

Data Path : Z:\HPCHEM1\BNA_E\Data\BE110117\
 Data File : BE094688.D
 Acq On : 1 Nov 2017 13:24
 Operator : SJ/JU
 Sample : PB103176BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB103176BS

Quant Time: Nov 01 14:11:30 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 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	965	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	5666	0.40	ng	0.02
13) Acenaphthene-d10	14.52	164	3426	0.40	ng	0.01
19) Phenanthrene-d10	17.27	188	7158	0.40	ng	0.03
27) Chrysene-d12	21.44	240	8207	0.40	ng	0.01
34) Perylene-d12	23.98	264	7476	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.55	112	704	0.21	ng	0.03
5) Phenol-d6	7.21	99	1141	0.23	ng	0.08
8) Nitrobenzene-d5	9.13	82	1022	0.23	ng	0.05
11) 2-Methylnaphthalene-d10	12.30	152	3491	0.38	ng	0.02
14) 2,4,6-Tribromophenol	16.06	330	203	0.21	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	3044	0.25	ng	0.01
25) Fluoranthene-d10	19.29	212	23592	0.24	ng	0.00
29) Terphenyl-d14	19.87	244	3602	0.23	ng	0.00

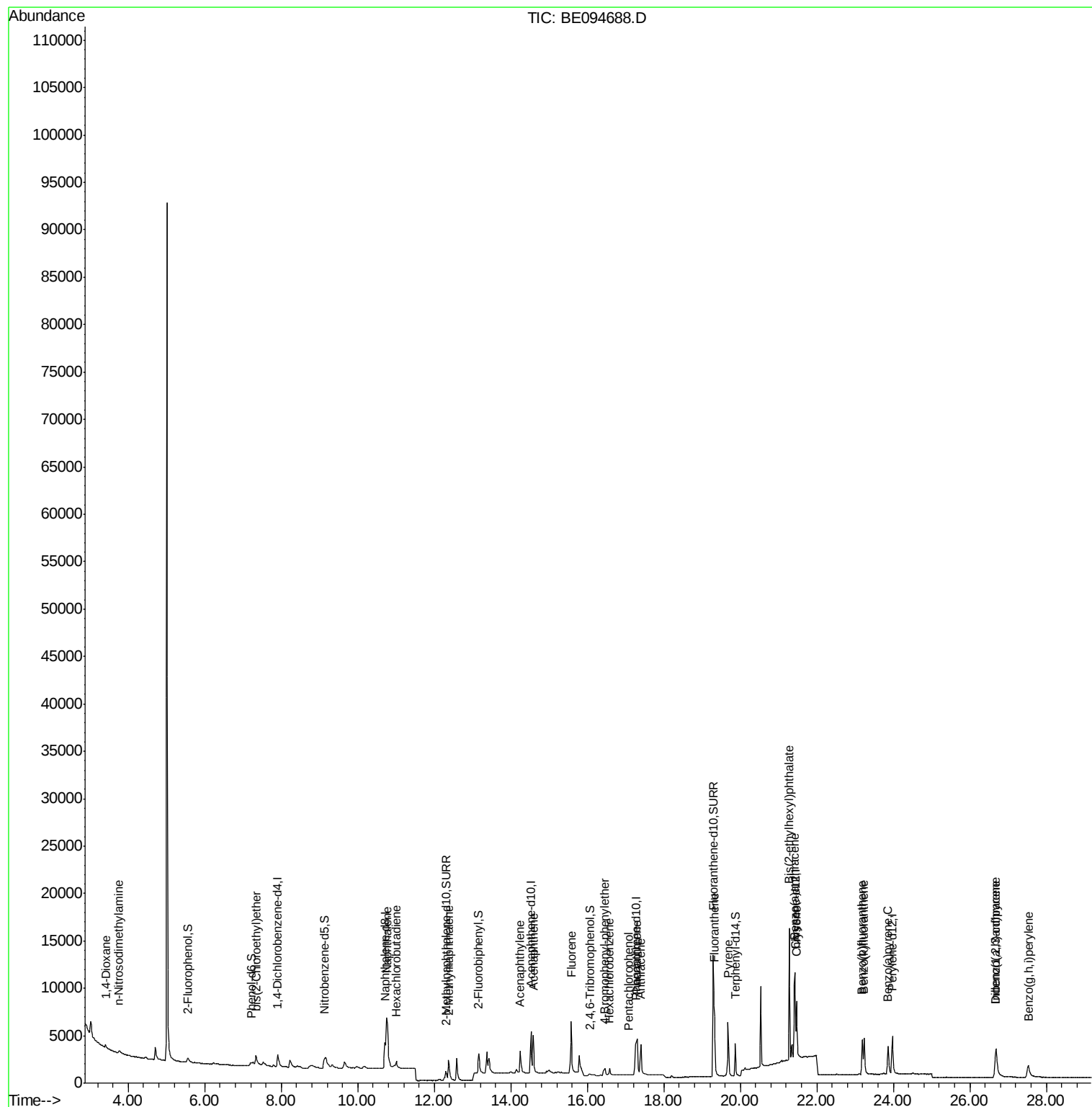
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	333	0.204	ng	# 46
3) n-Nitrosodimethylamine	3.75	42	335	0.214	ng	# 80
6) bis(2-Chloroethyl)ether	7.34	93	804	0.208	ng	77
9) Naphthalene	10.76	128	14925	0.233	ng	# 98
10) Hexachlorobutadiene	11.01	225	542	0.234	ng	96
12) 2-Methylnaphthalene	12.38	142	2659	0.244	ng	99
16) Acenaphthylene	14.24	152	4115	0.228	ng	99
17) Acenaphthene	14.58	154	2695	0.232	ng	99
18) Fluorene	15.58	166	3431	0.230	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	798	0.205	ng	# 71
21) Hexachlorobenzene	16.58	284	1168	0.341	ng	# 62
22) Pentachlorophenol	17.07	266	88	0.201	ng	99
23) Phenanthrene	17.30	178	6051	0.303	ng	98
24) Anthracene	17.40	178	5746	0.273	ng	99
26) Fluoranthene	19.33	202	6764	0.219	ng	98
28) Pyrene	19.68	202	6899	0.240	ng	99
30) Benzo(a)anthracene	21.42	228	6790	0.254	ng	# 63
31) Chrysene	21.47	228	6379	0.235	ng	# 66
32) Bis(2-ethylhexyl)phthalate	21.28	149	16799	0.256	ng	99
33) Indeno(1,2,3-cd)pyrene	26.69	276	5247	0.209	ng	98
35) Benzo(b)fluoranthene	23.19	252	5947	0.246	ng	# 45
36) Benzo(k)fluoranthene	23.24	252	6516	0.253	ng	# 44
37) Benzo(a)pyrene	23.86	252	5975	0.255	ng	# 38
38) Dibenzo(a,h)anthracene	26.68	278	4709	0.223	ng	# 52
39) Benzo(g,h,i)perylene	27.52	276	3996	0.203	ng	# 61

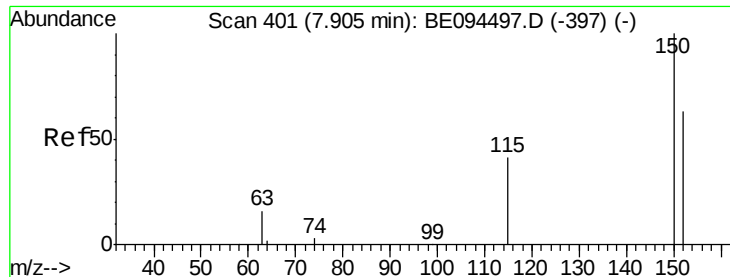
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE110117\
Data File : BE094688.D
Acq On : 1 Nov 2017 13:24
Operator : SJ/JU
Sample : PB103176BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB103176BS

Quant Time: Nov 01 14:11:30 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 22:40:47 2017
Response via : Initial Calibration



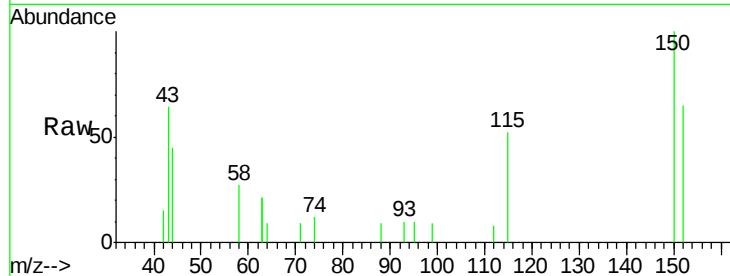


#1

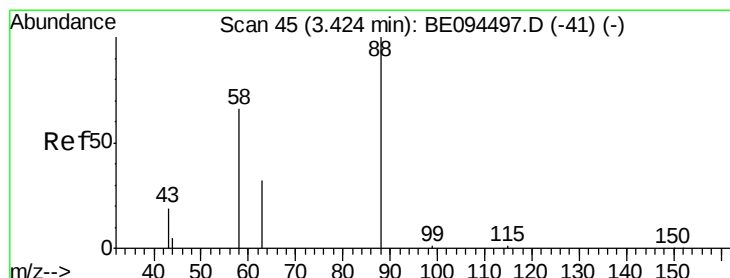
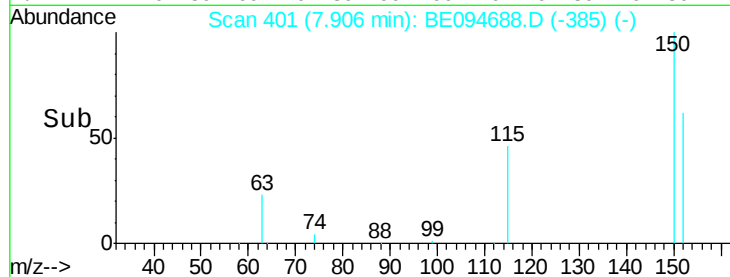
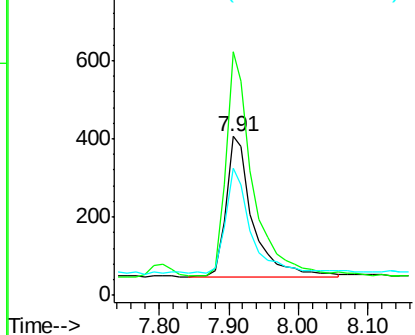
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

Instrument :
BNA_E
ClientSampleId :
PB103176BS

Tgt Ion: 152 Resp: 965
Ion Ratio Lower Upper
152 100
150 153.2 117.2 175.8
115 80.3 57.0 85.6



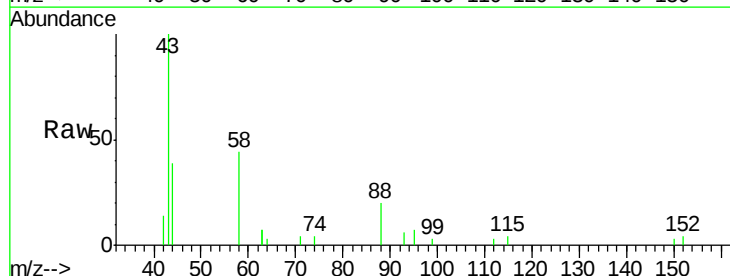
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



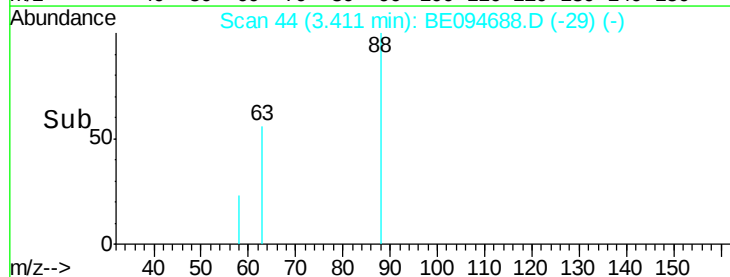
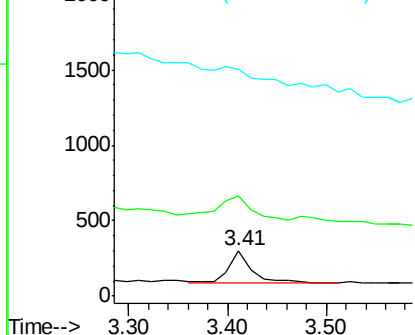
#2

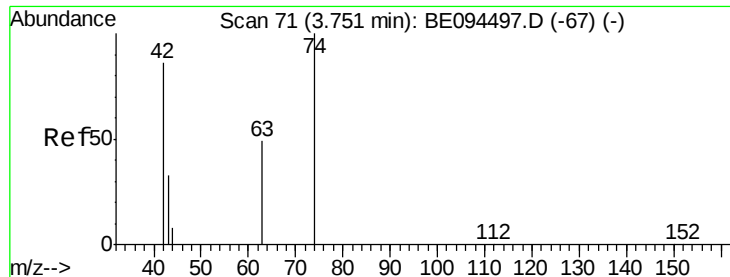
1,4-Dioxane
Concen: 0.204 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

Tgt Ion: 88 Resp: 333
Ion Ratio Lower Upper
88 100
58 115.0 63.2 94.8#
43 0.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



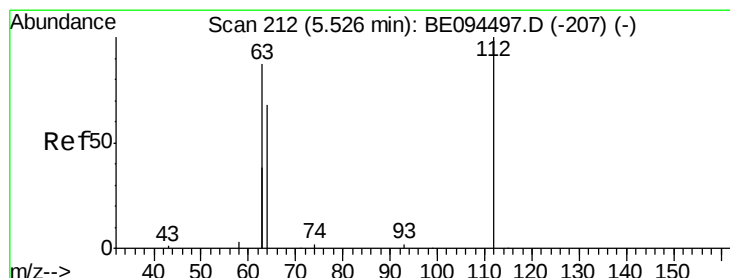
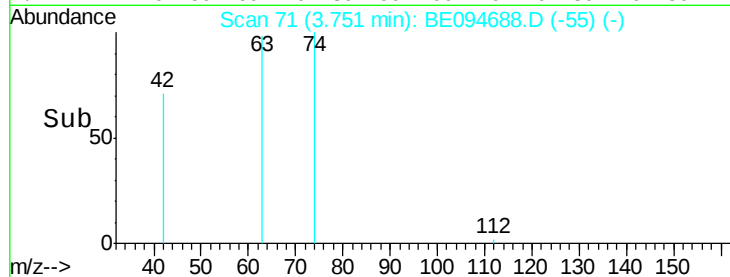
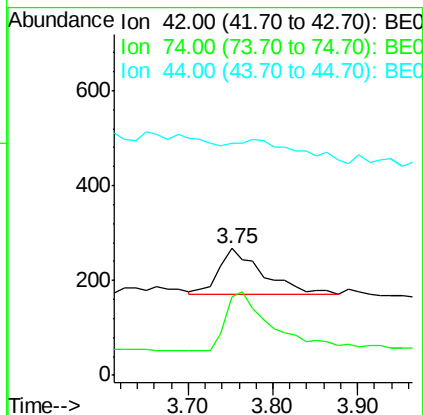
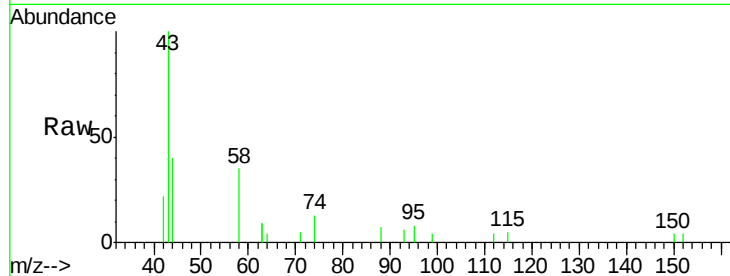


#3

n-Nitrosodimethylamine
 Concen: 0.214 ng
 RT: 3.75 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: BE094688.D
 Acq: 1 Nov 2017 13:24

Instrument :
 BNA_E
 ClientSampleId :
 PB103176BS

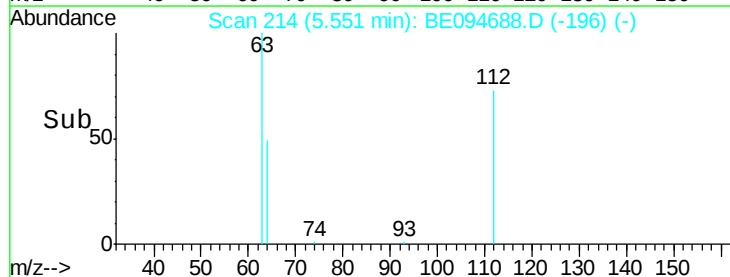
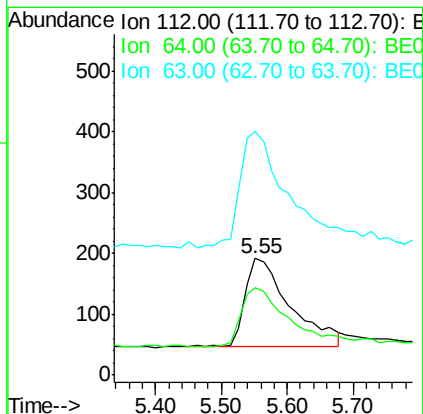
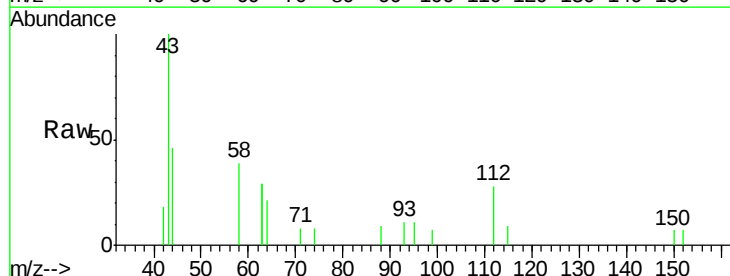
Tgt Ion: 42 Resp: 335
 Ion Ratio Lower Upper
 42 100
 74 143.9 100.3 150.5
 44 0.0 17.0 25.4#

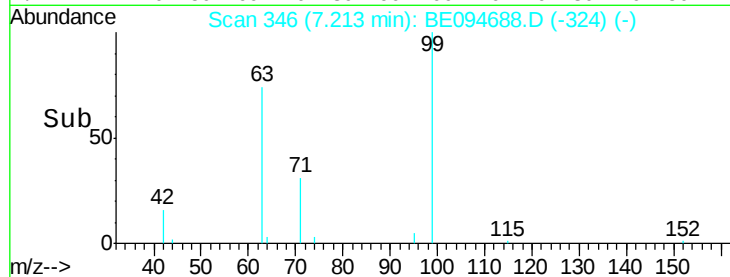
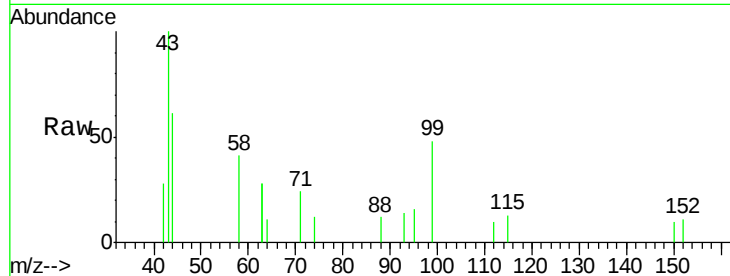
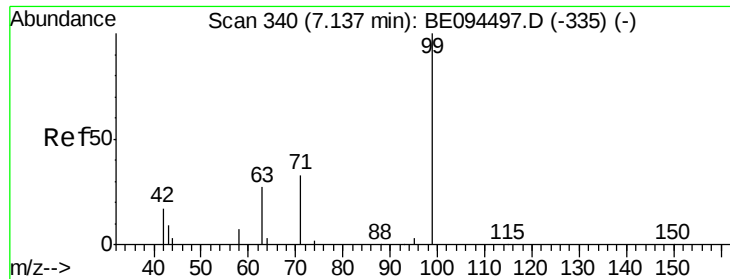


#4

2-Fluorophenol
 Concen: 0.213 ng
 RT: 5.55 min Scan# 214
 Delta R.T. 0.03 min
 Lab File: BE094688.D
 Acq: 1 Nov 2017 13:24

Tgt Ion: 112 Resp: 704
 Ion Ratio Lower Upper
 112 100
 64 70.5 60.1 90.1
 63 135.8 116.8 175.2





#5

Phenol-d6

Concen: 0.229 ng

RT: 7.21 min Scan# 346

Delta R.T. 0.08 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

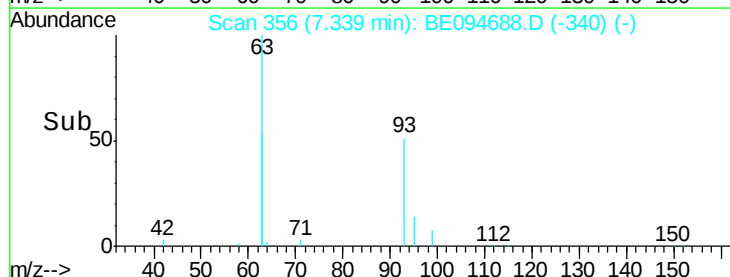
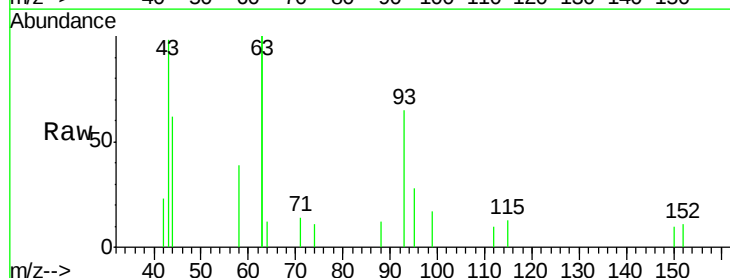
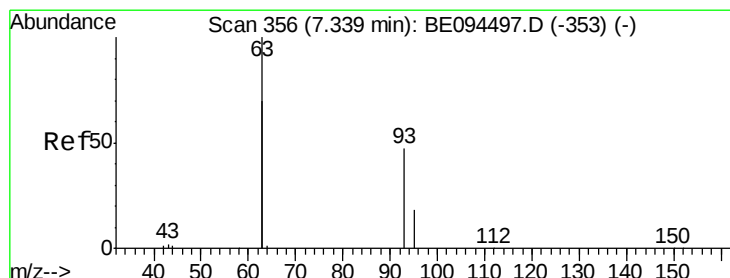
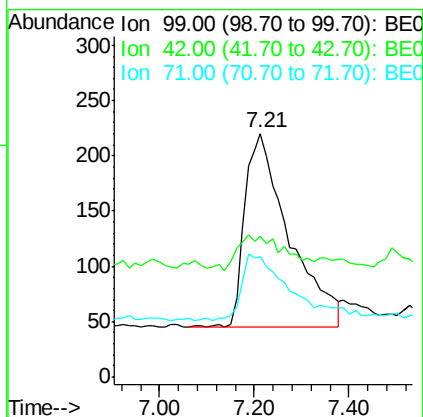
Tgt Ion: 99 Resp: 1141

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 0.0 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.208 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

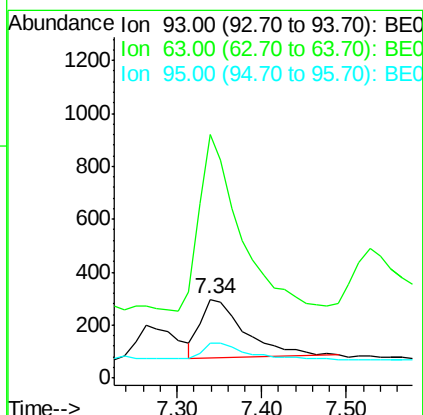
Tgt Ion: 93 Resp: 804

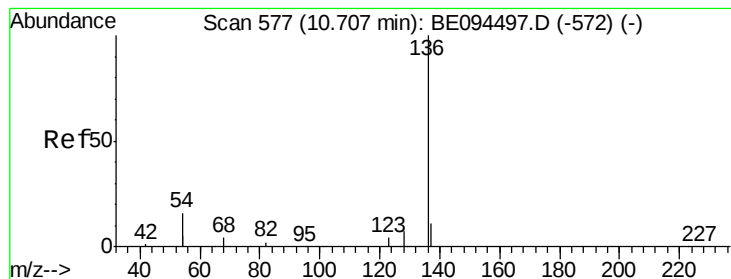
Ion Ratio Lower Upper

93 100

63 291.7 275.3 412.9

95 30.0 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

Tgt Ion: 136 Resp: 5666

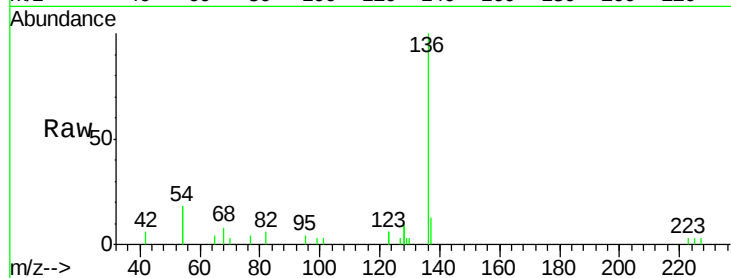
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 35.5 29.1 43.7

68 7.9 6.2 9.2

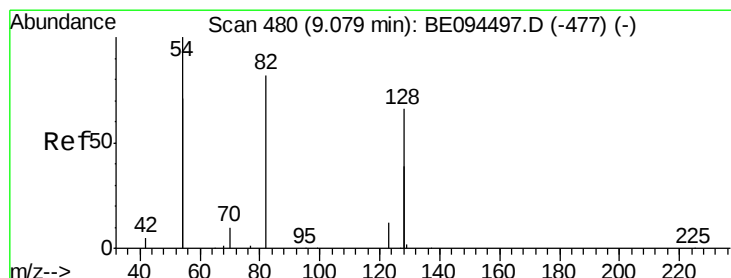
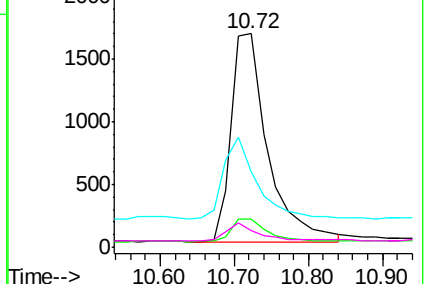
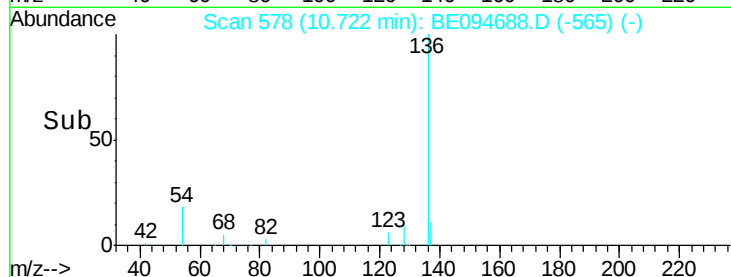


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.226 ng

RT: 9.13 min Scan# 483

Delta R.T. 0.05 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

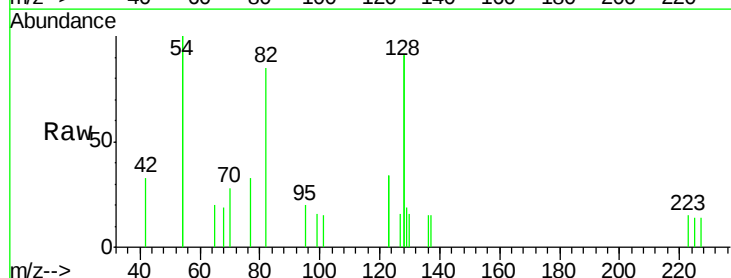
Tgt Ion: 82 Resp: 1022

Ion Ratio Lower Upper

82 100

128 212.8 150.0 225.0

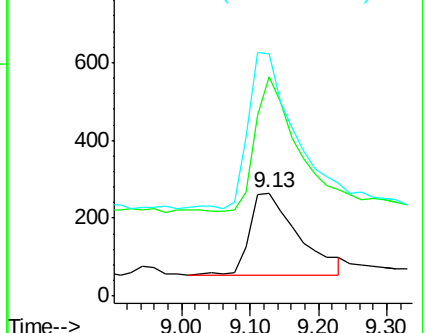
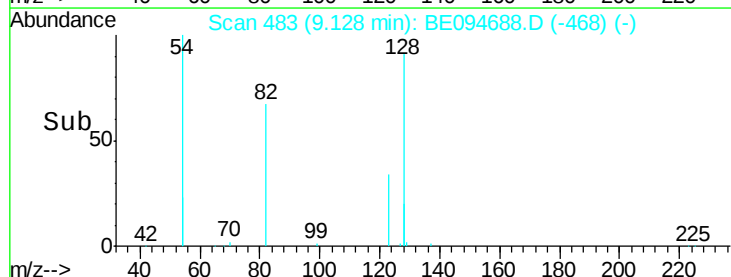
54 234.7 154.2 231.4#

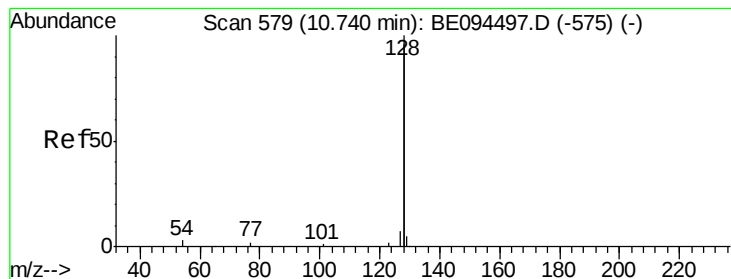


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.233 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

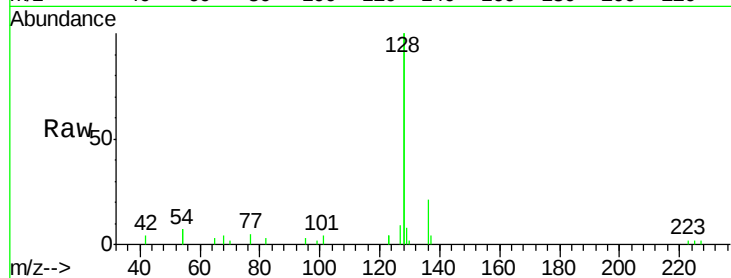
Tgt Ion:128 Resp: 14925

Ion Ratio Lower Upper

128 100

129 4.0 2.6 3.8#

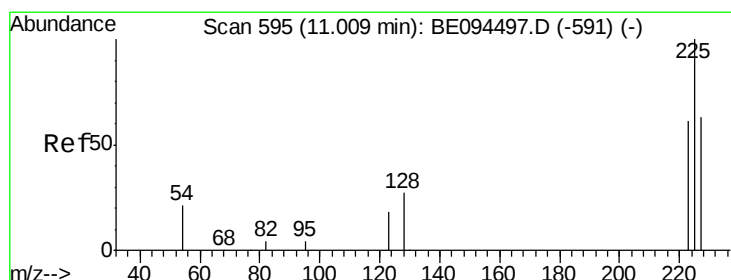
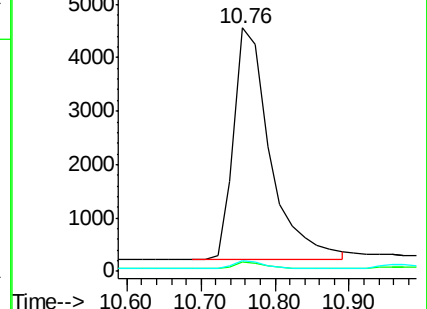
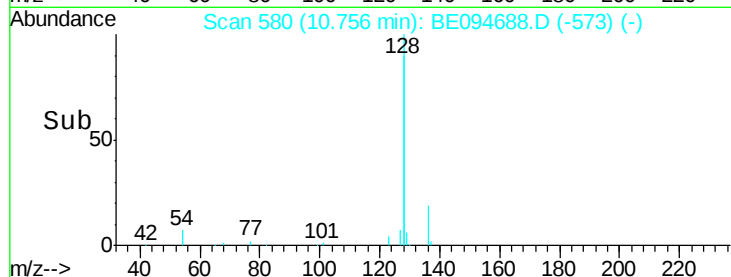
127 4.3 2.8 4.2#



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: 0.234 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

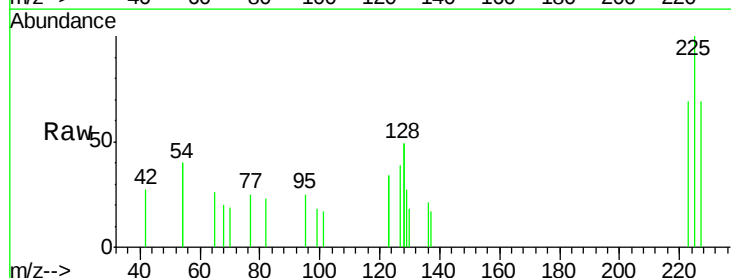
Tgt Ion:225 Resp: 542

Ion Ratio Lower Upper

225 100

223 63.3 53.0 79.6

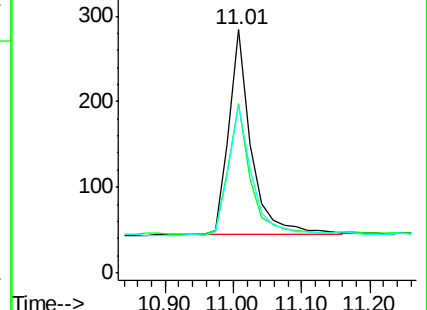
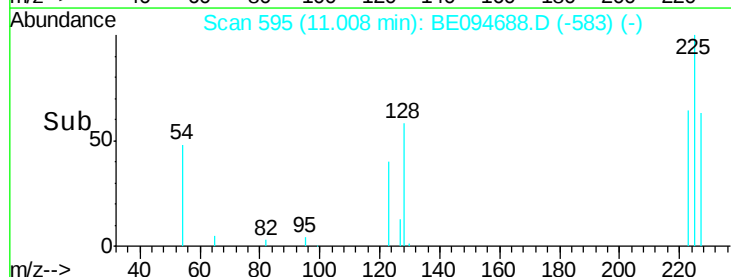
227 67.7 51.4 77.2

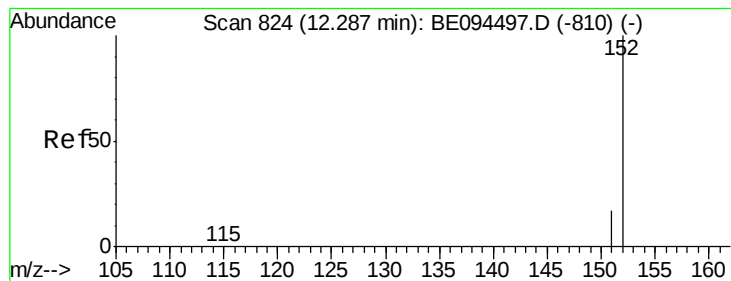


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.384 ng

RT: 12.30 min Scan# 828

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

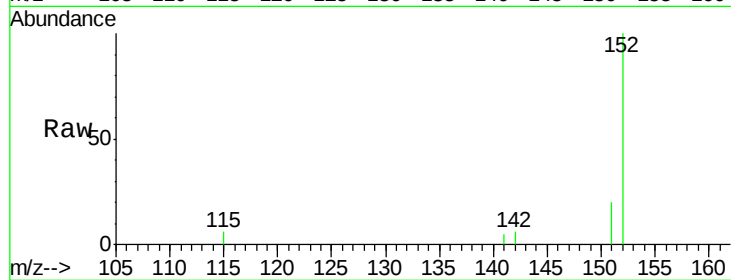
PB103176BS

Tgt Ion:152 Resp: 3491

Ion Ratio Lower Upper

152 100

151 12.9 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

1000

800

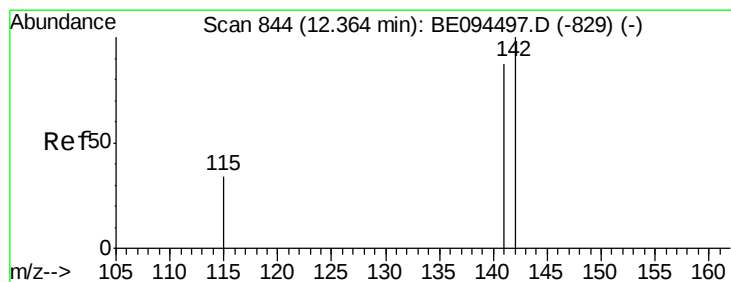
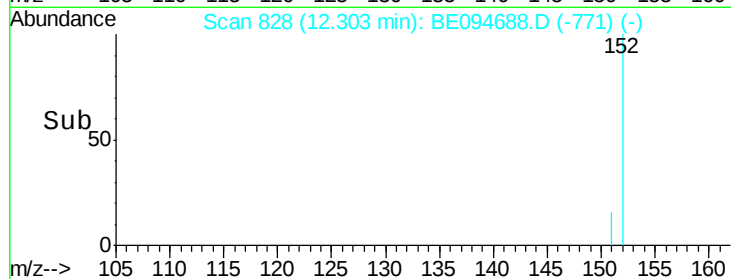
600

400

200

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.244 ng

RT: 12.38 min Scan# 847

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

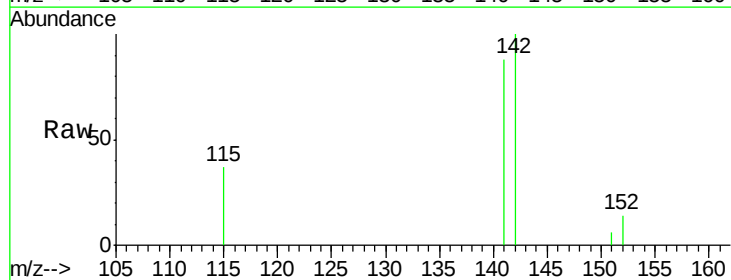
Tgt Ion:142 Resp: 2659

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

115 37.0 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

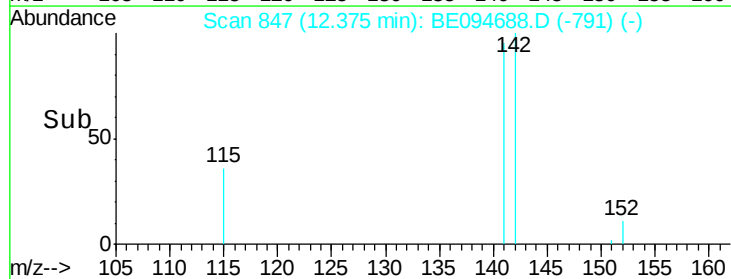
12.38

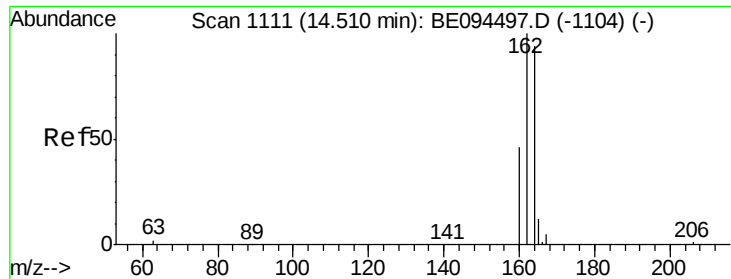
1000

500

0

Time--> 12.30 12.40 12.50





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

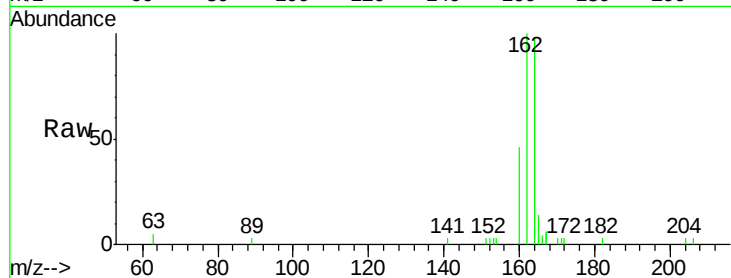
Tgt Ion:164 Resp: 3426

Ion Ratio Lower Upper

164 100

162 102.0 83.1 124.7

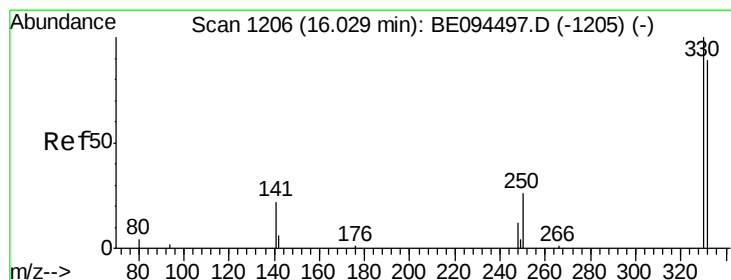
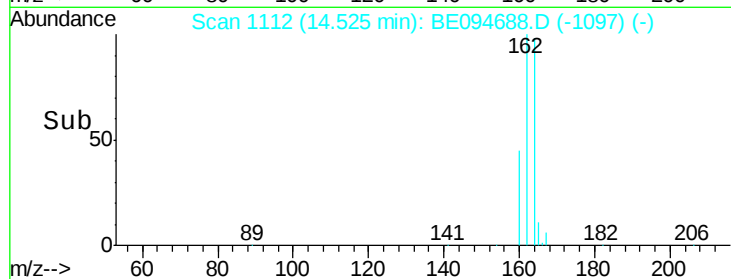
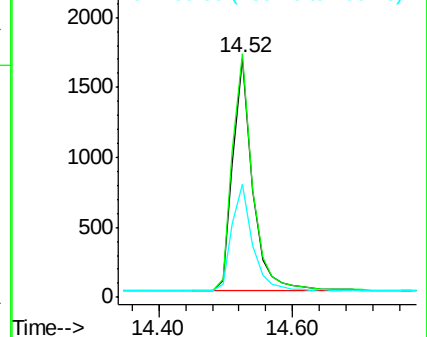
160 47.1 37.1 55.7



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: 0.215 ng

RT: 16.06 min Scan# 1207

Delta R.T. 0.03 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

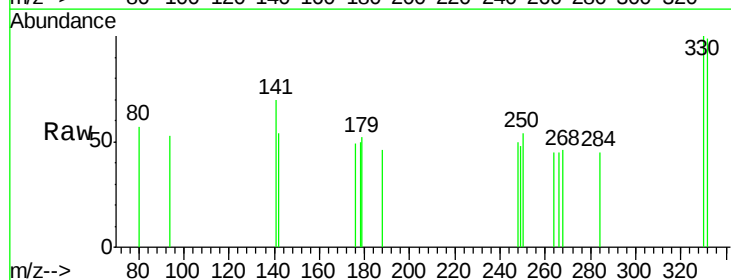
Tgt Ion:330 Resp: 203

Ion Ratio Lower Upper

330 100

332 96.6 152.7 229.1#

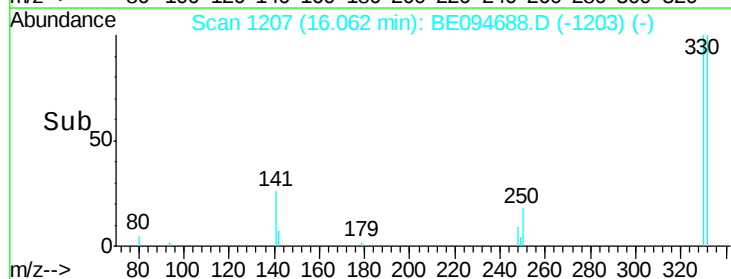
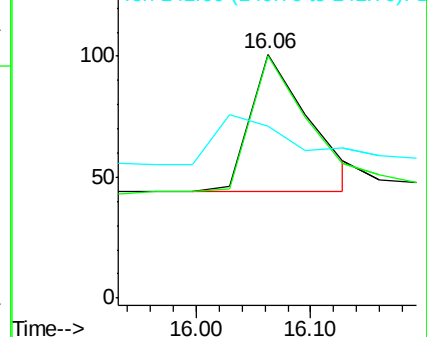
141 0.0 33.7 50.5#

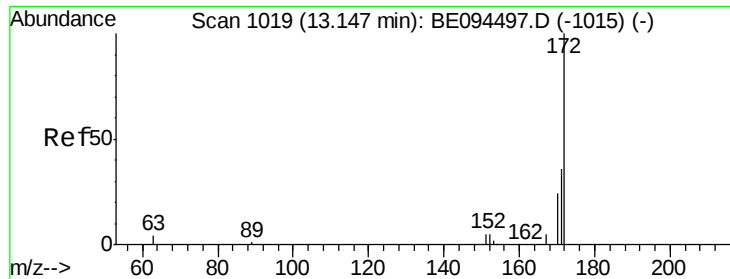


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

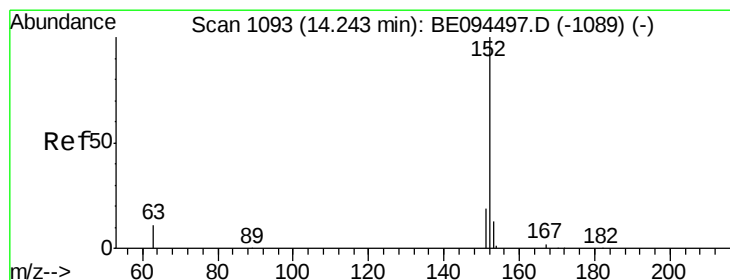
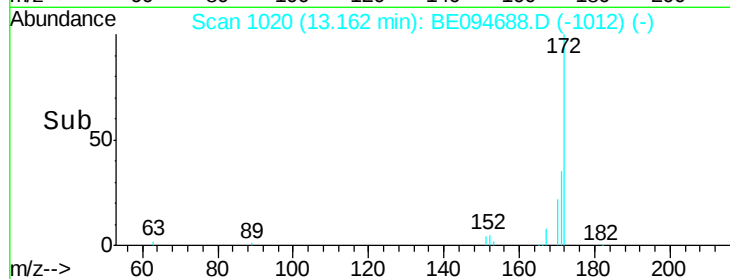
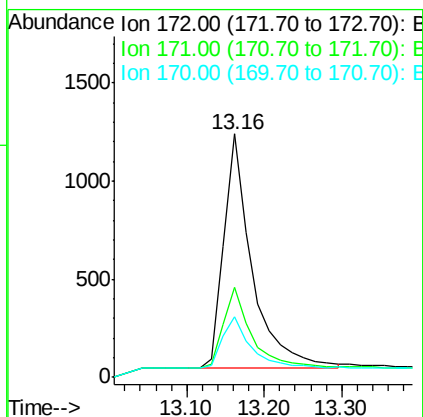
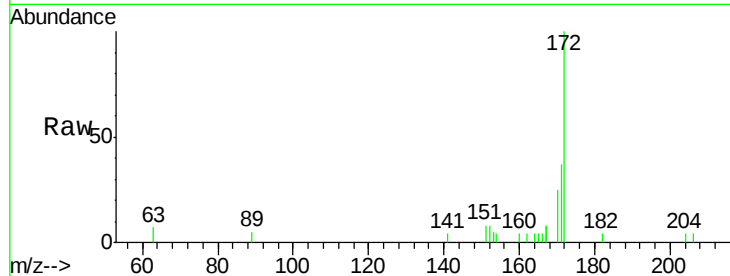




#15
2-Fluorobiphenyl
Concen: 0.252 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

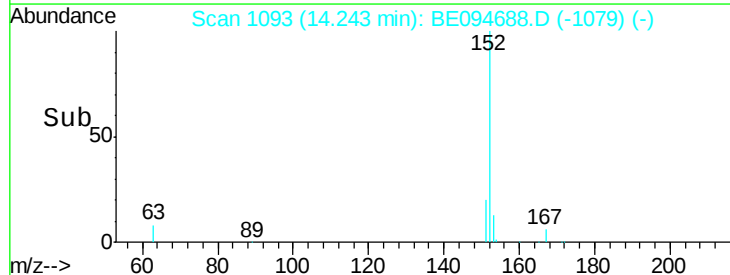
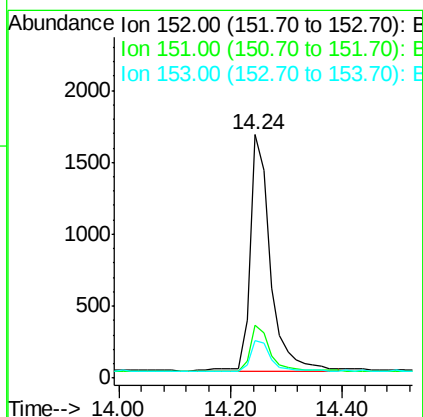
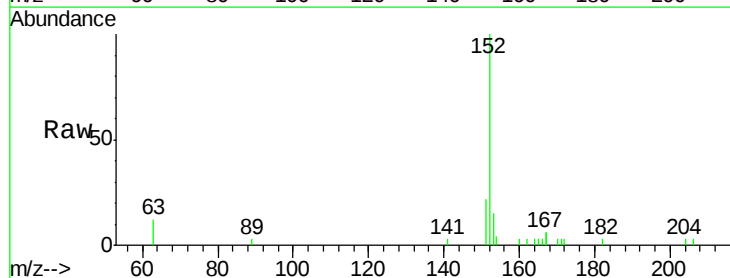
Instrument :
BNA_E
ClientSampleId :
PB103176BS

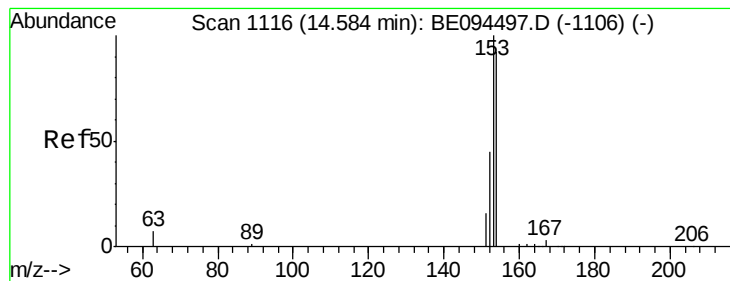
Tgt Ion:172 Resp: 3044
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 25.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.228 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

Tgt Ion:152 Resp: 4115
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.232 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

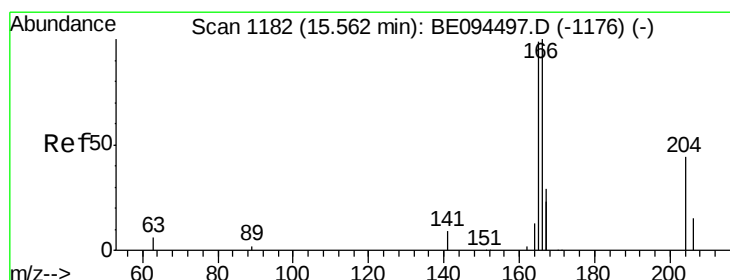
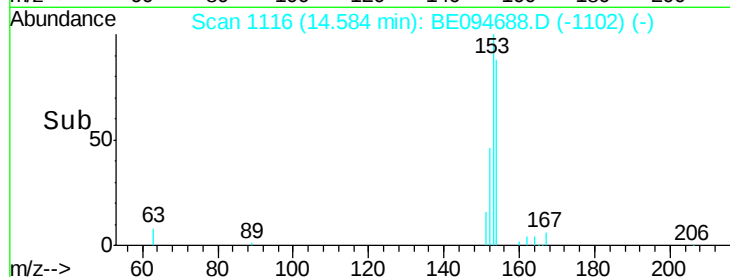
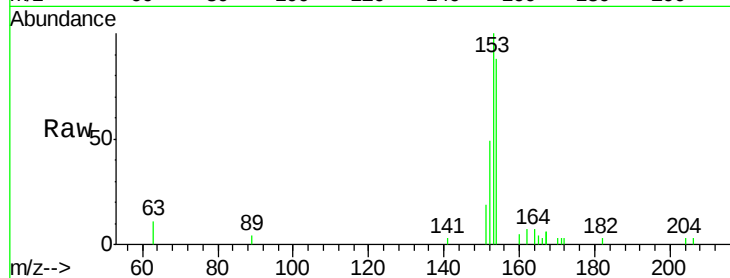
Tgt Ion:154 Resp: 2695

Ion Ratio Lower Upper

154 100

153 111.6 89.2 133.8

152 54.0 42.0 63.0



#18

Fluorene

Concen: 0.230 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

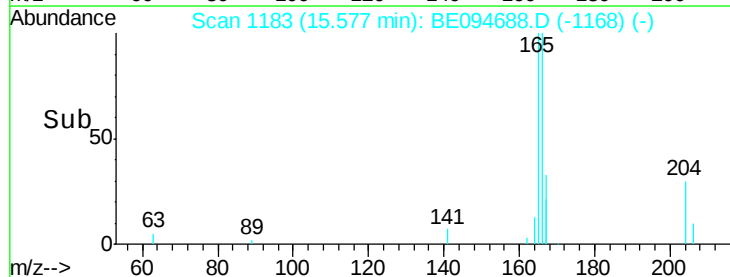
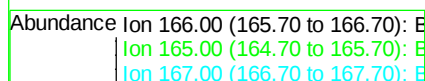
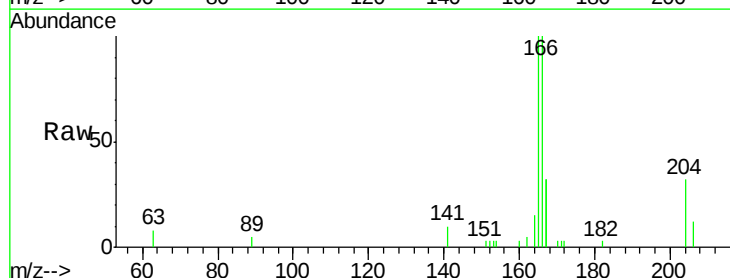
Tgt Ion:166 Resp: 3431

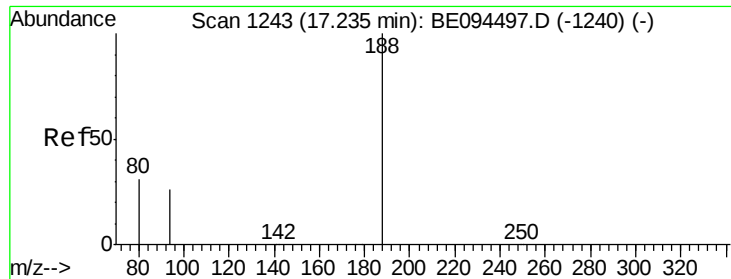
Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.6

167 54.7 42.4 63.6

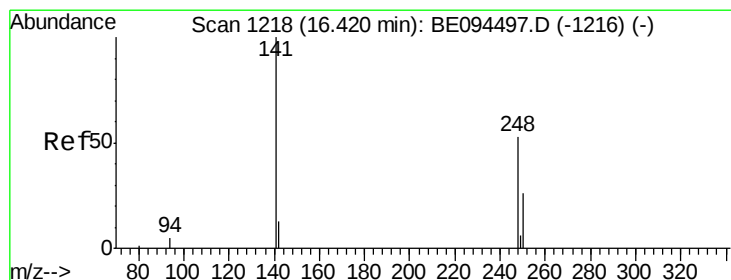
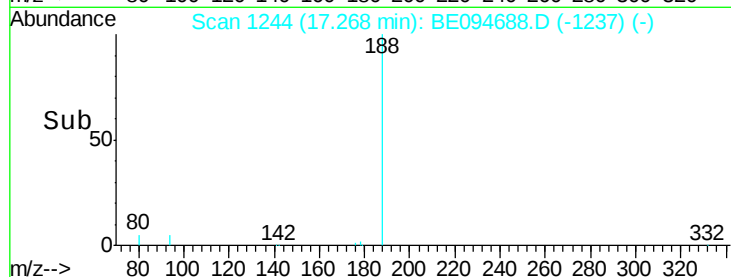
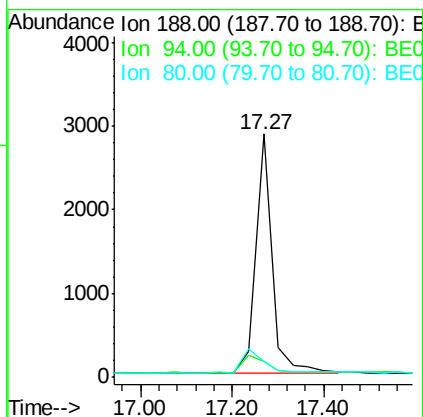
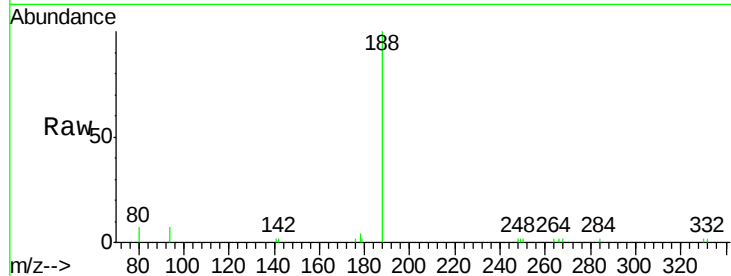




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.03 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

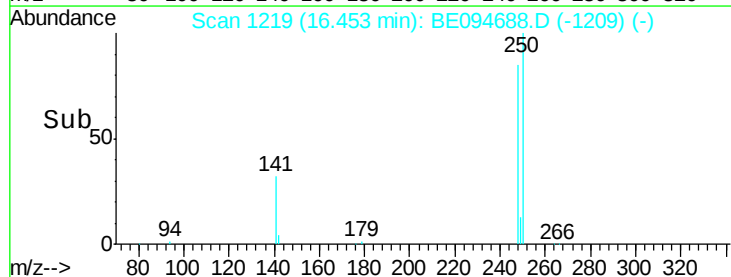
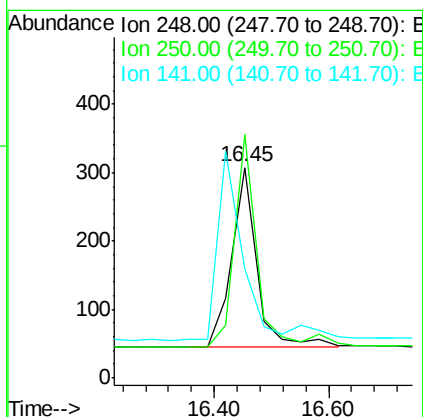
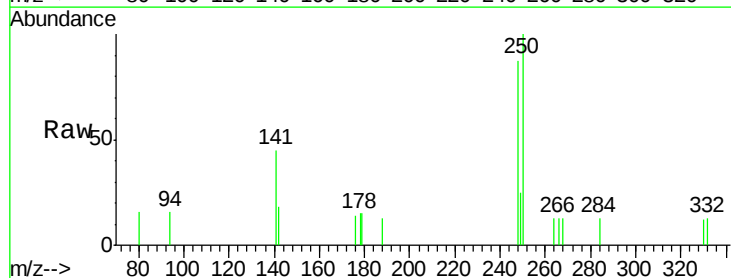
Instrument :
BNA_E
ClientSampleId :
PB103176BS

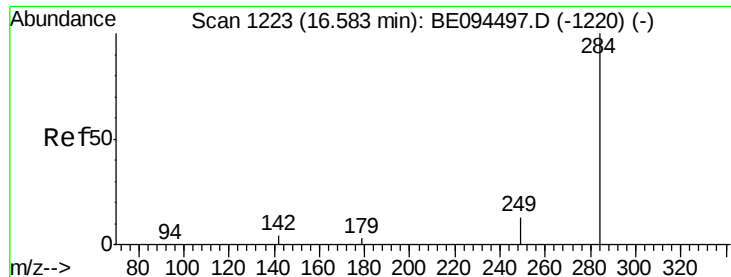
Tgt Ion:188 Resp: 7158
Ion Ratio Lower Upper
188 100
94 6.6 3.9 5.9#
80 6.7 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.205 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.03 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

Tgt Ion:248 Resp: 798
Ion Ratio Lower Upper
248 100
250 115.6 62.7 94.1#
141 51.9 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.341 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

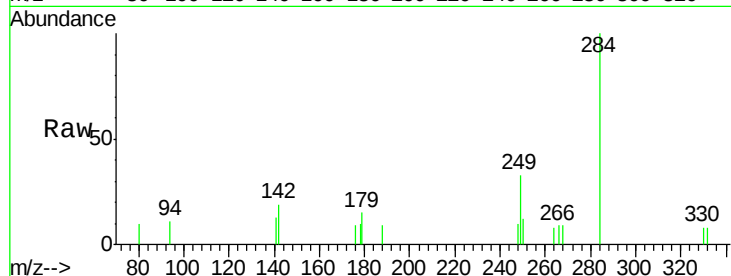
Tgt Ion:284 Resp: 1168

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

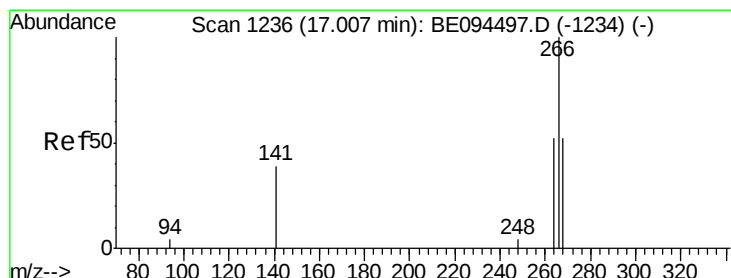
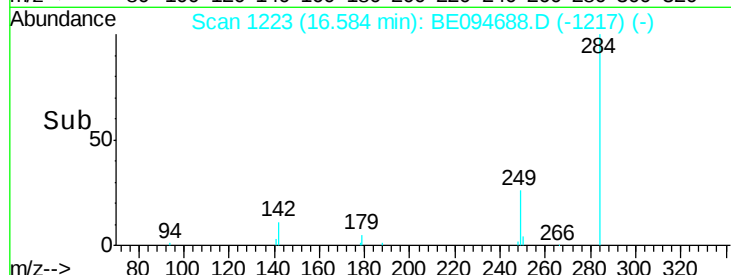
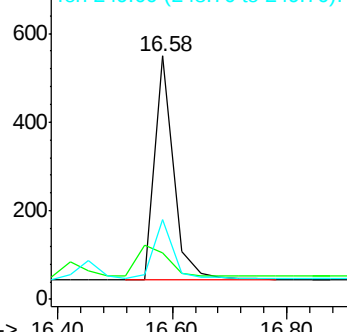
249 24.7 34.8 52.2#



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: 0.201 ng

RT: 17.07 min Scan# 1238

Delta R.T. 0.07 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

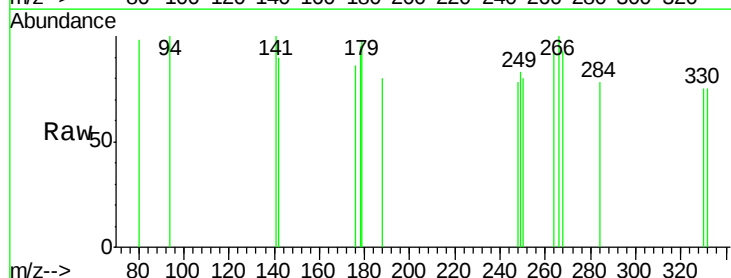
Tgt Ion:266 Resp: 88

Ion Ratio Lower Upper

266 100

264 91.5 72.5 108.7

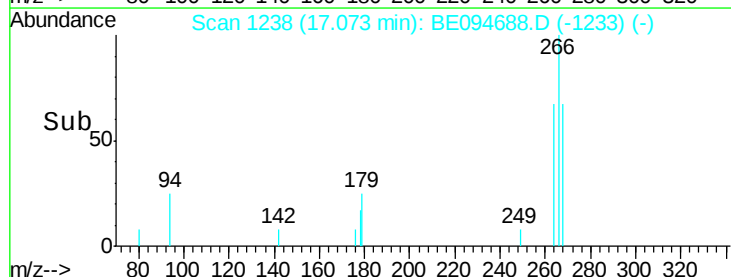
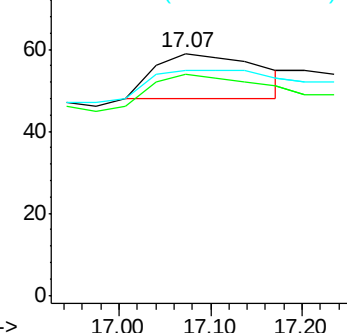
268 93.2 73.8 110.6

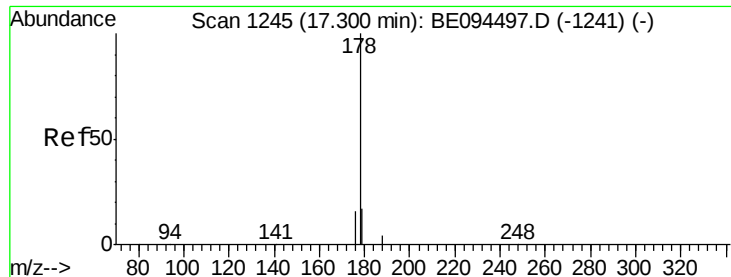


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.303 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

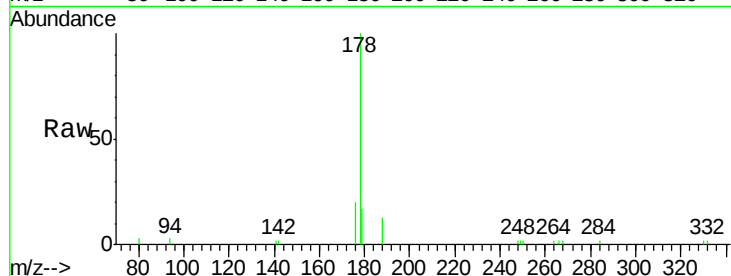
Tgt Ion:178 Resp: 6051

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

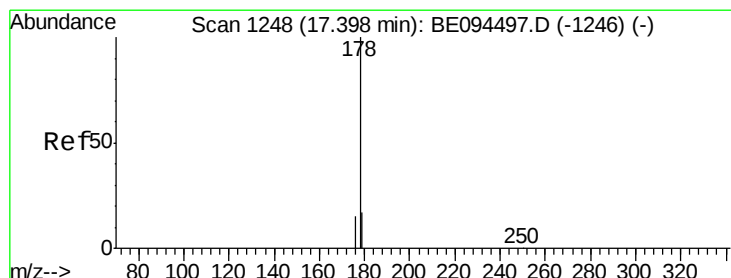
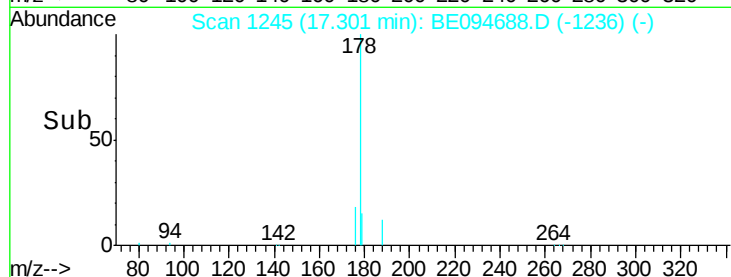
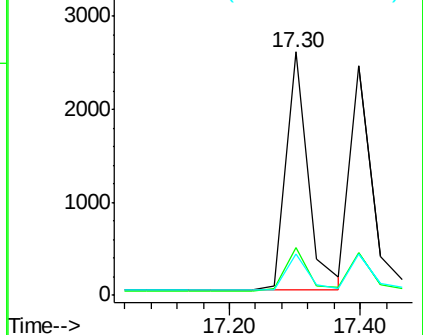
179 15.7 11.8 17.6



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: 0.273 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

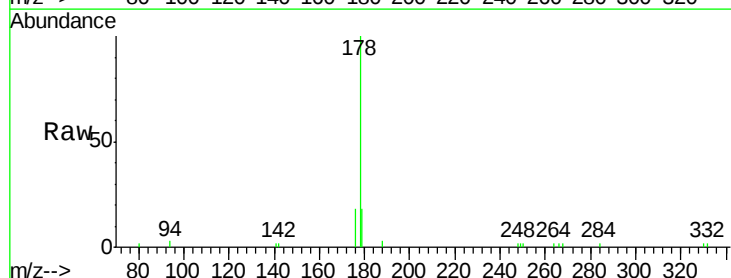
Tgt Ion:178 Resp: 5746

Ion Ratio Lower Upper

178 100

176 16.7 12.8 19.2

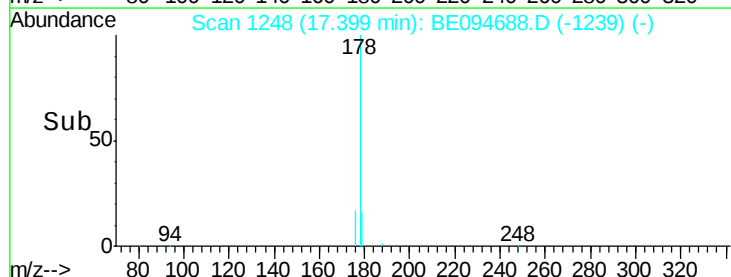
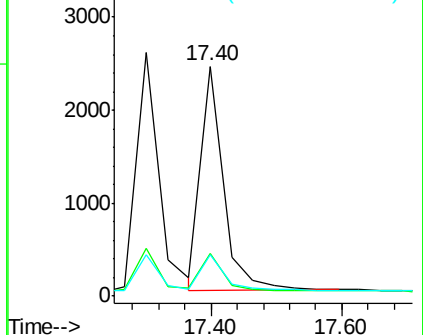
179 16.8 13.0 19.6

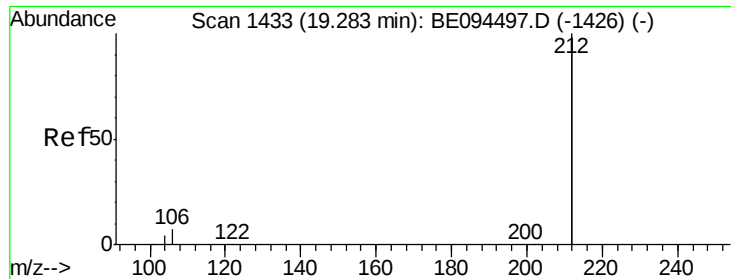


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

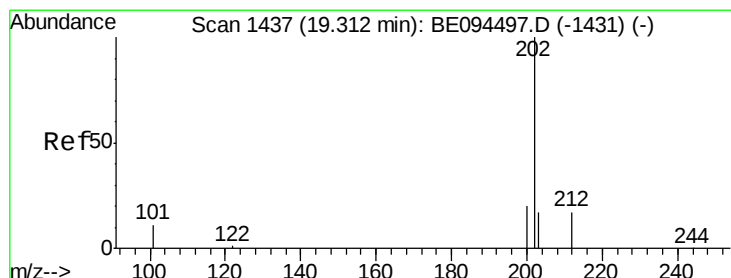
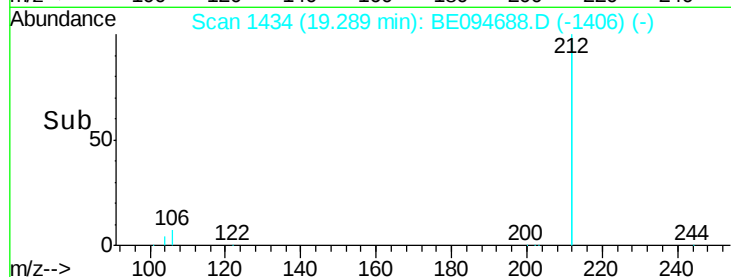
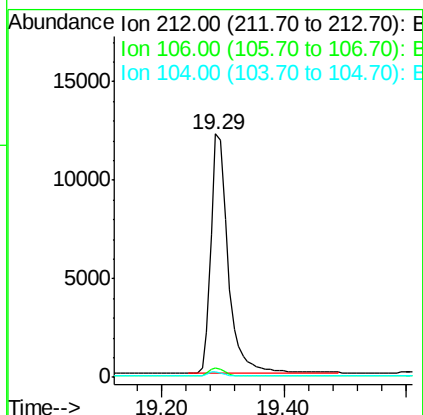
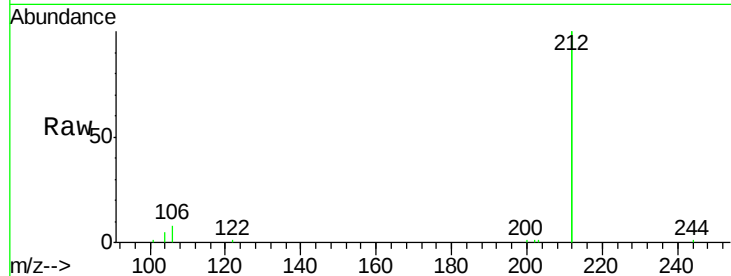




#25
Fluoranthene-d10
Concen: 0.237 ng
RT: 19.29 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

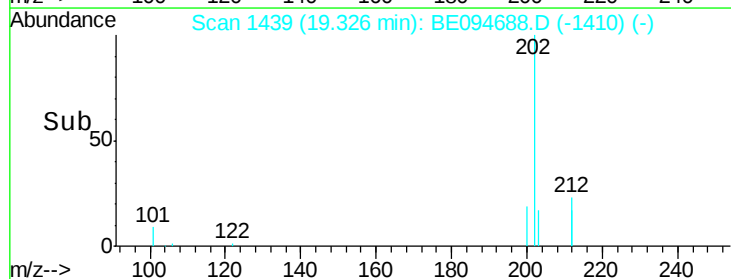
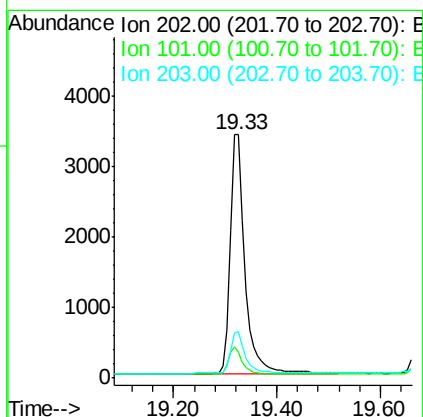
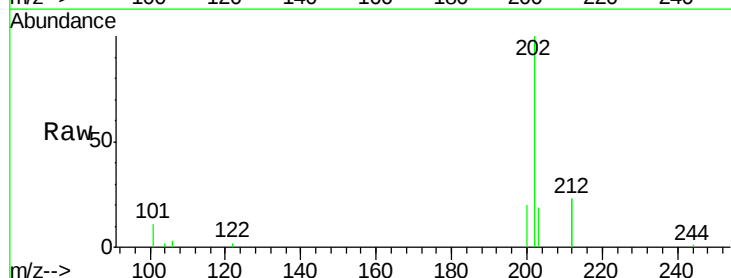
Instrument :
BNA_E
ClientSampleId :
PB103176BS

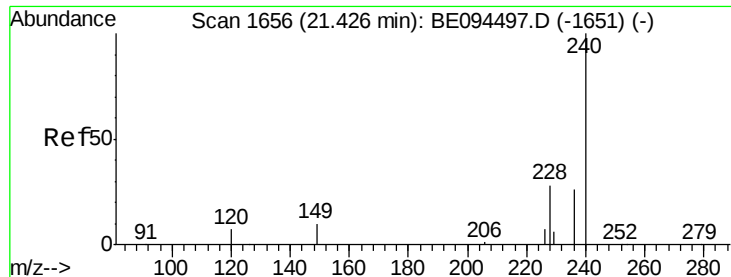
Tgt Ion: 212 Resp: 23592
Ion Ratio Lower Upper
212 100
106 3.4 2.8 4.2
104 1.9 1.6 2.4



#26
Fluoranthene
Concen: 0.219 ng
RT: 19.33 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BE094688.D
Acq: 1 Nov 2017 13:24

Tgt Ion: 202 Resp: 6764
Ion Ratio Lower Upper
202 100
101 10.9 9.8 14.8
203 16.7 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

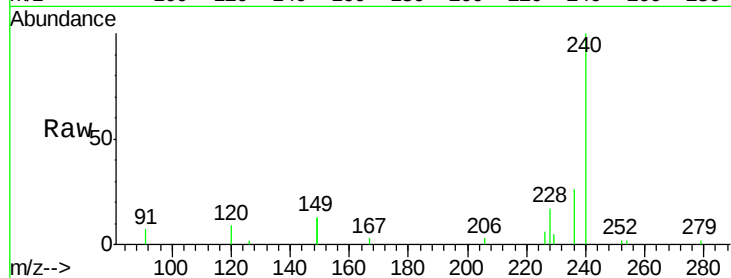
Tgt Ion:240 Resp: 8207

Ion Ratio Lower Upper

240 100

120 9.0 5.5 8.3#

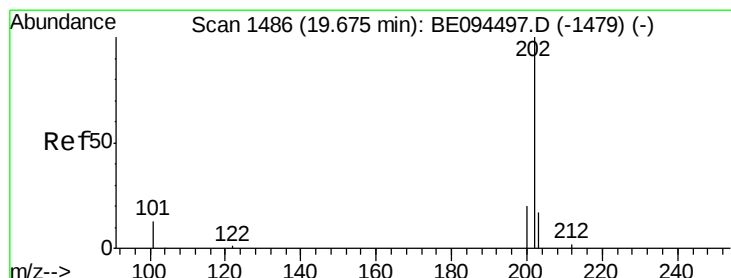
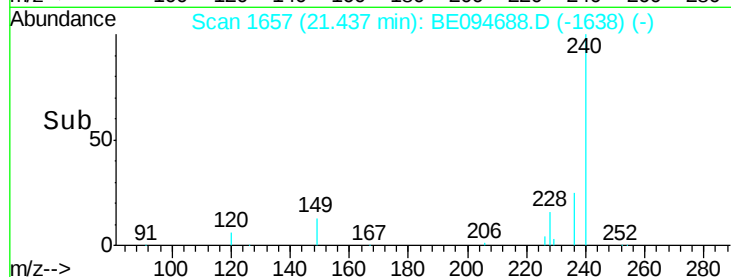
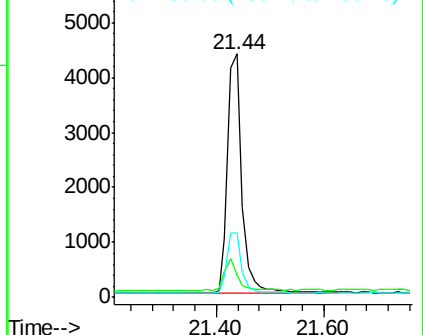
236 26.4 20.7 31.1



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: 0.240 ng

RT: 19.68 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

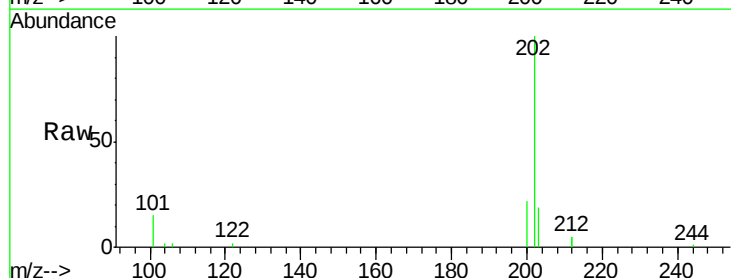
Tgt Ion:202 Resp: 6899

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

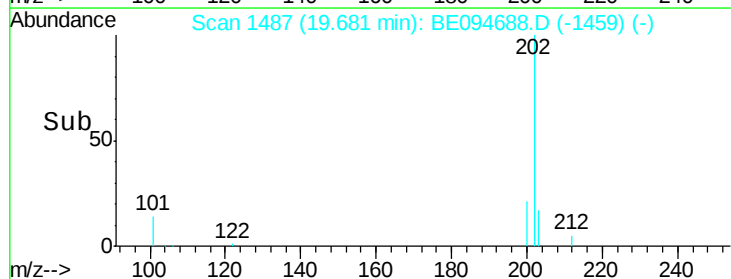
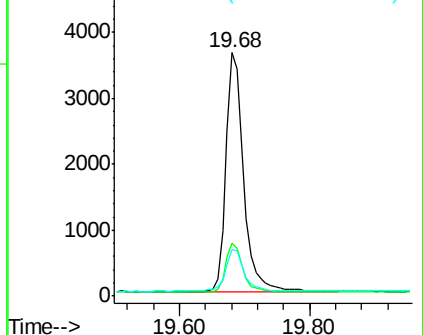
203 18.0 13.8 20.8

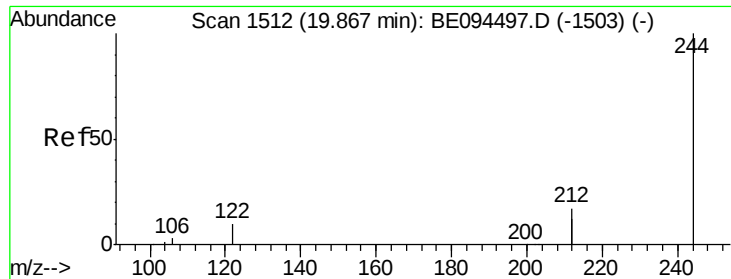


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.233 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

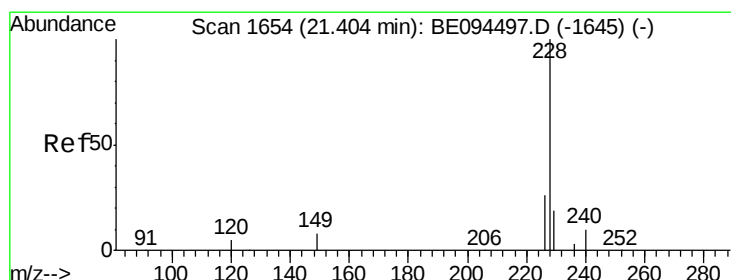
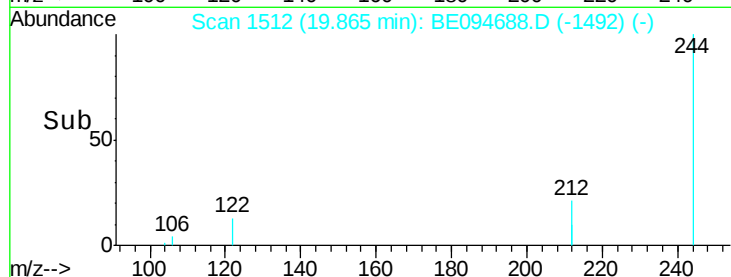
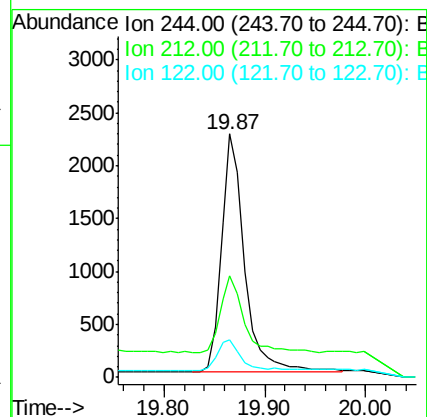
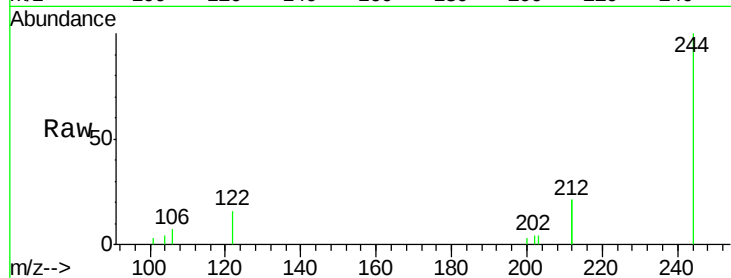
Tgt Ion:244 Resp: 3602

Ion Ratio Lower Upper

244 100

212 41.5 25.4 38.0#

122 15.5 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.254 ng

RT: 21.42 min Scan# 1655

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

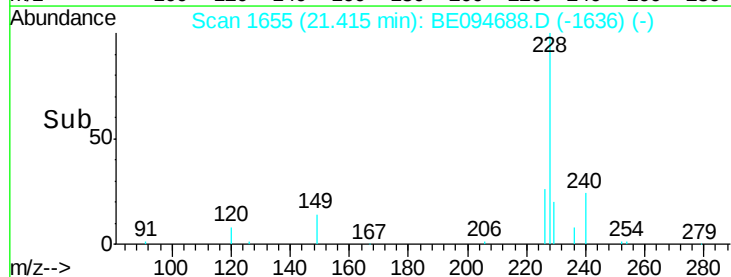
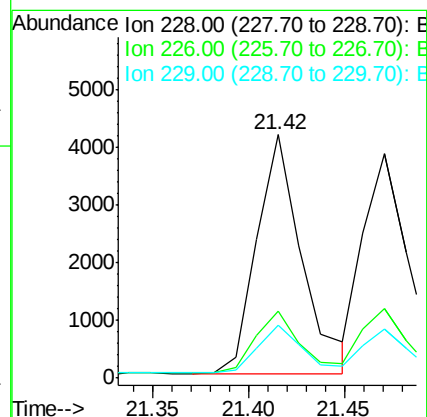
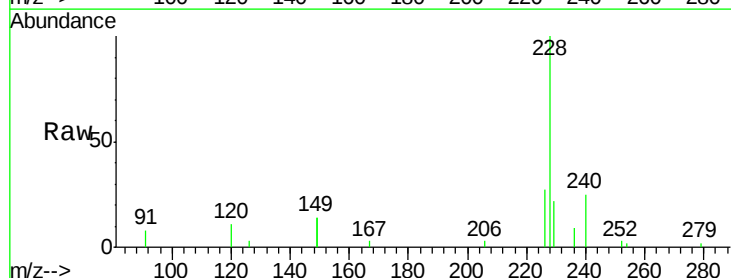
Tgt Ion:228 Resp: 6790

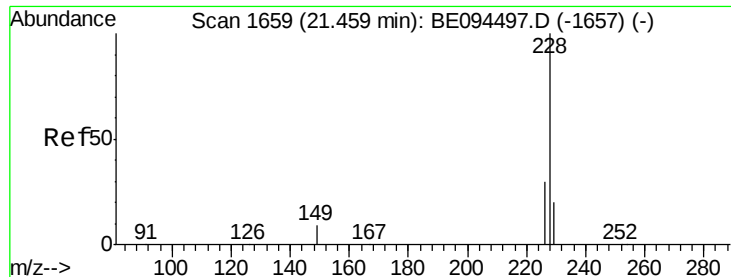
Ion Ratio Lower Upper

228 100

226 27.5 40.0 60.0#

229 21.6 40.0 60.0#





#31

Chrysene

Concen: 0.235 ng

RT: 21.47 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampled :

PB103176BS

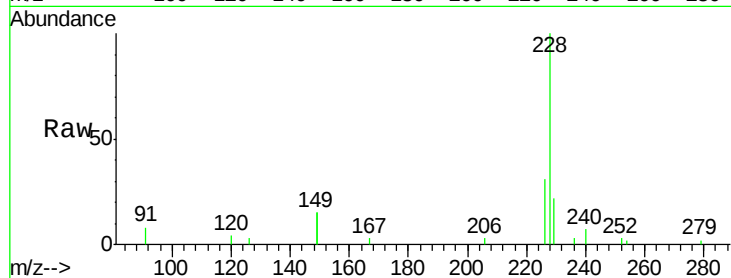
Tgt Ion:228 Resp: 6379

Ion Ratio Lower Upper

228 100

226 31.0 40.0 60.0#

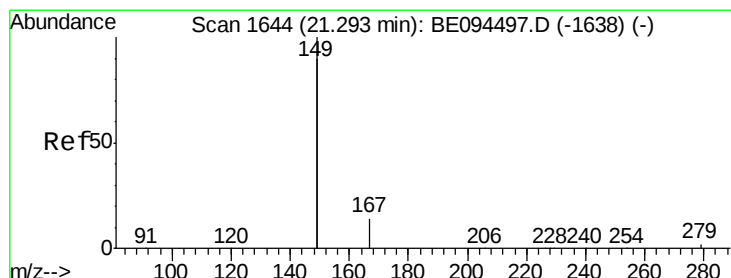
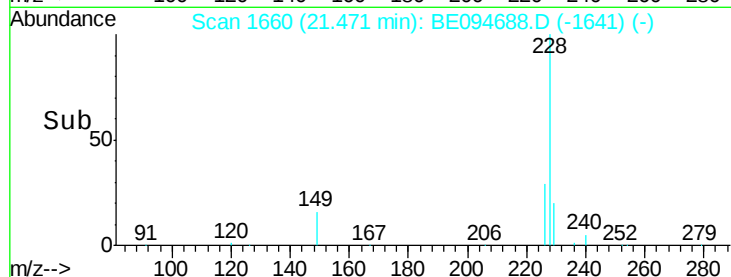
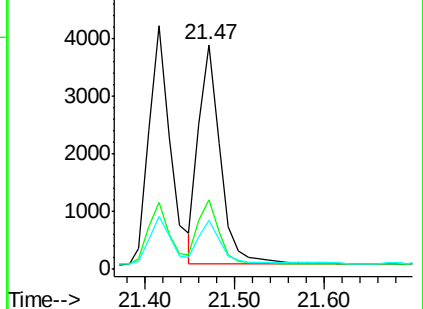
229 21.7 40.0 60.0#



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: 0.256 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

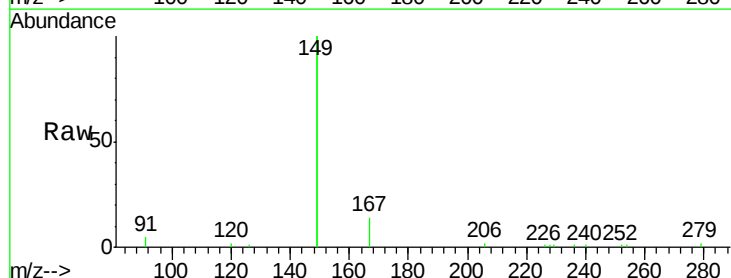
Tgt Ion:149 Resp: 16799

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

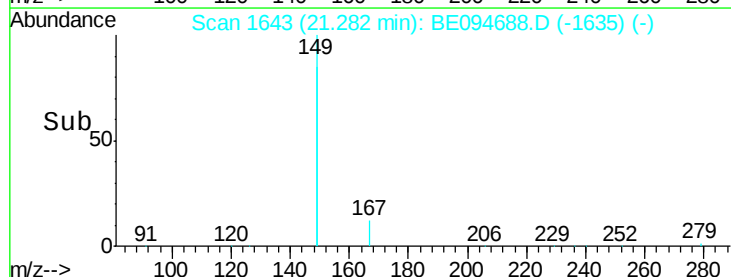
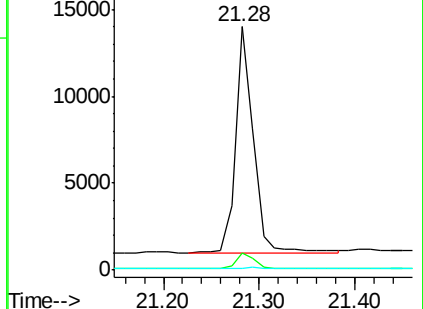
279 1.0 0.7 1.1

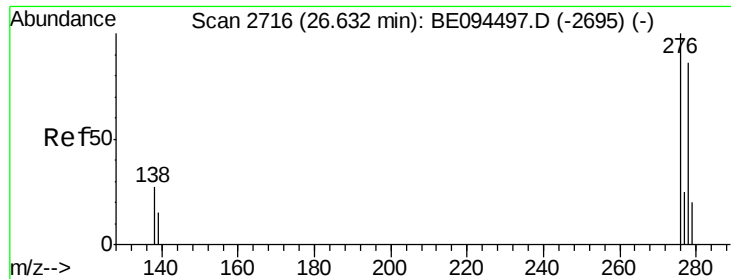


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.209 ng

RT: 26.69 min Scan# 2728

Delta R.T. 0.06 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

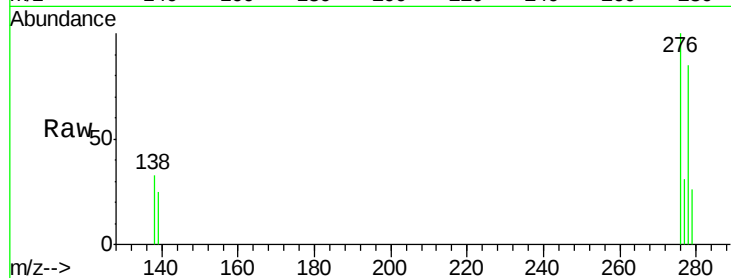
Tgt Ion:276 Resp: 5247

Ion Ratio Lower Upper

276 100

138 26.3 22.5 33.7

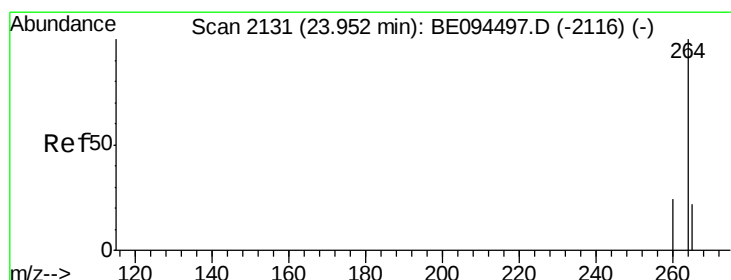
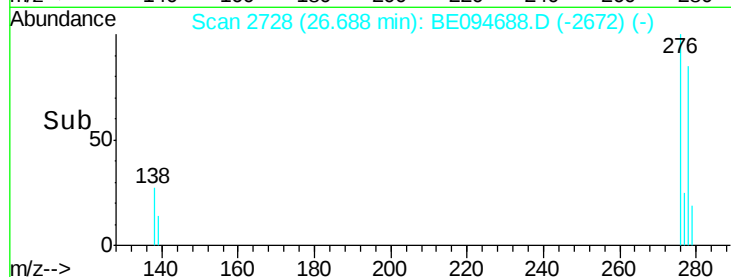
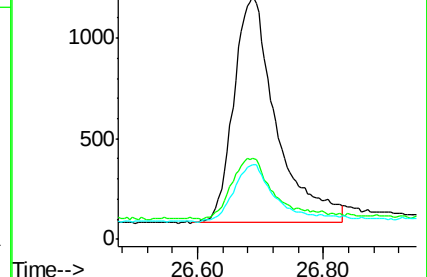
277 24.7 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.98 min Scan# 2136

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

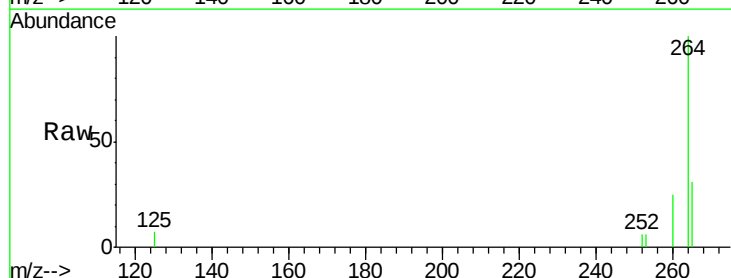
Tgt Ion:264 Resp: 7476

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

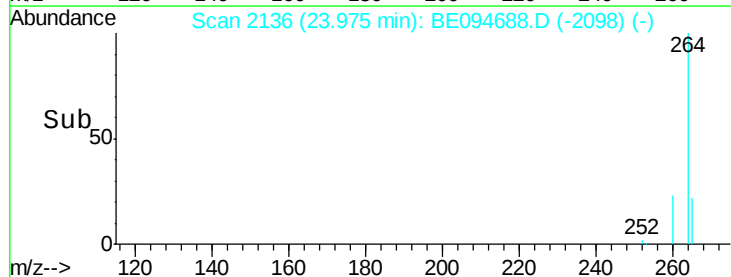
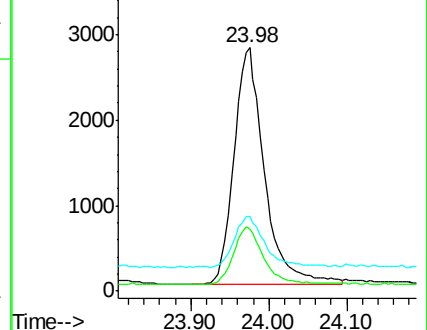
265 30.8 22.8 34.2

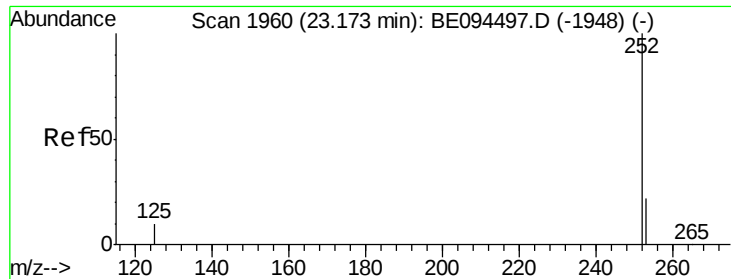


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.246 ng

RT: 23.19 min Scan# 1964

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

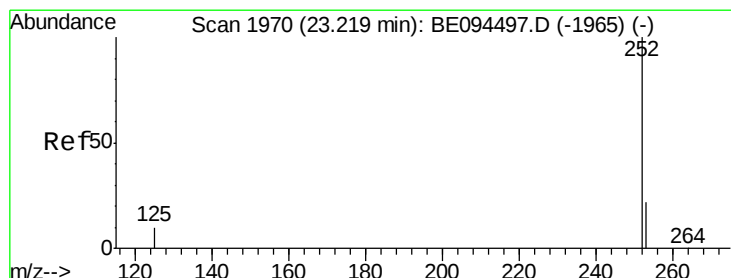
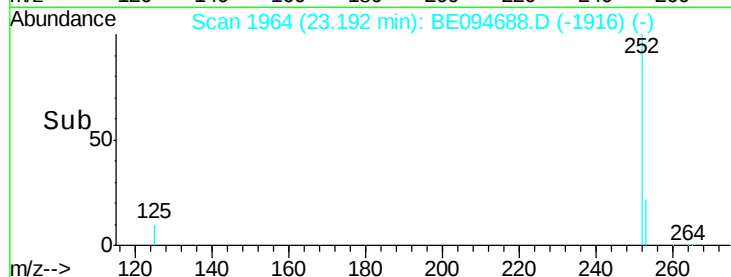
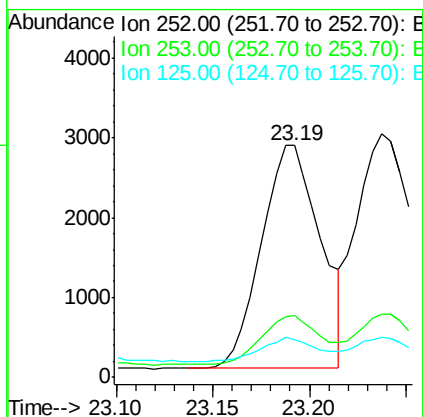
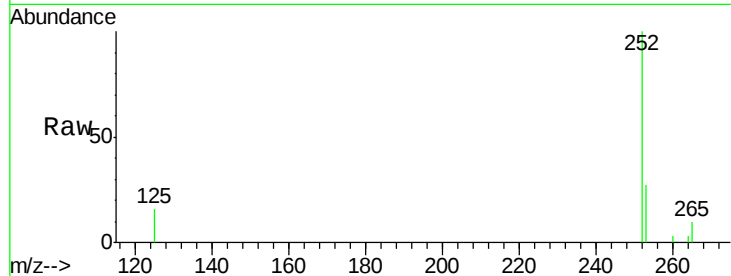
Tgt Ion:252 Resp: 5947

Ion Ratio Lower Upper

252 100

253 26.7 48.0 72.0#

125 16.4 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.253 ng

RT: 23.24 min Scan# 1974

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

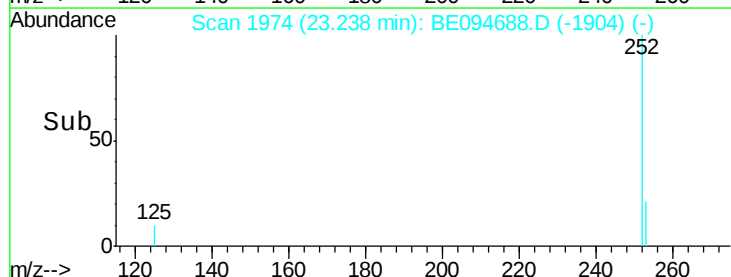
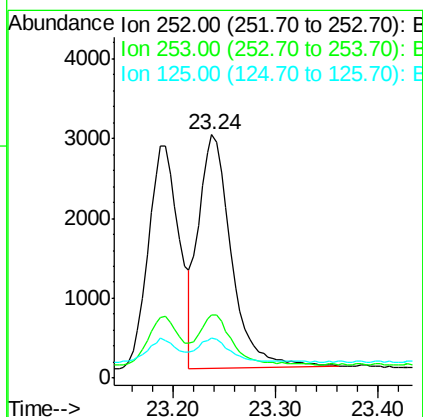
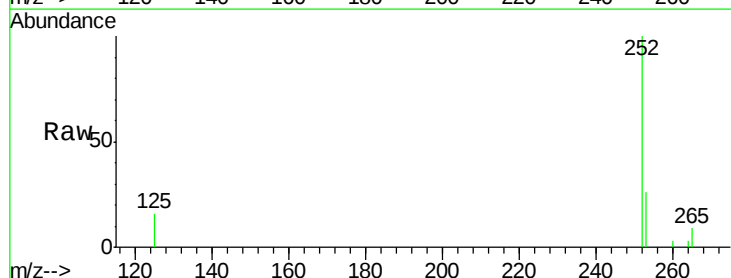
Tgt Ion:252 Resp: 6516

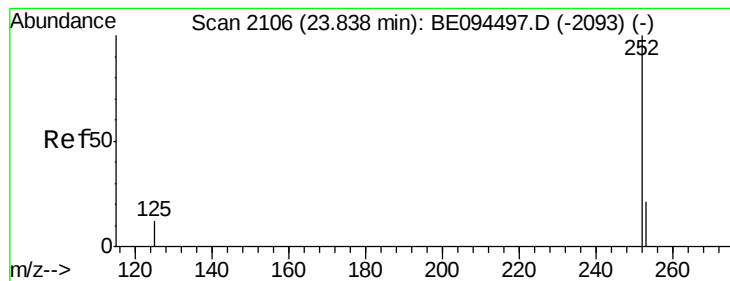
Ion Ratio Lower Upper

252 100

253 25.7 48.0 72.0#

125 16.4 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.255 ng

RT: 23.86 min Scan# 2111

Delta R.T. 0.02 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS

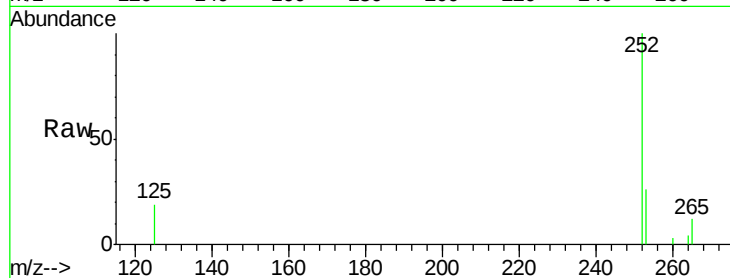
Tgt Ion: 252 Resp: 5975

Ion Ratio Lower Upper

252 100

253 26.3 52.0 78.0#

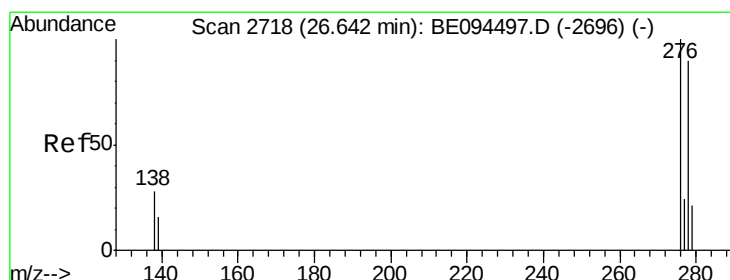
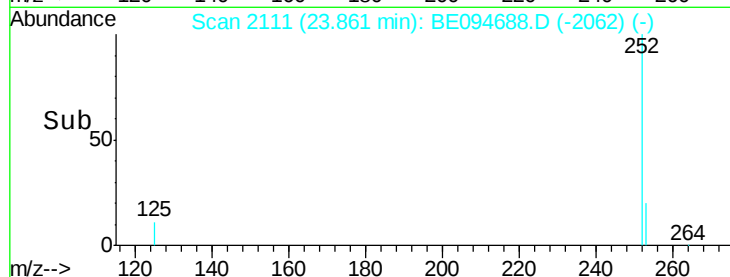
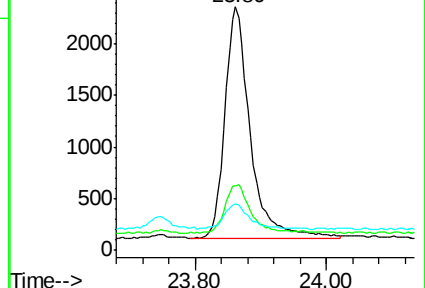
125 19.3 68.0 102.0#



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: 0.223 ng

RT: 26.68 min Scan# 2727

Delta R.T. 0.04 min

Lab File: BE094688.D

Acq: 1 Nov 2017 13:24

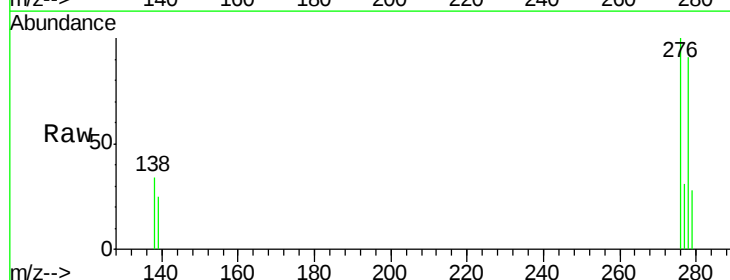
Tgt Ion: 278 Resp: 4709

Ion Ratio Lower Upper

278 100

139 27.7 56.0 84.0#

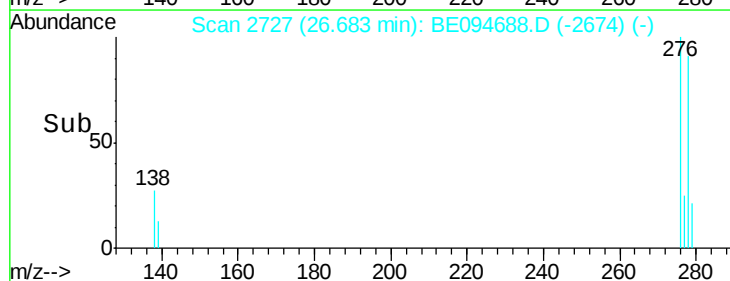
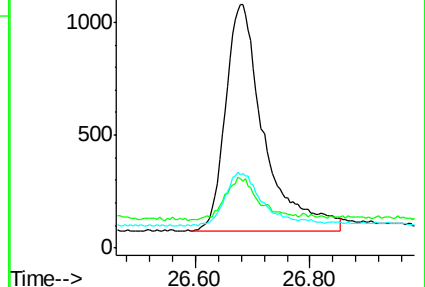
279 30.6 52.0 78.0#

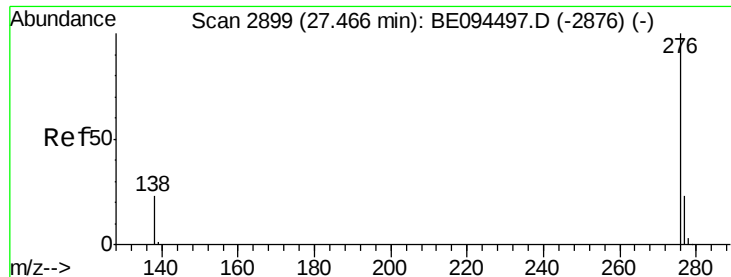


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.203 ng

RT: 27.52 min Scan# 2911

Delta R.T. 0.06 min

Lab File: BE094688.D

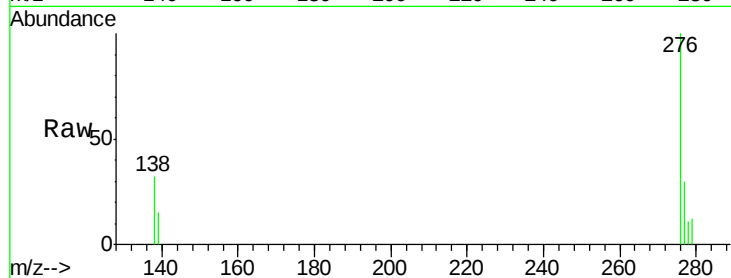
Acq: 1 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

PB103176BS



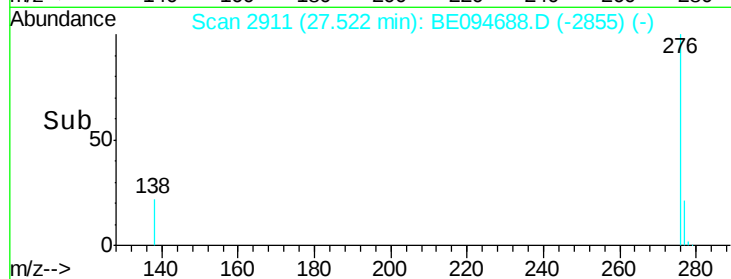
Tgt Ion: 276 Resp: 3996

Ion Ratio Lower Upper

276 100

277 29.8 52.0 78.0#

138 31.7 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

