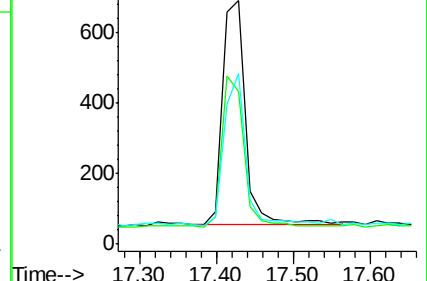
268 70.0 73.8 110.6#

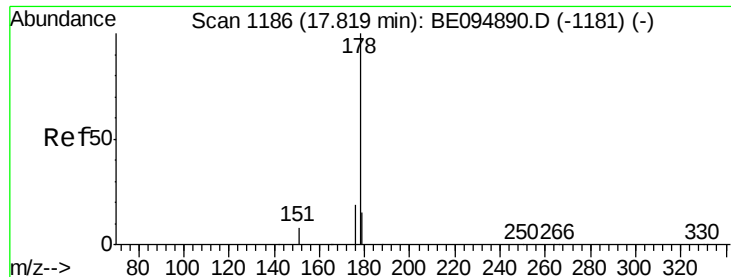


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.38 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

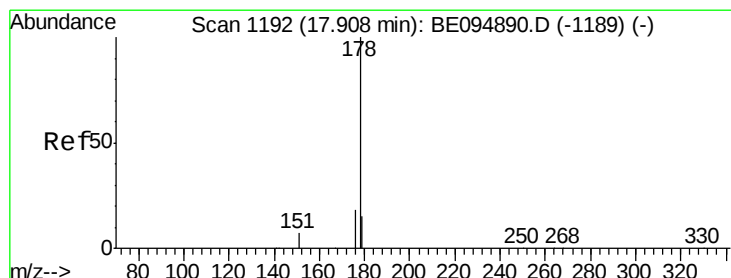
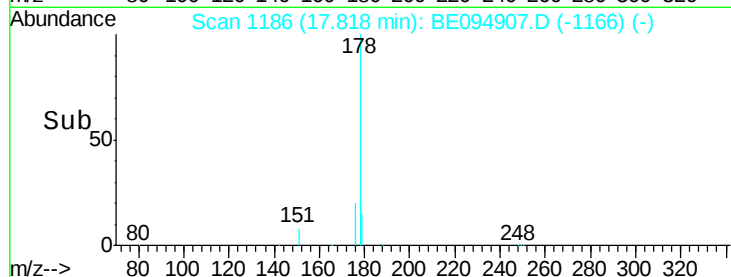
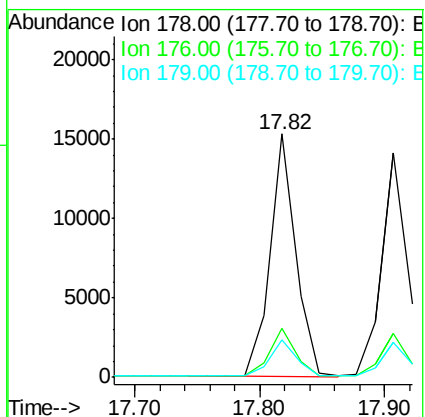
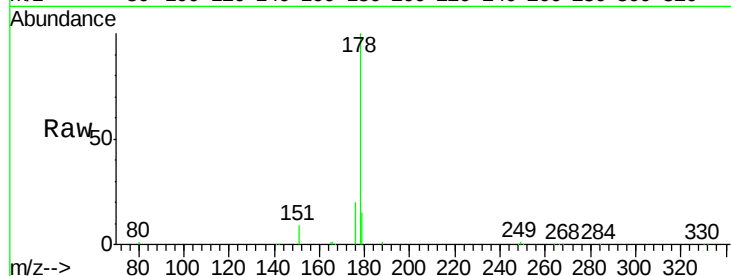
Tot Ion:178 Resp: 22087

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

179 15.5 11.8 17.6



#24

Anthracene

Concen: 0.38 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

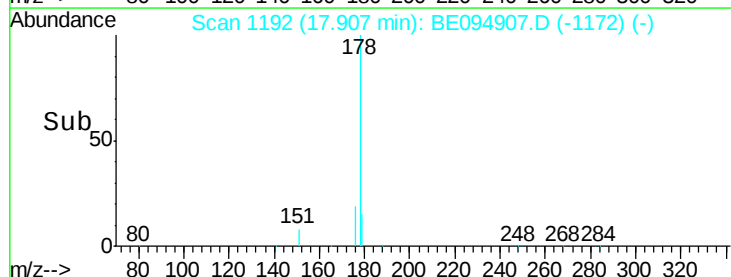
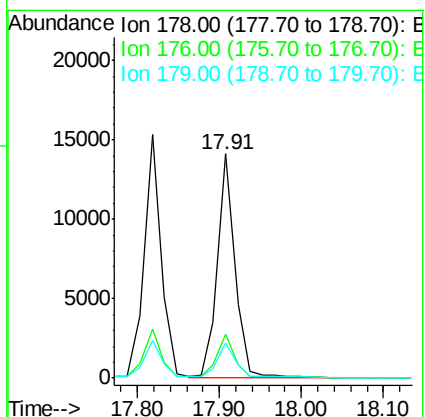
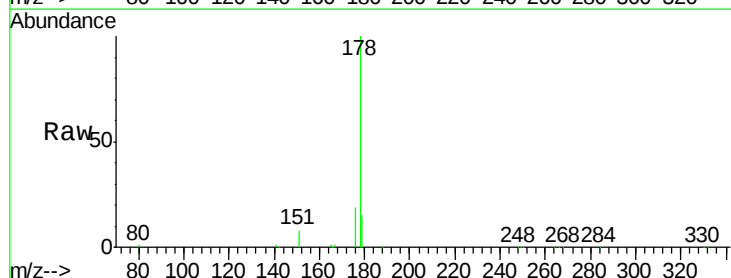
Tgt Ion:178 Resp: 23206

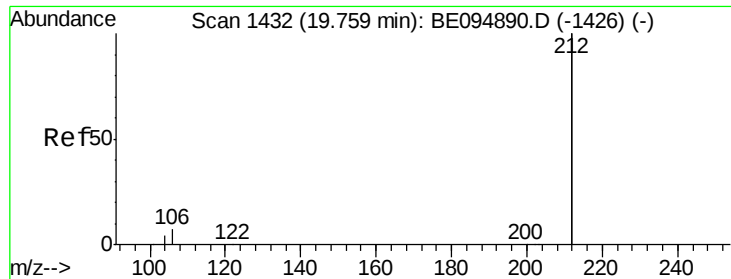
Ion Ratio Lower Upper

178 100

176 21.4 12.8 19.2#

179 18.2 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.29 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

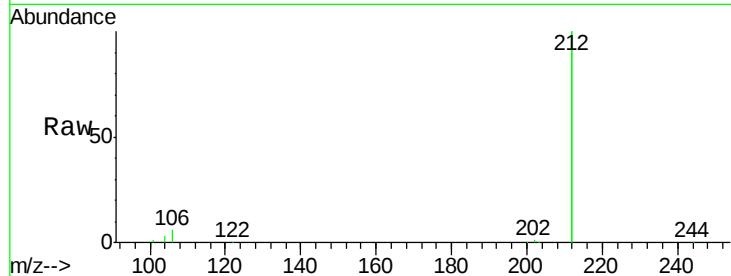
Tot Ion:212 Resp: 71407

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

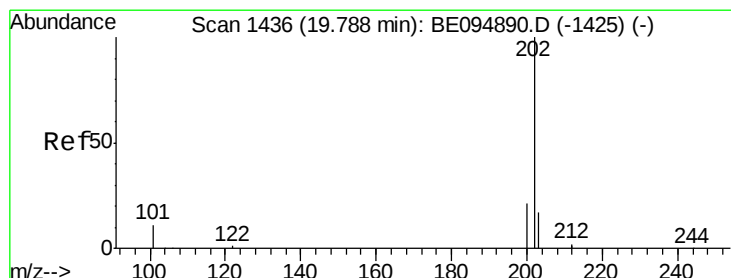
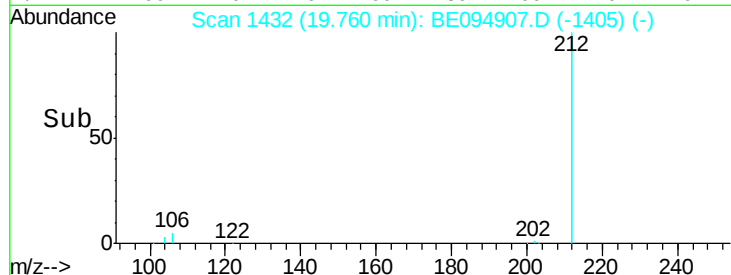
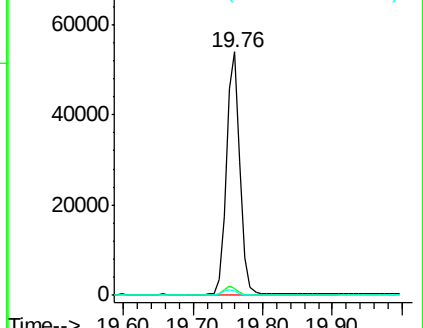
104 2.1 1.6 2.4



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: 0.35 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

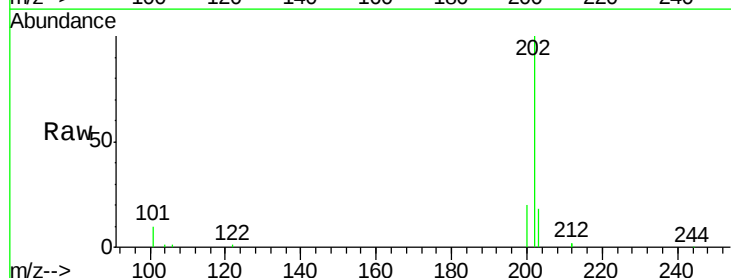
Tgt Ion:202 Resp: 25864

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

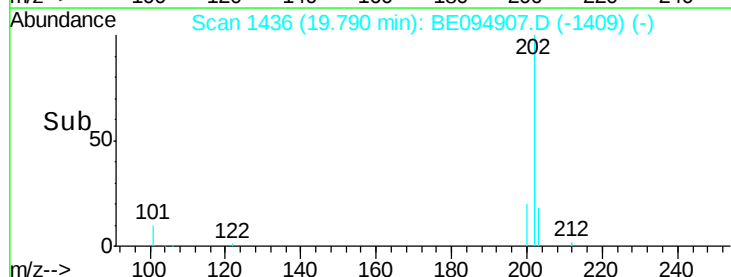
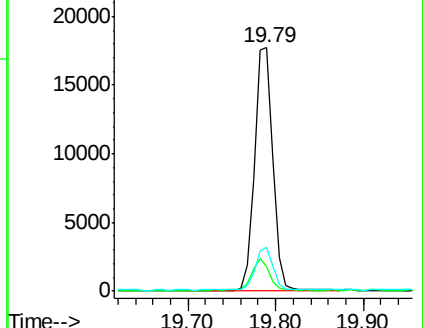
203 16.8 13.7 20.5

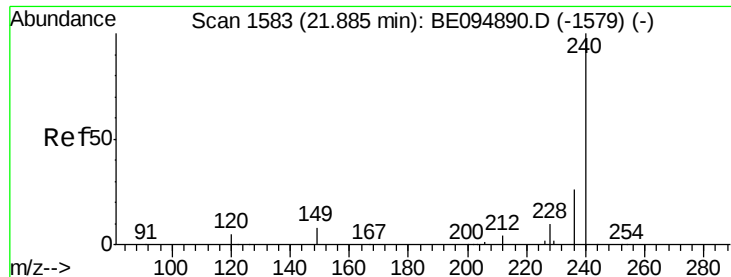


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

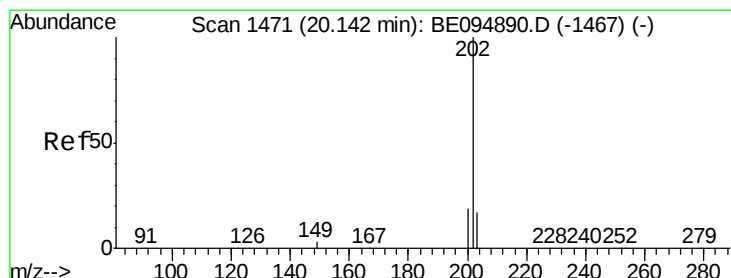
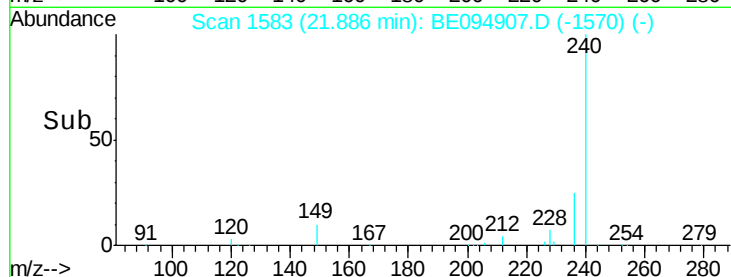
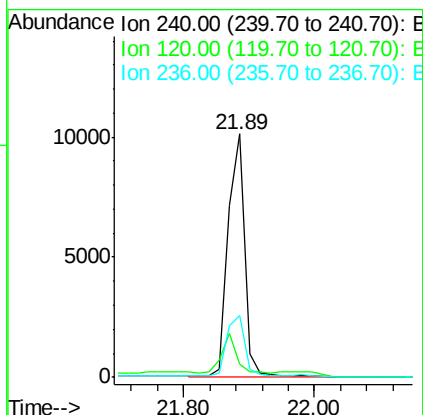
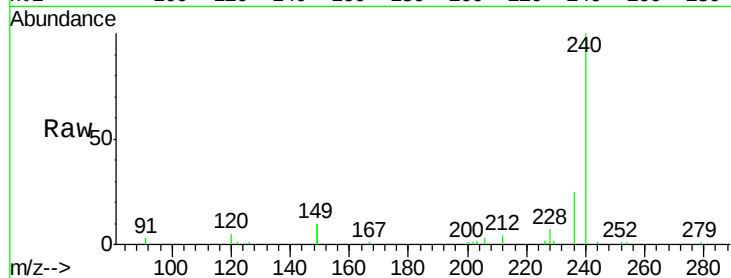




#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094907.D
 Acq: 1 Dec 2017 16:26

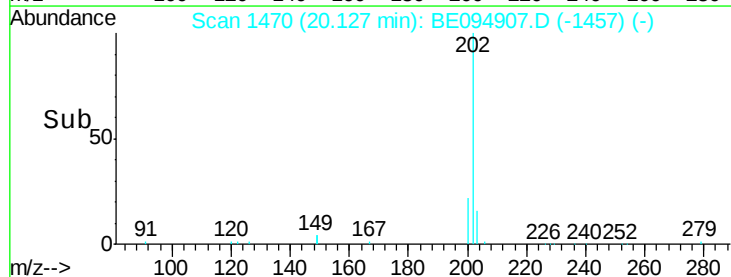
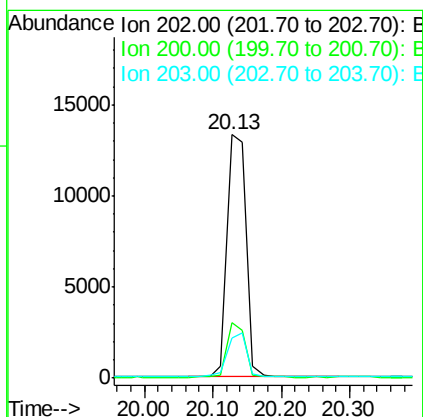
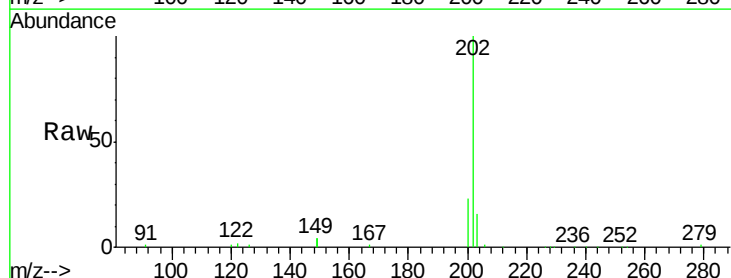
Instrument :
 BNA_E
 ClientSampleId :
 PB104512BS

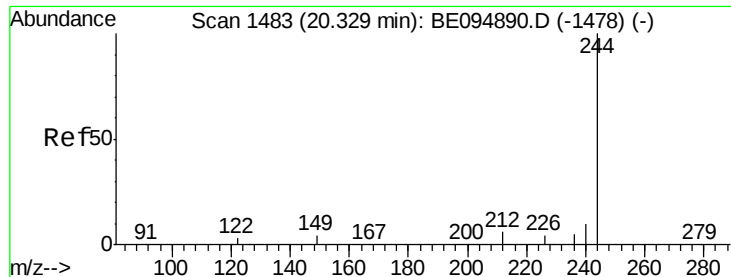
Tot Ion:240 Resp: 18880
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.5 8.3#
 236 25.5 20.7 31.1



#28
 Pyrene
 Concen: 0.40 ng
 RT: 20.13 min Scan# 1470
 Delta R.T. -0.01 min
 Lab File: BE094907.D
 Acq: 1 Dec 2017 16:26

Tgt Ion:202 Resp: 25887
 Ion Ratio Lower Upper
 202 100
 200 25.2 16.6 25.0#
 203 17.8 13.8 20.8





#29

Terphenyl-d14

Concen: 0.38 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

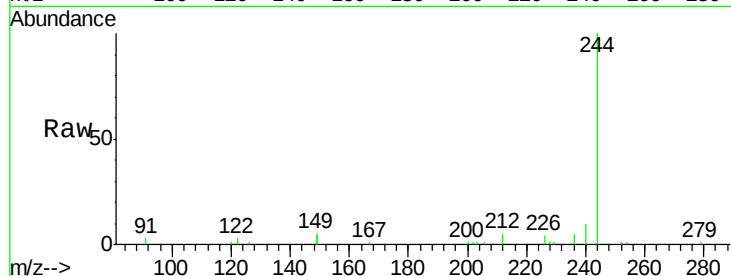
Tot Ion:244 Resp: 13330

Ion Ratio Lower Upper

244 100

212 5.5 25.4 38.0#

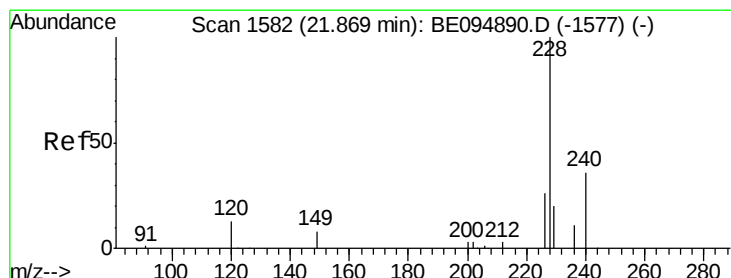
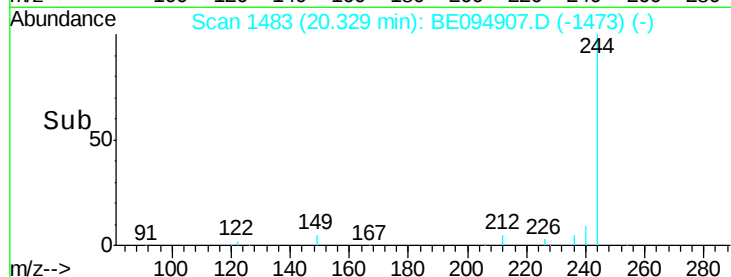
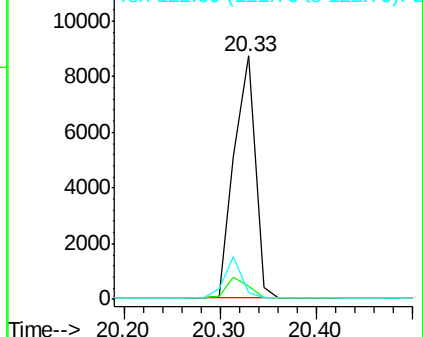
122 2.6 8.1 12.1#



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: 0.38 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

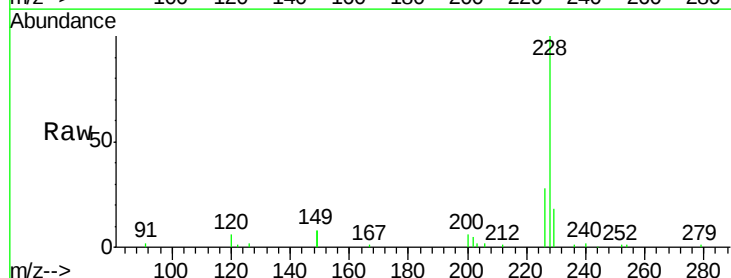
Tgt Ion:228 Resp: 22058

Ion Ratio Lower Upper

228 100

226 28.5 40.0 60.0#

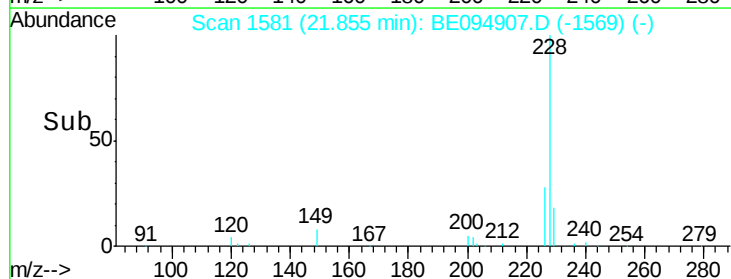
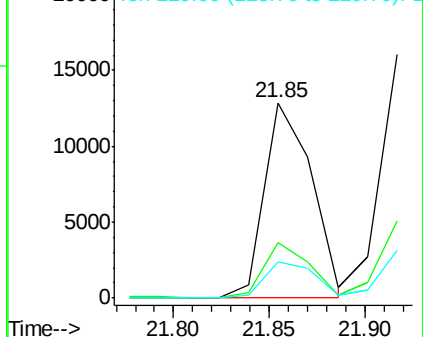
229 18.4 40.0 60.0#

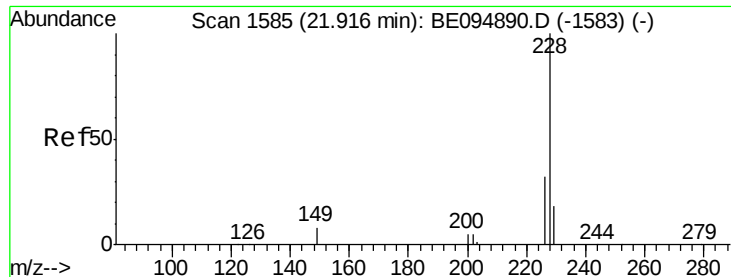


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.39 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

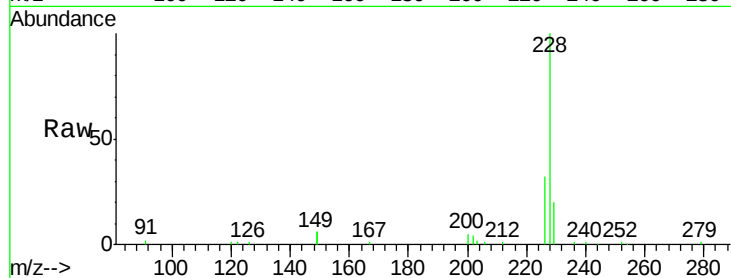
Tot Ion:228 Resp: 24869

Ion Ratio Lower Upper

228 100

226 31.8 40.0 60.0#

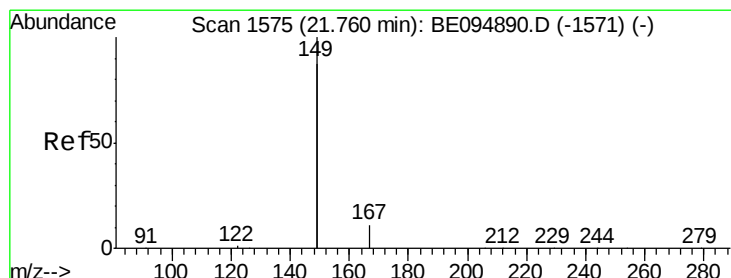
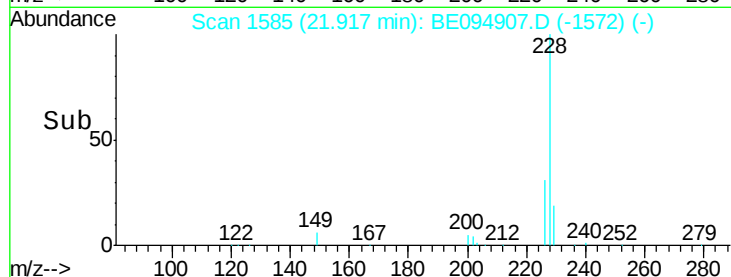
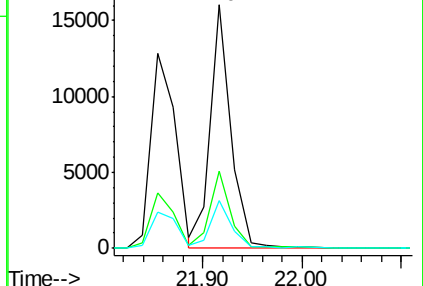
229 19.5 40.0 60.0#



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: 0.28 ng

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

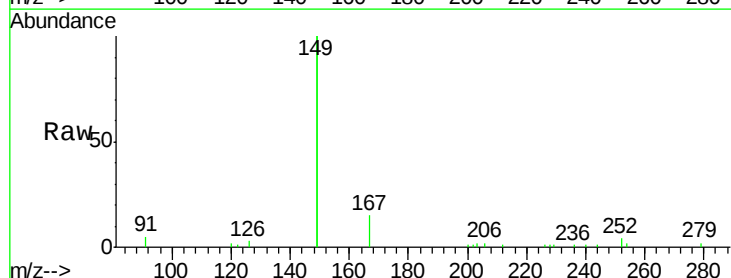
Tgt Ion:149 Resp: 26836

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

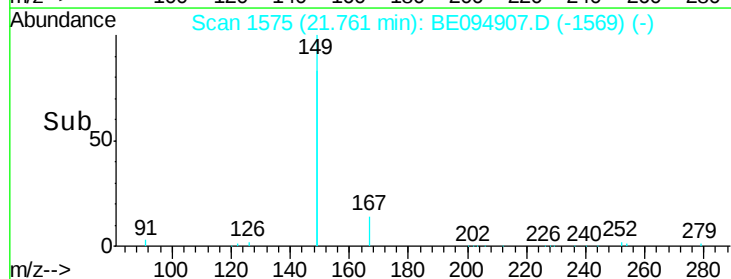
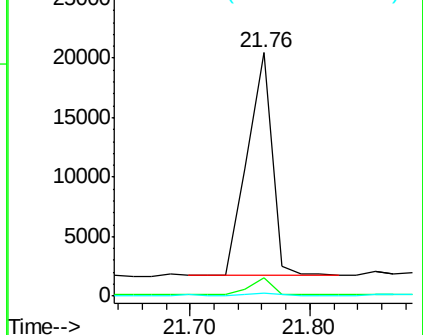
279 0.8 0.7 1.1

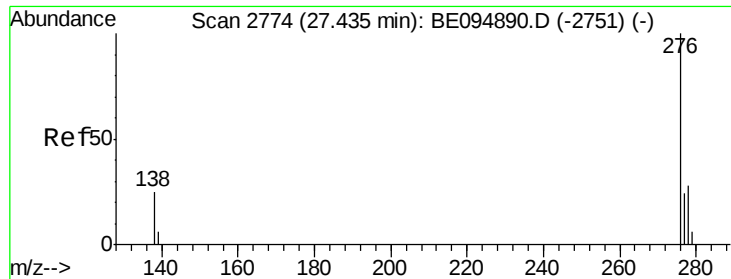


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

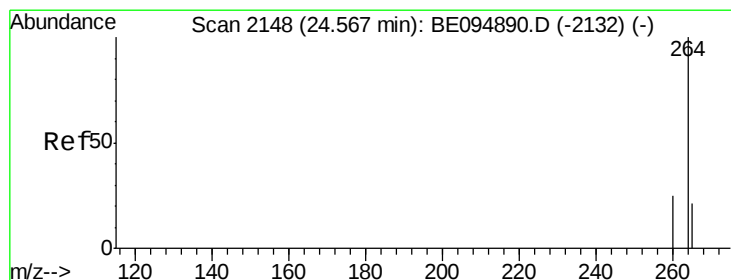
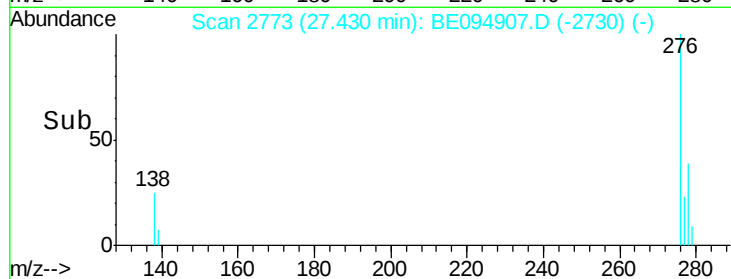
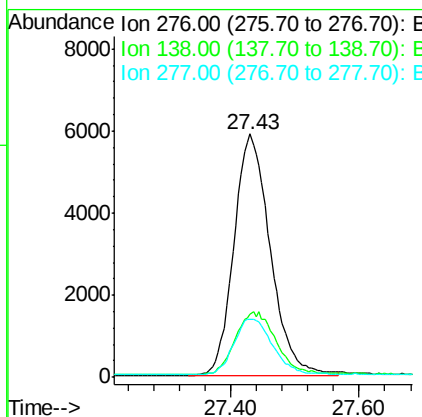
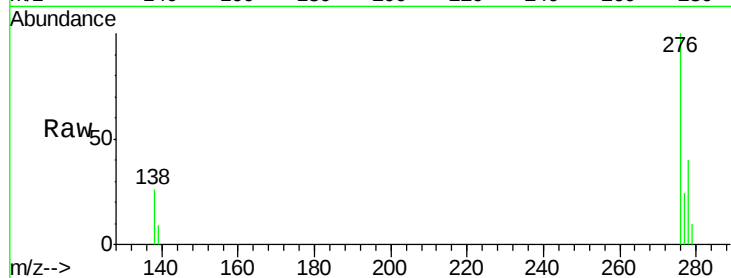




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng
 RT: 27.43 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: BE094907.D
 Acq: 1 Dec 2017 16:26

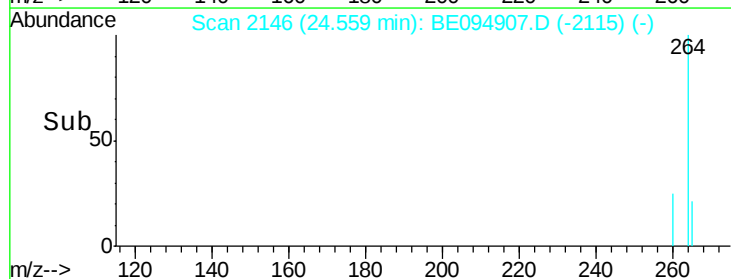
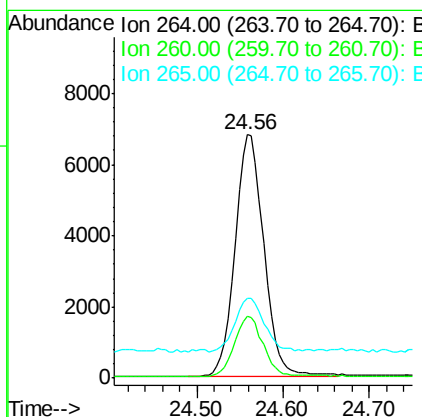
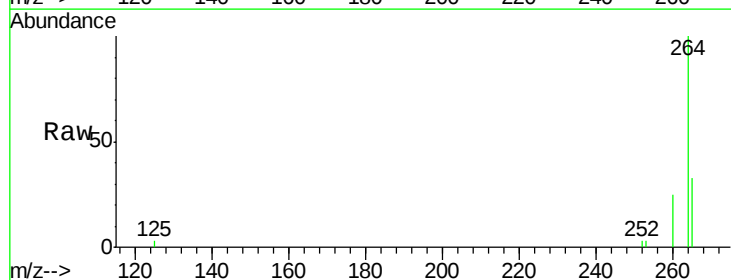
Instrument :
 BNA_E
 ClientSampleId :
 PB104512BS

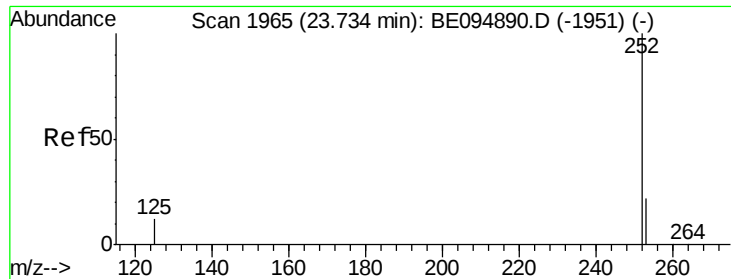
Tot Ion:276 Resp: 23077
 Ion Ratio Lower Upper
 276 100
 138 29.2 22.5 33.7
 277 25.1 19.9 29.9



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 24.56 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BE094907.D
 Acq: 1 Dec 2017 16:26

Tgt Ion:264 Resp: 15673
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.5 30.7
 265 32.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.38 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

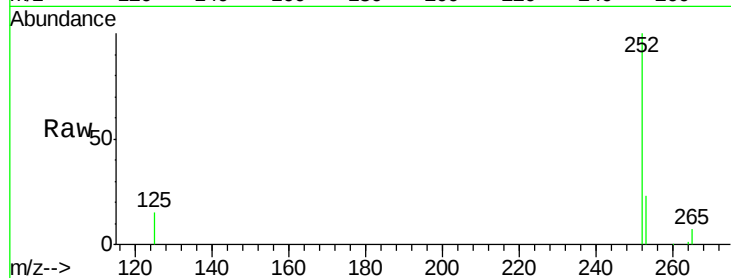
Tot Ion:252 Resp: 21996

Ion Ratio Lower Upper

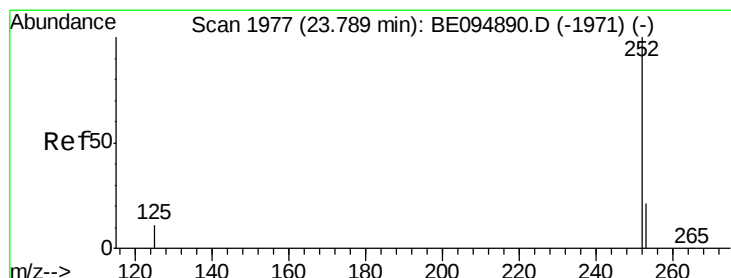
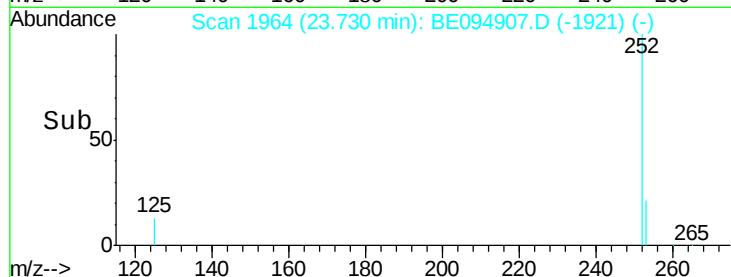
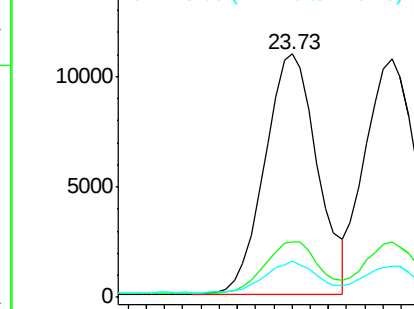
252 100

253 22.9 48.0 72.0#

125 15.0 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: 0.36 ng

RT: 23.78 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

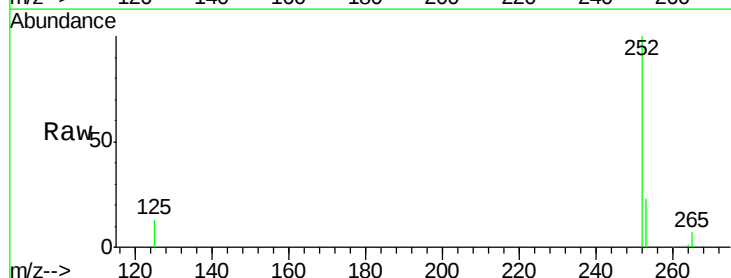
Tgt Ion:252 Resp: 21007

Ion Ratio Lower Upper

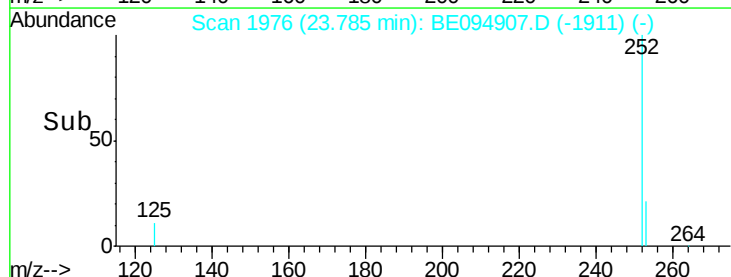
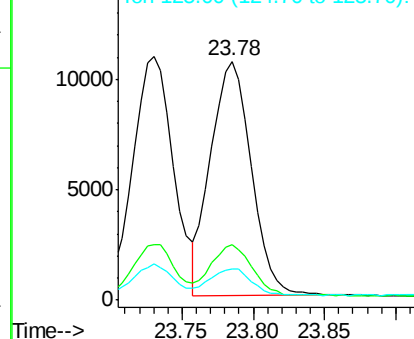
252 100

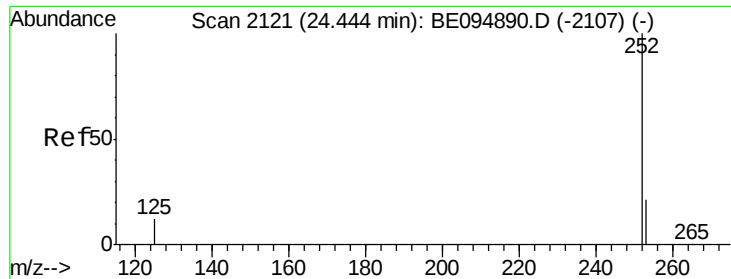
253 23.0 48.0 72.0#

125 13.0 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: 0.39 ng

RT: 24.44 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

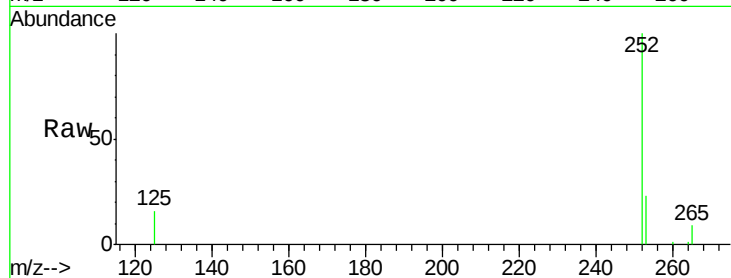
Tot Ion:252 Resp: 19444

Ion Ratio Lower Upper

252 100

253 23.5 52.0 78.0#

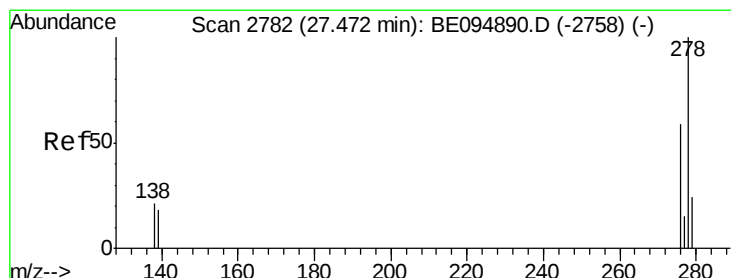
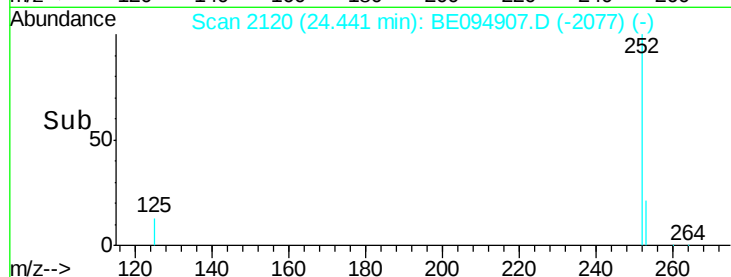
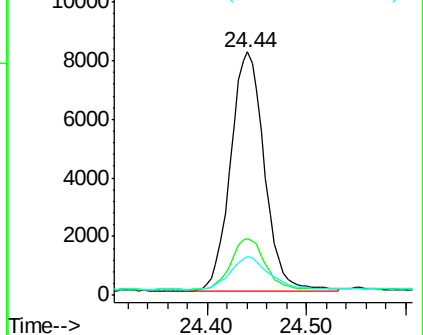
125 16.0 68.0 102.0#



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: 0.42 ng

RT: 27.46 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

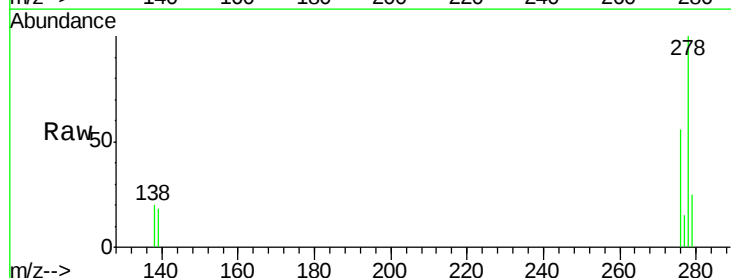
Tgt Ion:278 Resp: 19355

Ion Ratio Lower Upper

278 100

139 18.5 56.0 84.0#

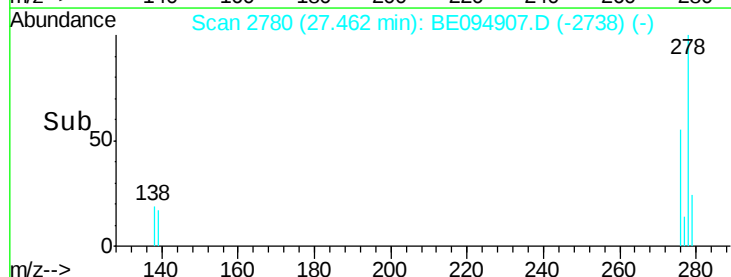
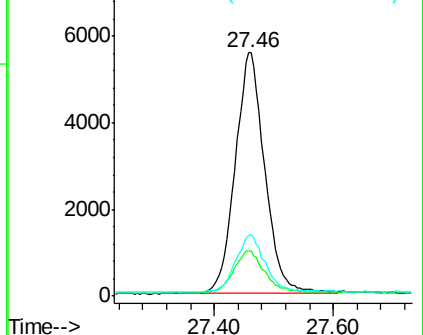
279 25.5 52.0 78.0#

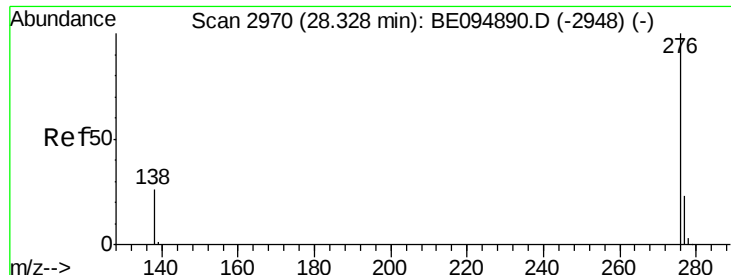


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.43 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094907.D

Acq: 1 Dec 2017 16:26

Instrument :

BNA_E

ClientSampleId :

PB104512BS

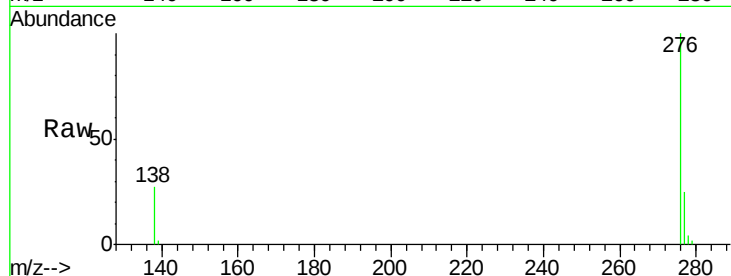
Tot Ion: 276 Resp: 19995

Ion Ratio Lower Upper

276 100

277 25.4 52.0 78.0#

138 26.6 44.0 66.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

