

Data Path : Z:\HPCHEM1\BNA_E\Data\BE112717\
 Data File : BE094868.D
 Acq On : 27 Nov 2017 12:34
 Operator : SJ/JU
 Sample : PB104402BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104402BS

Quant Time: Nov 27 15:29:48 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	7.93	152	547	0.40	ng	0.02
7) Naphthalene-d8	10.72	136	3152	0.40	ng	0.02
13) Acenaphthene-d10	14.52	164	1775	0.40	ng	0.01
19) Phenanthrene-d10	17.27	188	5136	0.40	ng	0.03
27) Chrysene-d12	21.44	240	6366	0.40	ng	0.01
34) Perylene-d12	23.97	264	6082	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.64	112	283	0.15	ng	0.11
5) Phenol-d6	7.25	99	637	0.23	ng	0.11
8) Nitrobenzene-d5	9.16	82	466	0.19	ng	0.08
11) 2-Methylnaphthalene-d10	12.33	152	1654	0.33	ng	0.04
14) 2,4,6-Tribromophenol	16.09	330	115	0.23	ng	0.06
15) 2-Fluorobiphenyl	13.18	172	1650	0.26	ng	0.03
25) Fluoranthene-d10	19.30	212	18164	0.26	ng	0.02
29) Terphenyl-d14	19.87	244	3081	0.26	ng	0.00

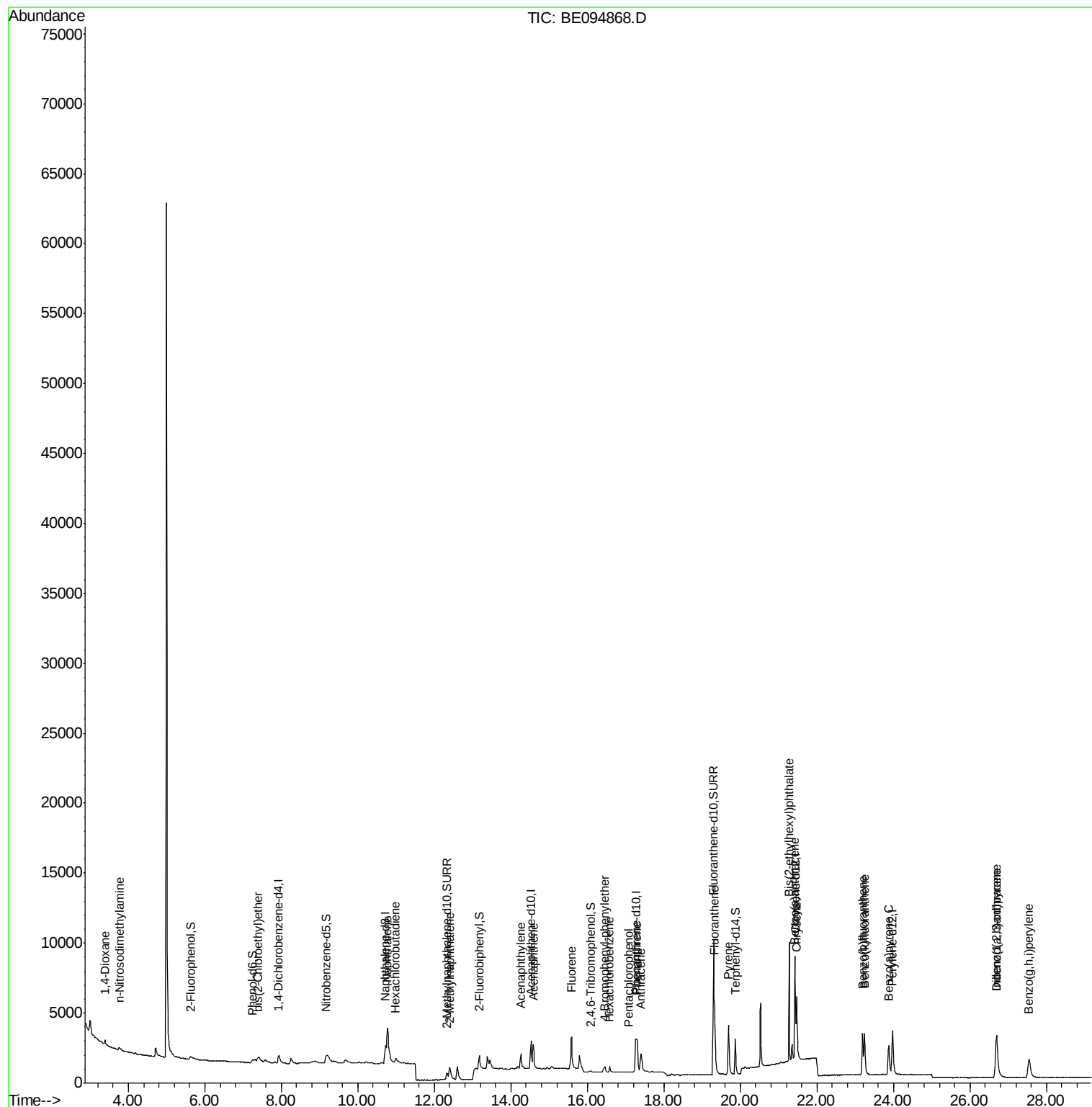
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	259	0.280	ng	# 5
3) n-Nitrosodimethylamine	3.76	42	218	0.246	ng	# 74
6) bis(2-Chloroethyl)ether	7.40	93	363	0.166	ng	# 88
9) Naphthalene	10.77	128	7564	0.212	ng	# 96
10) Hexachlorobutadiene	10.99	225	333	0.258	ng	# 95
12) 2-Methylnaphthalene	12.40	142	1319	0.218	ng	# 99
16) Acenaphthylene	14.26	152	2075	0.221	ng	# 99
17) Acenaphthene	14.58	154	1362	0.226	ng	# 98
18) Fluorene	15.59	166	1844	0.239	ng	# 99
20) 4-Bromophenyl-phenylether	16.45	248	471	0.168	ng	# 77
21) Hexachlorobenzene	16.58	284	546	0.222	ng	# 93
22) Pentachlorophenol	17.07	266	86	0.274	ng	# 98
23) Phenanthrene	17.30	178	3652	0.244	ng	# 99
24) Anthracene	17.40	178	3477	0.230	ng	# 97
26) Fluoranthene	19.33	202	4752	0.213	ng	# 97
28) Pyrene	19.69	202	4974	0.223	ng	# 98
30) Benzo(a)anthracene	21.42	228	5102	0.246	ng	# 63
31) Chrysene	21.47	228	5284	0.251	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.27	149	9865	0.194	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.70	276	5196	0.267	ng	# 93
35) Benzo(b)fluoranthene	23.20	252	4865	0.247	ng	# 41
36) Benzo(k)fluoranthene	23.25	252	5201	0.248	ng	# 41
37) Benzo(a)pyrene	23.87	252	4941	0.259	ng	# 36
38) Dibenzo(a,h)anthracene	26.69	278	4419	0.258	ng	# 47
39) Benzo(g,h,i)perylene	27.55	276	4441	0.277	ng	# 57

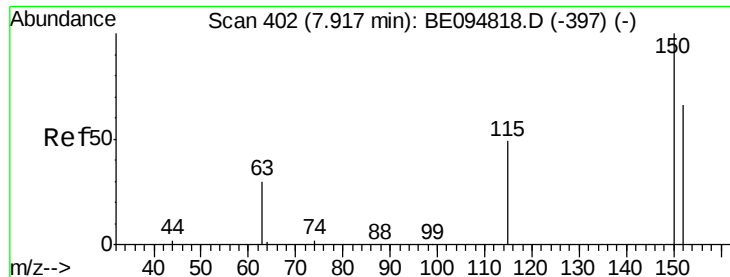
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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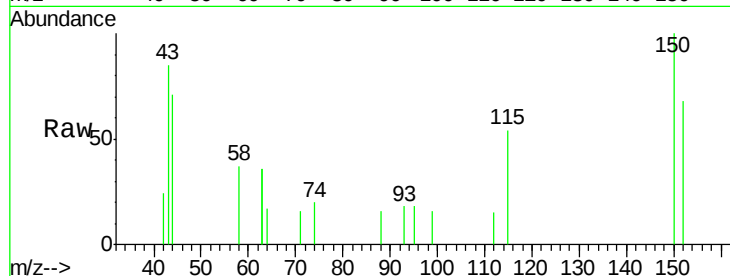


#1

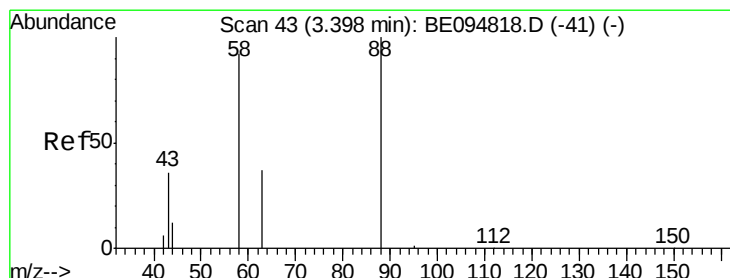
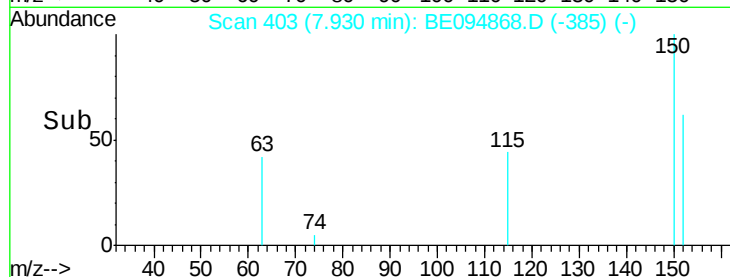
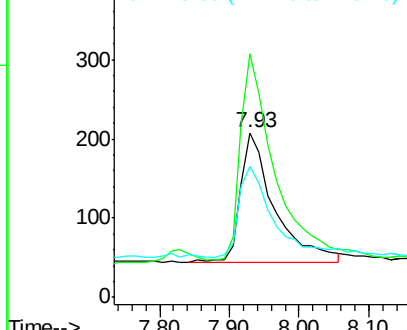
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. 0.02 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

Instrument :
BNA_E
ClientSampleId :
PB104402BS

Tgt Ion:152 Resp: 547
Ion Ratio Lower Upper
152 100
150 147.6 117.2 175.8
115 79.8 57.0 85.6



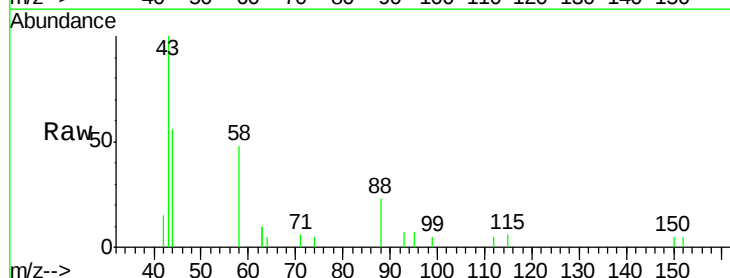
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



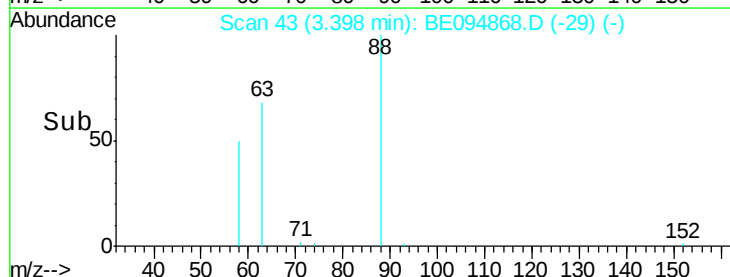
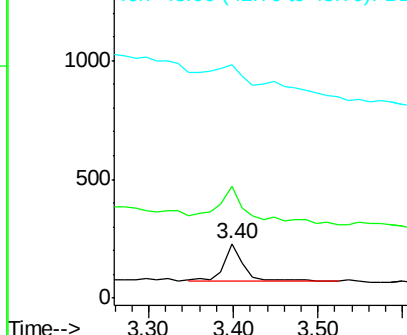
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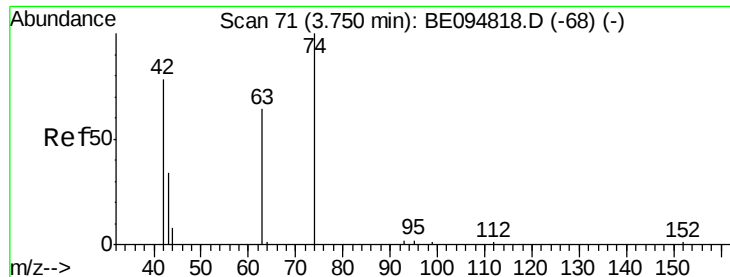
1,4-Dioxane
Concen: 0.280 ng
RT: 3.40 min Scan# 43
Delta R.T. -0.03 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
58 174.5 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: 0.246 ng

RT: 3.76 min Scan# 72

Delta R.T. 0.01 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

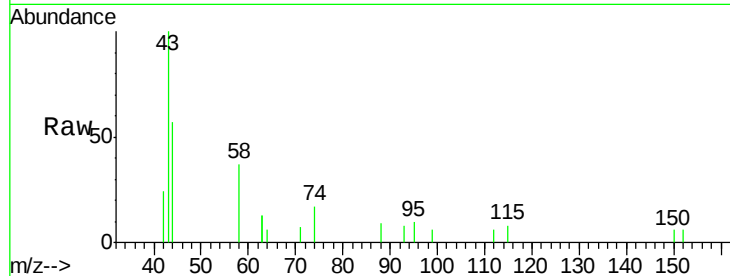
Tgt Ion: 42 Resp: 218

Ion Ratio Lower Upper

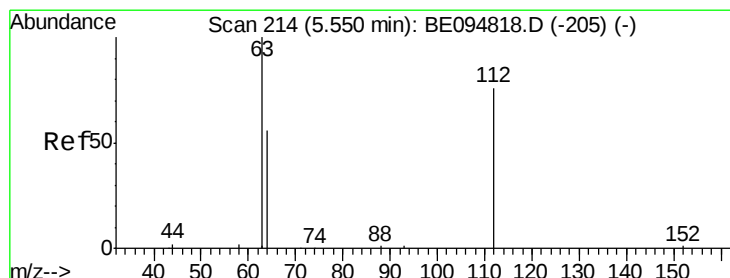
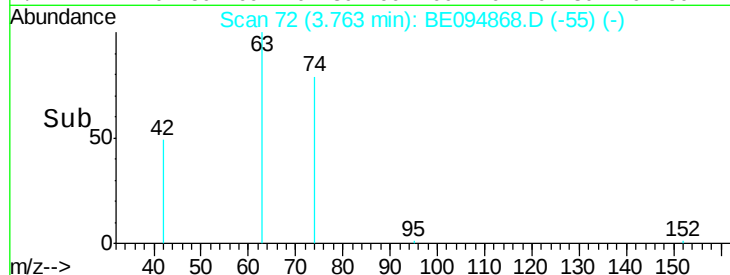
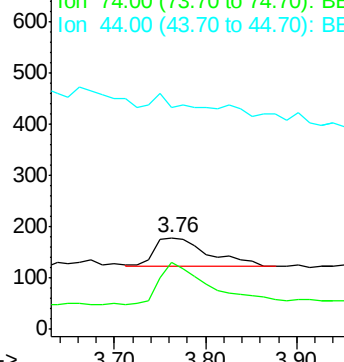
42 100

74 151.4 100.3 150.5#

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: 0.151 ng

RT: 5.64 min Scan# 221

Delta R.T. 0.11 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

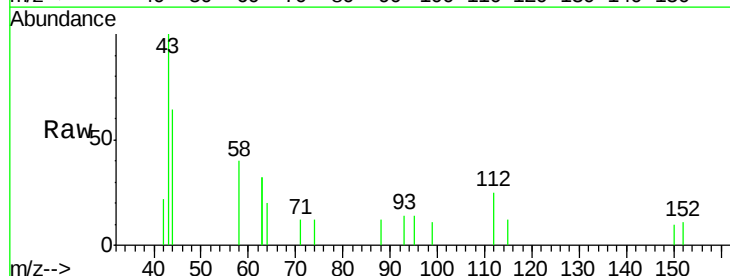
Tgt Ion: 112 Resp: 283

Ion Ratio Lower Upper

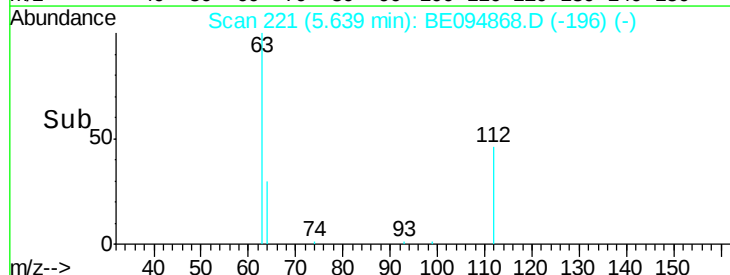
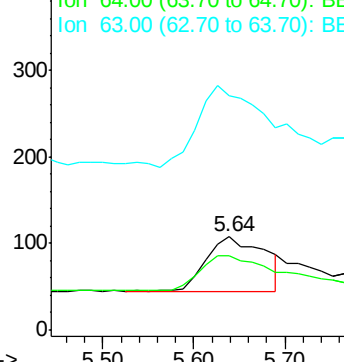
112 100

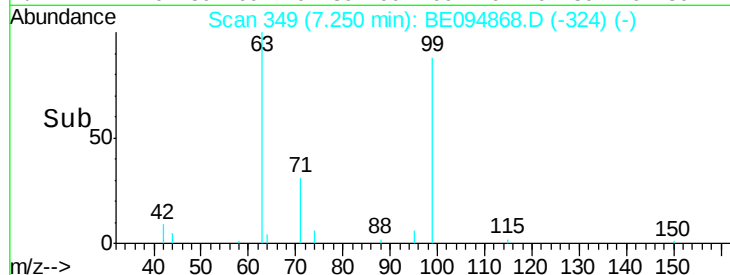
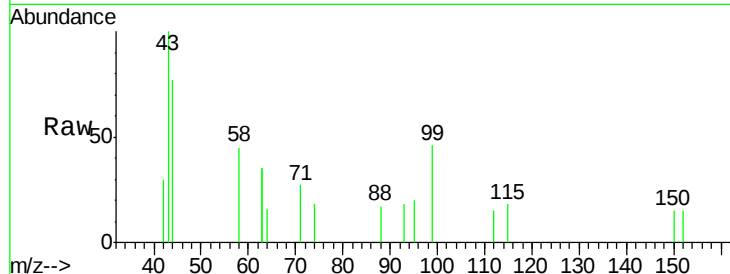
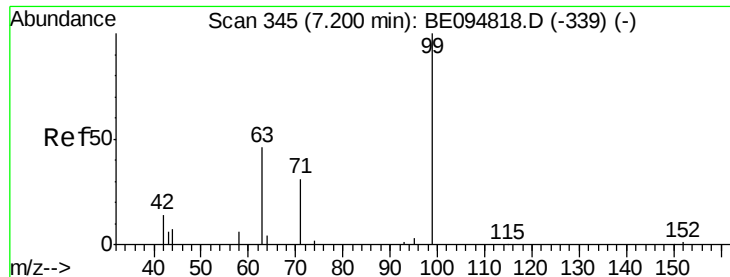
64 67.1 60.1 90.1

63 155.5 116.8 175.2



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

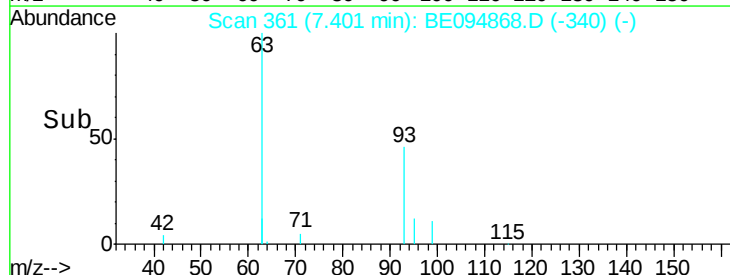
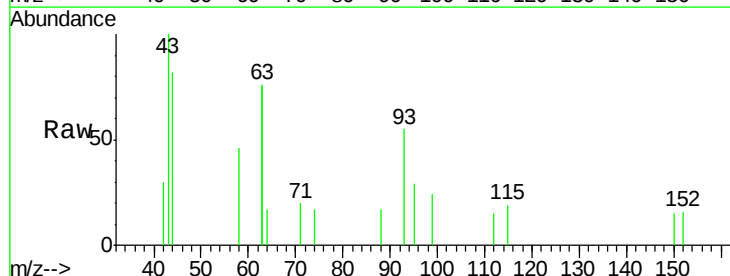
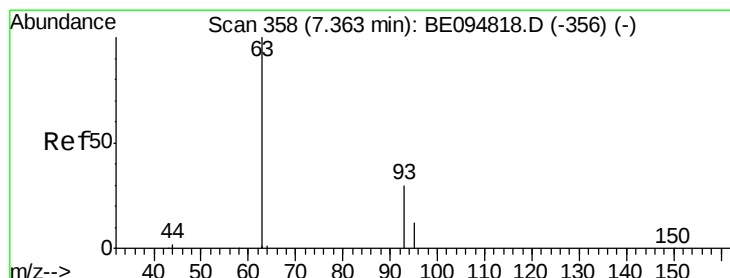
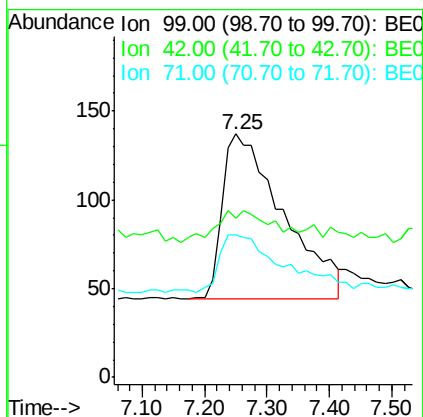




#5
 Phenol-d6
 Concen: 0.225 ng
 RT: 7.25 min Scan# 349
 Delta R.T. 0.11 min
 Lab File: BE094868.D
 Acq: 27 Nov 2017 12:34

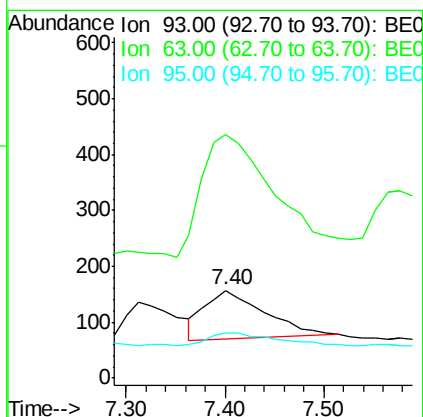
Tgt Ion: 99 Resp: 637
 Ion Ratio Lower Upper
 99 100
 42 18.8 20.2 30.2#
 71 36.1 28.4 42.6

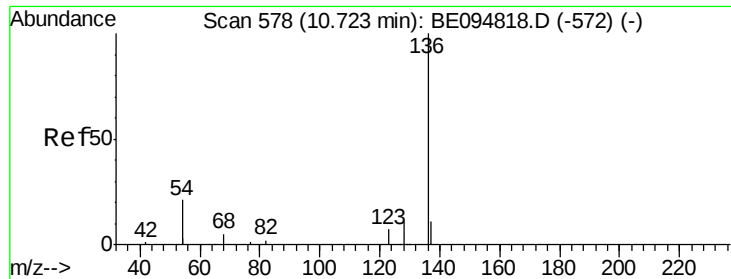
Instrument :
 BNA_E
 ClientSampleId :
 PB104402BS



#6
 bis(2-Chloroethyl)ether
 Concen: 0.166 ng
 RT: 7.40 min Scan# 361
 Delta R.T. 0.06 min
 Lab File: BE094868.D
 Acq: 27 Nov 2017 12:34

Tgt Ion: 93 Resp: 363
 Ion Ratio Lower Upper
 93 100
 63 317.1 275.3 412.9
 95 27.8 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: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

Tgt Ion: 136 Resp: 3152

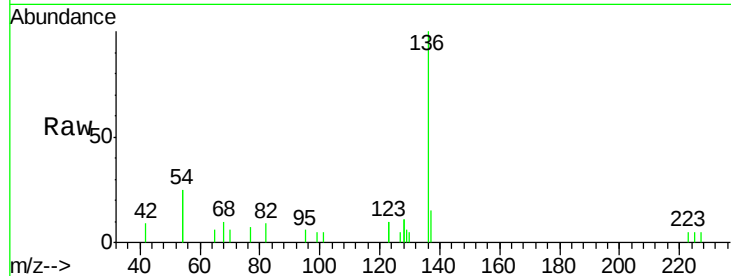
Ion Ratio Lower Upper

136 100

137 14.9 9.5 14.3#

54 50.2 29.1 43.7#

68 10.4 6.2 9.2#

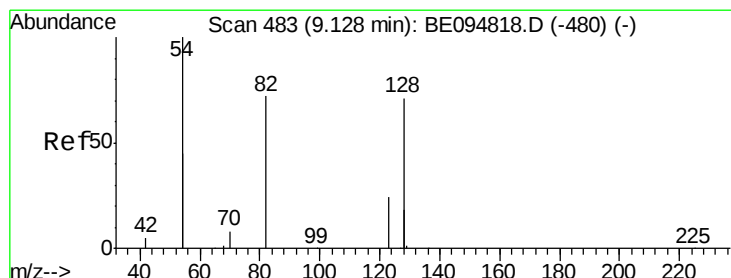
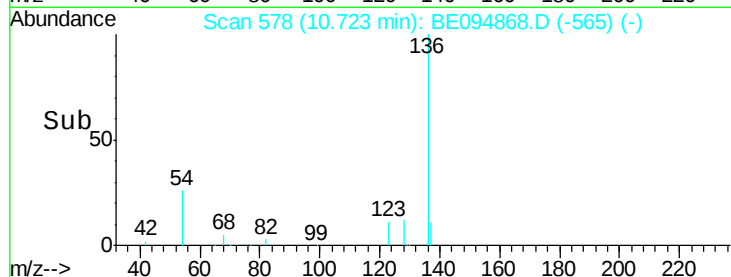
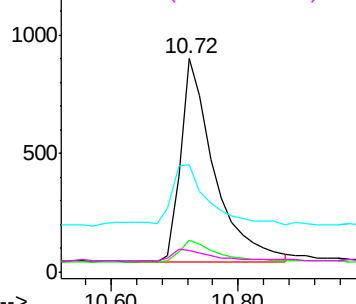


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.185 ng

RT: 9.16 min Scan# 485

Delta R.T. 0.08 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

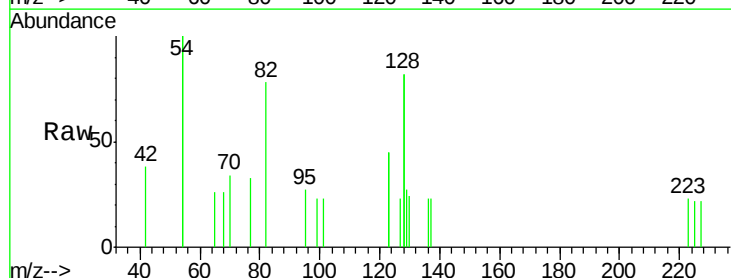
Tgt Ion: 82 Resp: 466

Ion Ratio Lower Upper

82 100

128 210.3 150.0 225.0

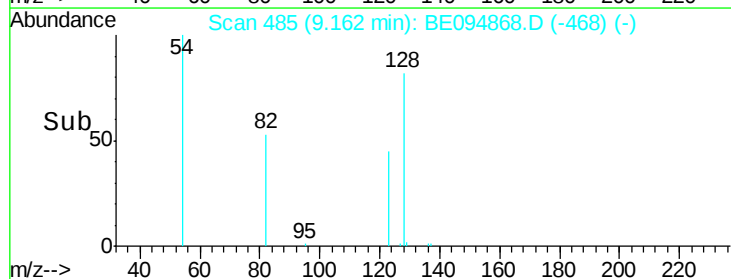
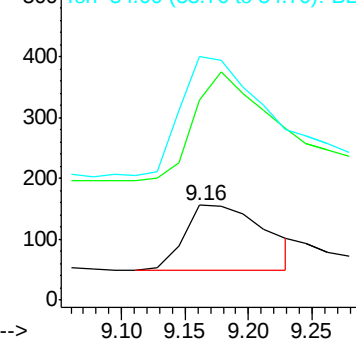
54 256.4 154.2 231.4#

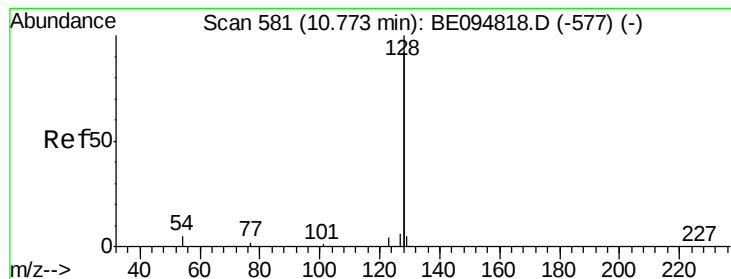


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.212 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.03 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

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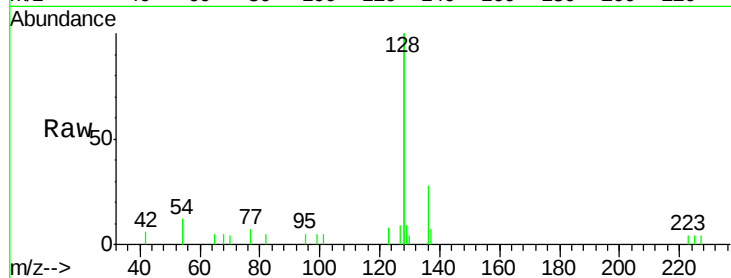
Tgt Ion:128 Resp: 7564

Ion Ratio Lower Upper

128 100

129 4.6 2.6 3.8#

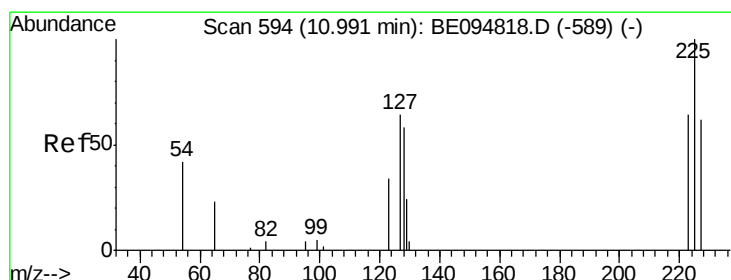
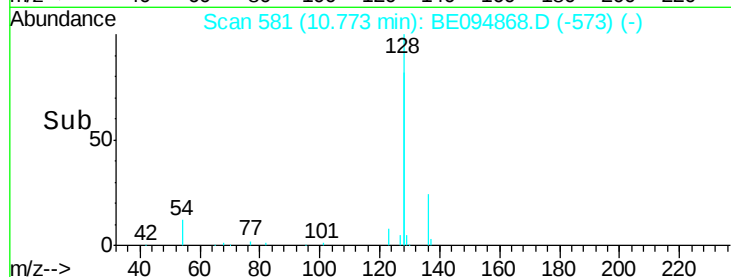
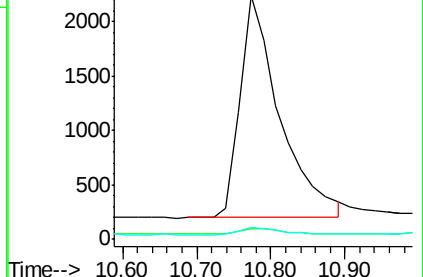
127 4.7 2.8 4.2#



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: 0.258 ng

RT: 10.99 min Scan# 594

Delta R.T. -0.02 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

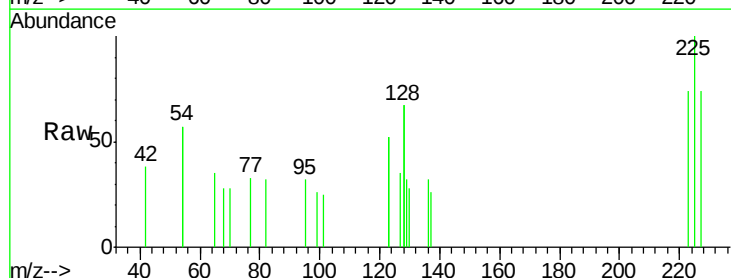
Tgt Ion:225 Resp: 333

Ion Ratio Lower Upper

225 100

223 61.9 53.0 79.6

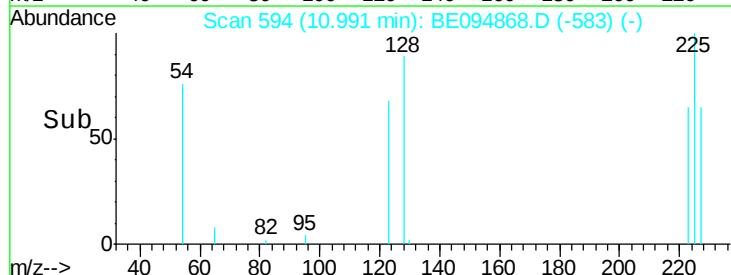
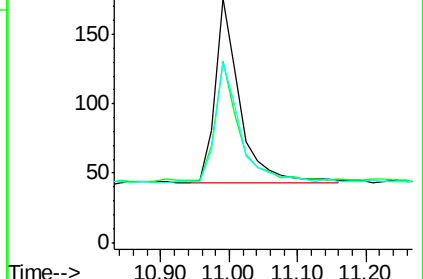
227 67.9 51.4 77.2

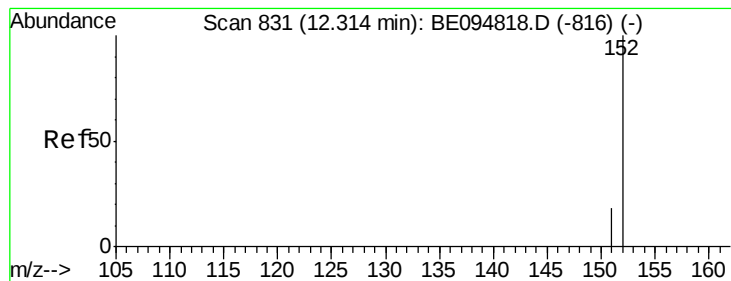


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.327 ng

RT: 12.33 min Scan# 834

Delta R.T. 0.04 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

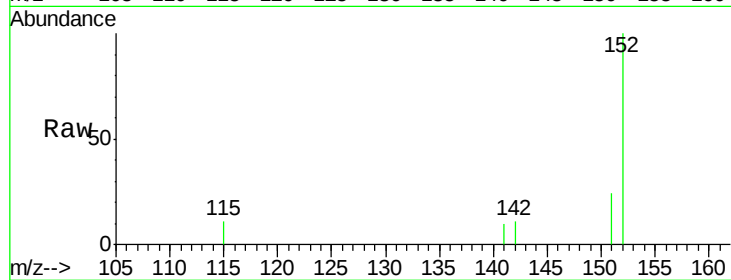
PB104402BS

Tgt Ion:152 Resp: 1654

Ion Ratio Lower Upper

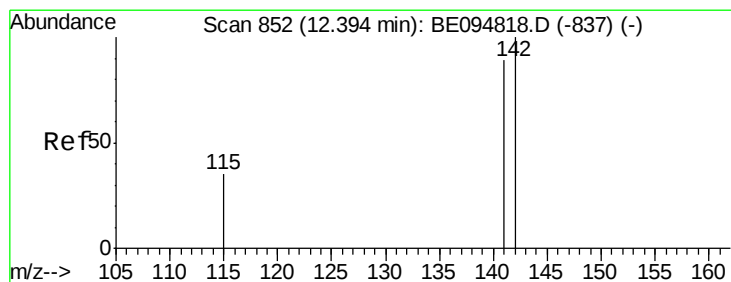
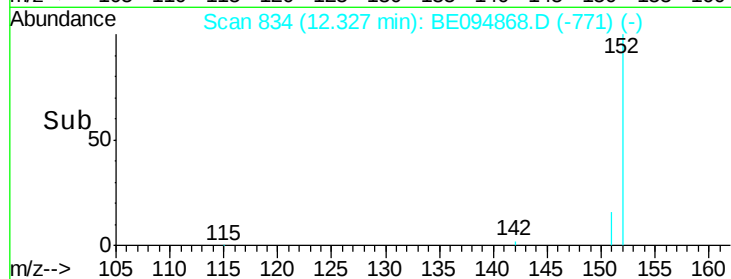
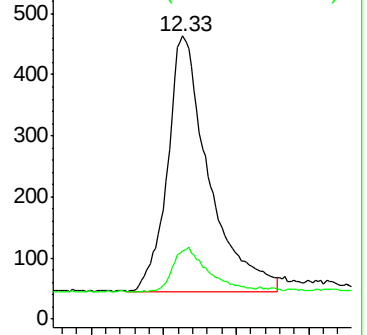
152 100

151 15.2 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.218 ng

RT: 12.40 min Scan# 854

Delta R.T. 0.04 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

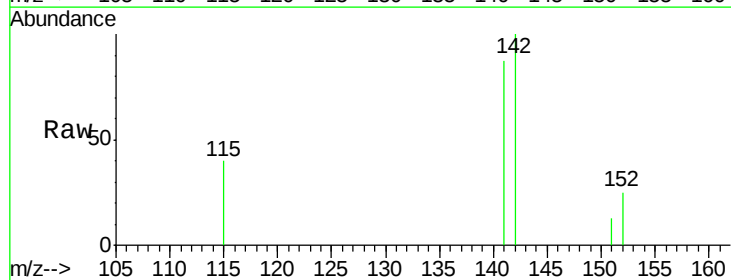
Tgt Ion:142 Resp: 1319

Ion Ratio Lower Upper

142 100

141 87.0 70.4 105.6

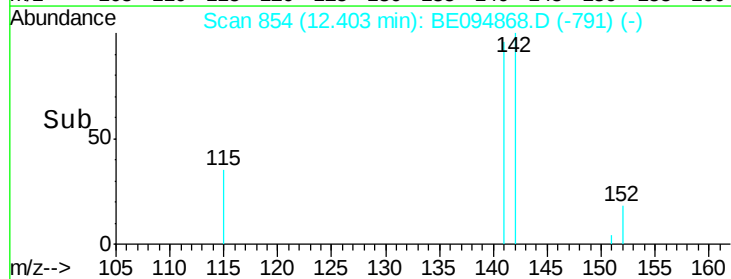
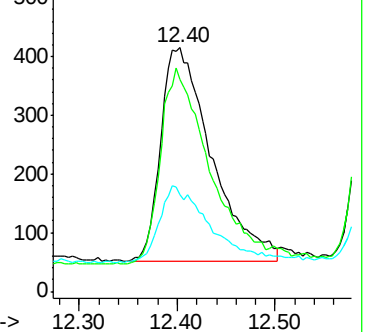
115 39.8 31.7 47.5

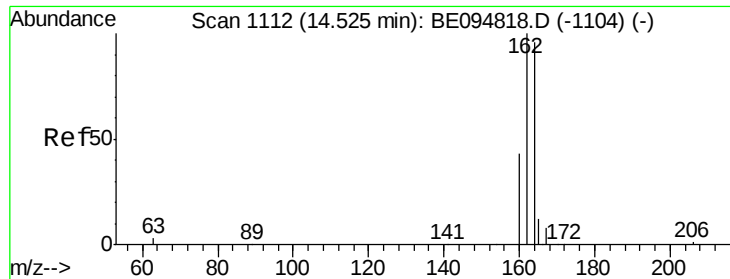


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

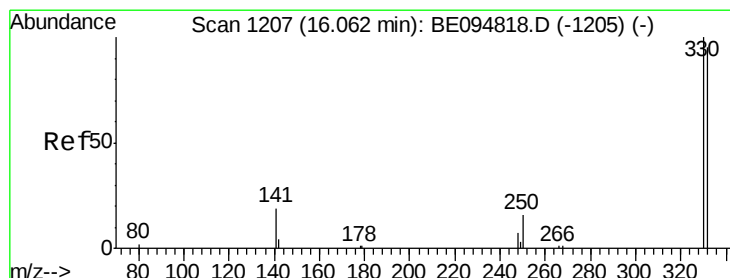
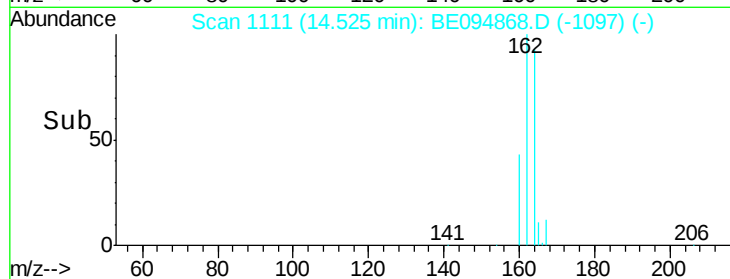
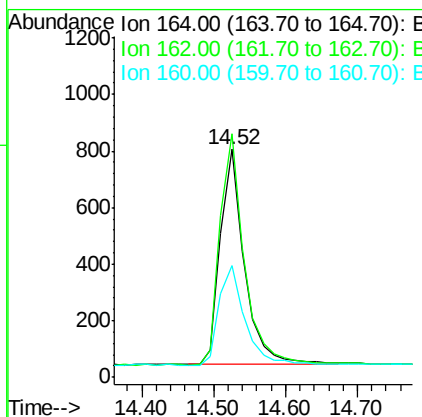
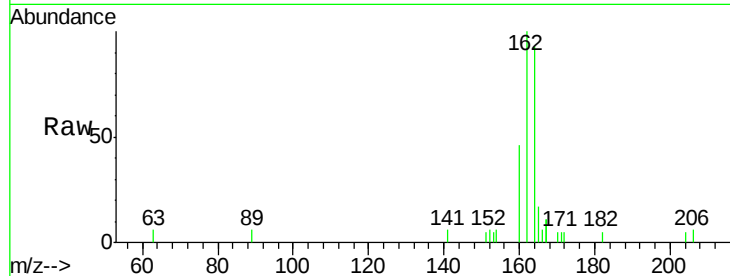




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: BE094868.D
 Acq: 27 Nov 2017 12:34

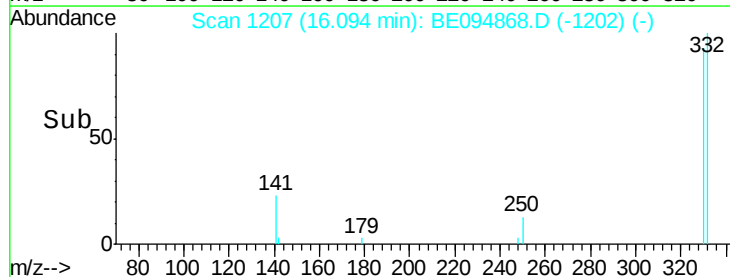
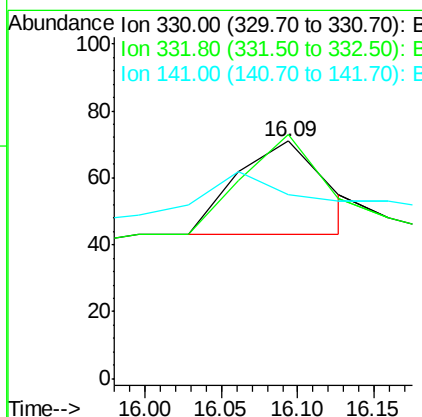
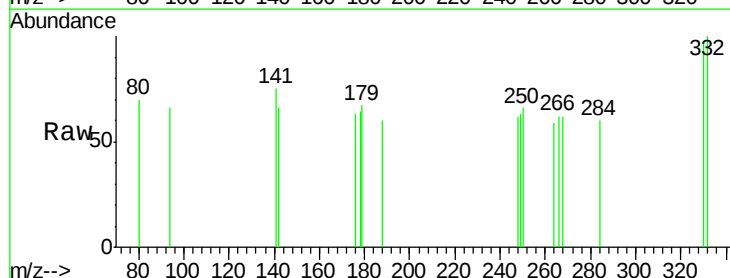
Instrument :
 BNA_E
 ClientSampleId :
 PB104402BS

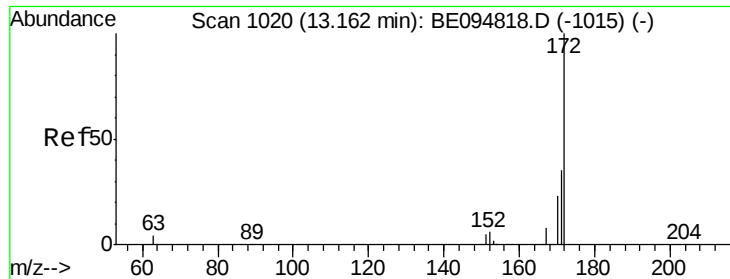
Tgt Ion:164 Resp: 1775
 Ion Ratio Lower Upper
 164 100
 162 107.0 83.1 124.7
 160 49.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.235 ng
 RT: 16.09 min Scan# 1207
 Delta R.T. 0.06 min
 Lab File: BE094868.D
 Acq: 27 Nov 2017 12:34

Tgt Ion:330 Resp: 115
 Ion Ratio Lower Upper
 330 100
 332 96.5 152.7 229.1#
 141 0.0 33.7 50.5#

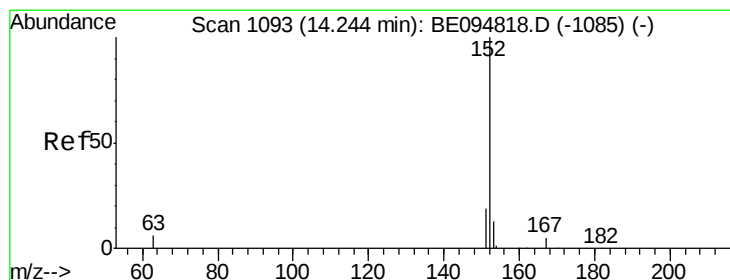
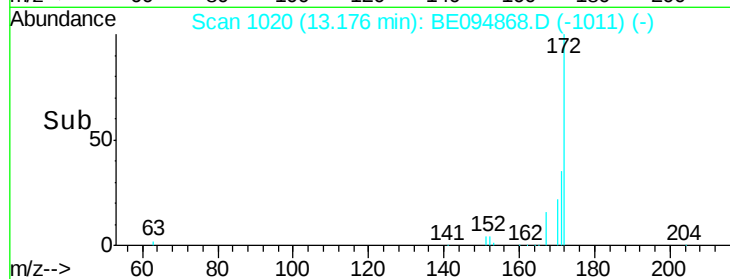
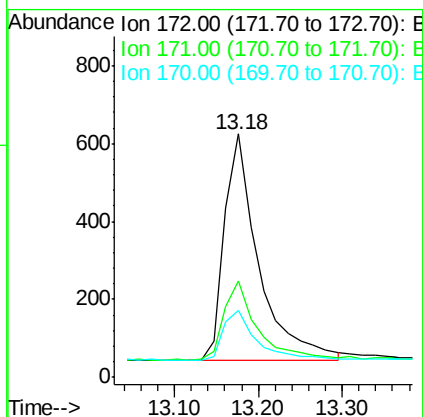
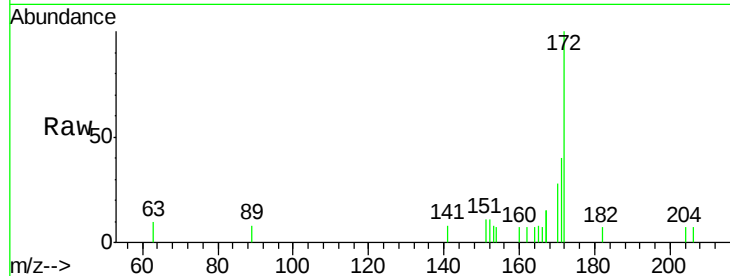




#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 13.18 min Scan# 1020
Delta R.T. 0.03 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

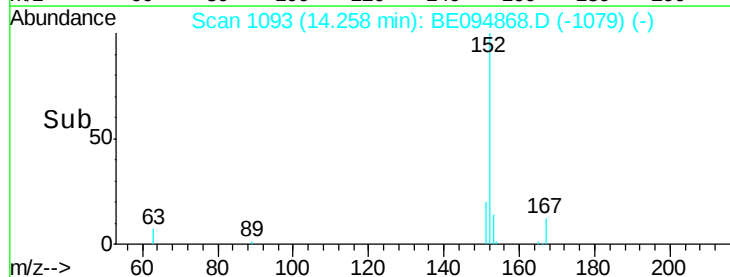
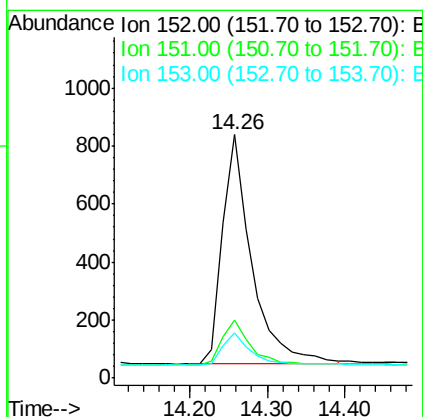
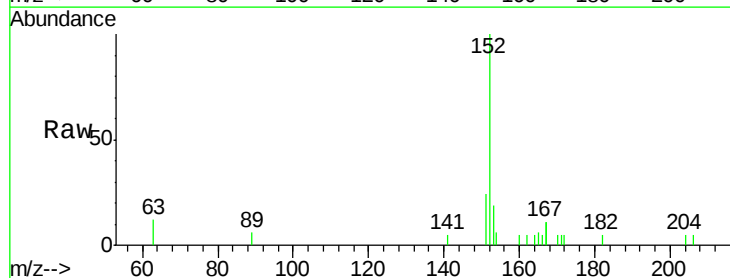
Instrument :
BNA_E
ClientSampleId :
PB104402BS

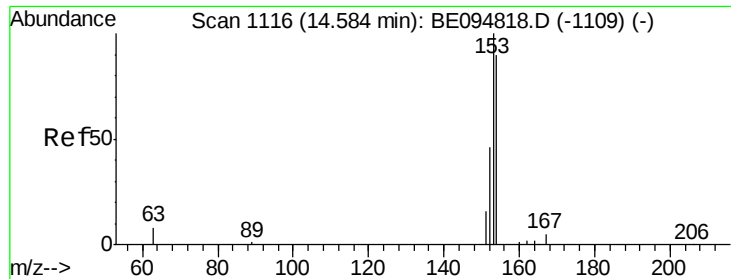
Tgt Ion:172 Resp: 1650
Ion Ratio Lower Upper
172 100
171 39.5 29.9 44.9
170 27.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.221 ng
RT: 14.26 min Scan# 1093
Delta R.T. 0.01 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

Tgt Ion:152 Resp: 2075
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 14.5 10.5 15.7

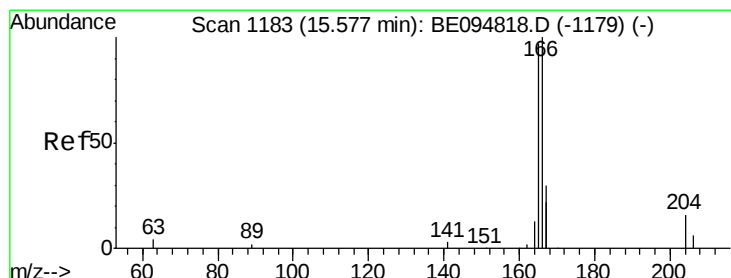
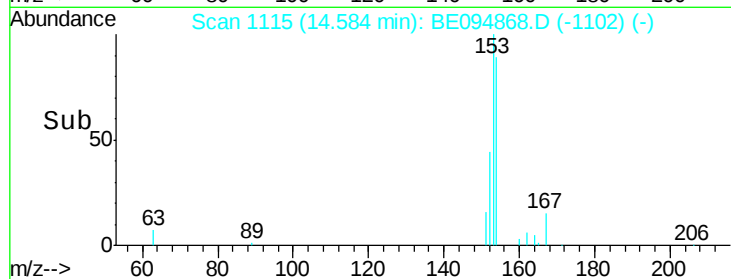
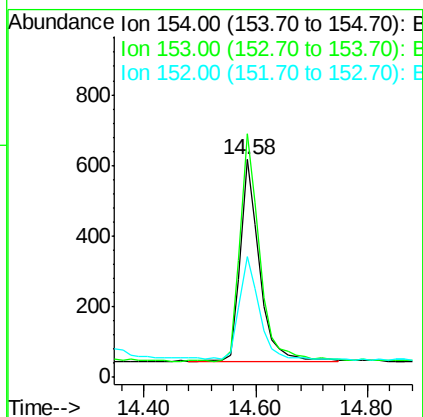
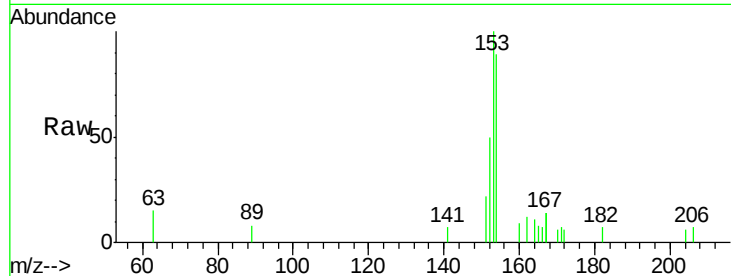




#17
Acenaphthene
Concen: 0.226 ng
RT: 14.58 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

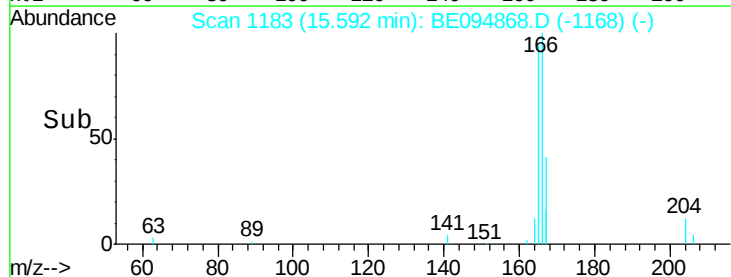
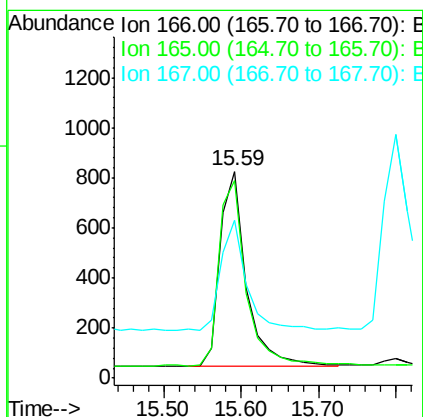
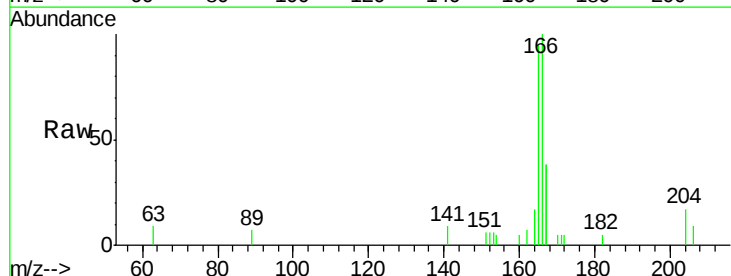
Instrument :
BNA_E
ClientSampleId :
PB104402BS

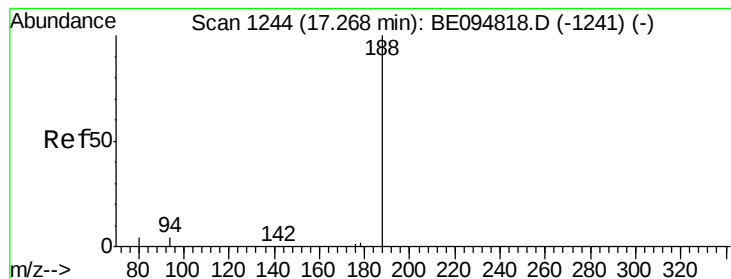
Tgt Ion:154 Resp: 1362
Ion Ratio Lower Upper
154 100
153 115.0 89.2 133.8
152 52.1 42.0 63.0



#18
Fluorene
Concen: 0.239 ng
RT: 15.59 min Scan# 1183
Delta R.T. 0.03 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

Tgt Ion:166 Resp: 1844
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.6
167 55.5 42.4 63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1243

Delta R.T. 0.03 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

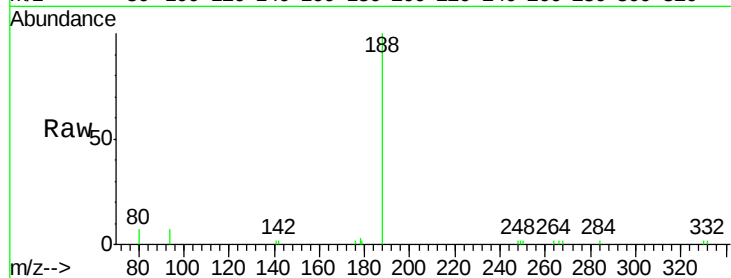
Tgt Ion:188 Resp: 5136

Ion Ratio Lower Upper

188 100

94 6.8 3.9 5.9#

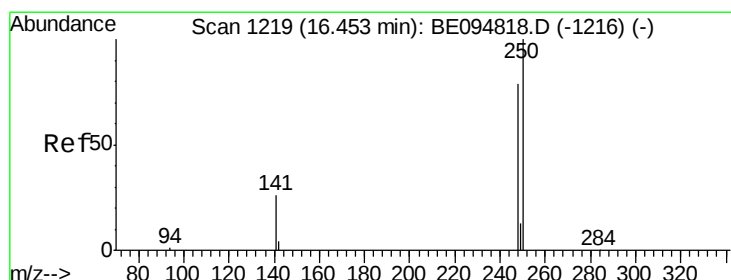
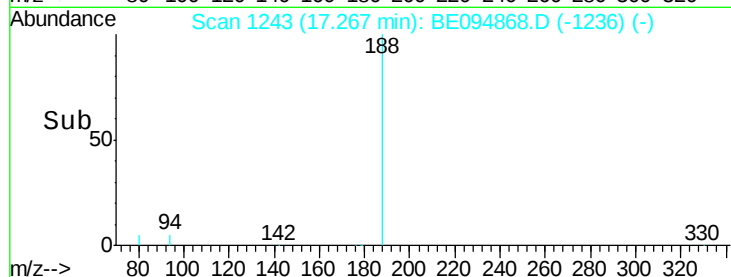
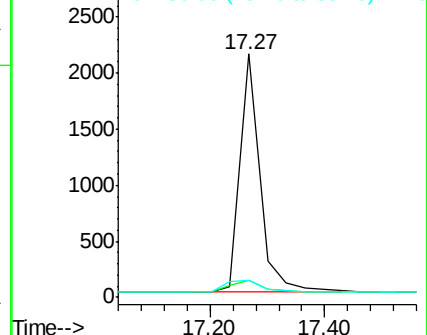
80 7.0 3.6 5.4#



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: 0.168 ng

RT: 16.45 min Scan# 1218

Delta R.T. 0.03 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

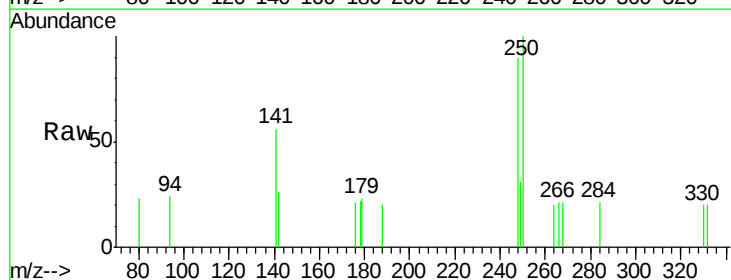
Tgt Ion:248 Resp: 471

Ion Ratio Lower Upper

248 100

250 111.3 62.7 94.1#

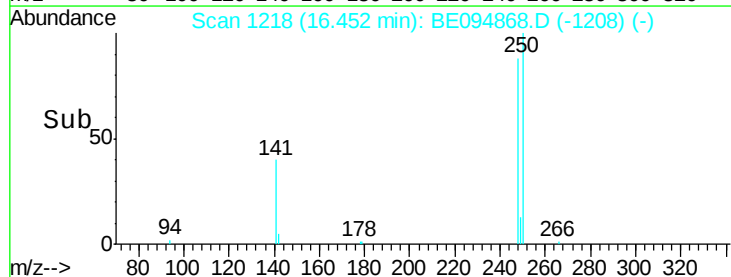
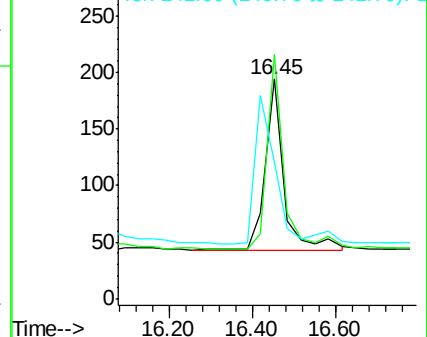
141 62.4 48.2 72.2

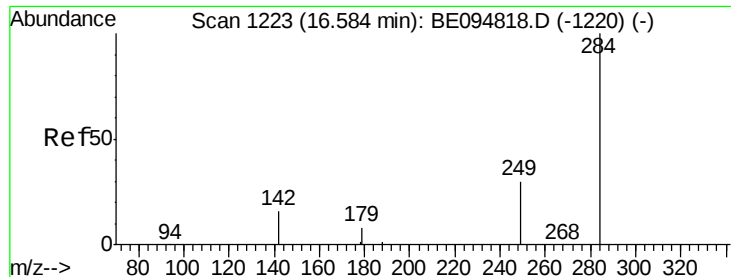


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

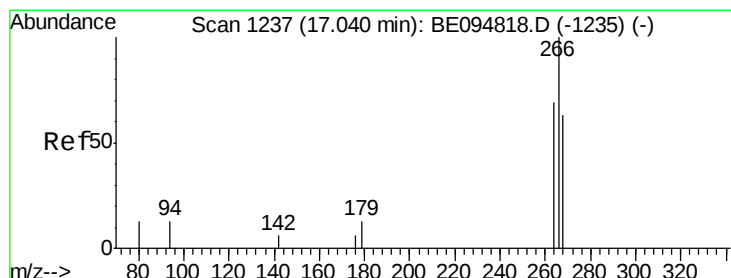
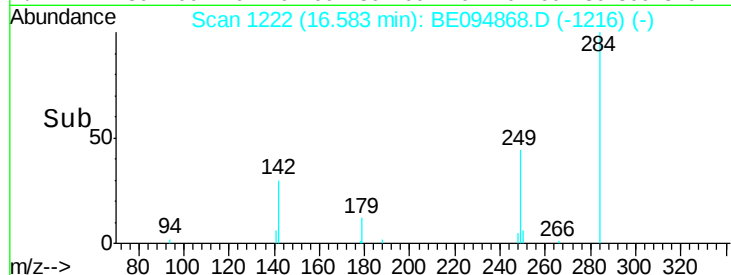
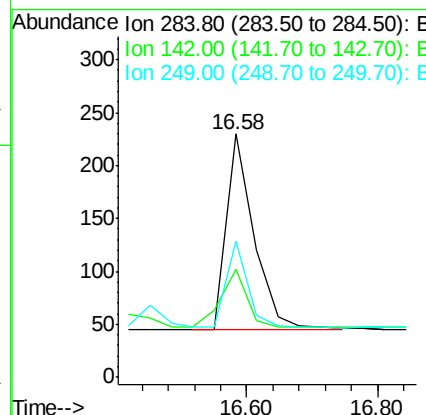
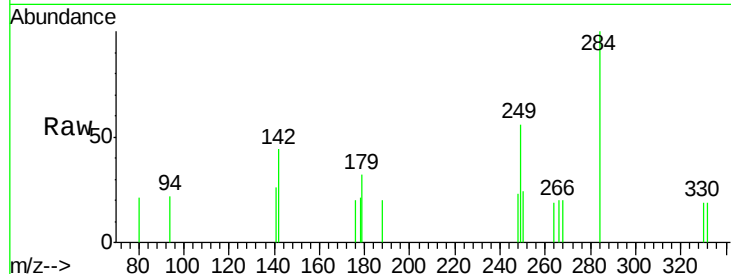




#21
Hexachlorobenzene
Concen: 0.222 ng
RT: 16.58 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

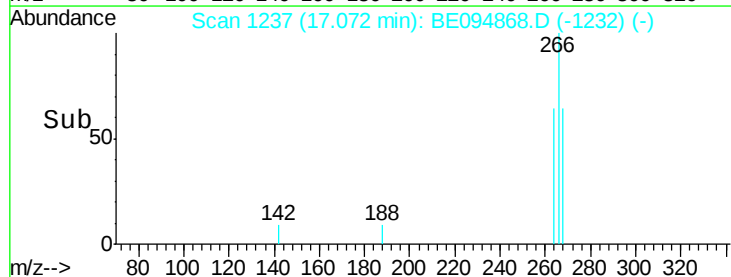
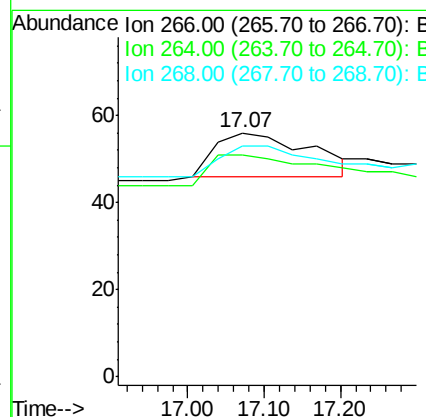
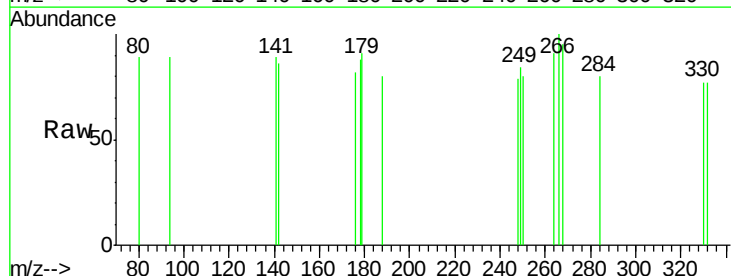
Instrument :
BNA_E
ClientSampleId :
PB104402BS

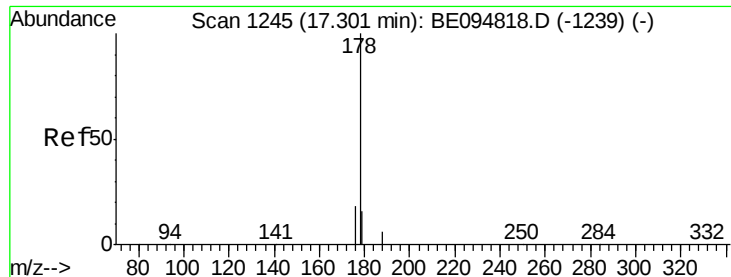
Tgt Ion: 284 Resp: 546
Ion Ratio Lower Upper
284 100
142 28.0 22.1 33.1
249 36.3 34.8 52.2



#22
Pentachlorophenol
Concen: 0.274 ng
RT: 17.07 min Scan# 1237
Delta R.T. 0.06 min
Lab File: BE094868.D
Acq: 27 Nov 2017 12:34

Tgt Ion: 266 Resp: 86
Ion Ratio Lower Upper
266 100
264 91.1 72.5 108.7
268 94.6 73.8 110.6





#23

Phenanthrene

Concen: 0.244 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

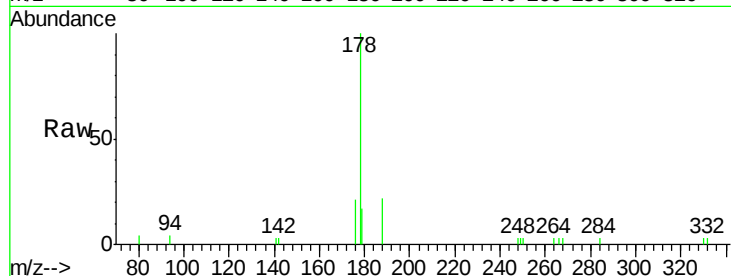
Tgt Ion:178 Resp: 3652

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

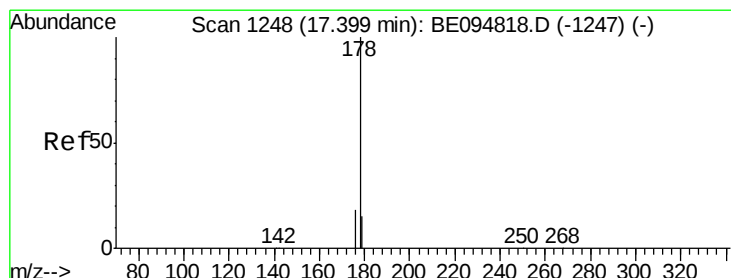
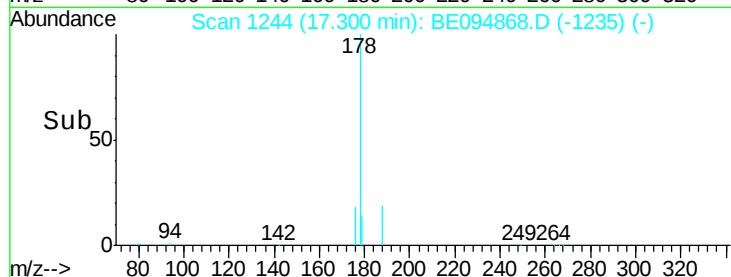
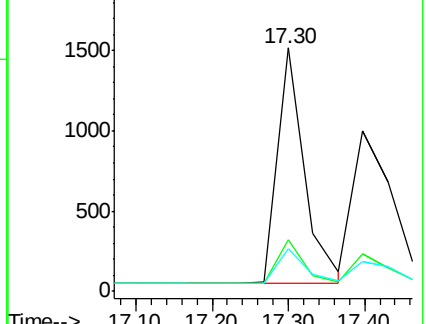
179 14.9 11.8 17.6



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: 0.230 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

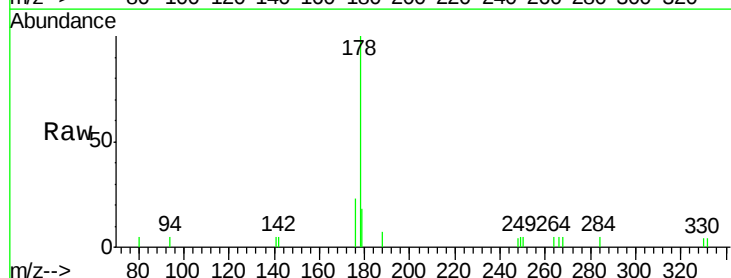
Tgt Ion:178 Resp: 3477

Ion Ratio Lower Upper

178 100

176 17.7 12.8 19.2

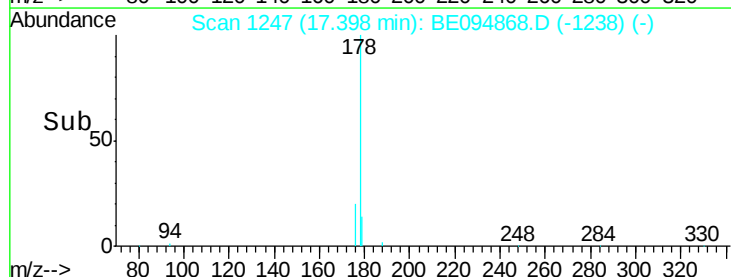
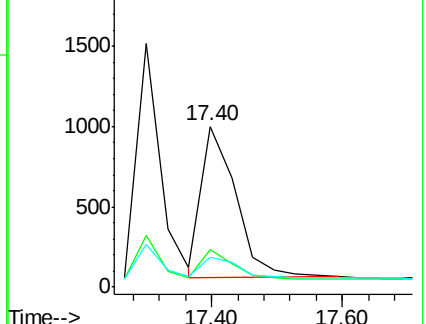
179 15.4 13.0 19.6

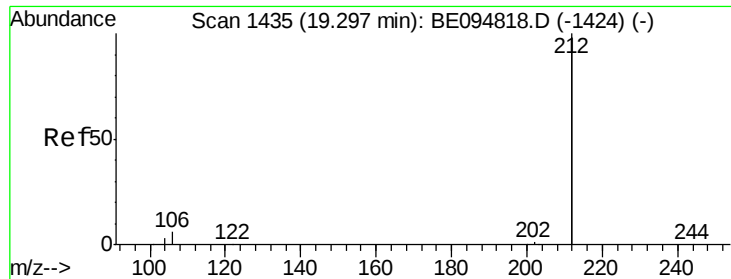


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.261 ng

RT: 19.30 min Scan# 1434

Delta R.T. 0.02 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

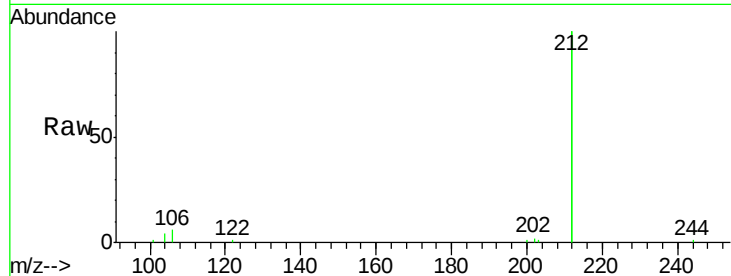
Tgt Ion:212 Resp: 18164

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

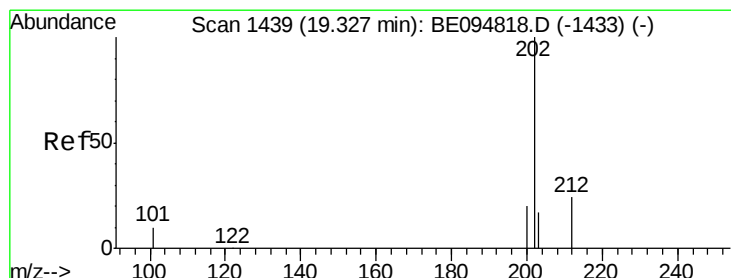
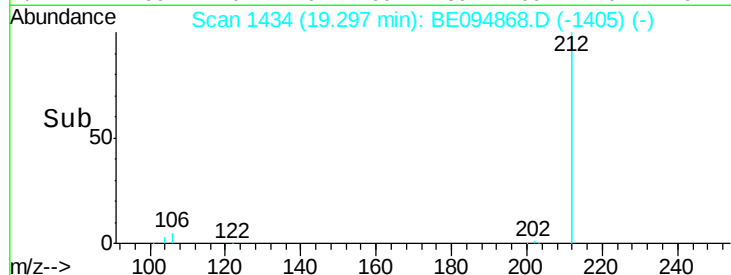
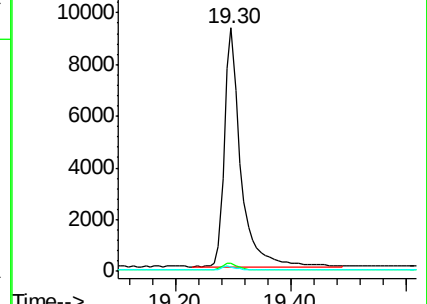
104 1.6 1.6 2.4#



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: 0.213 ng

RT: 19.33 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

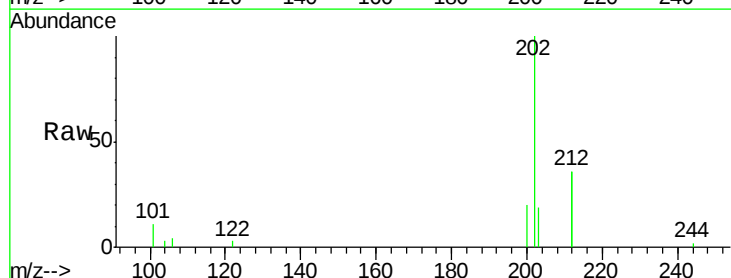
Tgt Ion:202 Resp: 4752

Ion Ratio Lower Upper

202 100

101 9.5 9.8 14.8#

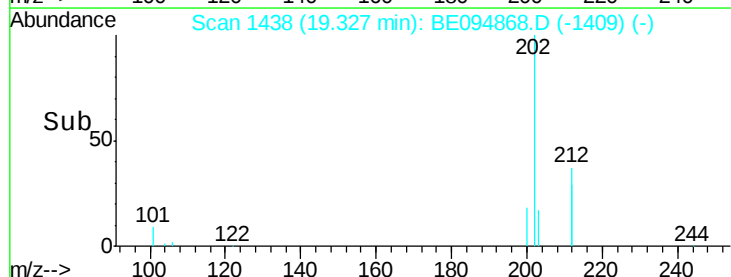
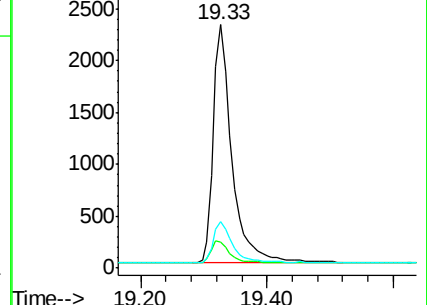
203 17.3 13.7 20.5

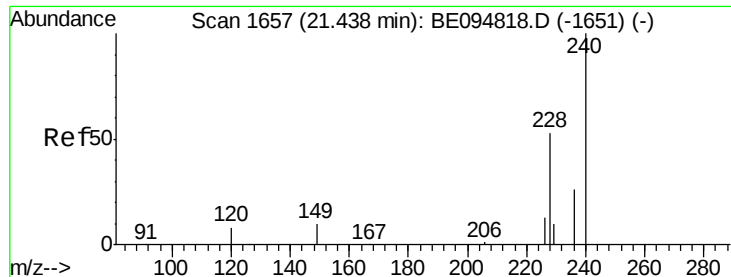


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.44 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

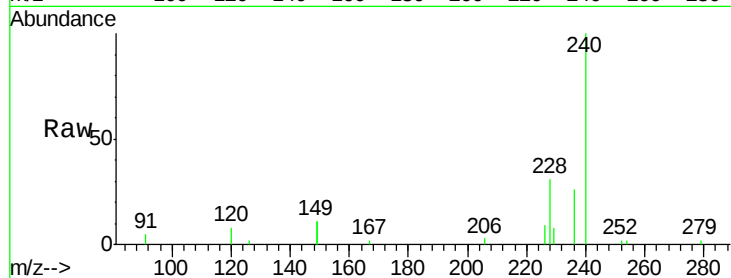
Tgt Ion:240 Resp: 6366

Ion Ratio Lower Upper

240 100

120 8.4 5.5 8.3#

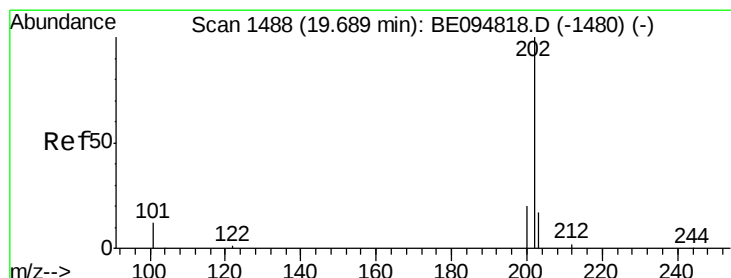
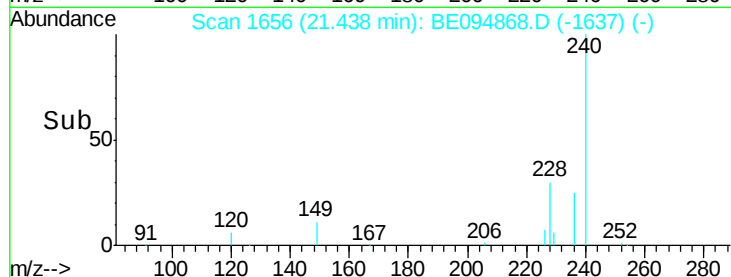
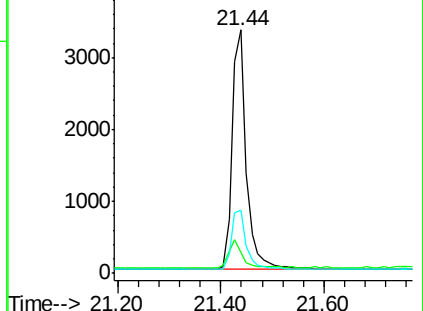
236 26.0 20.7 31.1



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: 0.223 ng

RT: 19.69 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

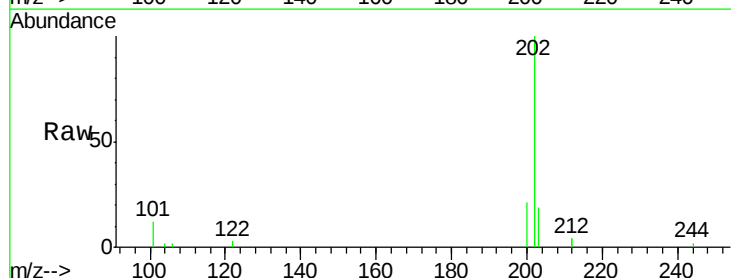
Tgt Ion:202 Resp: 4974

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

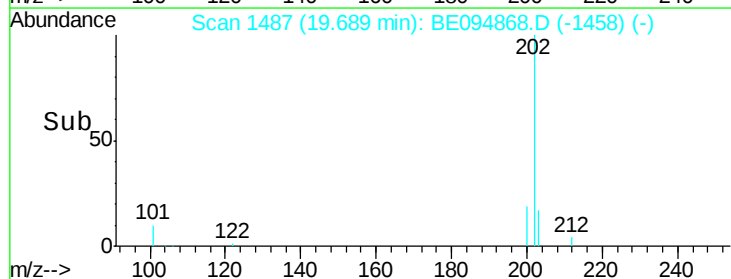
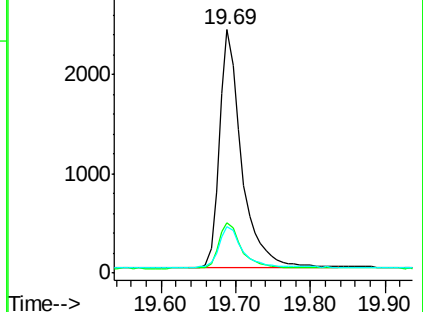
203 18.9 13.8 20.8

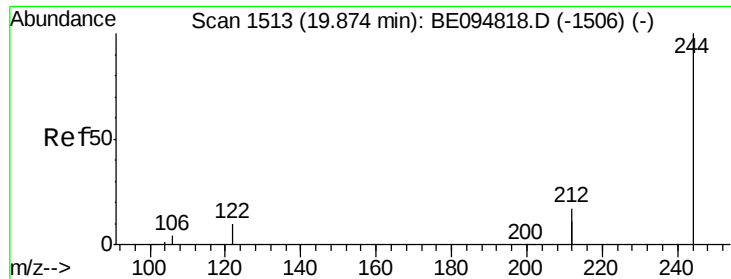


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.257 ng

RT: 19.87 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

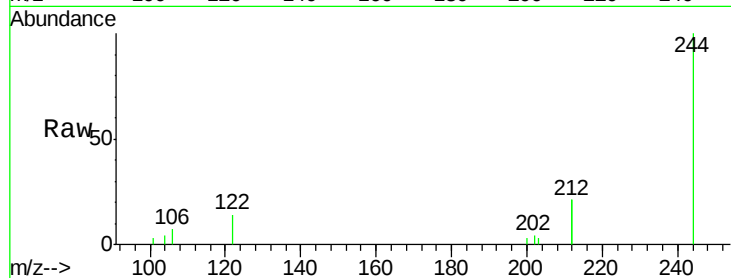
Tgt Ion:244 Resp: 3081

Ion Ratio Lower Upper

244 100

212 42.3 25.4 38.0#

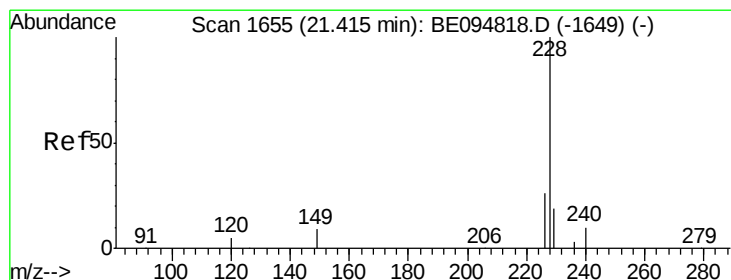
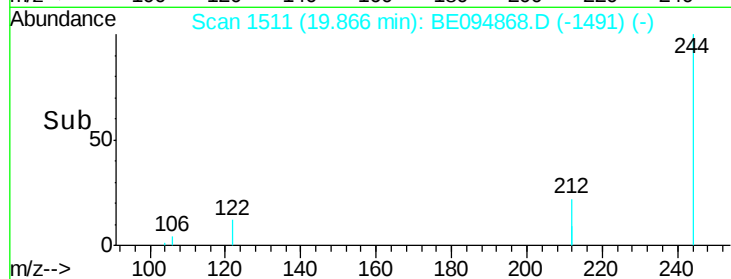
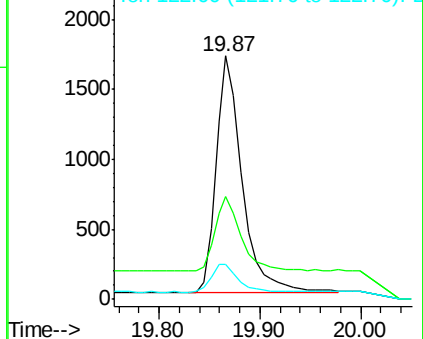
122 14.4 8.1 12.1#



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: 0.246 ng

RT: 21.42 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

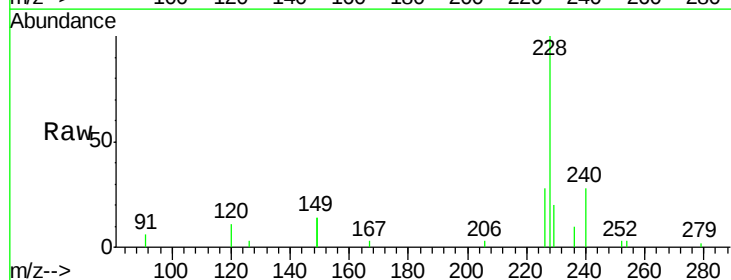
Tgt Ion:228 Resp: 5102

Ion Ratio Lower Upper

228 100

226 28.0 40.0 60.0#

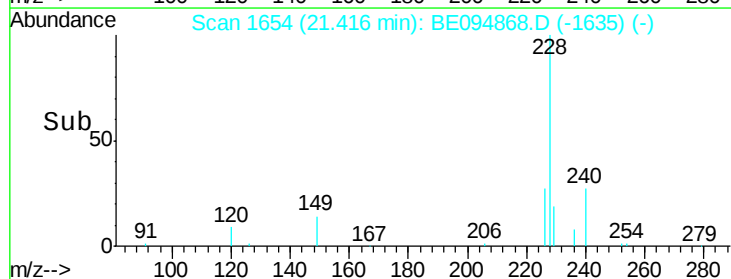
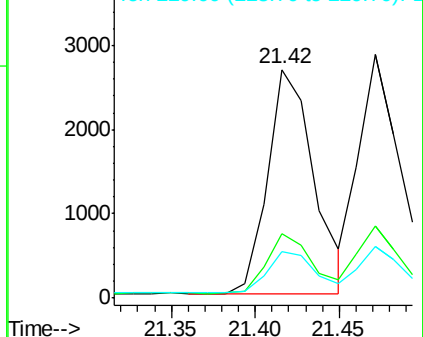
229 20.5 40.0 60.0#

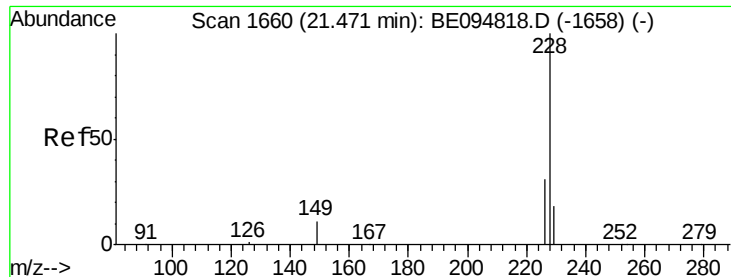


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.251 ng

RT: 21.47 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

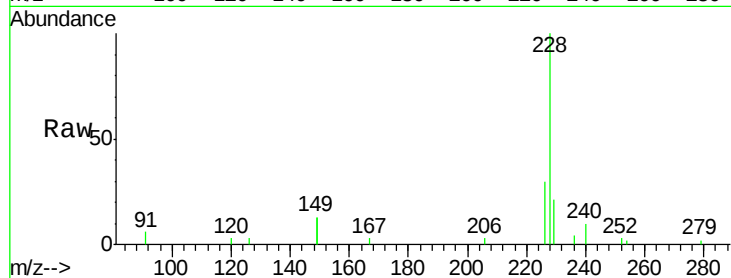
Tgt Ion:228 Resp: 5284

Ion Ratio Lower Upper

228 100

226 29.9 40.0 60.0#

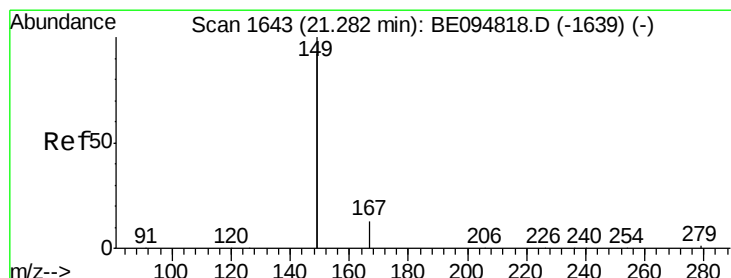
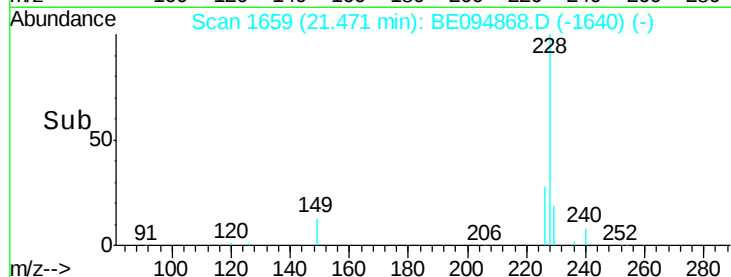
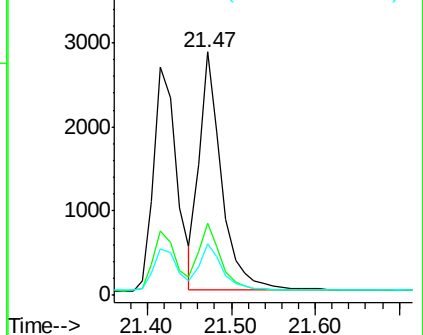
229 21.1 40.0 60.0#



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: 0.194 ng

RT: 21.27 min Scan# 1641

Delta R.T. -0.02 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

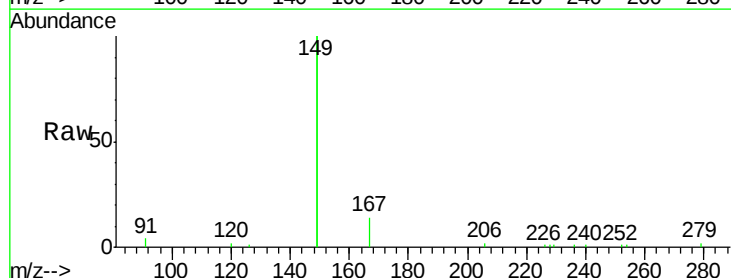
Tgt Ion:149 Resp: 9865

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

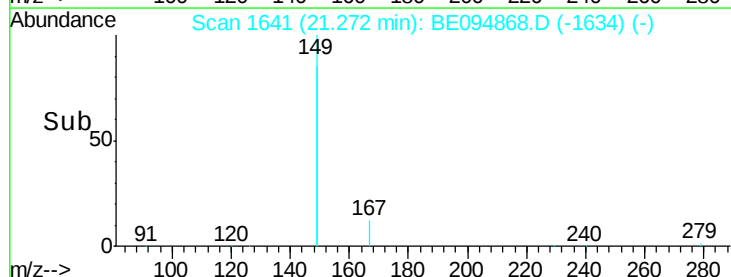
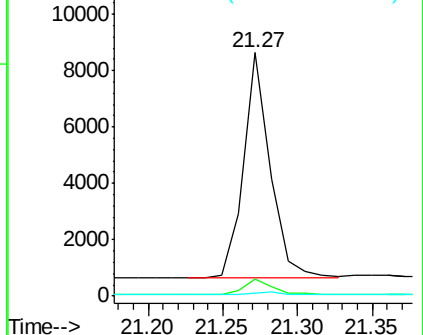
279 1.0 0.7 1.1

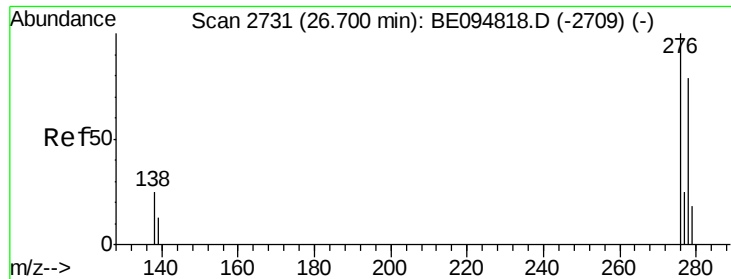


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.267 ng

RT: 26.70 min Scan# 2729

Delta R.T. 0.06 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

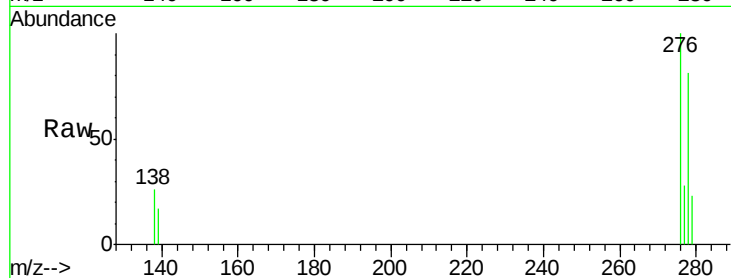
Tgt Ion:276 Resp: 5196

Ion Ratio Lower Upper

276 100

138 22.3 22.5 33.7#

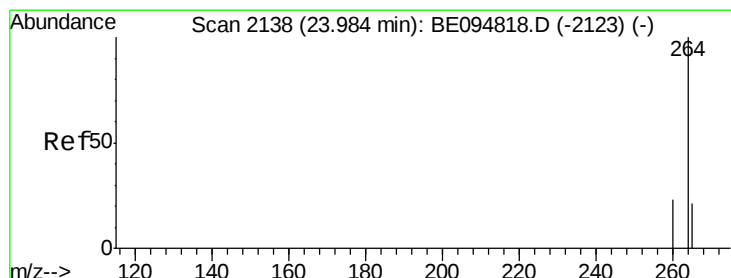
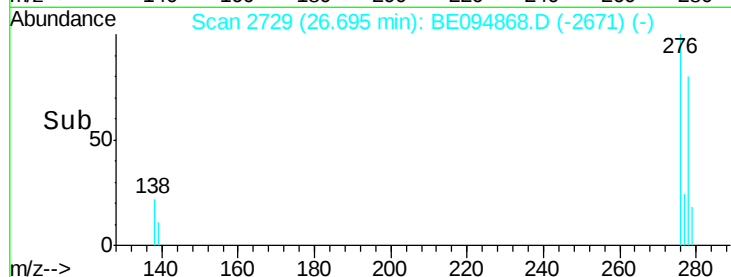
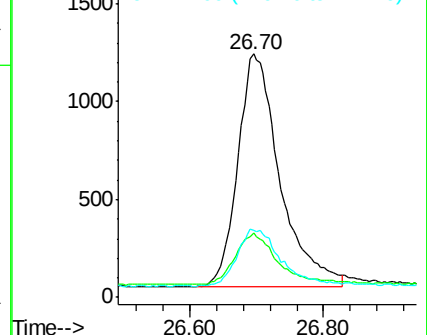
277 25.6 19.9 29.9



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# 2135

Delta R.T. 0.02 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

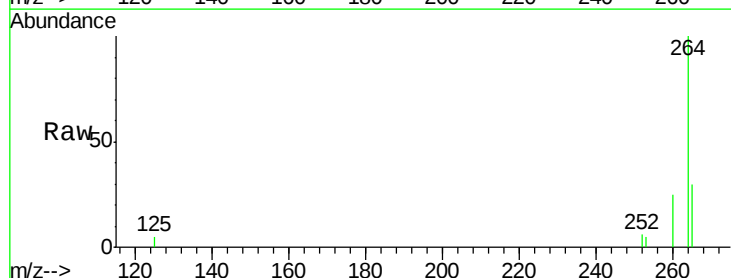
Tgt Ion:264 Resp: 6082

Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

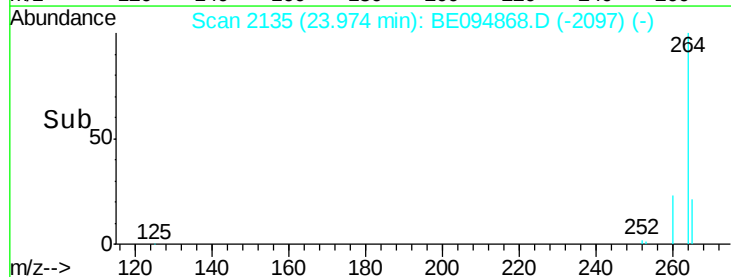
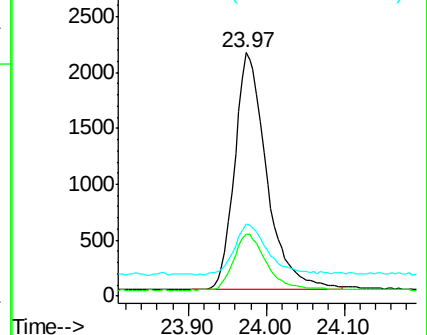
265 29.6 22.8 34.2

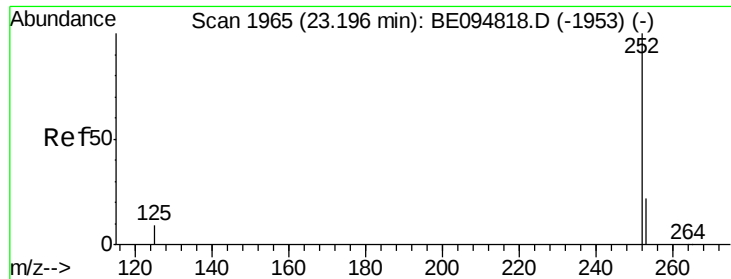


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.247 ng

RT: 23.20 min Scan# 1964

Delta R.T. 0.02 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

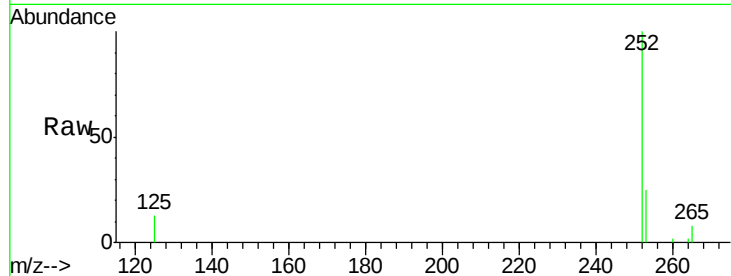
Tgt Ion:252 Resp: 4865

Ion Ratio Lower Upper

252 100

253 25.0 48.0 72.0#

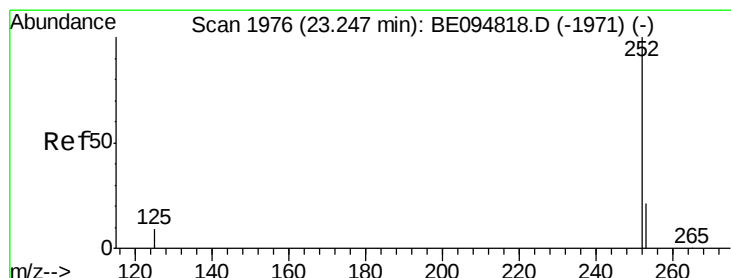
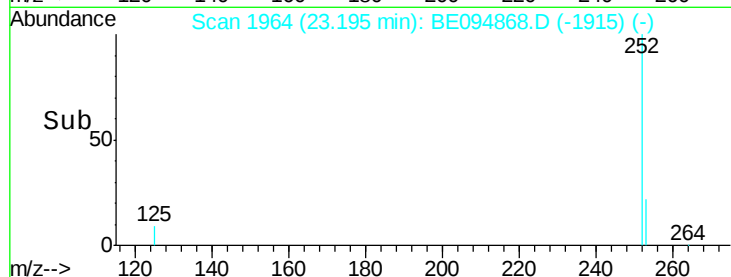
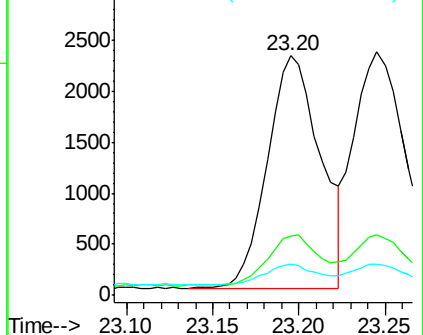
125 13.1 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.248 ng

RT: 23.25 min Scan# 1975

Delta R.T. 0.03 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

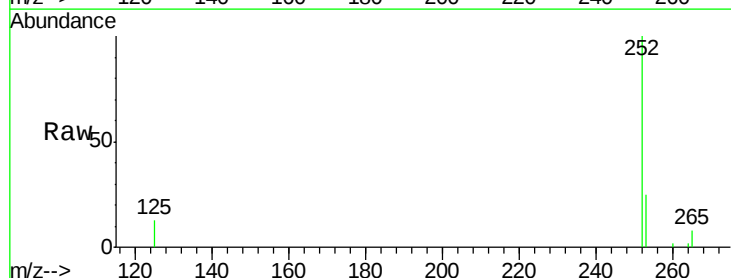
Tgt Ion:252 Resp: 5201

Ion Ratio Lower Upper

252 100

253 25.1 48.0 72.0#

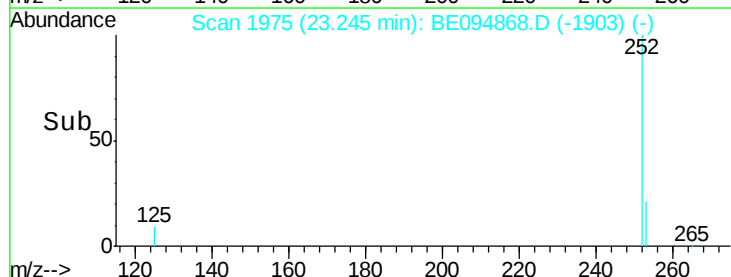
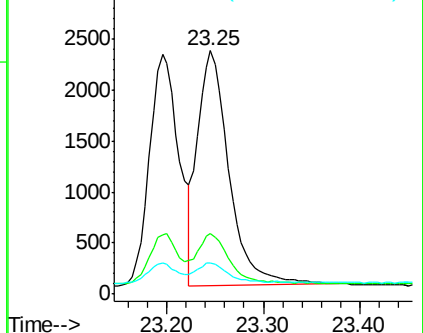
125 12.9 56.0 84.0#

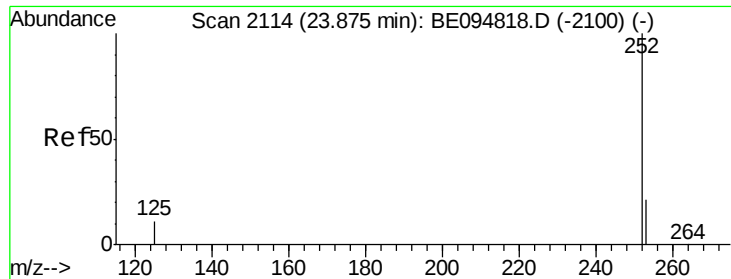


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.259 ng

RT: 23.87 min Scan# 2113

Delta R.T. 0.04 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

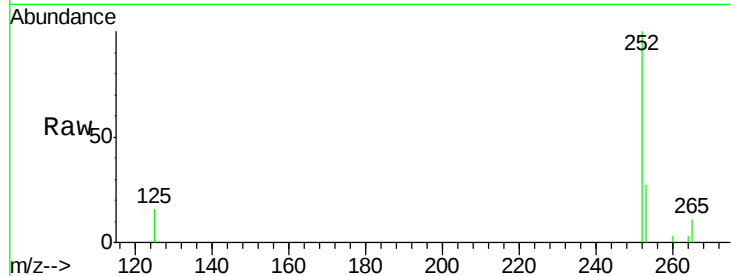
Tgt Ion:252 Resp: 4941

Ion Ratio Lower Upper

252 100

253 26.7 52.0 78.0#

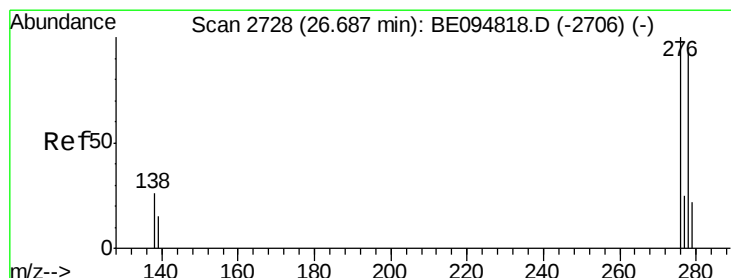
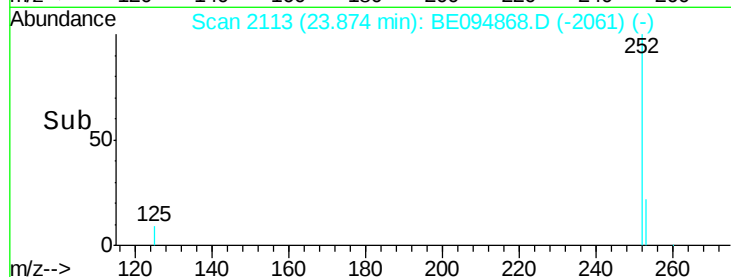
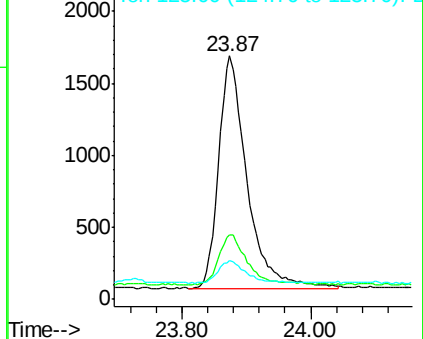
125 15.9 68.0 102.0#



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: 0.258 ng

RT: 26.69 min Scan# 2727

Delta R.T. 0.04 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

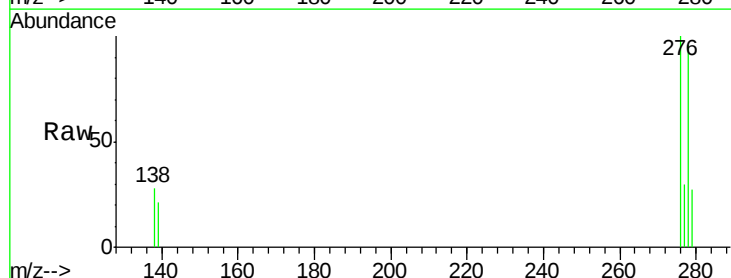
Tgt Ion:278 Resp: 4419

Ion Ratio Lower Upper

278 100

139 21.7 56.0 84.0#

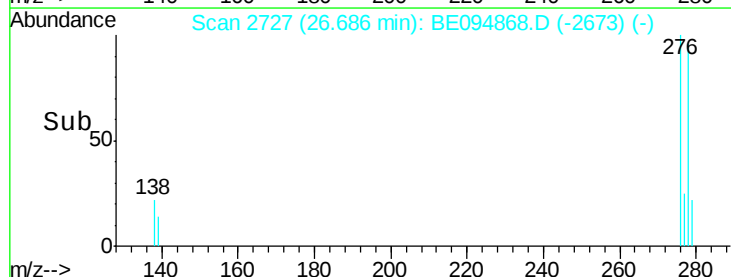
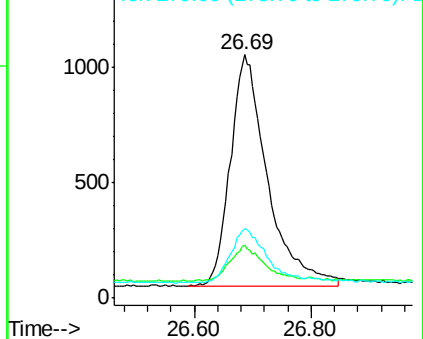
279 28.4 52.0 78.0#

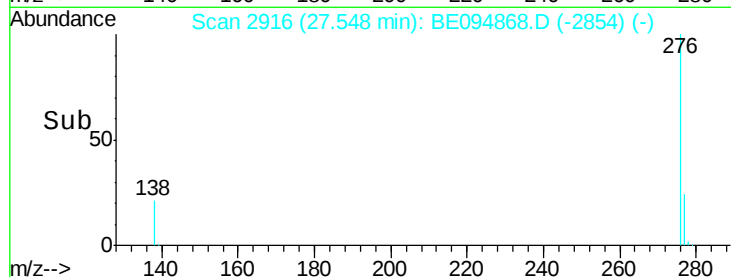
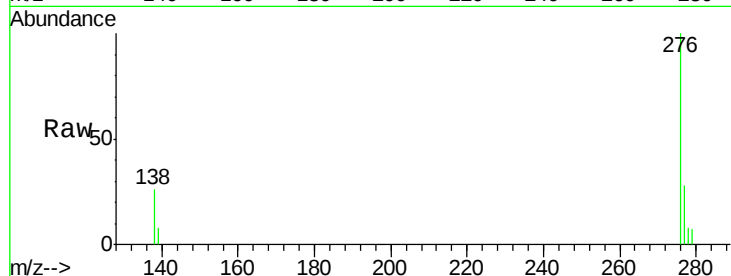
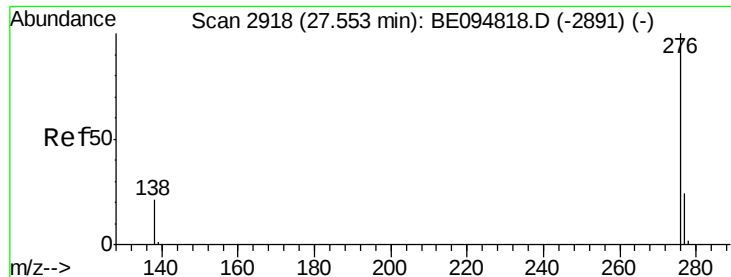


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.277 ng

RT: 27.55 min Scan# 2916

Delta R.T. 0.08 min

Lab File: BE094868.D

Acq: 27 Nov 2017 12:34

Instrument :

BNA_E

ClientSampleId :

PB104402BS

Tgt Ion:276 Resp: 4441

Ion Ratio Lower Upper

276 100

277 28.4 52.0 78.0#

138 26.5 44.0 66.0#

