

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094132.D
 Acq On : 26 Sep 2017 17:16
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Sep 26 19:21:52 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1588	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8303	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5186	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18134	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14279	0.40	ng	0.00
34) Perylene-d12	23.91	264	13497	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	2234	0.37	ng	0.00
5) Phenol-d6	7.09	99	3399	0.41	ng	0.00
8) Nitrobenzene-d5	9.06	82	2820	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5156	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	847	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	6709	0.39	ng	0.00
25) Fluoranthene-d10	19.27	212	62209	0.35	ng	0.00
29) Terphenyl-d14	19.85	244	10638	0.41	ng	0.00

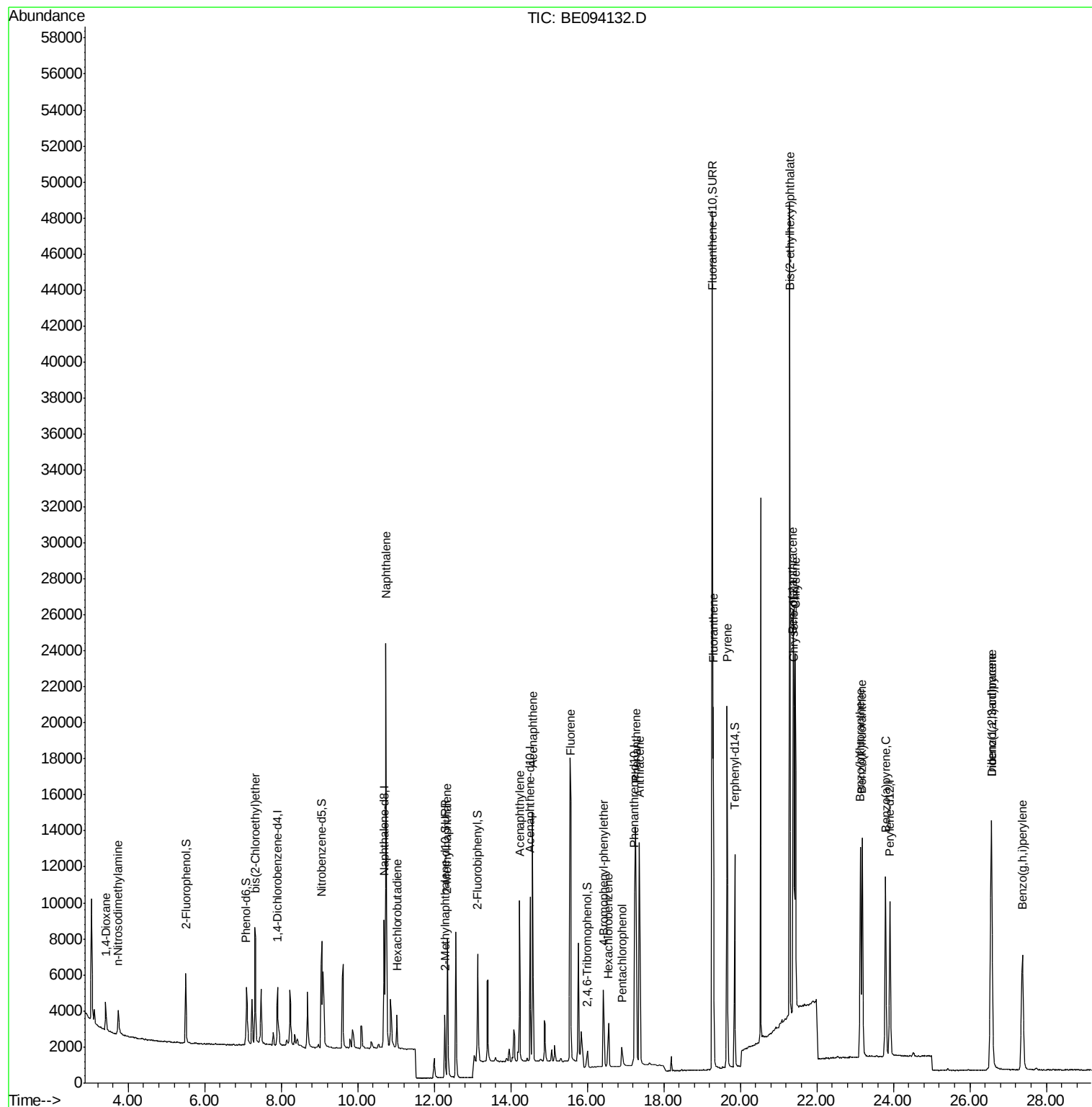
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	1272	0.411	ng	# 86
3) n-Nitrosodimethylamine	3.73	42	1257	0.318	ng	# 93
6) bis(2-Chloroethyl)ether	7.33	93	2566	0.396	ng	94
9) Naphthalene	10.74	128	37418	0.399	ng	99
10) Hexachlorobutadiene	11.02	225	1390	0.396	ng	97
12) 2-Methylnaphthalene	12.35	142	6124	0.403	ng	99
16) Acenaphthylene	14.23	152	10164	0.391	ng	100
17) Acenaphthene	14.57	154	6817	0.420	ng	98
18) Fluorene	15.56	166	8807	0.399	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	3256	0.438	ng	95
21) Hexachlorobenzene	16.55	284	2343	0.499	ng	# 89
22) Pentachlorophenol	16.91	266	1136	0.264	ng	# 73
23) Phenanthrene	17.27	178	19999	0.431	ng	99
24) Anthracene	17.37	178	18857	0.387	ng	98
26) Fluoranthene	19.30	202	18514	0.356	ng	99
28) Pyrene	19.66	202	19517	0.431	ng	99
30) Benzo(a)anthracene	21.38	228	18451	0.384	ng	98
31) Chrysene	21.44	228	18664	0.402	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	51392	0.181	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	18428	0.371	ng	99
35) Benzo(b)fluoranthene	23.14	252	17704	0.364	ng	97
36) Benzo(k)fluoranthene	23.19	252	17551	0.376	ng	99
37) Benzo(a)pyrene	23.79	252	16756	0.381	ng	98
38) Dibenzo(a,h)anthracene	26.57	278	15664	0.376	ng	98
39) Benzo(g,h,i)perylene	27.37	276	15704	0.381	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

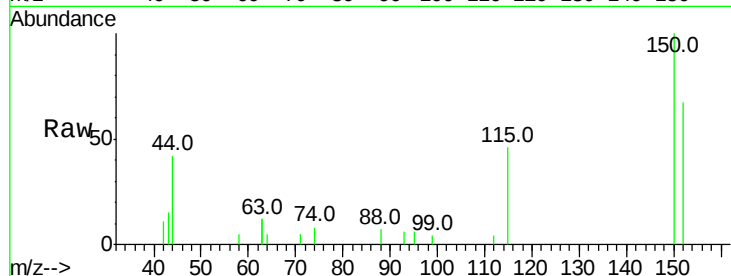
Tot Ion:152 Resp: 1588

Ion Ratio Lower Upper

152 100

150 150.2 117.2 175.8

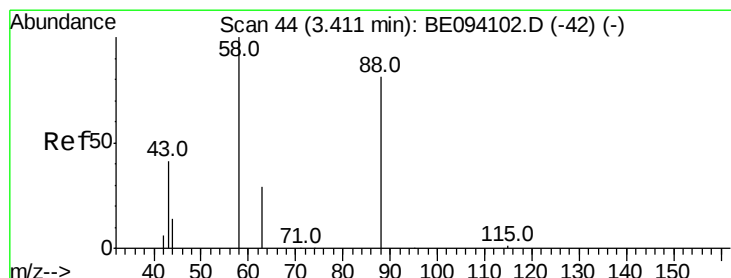
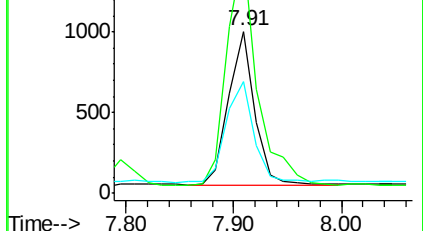
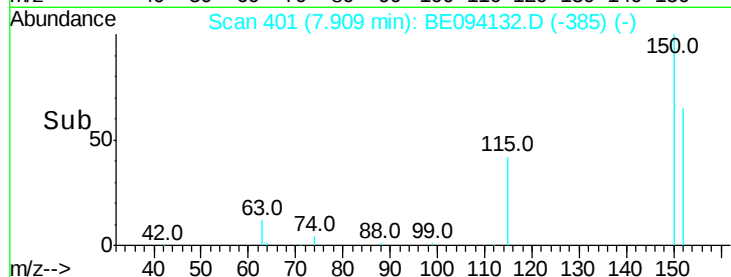
115 69.2 57.0 85.6



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: 0.411 ng

RT: 3.41 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

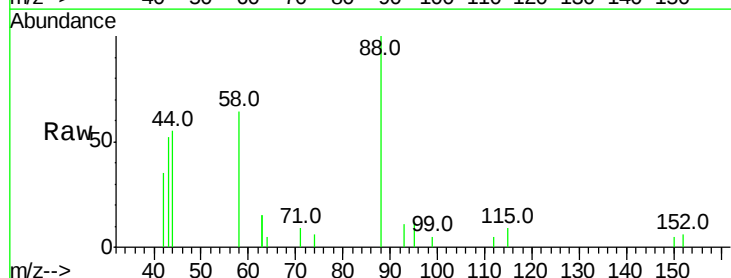
Tgt Ion: 88 Resp: 1272

Ion Ratio Lower Upper

88 100

58 71.9 63.2 94.8

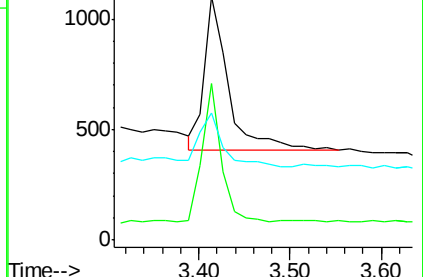
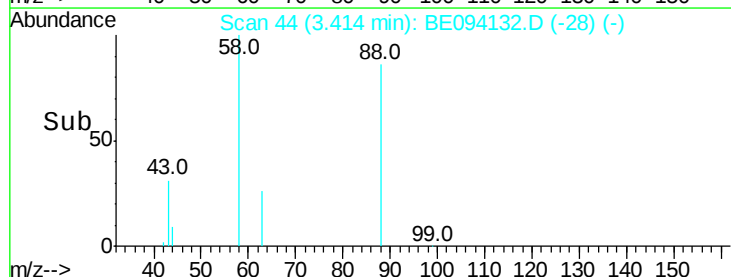
43 36.3 41.2 61.8#



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: 0.318 ng

RT: 3.73 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

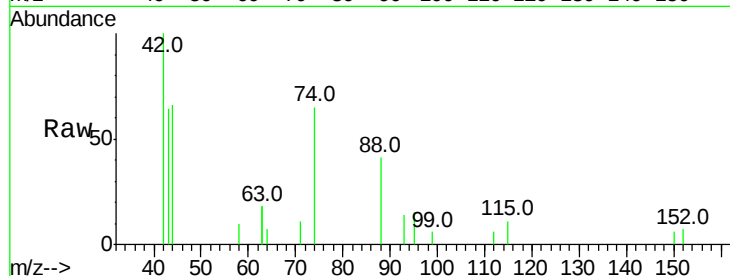
Tot Ion: 42 Resp: 1257

Ion Ratio Lower Upper

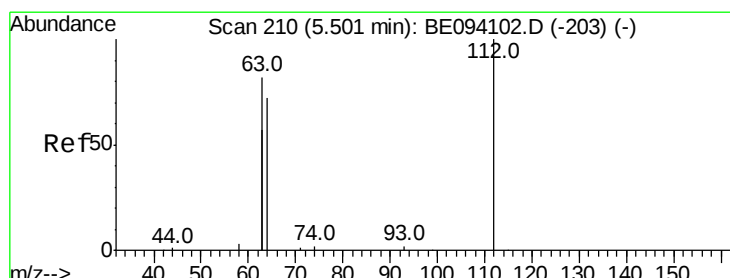
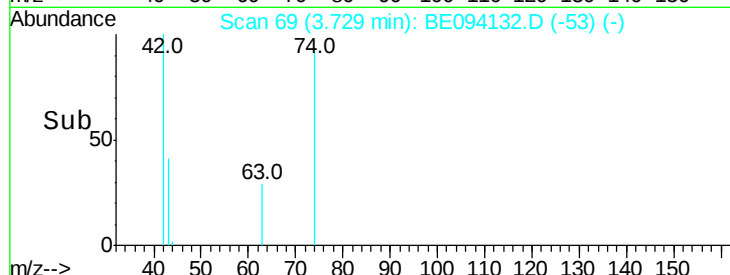
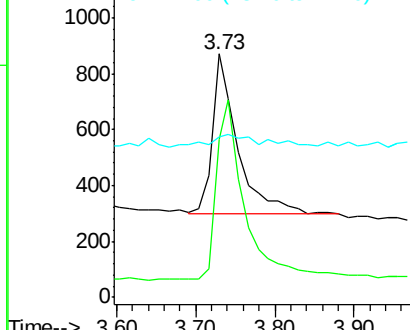
42 100

74 132.1 100.3 150.5

44 16.3 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: 0.371 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

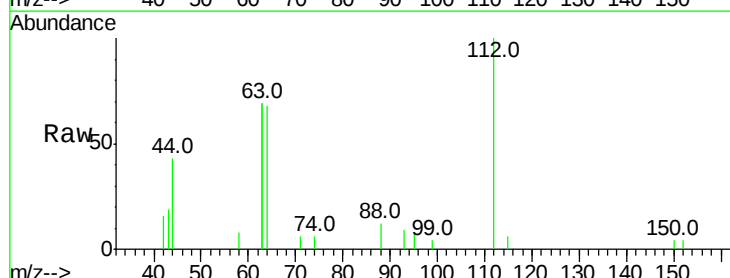
Tgt Ion: 112 Resp: 2234

Ion Ratio Lower Upper

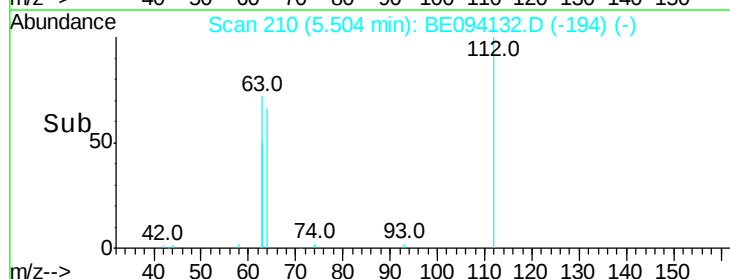
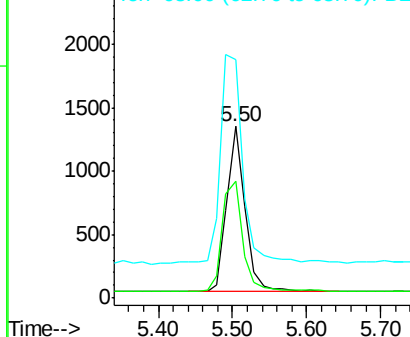
112 100

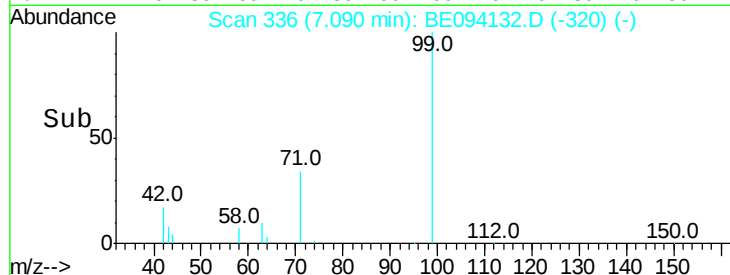
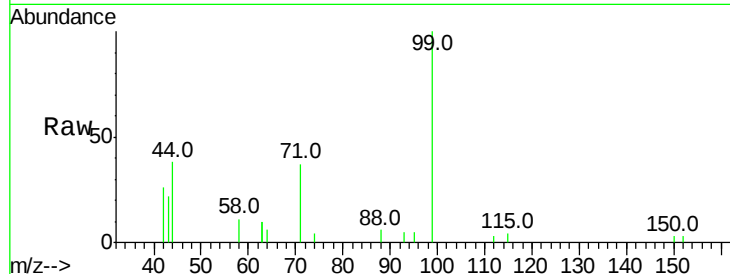
64 74.2 60.1 90.1

63 156.4 116.8 175.2



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: 0.406 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

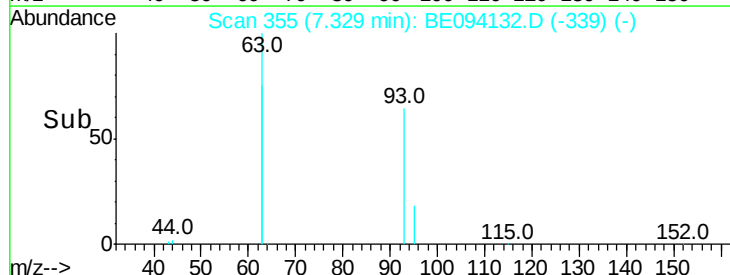
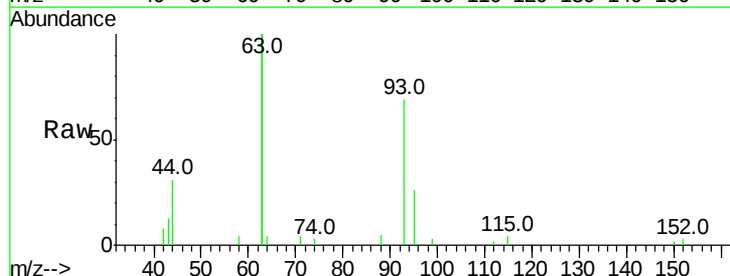
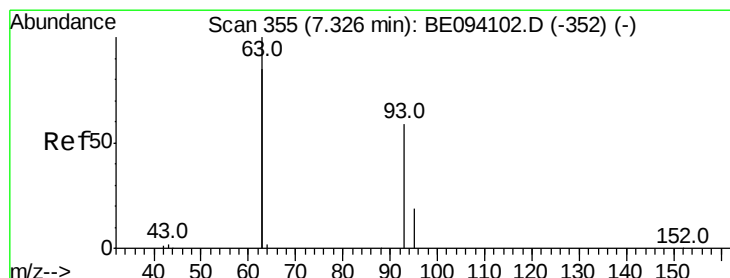
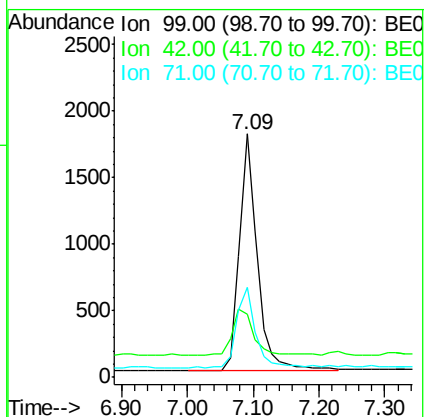
Tot Ion: 99 Resp: 3399

Ion Ratio Lower Upper

99 100

42 23.1 20.2 30.2

71 35.7 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.396 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

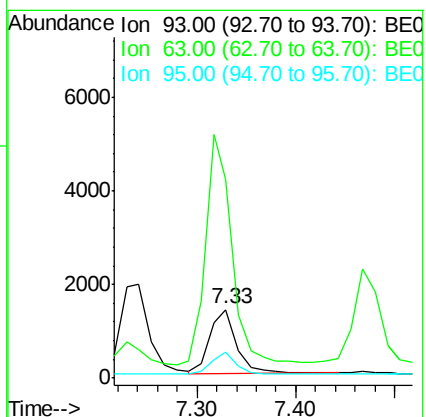
Tgt Ion: 93 Resp: 2566

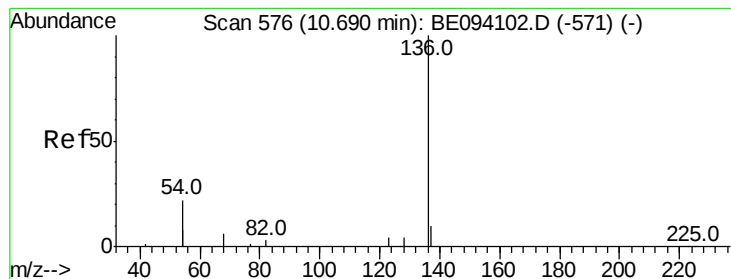
Ion Ratio Lower Upper

93 100

63 356.9 275.3 412.9

95 32.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 8303

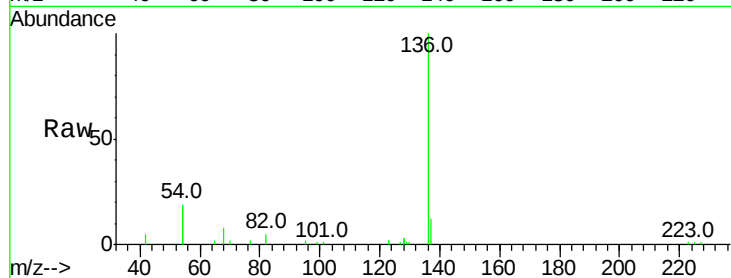
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 38.7 29.1 43.7

68 8.1 6.2 9.2

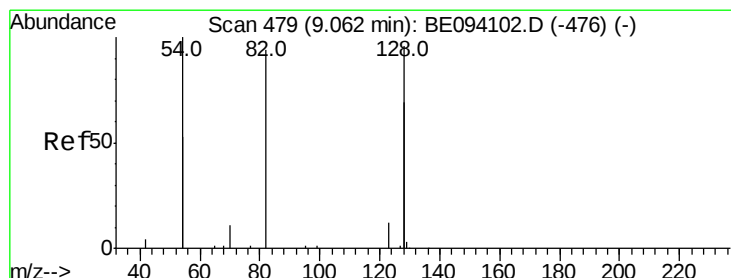
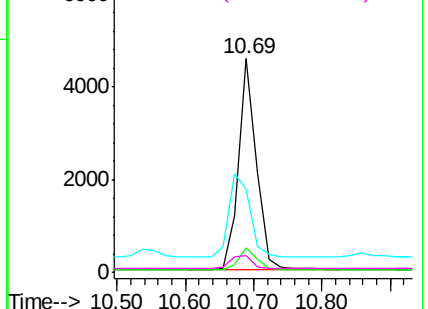
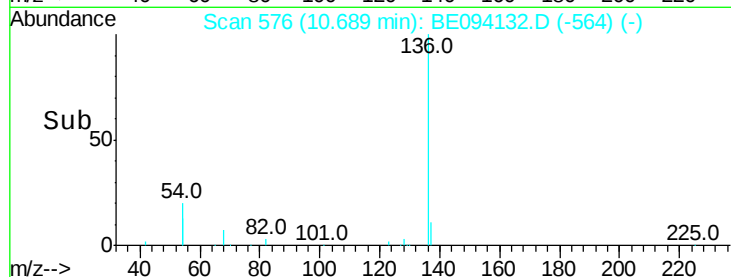


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.351 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

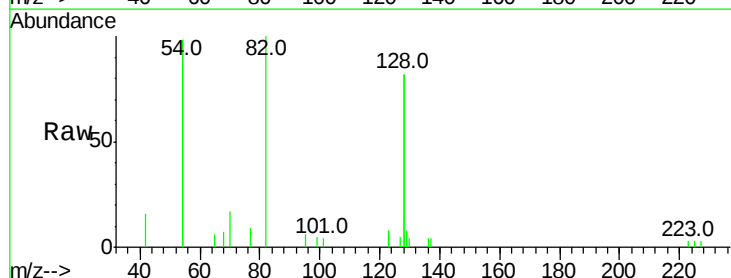
Tgt Ion: 82 Resp: 2820

Ion Ratio Lower Upper

82 100

128 164.7 150.0 225.0

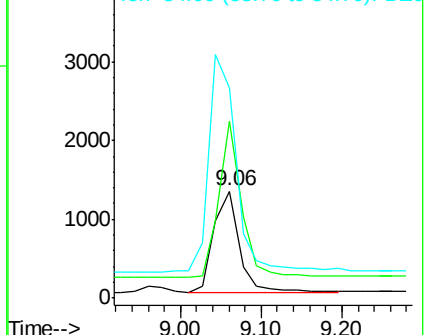
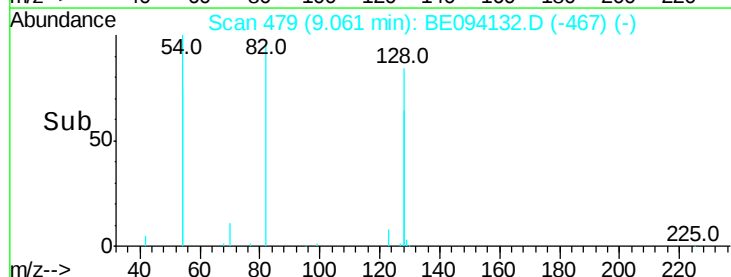
54 196.5 154.2 231.4



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: 0.399 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

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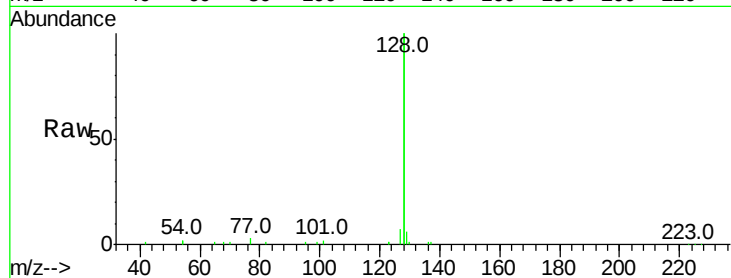
Tot Ion:128 Resp: 37418

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

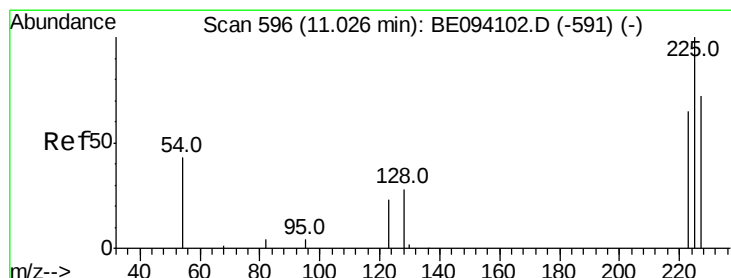
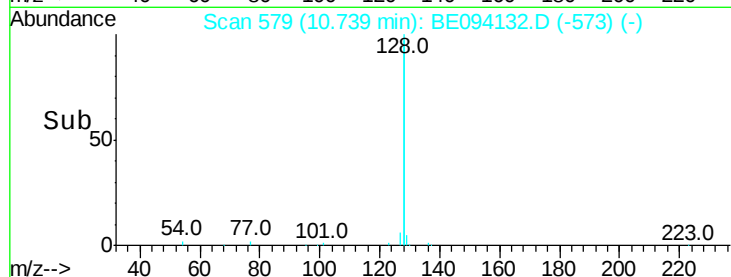
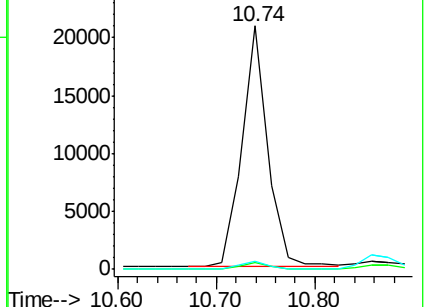
127 3.4 2.8 4.2



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: 0.396 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

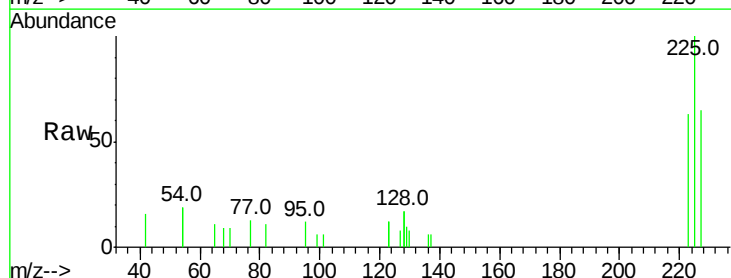
Tgt Ion:225 Resp: 1390

Ion Ratio Lower Upper

225 100

223 64.0 53.0 79.6

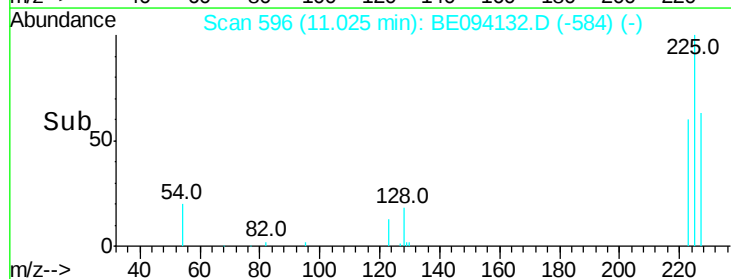
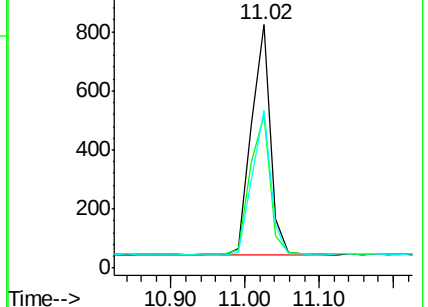
227 62.2 51.4 77.2



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: 0.403 ng

RT: 12.28 min Scan# 821

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

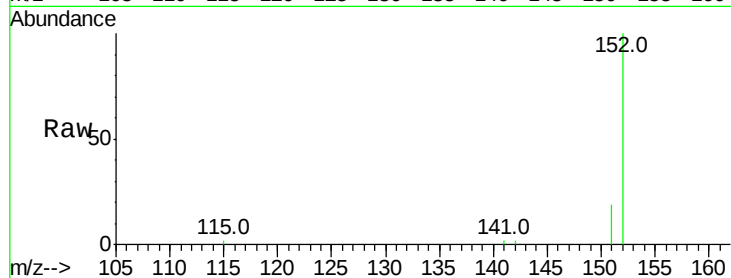
SSTDCCC0.4EC

Tot Ion:152 Resp: 5156

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

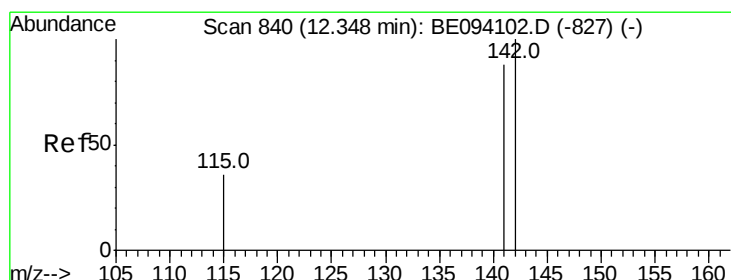
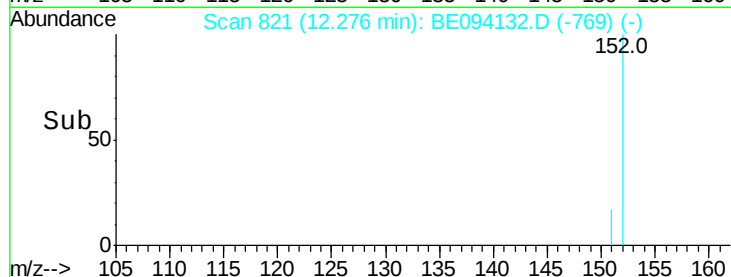
3000

2000

1000

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.403 ng

RT: 12.35 min Scan# 840

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

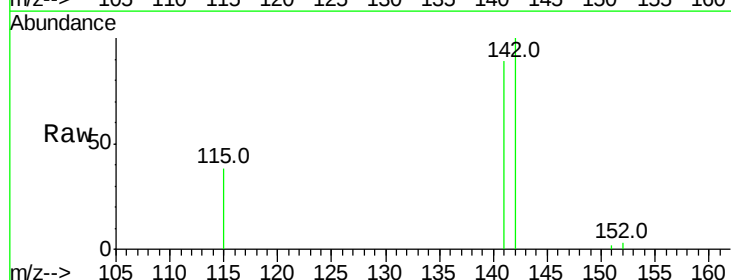
Tgt Ion:142 Resp: 6124

Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

115 38.2 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.35

4000

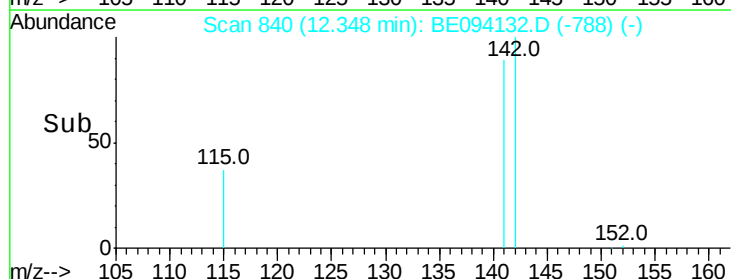
3000

2000

1000

0

Time--> 12.30 12.40

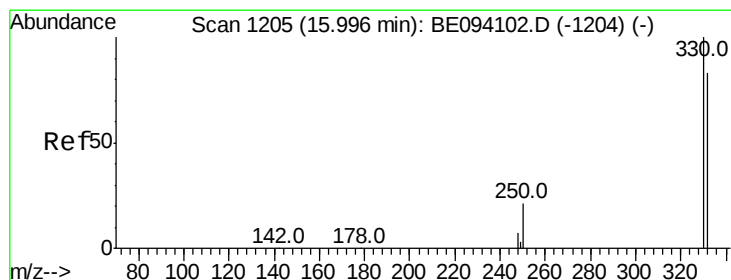
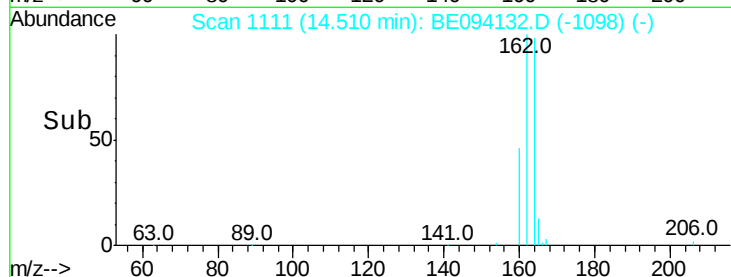
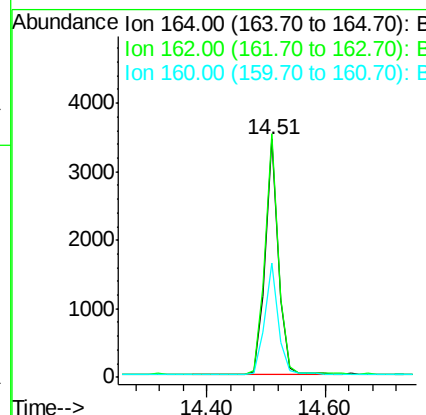
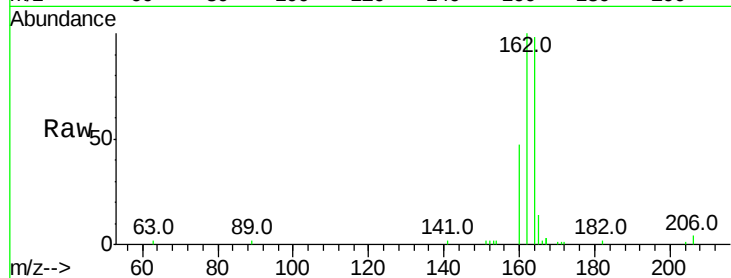




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

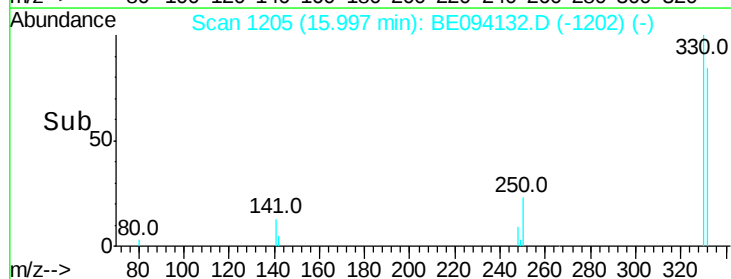
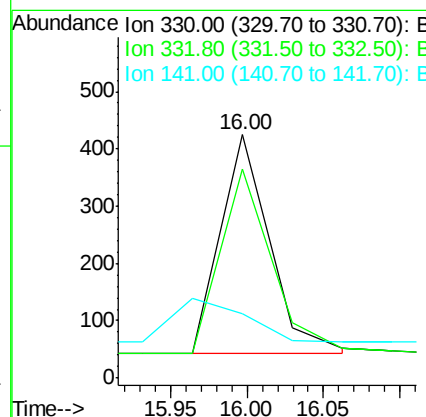
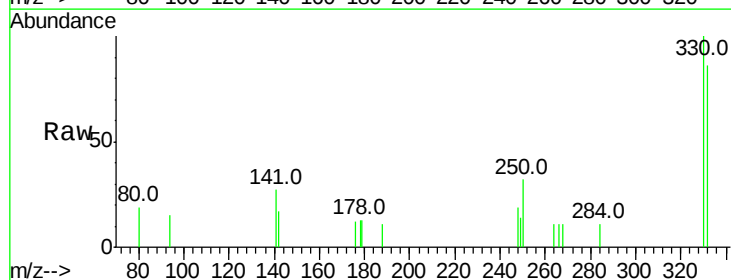
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

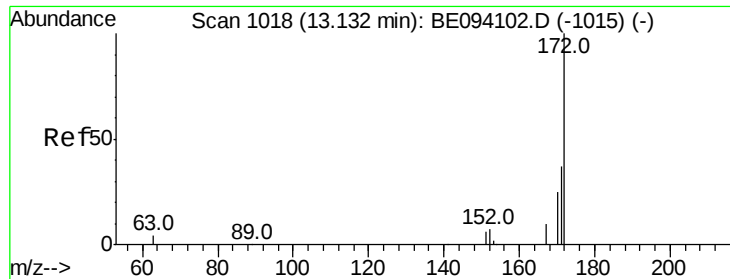
Tot Ion:164 Resp: 5186
Ion Ratio Lower Upper
164 100
162 102.3 83.1 124.7
160 47.8 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.272 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

Tgt Ion:330 Resp: 847
Ion Ratio Lower Upper
330 100
332 88.4 152.7 229.1#
141 0.0 33.7 50.5#

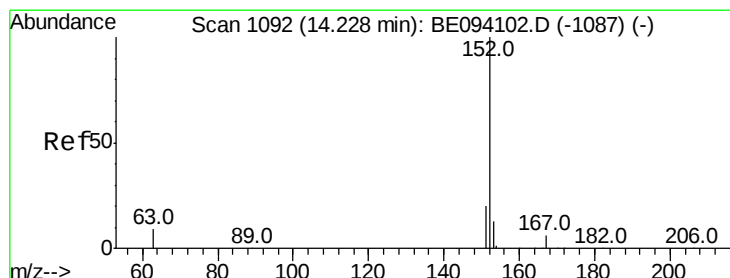
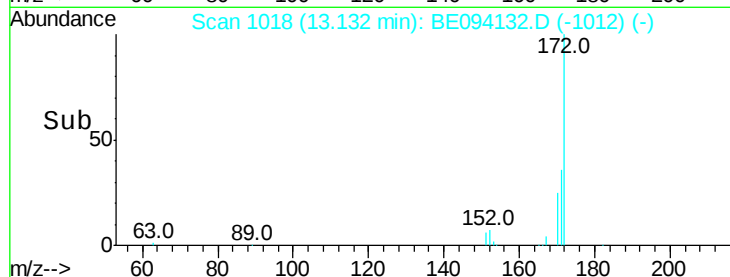
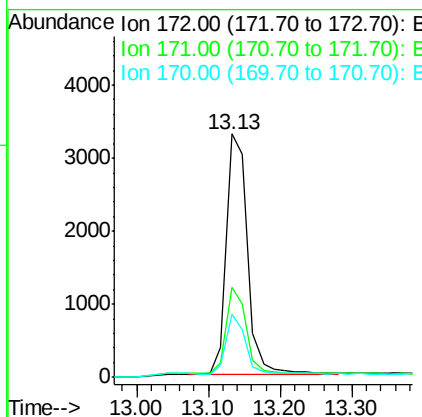
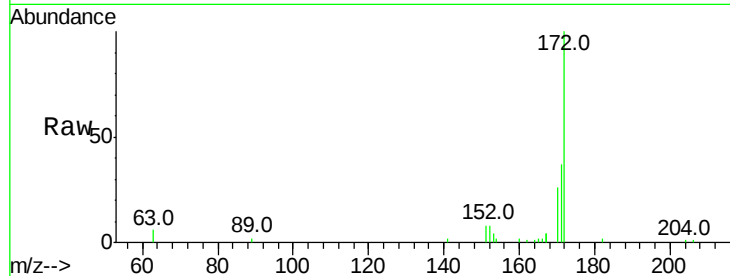




#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

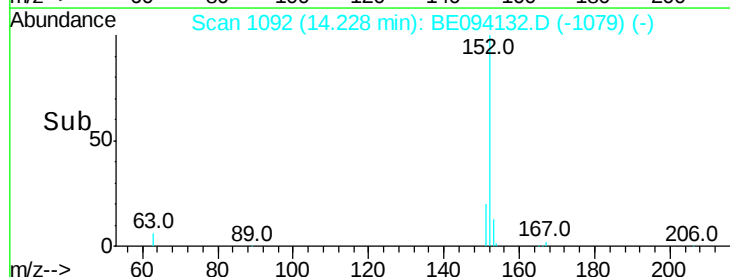
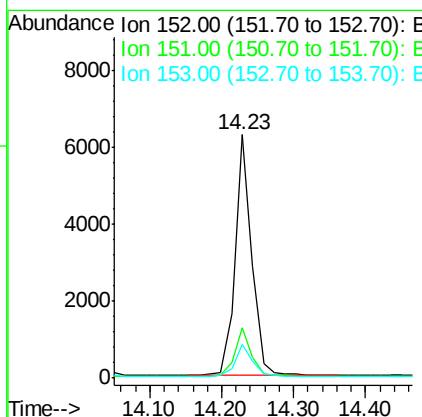
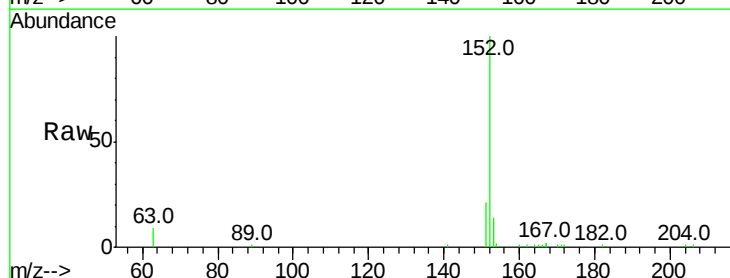
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

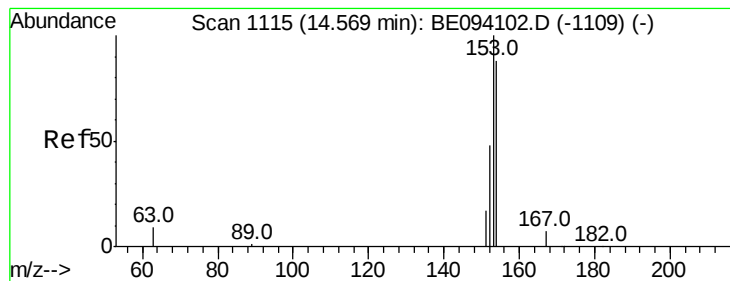
Tot Ion:172 Resp: 6709
Ion Ratio Lower Upper
172 100
171 37.2 29.9 44.9
170 25.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

Tgt Ion:152 Resp: 10164
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.420 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

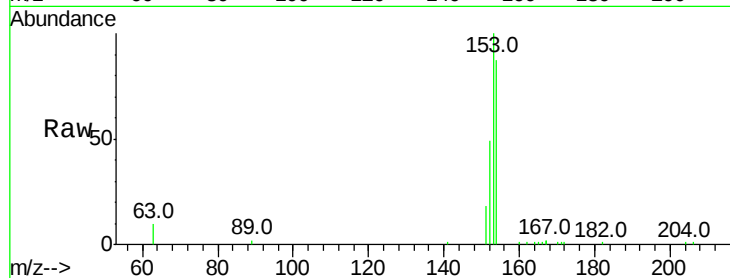
Tot Ion:154 Resp: 6817

Ion Ratio Lower Upper

154 100

153 112.9 89.2 133.8

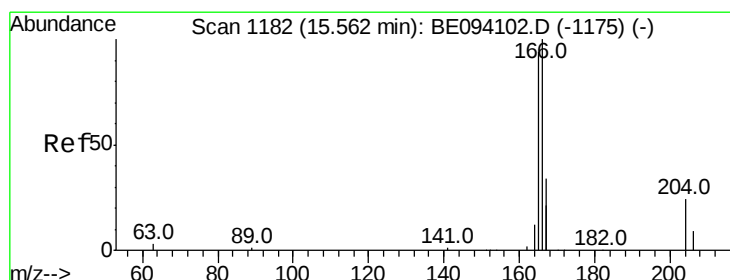
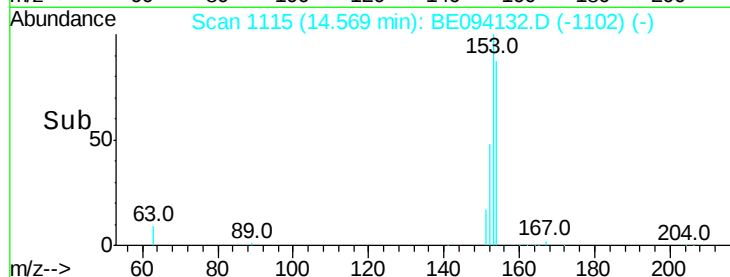
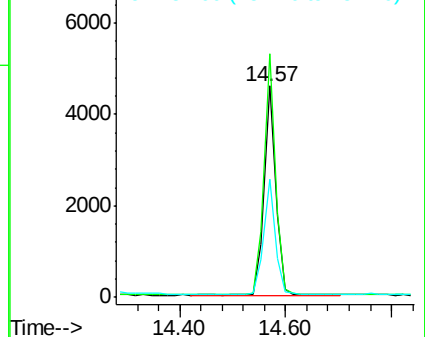
152 54.7 42.0 63.0



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: 0.399 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

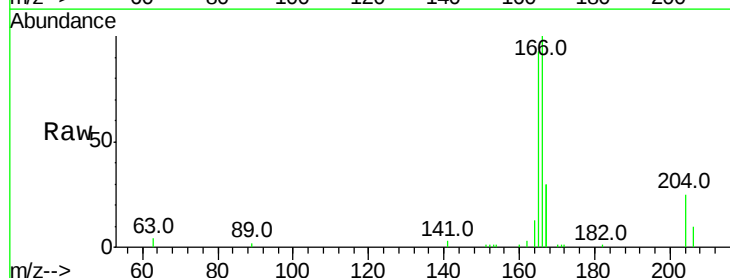
Tgt Ion:166 Resp: 8807

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

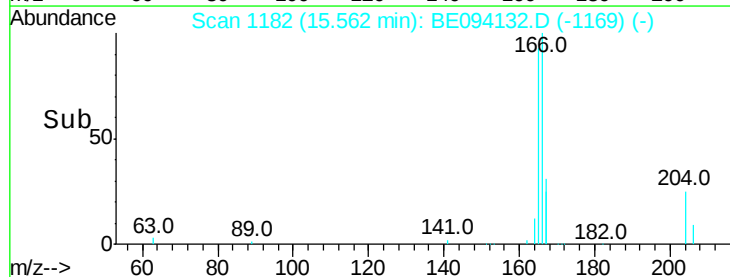
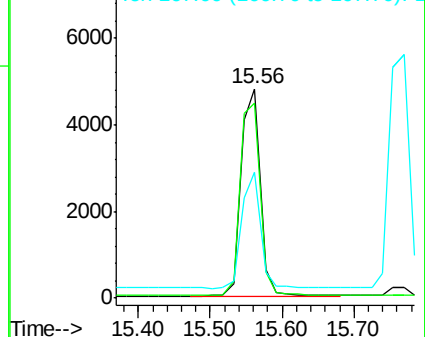
167 55.6 42.4 63.6

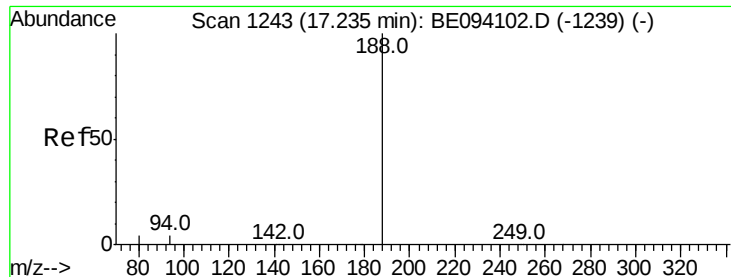


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

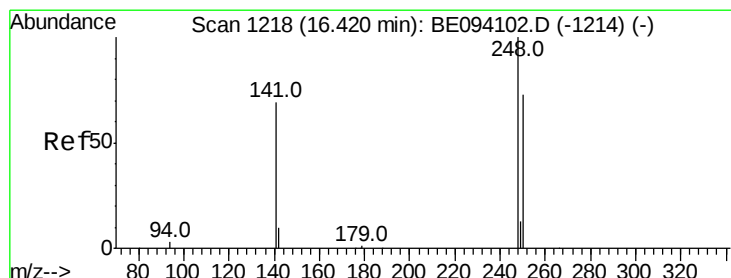
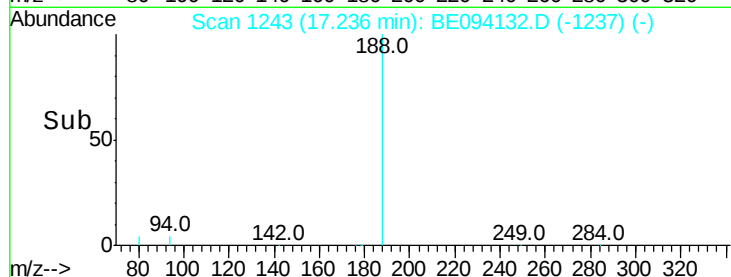
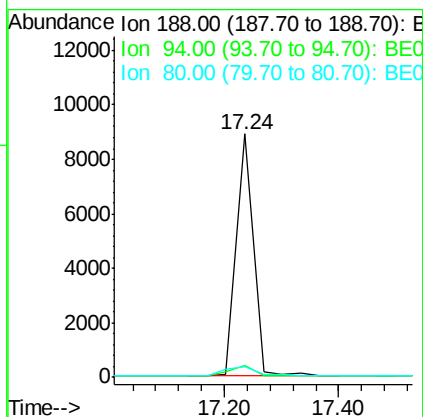
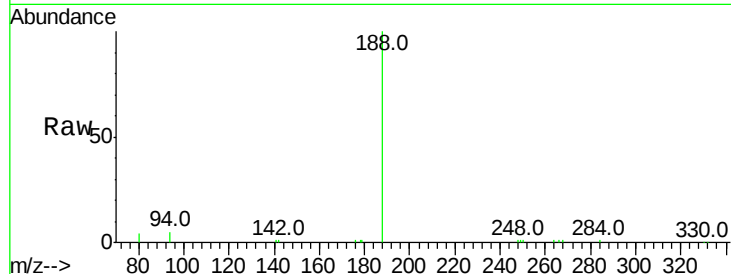




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

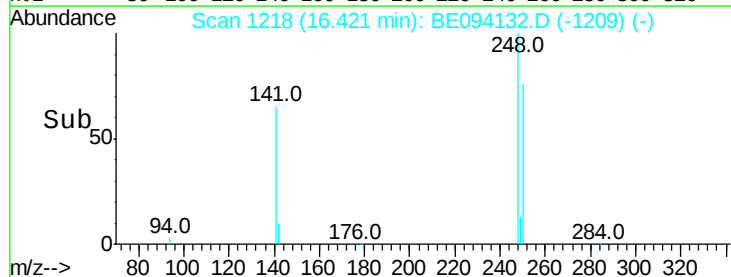
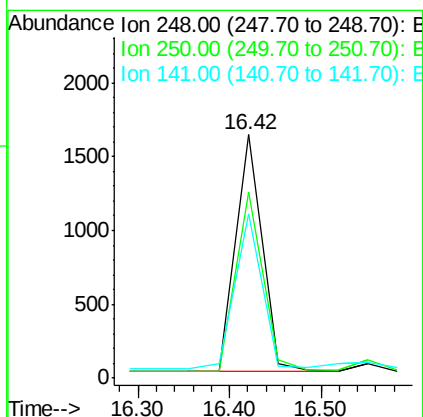
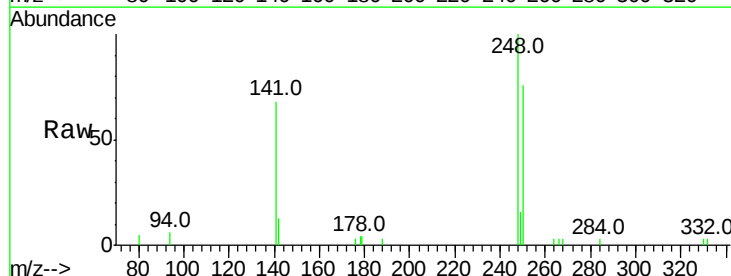
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

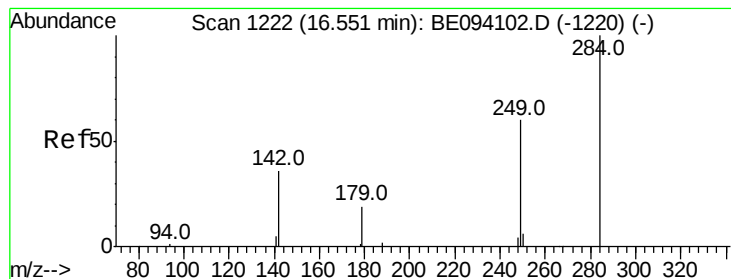
Tot Ion:188 Resp: 18134
Ion Ratio Lower Upper
188 100
94 4.8 3.9 5.9
80 4.5 3.6 5.4



#20
4-Bromophenyl-phenylether
Concen: 0.438 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

Tgt Ion:248 Resp: 3256
Ion Ratio Lower Upper
248 100
250 76.5 62.7 94.1
141 67.5 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.499 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

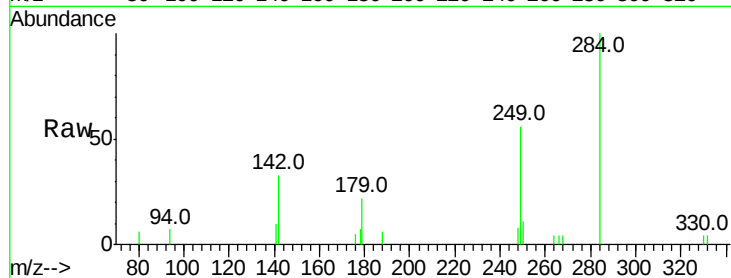
Tot Ion:284 Resp: 2343

Ion Ratio Lower Upper

284 100

142 34.1 22.1 33.1#

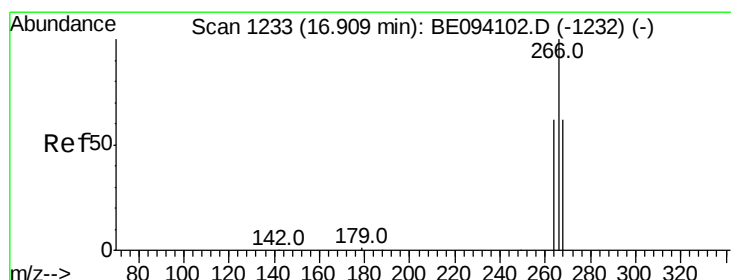
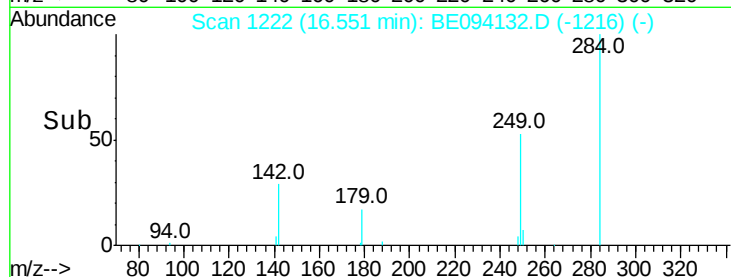
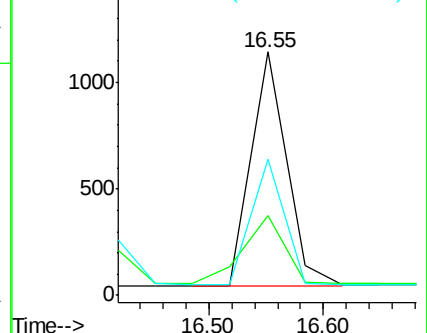
249 49.6 34.8 52.2



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: 0.264 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

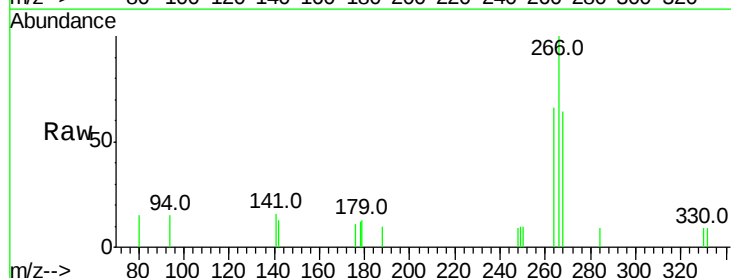
Tgt Ion:266 Resp: 1136

Ion Ratio Lower Upper

266 100

264 66.5 72.5 108.7#

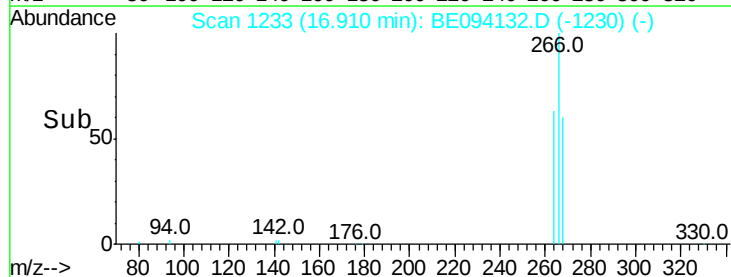
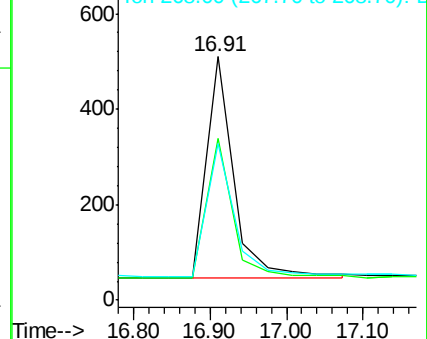
268 64.1 73.8 110.6#

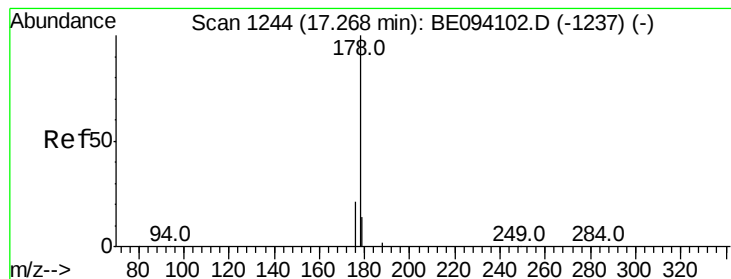


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.431 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

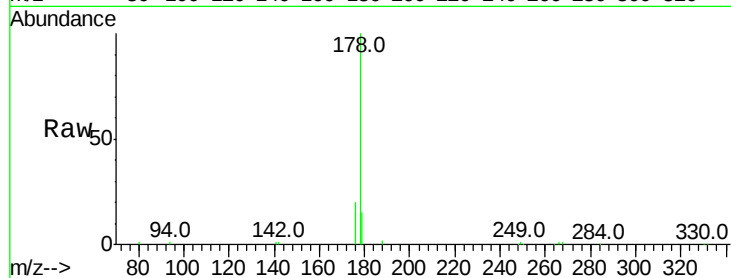
Tot Ion:178 Resp: 19999

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

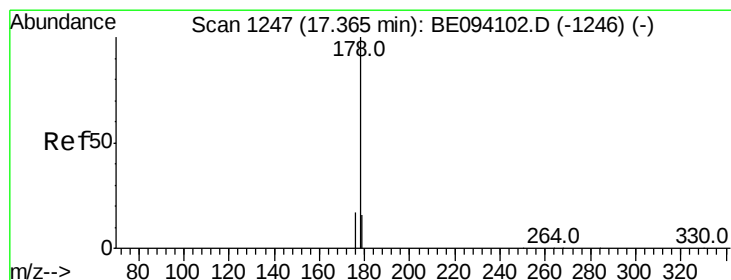
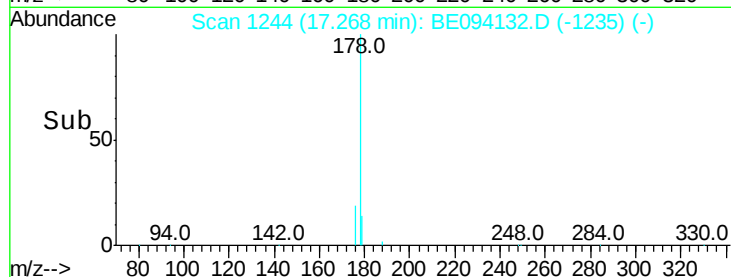
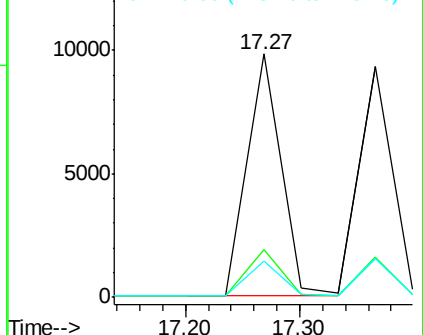
179 14.9 11.8 17.6



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: 0.387 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

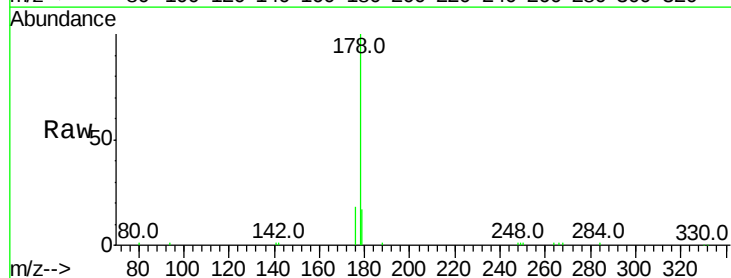
Tgt Ion:178 Resp: 18857

Ion Ratio Lower Upper

178 100

176 17.0 12.8 19.2

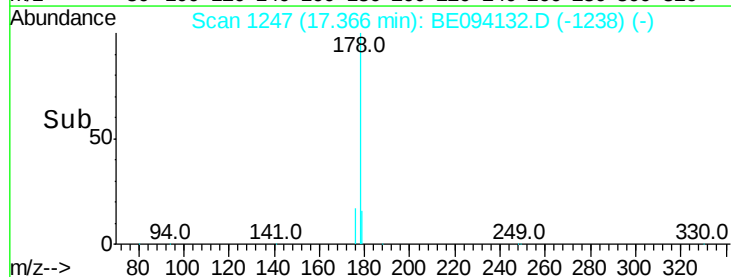
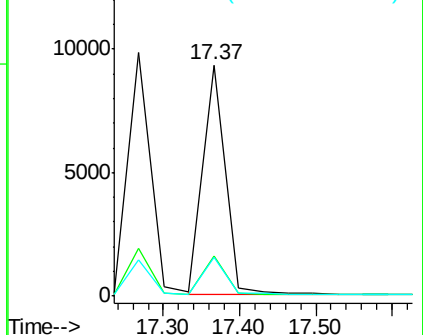
179 16.0 13.0 19.6

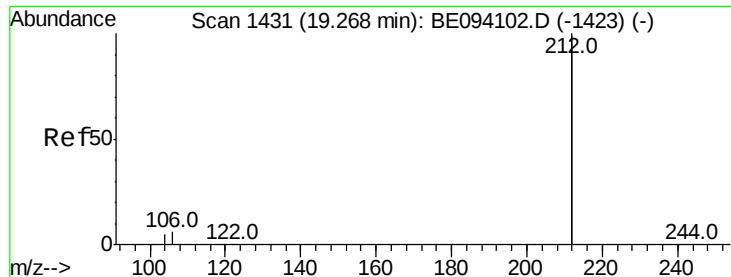


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

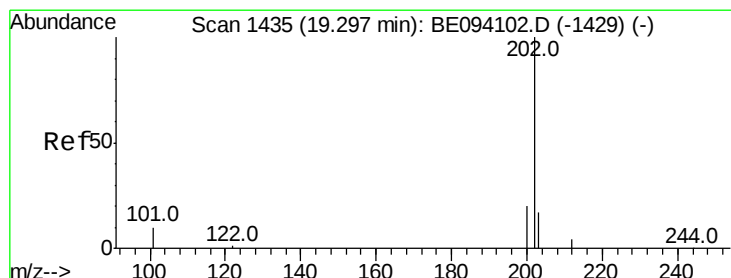
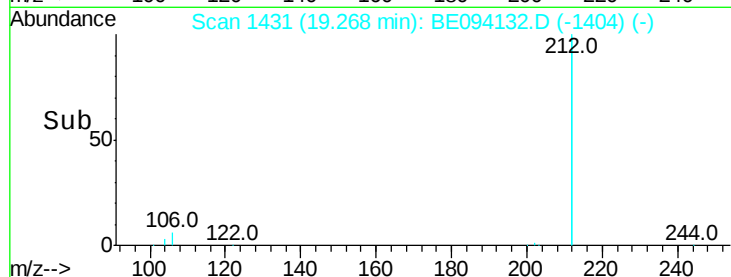
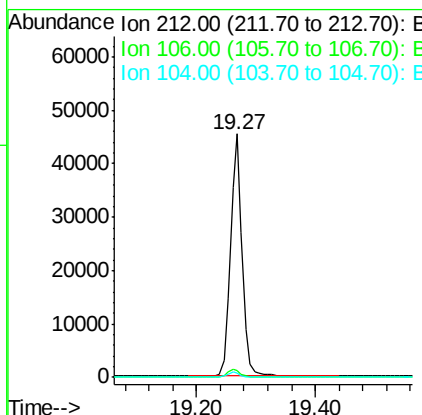
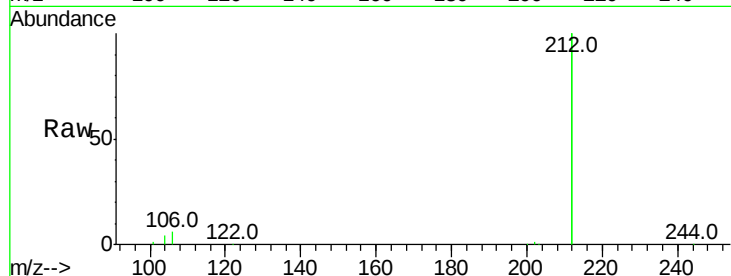




#25
 Fluoranthene-d10
 Concen: 0.354 ng
 RT: 19.27 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE094132.D
 Acq: 26 Sep 2017 17:16

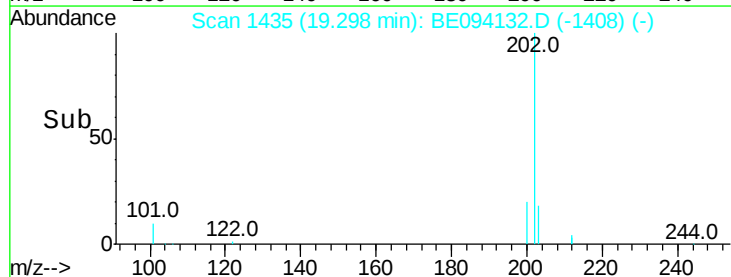
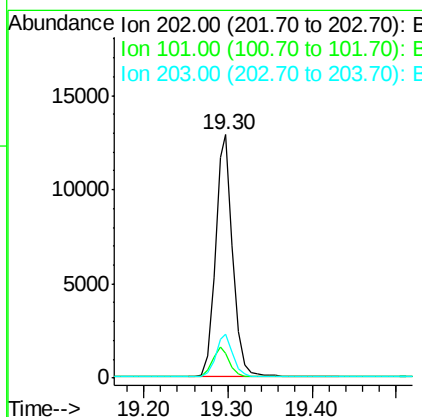
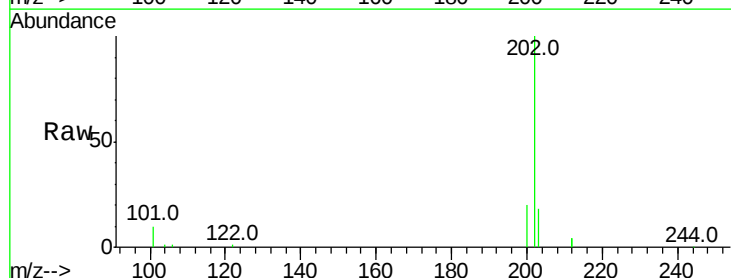
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion:212 Resp: 62209
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 2.1 1.6 2.4



#26
 Fluoranthene
 Concen: 0.356 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BE094132.D
 Acq: 26 Sep 2017 17:16

Tgt Ion:202 Resp: 18514
 Ion Ratio Lower Upper
 202 100
 101 12.5 9.8 14.8
 203 17.4 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

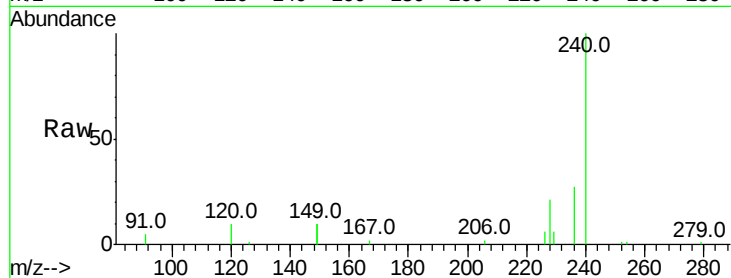
Tot Ion:240 Resp: 14279

Ion Ratio Lower Upper

240 100

120 10.0 5.5 8.3#

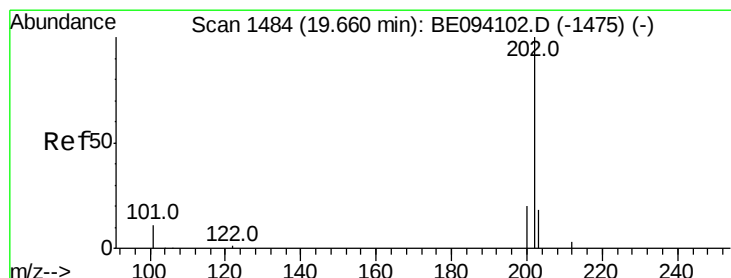
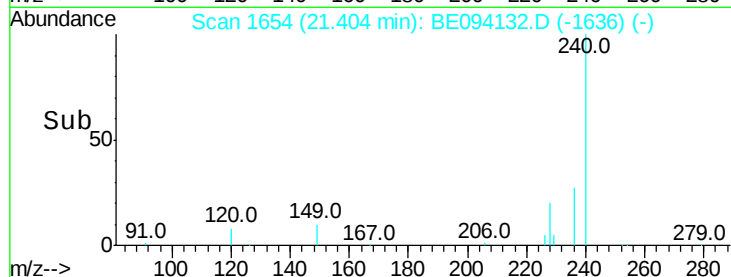
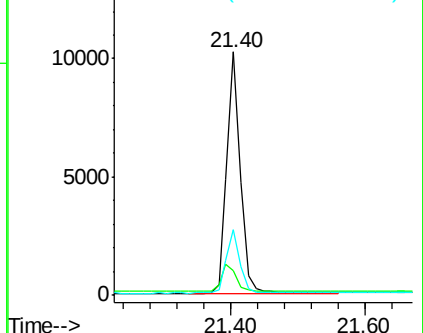
236 27.2 20.7 31.1



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: 0.431 ng

RT: 19.66 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

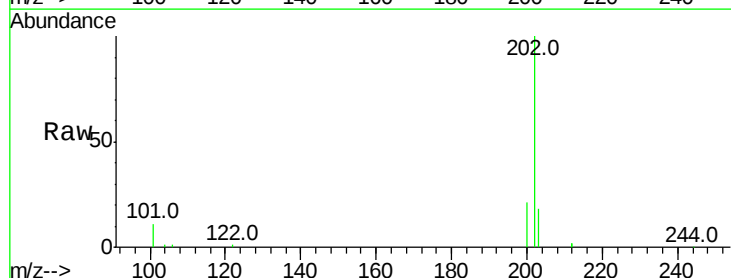
Tgt Ion:202 Resp: 19517

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

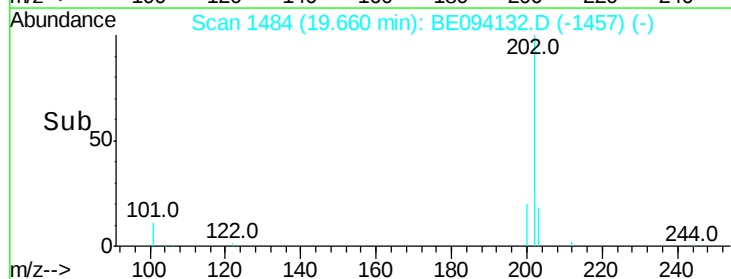
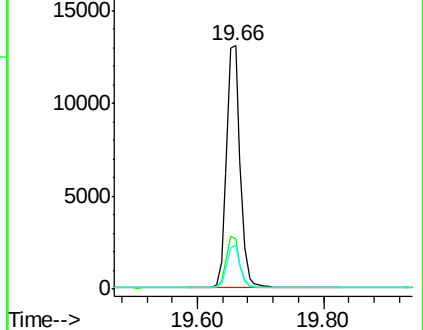
203 17.6 13.8 20.8

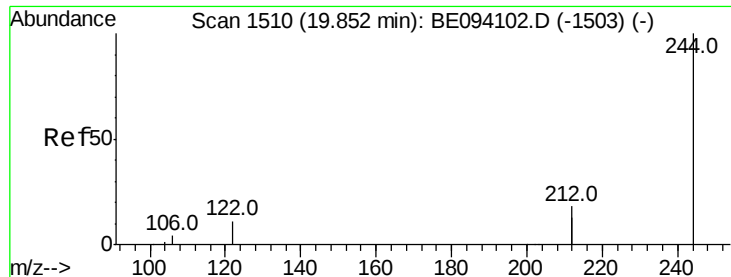


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.408 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

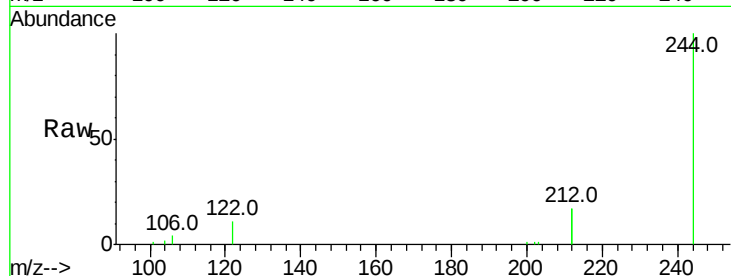
Tot Ion:244 Resp: 10638

Ion Ratio Lower Upper

244 100

212 33.3 25.4 38.0

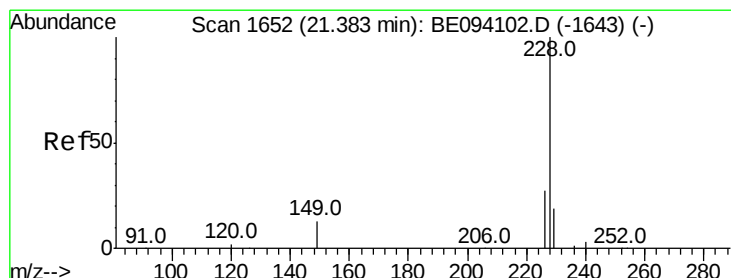
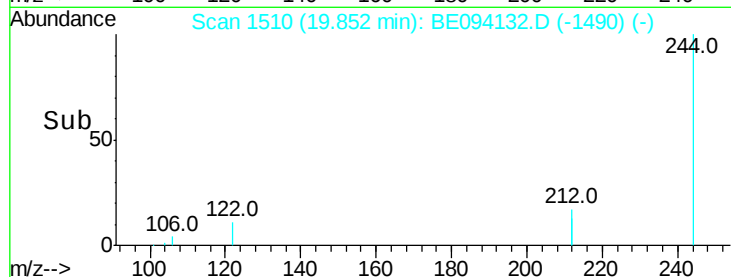
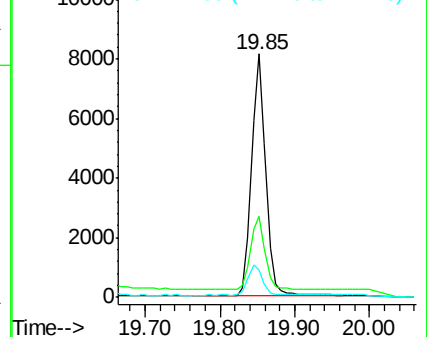
122 11.4 8.1 12.1



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: 0.384 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

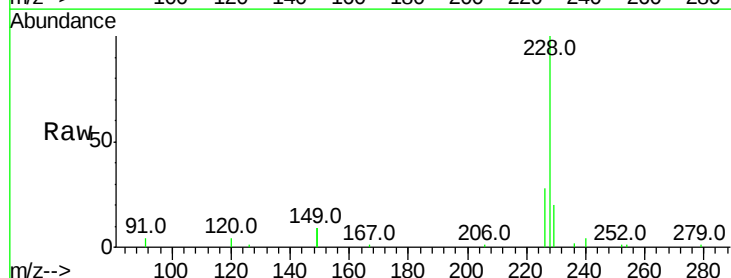
Tgt Ion:228 Resp: 18451

Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.0

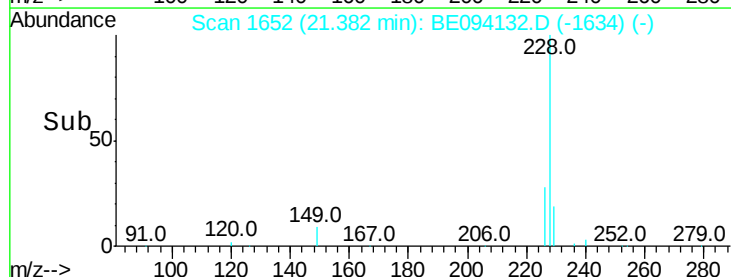
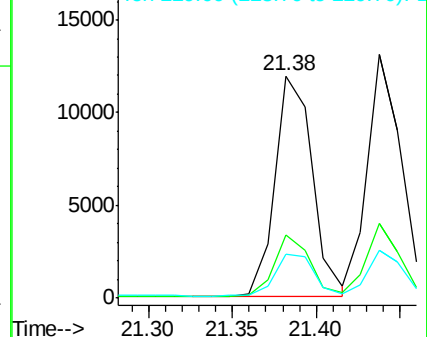
229 19.9 16.4 24.6

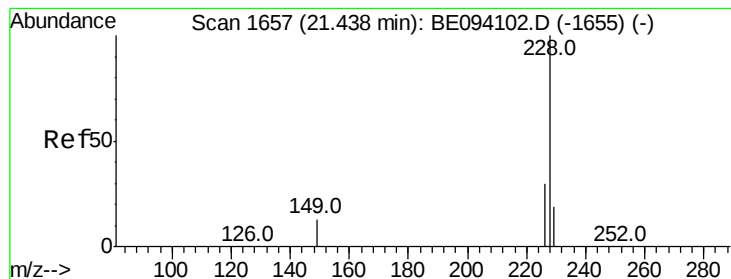


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.402 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

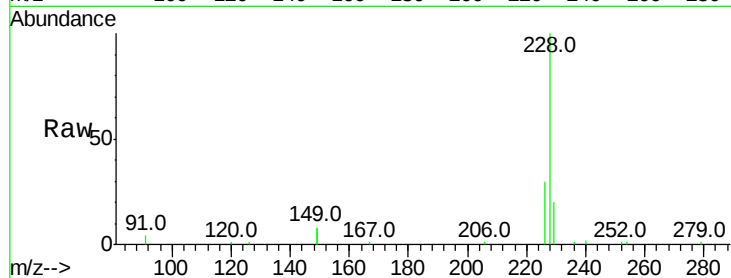
Tot Ion:228 Resp: 18664

Ion Ratio Lower Upper

228 100

226 30.4 23.6 35.4

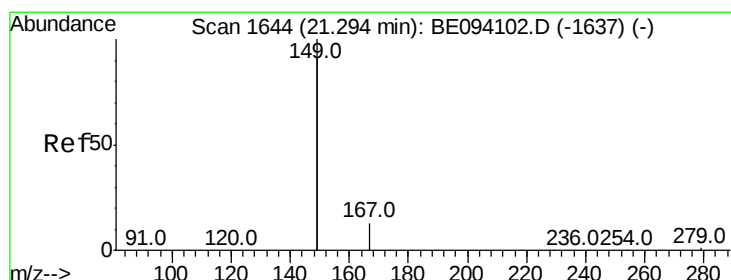
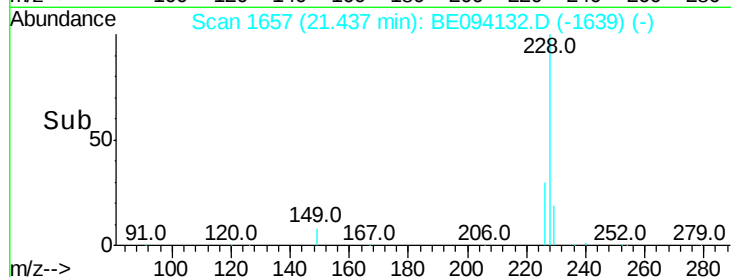
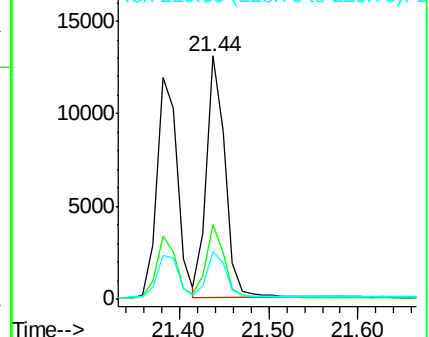
229 19.6 16.4 24.6



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: 0.181 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

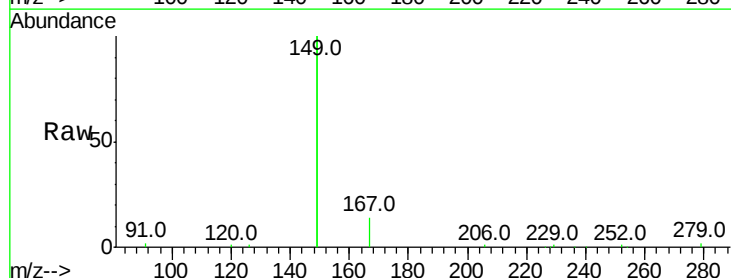
Tgt Ion:149 Resp: 51392

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

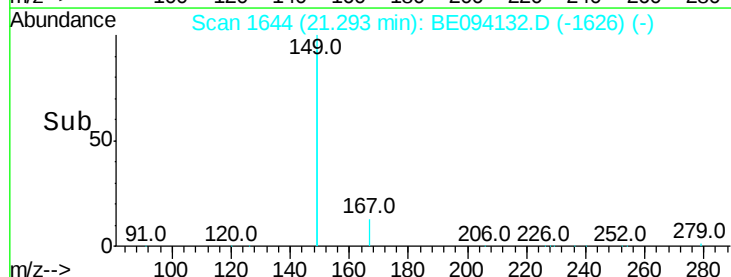
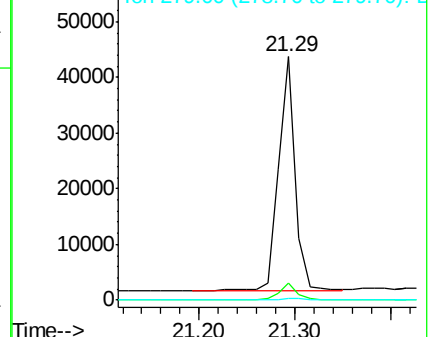
279 0.8 0.7 1.1



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

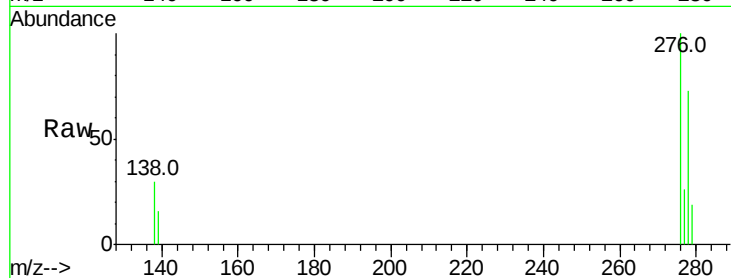




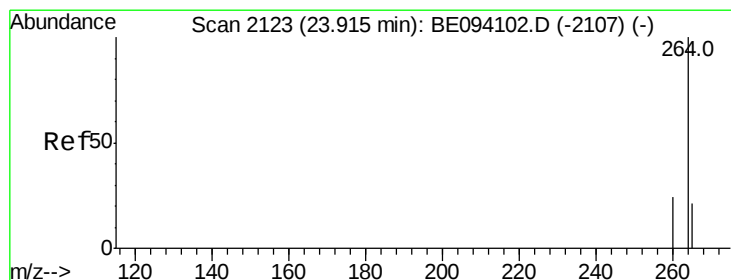
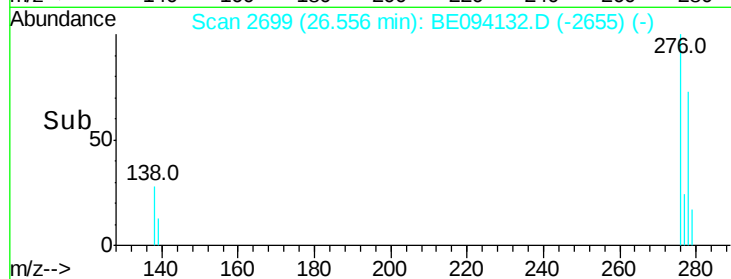
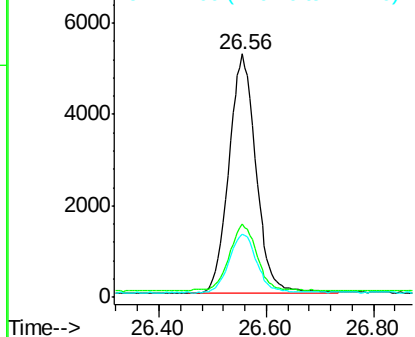
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.371 ng
RT: 26.56 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:276 Resp: 18428
Ion Ratio Lower Upper
276 100
138 28.7 22.5 33.7
277 24.8 19.9 29.9

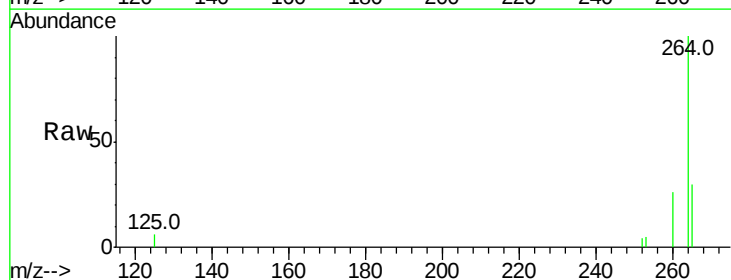


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

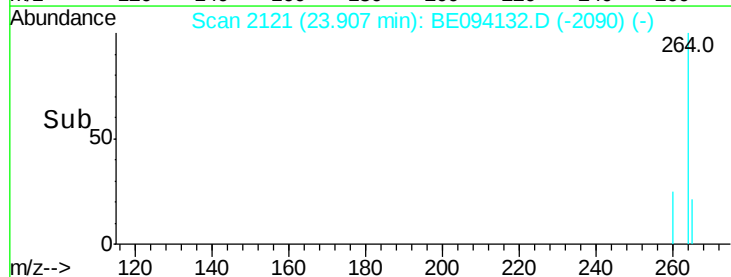
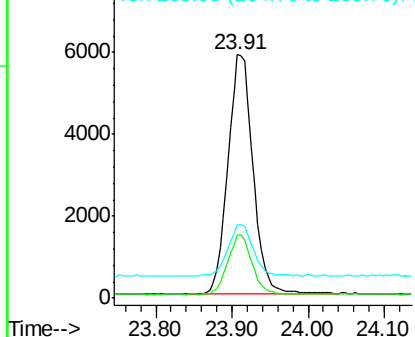


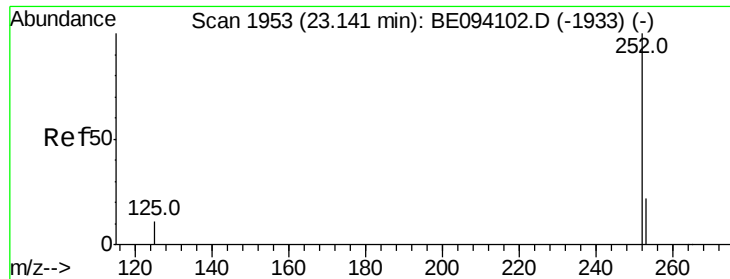
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE094132.D
Acq: 26 Sep 2017 17:16

Tgt Ion:264 Resp: 13497
Ion Ratio Lower Upper
264 100
260 25.9 20.5 30.7
265 30.0 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.364 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

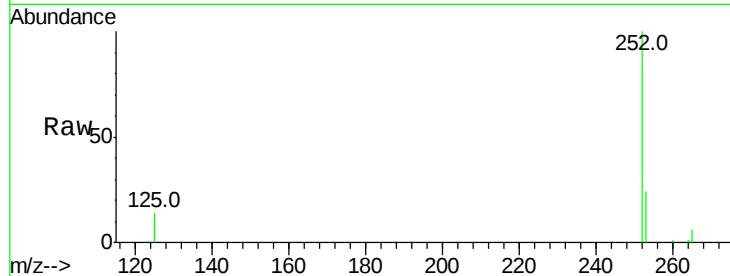
Tot Ion:252 Resp: 17704

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

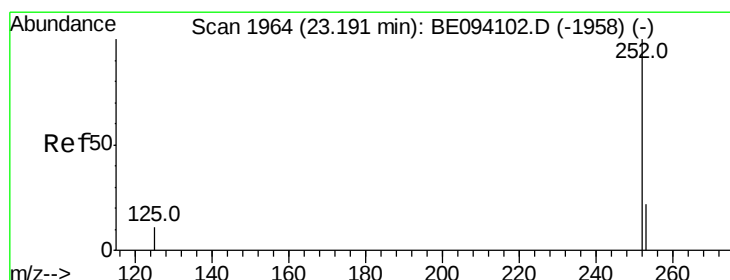
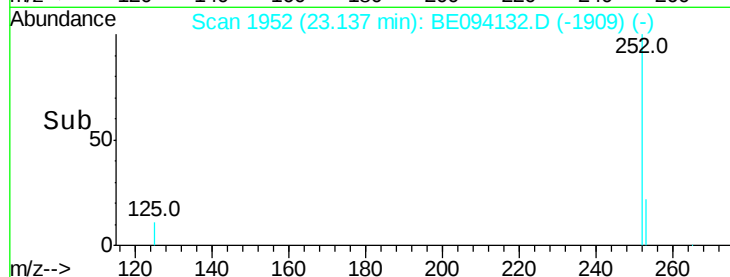
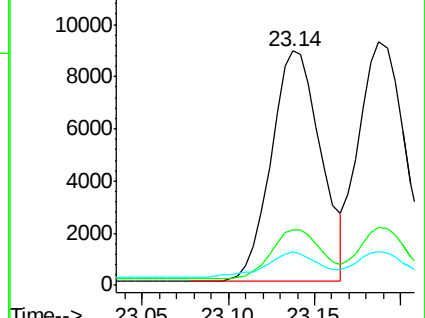
125 14.1 10.1 15.1



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: 0.376 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

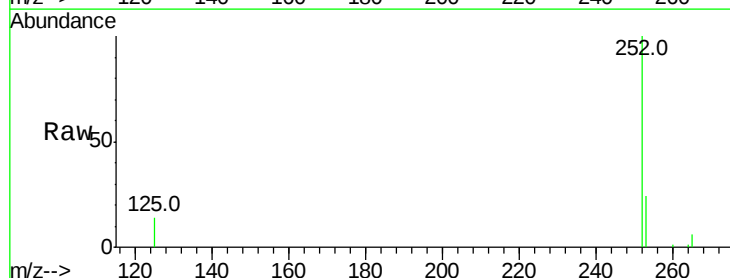
Tgt Ion:252 Resp: 17551

Ion Ratio Lower Upper

252 100

253 23.8 18.6 27.8

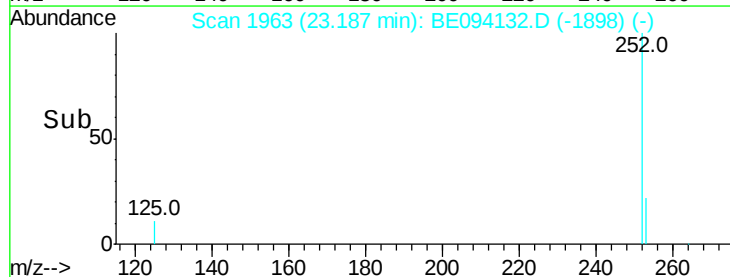
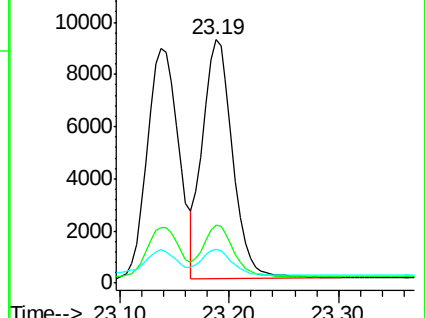
125 13.9 10.7 16.1



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: 0.381 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

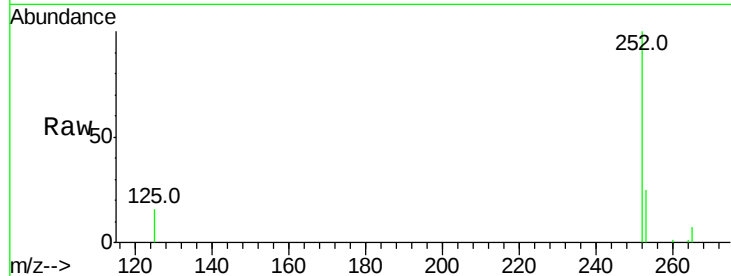
Tot Ion:252 Resp: 16756

Ion Ratio Lower Upper

252 100

253 24.5 19.0 28.6

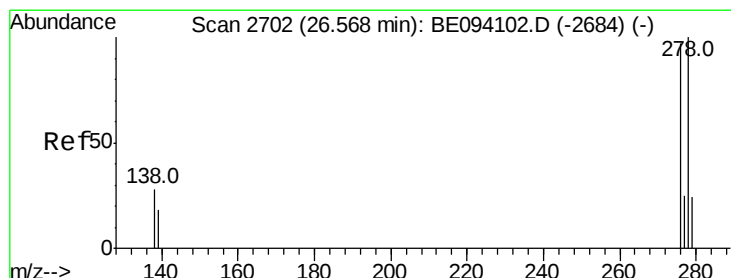
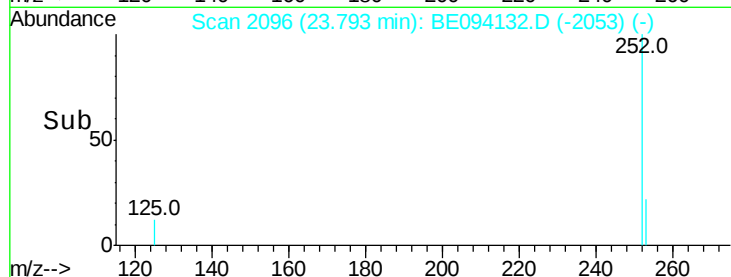
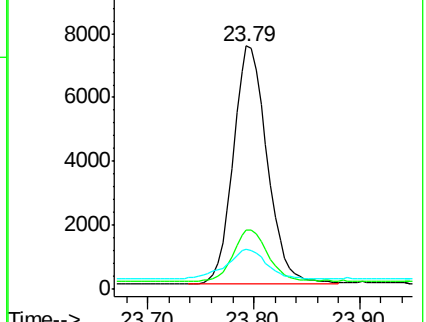
125 16.3 11.8 17.8



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: 0.376 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.00 min

Lab File: BE094132.D

Acq: 26 Sep 2017 17:16

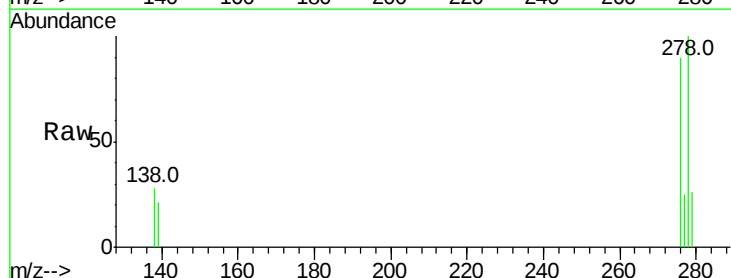
Tgt Ion:278 Resp: 15664

Ion Ratio Lower Upper

278 100

139 20.8 16.3 24.5

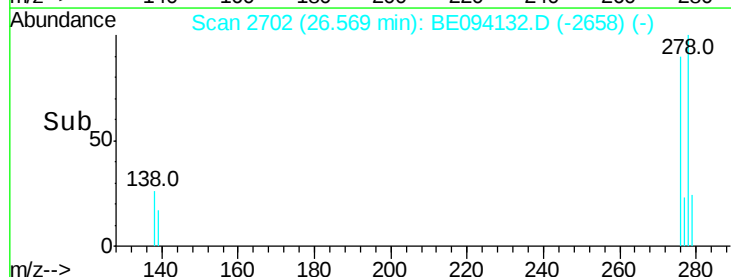
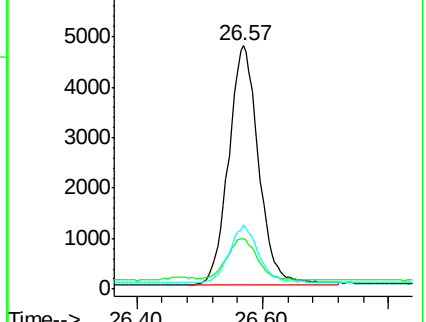
279 26.3 19.9 29.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.381 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BE094132.D

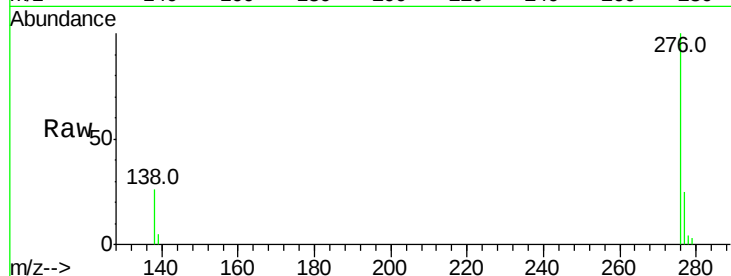
Acq: 26 Sep 2017 17:16

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tot Ion:276 Resp: 15704

Ion Ratio Lower Upper

276 100

277 24.9 20.8 31.2

138 26.4 21.5 32.3

