

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102317\
 Data File : BE094504.D
 Acq On : 23 Oct 2017 20:24
 Operator : SJ/JU
 Sample : PB103539TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB103539TB

Quant Time: Oct 23 22:29:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 19:31:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1141	0.40	ng	0.00
7) Naphthalene-d8	10.74	136	5577	0.40	ng	0.03
13) Acenaphthene-d10	14.54	164	3747	0.40	ng	0.03
19) Phenanthrene-d10	17.27	188	9556	0.40	ng	0.03
27) Chrysene-d12	21.44	240	9386	0.40	ng	0.01
34) Perylene-d12	23.95	264	8956	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	909	0.23	ng	0.00
5) Phenol-d6	7.23	99	1073	0.18	ng	0.09
8) Nitrobenzene-d5	9.15	82	826	0.19	ng	0.07
11) 2-Methylnaphthalene-d10	12.34	152	2401	0.27	ng	0.05
14) 2,4,6-Tribromophenol	16.09	330	145	0.14	ng	0.06
15) 2-Fluorobiphenyl	13.19	172	2990	0.23	ng	0.04
25) Fluoranthene-d10	19.30	212	26795	0.19	ng	0.02
29) Terphenyl-d14	19.87	244	4194	0.24	ng	0.00

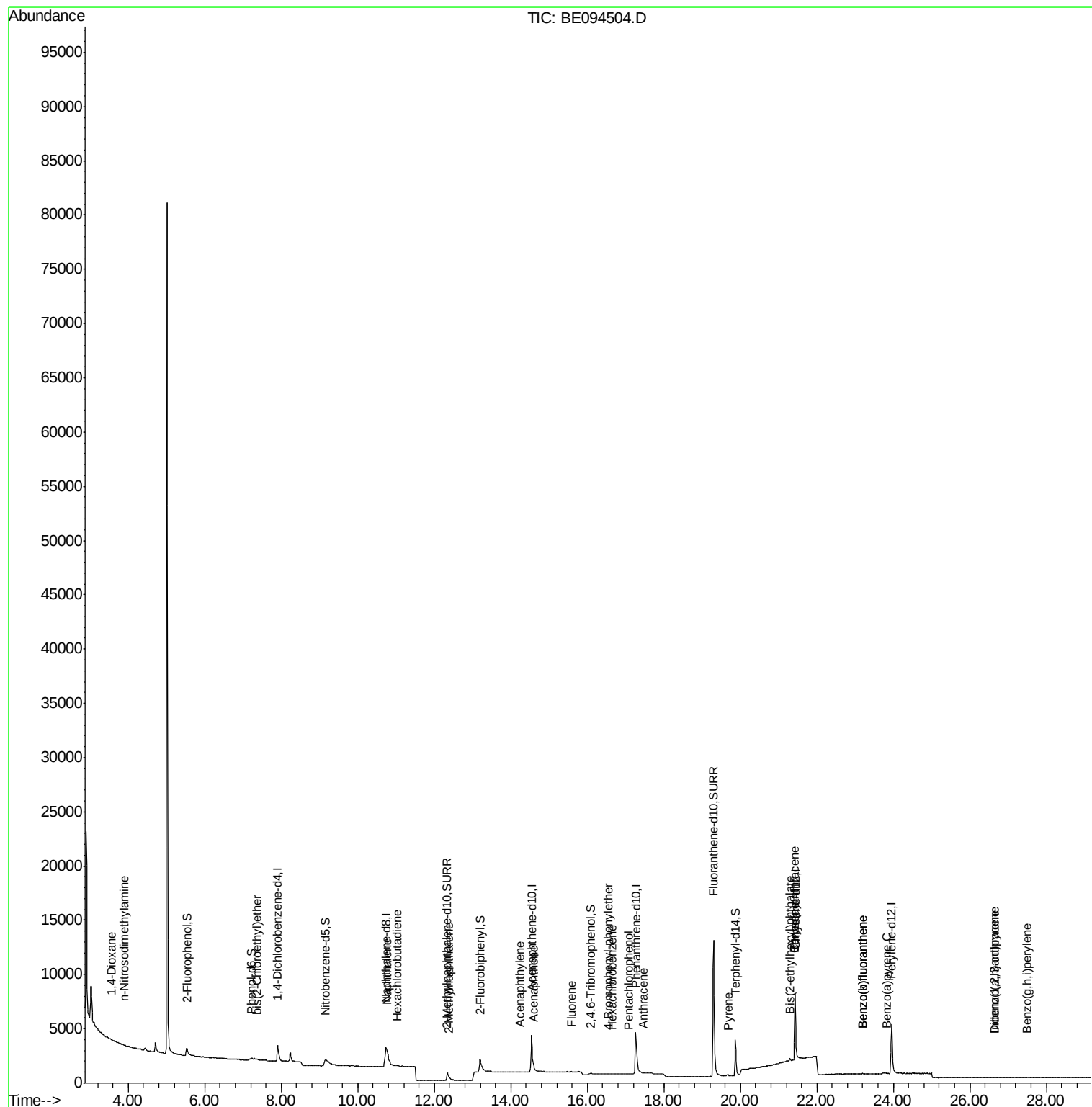
Target Compounds						Qvalue
2) 1,4-Dioxane	3.55	88	12	0.01	ng	# 16
3) n-Nitrosodimethylamine	3.89	42	6	0.00	ng	# 1
6) bis(2-Chloroethyl)ether	7.37	93	6	0.00	ng	# 1
9) Naphthalene	10.76	128	87	0.00	ng	# 46
10) Hexachlorobutadiene	11.03	225	2	0.00	ng	# 17
12) 2-Methylnaphthalene	12.40	142	2	0.00	ng	# 53
16) Acenaphthylene	14.24	152	5	0.00	ng	# 1
17) Acenaphthene	14.60	154	2	0.00	ng	# 5
18) Fluorene	15.59	166	4	0.00	ng	# 72
20) 4-Bromophenyl-phenylether	16.55	248	2	0.00	ng	# 51
21) Hexachlorobenzene	16.65	284	6	0.00	ng	# 38
22) Pentachlorophenol	17.07	266	8	0.01	ng	93
23) Phenanthrene	17.30	178	39	Below Cal	#	76
24) Anthracene	17.46	178	10	0.00	ng	# 1
26) Fluoranthene	19.33	202	21	Below Cal	#	8
28) Pyrene	19.69	202	37	0.00	ng	# 56
30) Benzo(a)anthracene	21.43	228	109	0.00	ng	# 38
31) Chrysene	21.43	228	103	0.00	ng	# 38
32) Bis(2-ethylhexyl)phthalate	21.29	149	469	0.01	ng	# 87
33) Indeno(1,2,3-cd)pyrene	26.65	276	13	0.00	ng	# 38
35) Benzo(b)fluoranthene	23.20	252	73	0.00	ng	# 32
36) Benzo(k)fluoranthene	23.20	252	73	0.00	ng	# 32
37) Benzo(a)pyrene	23.82	252	5	0.00	ng	# 22
38) Dibenzo(a,h)anthracene	26.64	278	9	0.00	ng	# 24
39) Benzo(g,h,i)perylene	27.49	276	17	0.00	ng	# 43

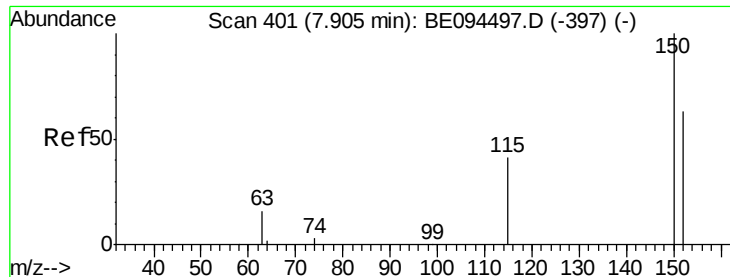
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 23 19:31:26 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.91 min Scan# 401

Delta R.T. 0.00 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

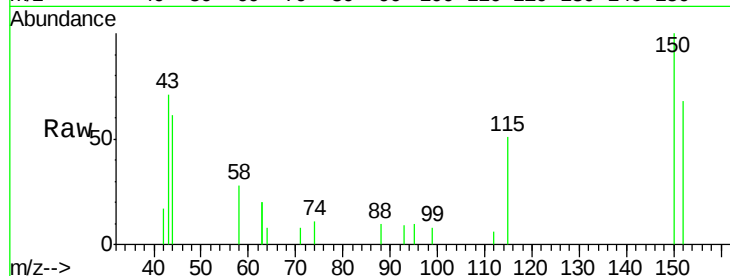
Tot Ion:152 Resp: 1141

Ion Ratio Lower Upper

152 100

150 146.7 117.2 175.8

115 75.4 57.0 85.6



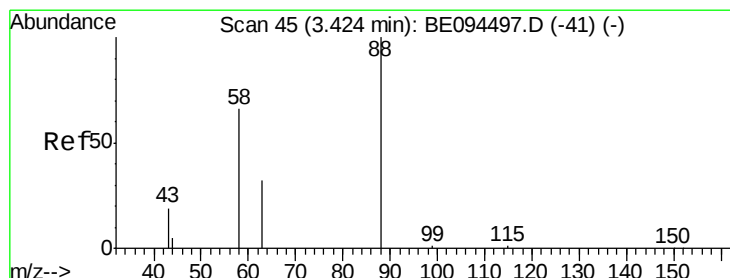
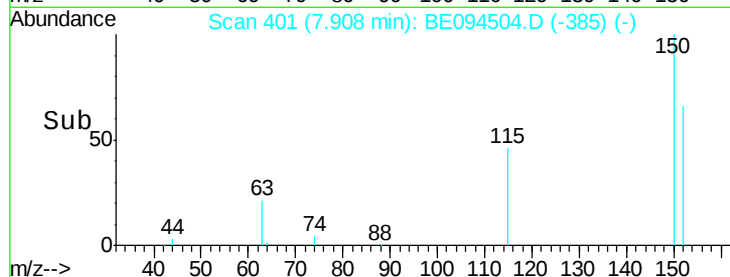
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.91

Time-->



#2

1,4-Dioxane

Concen: 0.01 ng

RT: 3.55 min Scan# 55

Delta R.T. 0.13 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

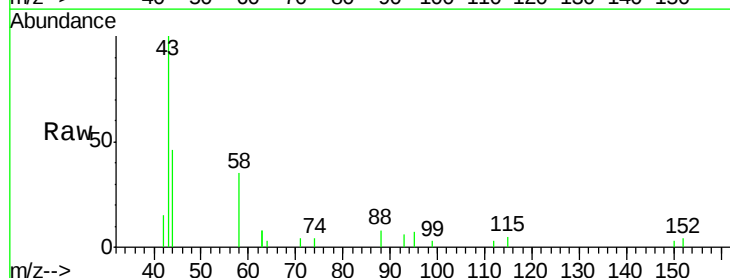
Tgt Ion: 88 Resp: 12

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

43 0.0 41.2 61.8#



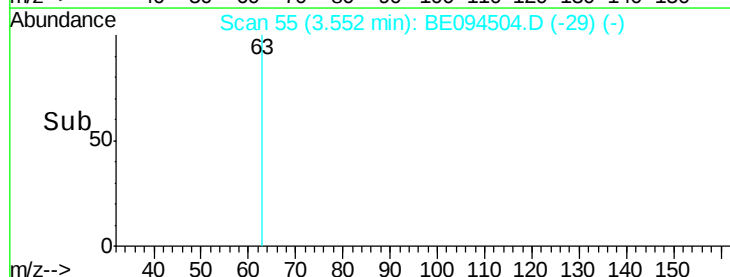
Abundance Ion 88.00 (87.70 to 88.70): BE0

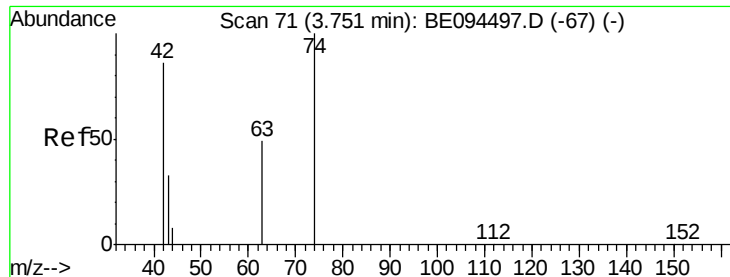
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.55

Time-->



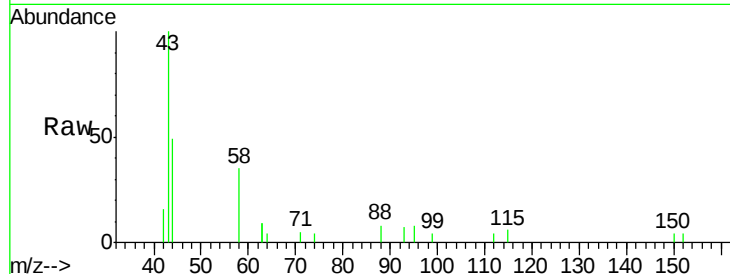


#3

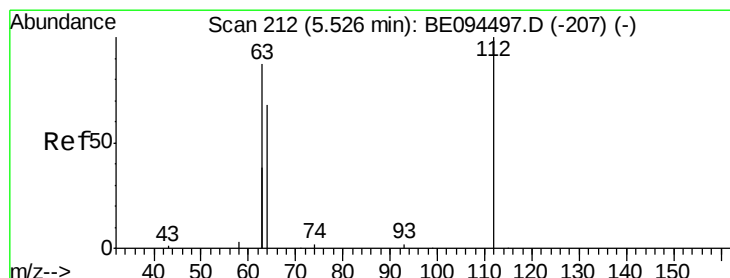
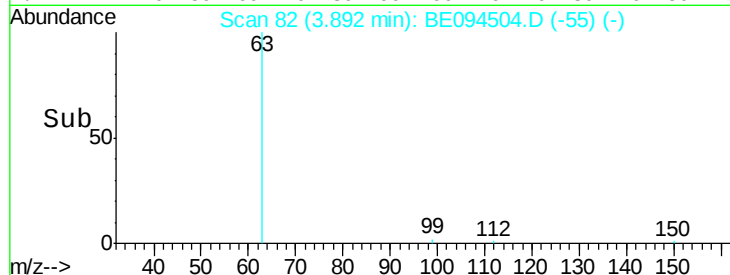
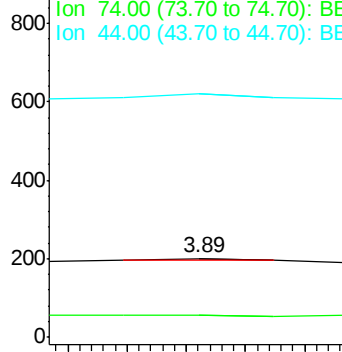
n-Nitrosodimethylamine
 Concen: 0.00 ng
 RT: 3.89 min Scan# 82
 Delta R.T. 0.14 min
 Lab File: BE094504.D
 Acq: 23 Oct 2017 20:24

Instrument :
 BNA_E
 ClientSampleId :
 PB103539TB

Tot Ion: 42 Resp: 6
 Ion Ratio Lower Upper
 42 100
 74 0.0 100.3 150.5#
 44 0.0 17.0 25.4#



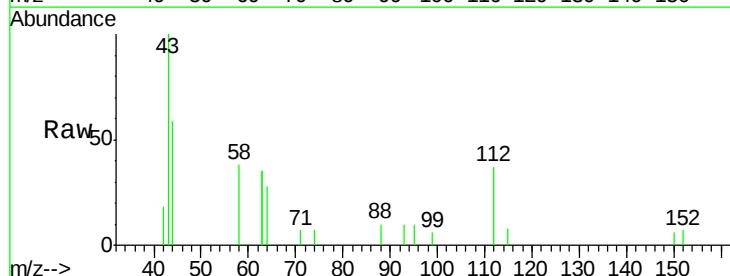
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



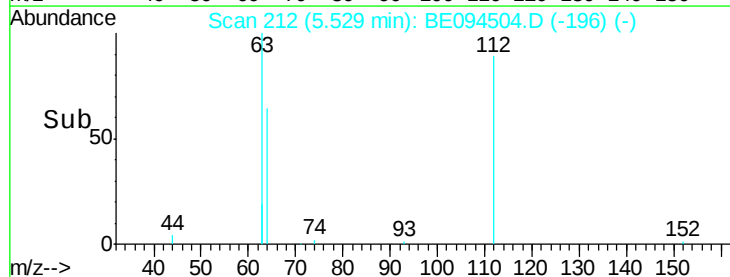
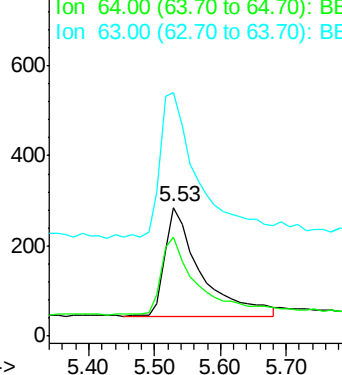
#4

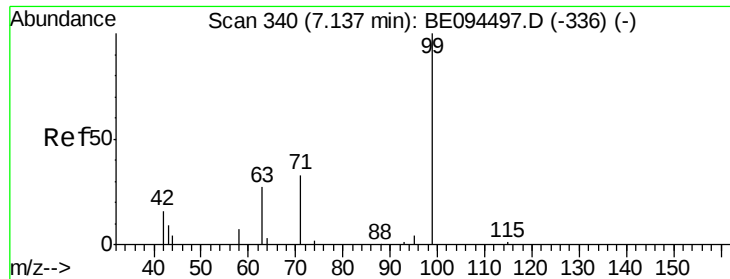
2-Fluorophenol
 Concen: 0.23 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: BE094504.D
 Acq: 23 Oct 2017 20:24

Tgt Ion: 112 Resp: 909
 Ion Ratio Lower Upper
 112 100
 64 72.5 60.1 90.1
 63 146.8 116.8 175.2



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: 0.18 ng

RT: 7.23 min Scan# 347

Delta R.T. 0.09 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

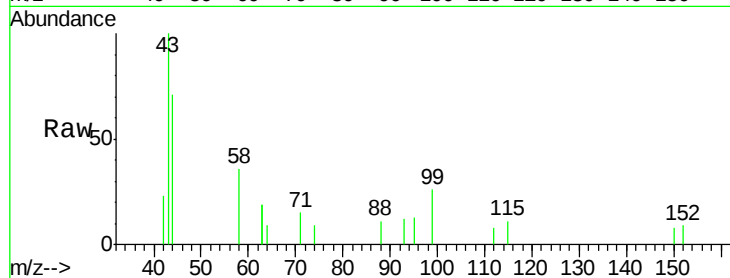
Tot Ion: 99 Resp: 1073

Ion Ratio Lower Upper

99 100

42 14.3 20.2 30.2#

71 0.0 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

7.23

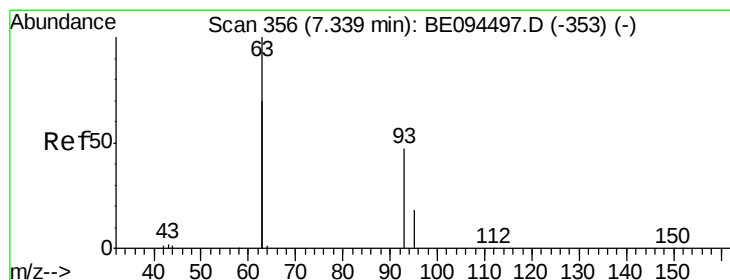
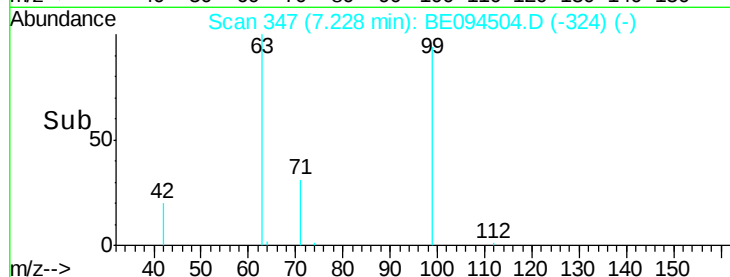
150

100

50

0

Time--> 7.00 7.20 7.40



#6

bis(2-Chloroethyl)ether

Concen: 0.00 ng

RT: 7.37 min Scan# 358

Delta R.T. 0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

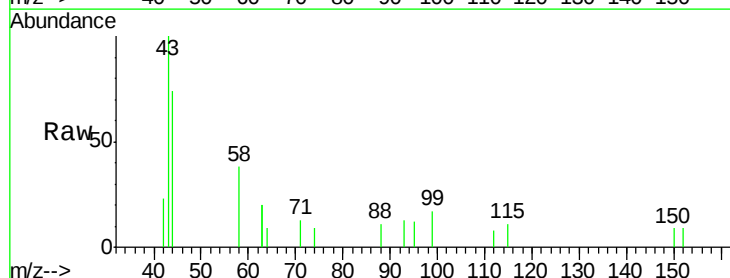
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

7.37

300

250

200

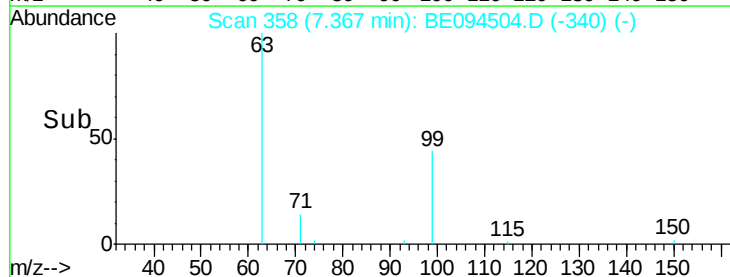
150

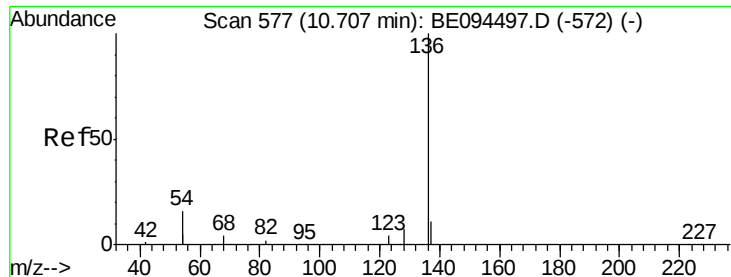
100

50

0

Time--> 7.32 7.34 7.36 7.38 7.40





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

Tot Ion:136 Resp: 5577

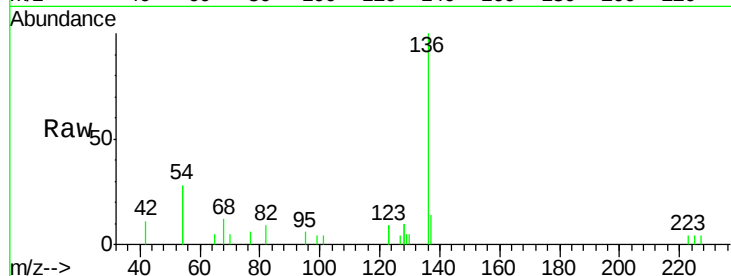
Ion Ratio Lower Upper

136 100

137 14.1 9.5 14.3

54 56.6 29.1 43.7#

68 11.8 6.2 9.2#

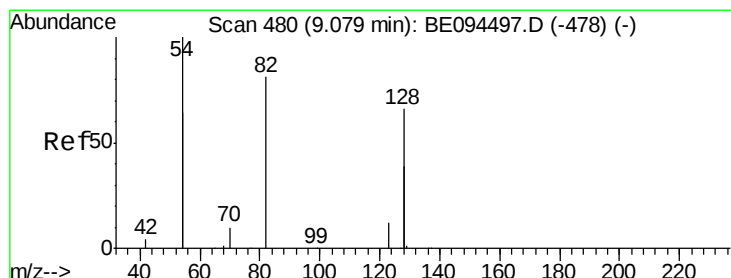
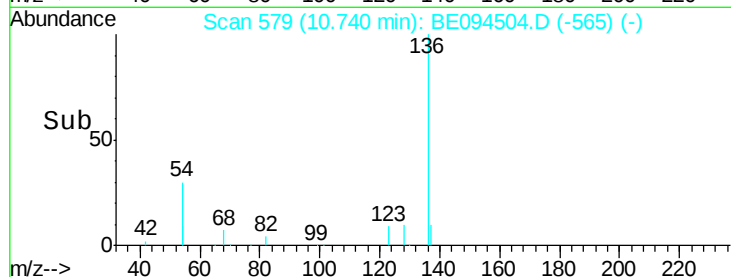
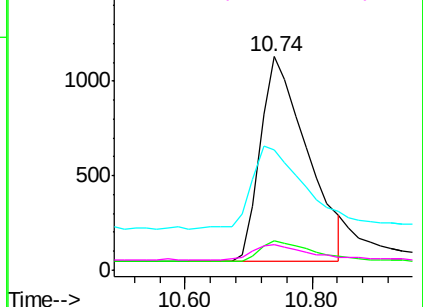


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.19 ng

RT: 9.15 min Scan# 484

Delta R.T. 0.07 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

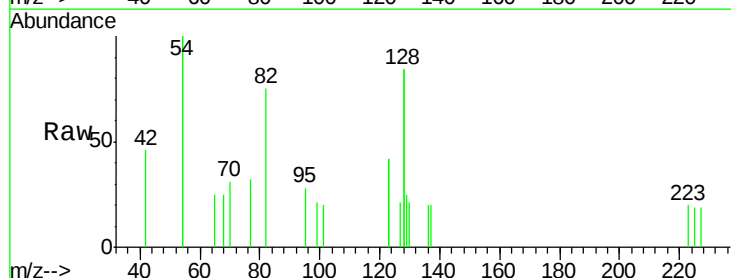
Tgt Ion: 82 Resp: 826

Ion Ratio Lower Upper

82 100

128 224.0 150.0 225.0

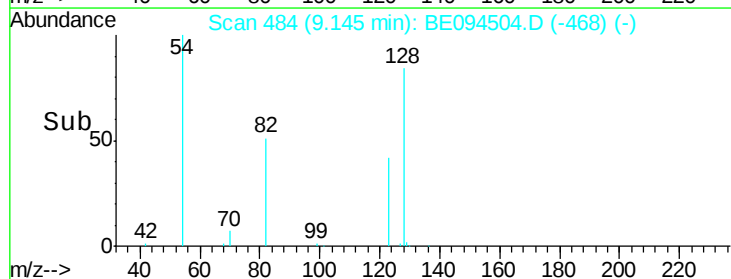
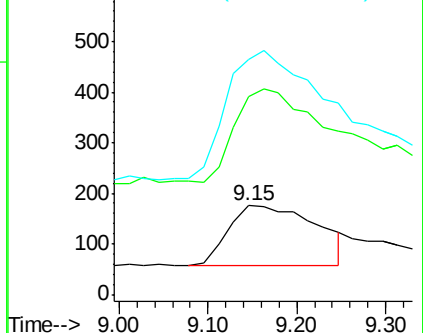
54 265.1 154.2 231.4#

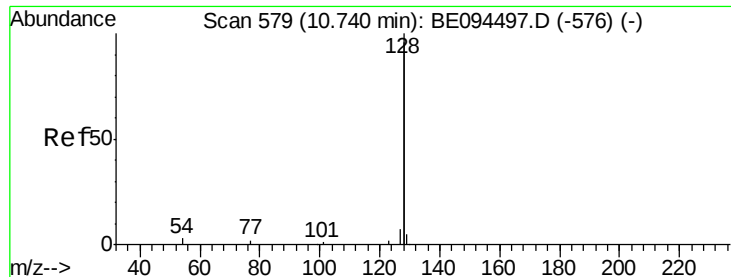


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.00 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

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PB103539TB

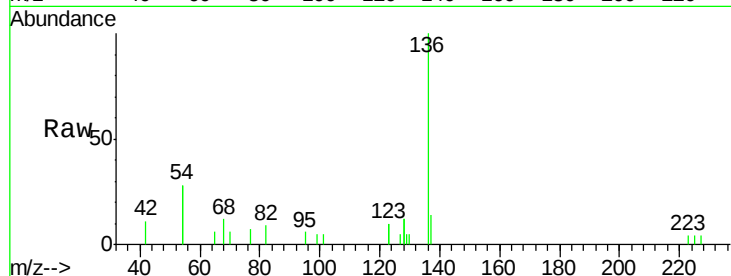
Tot Ion:128 Resp: 87

Ion Ratio Lower Upper

128 100

129 22.6 2.6 3.8#

127 20.1 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

10.76

250

200

150

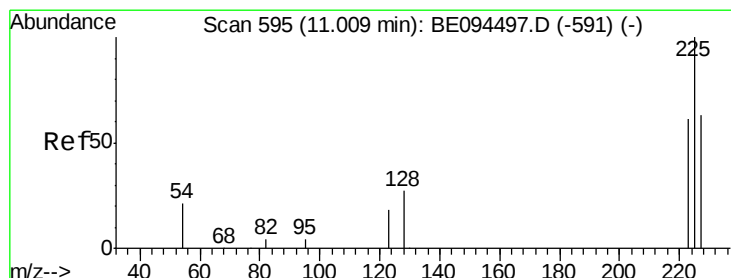
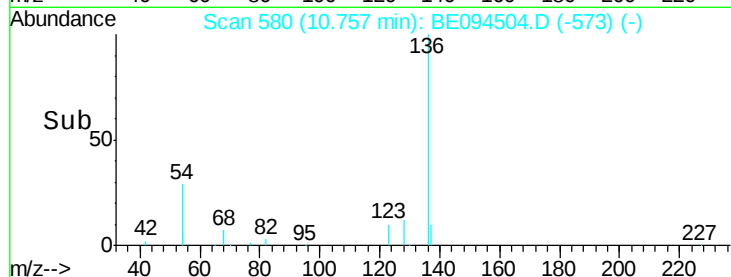
100

50

0

10.70 10.80 10.90

Time-->



#10

Hexachlorobutadiene

Concen: 0.00 ng

RT: 11.03 min Scan# 596

Delta R.T. 0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

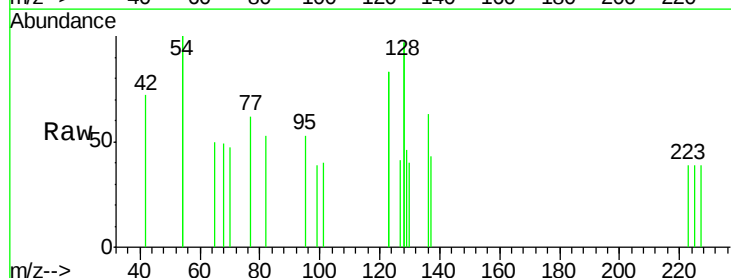
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

227 0.0 51.4 77.2#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

11.03

60

50

40

30

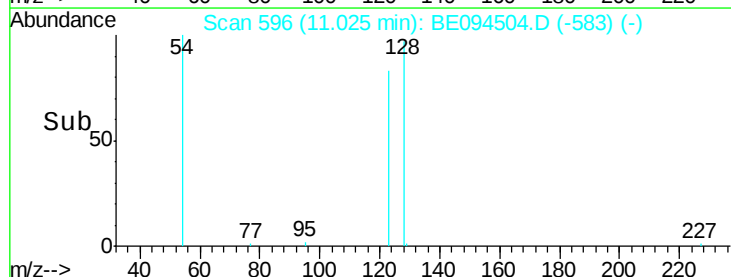
20

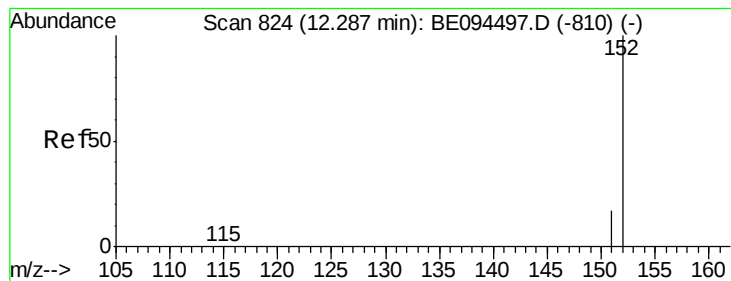
10

0

11.00 11.05

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.27 ng

RT: 12.34 min Scan# 838

Delta R.T. 0.05 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

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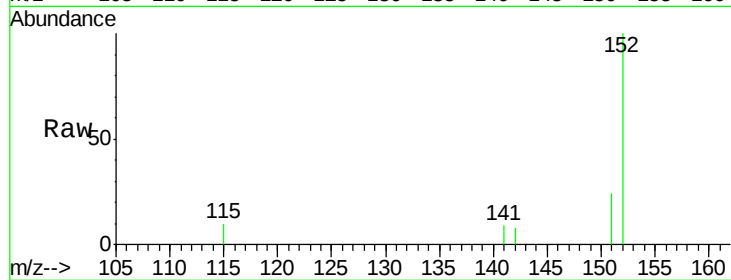
PB103539TB

Tot Ion:152 Resp: 2401

Ion Ratio Lower Upper

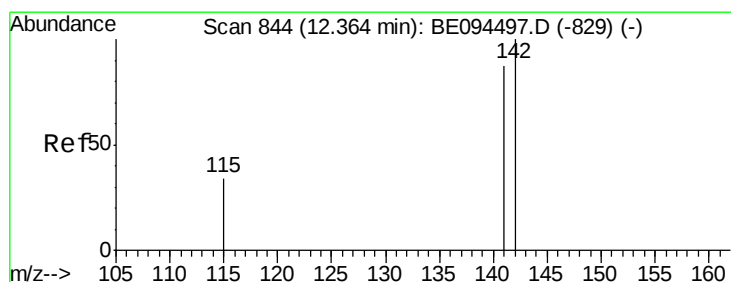
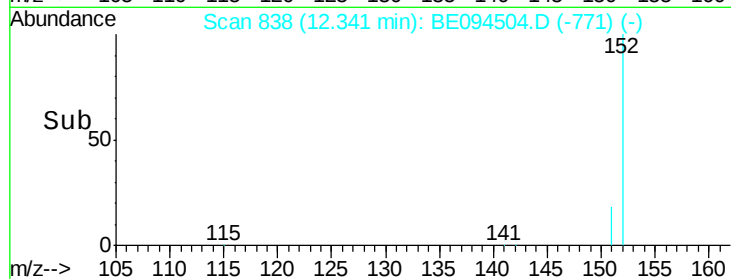
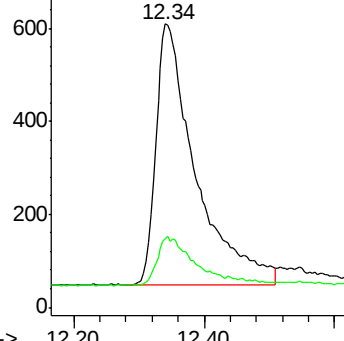
152 100

151 16.5 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: 0.00 ng

RT: 12.40 min Scan# 853

Delta R.T. 0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

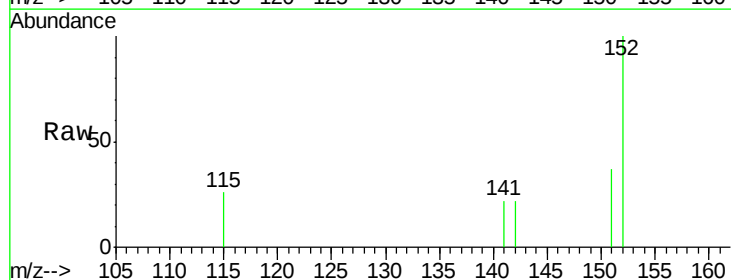
Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 98.0 70.4 105.6

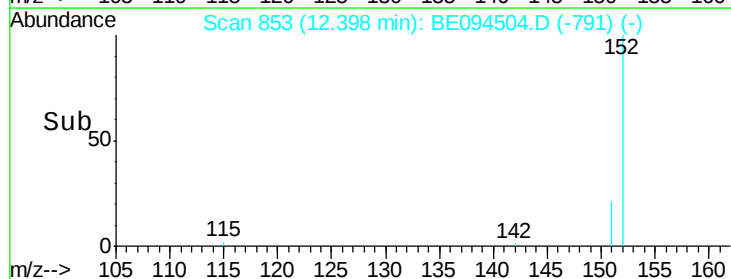
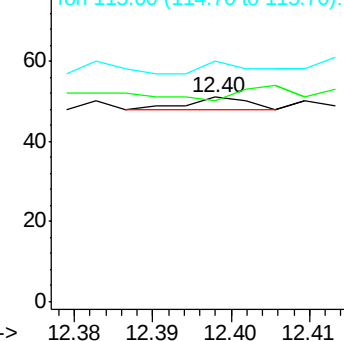
115 117.6 31.7 47.5#

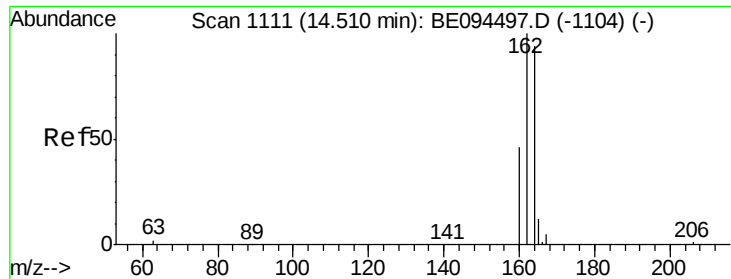


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.03 min

Lab File: BE094504.D

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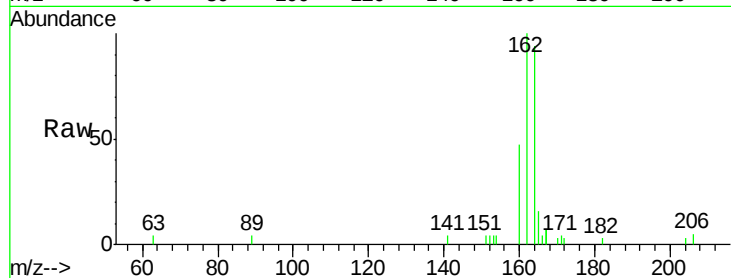
Tot Ion:164 Resp: 3747

Ion Ratio Lower Upper

164 100

162 106.3 83.1 124.7

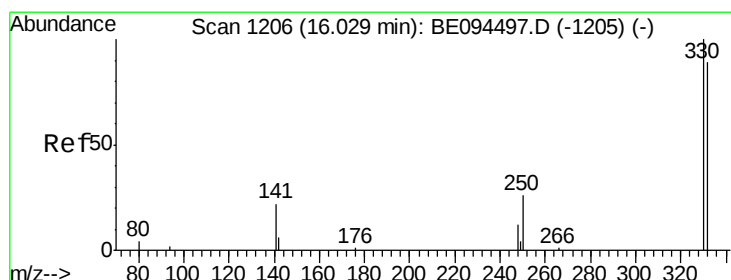
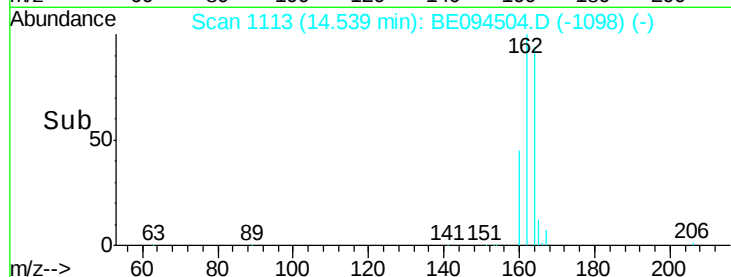
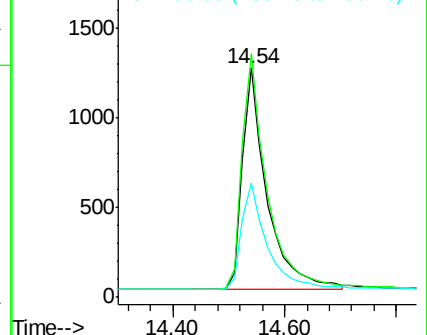
160 49.6 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.14 ng

RT: 16.09 min Scan# 1208

Delta R.T. 0.06 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

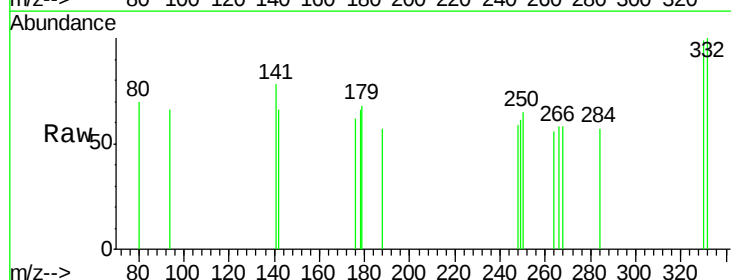
Tgt Ion:330 Resp: 145

Ion Ratio Lower Upper

330 100

332 102.8 152.7 229.1#

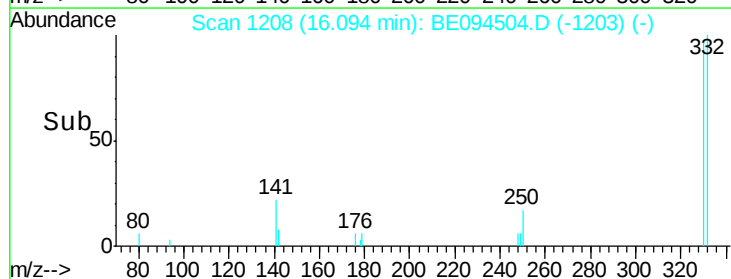
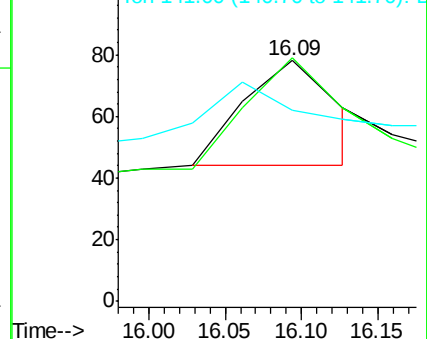
141 0.0 33.7 50.5#

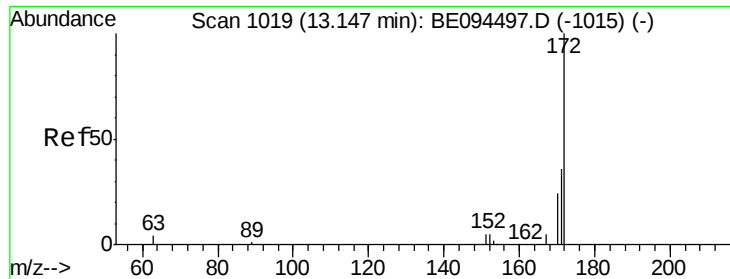


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

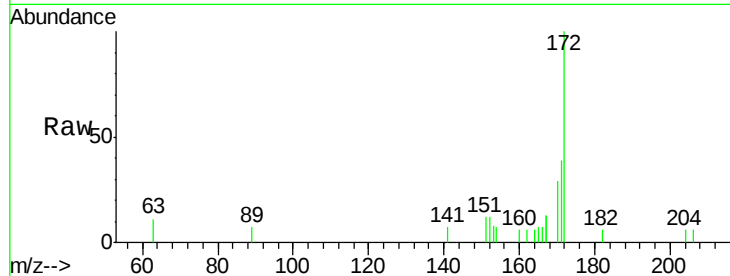




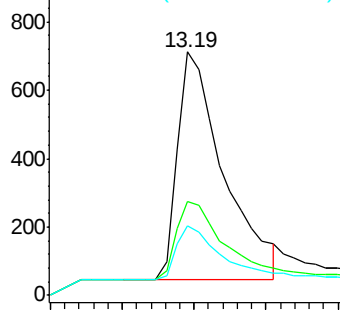
#15
2-Fluorobiphenyl
Concen: 0.23 ng
RT: 13.19 min Scan# 1022
Delta R.T. 0.04 min
Lab File: BE094504.D
Acq: 23 Oct 2017 20:24

Instrument :
BNA_E
ClientSampleId :
PB103539TB

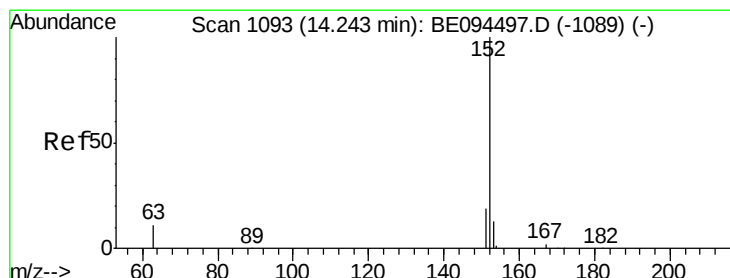
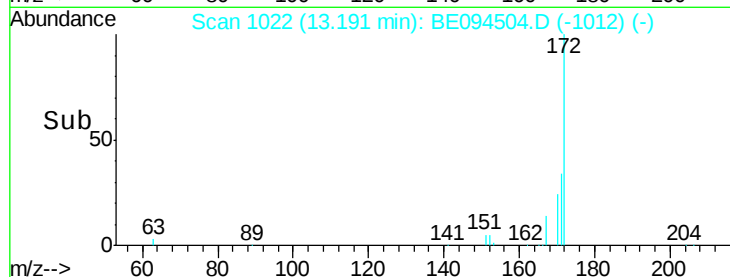
Tot Ion:172 Resp: 2990
Ion Ratio Lower Upper
172 100
171 38.6 29.9 44.9
170 28.5 21.8 32.8



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

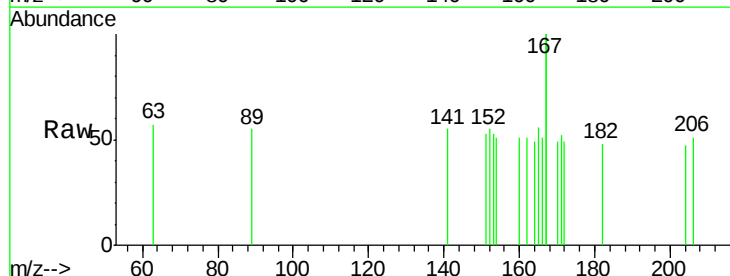


Time--> 13.00 13.10 13.20 13.30

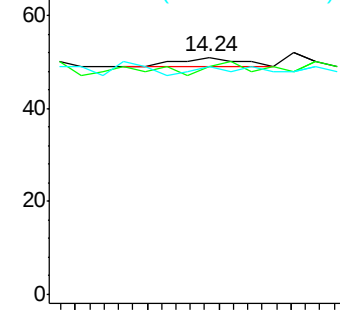


#16
Acenaphthylene
Concen: 0.00 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE094504.D
Acq: 23 Oct 2017 20:24

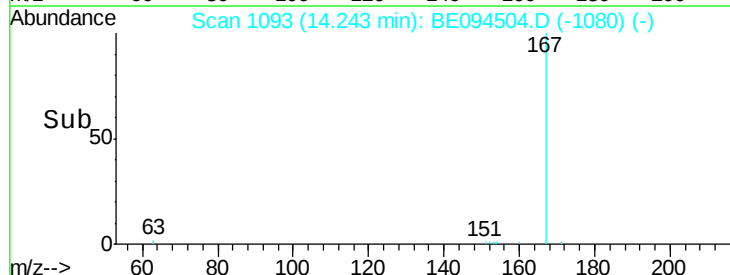
Tgt Ion:152 Resp: 5
Ion Ratio Lower Upper
152 100
151 160.0 15.7 23.5#
153 140.0 10.5 15.7#

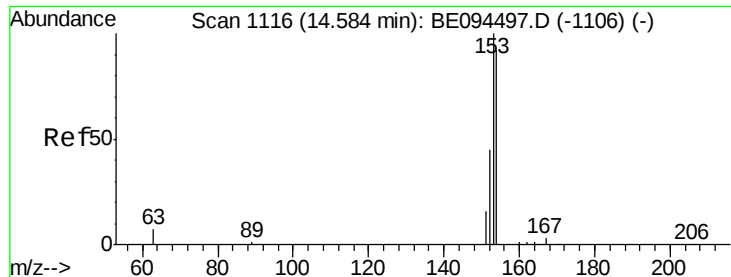


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 14.15 14.20 14.25 14.30





#17

Acenaphthene

Concen: 0.00 ng

RT: 14.60 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

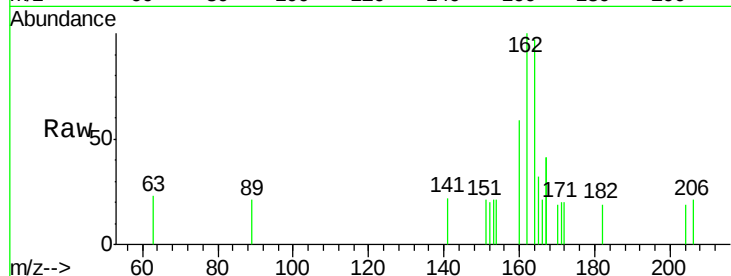
Tot Ion:154 Resp: 2

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

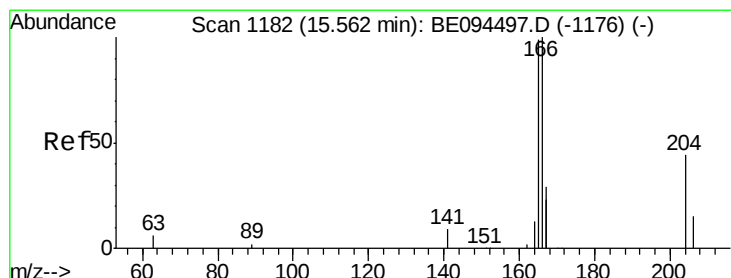
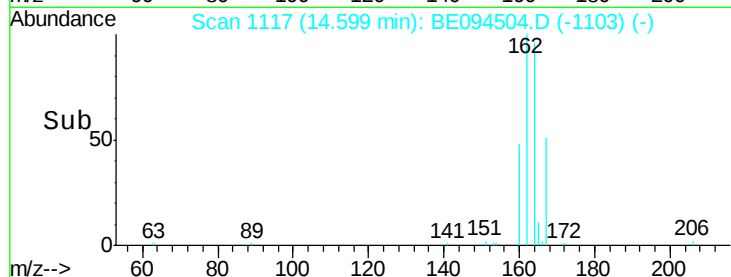
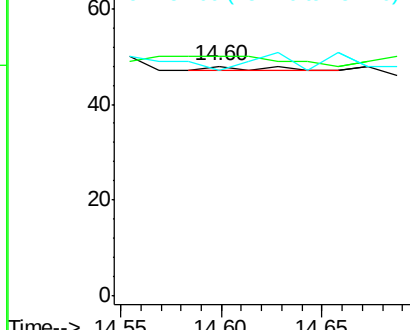
152 0.0 42.0 63.0#



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: 0.00 ng

RT: 15.59 min Scan# 1184

Delta R.T. 0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

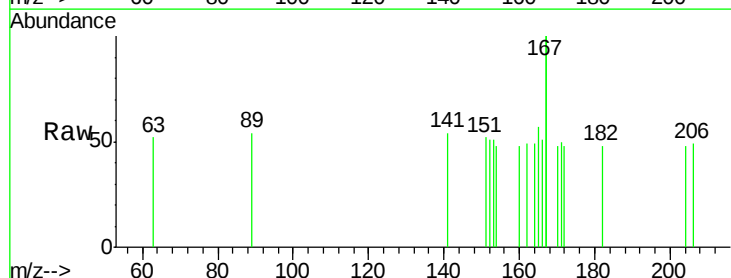
Tgt Ion:166 Resp: 4

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

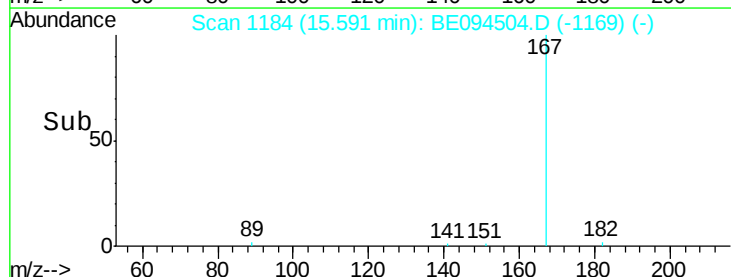
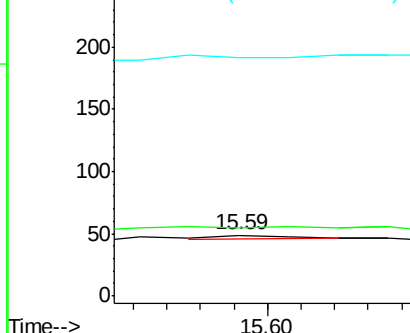
167 0.0 42.4 63.6#

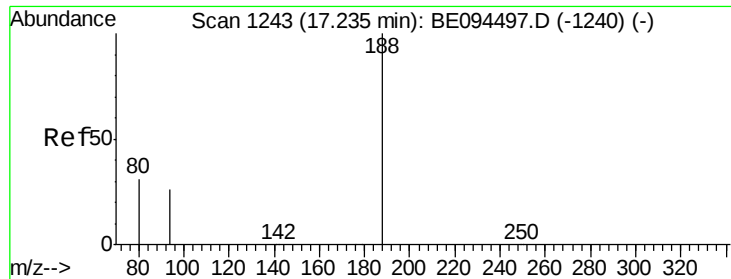


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

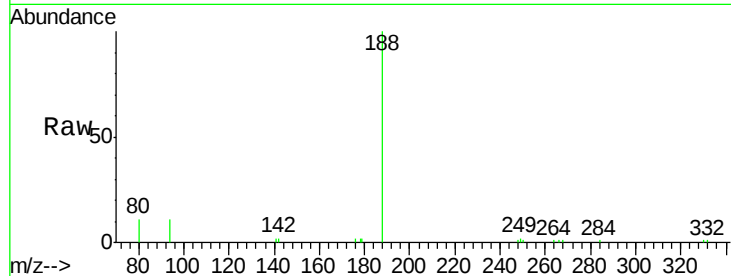
Tot Ion:188 Resp: 9556

Ion Ratio Lower Upper

188 100

94 10.8 3.9 5.9#

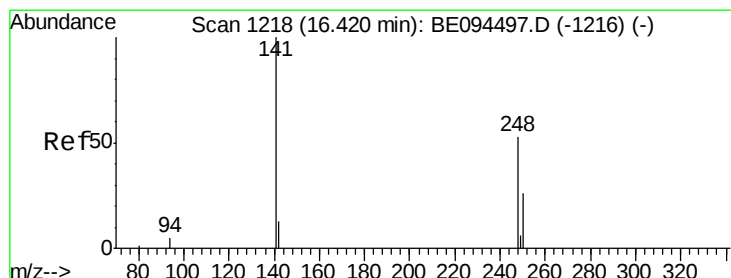
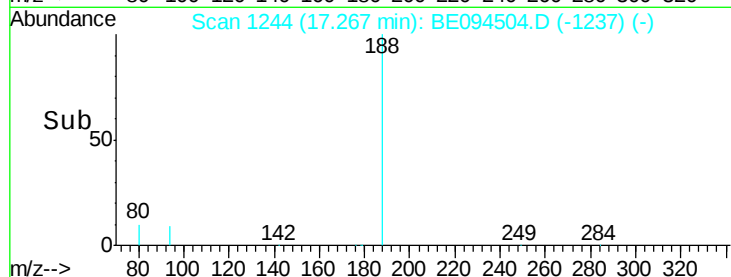
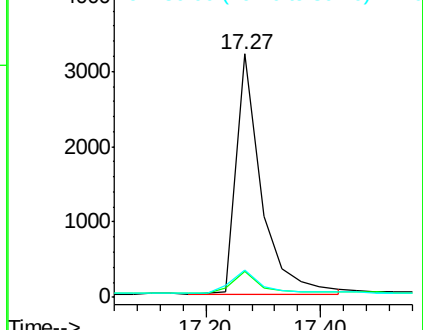
80 11.4 3.6 5.4#



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: 0.00 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.13 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

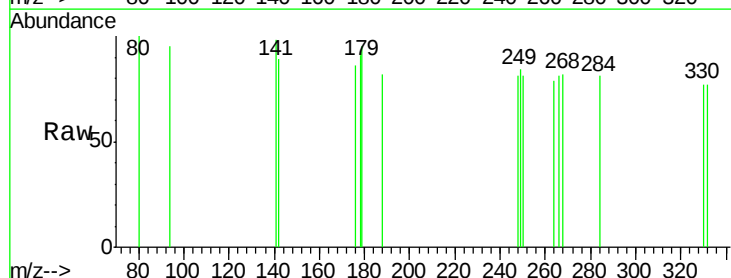
Tgt Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

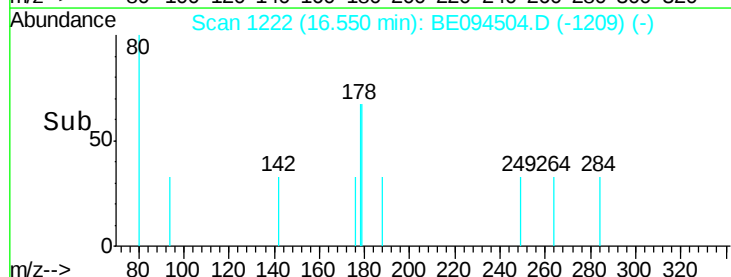
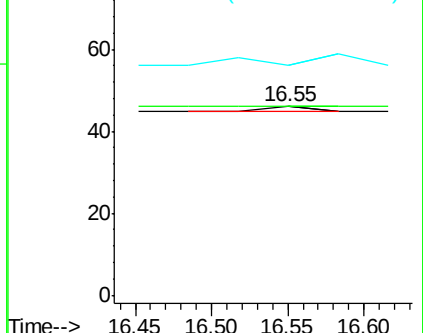
141 121.7 48.2 72.2#

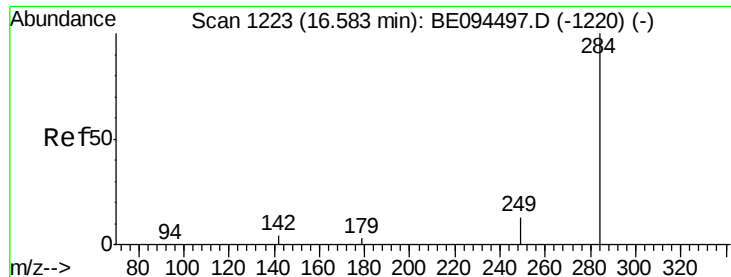


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.00 ng

RT: 16.65 min Scan# 1225

Delta R.T. 0.06 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

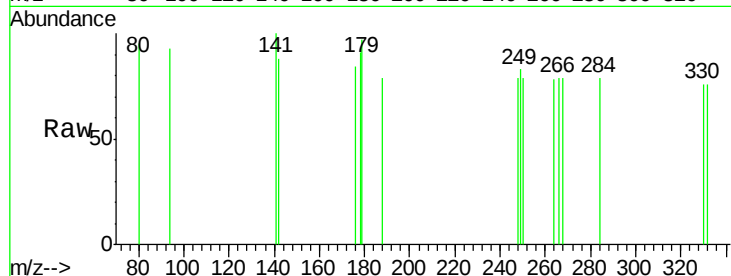
Tot Ion:284 Resp: 6

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

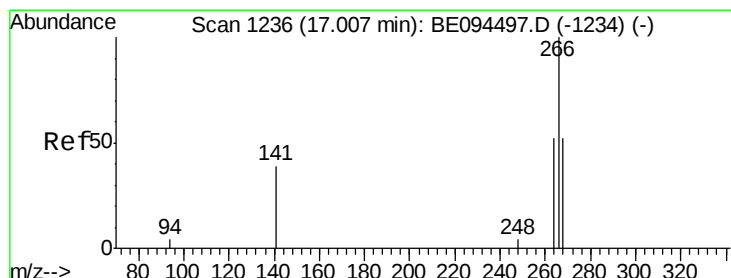
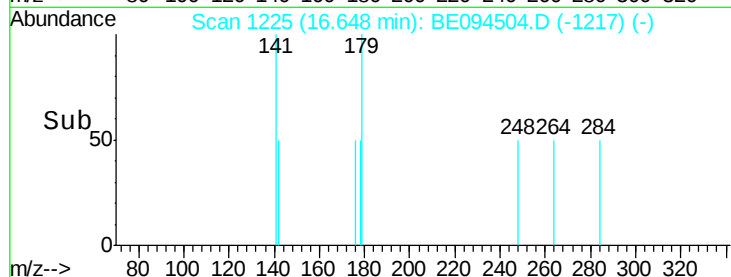
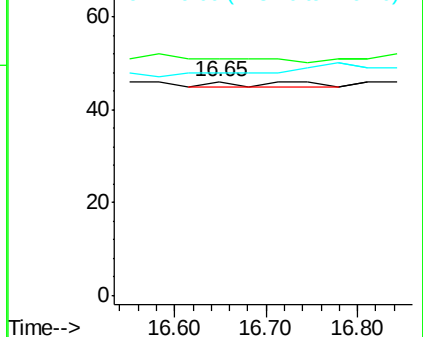
249 0.0 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.01 ng

RT: 17.07 min Scan# 1238

Delta R.T. 0.06 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

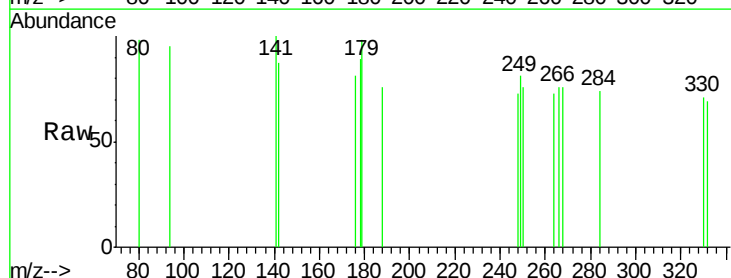
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 95.7 72.5 108.7

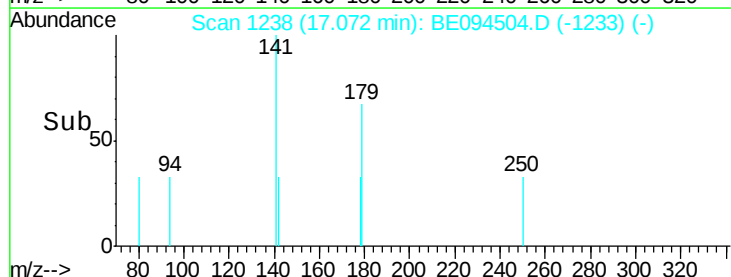
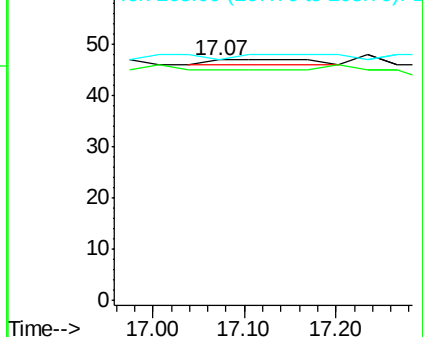
268 100.0 73.8 110.6

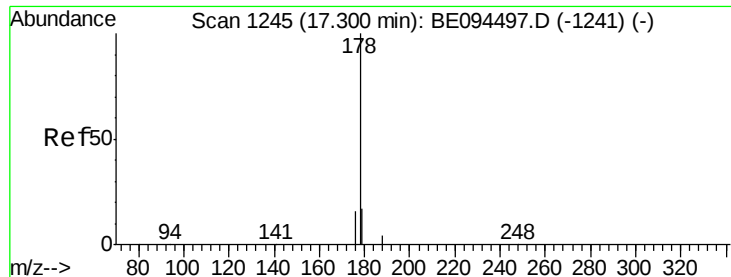


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

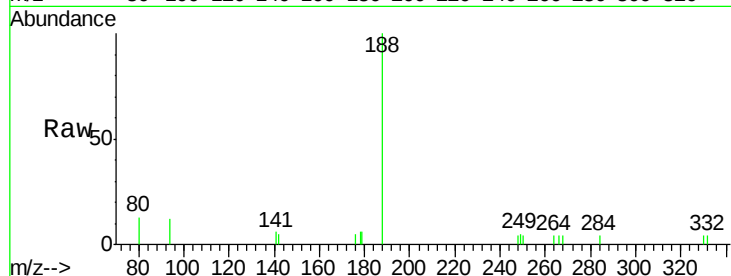
Tot Ion:178 Resp: 39

Ion Ratio Lower Upper

178 100

176 25.6 15.1 22.7#

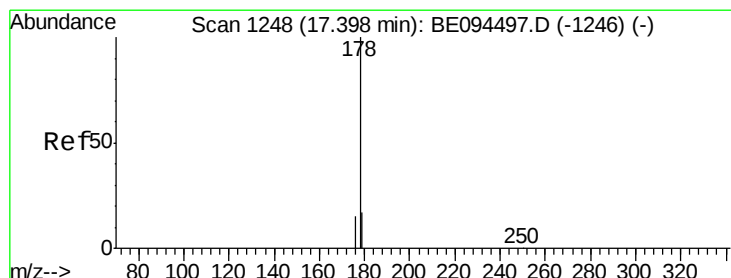
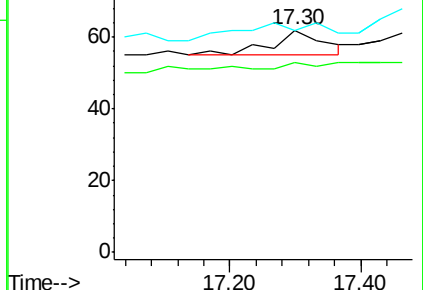
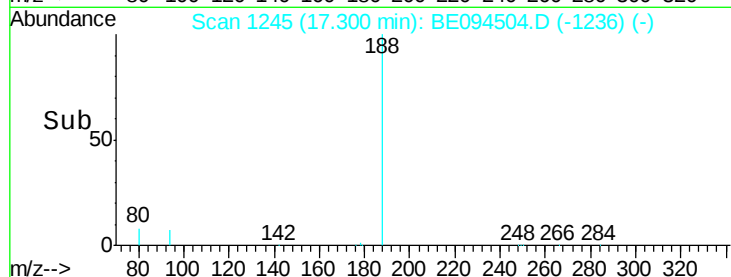
179 0.0 11.8 17.6#



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: 0.00 ng

RT: 17.46 min Scan# 1250

Delta R.T. 0.06 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

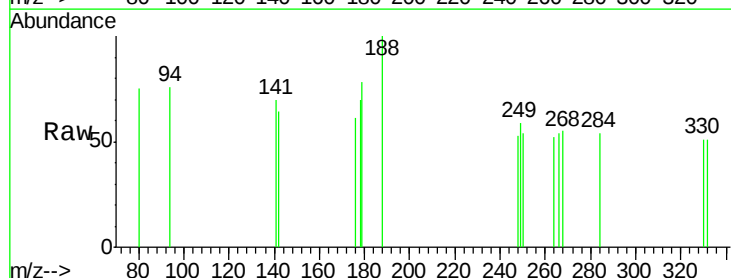
Tgt Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

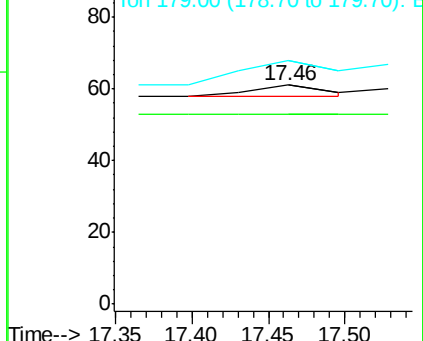
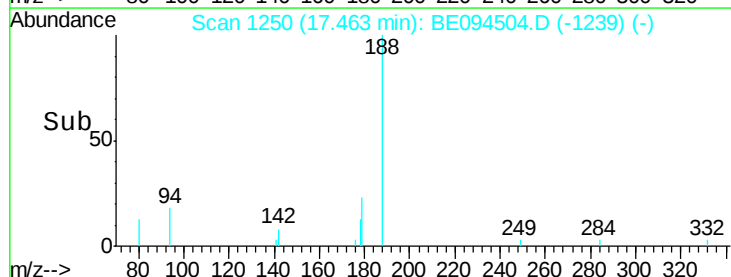
179 290.0 13.0 19.6#

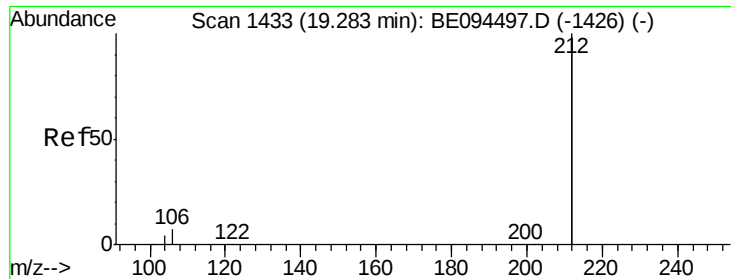


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.19 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

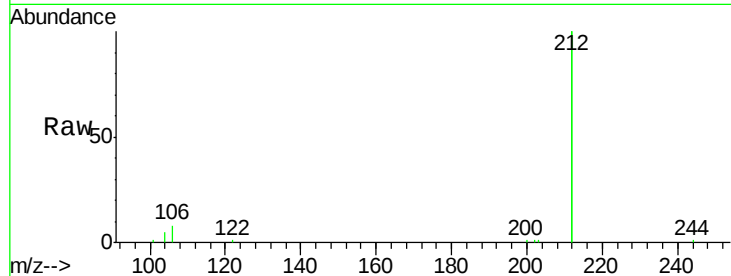
Tot Ion:212 Resp: 26795

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

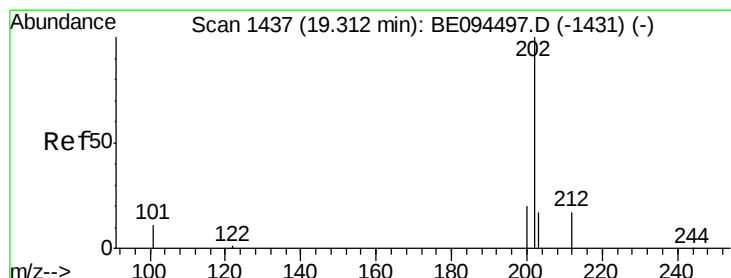
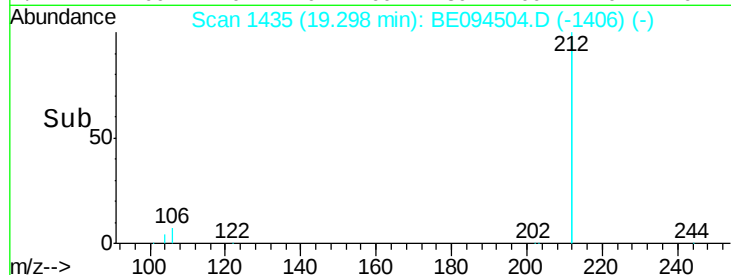
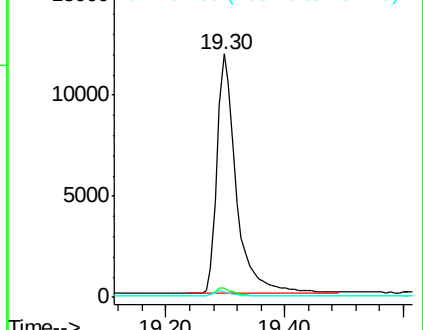
104 2.0 1.6 2.4



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: Below Cal

RT: 19.33 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

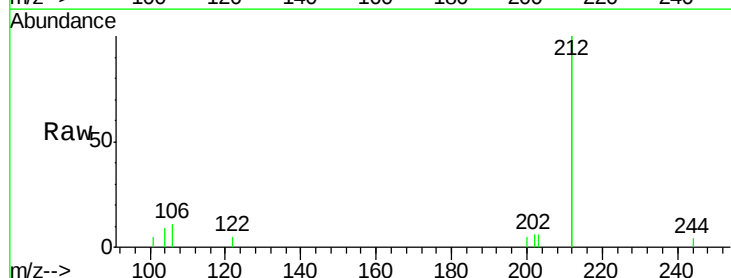
Tgt Ion:202 Resp: 21

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

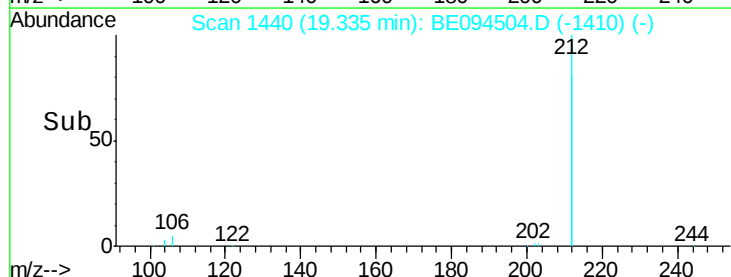
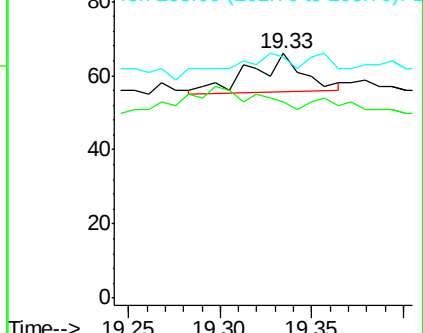
203 76.2 13.7 20.5#

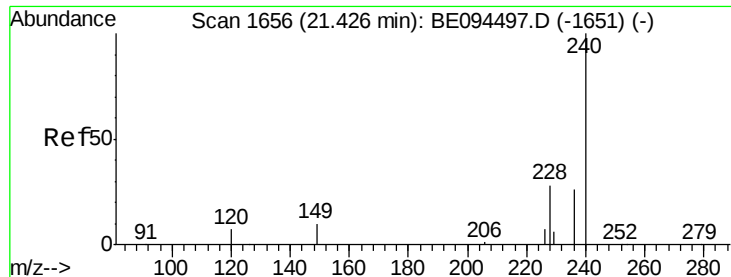


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

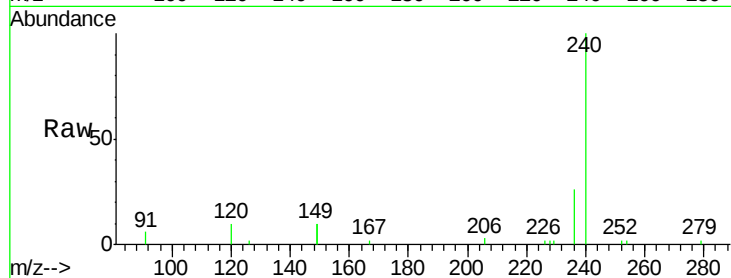
Tot Ion:240 Resp: 9386

Ion Ratio Lower Upper

240 100

120 10.4 5.5 8.3#

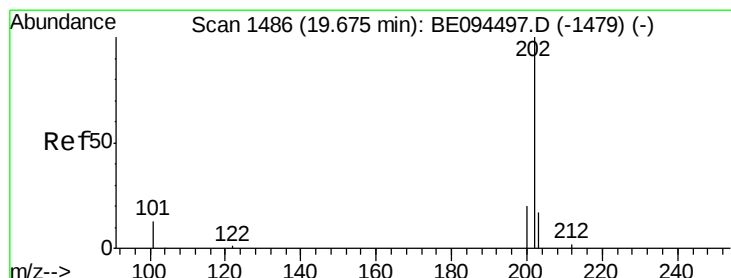
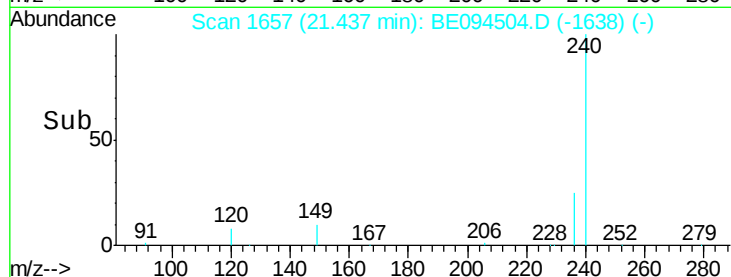
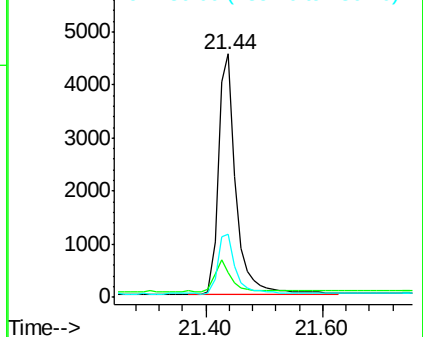
236 26.1 20.7 31.1



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: 0.00 ng

RT: 19.69 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

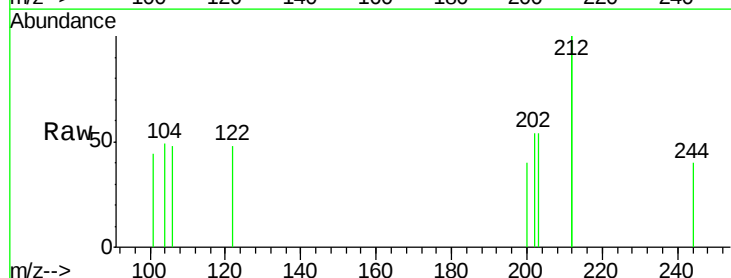
Tgt Ion:202 Resp: 37

Ion Ratio Lower Upper

202 100

200 10.8 16.6 25.0#

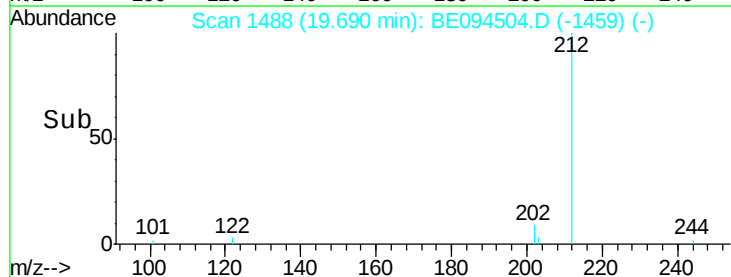
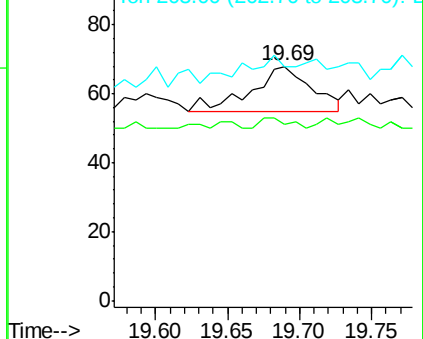
203 48.6 13.8 20.8#

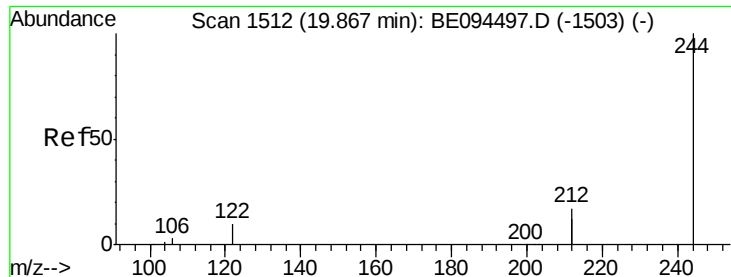


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.24 ng

RT: 19.87 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

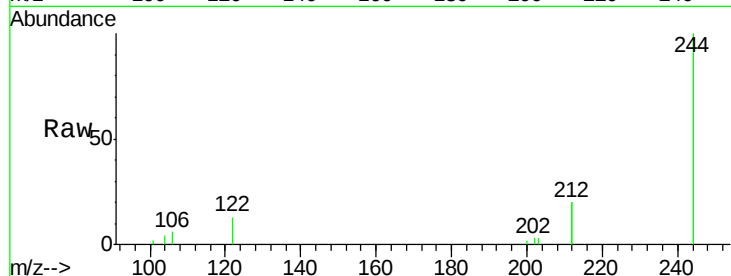
Tot Ion:244 Resp: 4194

Ion Ratio Lower Upper

244 100

212 39.4 25.4 38.0#

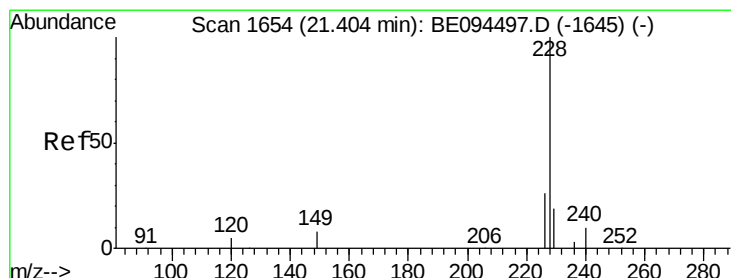
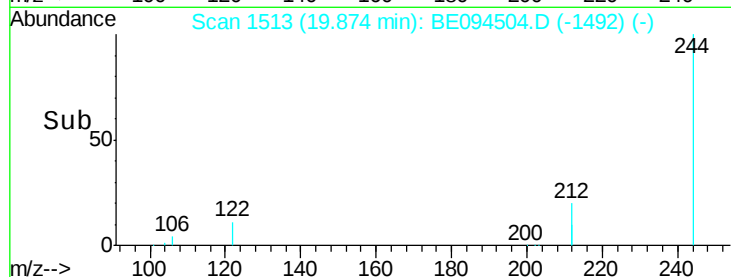
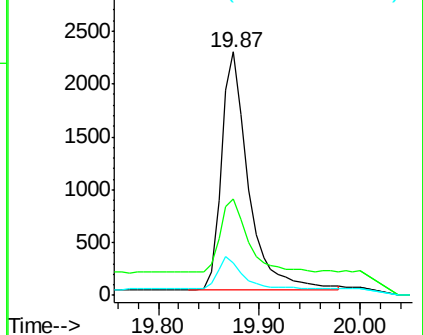
122 13.1 8.1 12.1#



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: 0.00 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

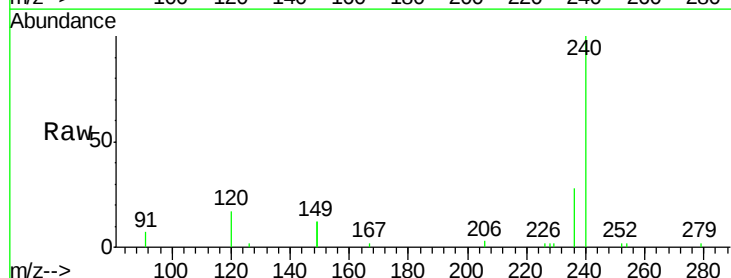
Tgt Ion:228 Resp: 109

Ion Ratio Lower Upper

228 100

226 83.7 40.0 60.0#

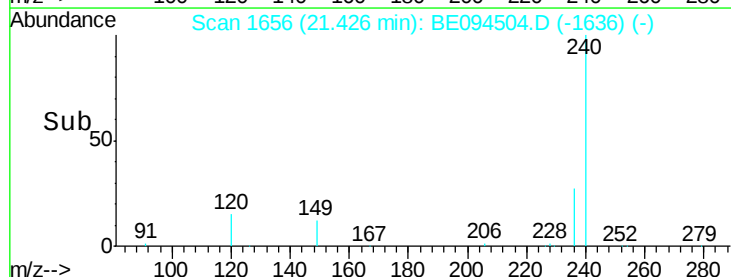
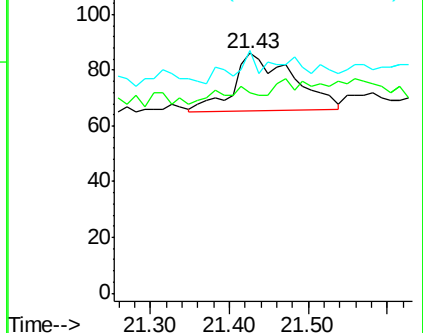
229 101.2 40.0 60.0#

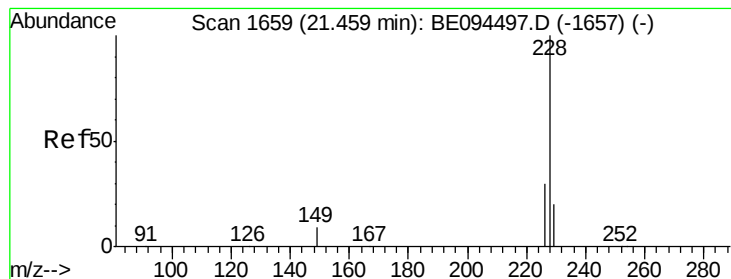


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.00 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

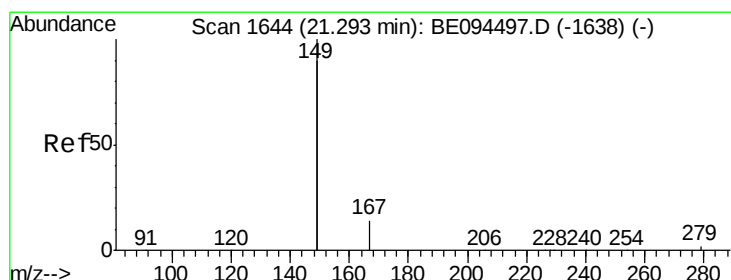
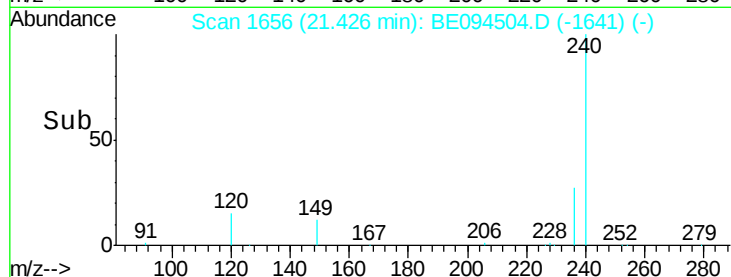
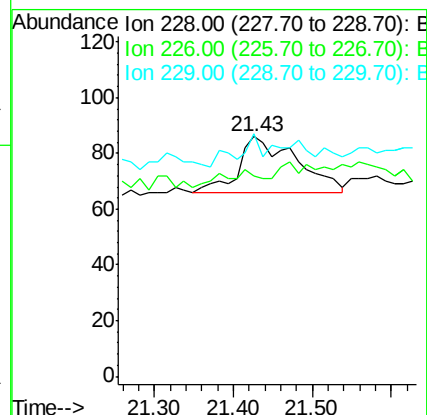
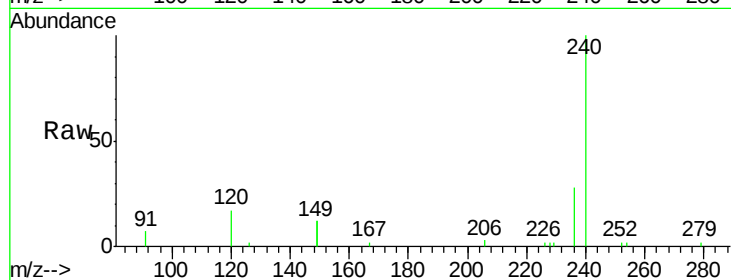
Tot Ion:228 Resp: 103

Ion Ratio Lower Upper

228 100

226 83.7 40.0 60.0#

229 101.2 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.01 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

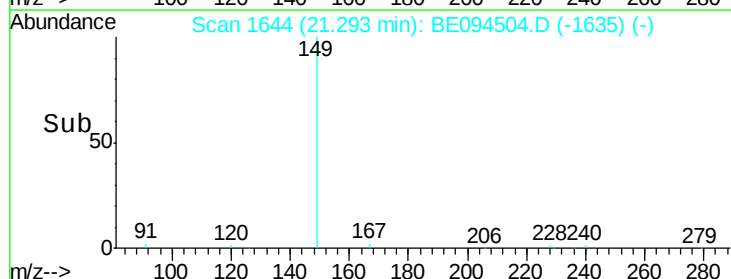
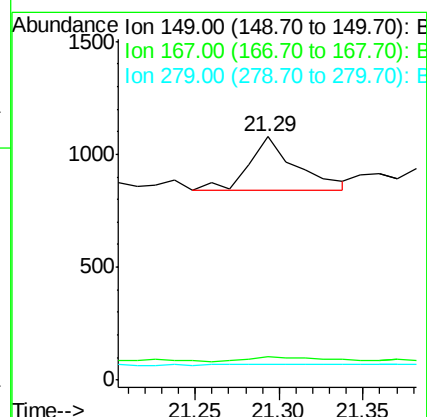
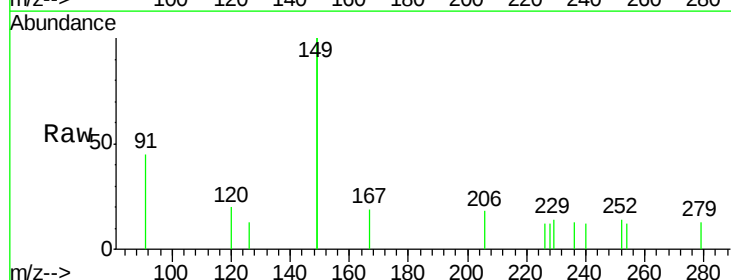
Tgt Ion:149 Resp: 469

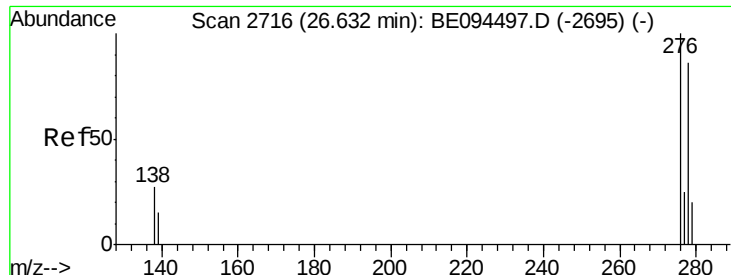
Ion Ratio Lower Upper

149 100

167 11.5 5.4 8.0#

279 3.2 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 26.65 min Scan# 2719

Delta R.T. 0.01 min

Lab File: BE094504.D

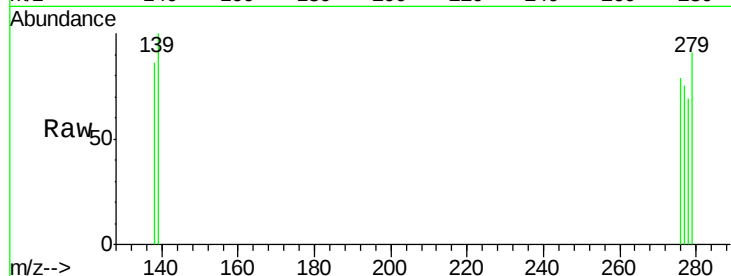
Acq: 23 Oct 2017 20:24

Instrument :

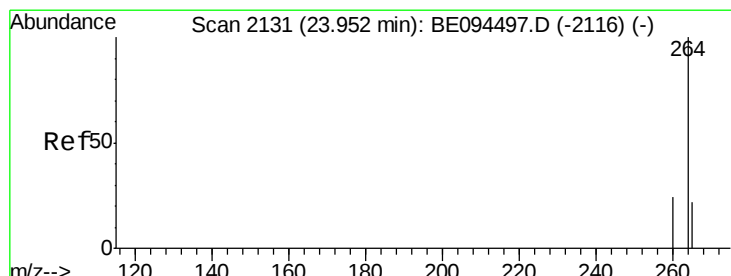
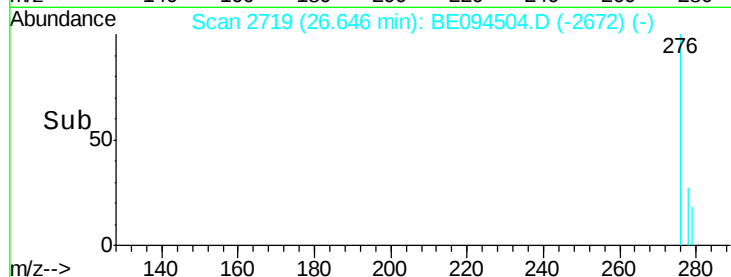
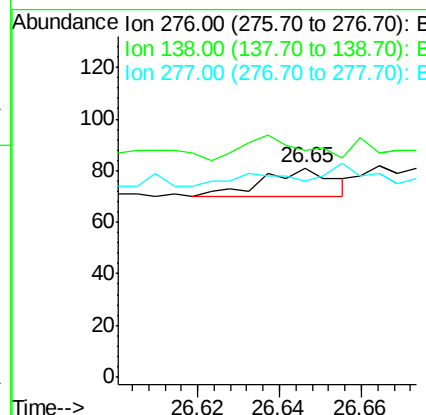
BNA_E

ClientSampleId :

PB103539TB



Tot Ion:276	Resp:	13
Ion	Ratio	Lower Upper
276	100	
138	76.9	22.5 33.7#
277	38.5	19.9 29.9#



#34

Perylene-d12

Concen: 0.40 ng

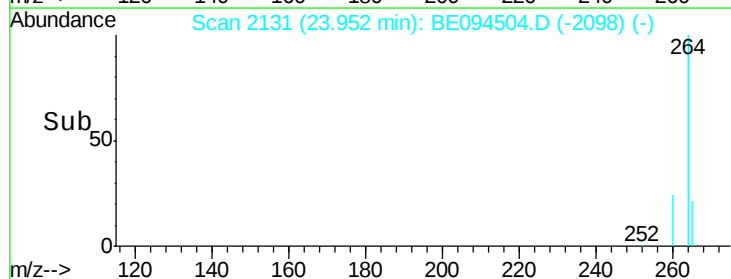
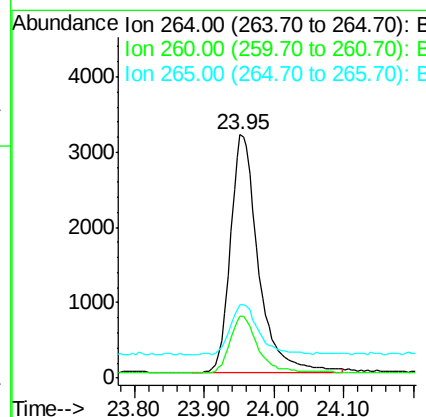
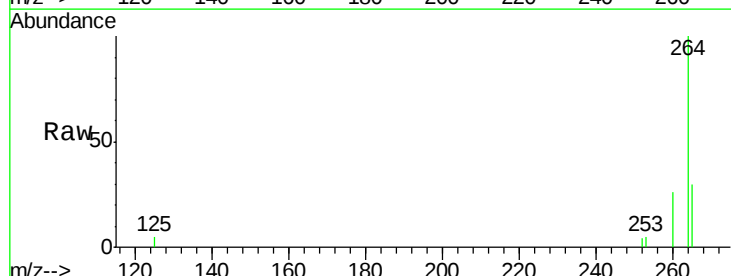
RT: 23.95 min Scan# 2131

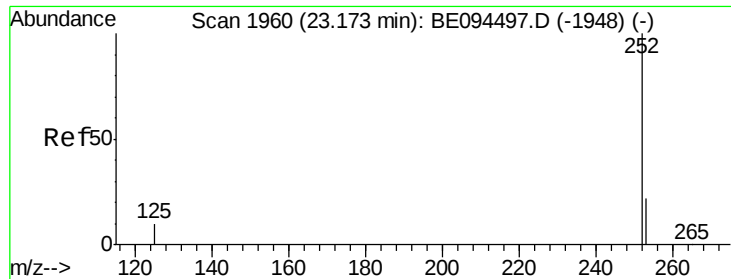
Delta R.T. 0.00 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Tgt Ion:264	Resp:	8956
Ion	Ratio	Lower Upper
264	100	
260	25.6	20.5 30.7
265	30.2	22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.00 ng

RT: 23.20 min Scan# 1965

Delta R.T. 0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

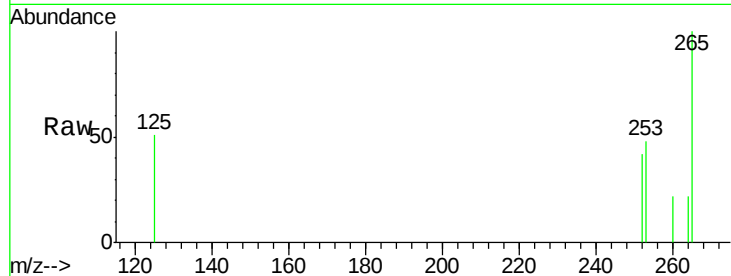
Tot Ion:252 Resp: 73

Ion Ratio Lower Upper

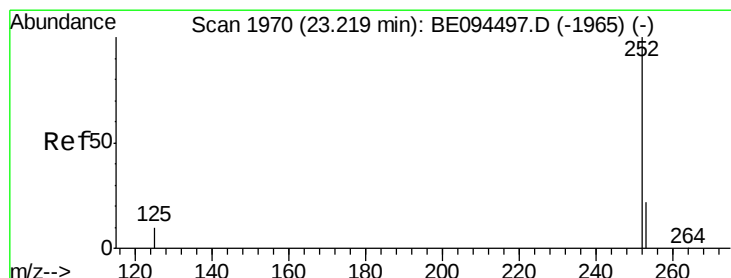
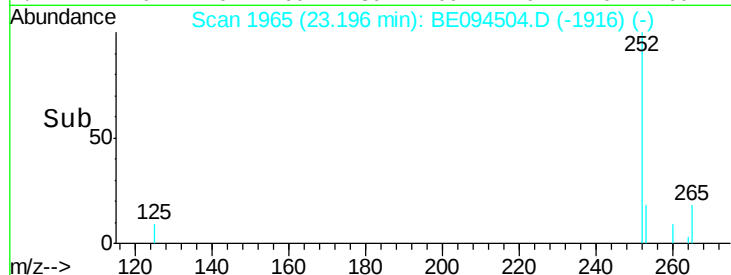
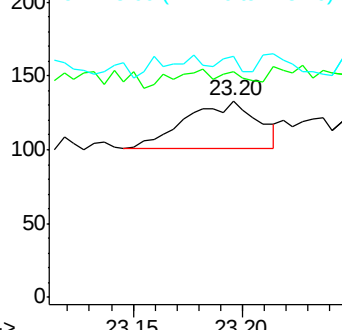
252 100

253 115.0 48.0 72.0#

125 122.6 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: 0.00 ng

RT: 23.20 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

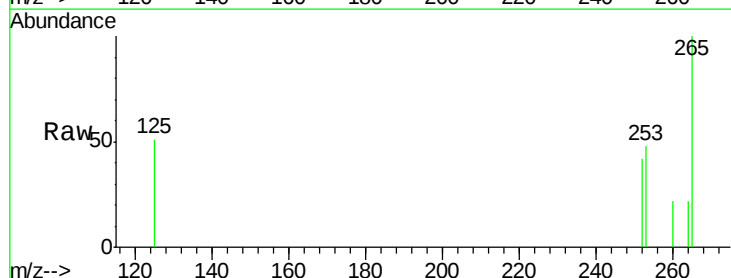
Tgt Ion:252 Resp: 73

Ion Ratio Lower Upper

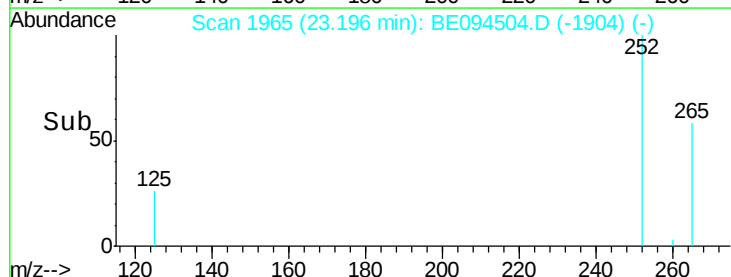
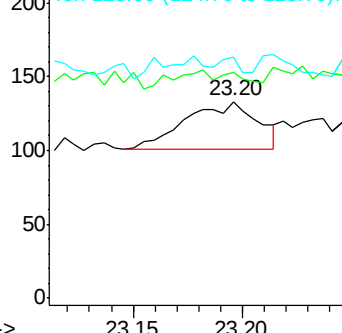
252 100

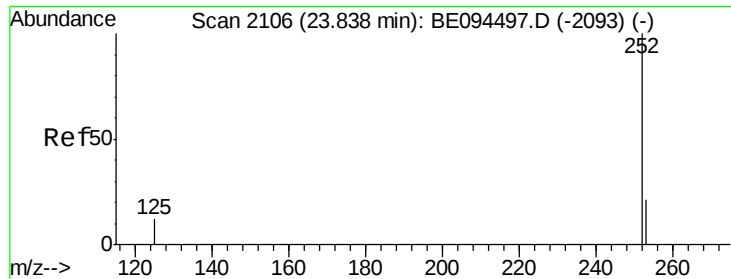
253 115.0 48.0 72.0#

125 122.6 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





#37

Benzo(a)pyrene

Concen: 0.00 ng

RT: 23.82 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

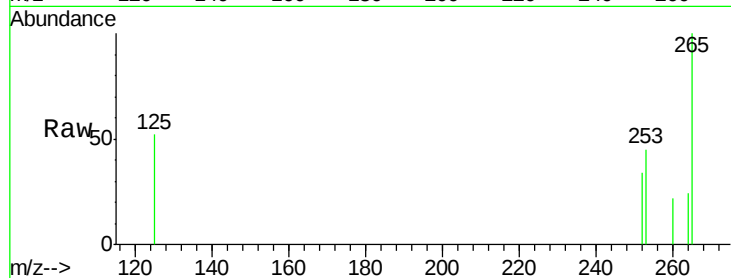
BNA_E

ClientSampleId :

PB103539TB

Tot Ion:252 Resp: 5

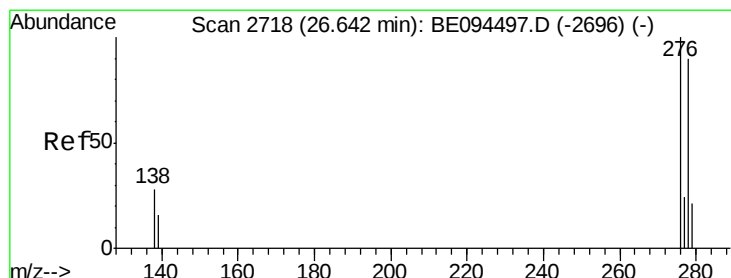
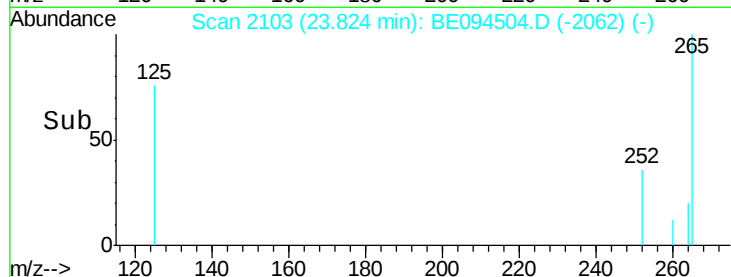
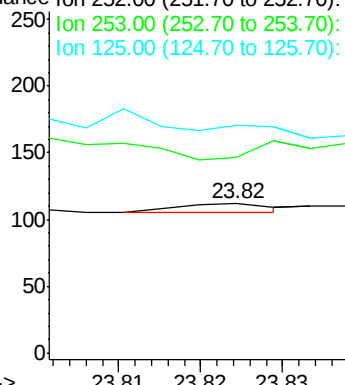
Ion	Ratio	Lower	Upper
252	100		
253	131.3	52.0	78.0#
125	152.7	68.0	102.0#



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: 0.00 ng

RT: 26.64 min Scan# 2718

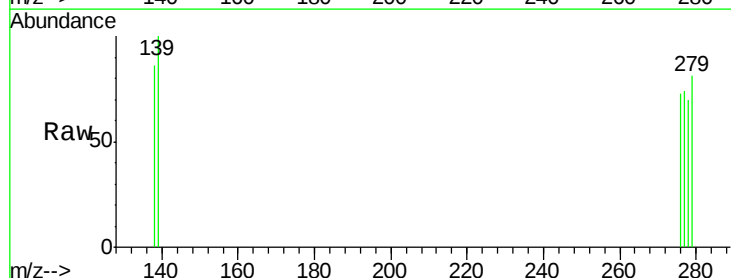
Delta R.T. 0.00 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Tgt Ion:278 Resp: 9

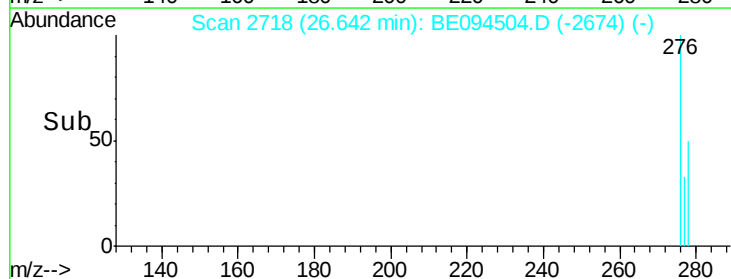
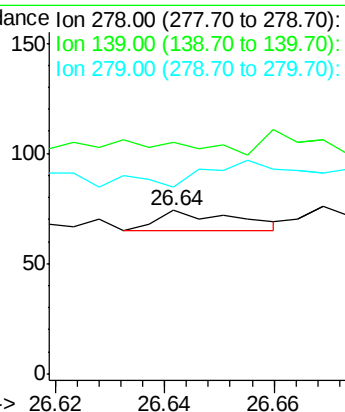
Ion	Ratio	Lower	Upper
278	100		
139	141.9	56.0	84.0#
279	114.9	52.0	78.0#

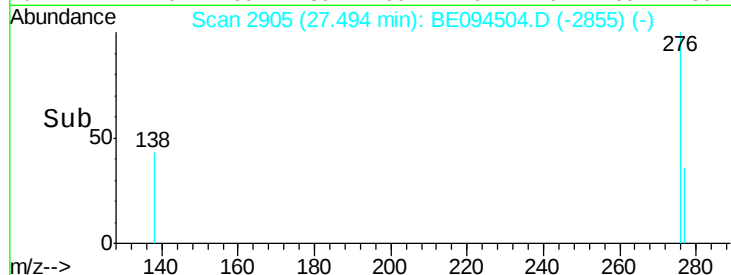
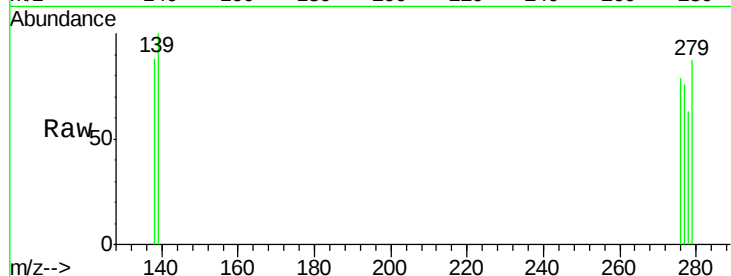
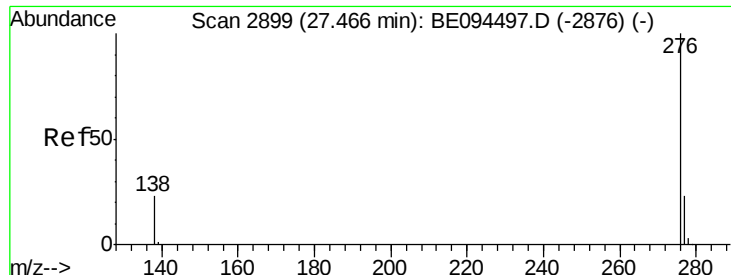


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng

RT: 27.49 min Scan# 2905

Delta R.T. 0.03 min

Lab File: BE094504.D

Acq: 23 Oct 2017 20:24

Instrument :

BNA_E

ClientSampleId :

PB103539TB

Tot Ion:276 Resp: 17

Ion Ratio Lower Upper

276 100

277 96.3 52.0 78.0#

138 111.0 44.0 66.0#

