

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102317\
 Data File : BE094506.D
 Acq On : 23 Oct 2017 21:35
 Operator : SJ/JU
 Sample : I5950-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 20170723-C-A-COMP2

Quant Time: Oct 23 22:30:02 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	7.90	152	1304	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7214	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4337	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12881	0.40	ng	0.00
27) Chrysene-d12	21.42	240	9790	0.40	ng	-0.01
34) Perylene-d12	23.93	264	9168	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	902	0.20	ng	0.00
5) Phenol-d6	7.11	99	825	0.12	ng	-0.03
8) Nitrobenzene-d5	9.06	82	2859	0.50	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	4999	0.43	ng	-0.02
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.13	172	6765	0.44	ng	-0.01
25) Fluoranthene-d10	19.27	212	51566	0.31	ng	-0.01
29) Terphenyl-d14	19.85	244	9379	0.51	ng	-0.02

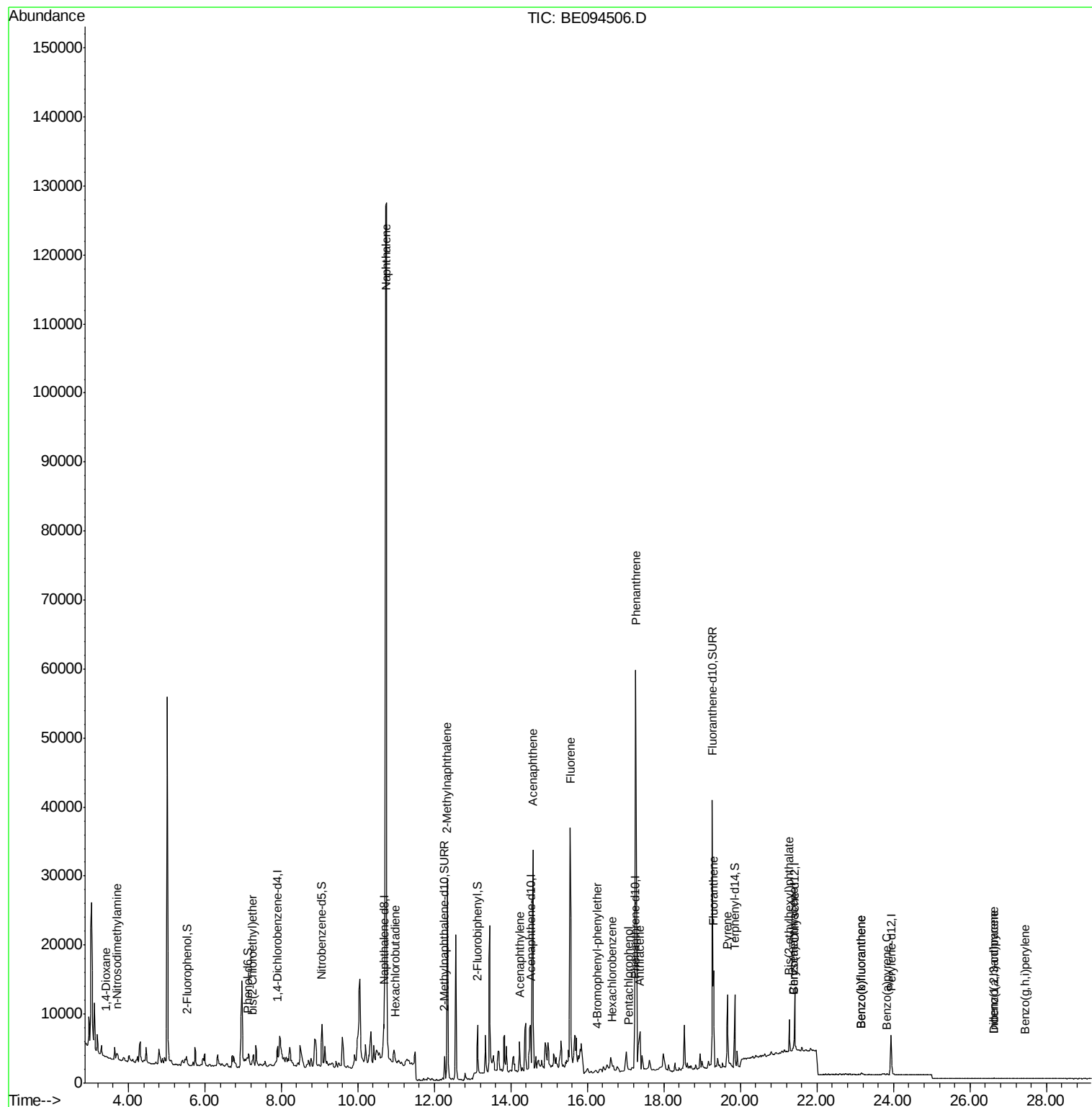
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	60	0.03	ng	# 1
3) n-Nitrosodimethylamine	3.70	42	288	0.14	ng	# 1
6) bis(2-Chloroethyl)ether	7.25	93	1678	0.32	ng	# 1
9) Naphthalene	10.74	128	268092	3.28	ng	99
10) Hexachlorobutadiene	10.99	225	8	0.00	ng	# 30
12) 2-Methylnaphthalene	12.34	142	21744	1.57	ng	97
16) Acenaphthylene	14.23	152	3064	0.13	ng	# 76
17) Acenaphthene	14.57	154	17769	1.21	ng	98
18) Fluorene	15.55	166	19842	1.05	ng	# 90
20) 4-Bromophenyl-phenylether	16.26	248	10	0.00	ng	# 1
21) Hexachlorobenzene	16.65	284	14	0.00	ng	# 38
22) Pentachlorophenol	17.07	266	8	0.01	ng	94
23) Phenanthrene	17.27	178	88314	2.95	ng	# 91
24) Anthracene	17.37	178	9738	0.26	ng	# 81
26) Fluoranthene	19.30	202	12301	0.22	ng	97
28) Pyrene	19.66	202	9678	0.28	ng	# 96
30) Benzo(a)anthracene	21.39	228	798	0.03	ng	95
31) Chrysene	21.39	228	770	0.02	ng	95
32) Bis(2-ethylhexyl)phthalate	21.28	149	5026	0.06	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.62	276	178	0.01	ng	# 72
35) Benzo(b)fluoranthene	23.16	252	449	0.02	ng	# 65
36) Benzo(k)fluoranthene	23.16	252	449	0.01	ng	# 65
37) Benzo(a)pyrene	23.83	252	224	0.01	ng	# 66
38) Dibenzo(a,h)anthracene	26.62	278	44	0.00	ng	# 15
39) Benzo(g,h,i)perylene	27.45	276	155	0.01	ng	# 55

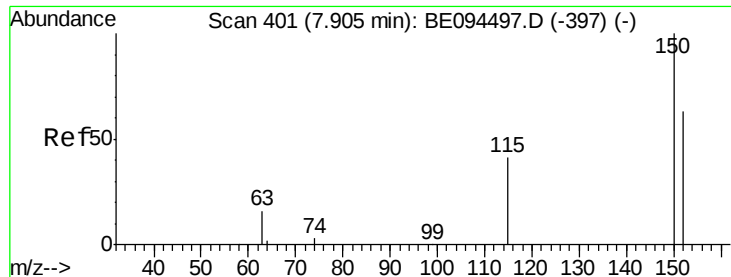
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

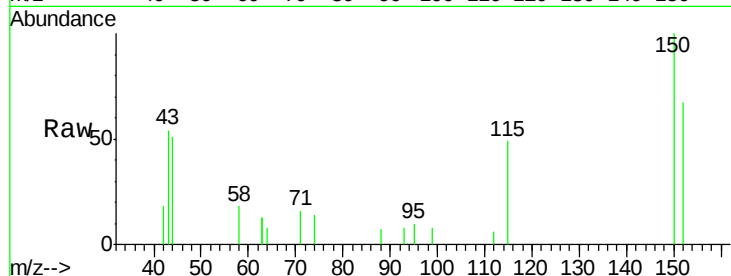
Tot Ion:152 Resp: 1304

Ion Ratio Lower Upper

152 100

150 149.1 117.2 175.8

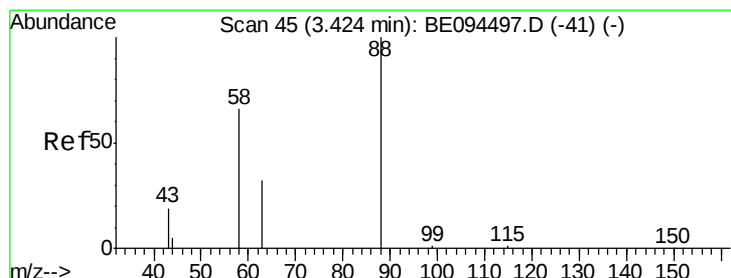
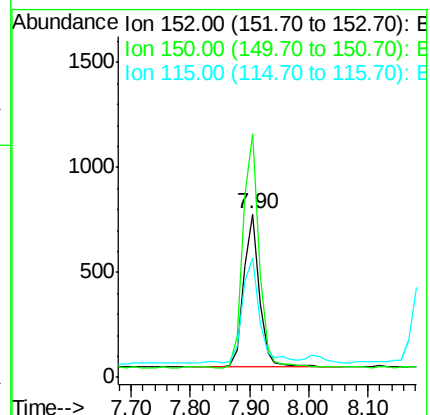
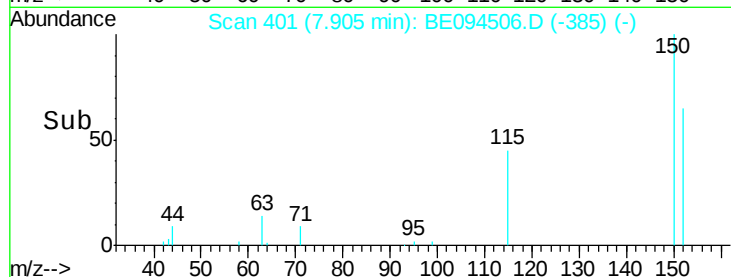
115 73.5 57.0 85.6



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: 0.03 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

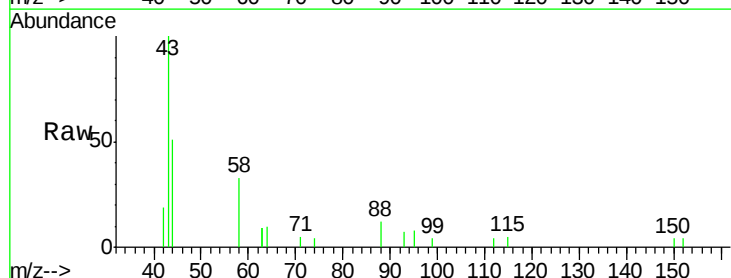
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

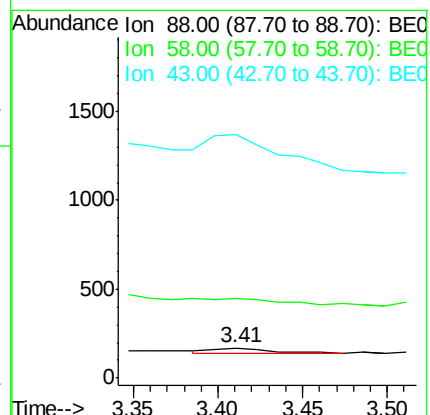
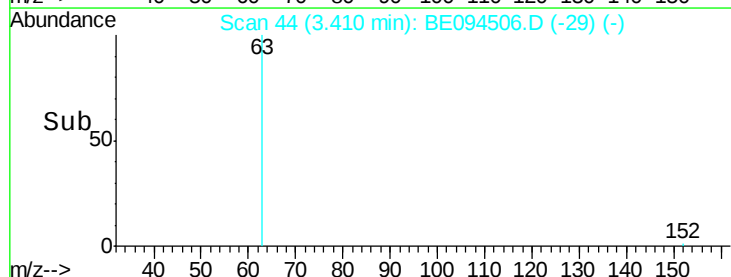
43 1258.3 41.2 61.8#

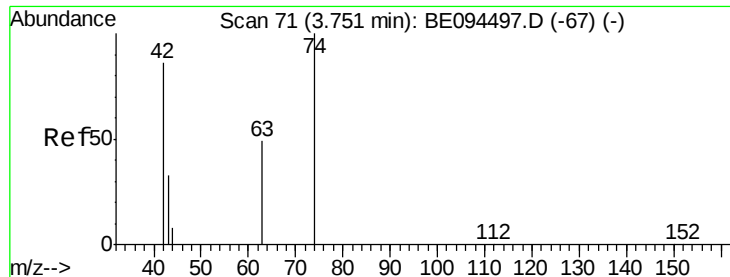


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.70 min Scan# 67

Delta R.T. -0.05 min

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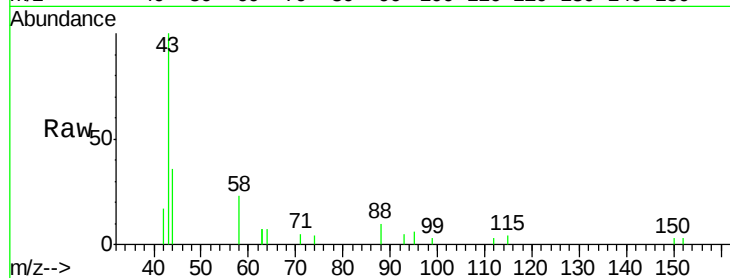
Tot Ion: 42 Resp: 288

Ion Ratio Lower Upper

42 100

74 10.4 100.3 150.5#

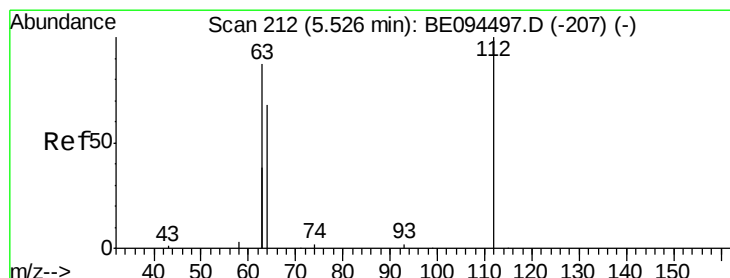
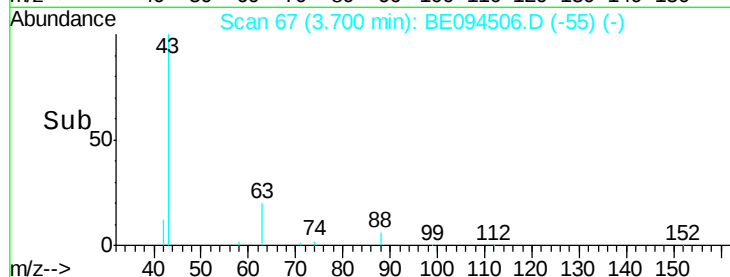
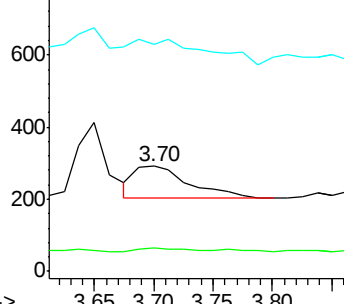
44 99.0 17.0 25.4#



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: 0.20 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

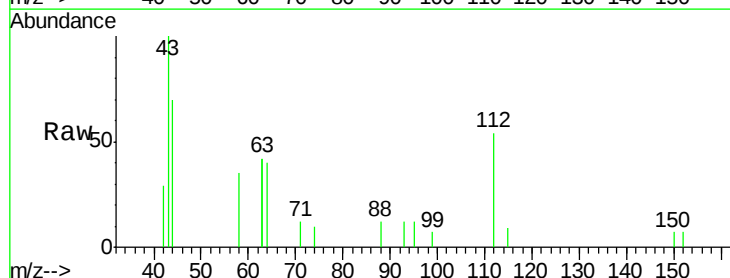
Tgt Ion: 112 Resp: 902

Ion Ratio Lower Upper

112 100

64 68.4 60.1 90.1

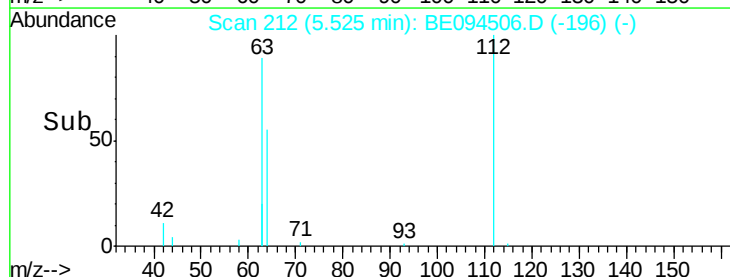
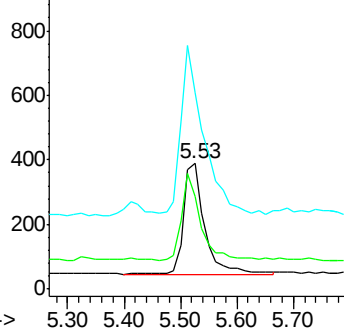
63 163.5 116.8 175.2

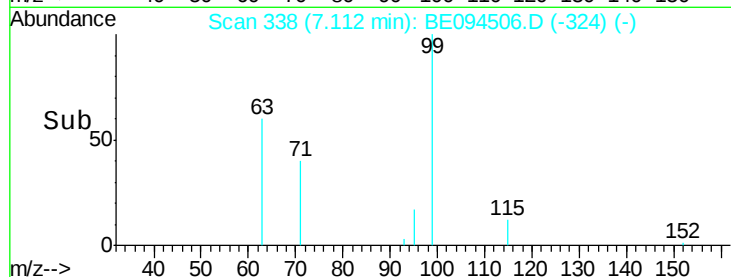
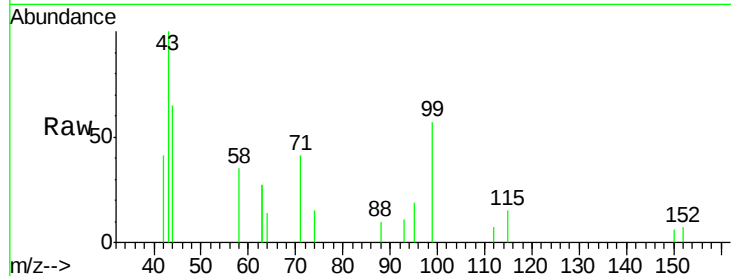
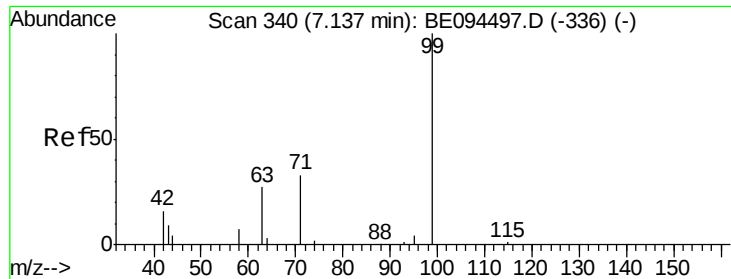


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.12 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.03 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

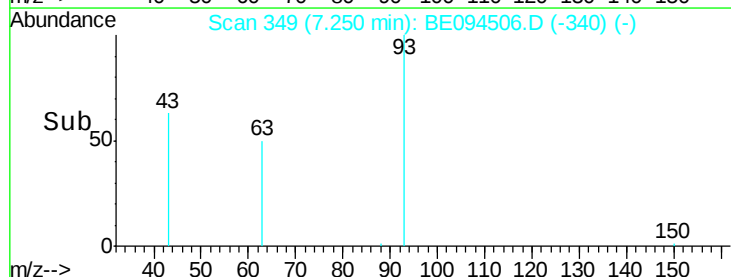
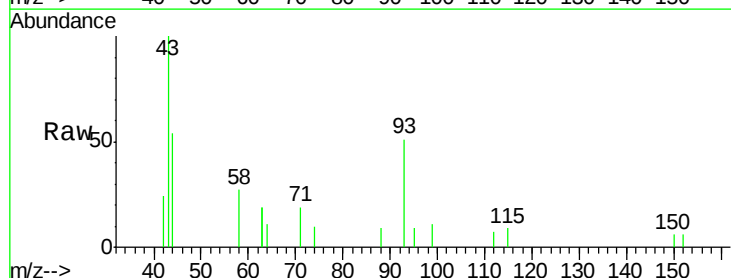
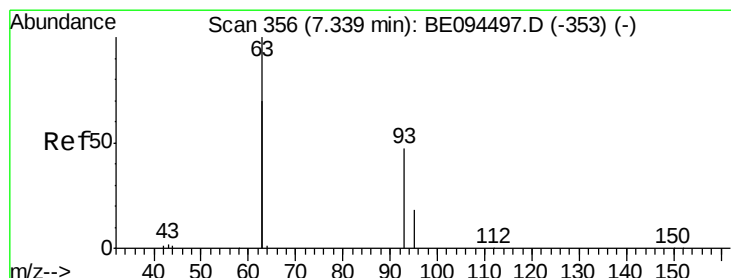
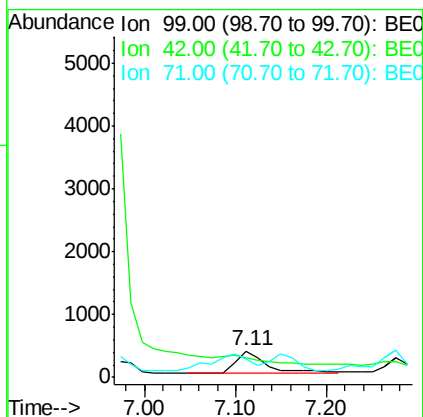
Tot Ion: 99 Resp: 825

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 100.2 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.32 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.09 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

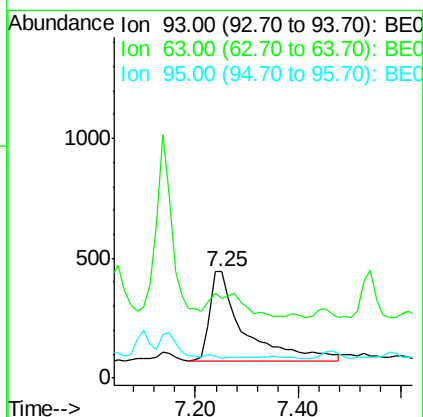
Tgt Ion: 93 Resp: 1678

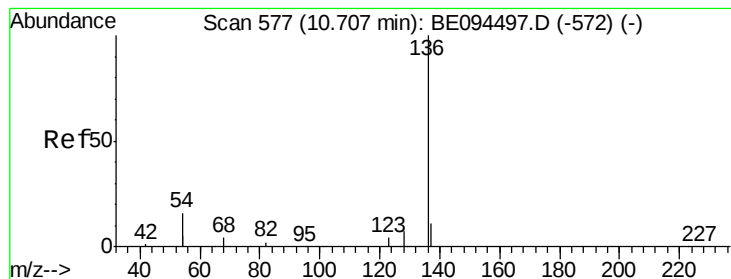
Ion Ratio Lower Upper

93 100

63 25.7 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

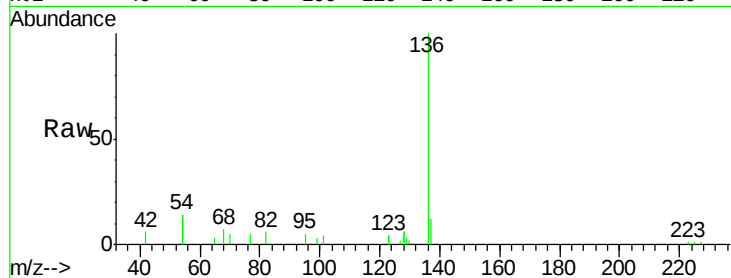
Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

Tot Ion:136	Resp:	7214
Ion	Ratio	Lower Upper
136	100	
137	12.4	9.5 14.3
54	27.7	29.1 43.7
68	6.8	6.2 9.2

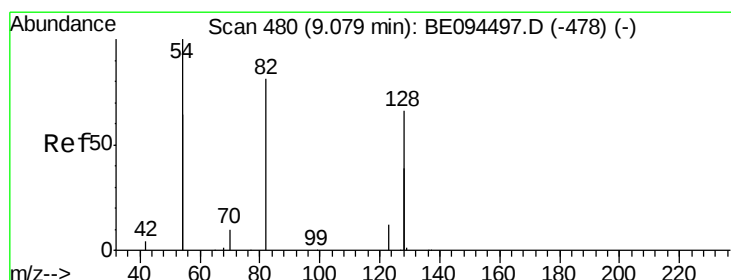
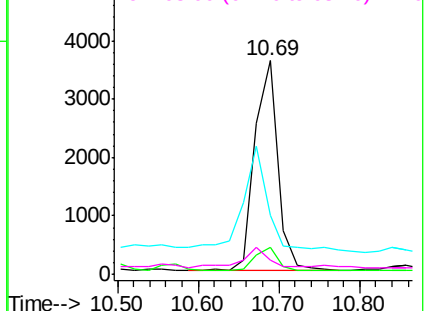
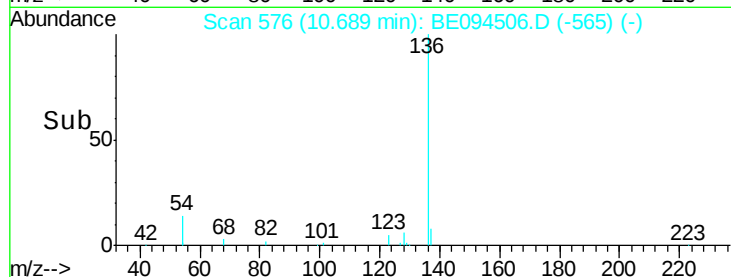


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.50 ng

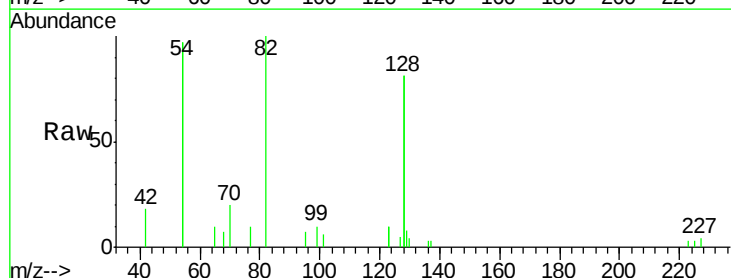
RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

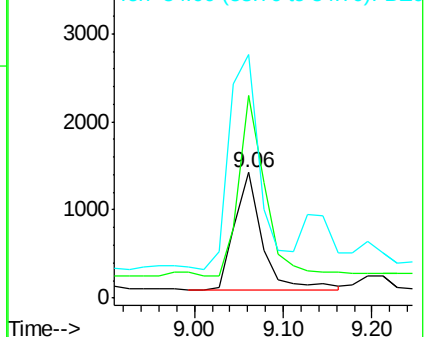
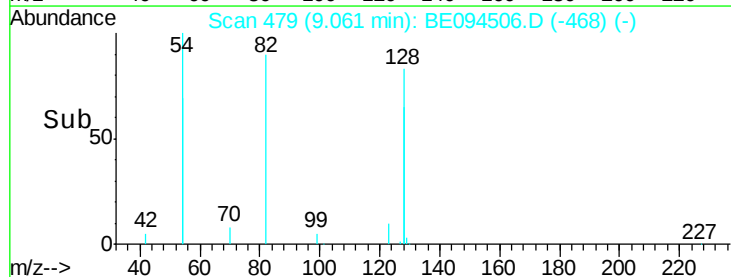
Tgt Ion: 82	Resp:	2859
Ion	Ratio	Lower Upper
82	100	
128	161.2	150.0 225.0
54	194.0	154.2 231.4

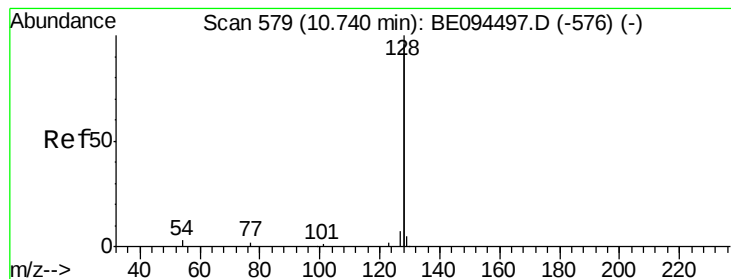


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.28 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094506.D

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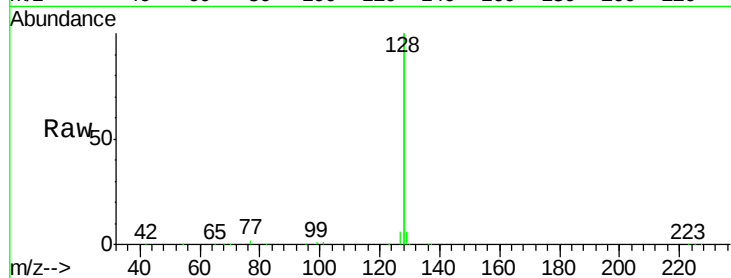
Tot Ion:128 Resp: 268092

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

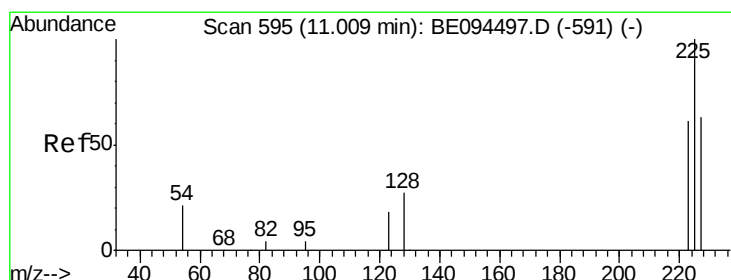
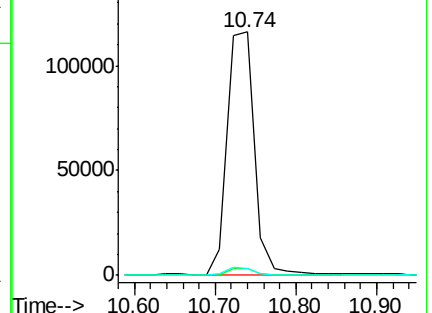
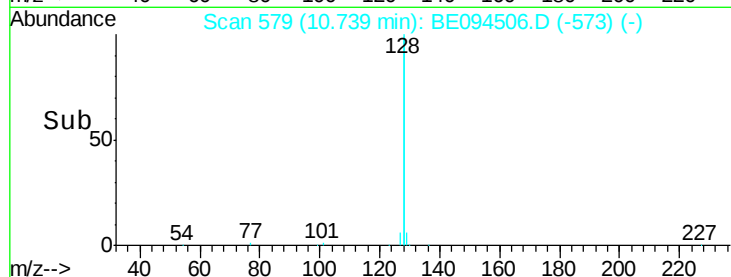
127 3.1 2.8 4.2



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

Hexachlorobutadiene

Concen: 0.00 ng

RT: 10.99 min Scan# 594

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

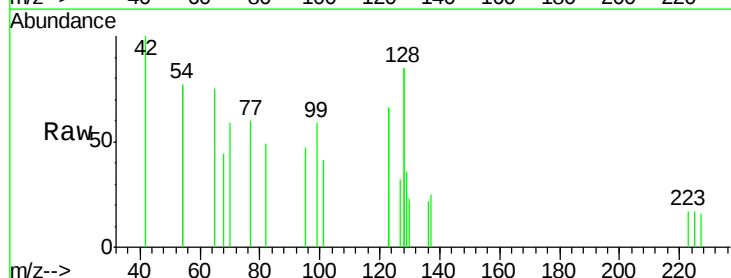
Tgt Ion:225 Resp: 8

Ion Ratio Lower Upper

225 100

223 112.5 53.0 79.6#

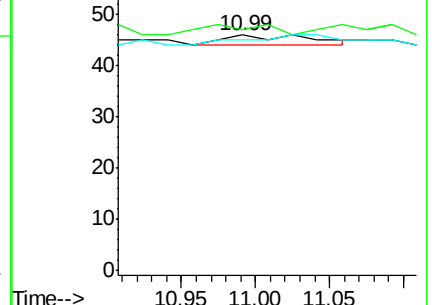
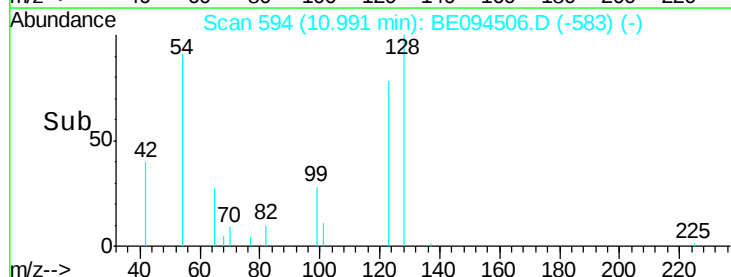
227 0.0 51.4 77.2#

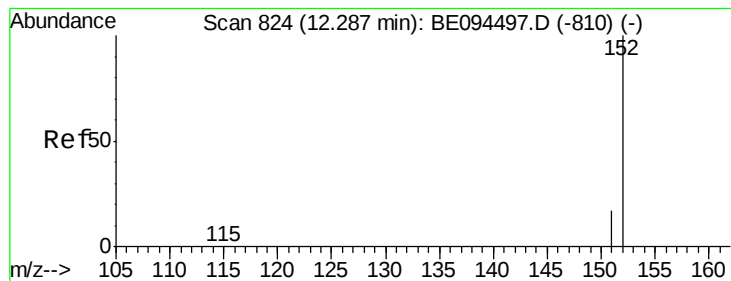


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.43 ng

RT: 12.27 min Scan# 819

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

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ClientSampleId :

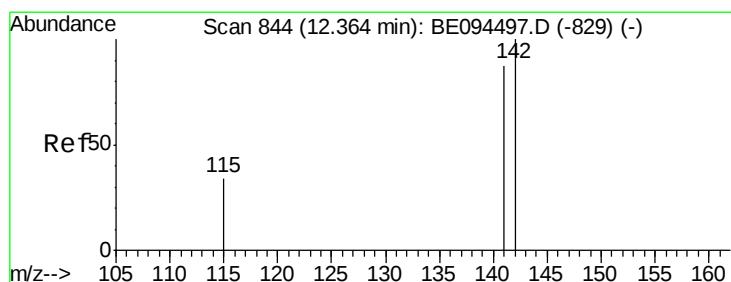
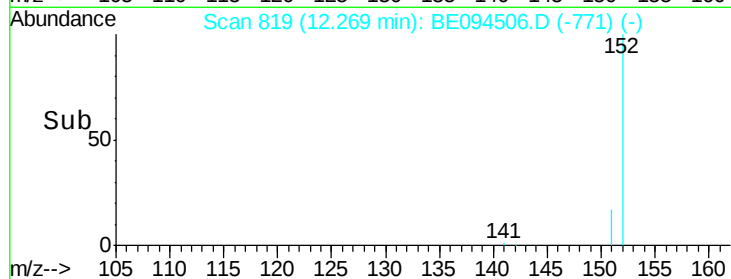
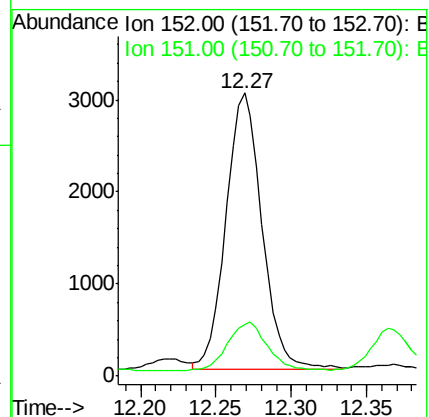
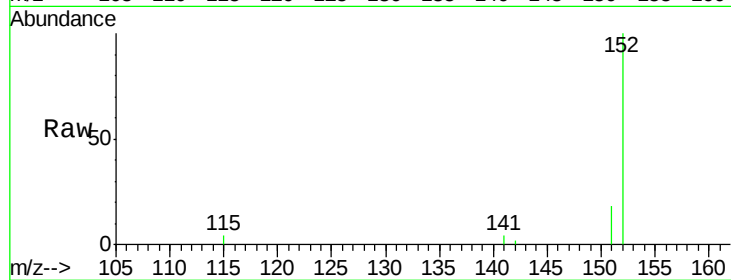
20170723-C-A-COMP2

Tot Ion:152 Resp: 4999

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



#12

2-Methylnaphthalene

Concen: 1.57 ng

RT: 12.34 min Scan# 838

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

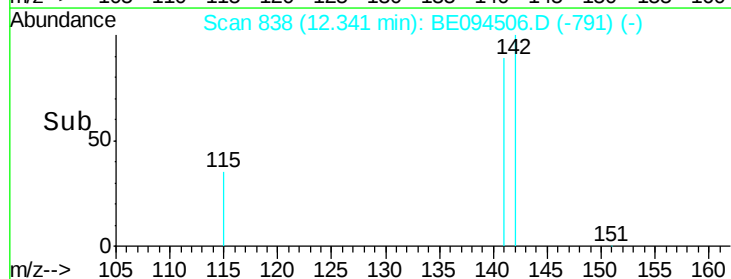
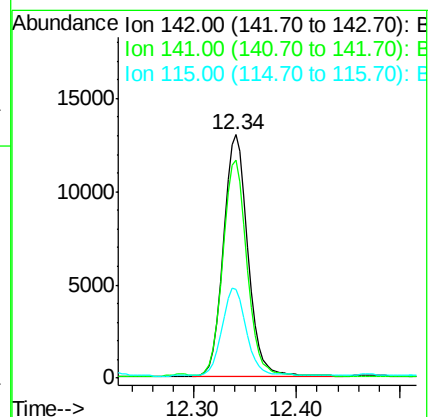
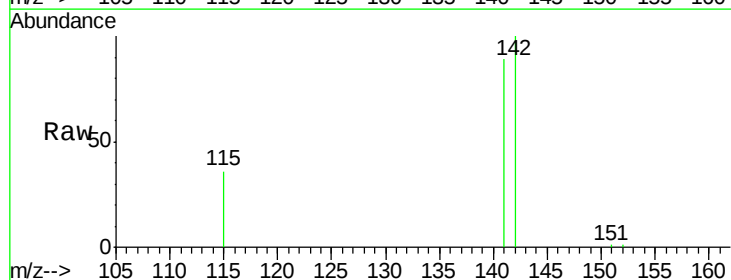
Tgt Ion:142 Resp: 21744

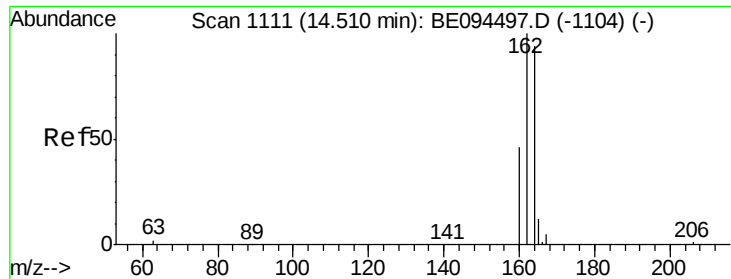
Ion Ratio Lower Upper

142 100

141 89.4 70.4 105.6

115 36.5 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

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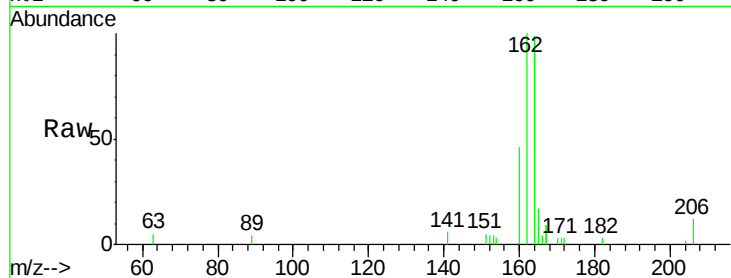
Tot Ion: 164 Resp: 4337

Ion Ratio Lower Upper

164 100

162 101.2 83.1 124.7

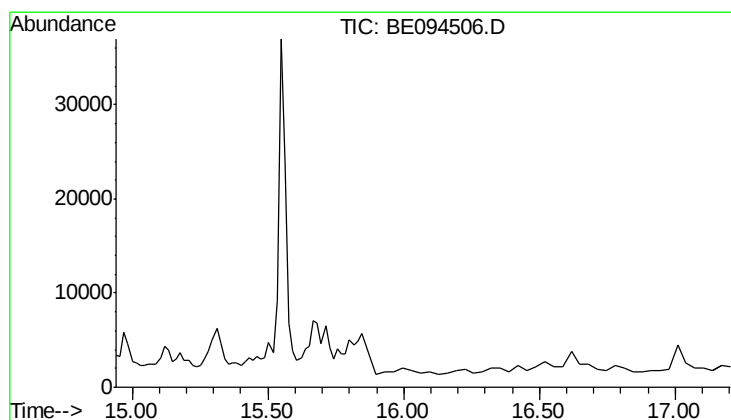
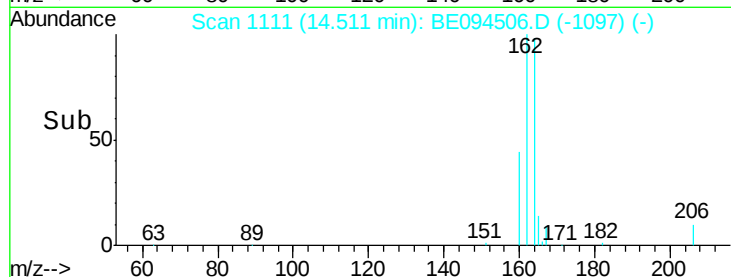
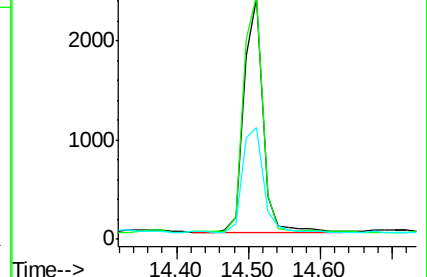
160 46.4 37.1 55.7



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: 0.00 ng

Expected RT: 16.03 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

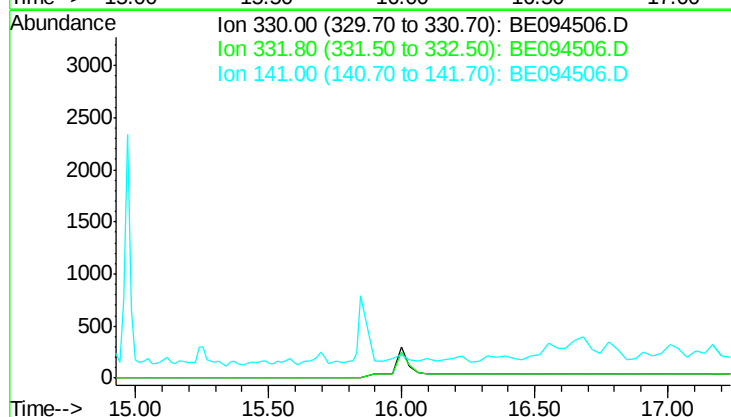
Tgt Ion: 330

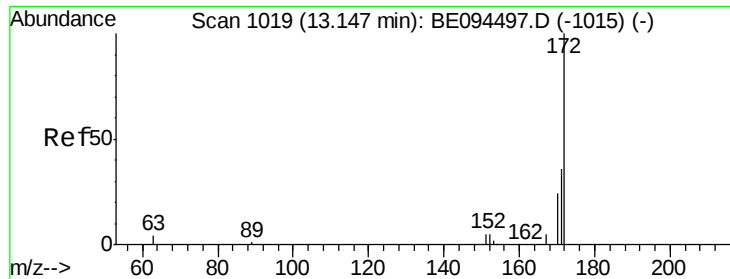
Sig Exp Ratio

330 100

332 190.9

141 42.1

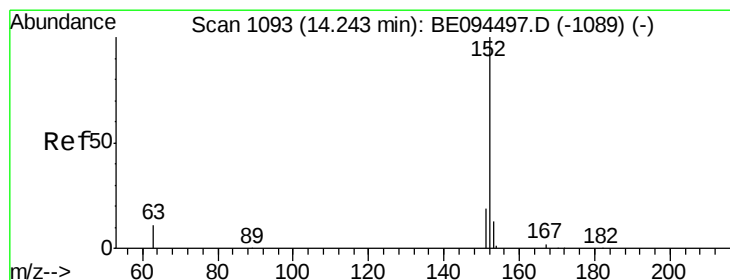
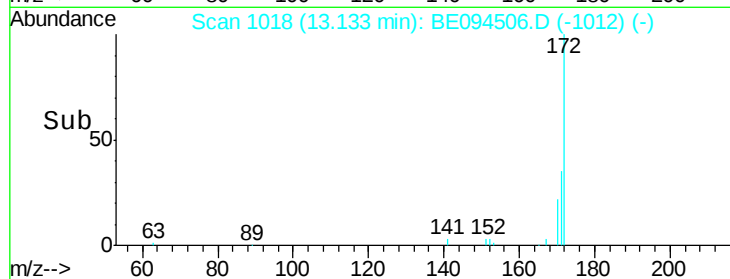
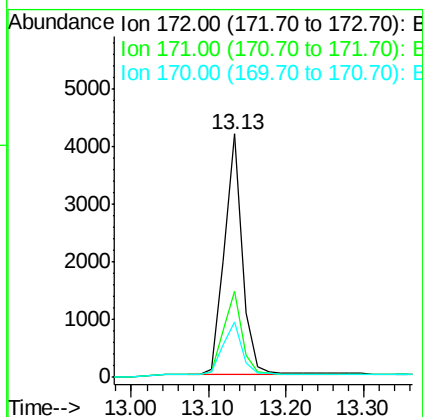
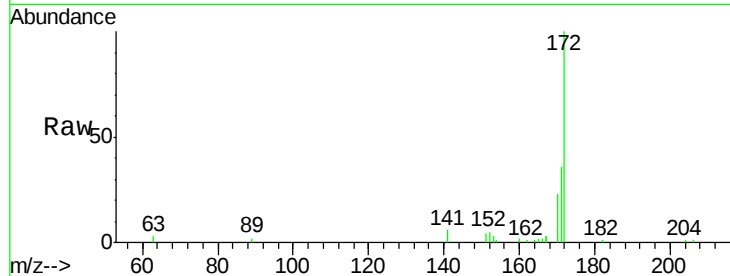




#15
2-Fluorobiphenyl
Concen: 0.44 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE094506.D
Acq: 23 Oct 2017 21:35

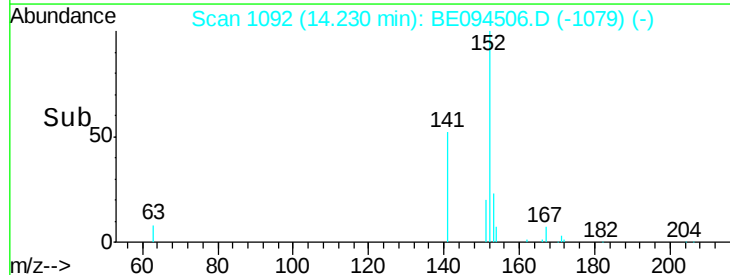
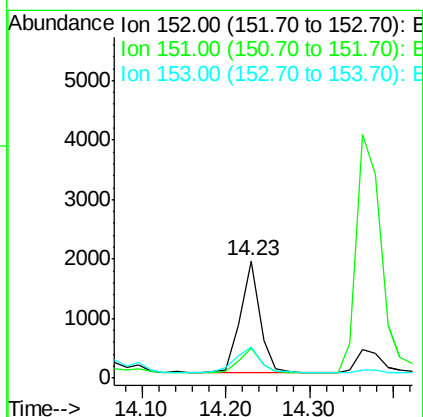
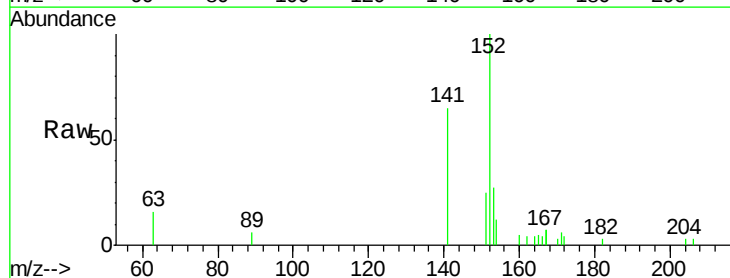
Instrument :
BNA_E
ClientSampleId :
20170723-C-A-COMP2

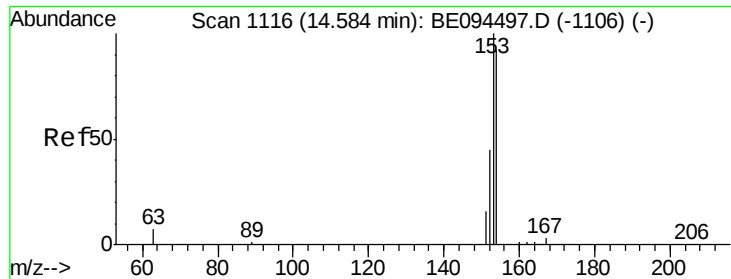
Tot Ion:172 Resp: 6765
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 22.9 21.8 32.8



#16
Acenaphthylene
Concen: 0.13 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE094506.D
Acq: 23 Oct 2017 21:35

Tgt Ion:152 Resp: 3064
Ion Ratio Lower Upper
152 100
151 23.7 15.7 23.5#
153 31.3 10.5 15.7#

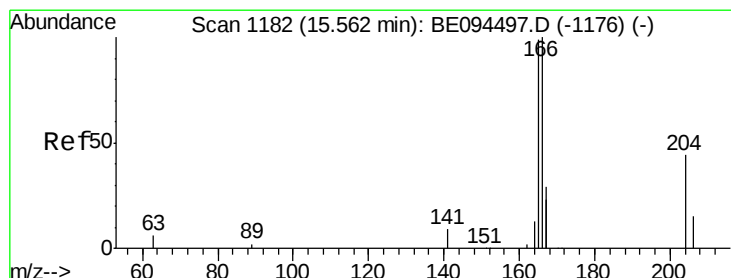
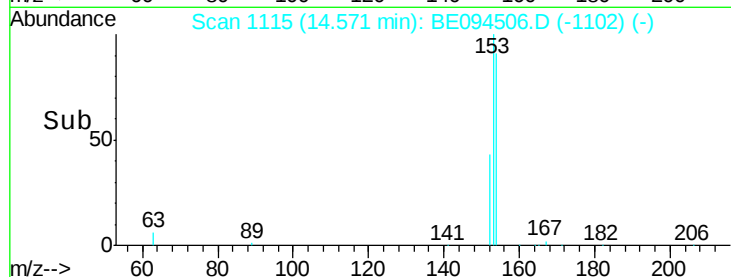
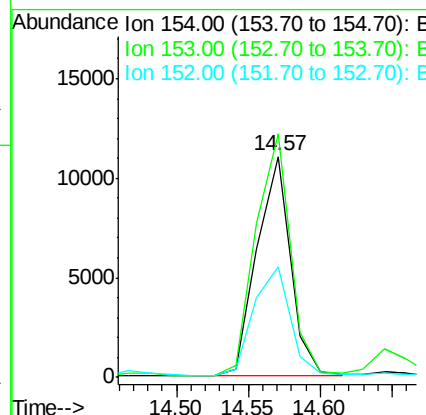
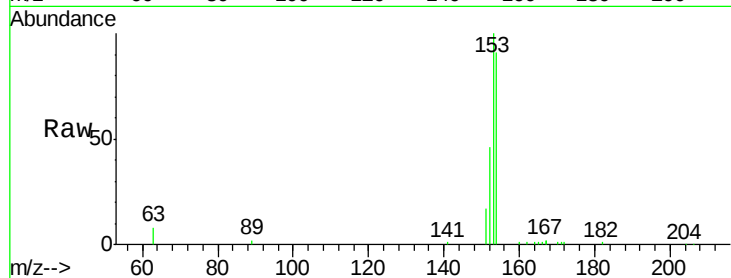




#17
Acenaphthene
Concen: 1.21 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE094506.D
Acq: 23 Oct 2017 21:35

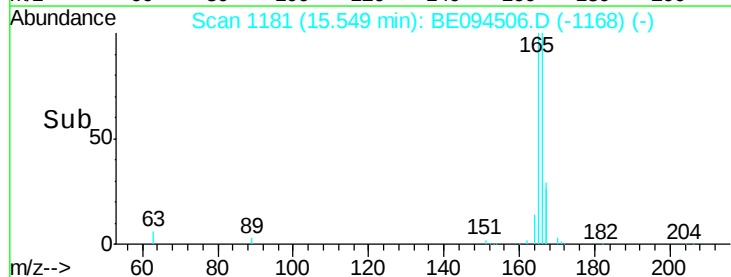
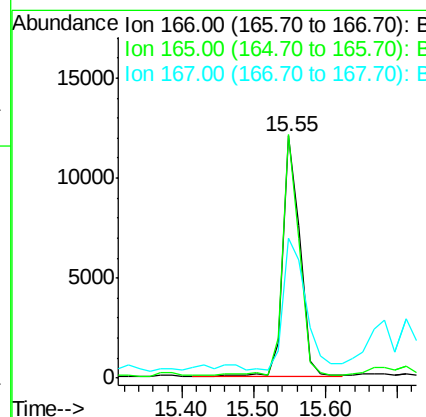
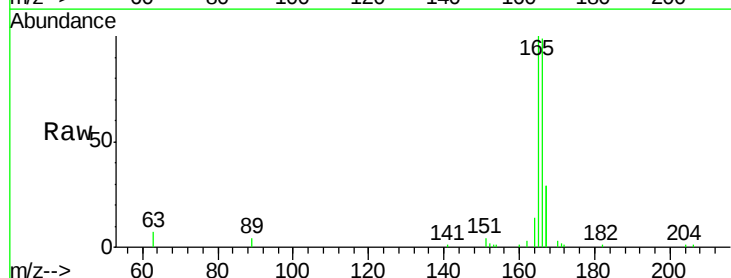
Instrument :
BNA_E
ClientSampleId :
20170723-C-A-COMP2

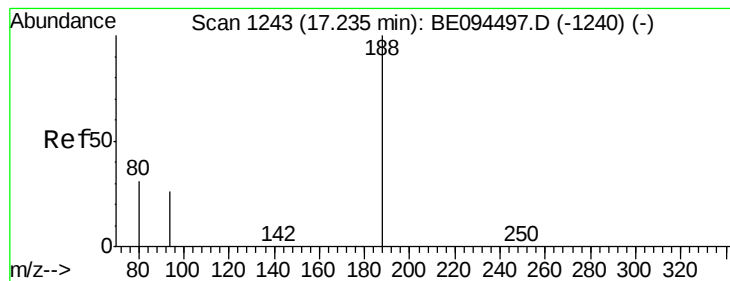
Tot Ion:154 Resp: 17769
Ion Ratio Lower Upper
154 100
153 113.9 89.2 133.8
152 54.5 42.0 63.0



#18
Fluorene
Concen: 1.05 ng
RT: 15.55 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE094506.D
Acq: 23 Oct 2017 21:35

Tgt Ion:166 Resp: 19842
Ion Ratio Lower Upper
166 100
165 98.2 77.8 116.6
167 71.7 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

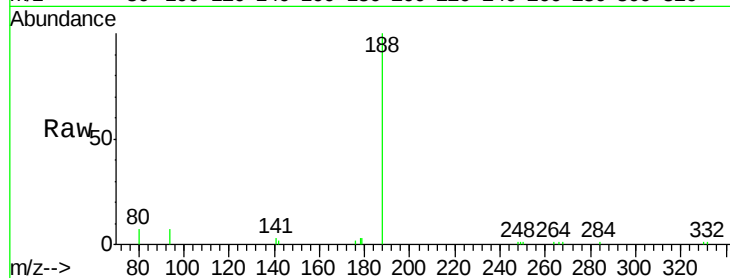
Tot Ion:188 Resp: 12881

Ion Ratio Lower Upper

188 100

94 7.5 3.9 5.9#

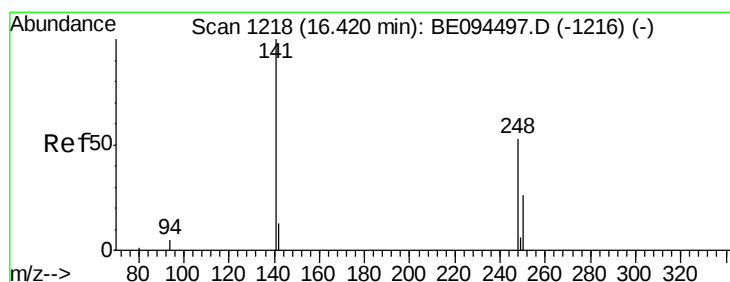
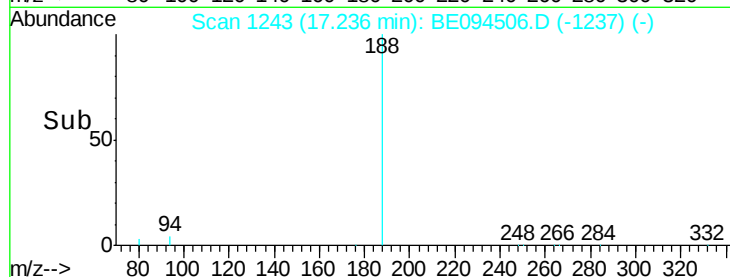
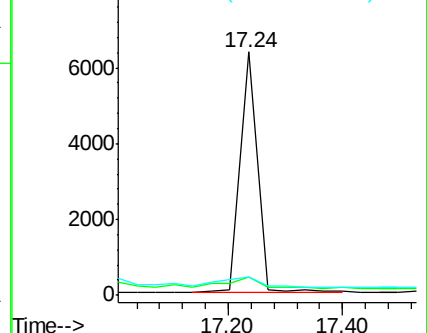
80 7.5 3.6 5.4#



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: 16.26 min Scan# 1213

Delta R.T. -0.16 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

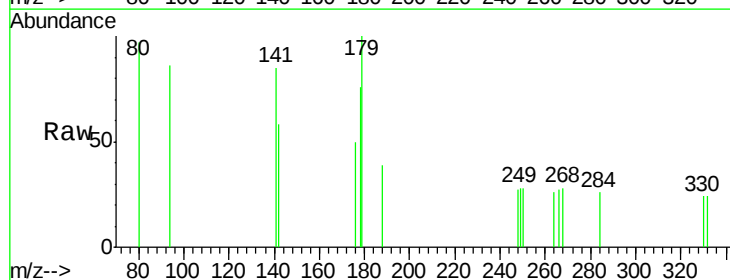
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 102.0 62.7 94.1#

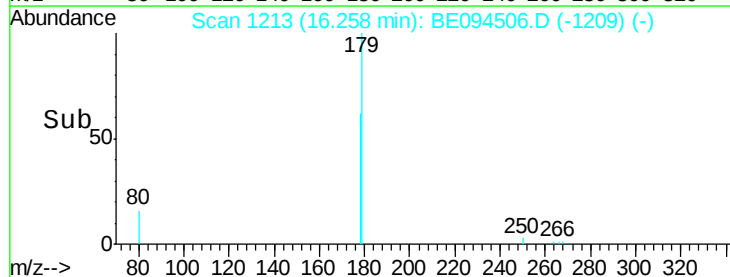
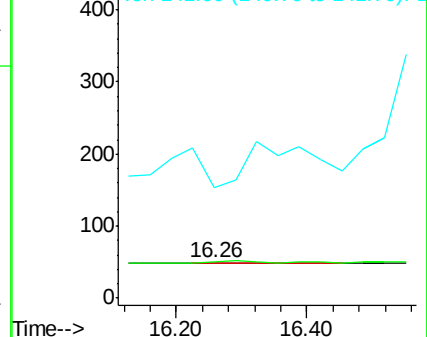
141 312.2 48.2 72.2#

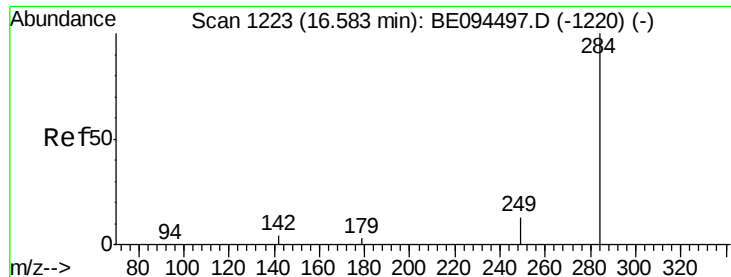


Abundance Ion 248.00 (247.70 to 248.70): E

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. 0.07 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

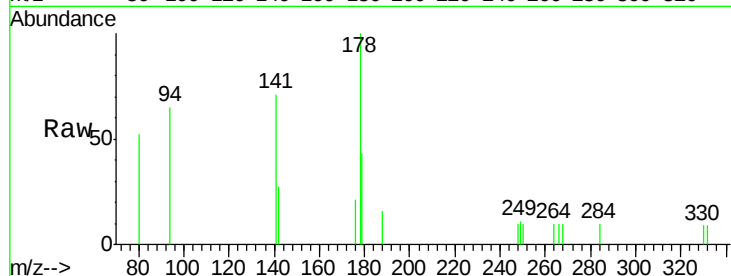
Tot Ion:284 Resp: 14

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

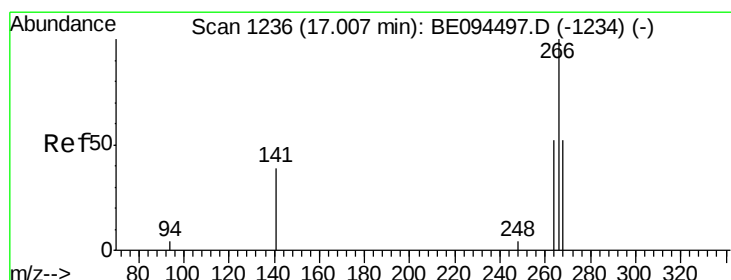
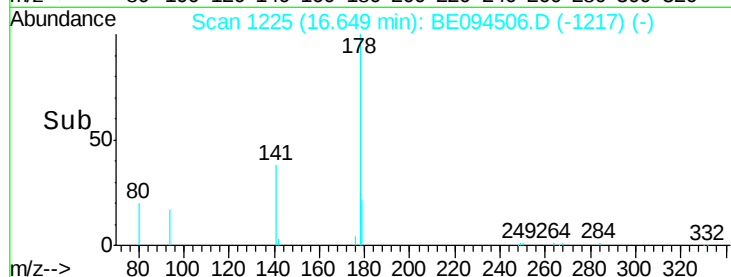
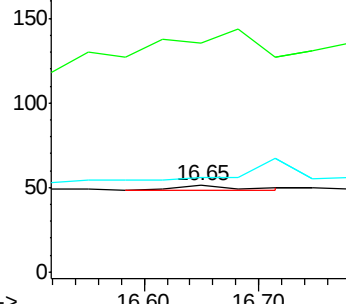
249 0.0 34.8 52.2#



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. 0.07 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

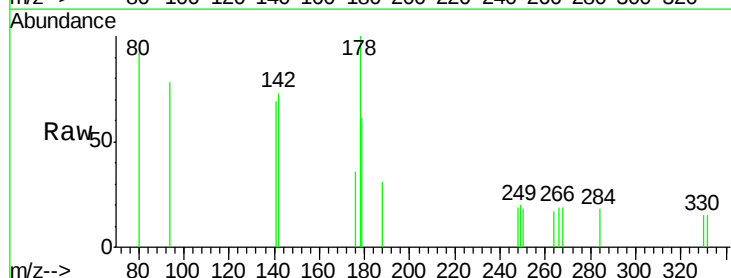
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 92.6 72.5 108.7

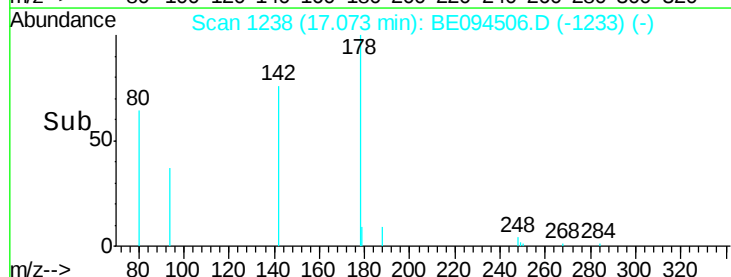
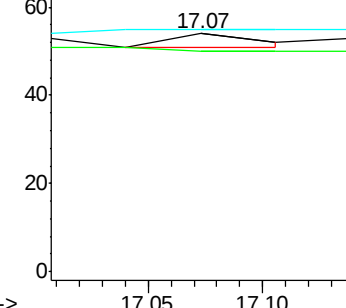
268 101.9 73.8 110.6

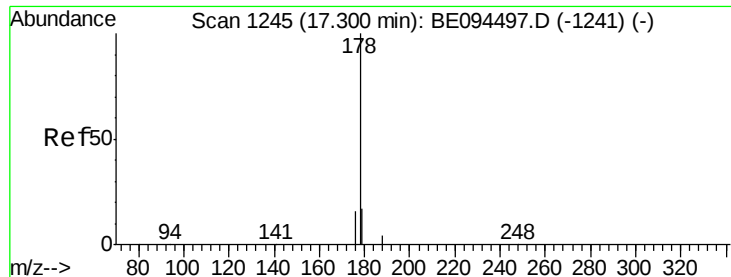


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.95 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

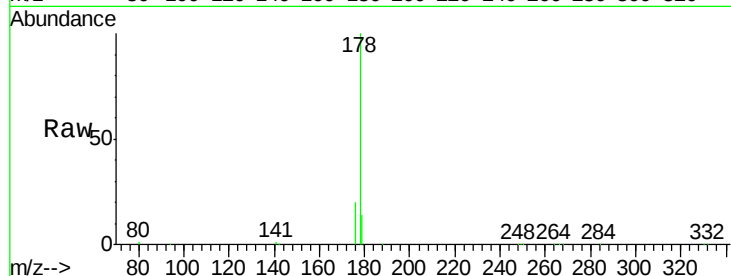
Tot Ion:178 Resp: 88314

Ion Ratio Lower Upper

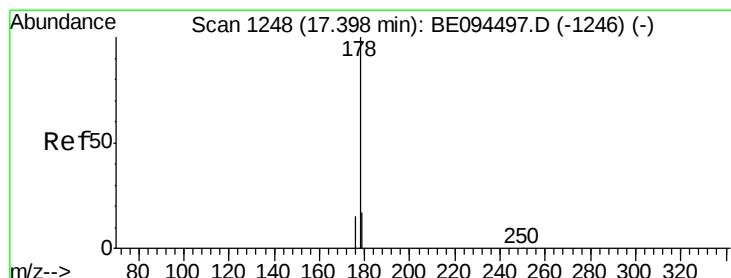
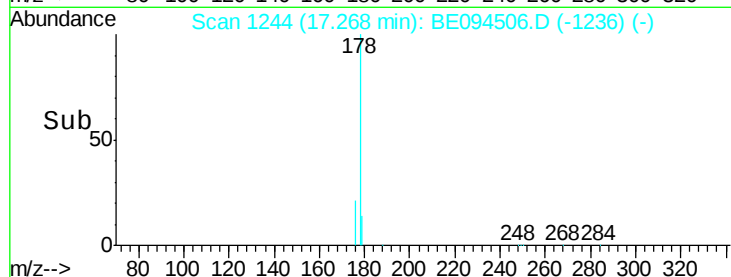
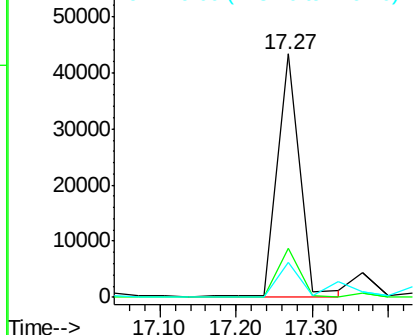
178 100

176 19.8 15.1 22.7

179 21.8 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: 0.26 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

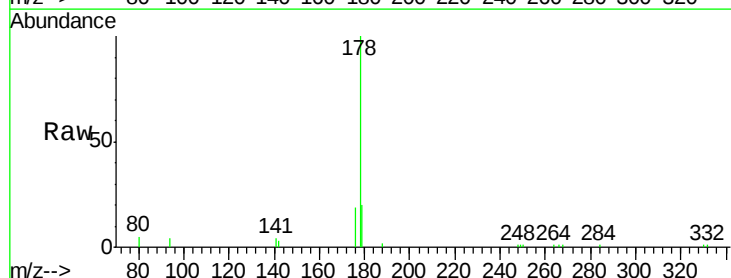
Tgt Ion:178 Resp: 9738

Ion Ratio Lower Upper

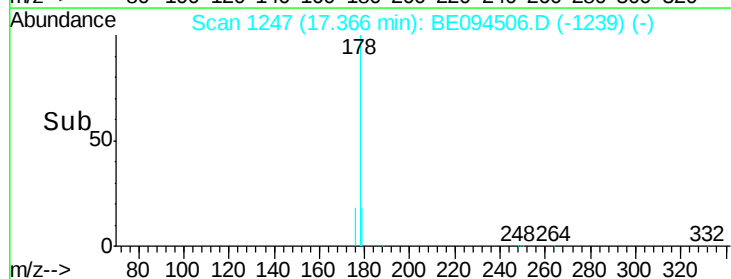
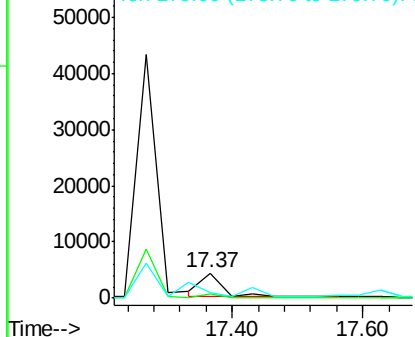
178 100

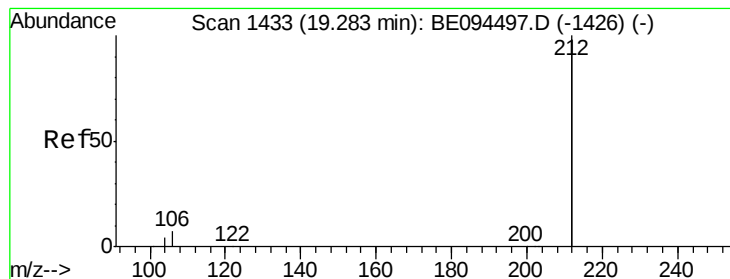
176 16.2 12.8 19.2

179 0.0 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: 0.31 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

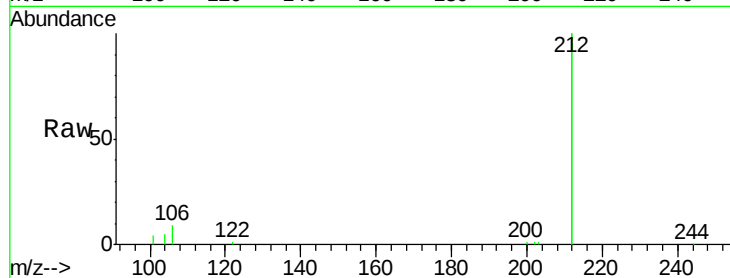
Tot Ion:212 Resp: 51566

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

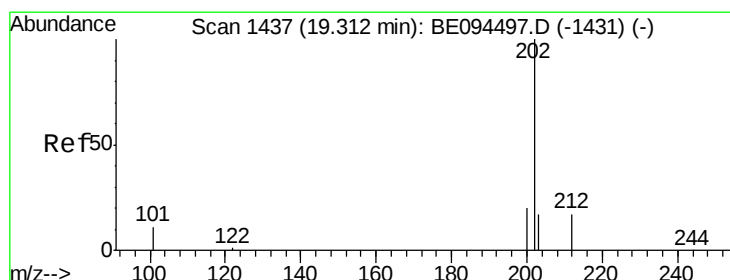
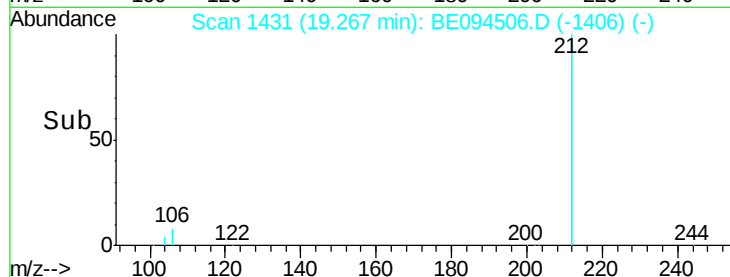
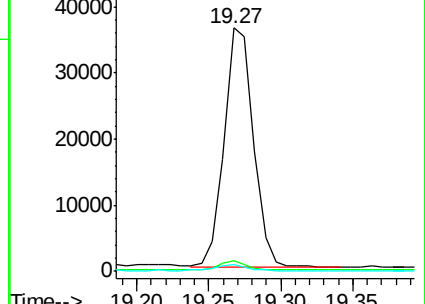
104 2.1 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.22 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

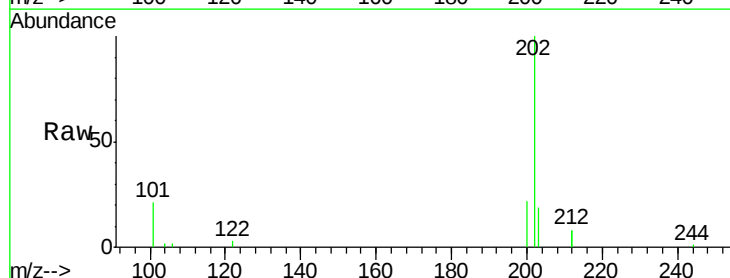
Tgt Ion:202 Resp: 12301

Ion Ratio Lower Upper

202 100

101 14.0 9.8 14.8

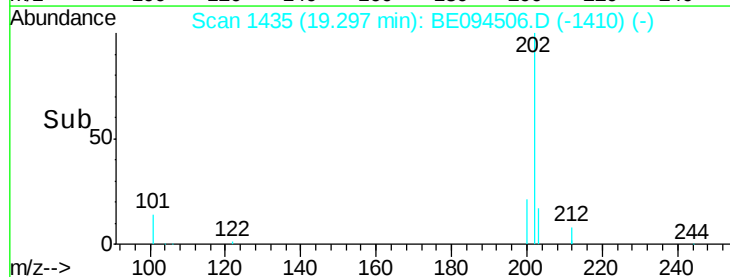
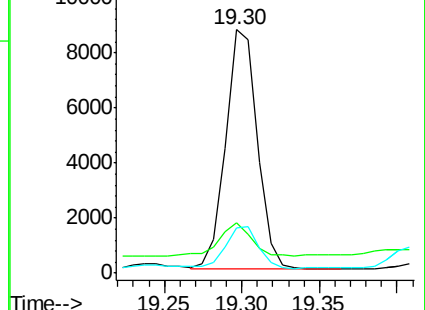
203 17.9 13.7 20.5

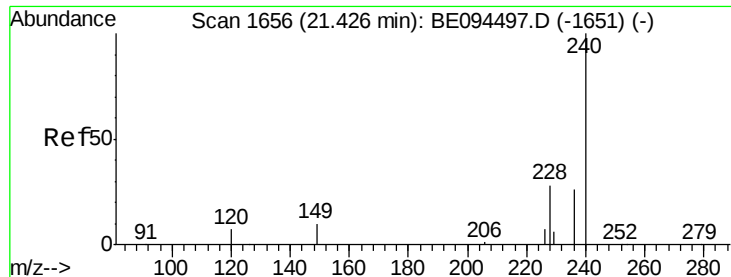


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

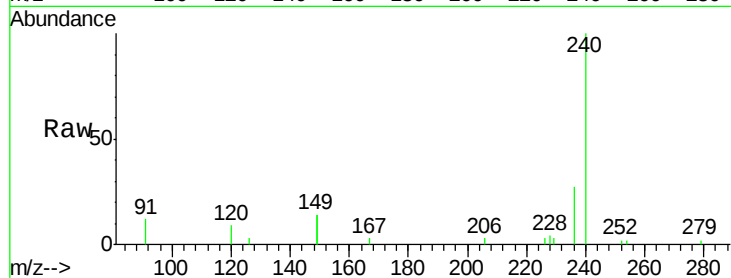
Tot Ion:240 Resp: 9790

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

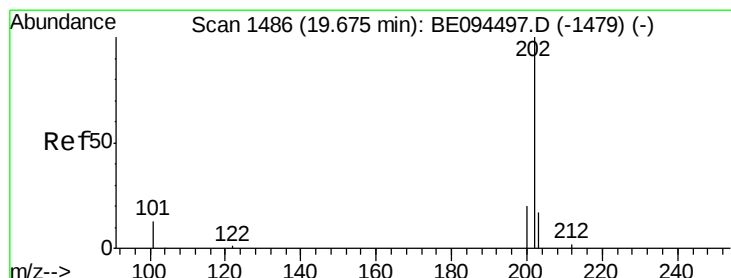
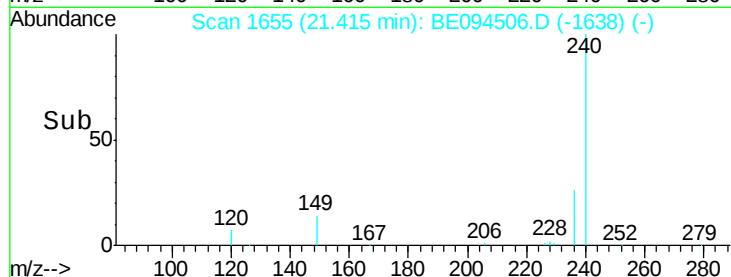
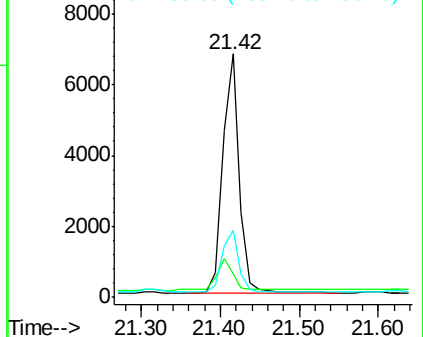
236 27.4 20.7 31.1



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: 0.28 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

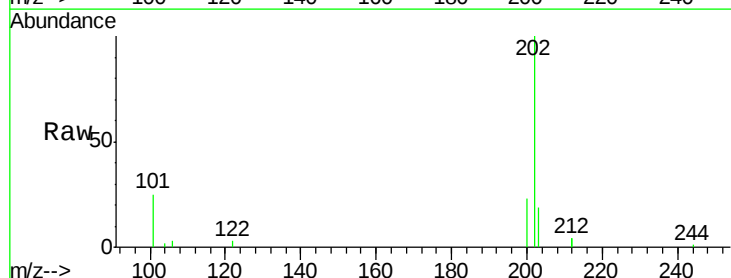
Tgt Ion:202 Resp: 9678

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

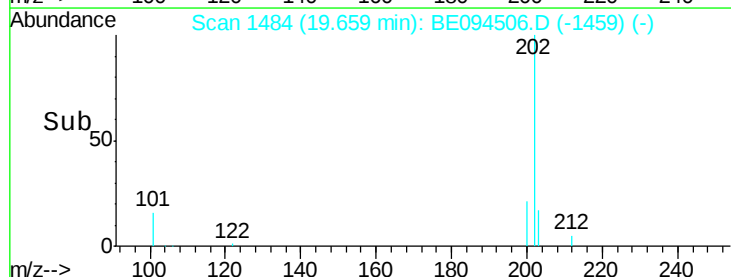
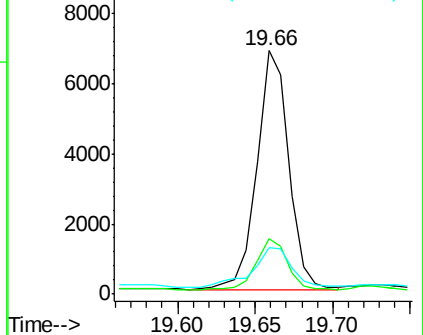
203 21.1 13.8 20.8#

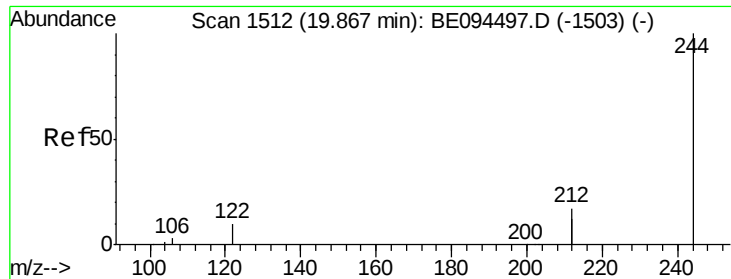


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.51 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

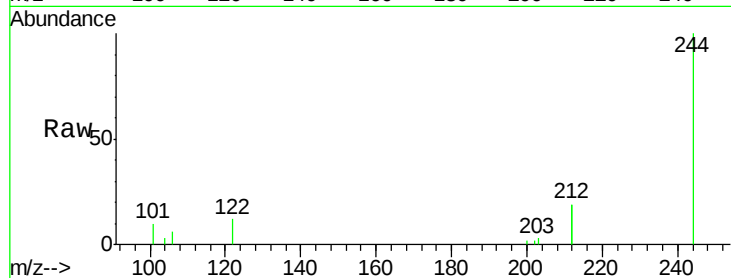
Tot Ion:244 Resp: 9379

Ion Ratio Lower Upper

244 100

212 37.2 25.4 38.0

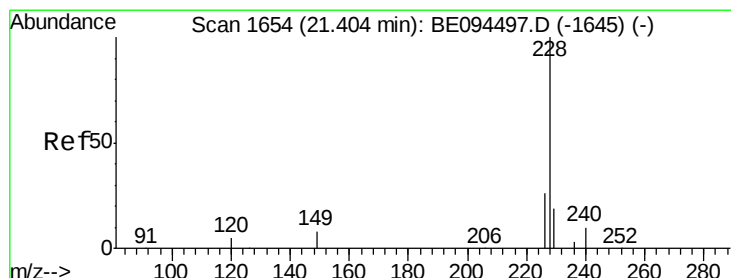
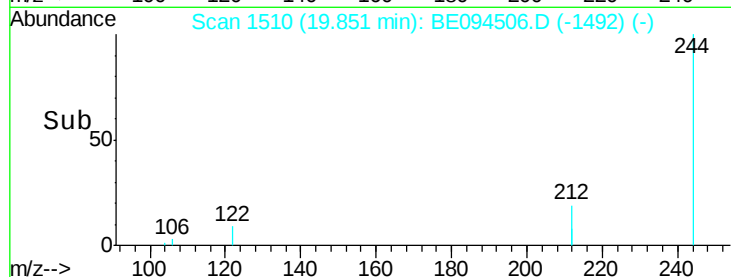
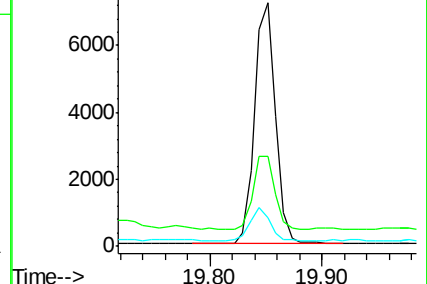
122 12.0 8.1 12.1



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: 0.03 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

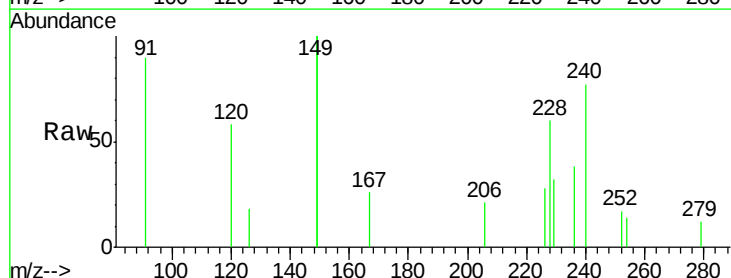
Tgt Ion:228 Resp: 798

Ion Ratio Lower Upper

228 100

226 46.5 40.0 60.0

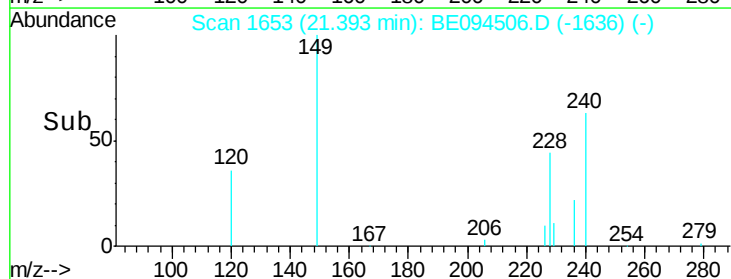
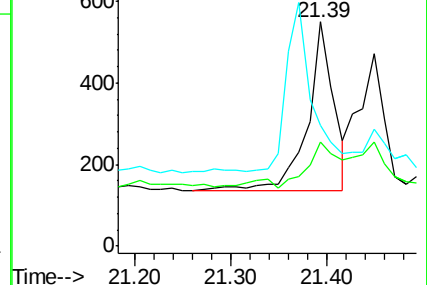
229 53.6 40.0 60.0

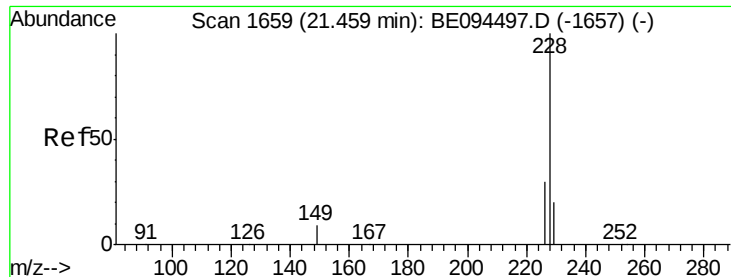


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.02 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.07 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

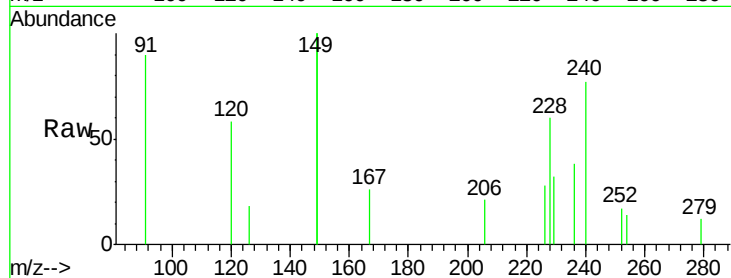
Tot Ion:228 Resp: 770

Ion Ratio Lower Upper

228 100

226 46.5 40.0 60.0

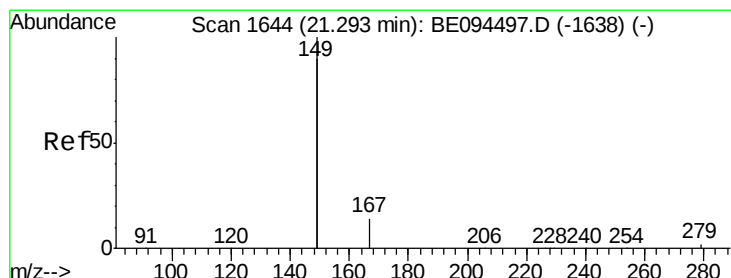
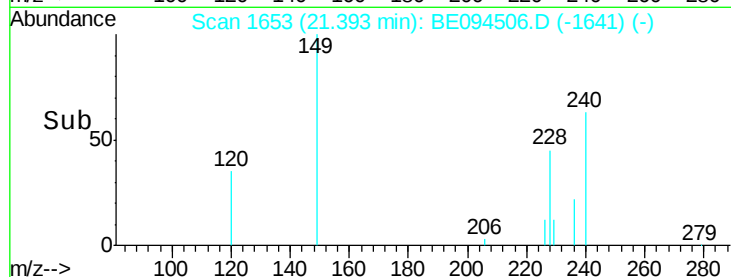
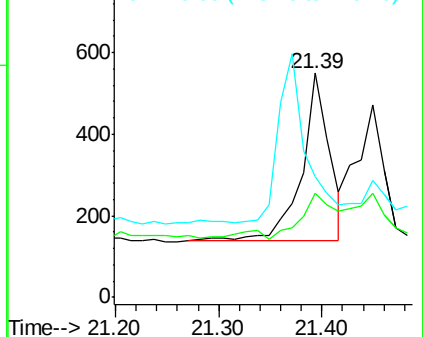
229 53.6 40.0 60.0



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: 0.06 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

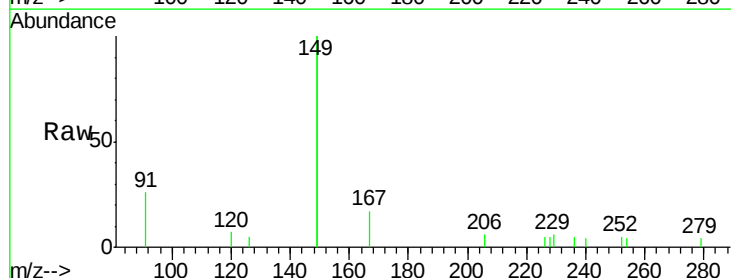
Tgt Ion:149 Resp: 5026

Ion Ratio Lower Upper

149 100

167 8.5 5.4 8.0#

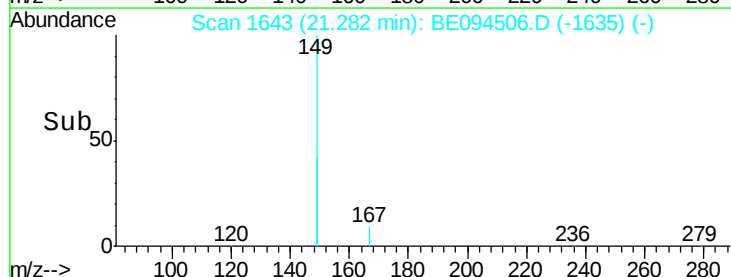
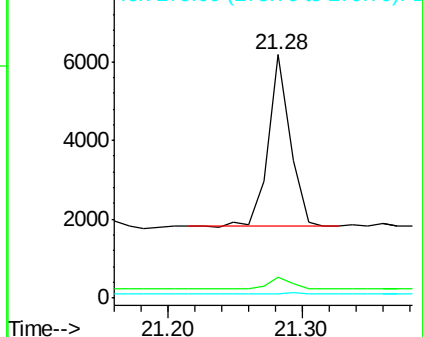
279 1.7 0.7 1.1#

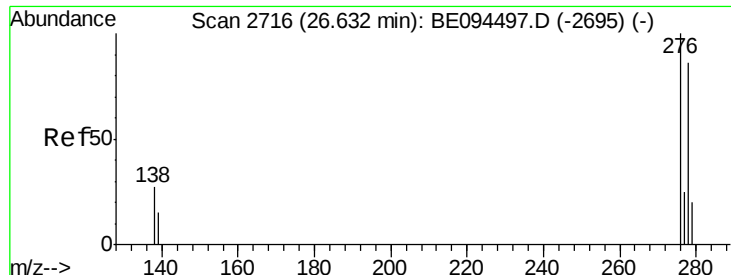


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.01 ng

RT: 26.62 min Scan# 2712

Delta R.T. -0.01 min

Lab File: BE094506.D

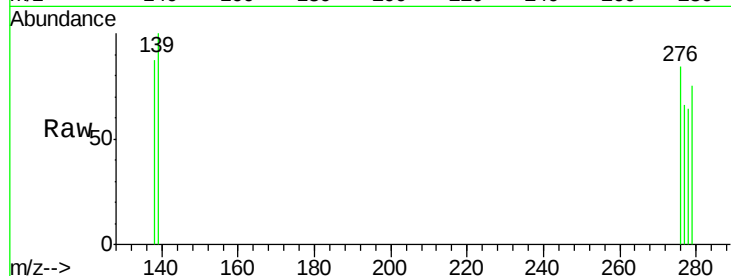
Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2



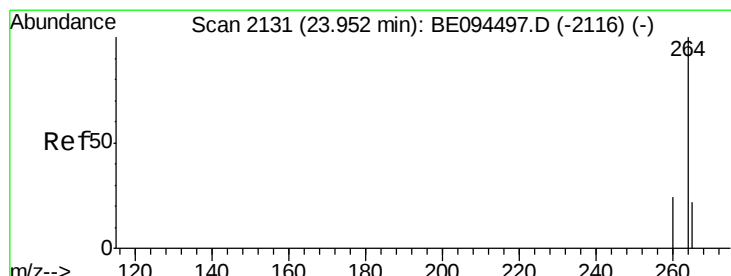
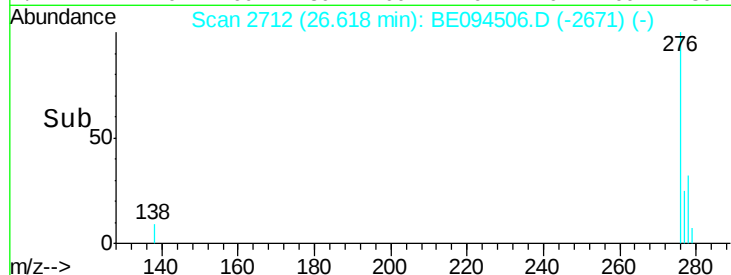
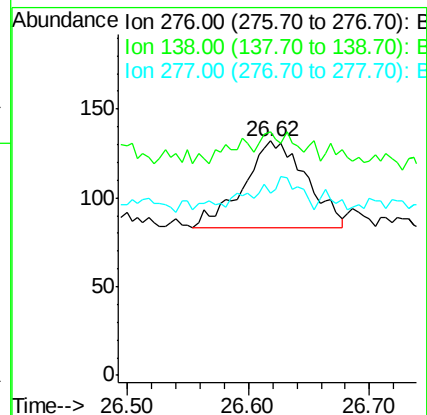
Tot Ion:276 Resp: 178

Ion Ratio Lower Upper

276 100

138 5.6 22.5 33.7#

277 19.7 19.9 29.9#



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

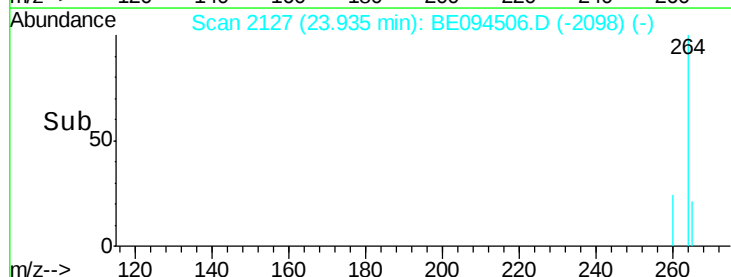
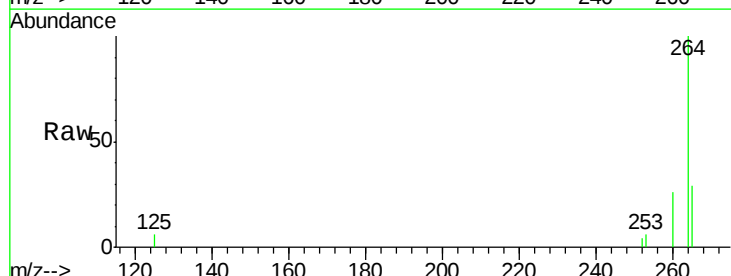
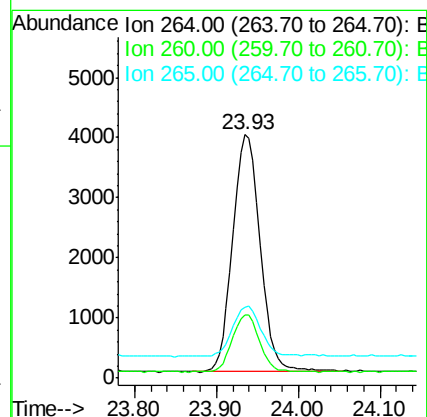
Tgt Ion:264 Resp: 9168

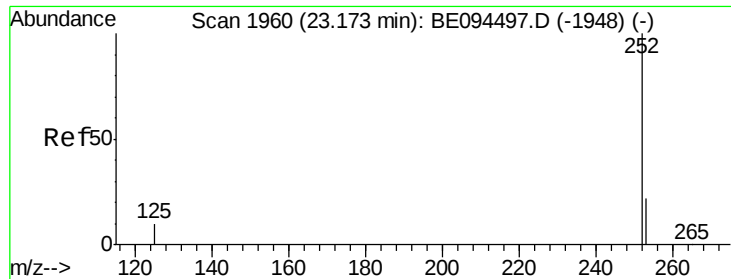
Ion Ratio Lower Upper

264 100

260 26.1 20.5 30.7

265 29.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2

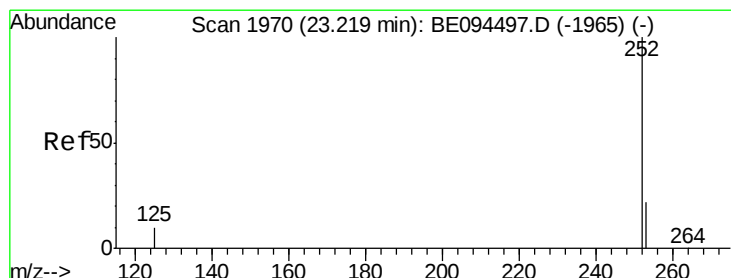
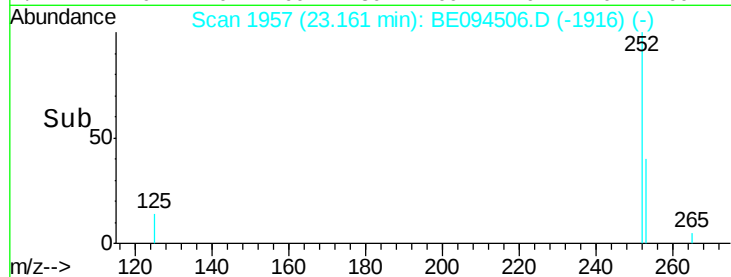
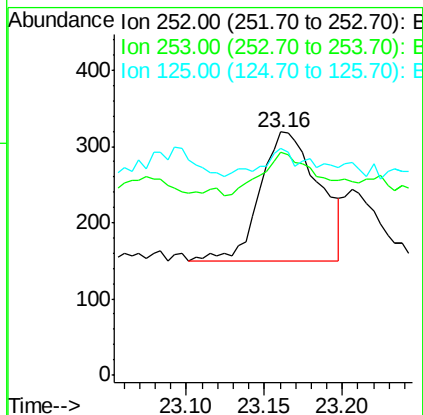
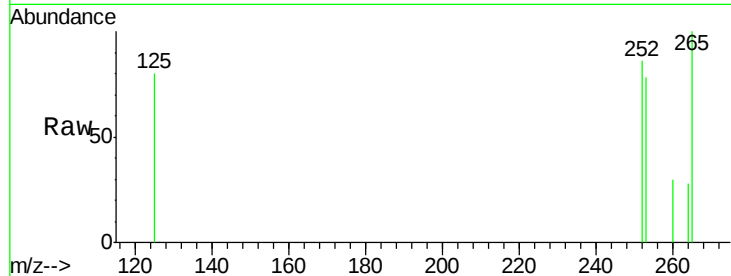
Tot Ion:252 Resp: 449

Ion Ratio Lower Upper

252 100

253 91.5 48.0 72.0#

125 93.4 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.06 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

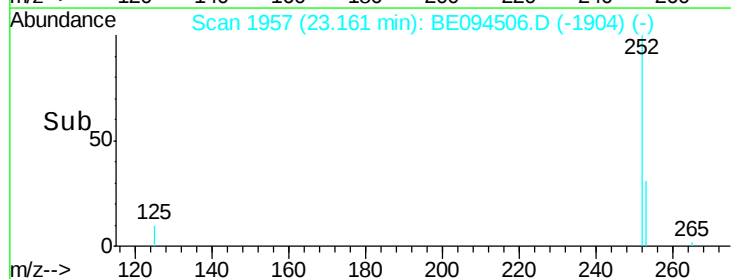
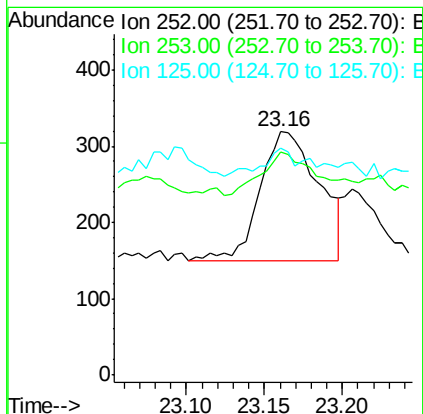
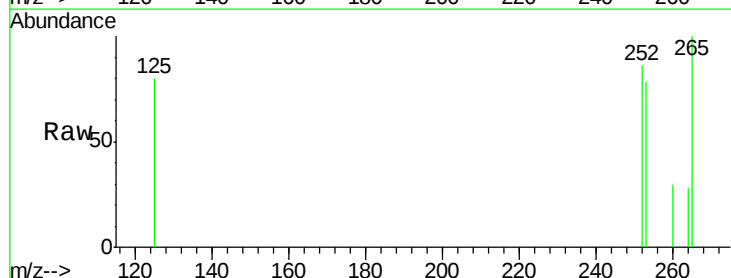
Tgt Ion:252 Resp: 449

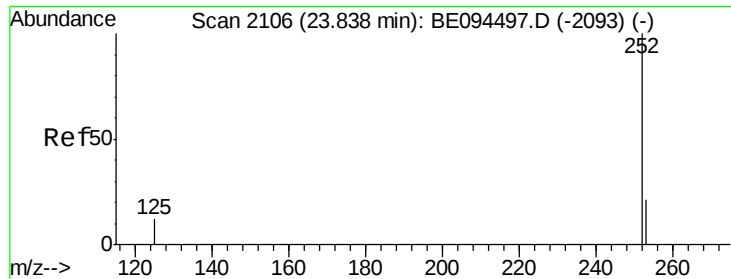
Ion Ratio Lower Upper

252 100

253 91.5 48.0 72.0#

125 93.4 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.83 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BE094506.D

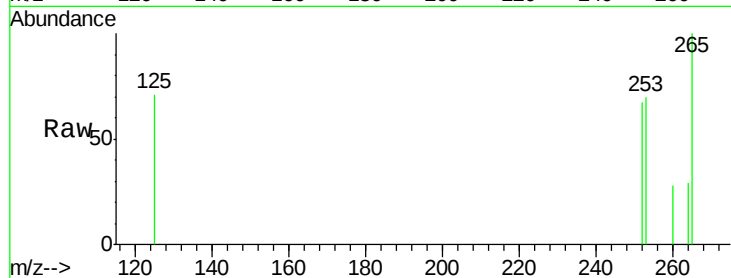
Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2



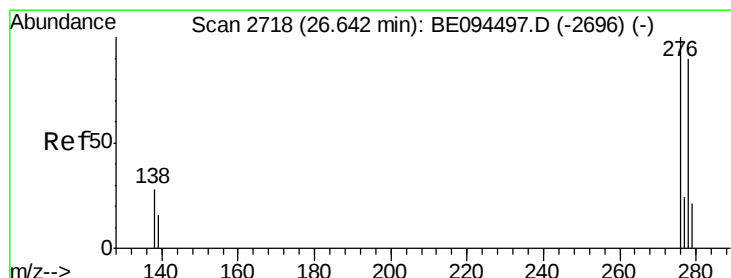
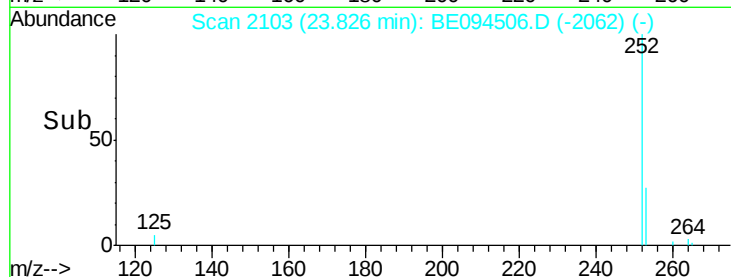
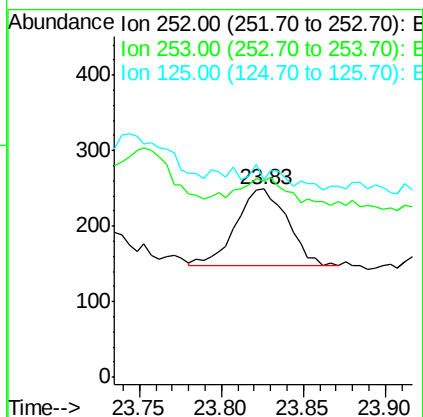
Tot Ion:252 Resp: 224

Ion Ratio Lower Upper

252 100

253 104.0 52.0 78.0#

125 105.2 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 26.62 min Scan# 2712

Delta R.T. -0.02 min

Lab File: BE094506.D

Acq: 23 Oct 2017 21:35

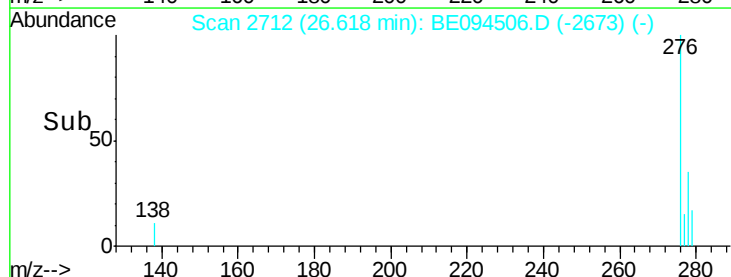
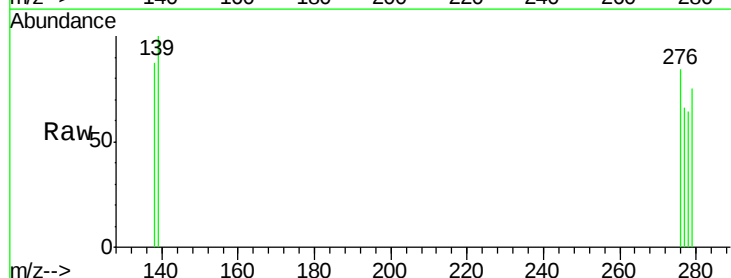
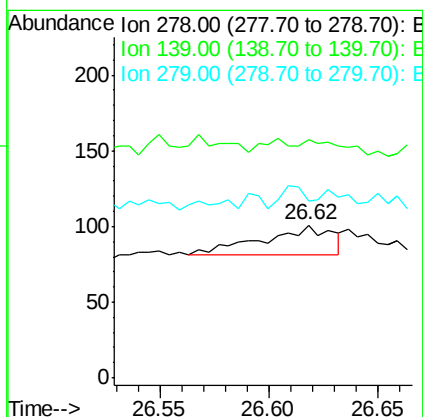
Tgt Ion:278 Resp: 44

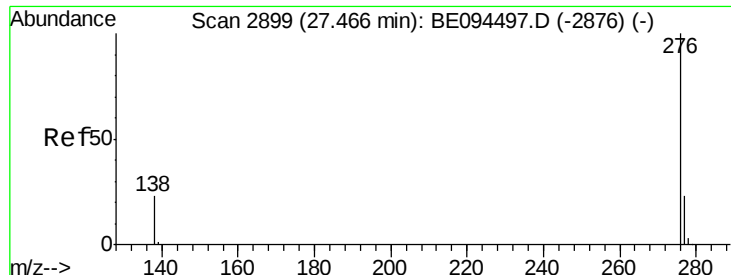
Ion Ratio Lower Upper

278 100

139 155.4 56.0 84.0#

279 115.8 52.0 78.0#





#39

Benzo(a,h,i)perylene

Concen: 0.01 ng

RT: 27.45 min Scan# 2895

Delta R.T. -0.01 min

Lab File: BE094506.D

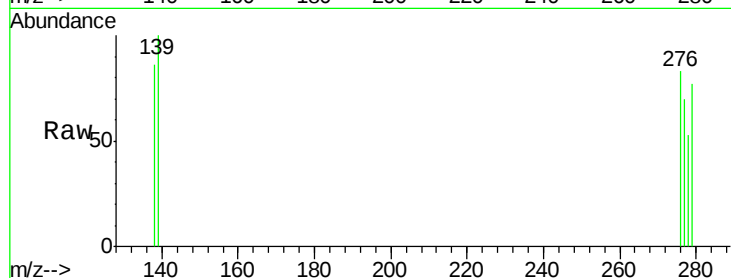
Acq: 23 Oct 2017 21:35

Instrument :

BNA_E

ClientSampleId :

20170723-C-A-COMP2



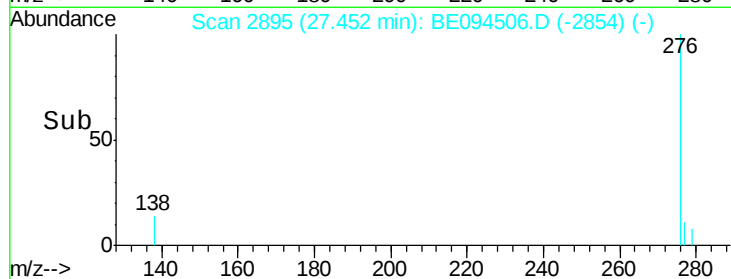
Tot Ion: 276 Resp: 155

Ion Ratio Lower Upper

276 100

277 84.6 52.0 78.0#

138 104.1 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

