

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\
 Data File : BE094692.D
 Acq On : 1 Nov 2017 15:44
 Operator : SJ/JU
 Sample : PB103273BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB103273BS

Quant Time: Nov 01 16:31:07 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	946	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	5466	0.40	ng	0.02
13) Acenaphthene-d10	14.52	164	3270	0.40	ng	0.01
19) Phenanthrene-d10	17.27	188	7529	0.40	ng	0.03
27) Chrysene-d12	21.44	240	8023	0.40	ng	0.01
34) Perylene-d12	23.97	264	7385	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.55	112	721	0.22	ng	0.03
5) Phenol-d6	7.21	99	1203	0.25	ng	0.08
8) Nitrobenzene-d5	9.13	82	1048	0.24	ng	0.05
11) 2-Methylnaphthalene-d10	12.31	152	3095	0.35	ng	0.02
14) 2,4,6-Tribromophenol	16.06	330	180	0.20	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	3186	0.28	ng	0.01
25) Fluoranthene-d10	19.30	212	25317	0.24	ng	0.02
29) Terphenyl-d14	19.87	244	3871	0.26	ng	0.00

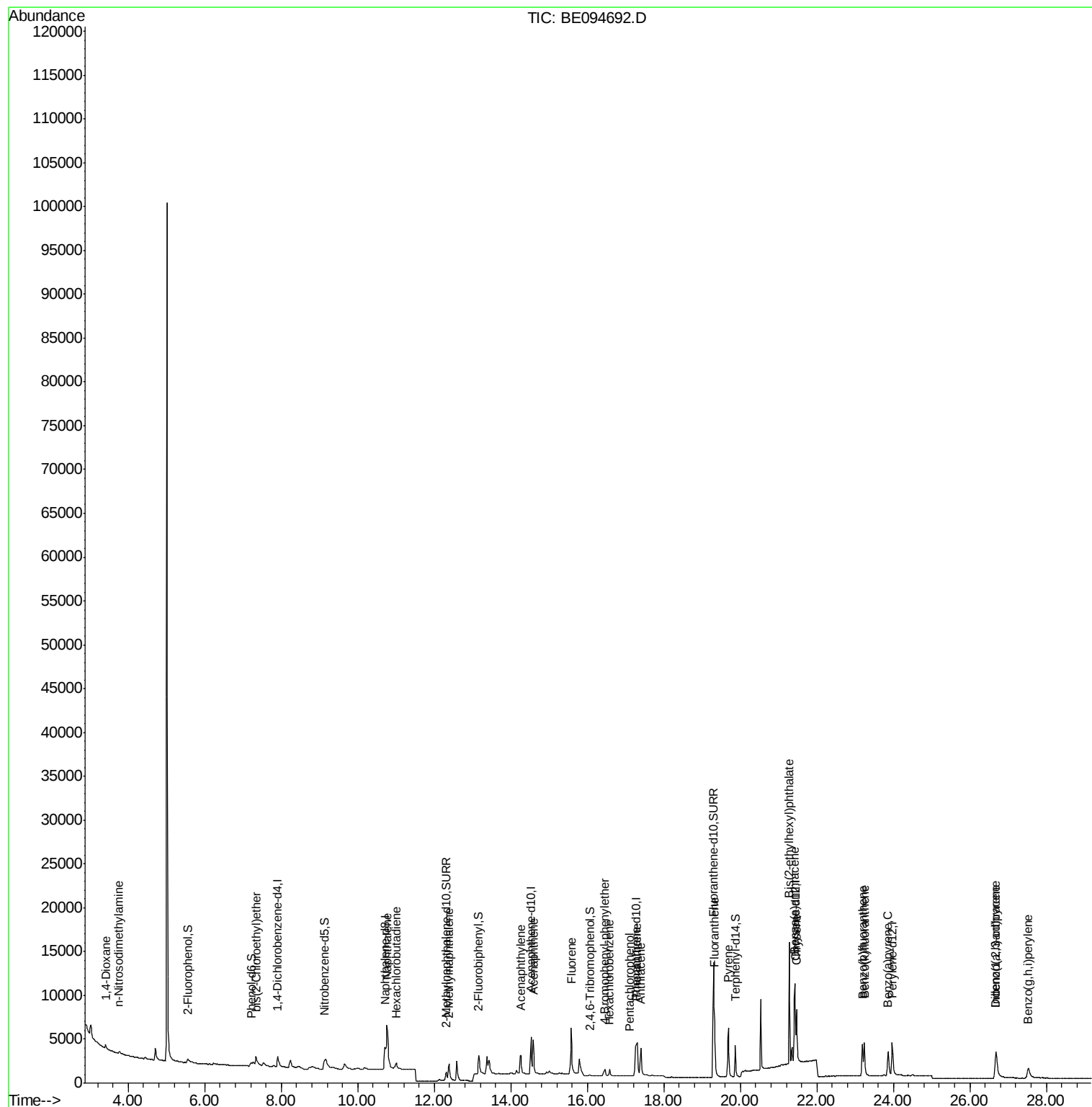
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	390	0.244	ng	# 43
3) n-Nitrosodimethylamine	3.75	42	338	0.221	ng	# 82
6) bis(2-Chloroethyl)ether	7.34	93	857	0.226	ng	# 68
9) Naphthalene	10.76	128	14344	0.232	ng	98
10) Hexachlorobutadiene	11.01	225	554	0.247	ng	99
12) 2-Methylnaphthalene	12.38	142	2590	0.247	ng	97
16) Acenaphthylene	14.26	152	4164	0.241	ng	98
17) Acenaphthene	14.58	154	2622	0.237	ng	98
18) Fluorene	15.58	166	3375	0.238	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	790	0.193	ng	# 71
21) Hexachlorobenzene	16.58	284	1127	0.313	ng	# 63
22) Pentachlorophenol	17.10	266	45	0.098	ng	96
23) Phenanthrene	17.30	178	6164	0.291	ng	99
24) Anthracene	17.40	178	5791	0.262	ng	98
26) Fluoranthene	19.33	202	6639	0.199	ng	99
28) Pyrene	19.68	202	6805	0.242	ng	98
30) Benzo(a)anthracene	21.42	228	6650	0.255	ng	# 63
31) Chrysene	21.47	228	6334	0.239	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.28	149	16032	0.250	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.68	276	5196	0.212	ng	99
35) Benzo(b)fluoranthene	23.19	252	5839	0.244	ng	# 44
36) Benzo(k)fluoranthene	23.24	252	6576	0.258	ng	# 44
37) Benzo(a)pyrene	23.86	252	5958	0.257	ng	# 39
38) Dibenzo(a,h)anthracene	26.68	278	4665	0.224	ng	# 52
39) Benzo(g,h,i)perylene	27.52	276	3697	0.190	ng	# 63

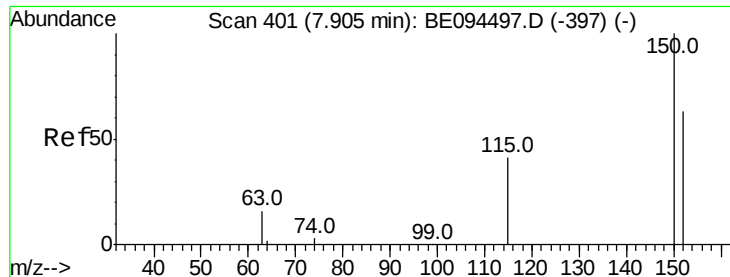
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

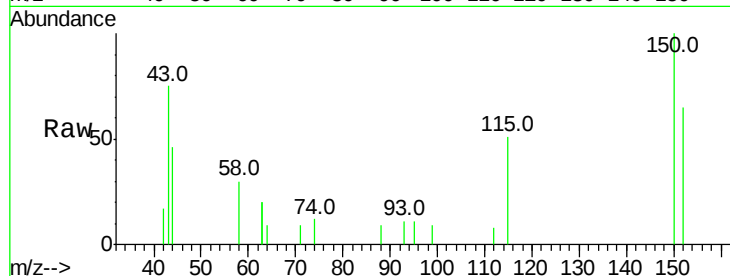
Tot Ion:152 Resp: 946

Ion Ratio Lower Upper

152 100

150 153.2 117.2 175.8

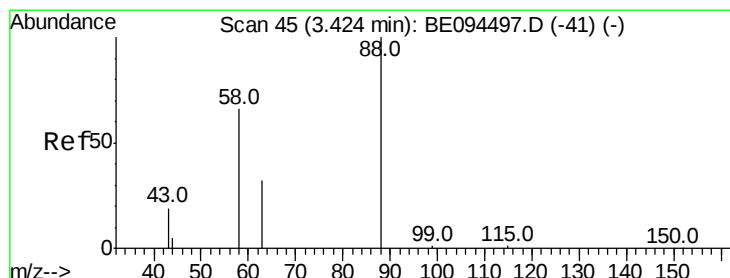
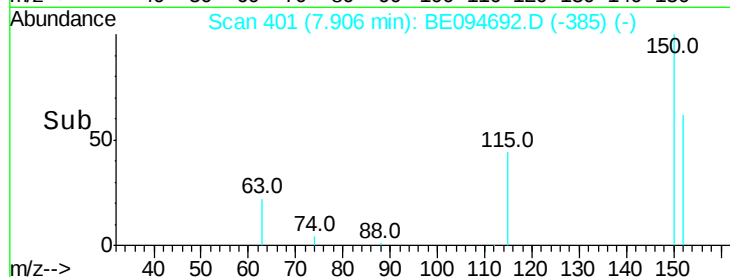
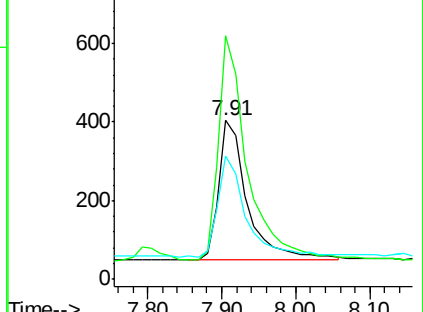
115 77.7 57.0 85.6



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: 0.244 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

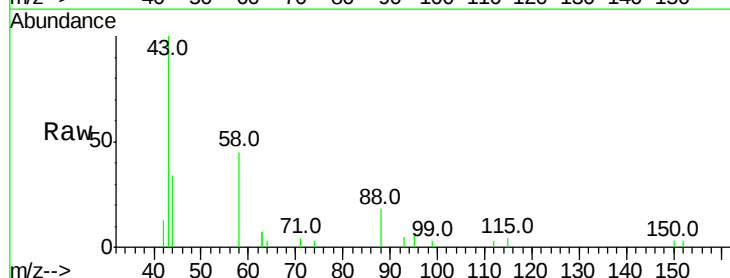
Tgt Ion: 88 Resp: 390

Ion Ratio Lower Upper

88 100

58 119.2 63.2 94.8#

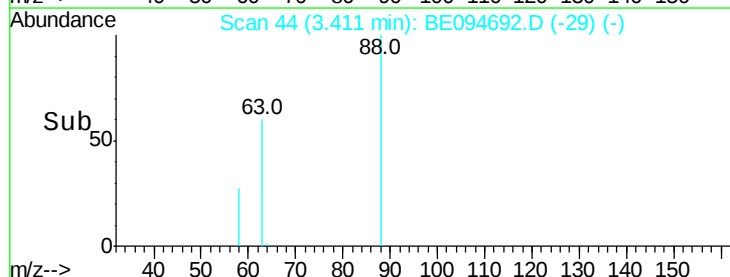
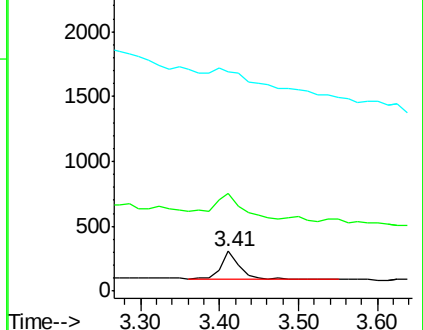
43 0.0 41.2 61.8#

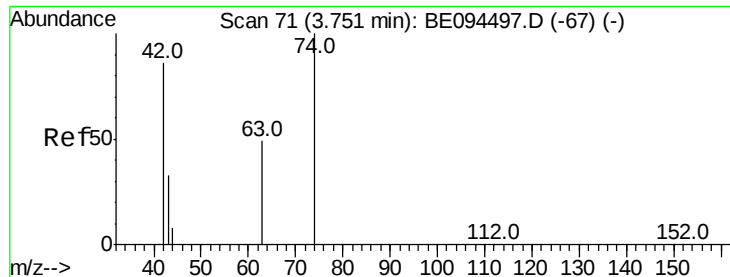


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.221 ng

RT: 3.75 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

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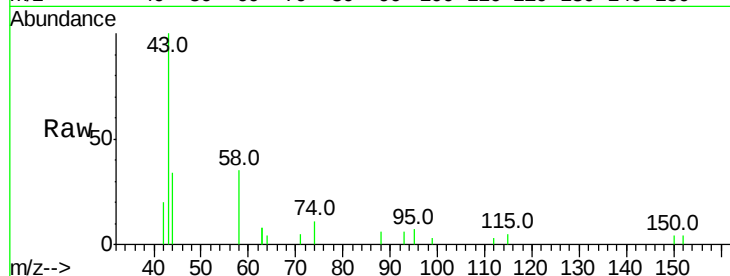
Tot Ion: 42 Resp: 338

Ion Ratio Lower Upper

42 100

74 141.1 100.3 150.5

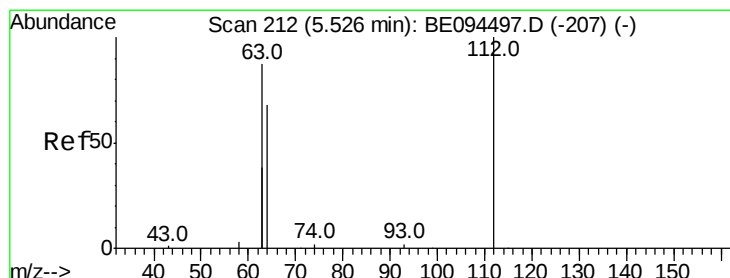
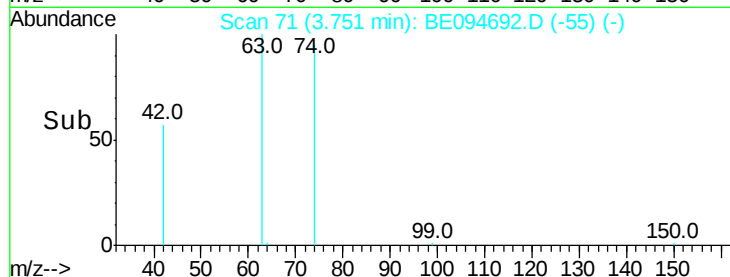
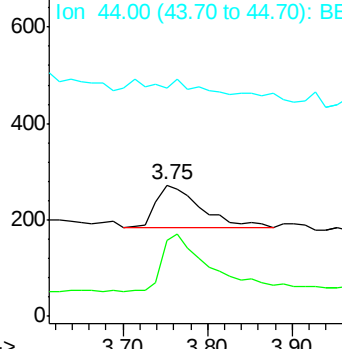
44 0.0 17.0 25.4#



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: 0.222 ng

RT: 5.55 min Scan# 214

Delta R.T. 0.03 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

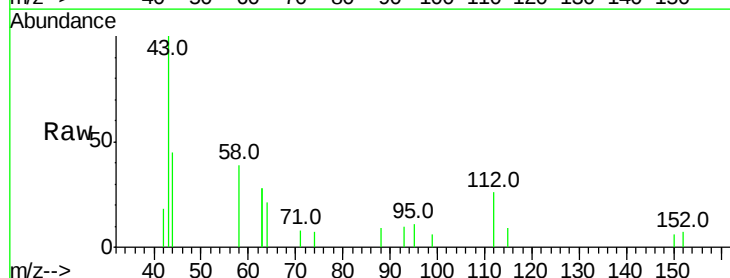
Tgt Ion: 112 Resp: 721

Ion Ratio Lower Upper

112 100

64 71.7 60.1 90.1

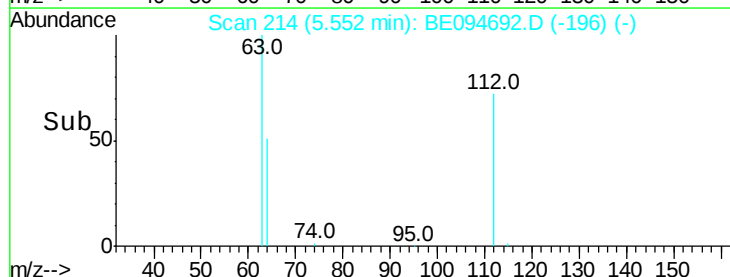
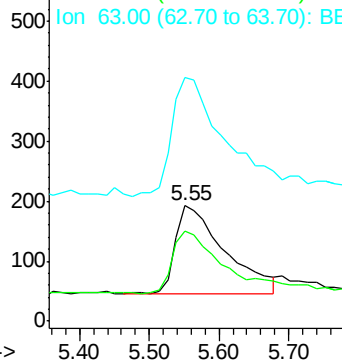
63 146.5 116.8 175.2

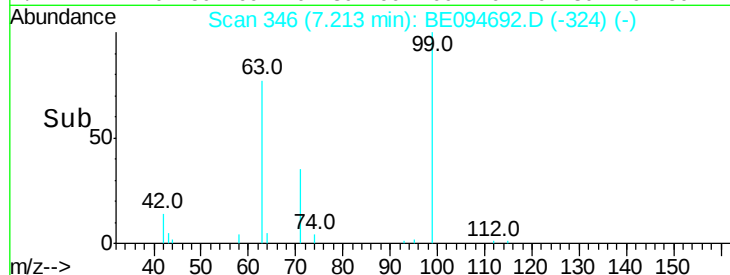
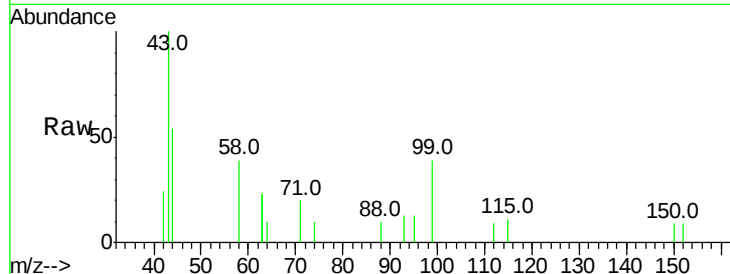
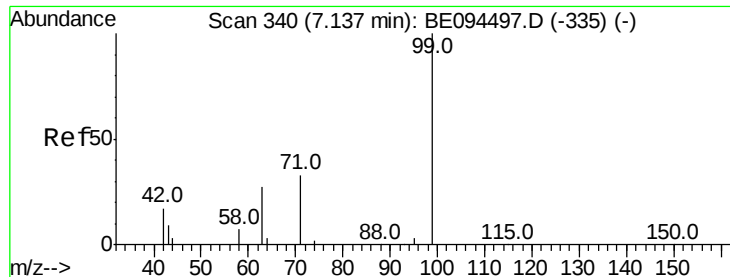


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.246 ng

RT: 7.21 min Scan# 346

Delta R.T. 0.08 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

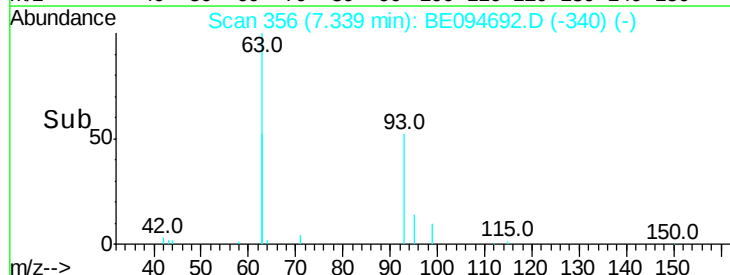
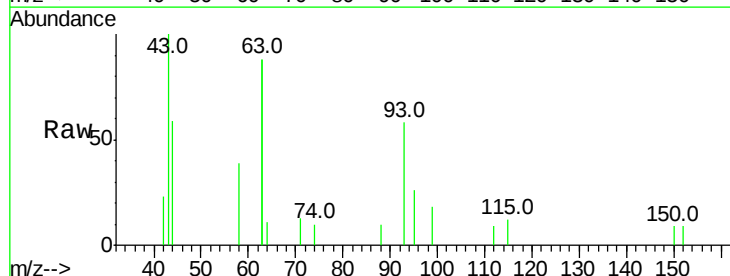
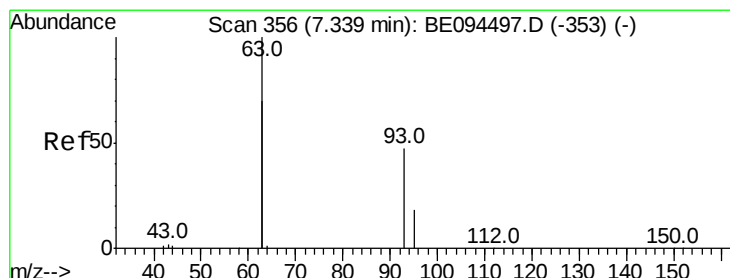
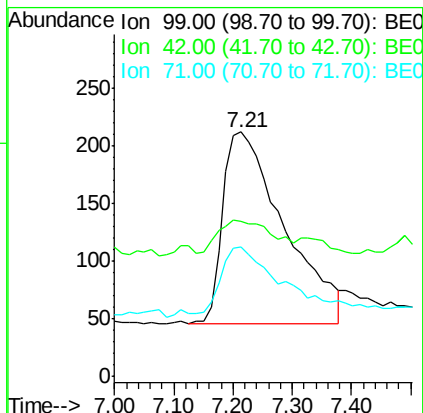
Tot Ion: 99 Resp: 1203

Ion Ratio Lower Upper

99 100

42 15.5 20.2 30.2#

71 33.7 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.226 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

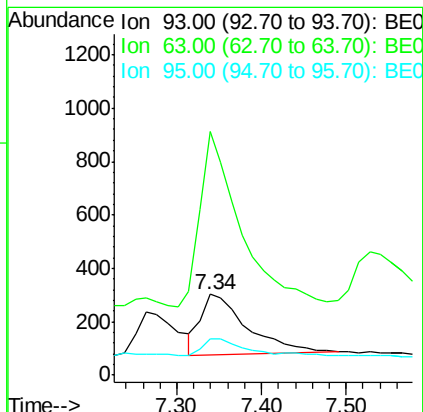
Tgt Ion: 93 Resp: 857

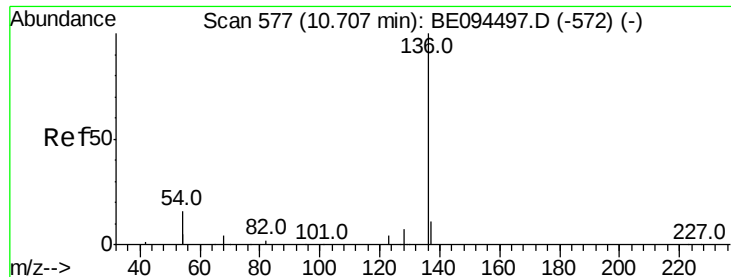
Ion Ratio Lower Upper

93 100

63 269.4 275.3 412.9#

95 29.1 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: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

Tot Ion:136 Resp: 5466

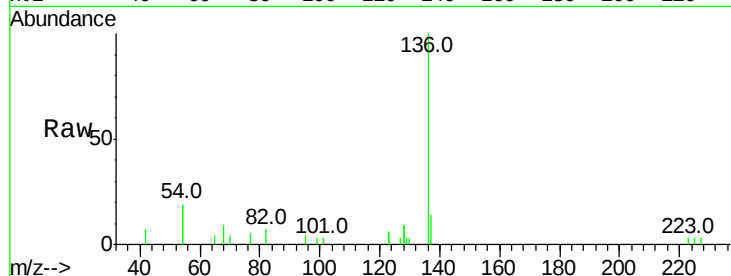
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 37.6 29.1 43.7

68 8.6 6.2 9.2

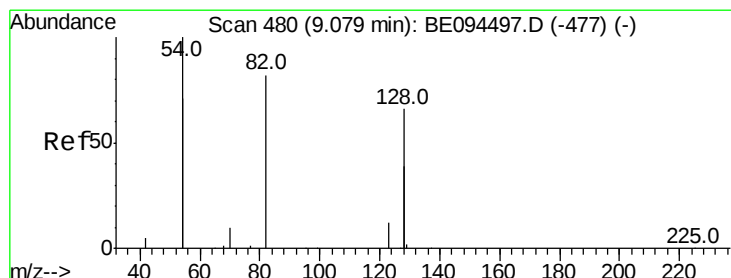
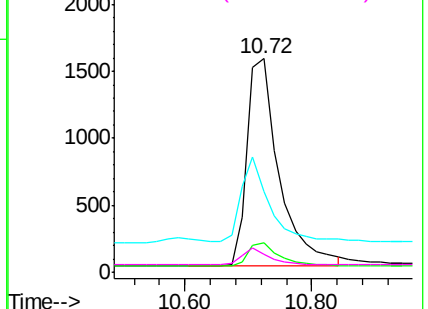
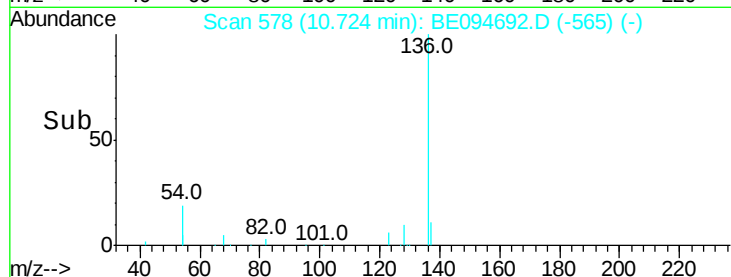


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.240 ng

RT: 9.13 min Scan# 483

Delta R.T. 0.05 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

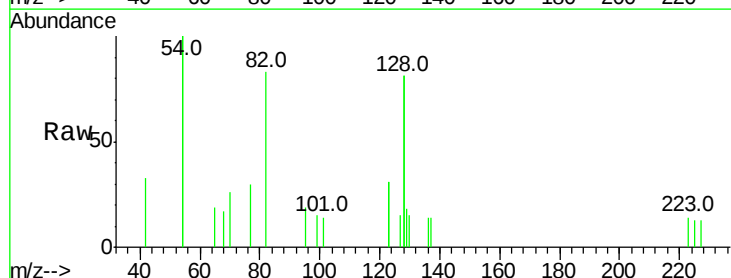
Tgt Ion: 82 Resp: 1048

Ion Ratio Lower Upper

82 100

128 193.5 150.0 225.0

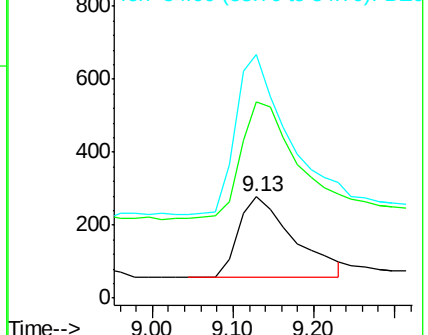
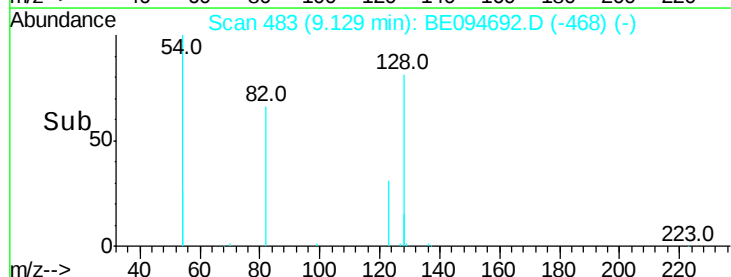
54 240.3 154.2 231.4#

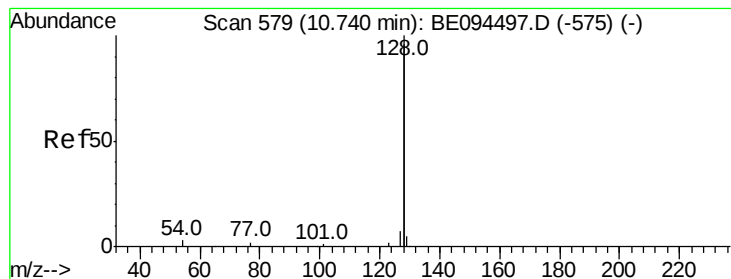


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.232 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.02 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

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BNA_E

ClientSampleId :

PB103273BS

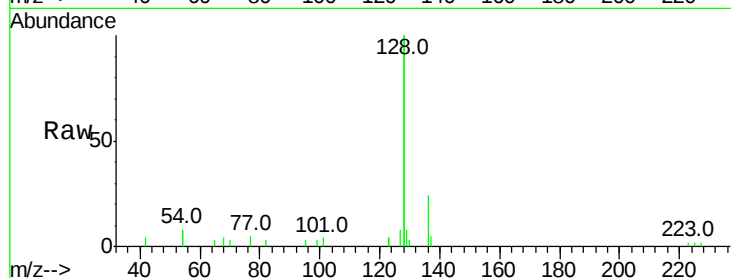
Tot Ion:128 Resp: 14344

Ion Ratio Lower Upper

128 100

129 3.8 2.6 3.8

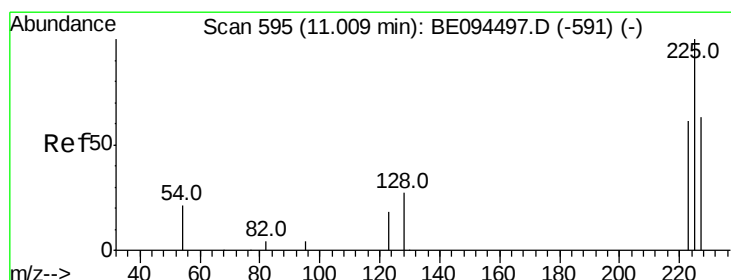
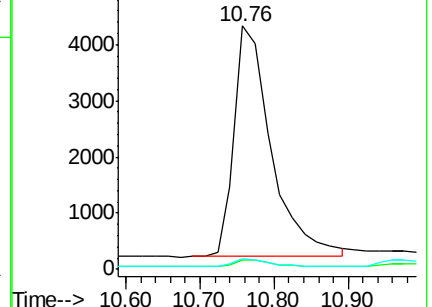
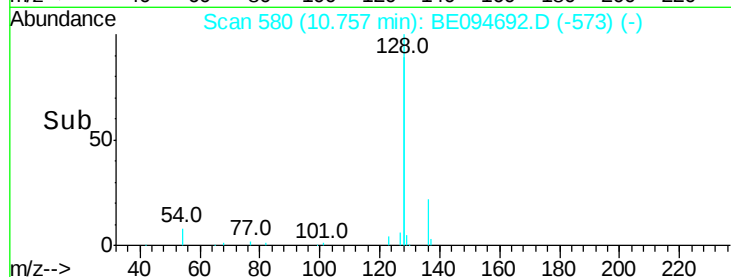
127 4.2 2.8 4.2



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: 0.247 ng

RT: 11.01 min Scan# 595

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

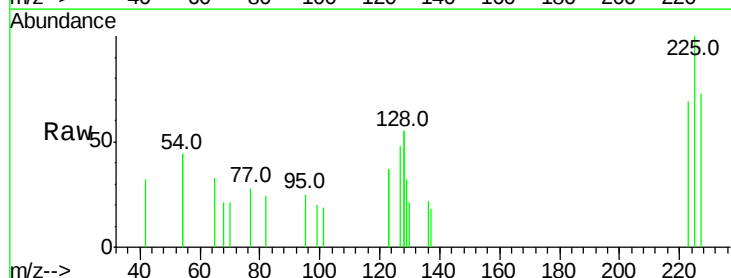
Tgt Ion:225 Resp: 554

Ion Ratio Lower Upper

225 100

223 64.1 53.0 79.6

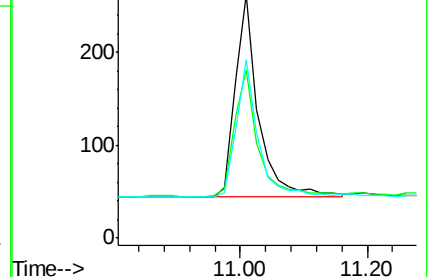
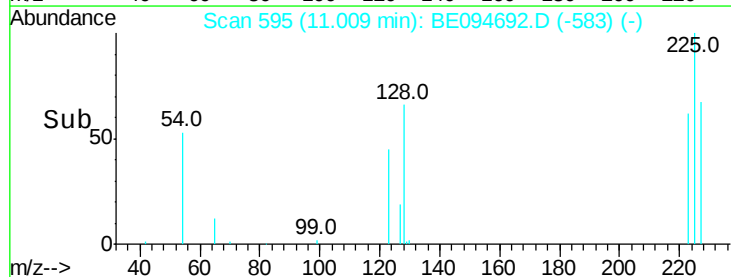
227 64.3 51.4 77.2

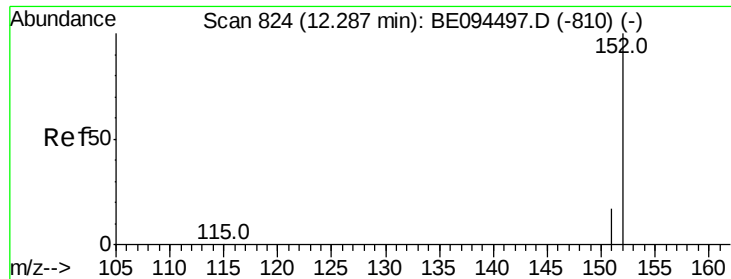


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

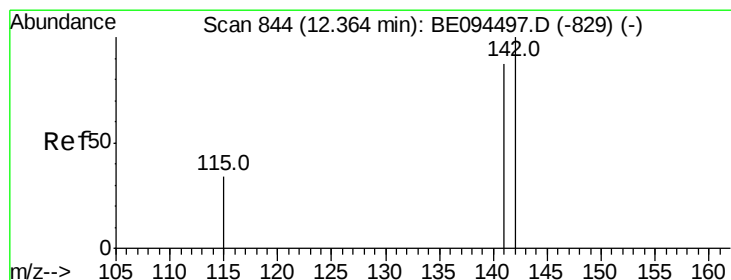
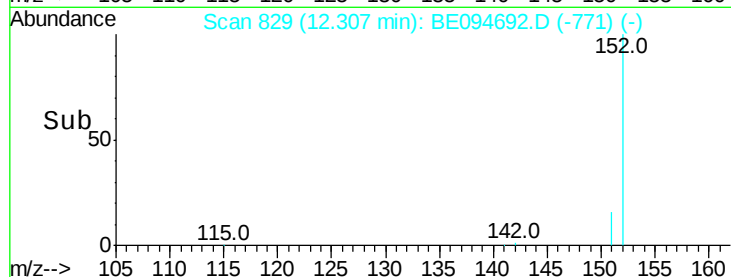
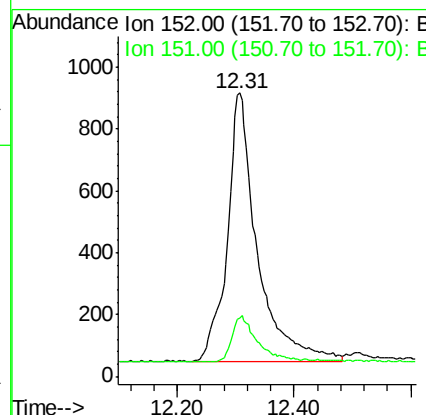
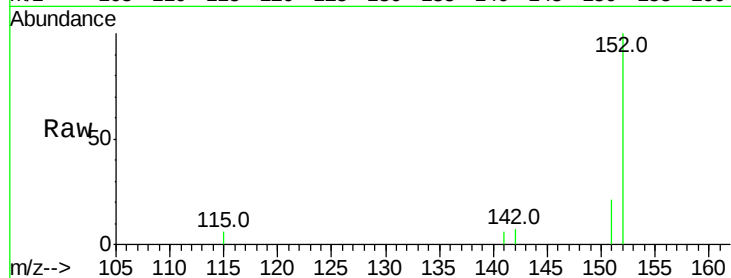




#11
 2-Methylnaphthalene-d10
 Concen: 0.353 ng
 RT: 12.31 min Scan# 829
 Delta R.T. 0.02 min
 Lab File: BE094692.D
 Acq: 1 Nov 2017 15:44

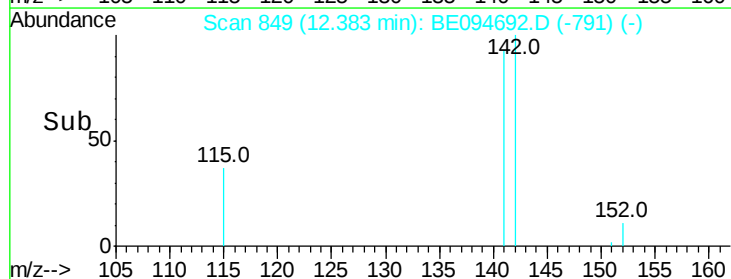
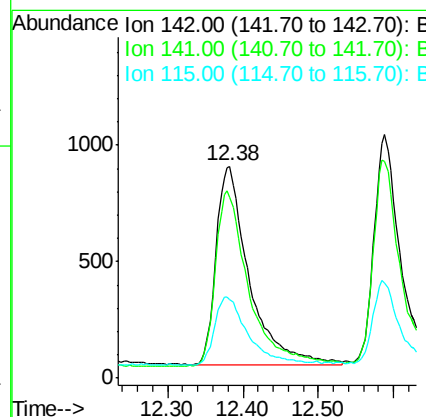
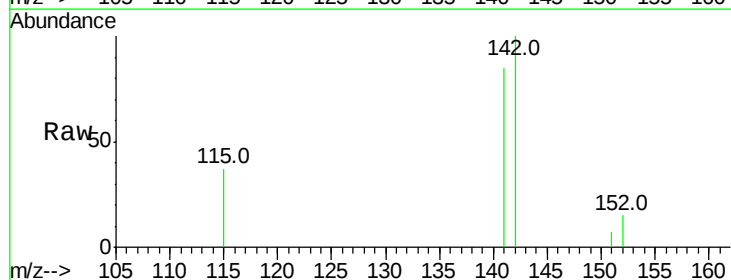
Instrument :
 BNA_E
 ClientSampleId :
 PB103273BS

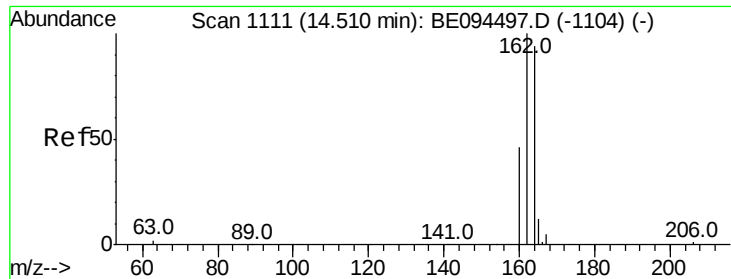
Tot Ion:152 Resp: 3095
 Ion Ratio Lower Upper
 152 100
 151 14.2 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 0.247 ng
 RT: 12.38 min Scan# 849
 Delta R.T. 0.02 min
 Lab File: BE094692.D
 Acq: 1 Nov 2017 15:44

Tgt Ion:142 Resp: 2590
 Ion Ratio Lower Upper
 142 100
 141 85.2 70.4 105.6
 115 37.1 31.7 47.5

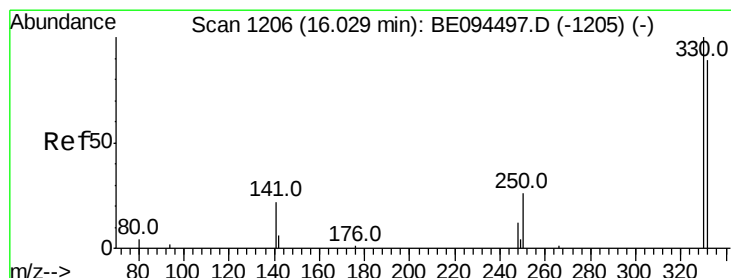
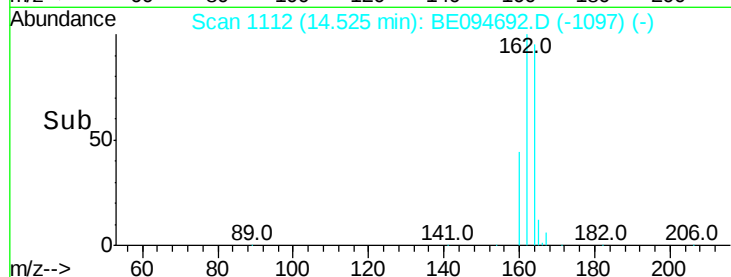
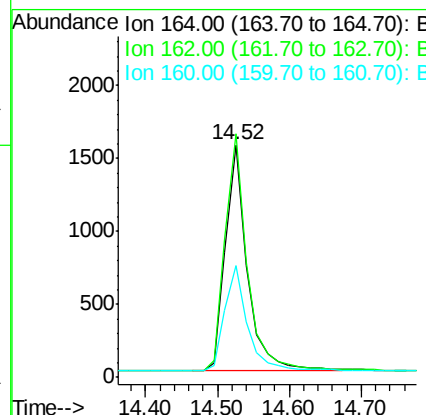
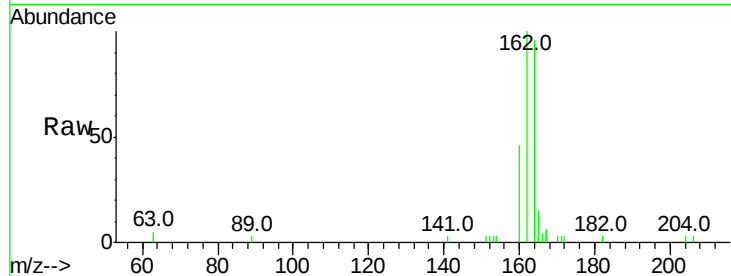




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: BE094692.D
 Acq: 1 Nov 2017 15:44

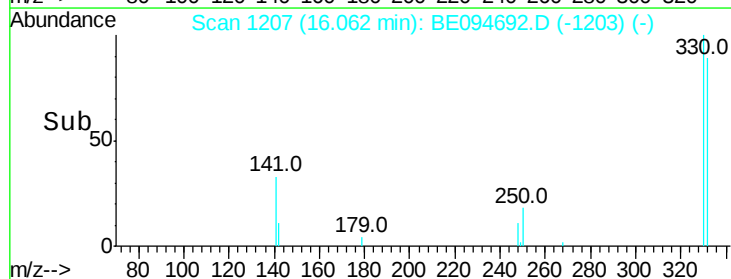
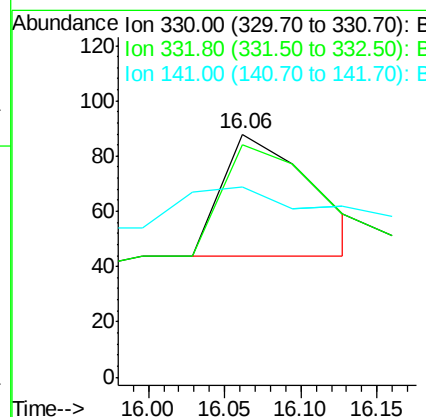
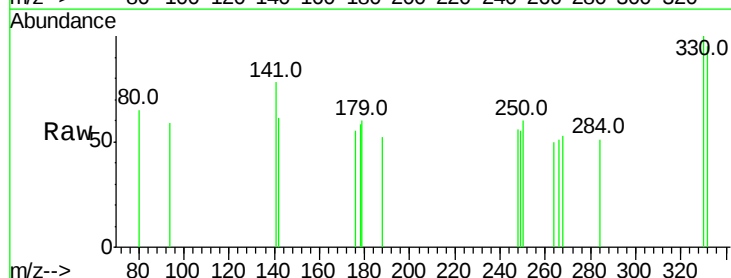
Instrument :
 BNA_E
 ClientSampleId :
 PB103273BS

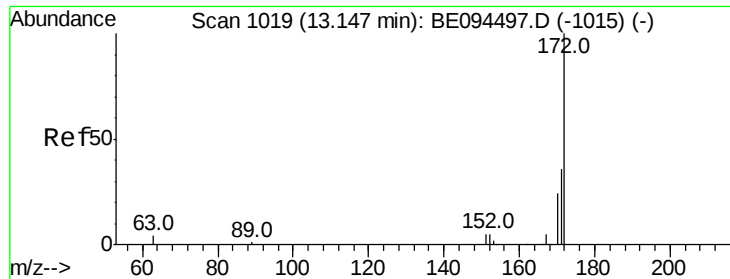
Tot Ion:164 Resp: 3270
 Ion Ratio Lower Upper
 164 100
 162 104.6 83.1 124.7
 160 48.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.200 ng
 RT: 16.06 min Scan# 1207
 Delta R.T. 0.03 min
 Lab File: BE094692.D
 Acq: 1 Nov 2017 15:44

Tgt Ion:330 Resp: 180
 Ion Ratio Lower Upper
 330 100
 332 95.6 152.7 229.1#
 141 37.8 33.7 50.5

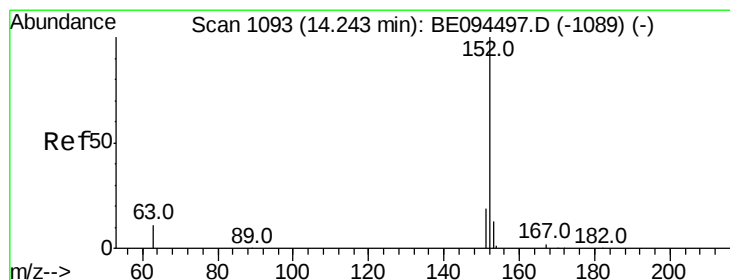
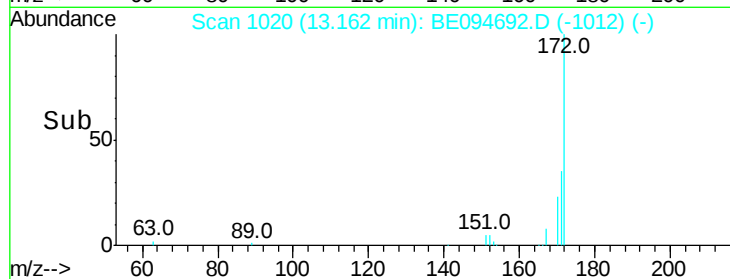
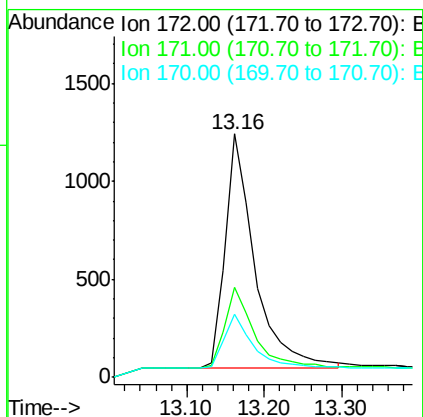
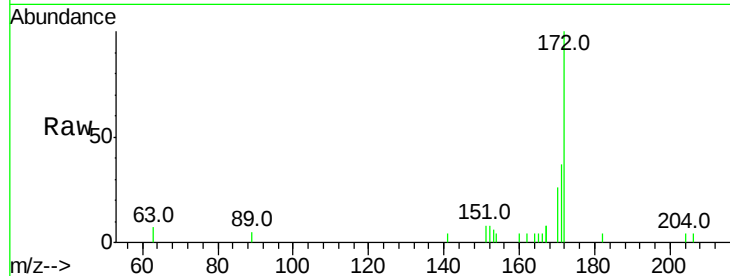




#15
2-Fluorobiphenyl
Concen: 0.276 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

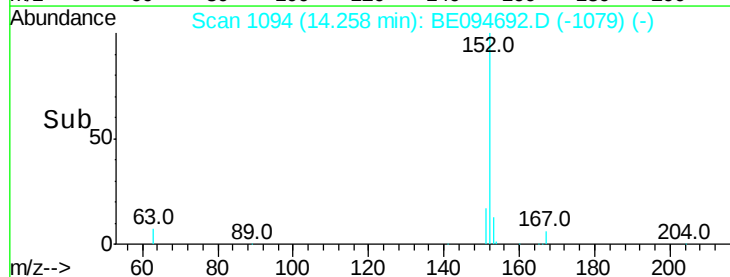
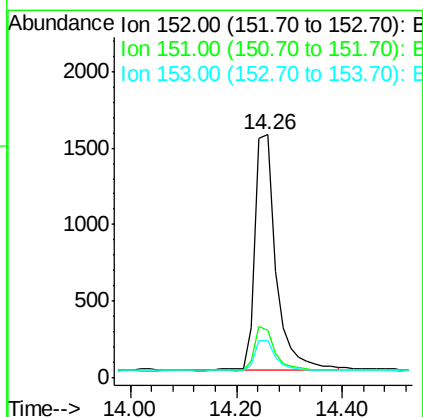
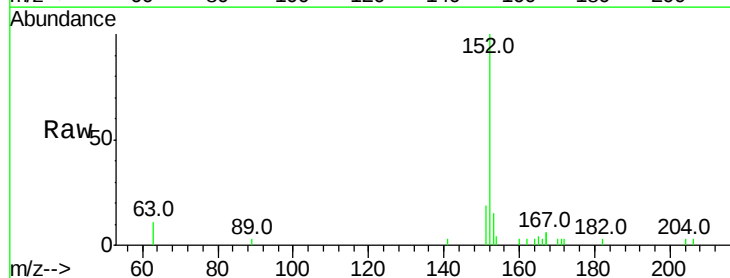
Instrument :
BNA_E
ClientSampleId :
PB103273BS

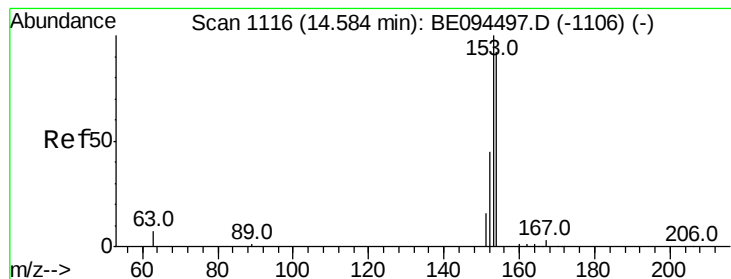
Tot Ion:172 Resp: 3186
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 26.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.241 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:152 Resp: 4164
Ion Ratio Lower Upper
152 100
151 18.2 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.237 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

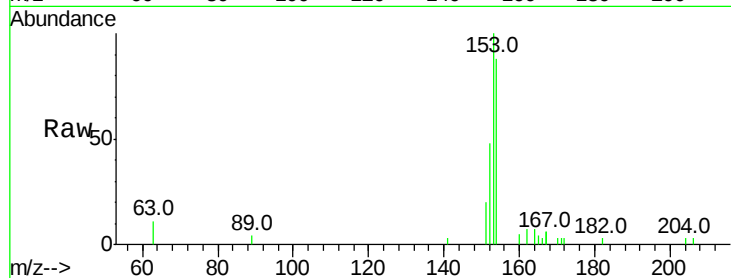
Tot Ion:154 Resp: 2622

Ion Ratio Lower Upper

154 100

153 115.0 89.2 133.8

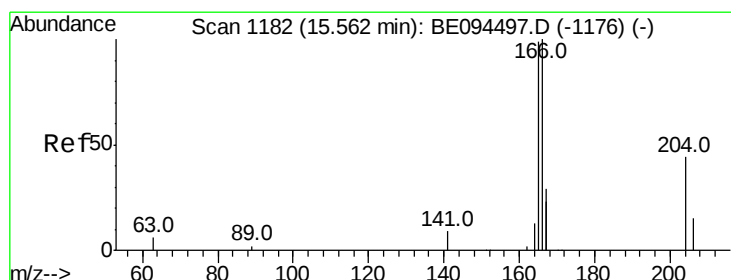
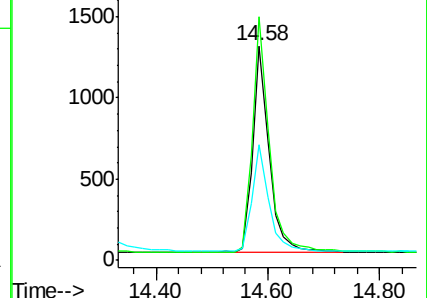
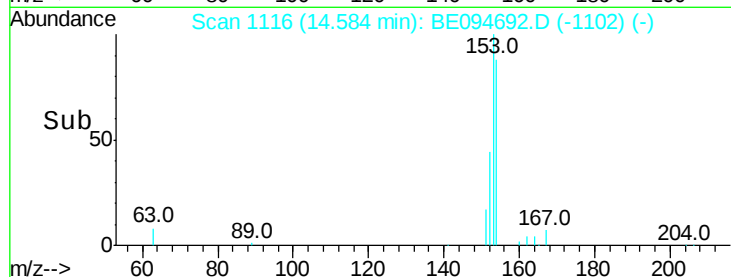
152 52.1 42.0 63.0



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: 0.238 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

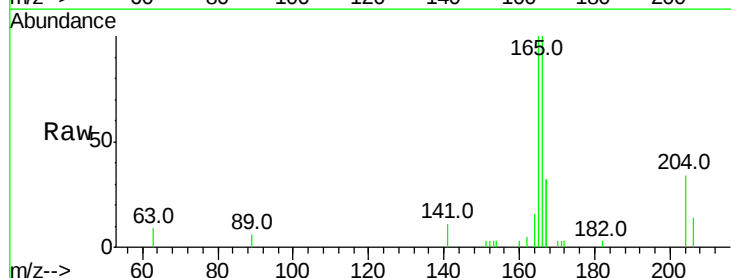
Tgt Ion:166 Resp: 3375

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.6

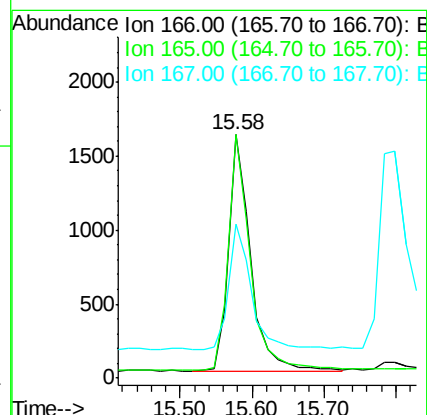
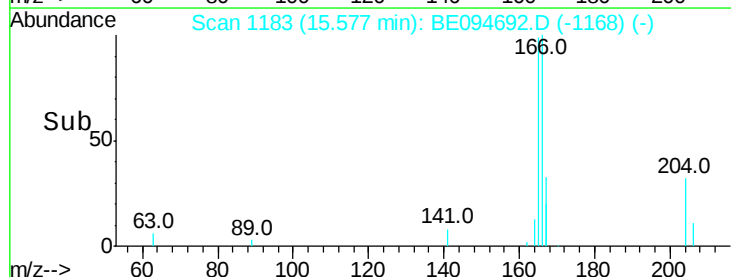
167 55.5 42.4 63.6

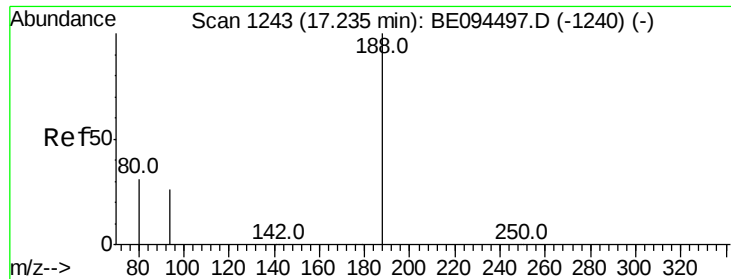


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

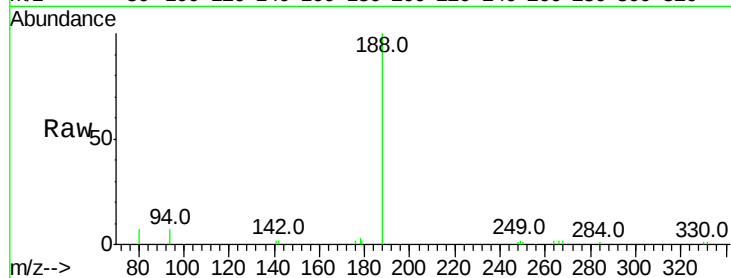
Tot Ion:188 Resp: 7529

Ion Ratio Lower Upper

188 100

94 6.8 3.9 5.9#

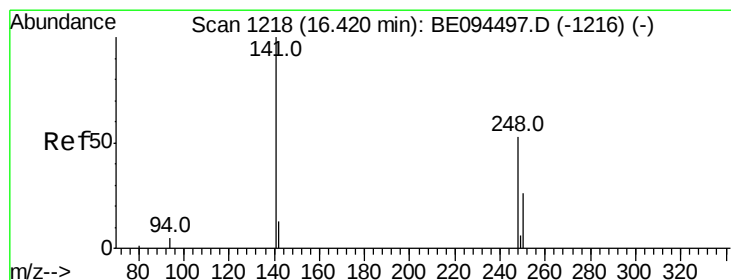
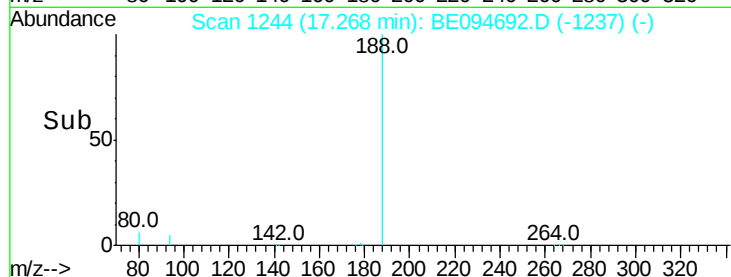
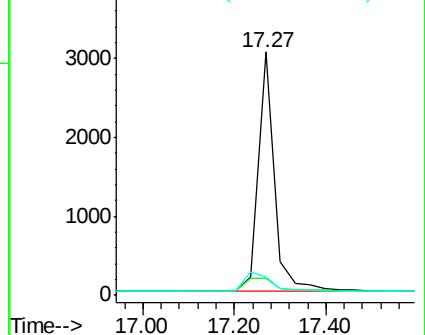
80 7.3 3.6 5.4#



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: 0.193 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.03 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

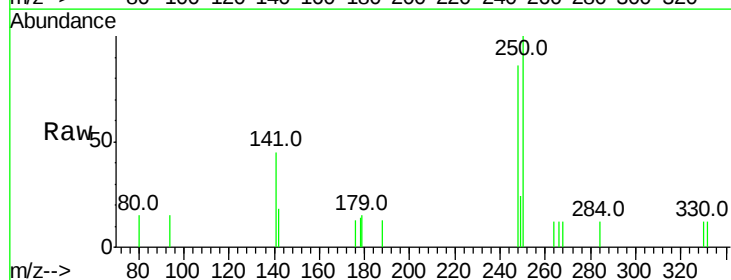
Tgt Ion:248 Resp: 790

Ion Ratio Lower Upper

248 100

250 116.4 62.7 94.1#

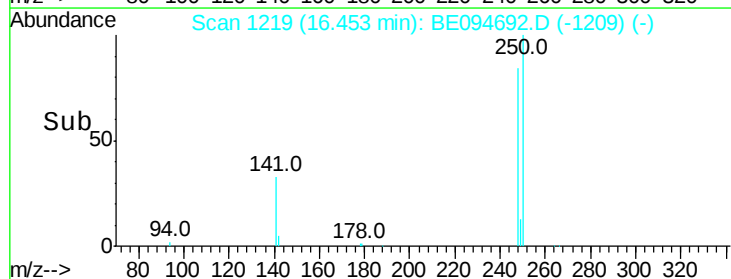
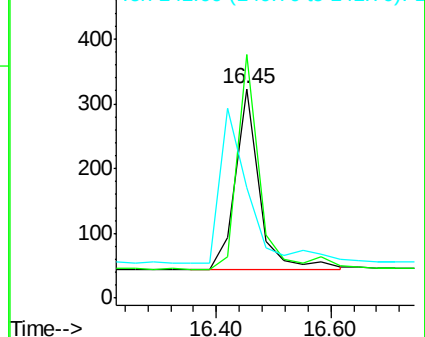
141 52.9 48.2 72.2

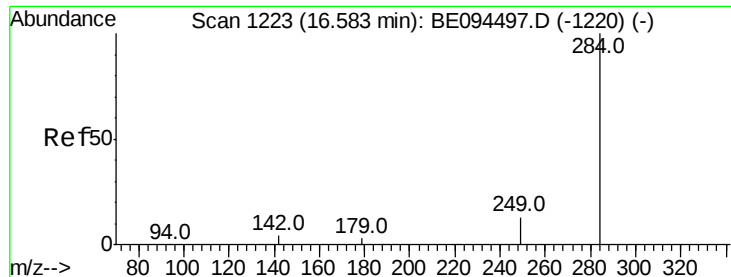


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.313 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

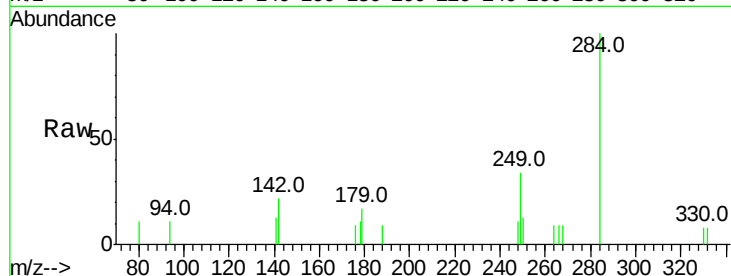
Tot Ion:284 Resp: 1127

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

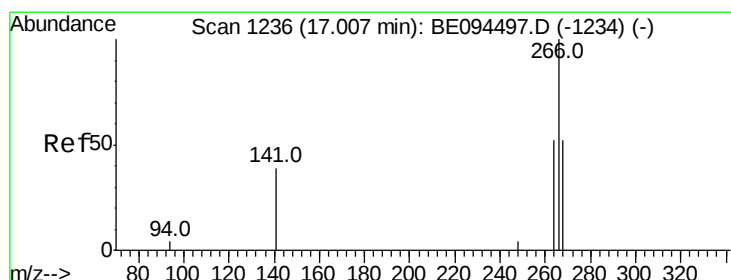
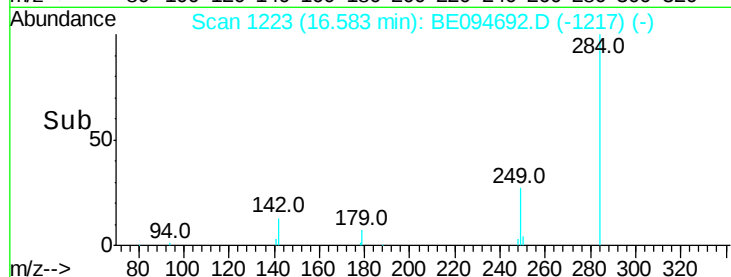
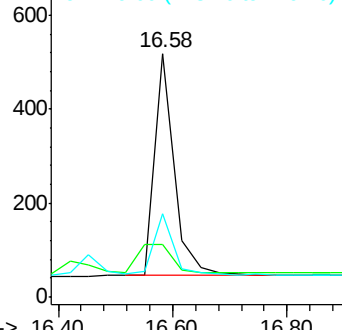
249 26.4 34.8 52.2#



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: 0.098 ng

RT: 17.10 min Scan# 1239

Delta R.T. 0.10 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

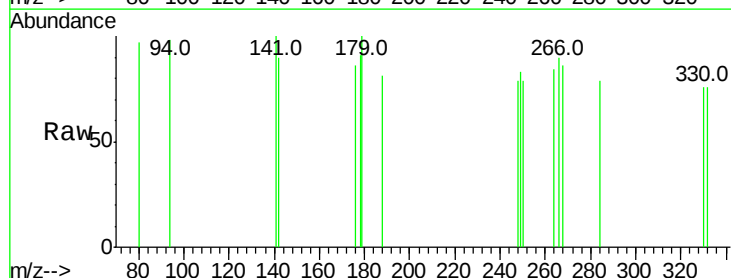
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 94.2 72.5 108.7

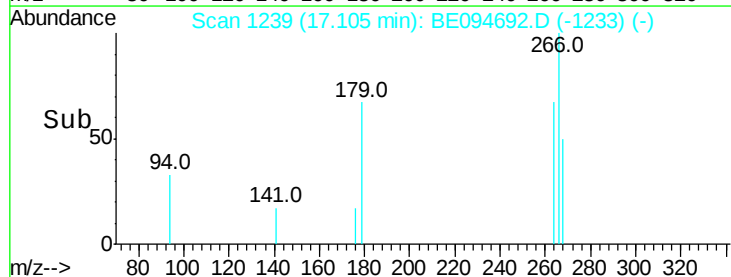
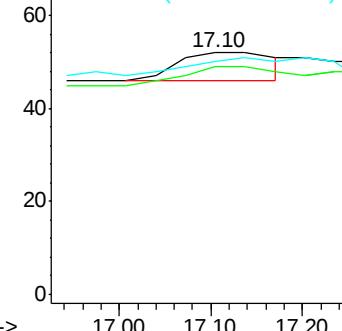
268 96.2 73.8 110.6

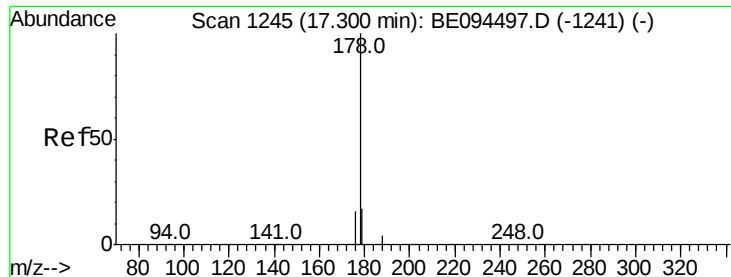


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.291 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

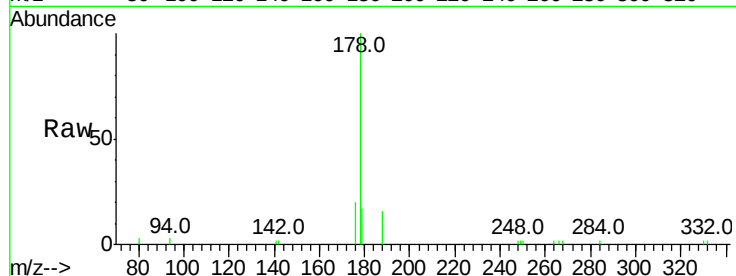
Tot Ion:178 Resp: 6164

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

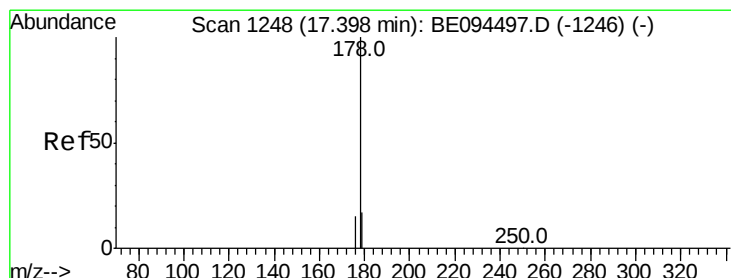
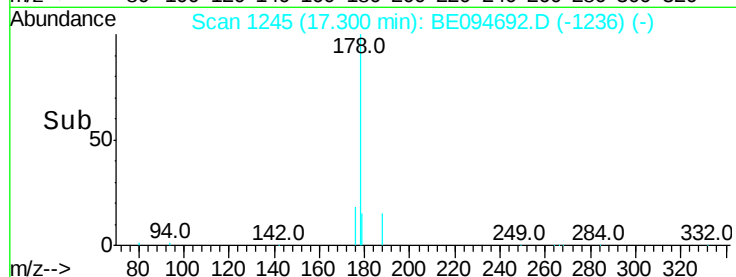
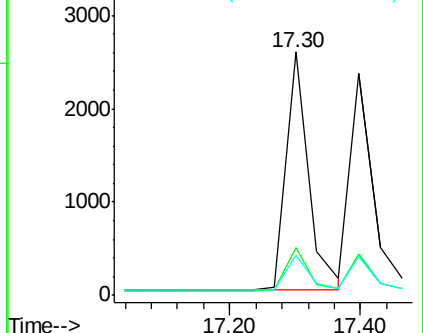
179 15.2 11.8 17.6



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: 0.262 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

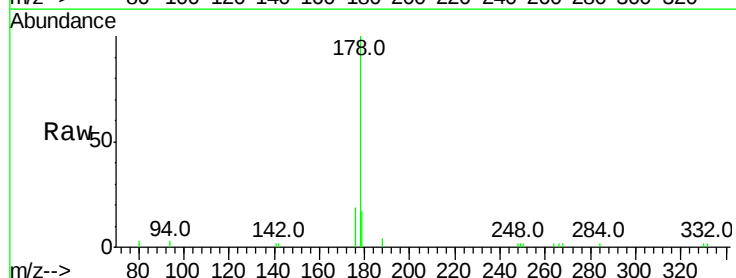
Tgt Ion:178 Resp: 5791

Ion Ratio Lower Upper

178 100

176 16.9 12.8 19.2

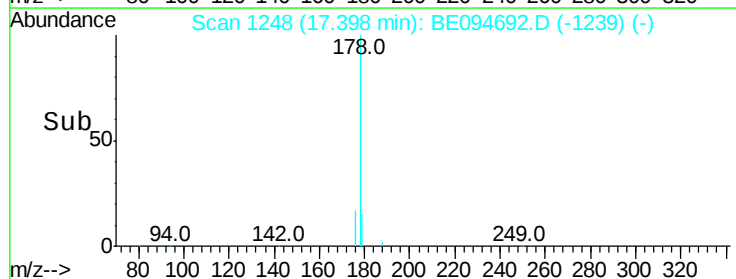
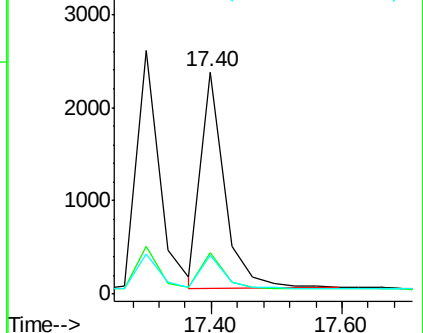
179 15.3 13.0 19.6

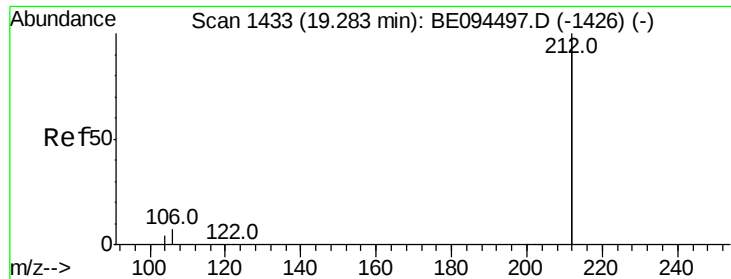


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

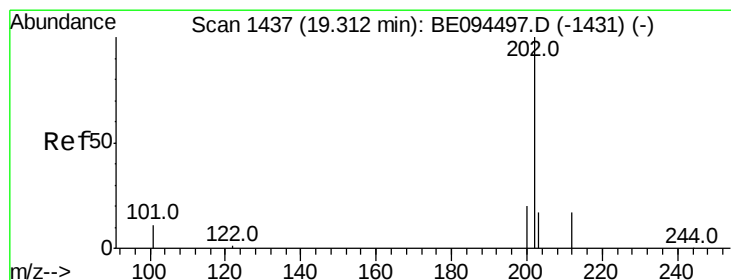
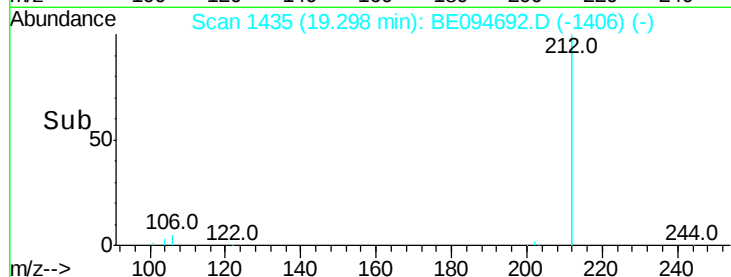
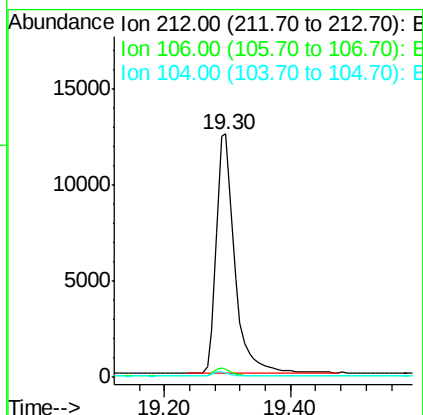
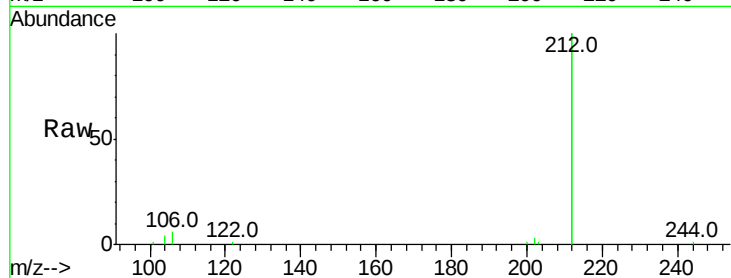




#25
 Fluoranthene-d10
 Concen: 0.243 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: BE094692.D
 Acq: 1 Nov 2017 15:44

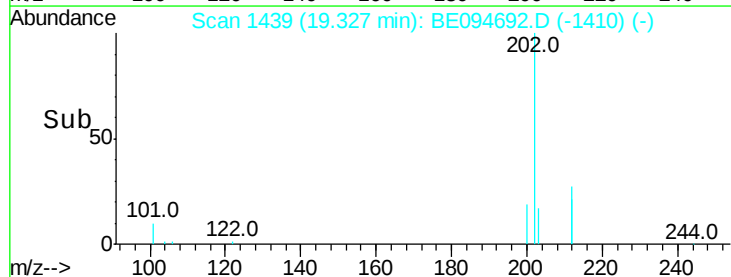
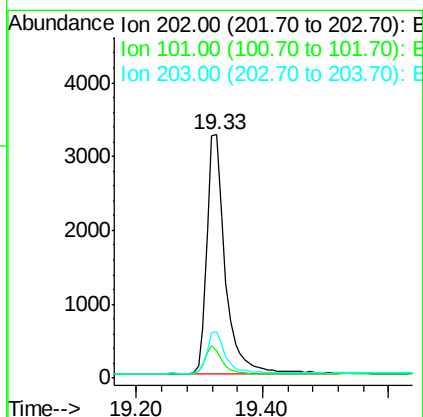
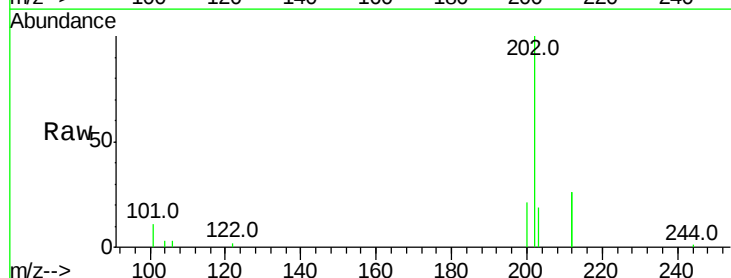
Instrument :
 BNA_E
 ClientSampleId :
 PB103273BS

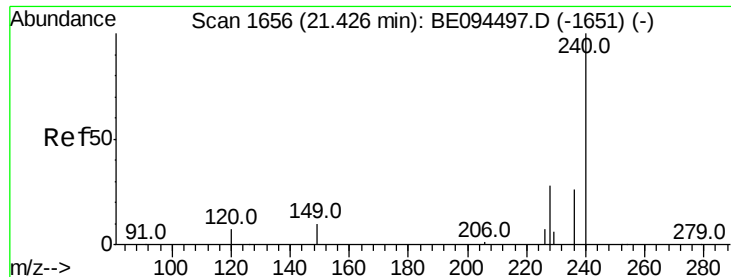
Tot Ion:212 Resp: 25317
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.8 4.2
 104 1.8 1.6 2.4



#26
 Fluoranthene
 Concen: 0.199 ng
 RT: 19.33 min Scan# 1439
 Delta R.T. 0.02 min
 Lab File: BE094692.D
 Acq: 1 Nov 2017 15:44

Tgt Ion:202 Resp: 6639
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.8 14.8
 203 16.9 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: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampled :

PB103273BS

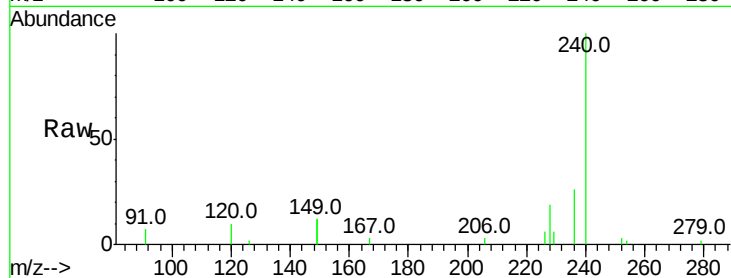
Tot Ion:240 Resp: 8023

Ion Ratio Lower Upper

240 100

120 9.7 5.5 8.3#

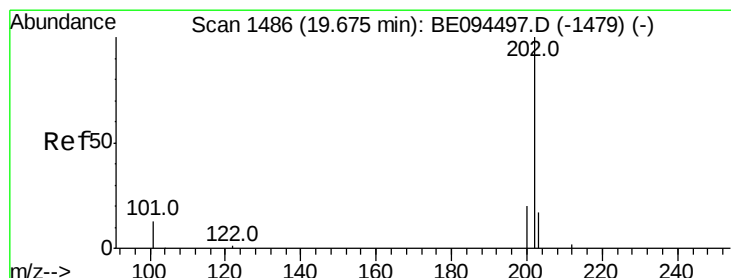
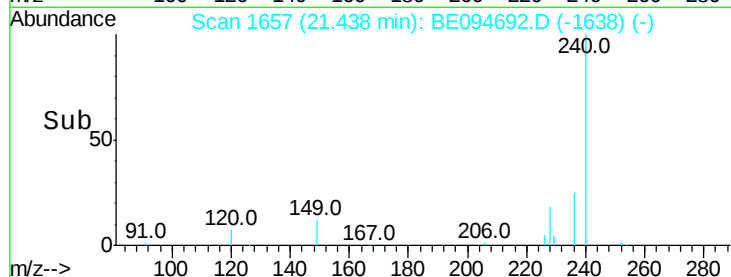
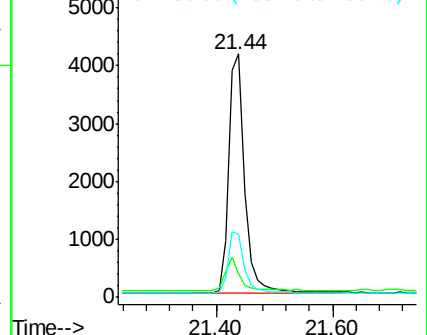
236 26.0 20.7 31.1



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: 0.242 ng

RT: 19.68 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

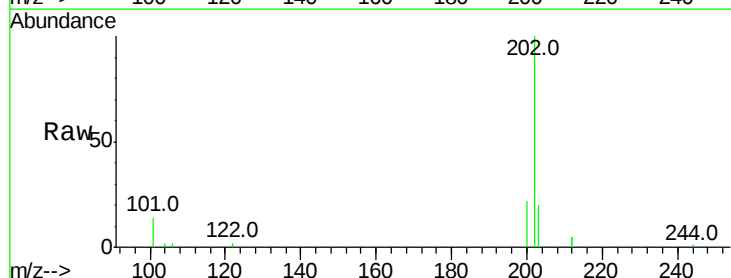
Tgt Ion:202 Resp: 6805

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

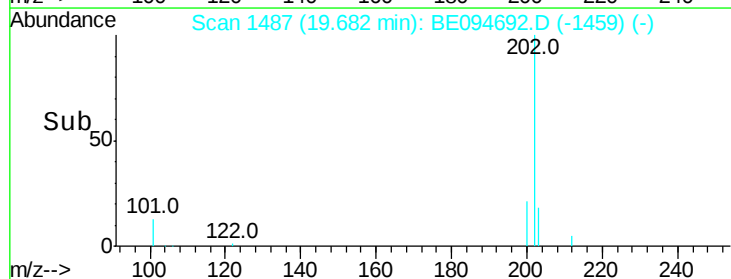
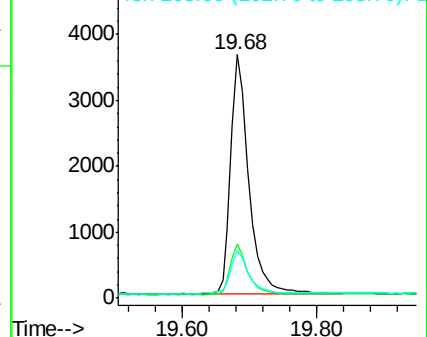
203 18.4 13.8 20.8

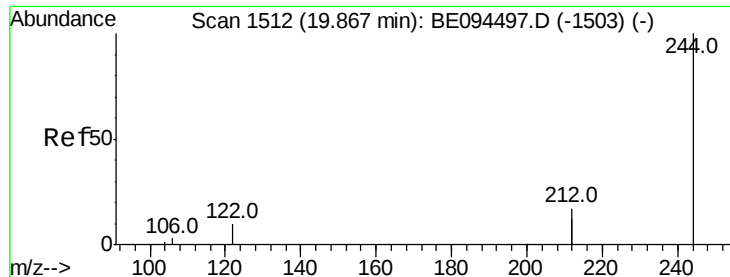


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.256 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

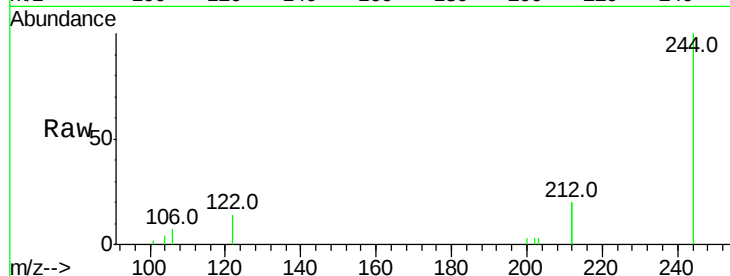
Tot Ion:244 Resp: 3871

Ion Ratio Lower Upper

244 100

212 40.8 25.4 38.0#

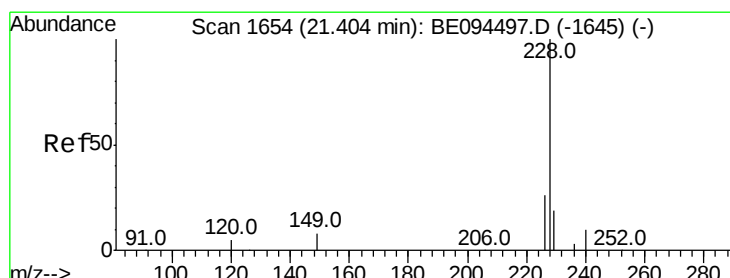
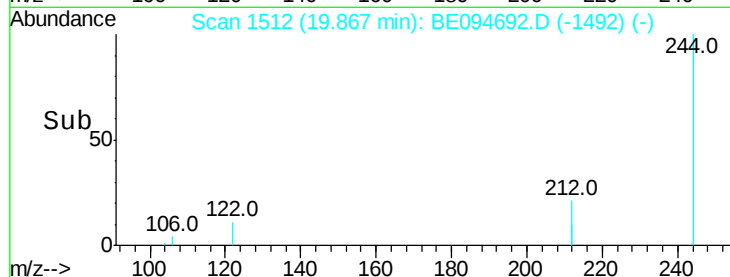
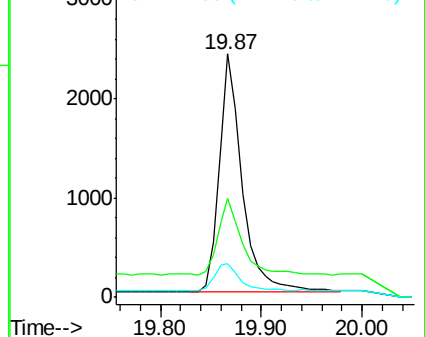
122 13.8 8.1 12.1#



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: 0.255 ng

RT: 21.42 min Scan# 1655

Delta R.T. 0.01 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

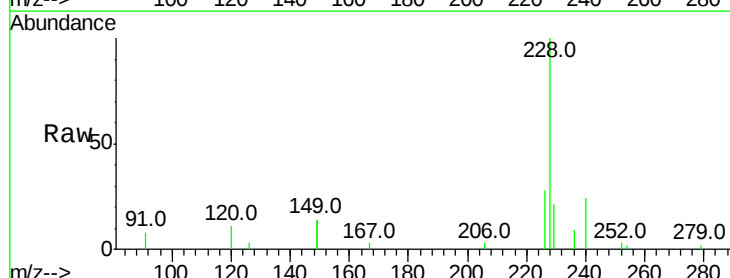
Tgt Ion:228 Resp: 6650

Ion Ratio Lower Upper

228 100

226 27.6 40.0 60.0#

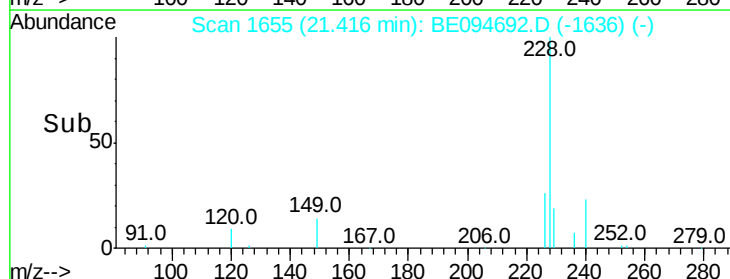
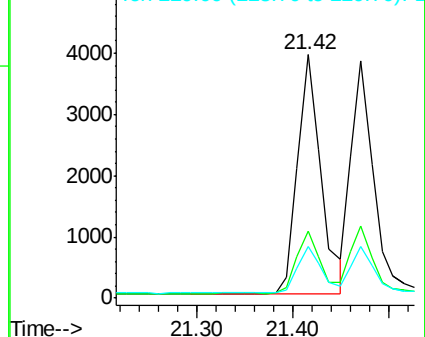
229 21.2 40.0 60.0#

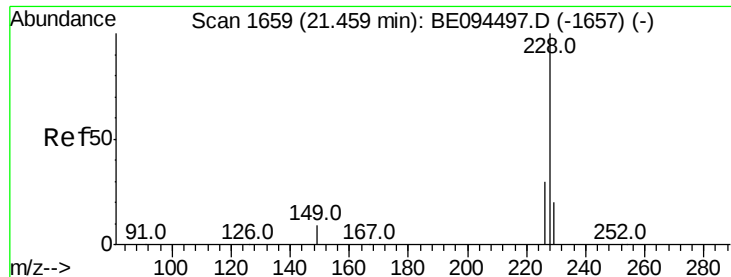


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.239 ng

RT: 21.47 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

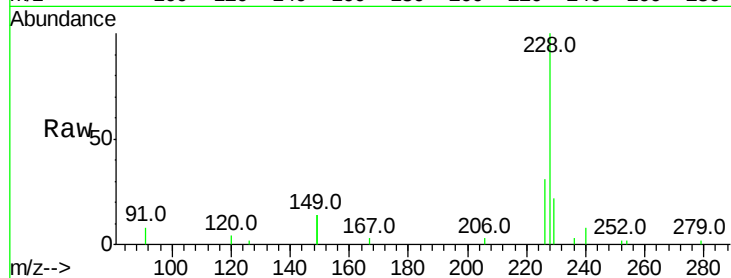
Tot Ion:228 Resp: 6334

Ion Ratio Lower Upper

228 100

226 30.5 40.0 60.0#

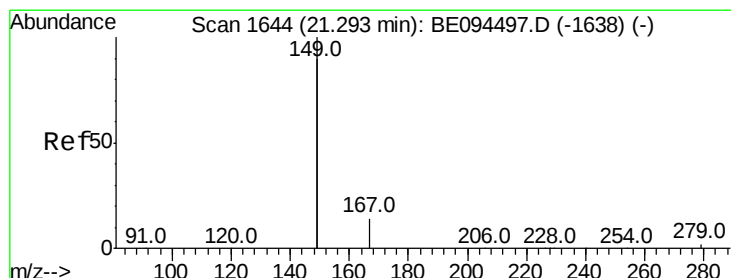
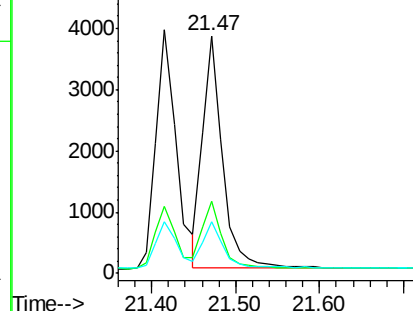
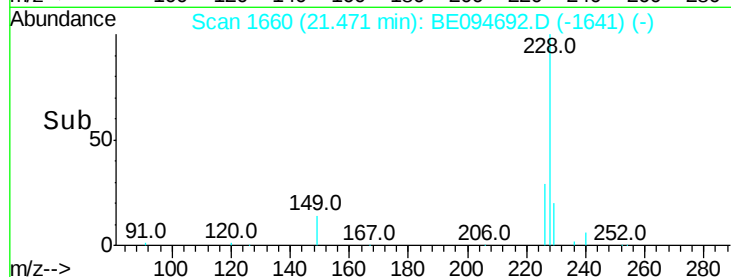
229 21.6 40.0 60.0#



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: 0.250 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

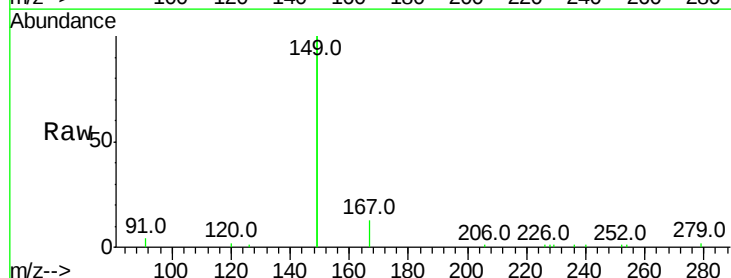
Tgt Ion:149 Resp: 16032

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

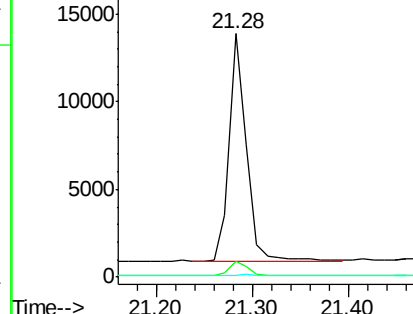
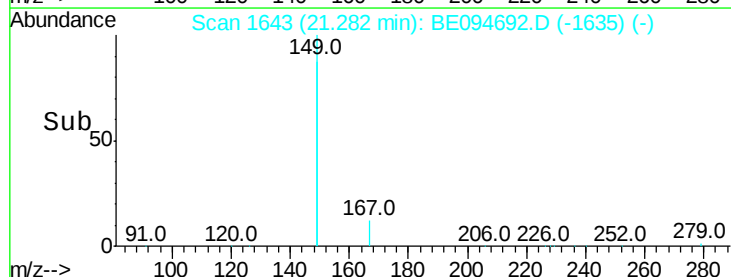
279 1.1 0.7 1.1#

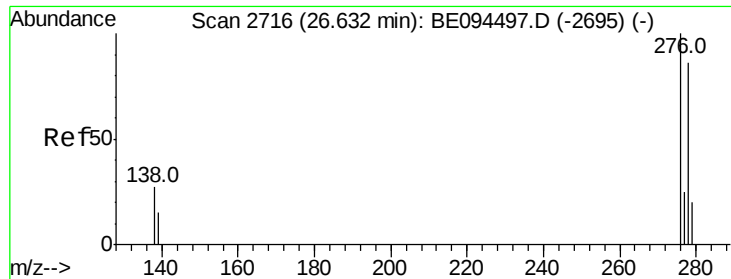


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.212 ng

RT: 26.68 min Scan# 2727

Delta R.T. 0.05 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

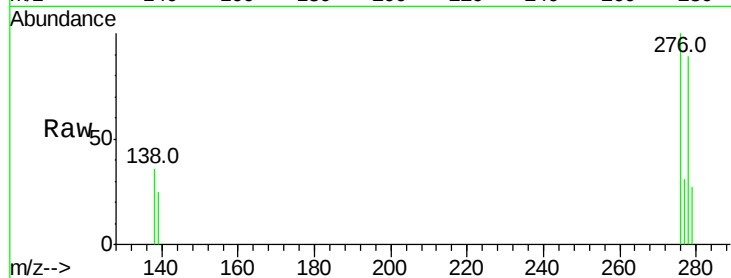
Tot Ion:276 Resp: 5196

Ion Ratio Lower Upper

276 100

138 27.0 22.5 33.7

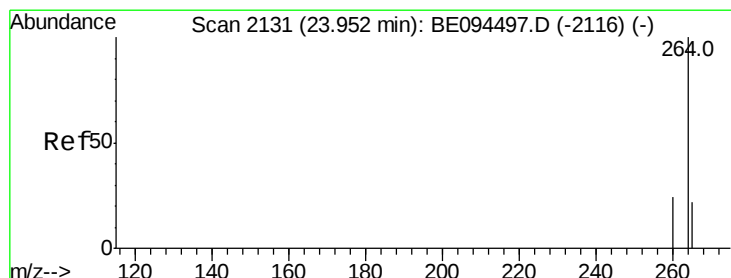
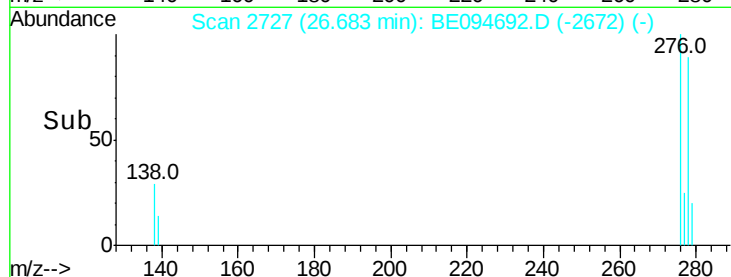
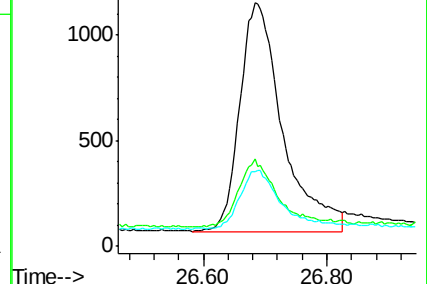
277 24.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.97 min Scan# 2136

Delta R.T. 0.02 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

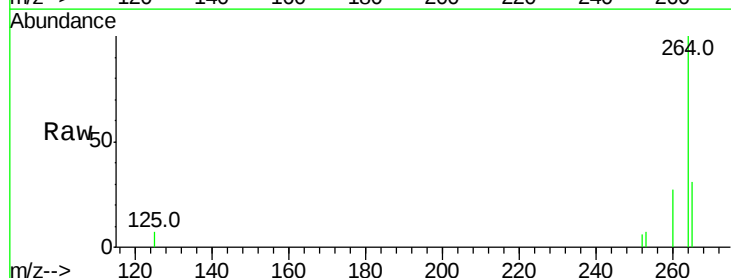
Tgt Ion:264 Resp: 7385

Ion Ratio Lower Upper

264 100

260 26.7 20.5 30.7

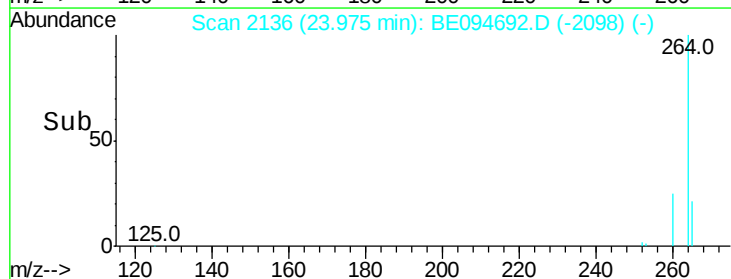
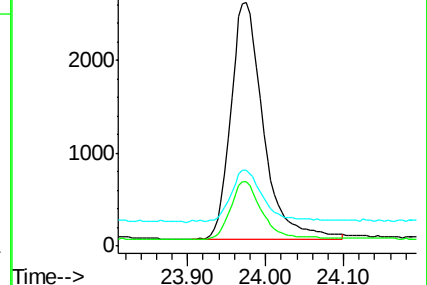
265 31.0 22.8 34.2

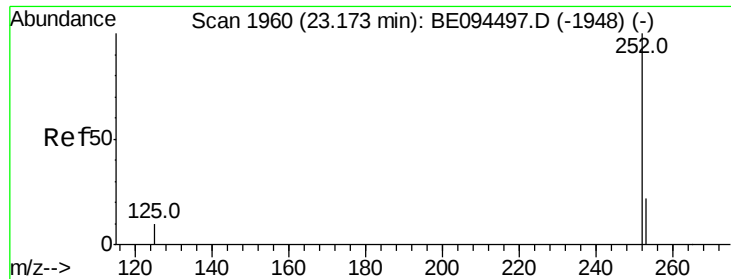


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.244 ng

RT: 23.19 min Scan# 1964

Delta R.T. 0.02 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

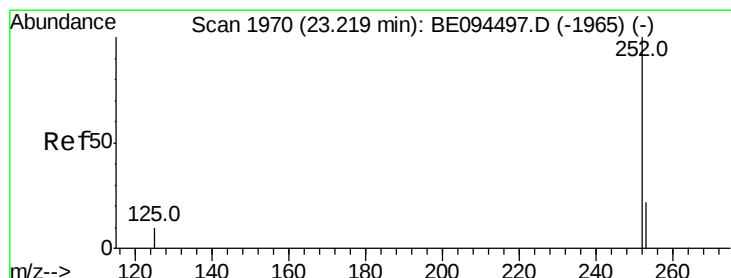
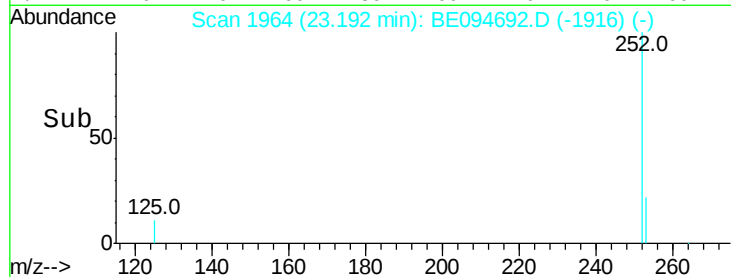
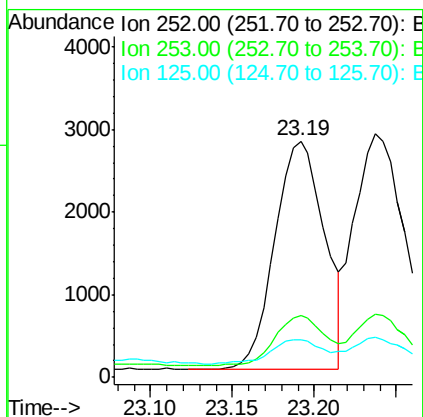
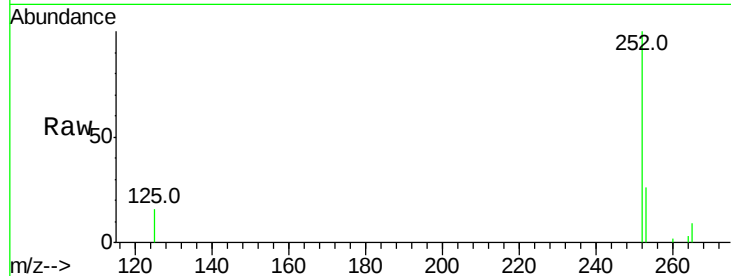
Tot Ion:252 Resp: 5839

Ion Ratio Lower Upper

252 100

253 26.1 48.0 72.0#

125 16.2 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.258 ng

RT: 23.24 min Scan# 1974

Delta R.T. 0.02 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

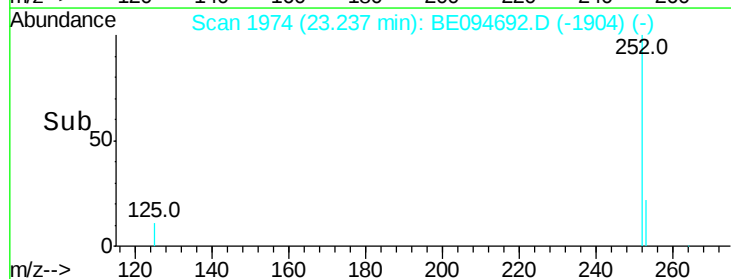
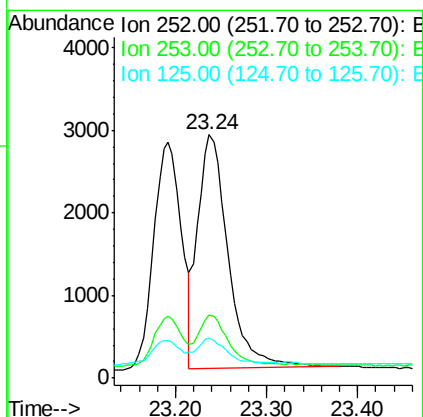
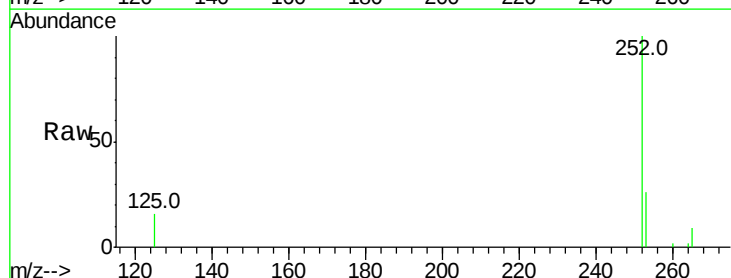
Tgt Ion:252 Resp: 6576

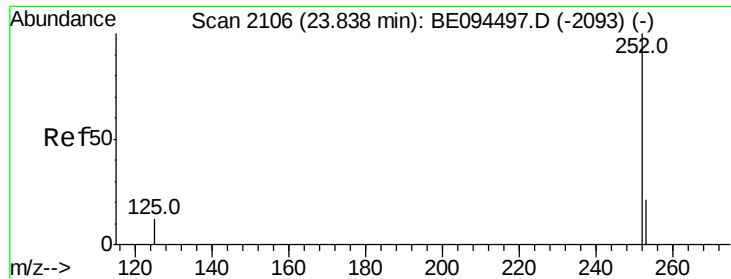
Ion Ratio Lower Upper

252 100

253 25.9 48.0 72.0#

125 16.2 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.257 ng

RT: 23.86 min Scan# 2111

Delta R.T. 0.02 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS

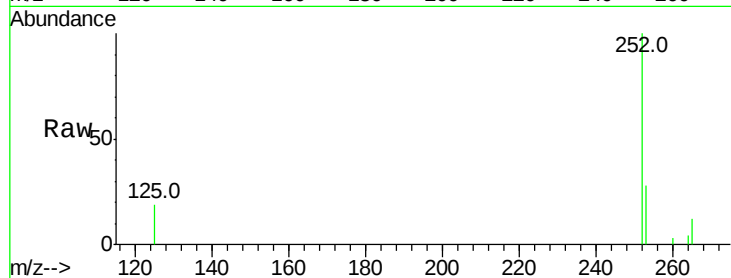
Tot Ion:252 Resp: 5958

Ion Ratio Lower Upper

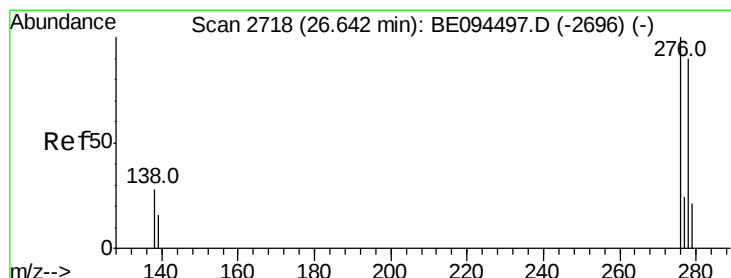
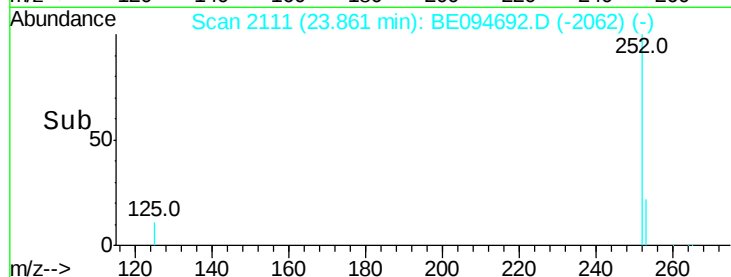
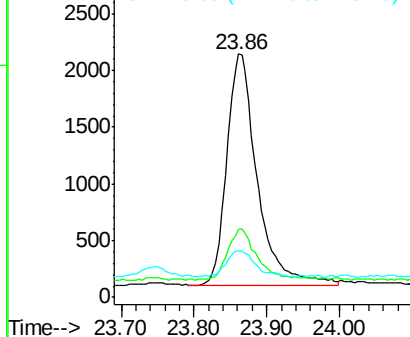
252 100

253 28.3 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: 0.224 ng

RT: 26.68 min Scan# 2726

Delta R.T. 0.04 min

Lab File: BE094692.D

Acq: 1 Nov 2017 15:44

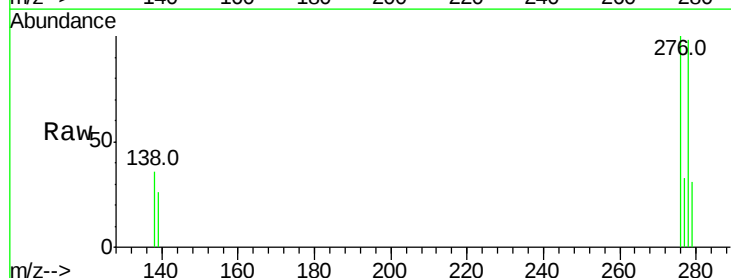
Tgt Ion:278 Resp: 4665

Ion Ratio Lower Upper

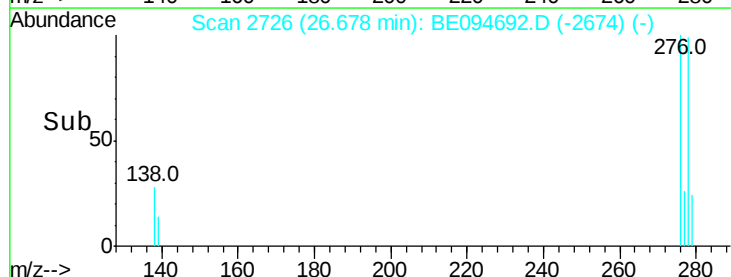
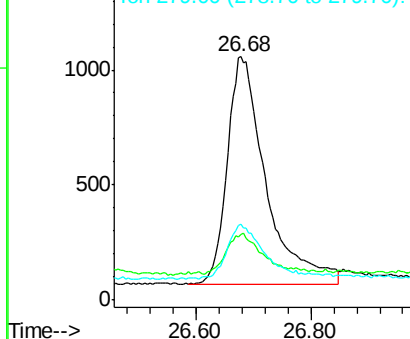
278 100

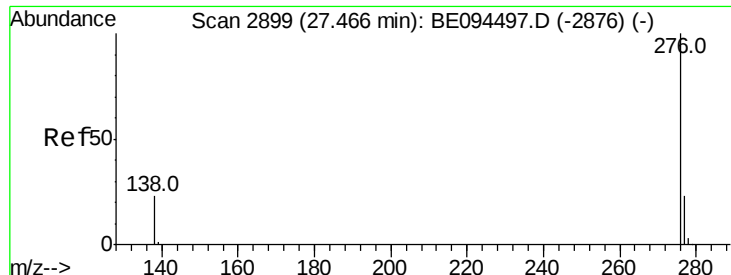
139 26.7 56.0 84.0#

279 31.3 52.0 78.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.190 ng

RT: 27.52 min Scan# 2911

Delta R.T. 0.06 min

Lab File: BE094692.D

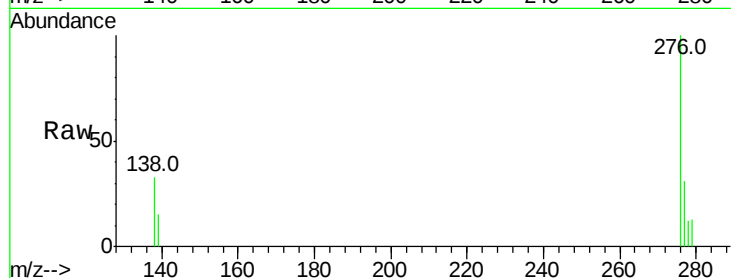
Acq: 1 Nov 2017 15:44

Instrument :

BNA_E

ClientSampleId :

PB103273BS



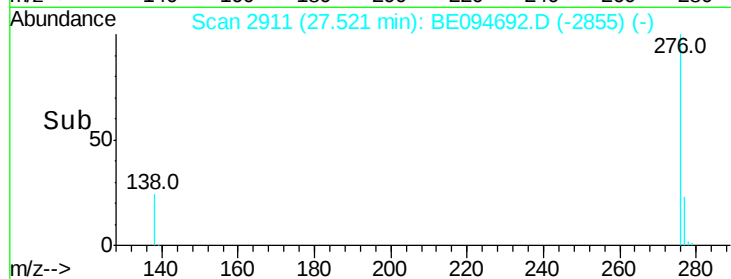
Tot Ion:276 Resp: 3697

Ion Ratio Lower Upper

276 100

277 31.0 52.0 78.0#

138 33.3 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

