

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094442.D
 Acq On : 19 Oct 2017 11:39
 Operator : SJ/JU
 Sample : PB103238BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB103238BS

Quant Time: Oct 20 12:38:14 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1190	0.40	ng	-0.02
7) Naphthalene-d8	10.71	136	6042	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3752	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	7136	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	9747	0.40	ng	0.00
34) Perylene-d12	23.95	264	9311	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	1536	0.38	ng	0.00
5) Phenol-d6	7.12	99	2169	0.35	ng	0.00
8) Nitrobenzene-d5	9.08	82	1954	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3846	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	473	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5083	0.38	ng	0.00
25) Fluoranthene-d10	19.28	212	43122	0.38	ng	0.00
29) Terphenyl-d14	19.87	244	7193	0.37	ng	0.00

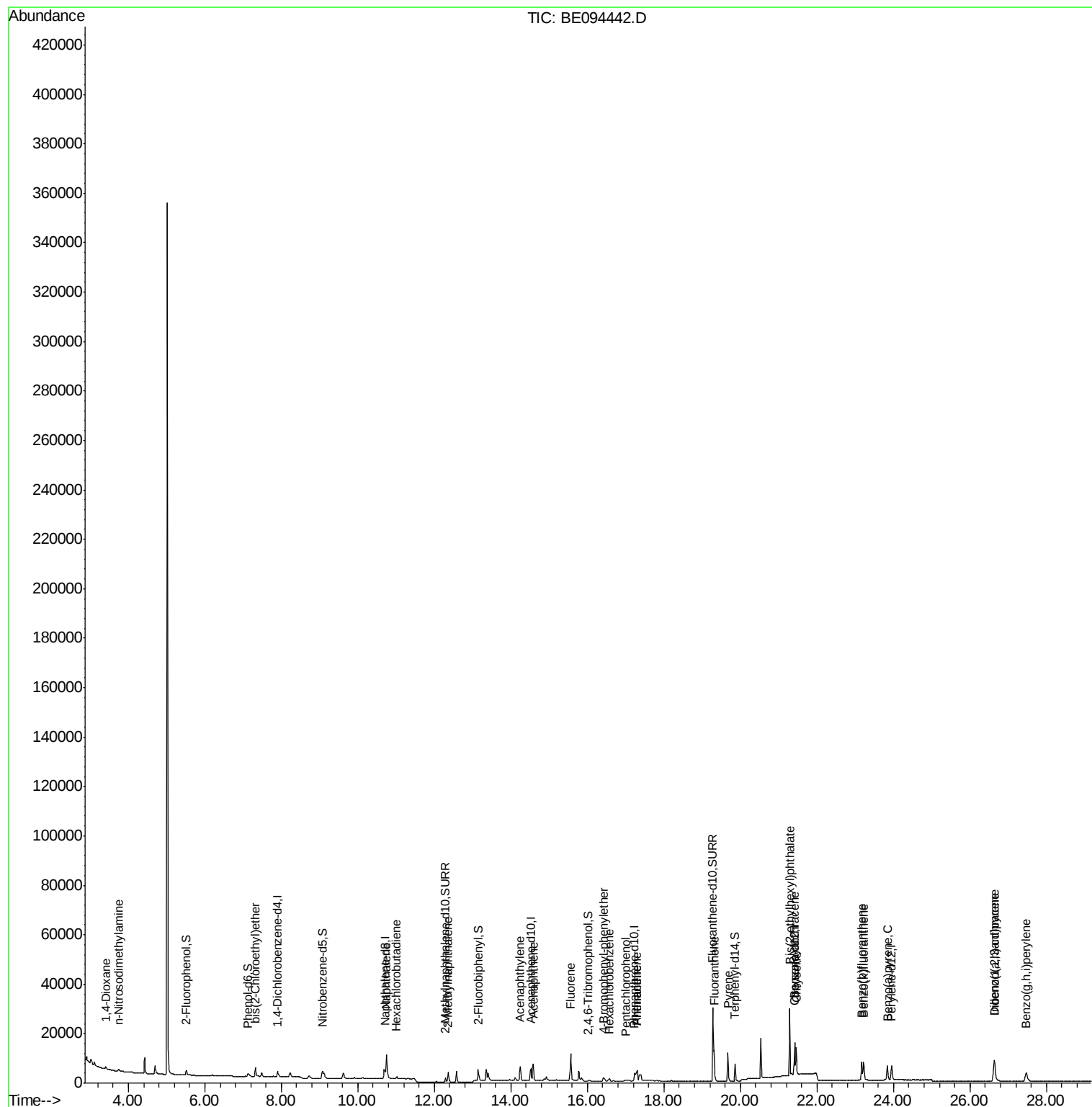
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	642	0.295	ng	# 11
3) n-Nitrosodimethylamine	3.74	42	956	0.462	ng	# 79
6) bis(2-Chloroethyl)ether	7.33	93	1489	0.321	ng	99
9) Naphthalene	10.74	128	23364	0.346	ng	99
10) Hexachlorobutadiene	11.01	225	854	0.316	ng	96
12) 2-Methylnaphthalene	12.36	142	4131	0.371	ng	99
16) Acenaphthylene	14.24	152	6964	0.342	ng	100
17) Acenaphthene	14.58	154	4346	0.339	ng	98
18) Fluorene	15.56	166	5872	0.355	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1216	0.341	ng	# 1
21) Hexachlorobenzene	16.58	284	1764	0.261	ng	# 57
22) Pentachlorophenol	17.01	266	307	0.565	ng	89
23) Phenanthrene	17.30	178	7745	0.276	ng	# 92
24) Anthracene	17.30	178	7730	0.356	ng	# 92
26) Fluoranthene	19.31	202	11238	0.322	ng	100
28) Pyrene	19.67	202	11665	0.317	ng	99
30) Benzo(a)anthracene	21.40	228	11543	0.342	ng	# 63
31) Chrysene	21.46	228	10787	0.332	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.29	149	29768	0.307	ng	99
33) Indeno(1,2,3-cd)pyrene	26.64	276	11481	0.351	ng	99
35) Benzo(b)fluoranthene	23.17	252	10495	0.332	ng	# 43
36) Benzo(k)fluoranthene	23.22	252	11130	0.358	ng	# 43
37) Benzo(a)pyrene	23.84	252	10102	0.340	ng	# 37
38) Dibenzo(a,h)anthracene	26.64	278	9747	0.347	ng	# 48
39) Benzo(g,h,i)perylene	27.47	276	9289	0.344	ng	# 57

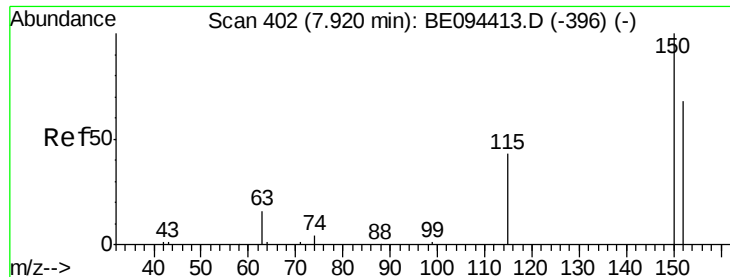
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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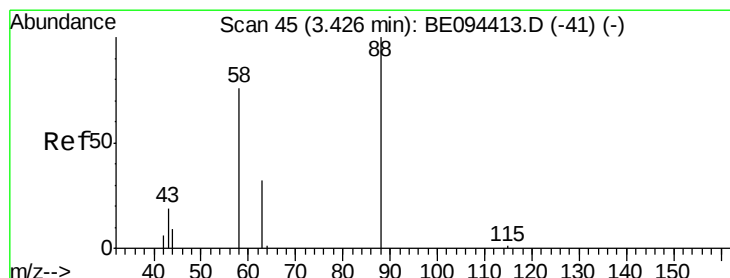
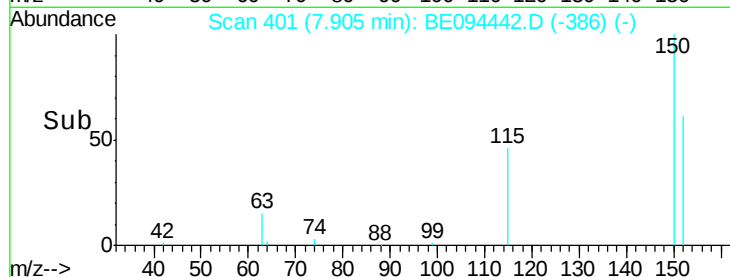
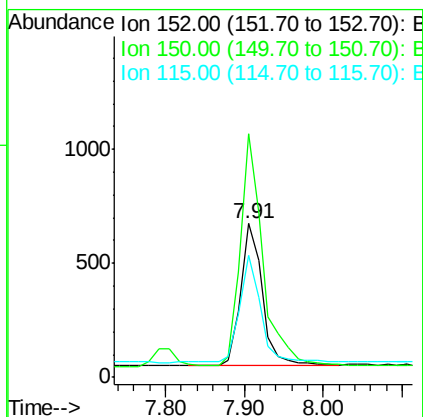
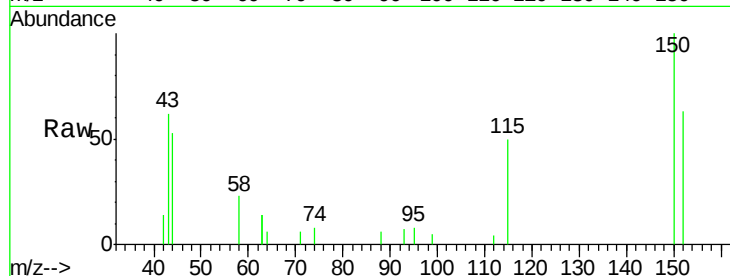


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BE094442.D
 Acq: 19 Oct 2017 11:39

Instrument :
 BNA_E
 ClientSampleId :
 PB103238BS

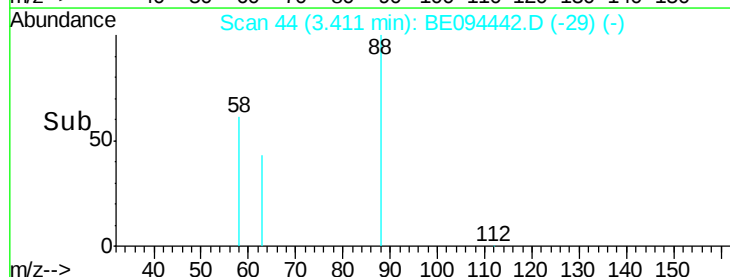
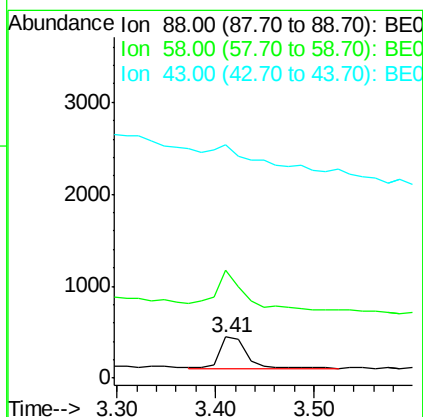
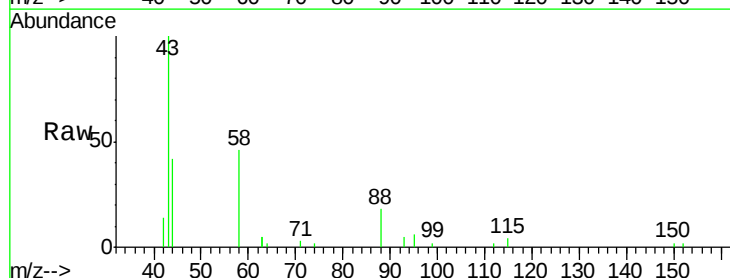
Tgt Ion: 152 Resp: 1190
 Ion Ratio Lower Upper
 152 100
 150 158.7 117.2 175.8
 115 79.2 57.0 85.6

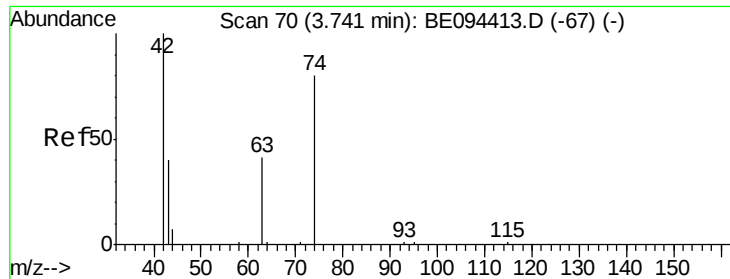


#2

1,4-Dioxane
 Concen: 0.295 ng
 RT: 3.41 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: BE094442.D
 Acq: 19 Oct 2017 11:39

Tgt Ion: 88 Resp: 642
 Ion Ratio Lower Upper
 88 100
 58 165.6 63.2 94.8#
 43 0.0 41.2 61.8#



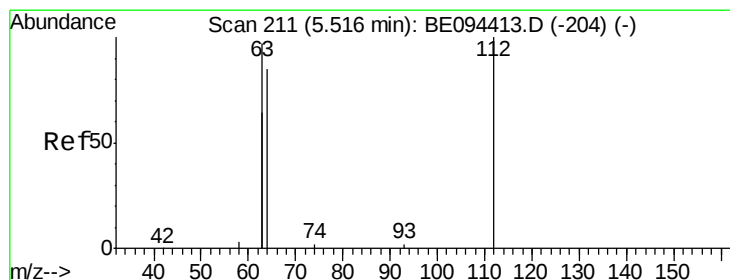
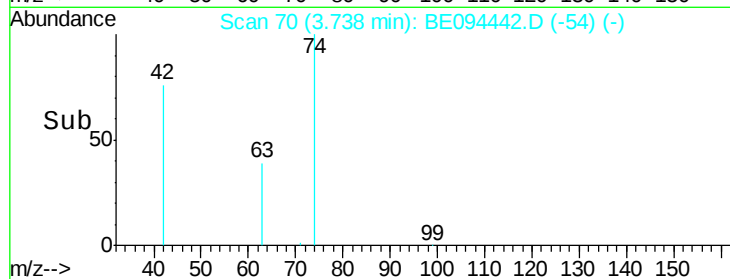
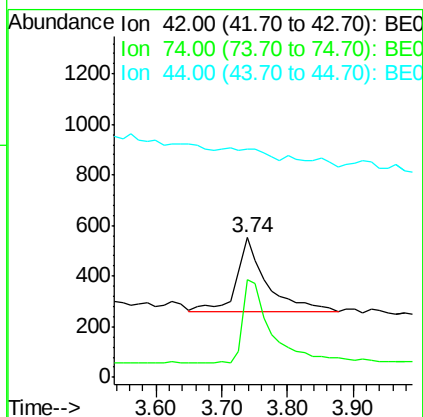
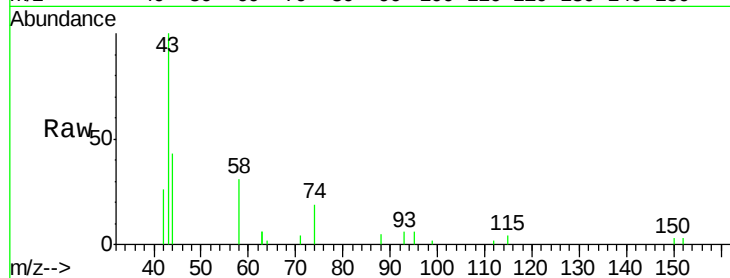


#3

n-Nitrosodimethylamine
 Concen: 0.462 ng
 RT: 3.74 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: BE094442.D
 Acq: 19 Oct 2017 11:39

Instrument :
 BNA_E
 ClientSampleId :
 PB103238BS

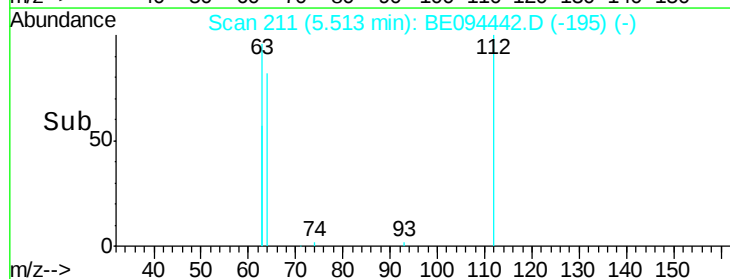
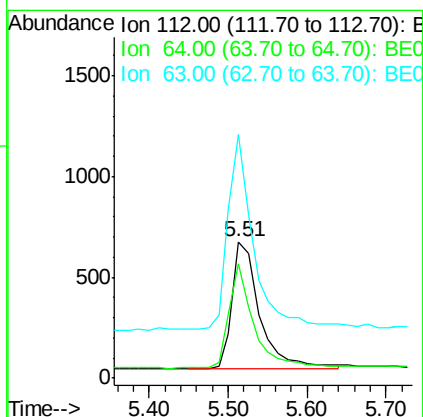
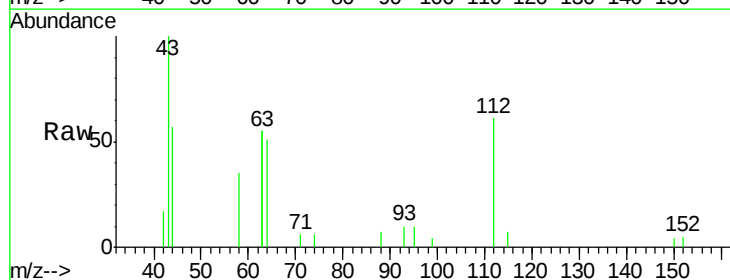
Tgt Ion: 42 Resp: 956
 Ion Ratio Lower Upper
 42 100
 74 106.0 100.3 150.5
 44 0.0 17.0 25.4#

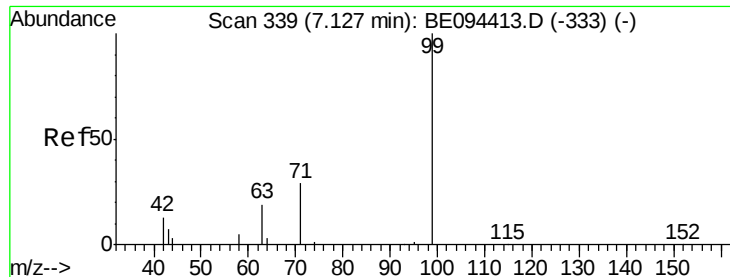


#4

2-Fluorophenol
 Concen: 0.382 ng
 RT: 5.51 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE094442.D
 Acq: 19 Oct 2017 11:39

Tgt Ion: 112 Resp: 1536
 Ion Ratio Lower Upper
 112 100
 64 74.5 60.1 90.1
 63 143.7 116.8 175.2





#5

Phenol-d6

Concen: 0.346 ng

RT: 7.12 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

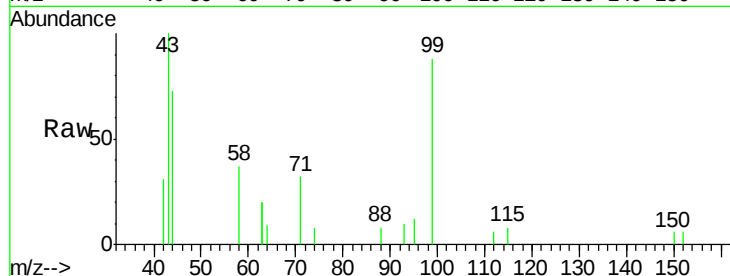
Tgt Ion: 99 Resp: 2169

Ion Ratio Lower Upper

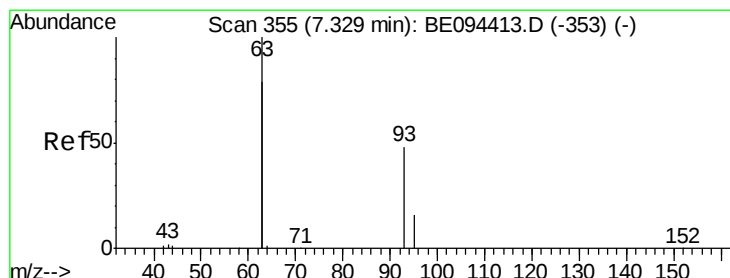
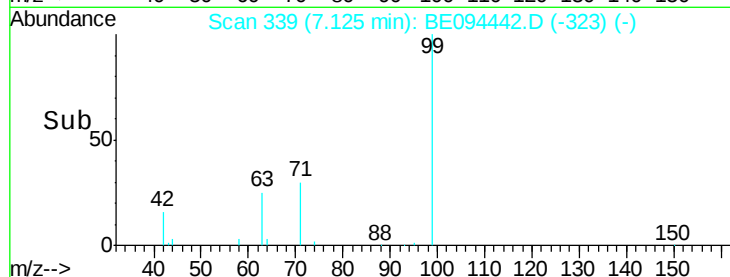
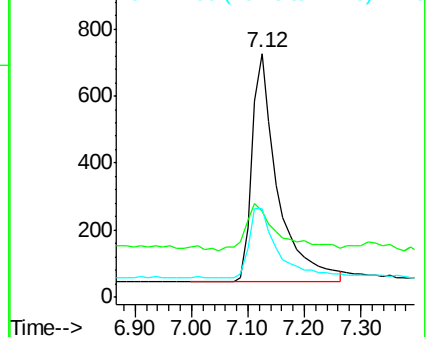
99 100

42 25.7 20.2 30.2

71 33.8 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.321 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

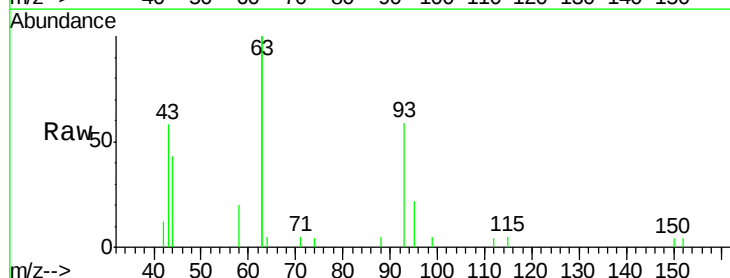
Tgt Ion: 93 Resp: 1489

Ion Ratio Lower Upper

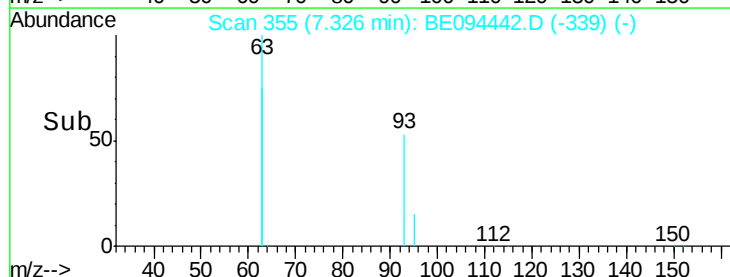
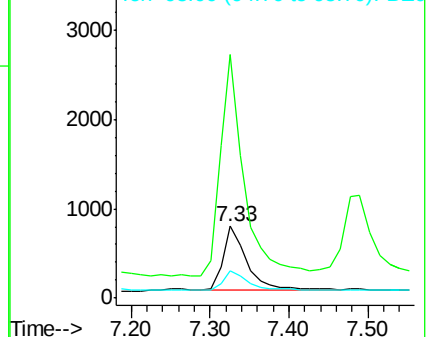
93 100

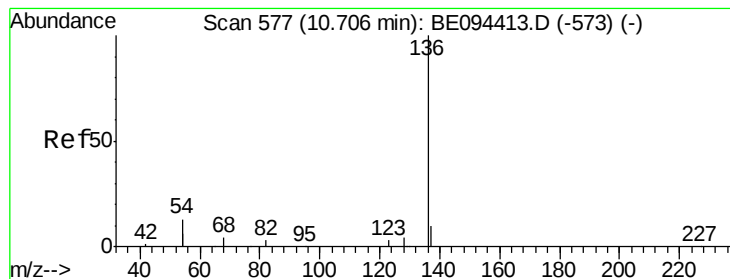
63 347.5 275.3 412.9

95 31.8 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

Tgt Ion:136 Resp: 6042

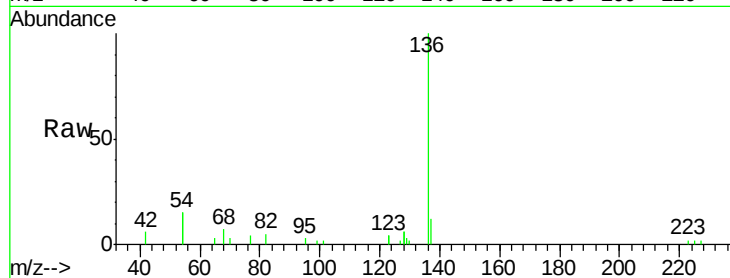
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 30.0 29.1 43.7

68 6.6 6.2 9.2

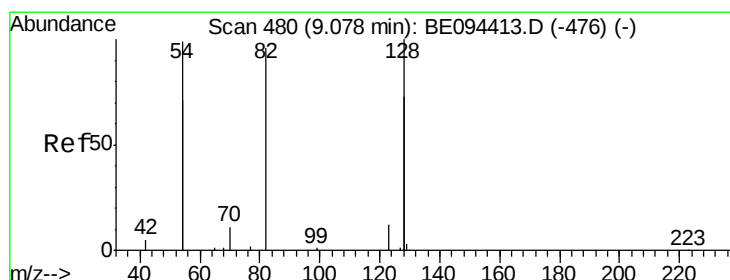
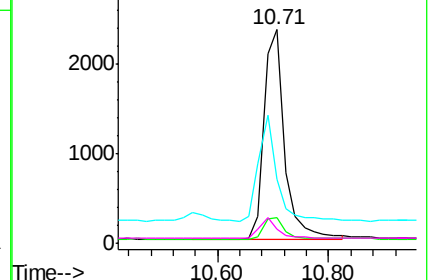
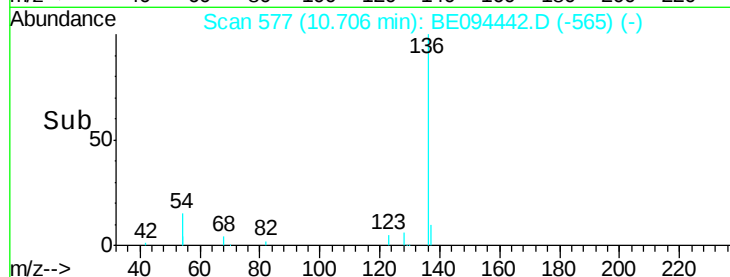


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.372 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

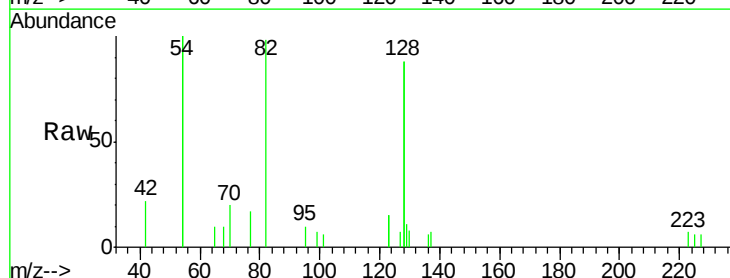
Tgt Ion: 82 Resp: 1954

Ion Ratio Lower Upper

82 100

128 179.2 150.0 225.0

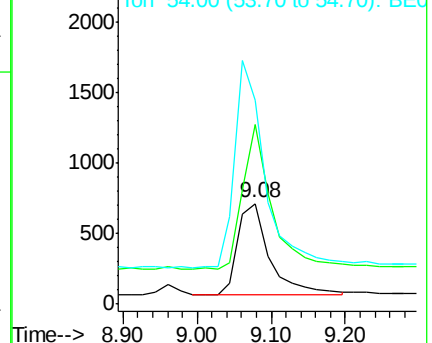
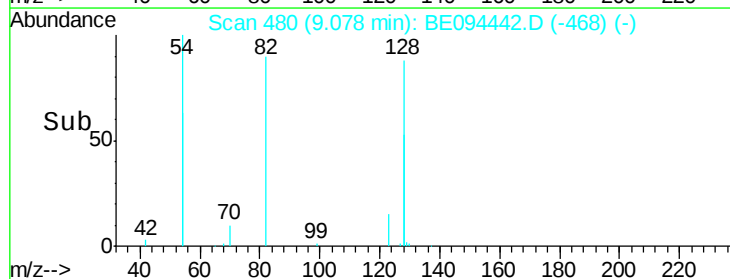
54 203.1 154.2 231.4

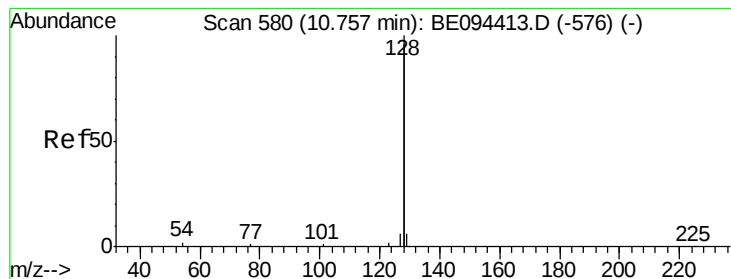


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.346 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

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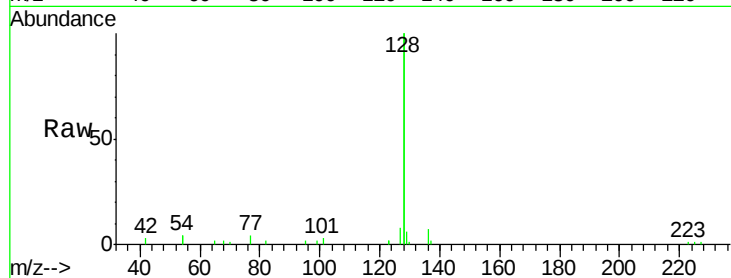
Tgt Ion:128 Resp: 23364

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

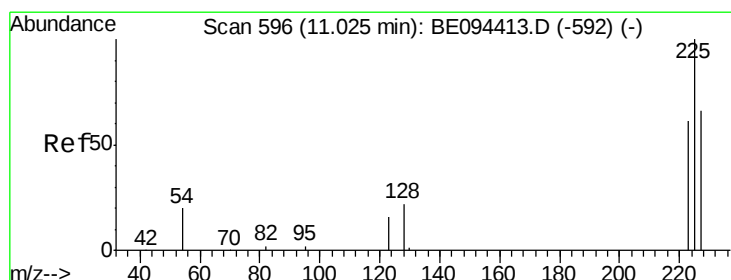
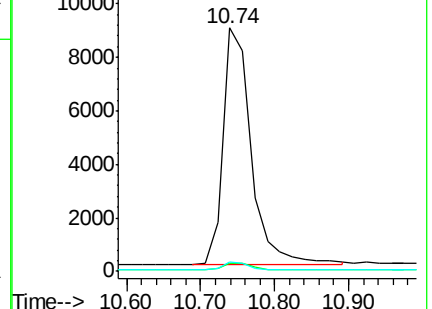
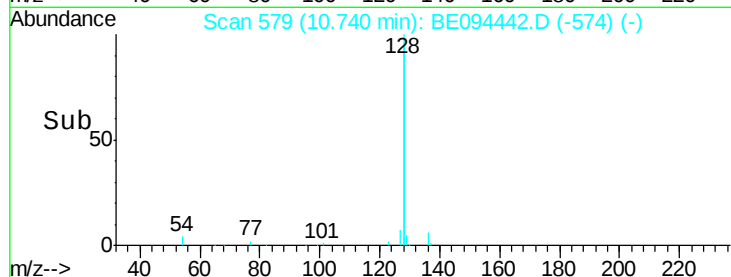
127 3.9 2.8 4.2



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: 0.316 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

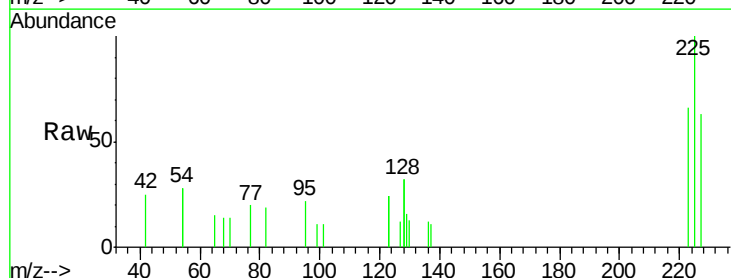
Tgt Ion:225 Resp: 854

Ion Ratio Lower Upper

225 100

223 60.7 53.0 79.6

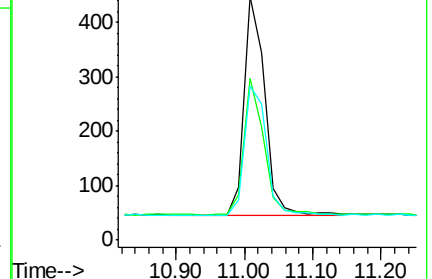
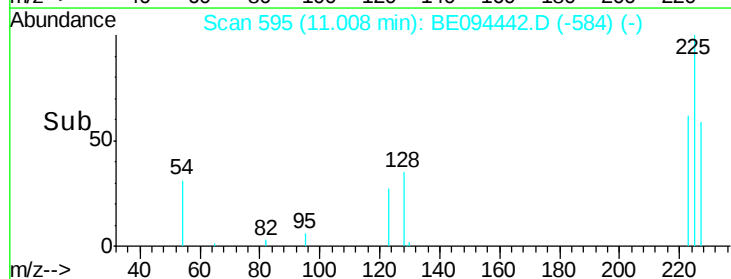
227 63.0 51.4 77.2

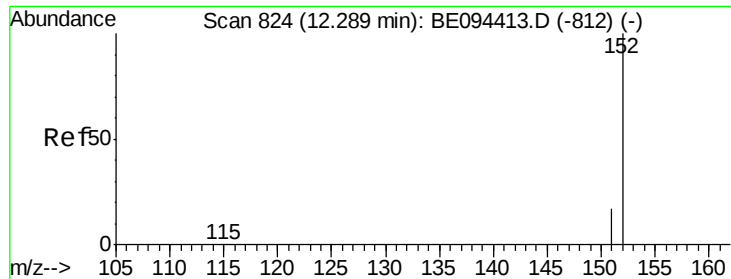


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

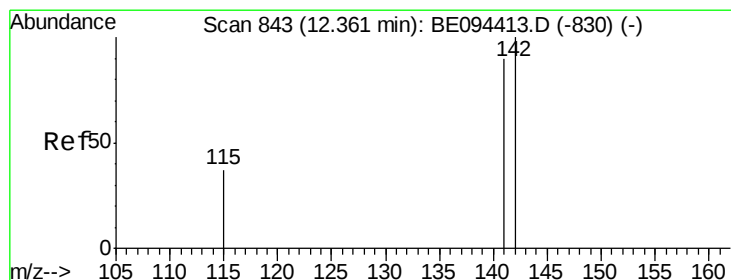
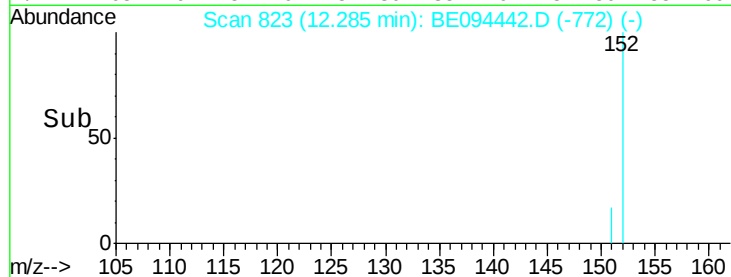
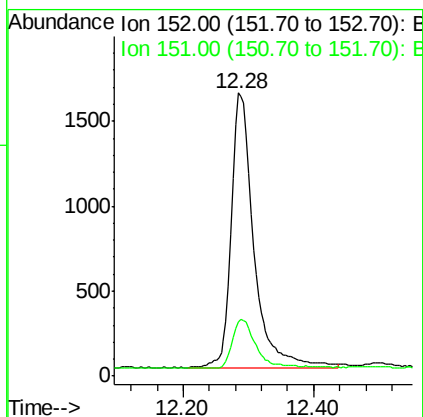
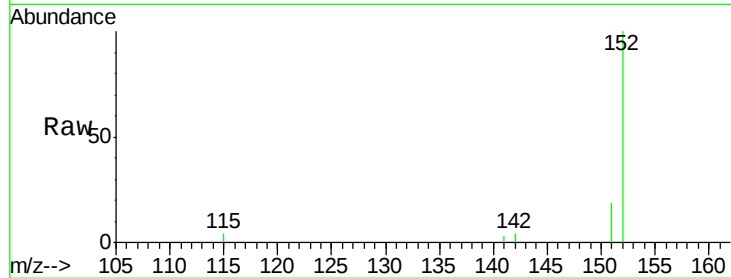




#11
 2-Methylnaphthalene-d10
 Concen: 0.413 ng
 RT: 12.28 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BE094442.D
 Acq: 19 Oct 2017 11:39

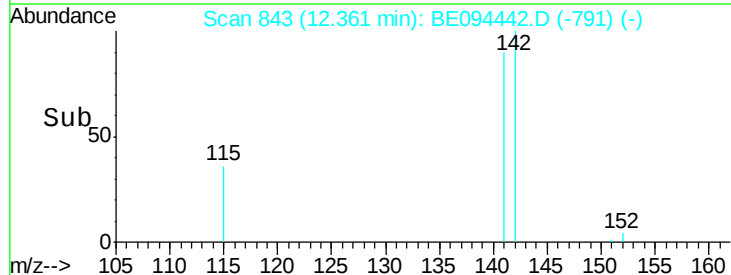
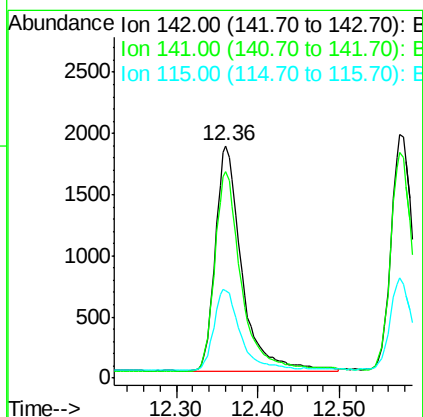
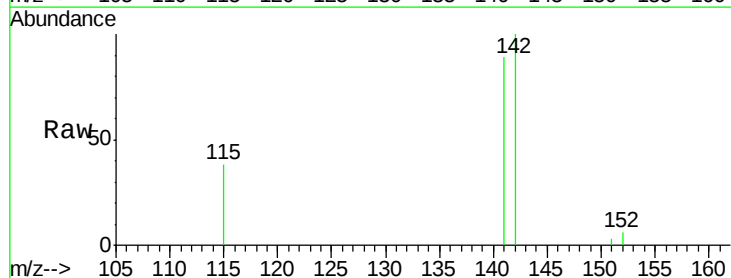
Instrument :
 BNA_E
 ClientSampleId :
 PB103238BS

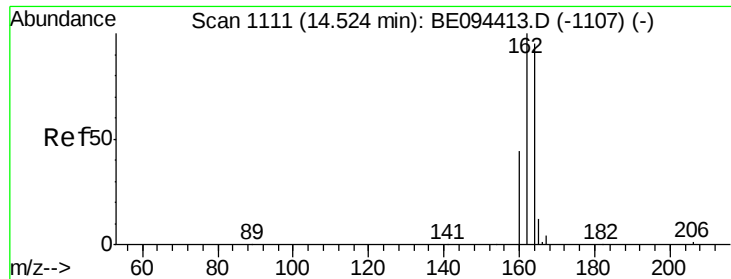
Tgt Ion:152 Resp: 3846
 Ion Ratio Lower Upper
 152 100
 151 17.4 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.371 ng
 RT: 12.36 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BE094442.D
 Acq: 19 Oct 2017 11:39

Tgt Ion:142 Resp: 4131
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.4 105.6
 115 37.9 31.7 47.5

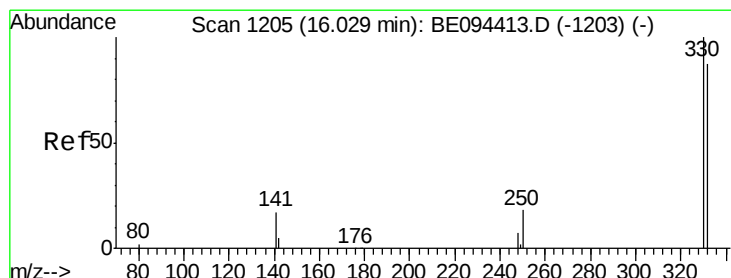
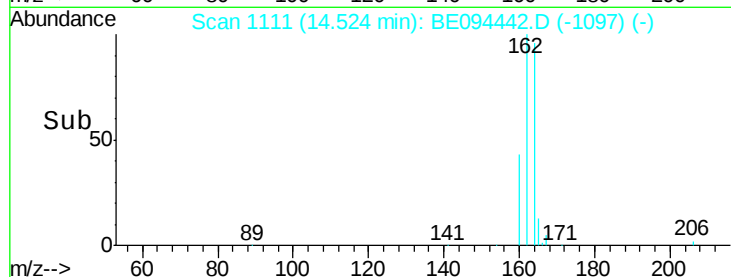
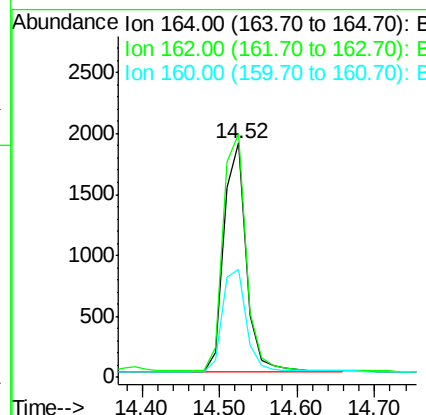
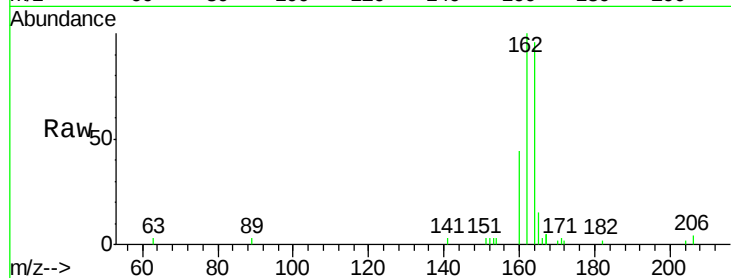




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094442.D
Acq: 19 Oct 2017 11:39

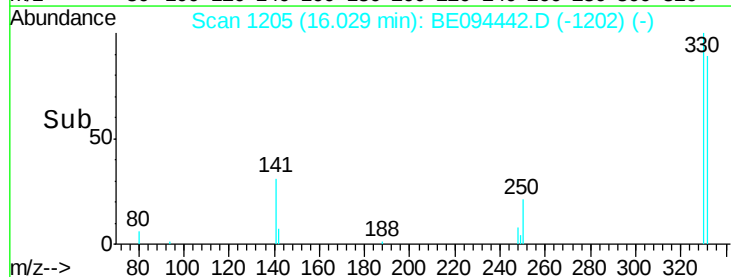
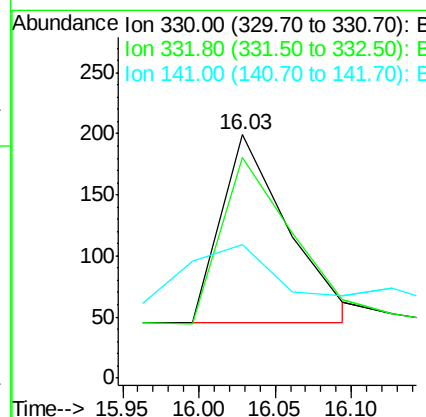
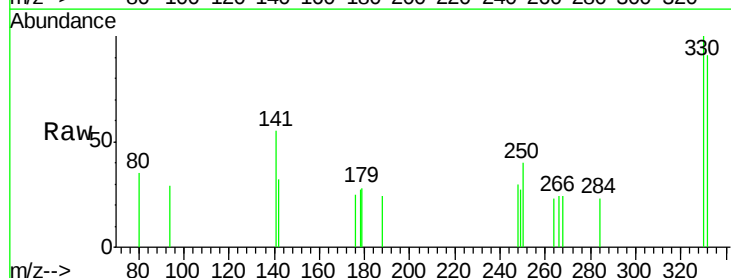
Instrument :
BNA_E
ClientSampleId :
PB103238BS

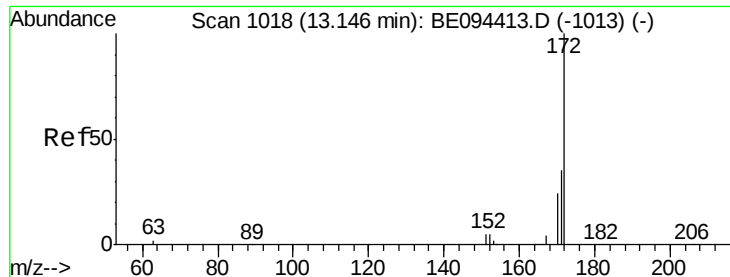
Tgt Ion:164 Resp: 3752
Ion Ratio Lower Upper
164 100
162 103.8 83.1 124.7
160 46.2 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 16.03 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE094442.D
Acq: 19 Oct 2017 11:39

Tgt Ion:330 Resp: 473
Ion Ratio Lower Upper
330 100
332 96.0 152.7 229.1#
141 0.0 33.7 50.5#

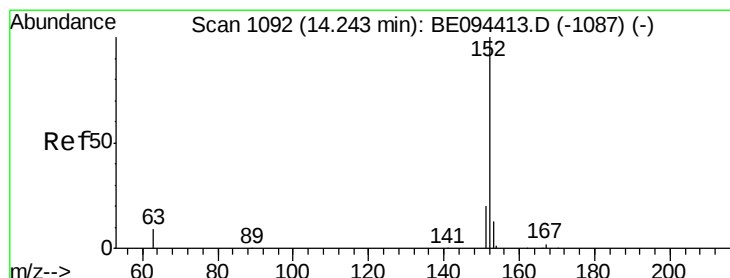
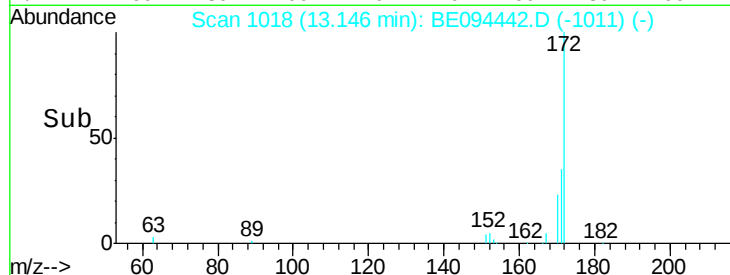
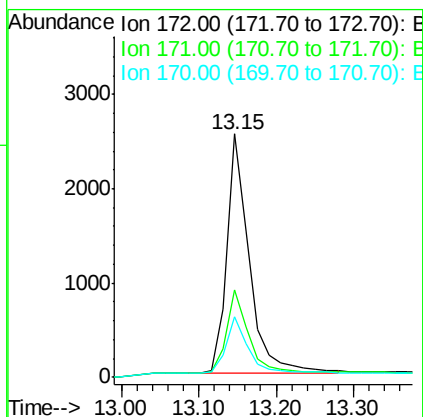
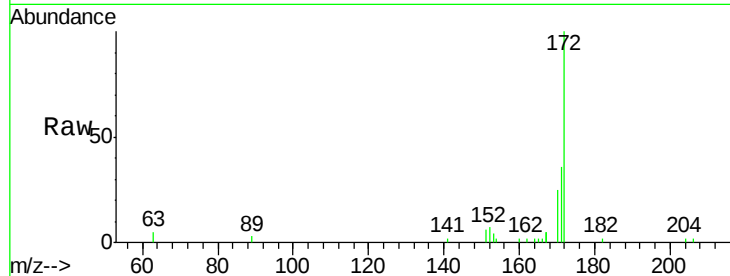




#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.15 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094442.D
Acq: 19 Oct 2017 11:39

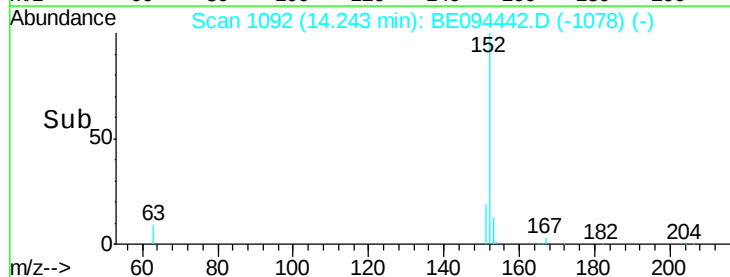
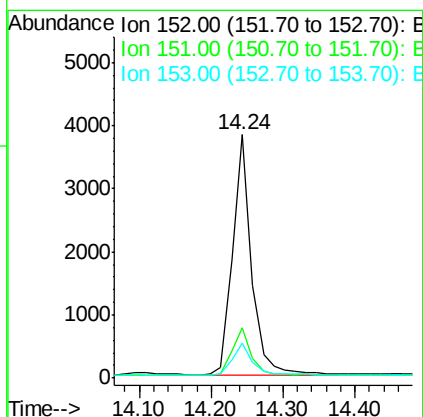
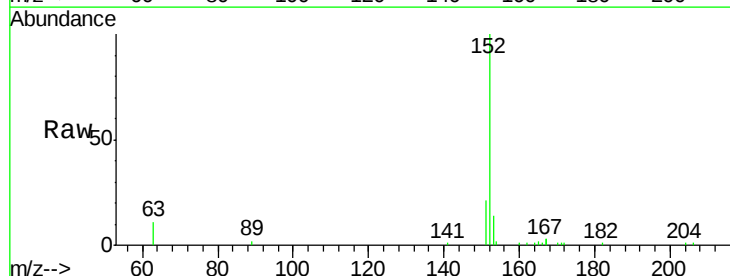
Instrument :
BNA_E
ClientSampleId :
PB103238BS

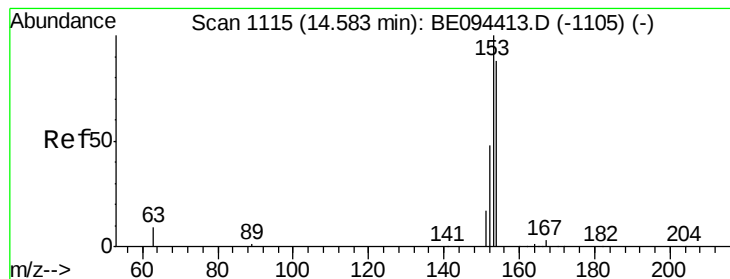
Tgt Ion:172 Resp: 5083
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 24.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.342 ng
RT: 14.24 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094442.D
Acq: 19 Oct 2017 11:39

Tgt Ion:152 Resp: 6964
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.339 ng

RT: 14.58 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

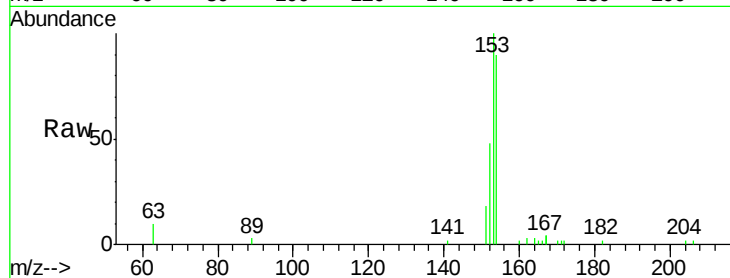
Tgt Ion:154 Resp: 4346

Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

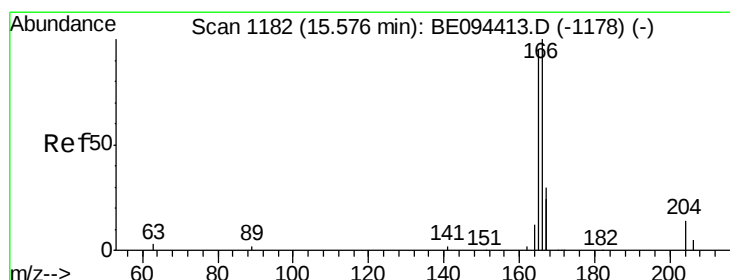
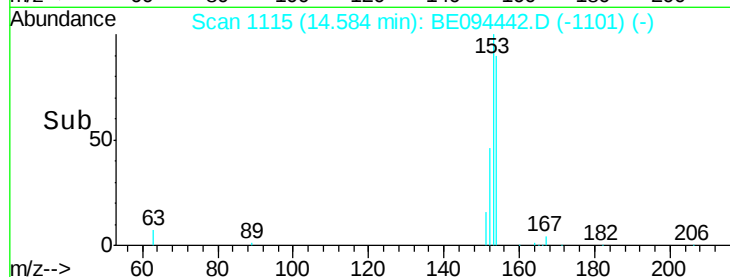
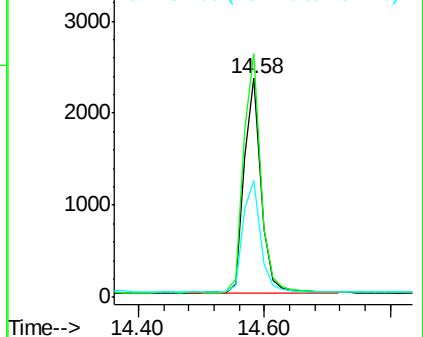
152 54.3 42.0 63.0



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: 0.355 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

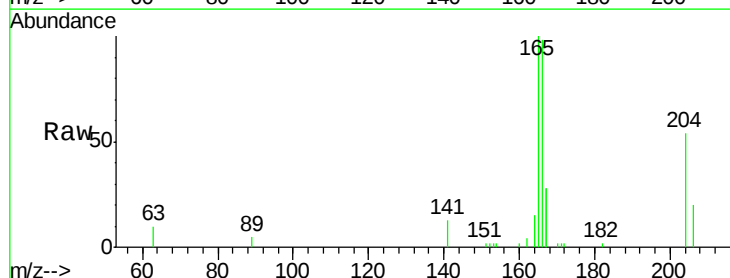
Tgt Ion:166 Resp: 5872

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

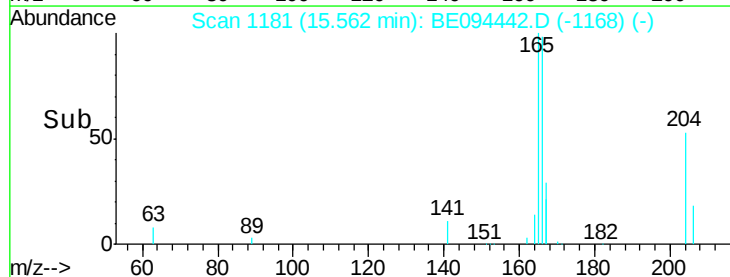
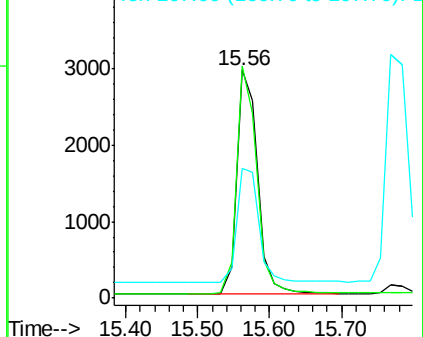
167 54.4 42.4 63.6

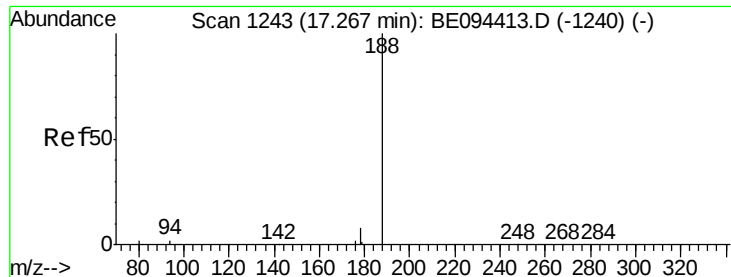


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1242

Delta R.T. -0.03 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

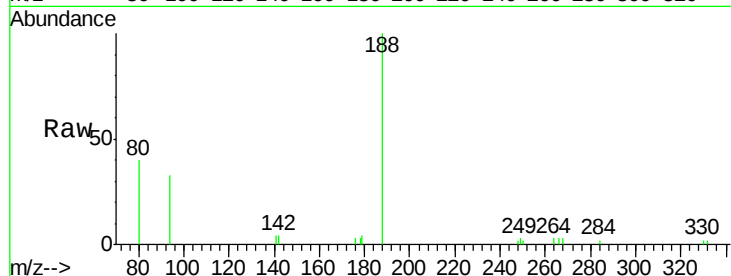
Tgt Ion:188 Resp: 7136

Ion Ratio Lower Upper

188 100

94 33.4 3.9 5.9#

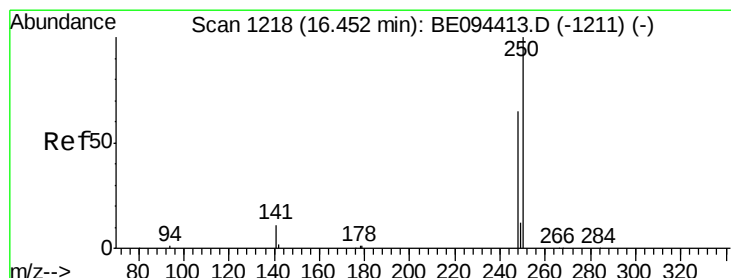
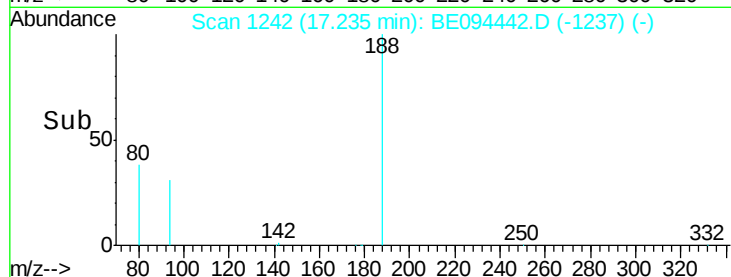
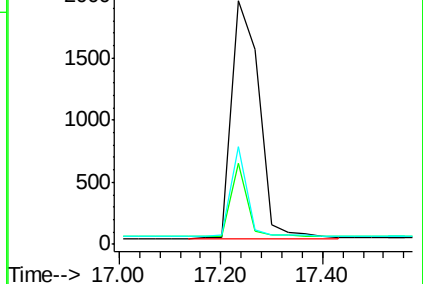
80 40.1 3.6 5.4#



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: 0.341 ng

RT: 16.42 min Scan# 1217

Delta R.T. -0.03 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

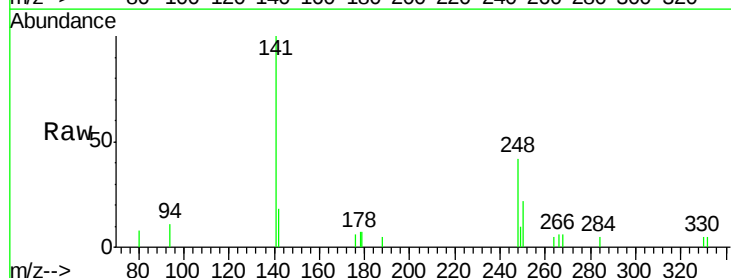
Tgt Ion:248 Resp: 1216

Ion Ratio Lower Upper

248 100

250 52.2 62.7 94.1#

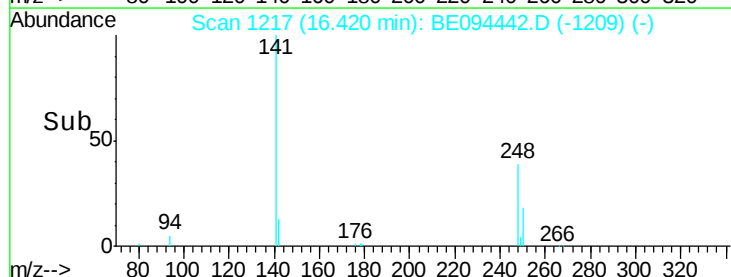
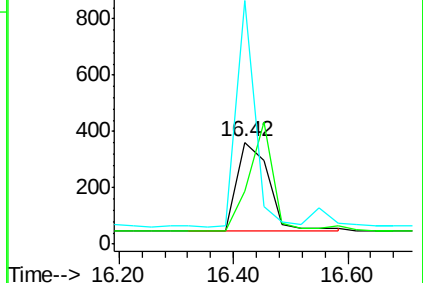
141 239.0 48.2 72.2#

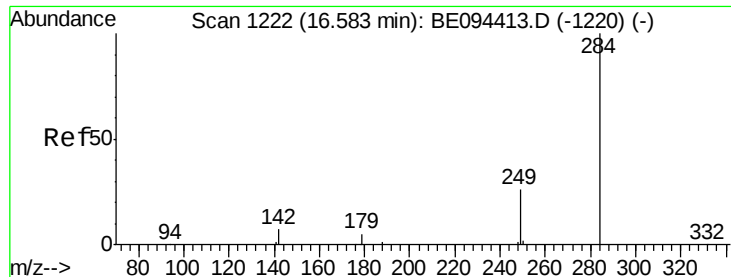


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.261 ng

RT: 16.58 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

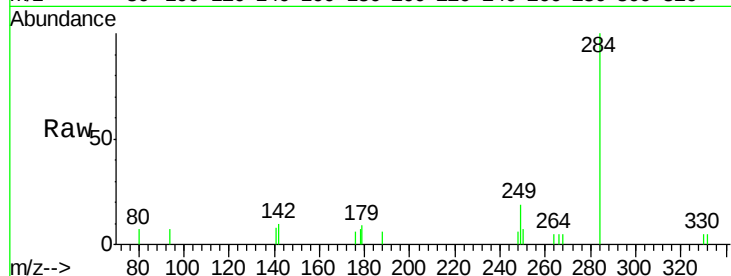
Tgt Ion:284 Resp: 1764

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

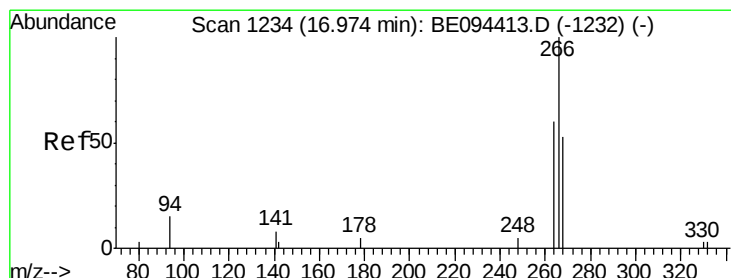
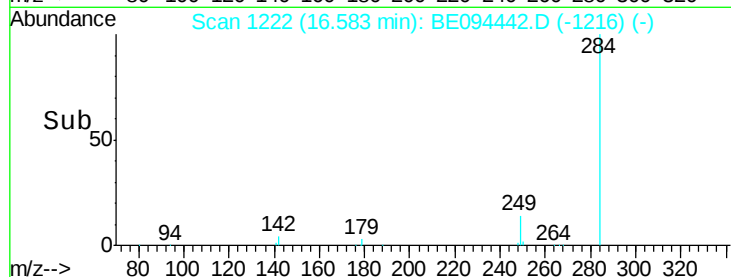
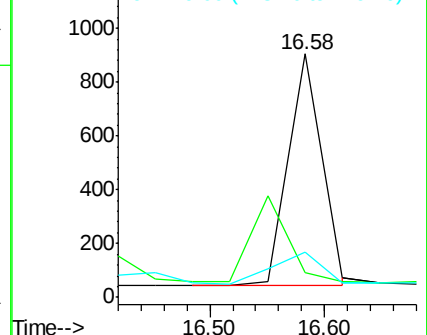
249 19.6 34.8 52.2#



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: 0.565 ng

RT: 17.01 min Scan# 1235

Delta R.T. 0.03 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

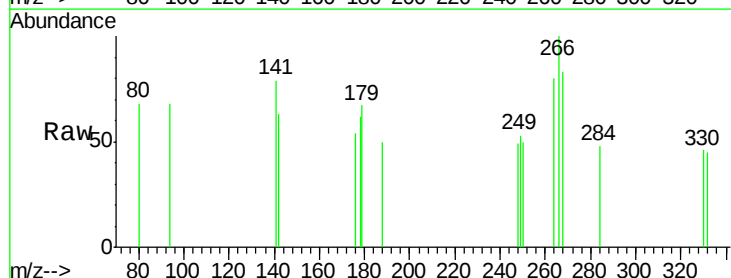
Tgt Ion:266 Resp: 307

Ion Ratio Lower Upper

266 100

264 79.6 72.5 108.7

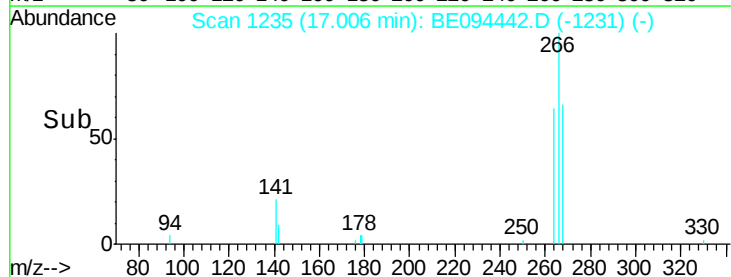
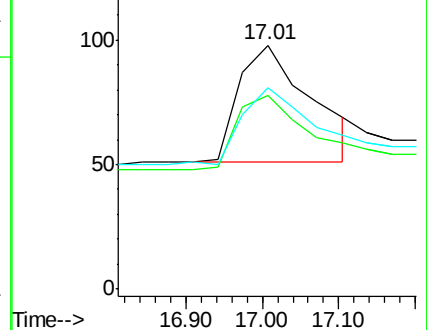
268 82.7 73.8 110.6

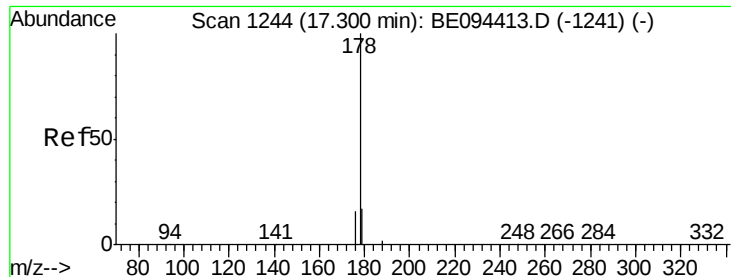


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.276 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

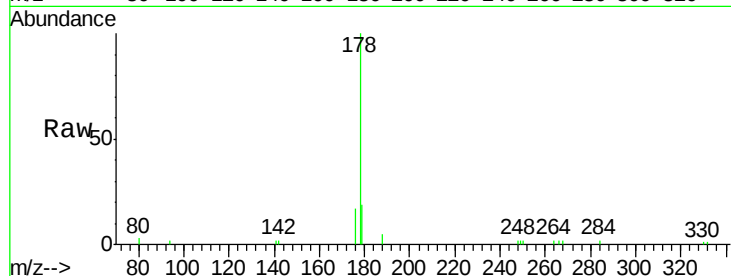
Tgt Ion:178 Resp: 7745

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

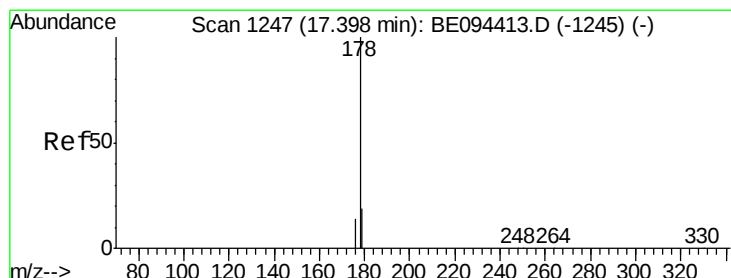
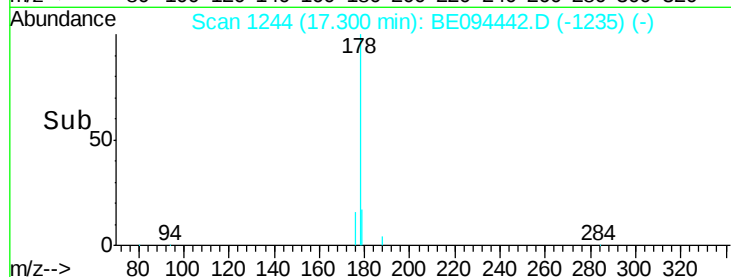
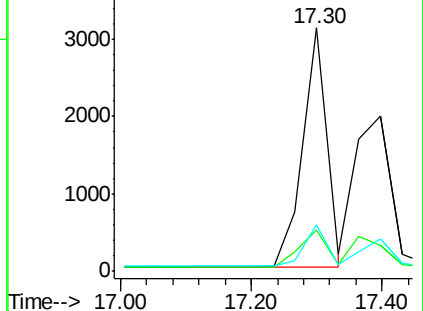
179 21.4 11.8 17.6#



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: 0.356 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

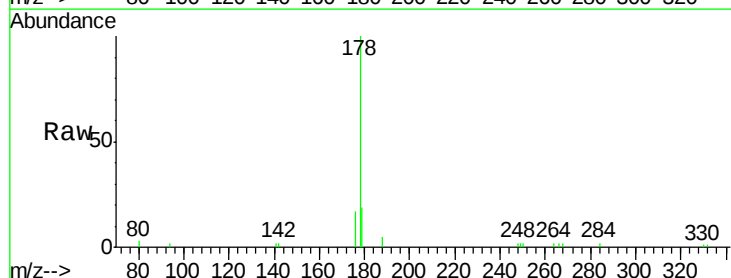
Tgt Ion:178 Resp: 7730

Ion Ratio Lower Upper

178 100

176 18.0 12.8 19.2

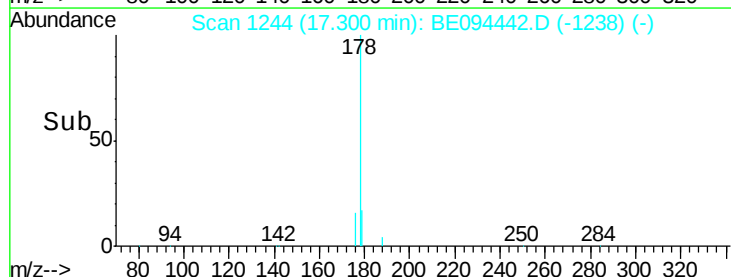
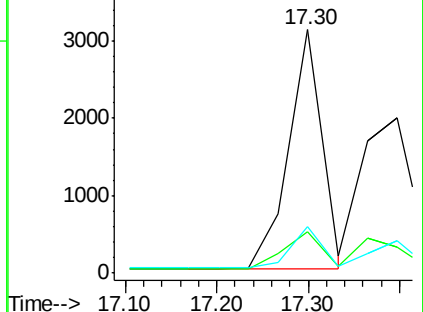
179 21.4 13.0 19.6#

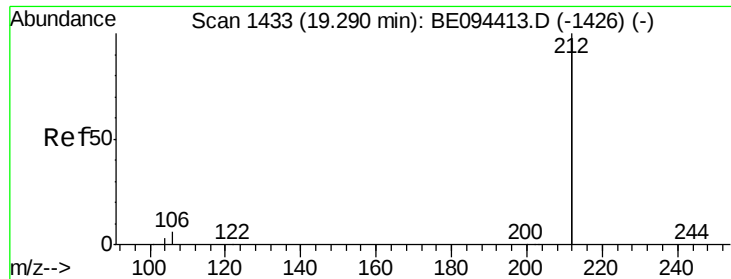


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

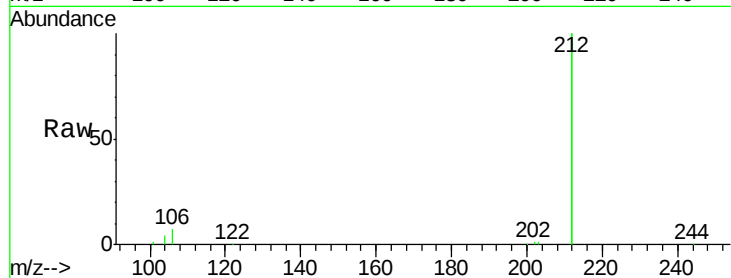
Instrument :

BNA_E

ClientSampleId :

PB103238BS

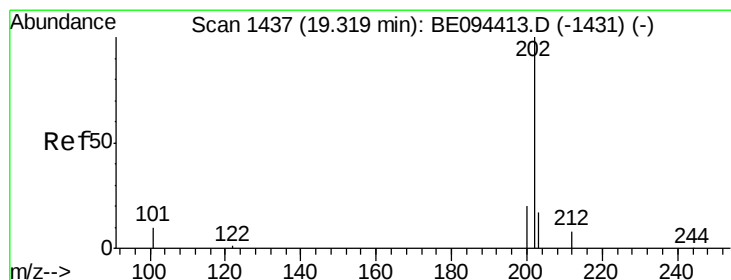
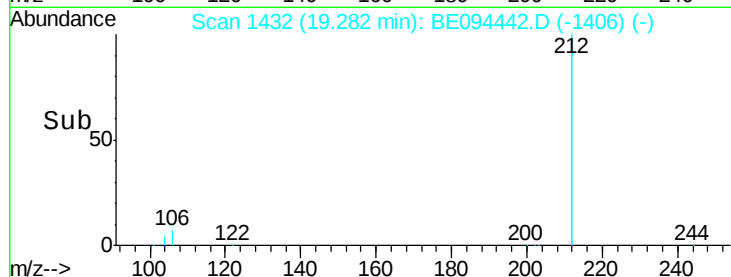
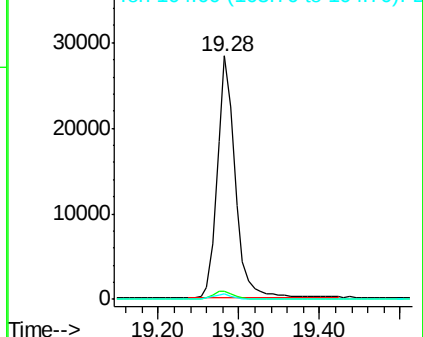
Tgt Ion:	212	Resp:	43122
Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	1.9	1.6	2.4



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: 0.322 ng

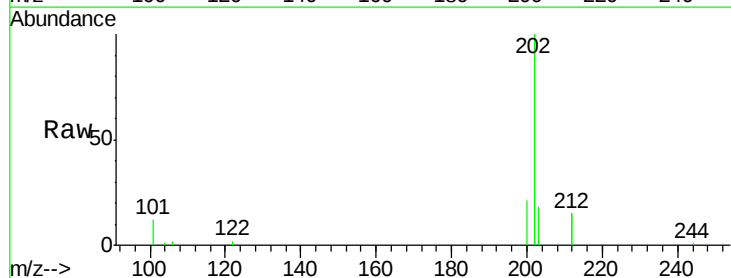
RT: 19.31 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

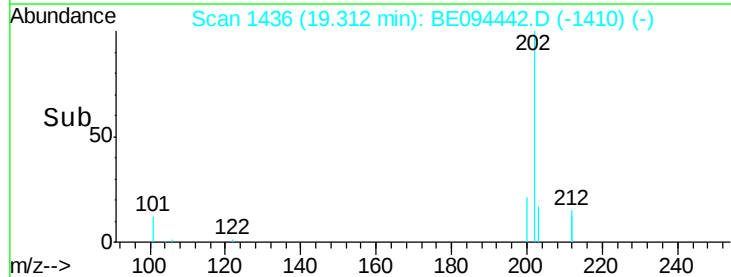
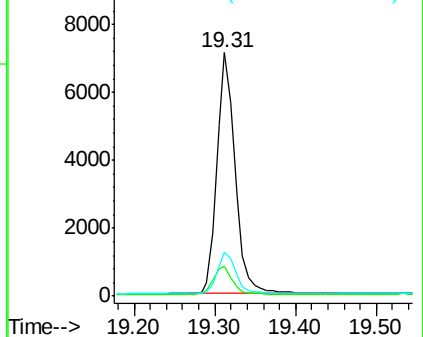
Tgt Ion:	202	Resp:	11238
Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
203	17.2	13.7	20.5

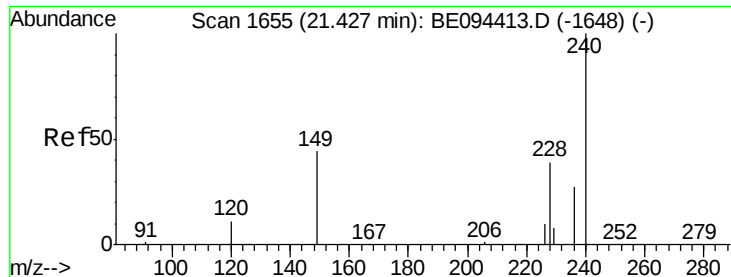


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

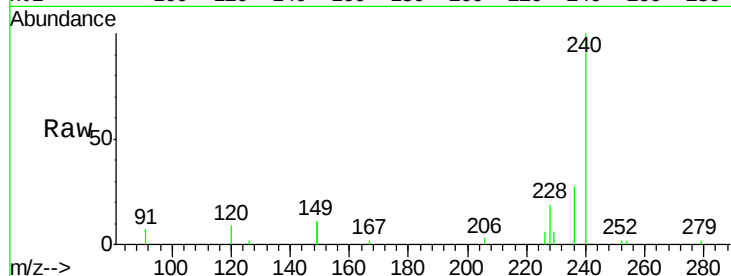
Tgt Ion:240 Resp: 9747

Ion Ratio Lower Upper

240 100

120 9.2 5.5 8.3#

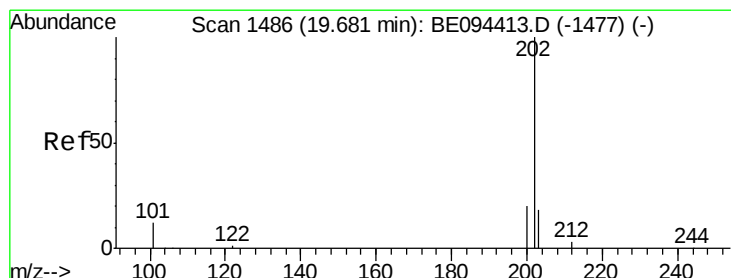
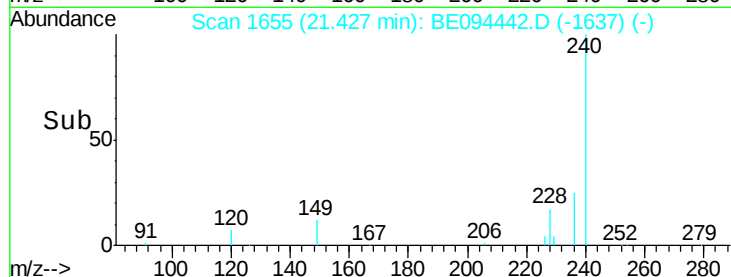
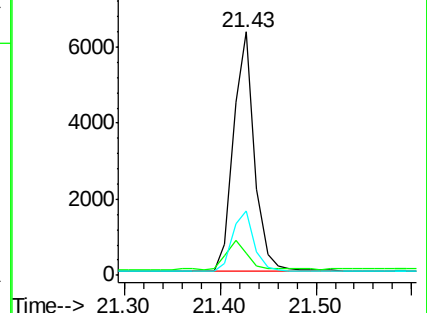
236 26.5 20.7 31.1



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: 0.317 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

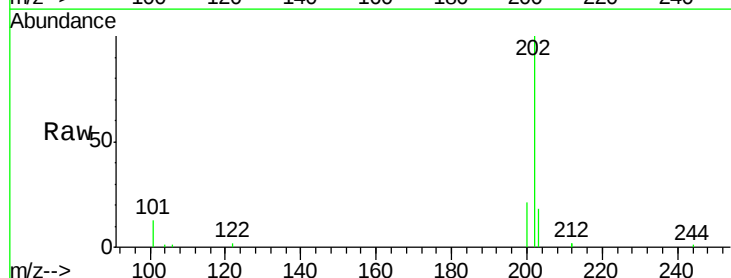
Tgt Ion:202 Resp: 11665

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

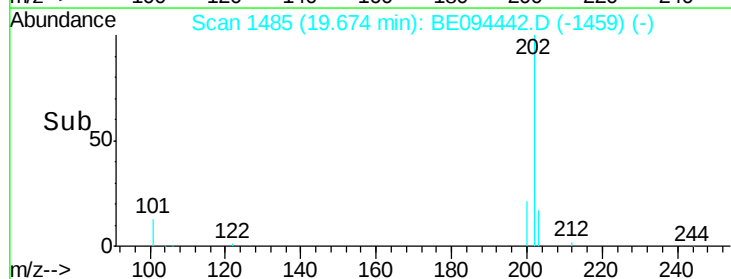
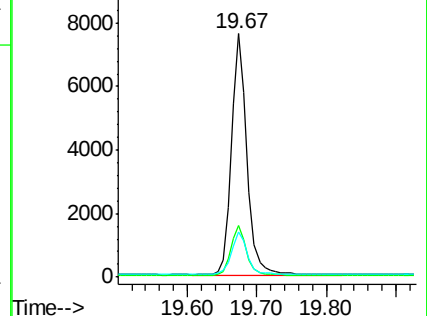
203 18.3 13.8 20.8

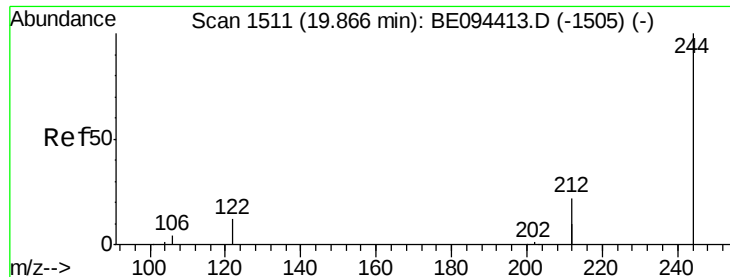


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.366 ng

RT: 19.87 min Scan# 1511

Delta R.T. 0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

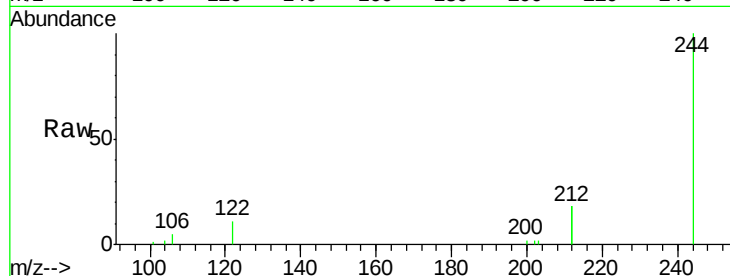
Tgt Ion:244 Resp: 7193

Ion Ratio Lower Upper

244 100

212 35.9 25.4 38.0

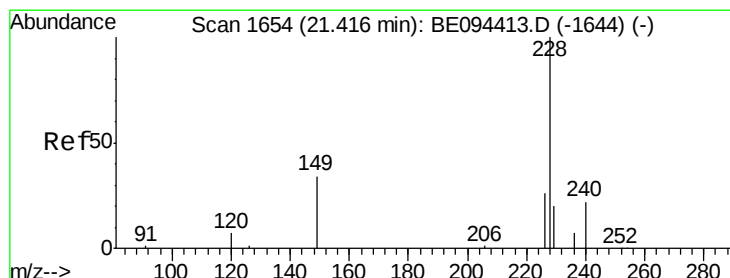
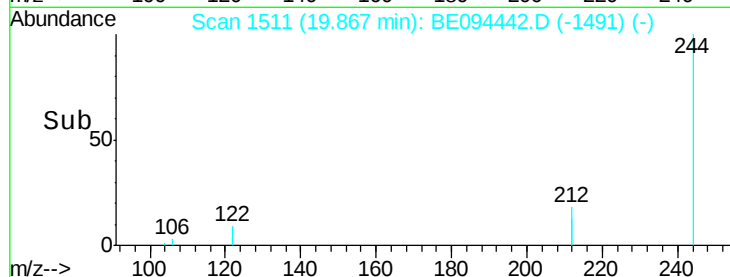
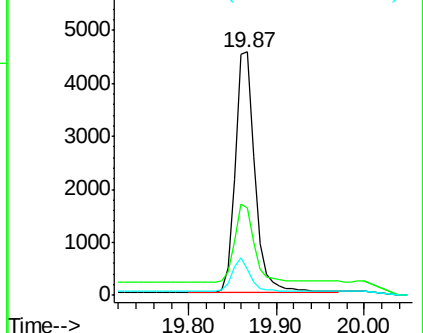
122 10.6 8.1 12.1



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: 0.342 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

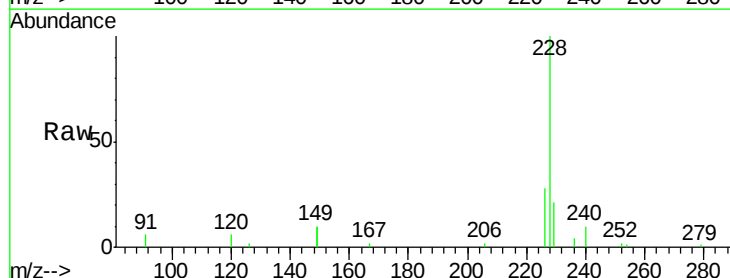
Tgt Ion:228 Resp: 11543

Ion Ratio Lower Upper

228 100

226 28.1 40.0 60.0#

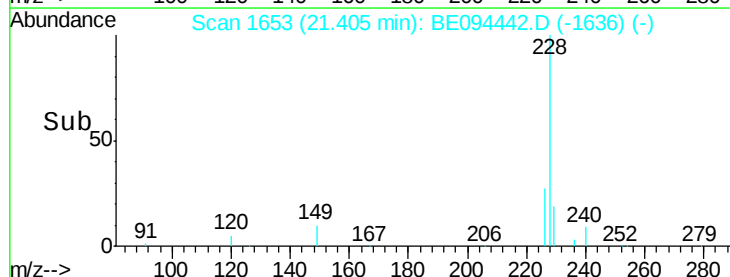
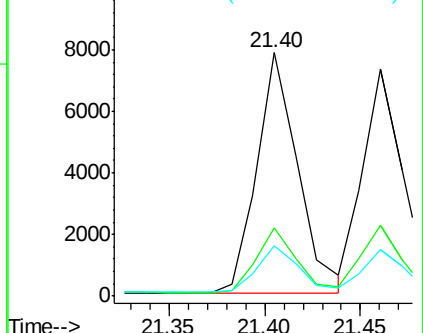
229 20.8 40.0 60.0#

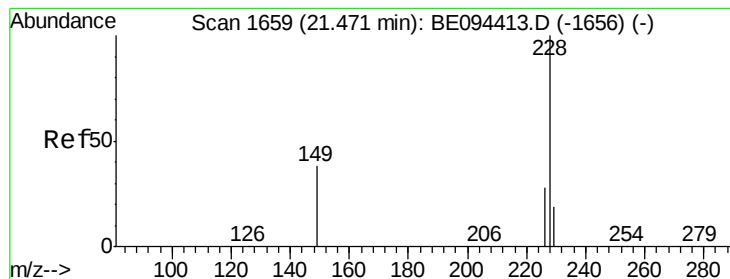


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.332 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

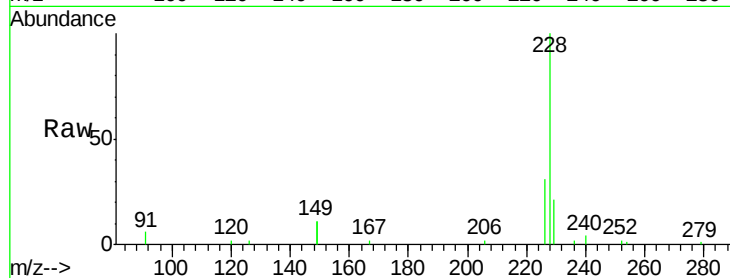
Tgt Ion: 228 Resp: 10787

Ion Ratio Lower Upper

228 100

226 31.1 40.0 60.0#

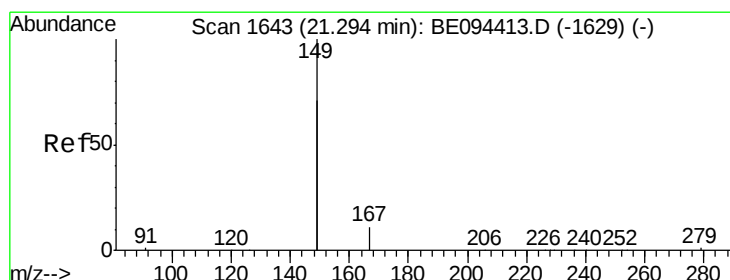
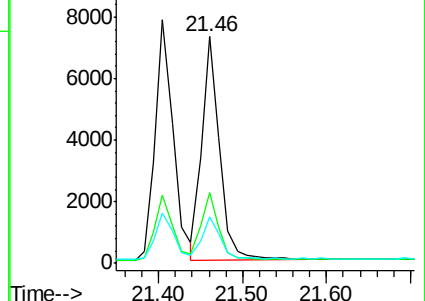
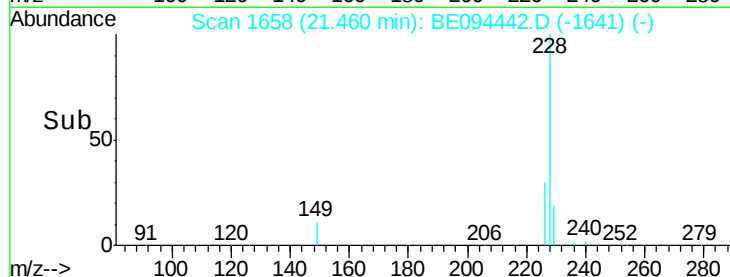
229 20.7 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.307 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

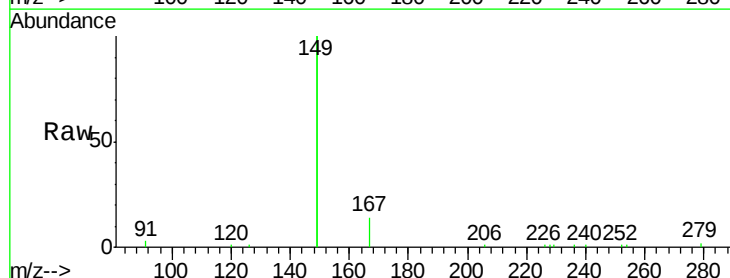
Tgt Ion: 149 Resp: 29768

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

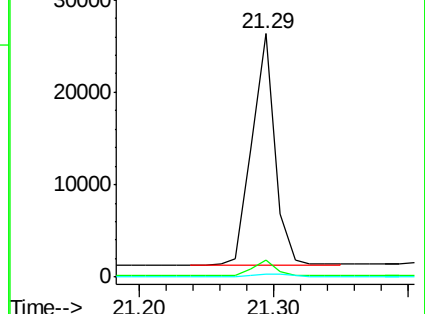
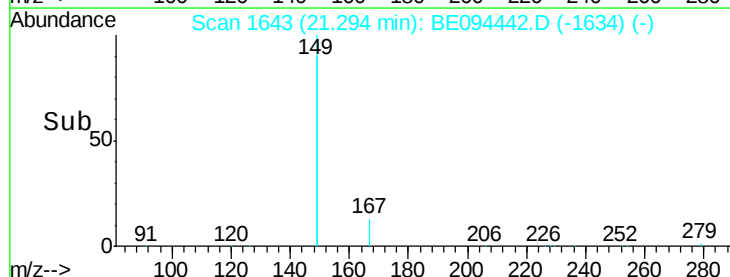
279 0.9 0.7 1.1

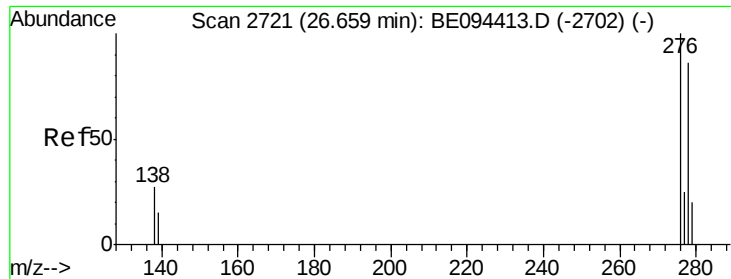


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.351 ng

RT: 26.64 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

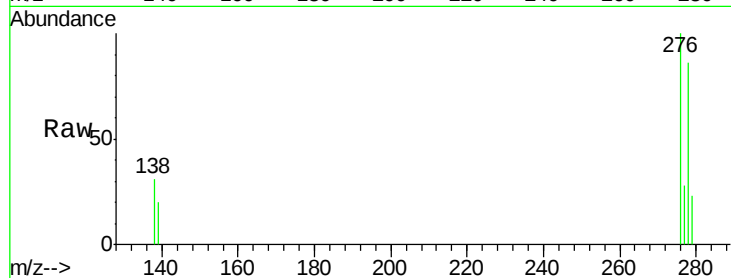
Tgt Ion:276 Resp: 11481

Ion Ratio Lower Upper

276 100

138 27.7 22.5 33.7

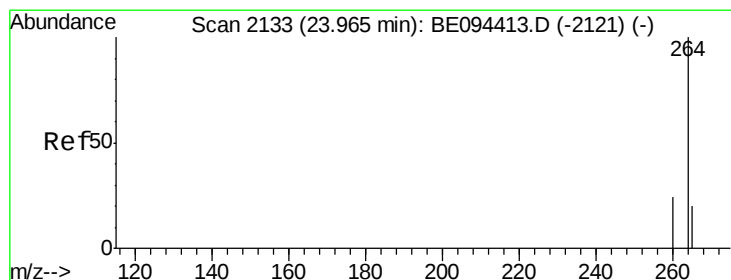
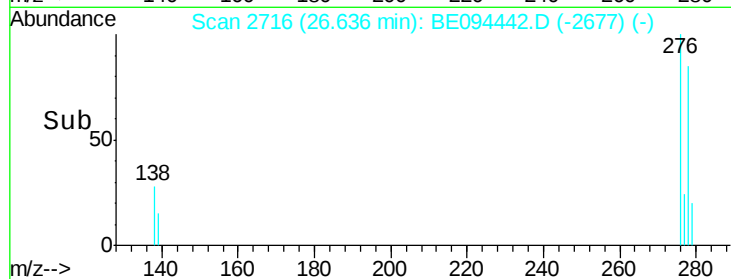
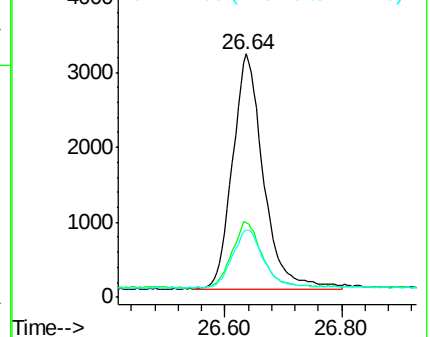
277 24.6 19.9 29.9



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: 23.95 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

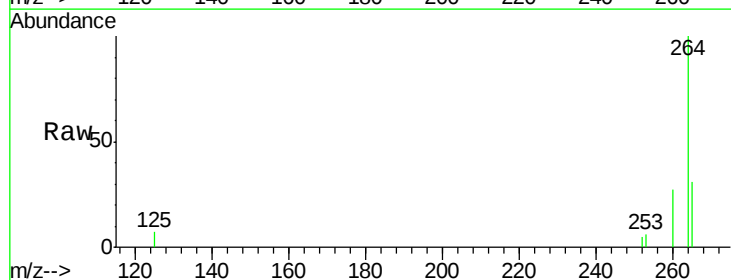
Tgt Ion:264 Resp: 9311

Ion Ratio Lower Upper

264 100

260 27.1 20.5 30.7

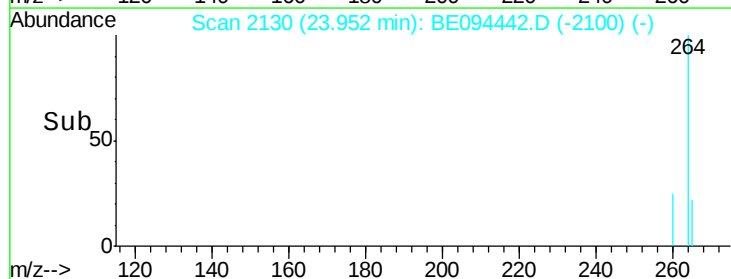
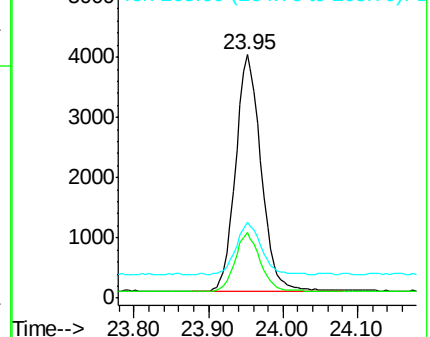
265 31.2 22.8 34.2

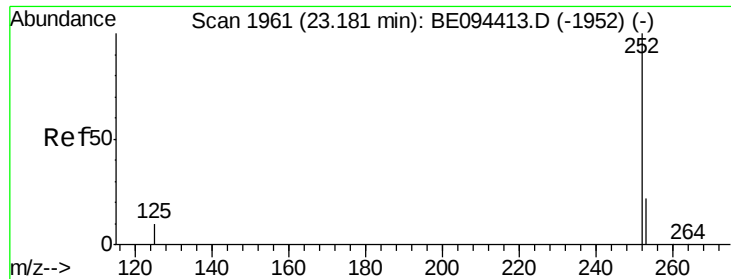


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.332 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

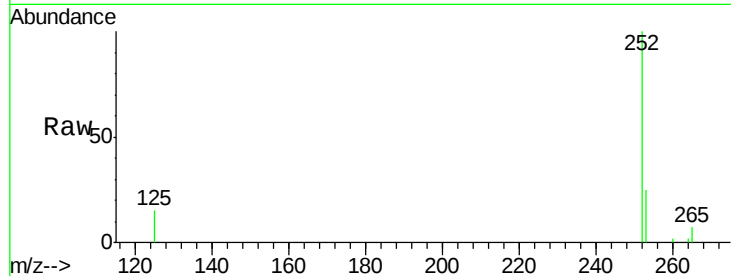
Tgt Ion:252 Resp: 10495

Ion Ratio Lower Upper

252 100

253 25.3 48.0 72.0#

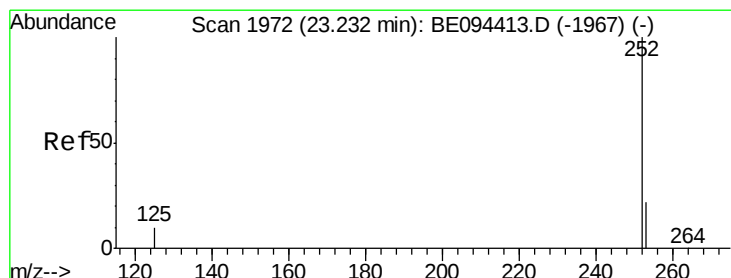
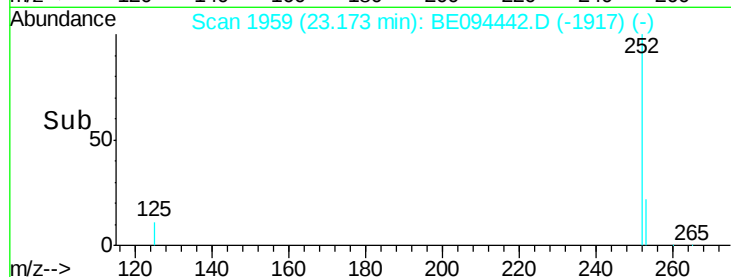
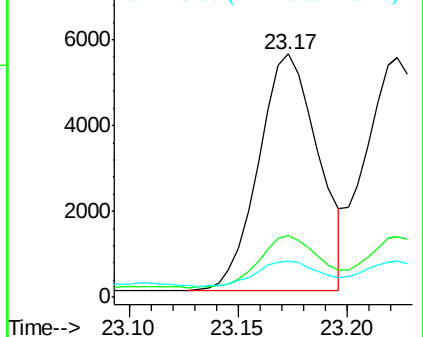
125 14.8 56.0 84.0#



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: 0.358 ng

RT: 23.22 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

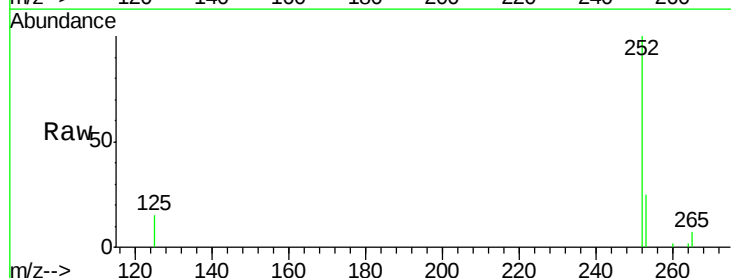
Tgt Ion:252 Resp: 11130

Ion Ratio Lower Upper

252 100

253 25.2 48.0 72.0#

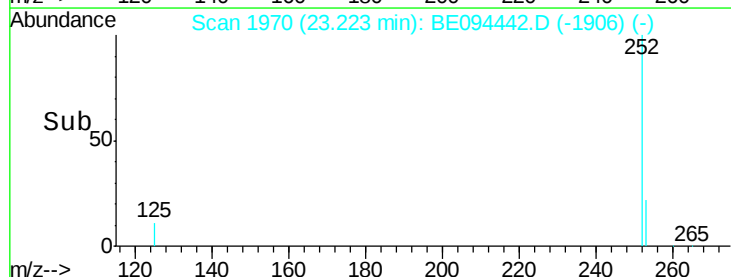
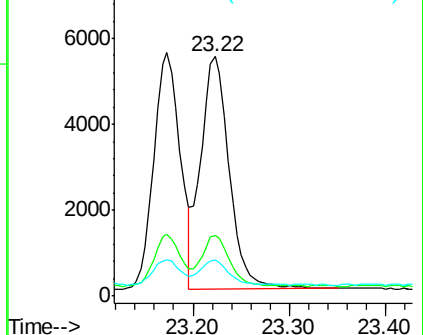
125 15.1 56.0 84.0#

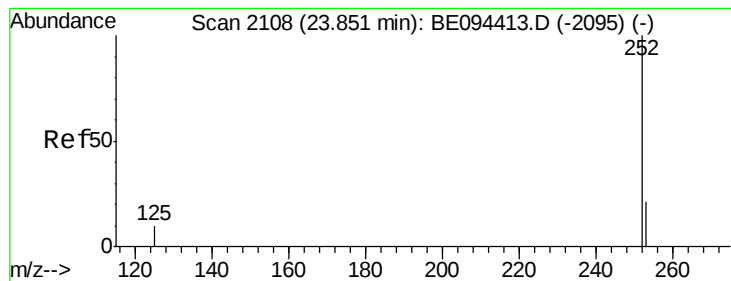


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.340 ng

RT: 23.84 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS

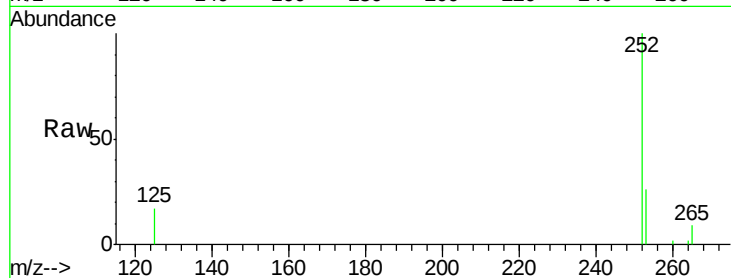
Tgt Ion:252 Resp: 10102

Ion Ratio Lower Upper

252 100

253 26.0 52.0 78.0#

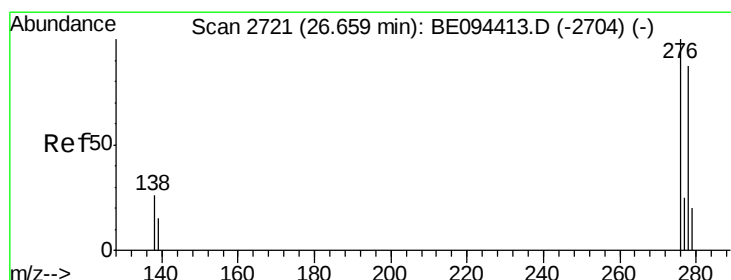
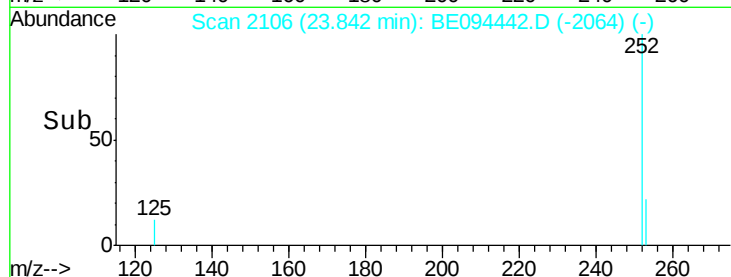
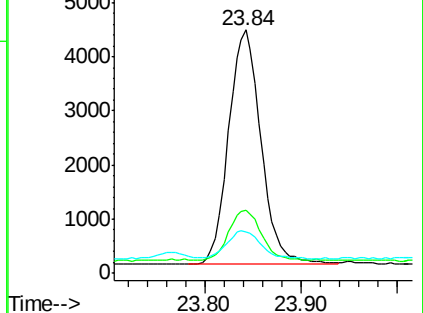
125 17.2 68.0 102.0#



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: 0.347 ng

RT: 26.64 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE094442.D

Acq: 19 Oct 2017 11:39

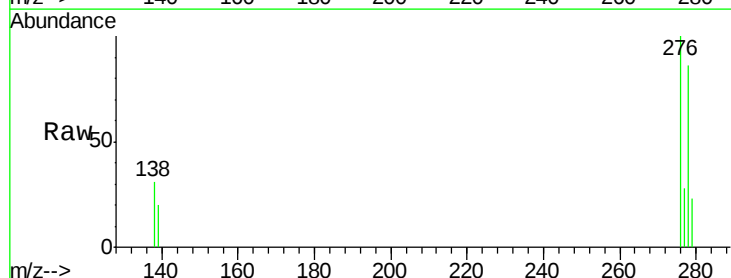
Tgt Ion:278 Resp: 9747

Ion Ratio Lower Upper

278 100

139 23.5 56.0 84.0#

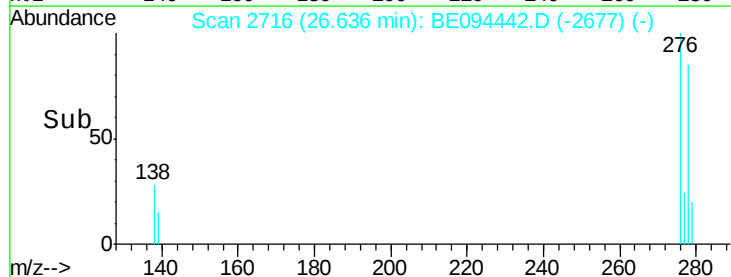
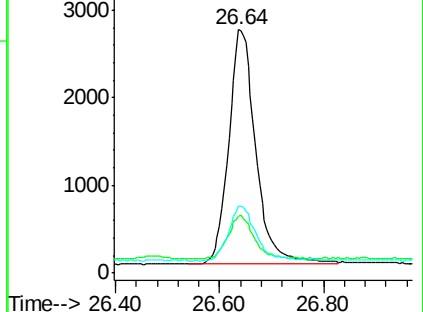
279 27.5 52.0 78.0#

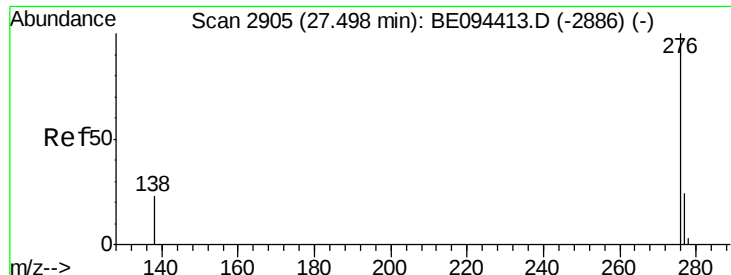


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.344 ng

RT: 27.47 min Scan# 2899

Delta R.T. -0.03 min

Lab File: BE094442.D

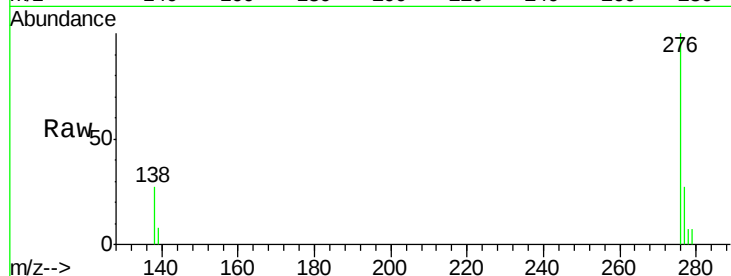
Acq: 19 Oct 2017 11:39

Instrument :

BNA_E

ClientSampleId :

PB103238BS



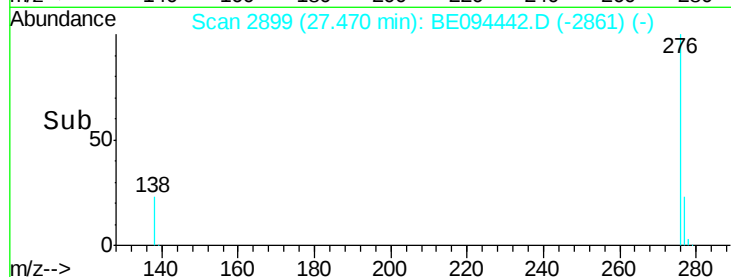
Tgt Ion: 276 Resp: 9289

Ion Ratio Lower Upper

276 100

277 27.4 52.0 78.0#

138 27.4 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

