

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
 Data File : BE094175.D
 Acq On : 6 Oct 2017 12:02
 Operator : SJ/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Quant Time: Oct 06 13:45:18 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 13:44:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1331	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6405	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3692	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	10735	0.40	ng	0.00
27) Chrysene-d12	21.40	240	9847	0.40	ng	0.00
34) Perylene-d12	23.91	264	9358	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	875	0.17	ng	0.00
5) Phenol-d6	7.09	99	1267	0.18	ng	0.00
8) Nitrobenzene-d5	9.06	82	1019	0.16	ng	0.02
11) 2-Methylnaphthalene-d10	12.27	152	1936	0.20	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	256	0.11	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	2572	0.21	ng	0.00
25) Fluoranthene-d10	19.27	212	21533	0.21	ng	0.00
29) Terphenyl-d14	19.85	244	3761	0.21	ng	0.00

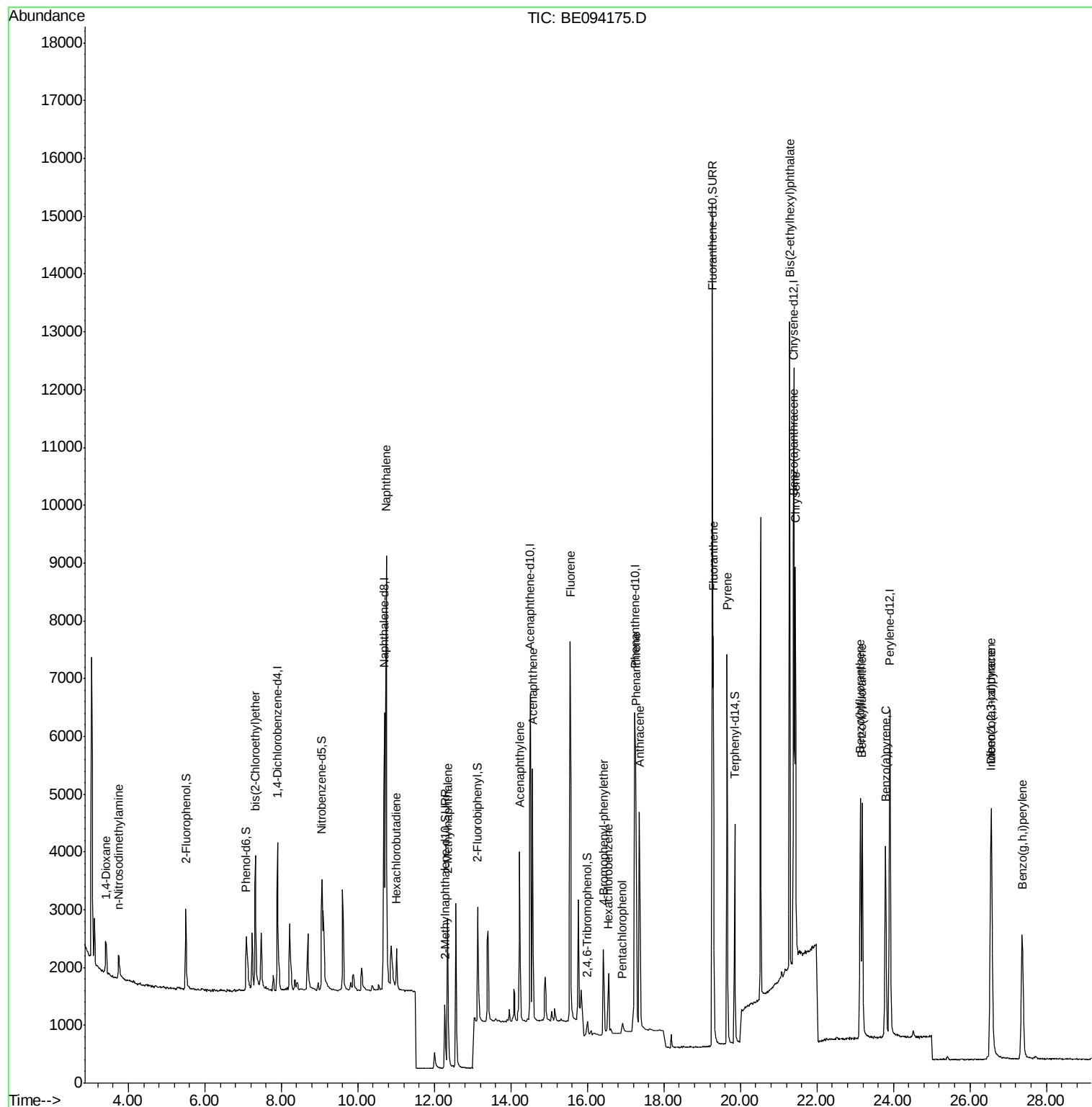
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	582	0.224	ng	# 83
3) n-Nitrosodimethylamine	3.74	42	513	0.155	ng	# 89
6) bis(2-Chloroethyl)ether	7.33	93	1050	0.193	ng	94
9) Naphthalene	10.74	128	14451	0.200	ng	99
10) Hexachlorobutadiene	11.01	225	573	0.211	ng	97
12) 2-Methylnaphthalene	12.35	142	2324	0.198	ng	97
16) Acenaphthylene	14.23	152	3589	0.194	ng	99
17) Acenaphthene	14.57	154	2444	0.211	ng	96
18) Fluorene	15.55	166	3195	0.204	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	1175	0.267	ng	96
21) Hexachlorobenzene	16.55	284	1115	0.401	ng	90
22) Pentachlorophenol	16.91	266	229	0.090	ng	86
23) Phenanthrene	17.27	178	7356	0.268	ng	99
24) Anthracene	17.37	178	5994	0.208	ng	98
26) Fluoranthene	19.30	202	6499	0.211	ng	99
28) Pyrene	19.65	202	6879	0.220	ng	99
30) Benzo(a)anthracene	21.38	228	6491	0.196	ng	99
31) Chrysene	21.44	228	6577	0.206	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	15131	0.095	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	6419	0.187	ng	99
35) Benzo(b)fluoranthene	23.14	252	6140	0.182	ng	94
36) Benzo(k)fluoranthene	23.19	252	6326	0.196	ng	95
37) Benzo(a)pyrene	23.79	252	5859	0.192	ng	# 95
38) Dibenzo(a,h)anthracene	26.57	278	5404	0.187	ng	95
39) Benzo(g,h,i)perylene	27.37	276	5654	0.198	ng	99

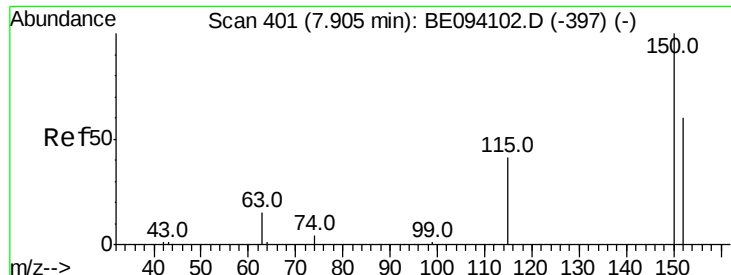
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

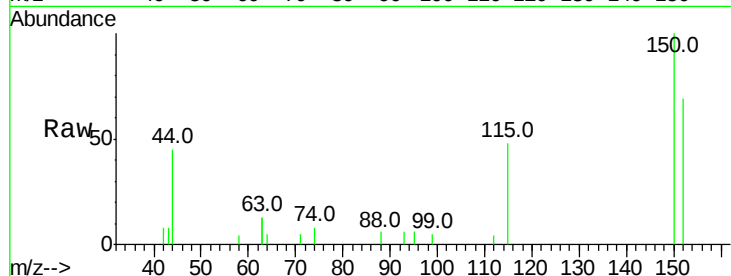
Tot Ion:152 Resp: 1331

Ion Ratio Lower Upper

152 100

150 144.7 117.2 175.8

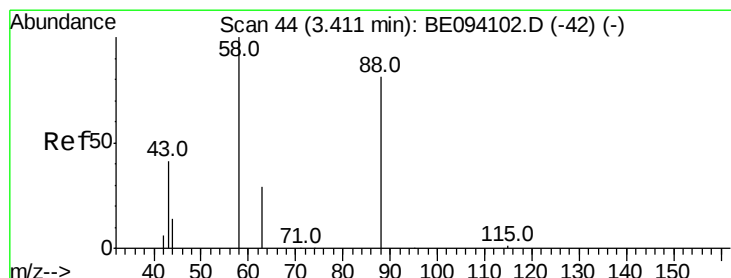
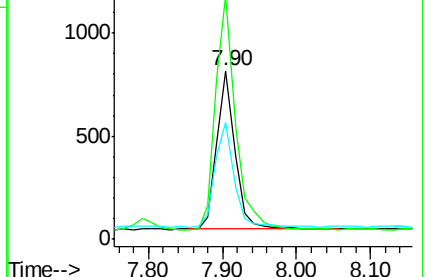
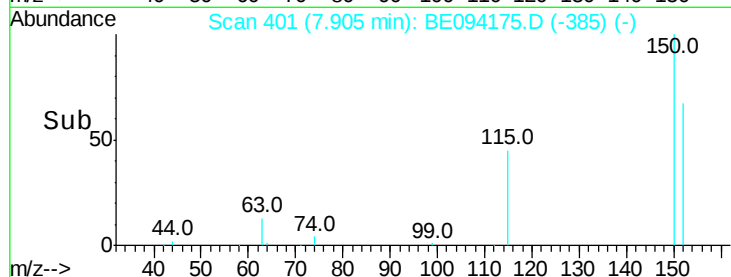
115 69.9 57.0 85.6



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: 0.224 ng

RT: 3.42 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

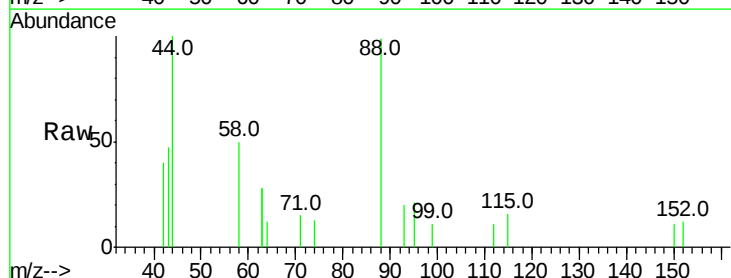
Tgt Ion: 88 Resp: 582

Ion Ratio Lower Upper

88 100

58 68.7 63.2 94.8

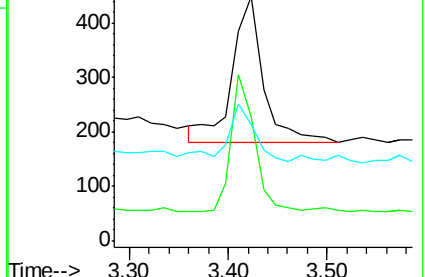
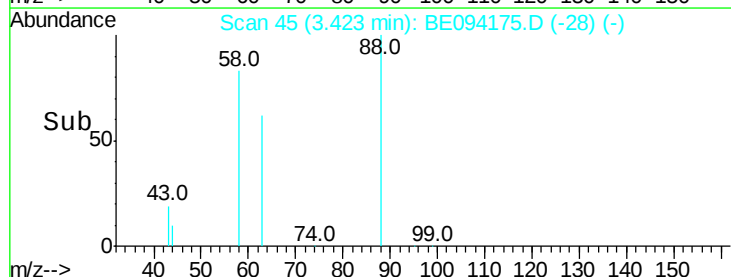
43 33.7 41.2 61.8#



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: 0.155 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

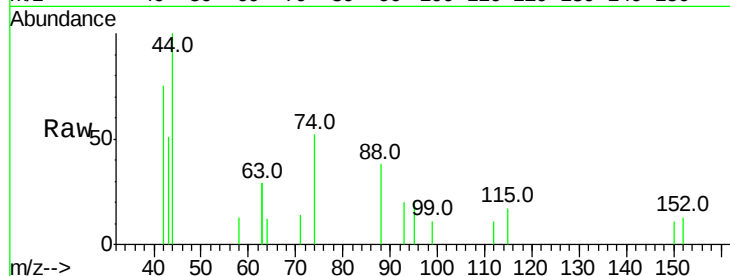
Tot Ion: 42 Resp: 513

Ion Ratio Lower Upper

42 100

74 119.3 100.3 150.5

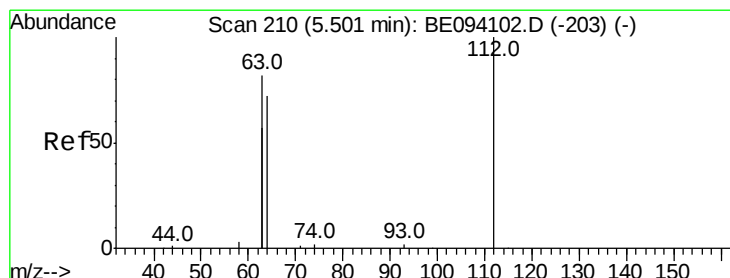
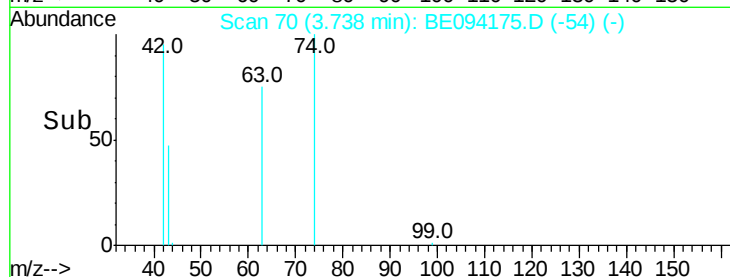
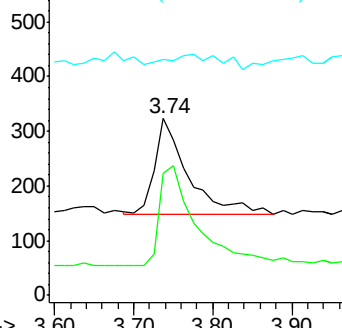
44 0.0 17.0 25.4#



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: 0.173 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

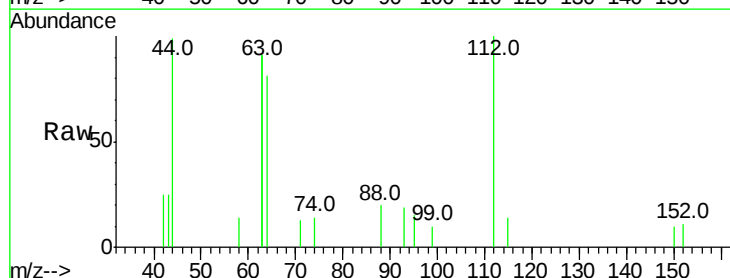
Tgt Ion: 112 Resp: 875

Ion Ratio Lower Upper

112 100

64 78.1 60.1 90.1

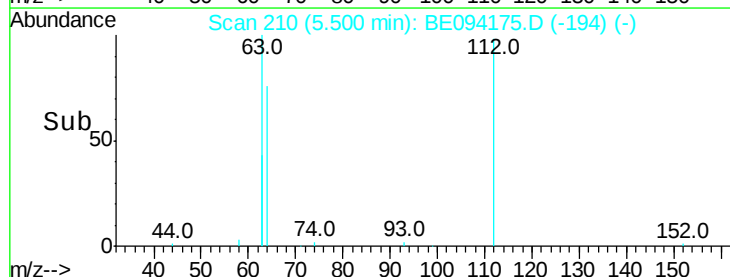
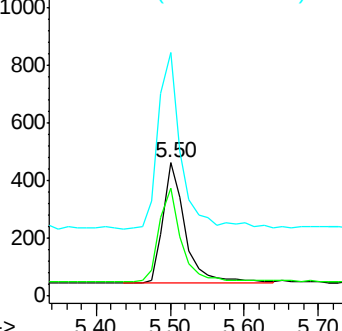
63 153.1 116.8 175.2

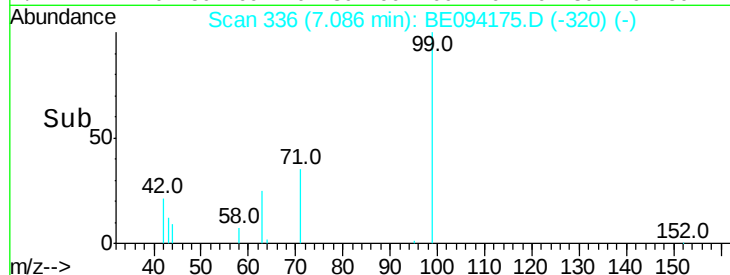
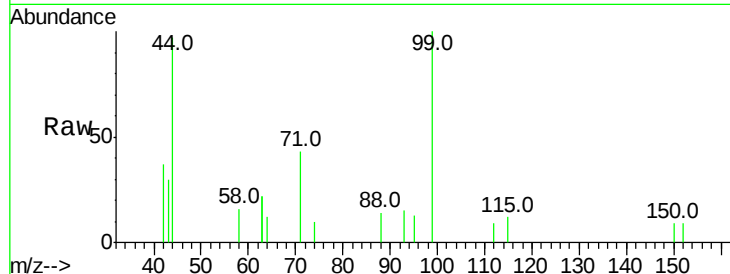


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.181 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

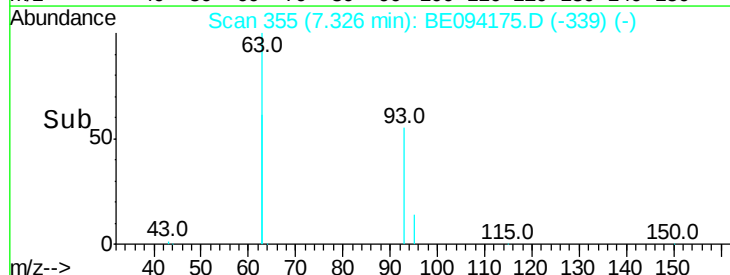
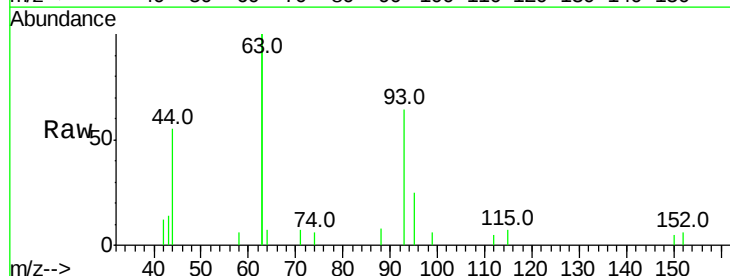
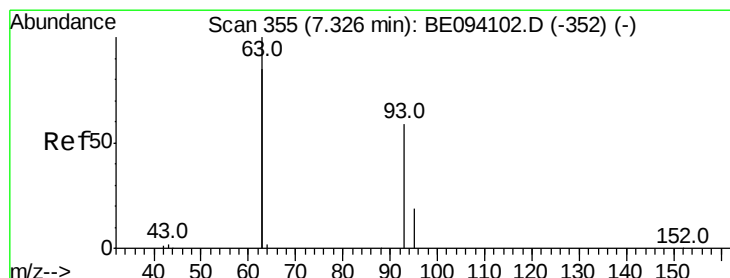
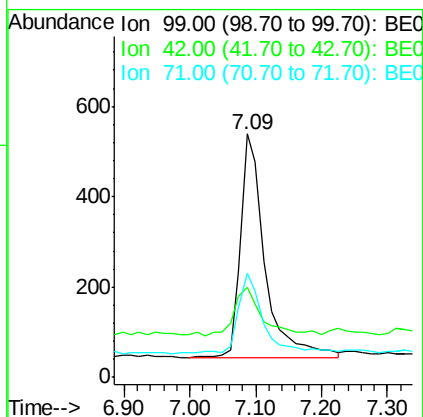
Tot Ion: 99 Resp: 1267

Ion Ratio Lower Upper

99 100

42 25.3 20.2 30.2

71 37.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.193 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

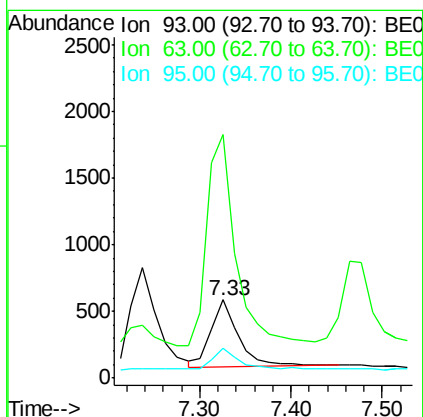
Tgt Ion: 93 Resp: 1050

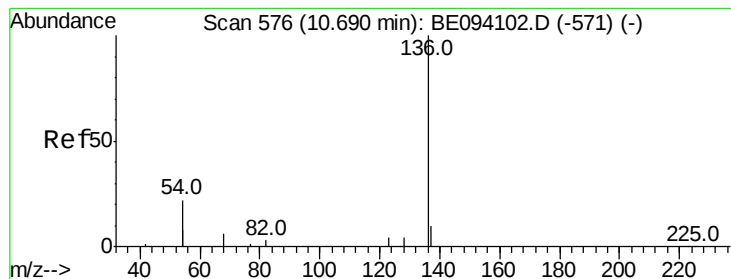
Ion Ratio Lower Upper

93 100

63 329.9 275.3 412.9

95 33.0 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: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

Tot Ion:136 Resp: 6405

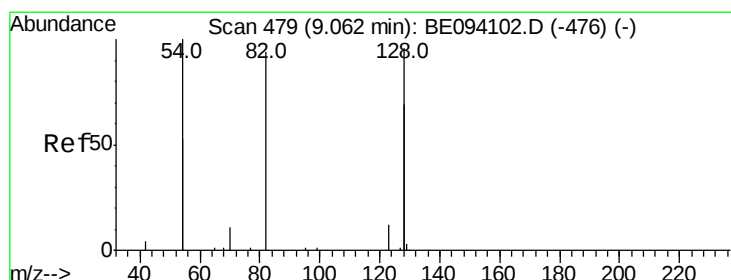
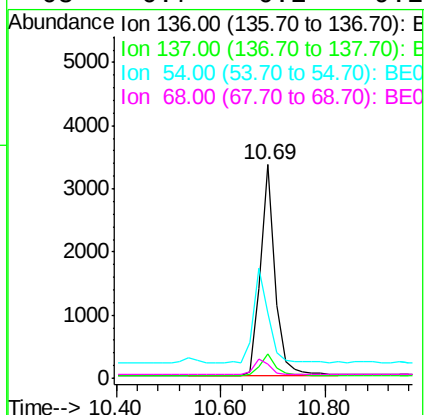
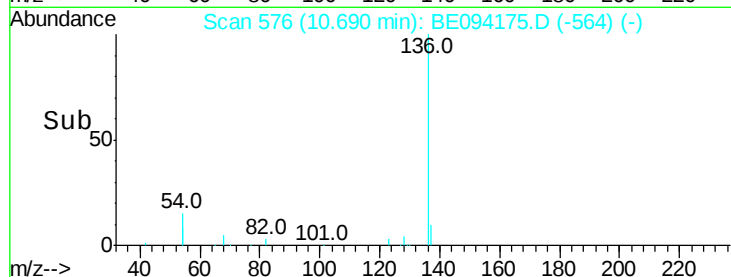
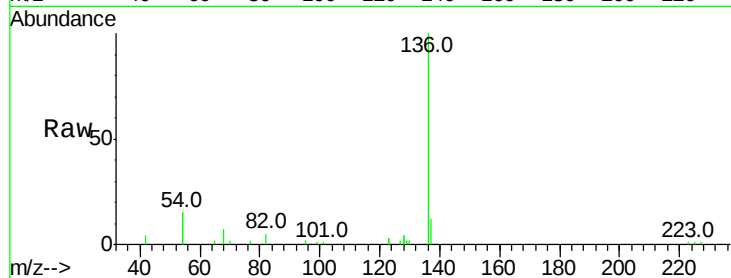
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 30.6 29.1 43.7

68 6.7 6.2 9.2



#8

Nitrobenzene-d5

Concen: 0.164 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.02 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

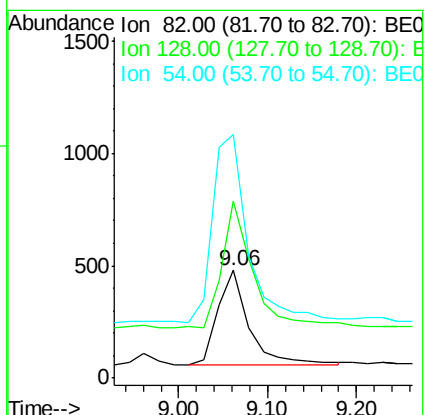
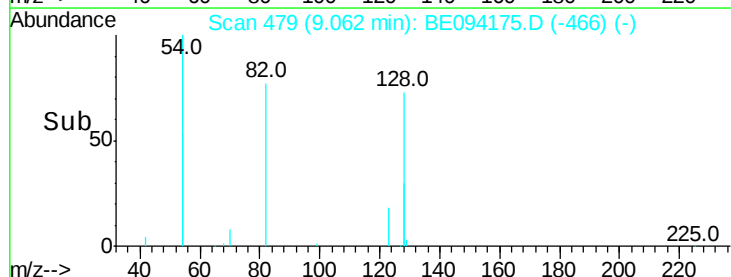
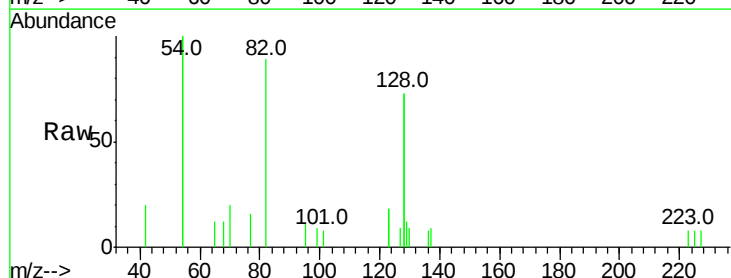
Tgt Ion: 82 Resp: 1019

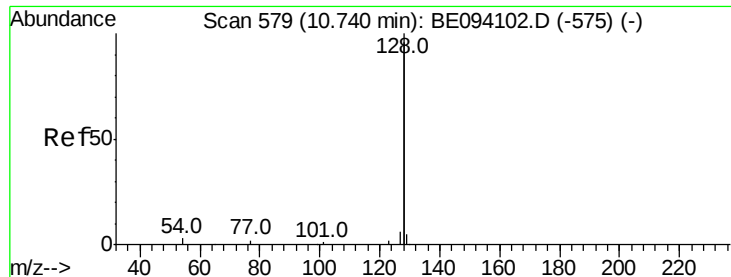
Ion Ratio Lower Upper

82 100

128 164.2 150.0 225.0

54 225.8 154.2 231.4





#9

Naphthalene

Concen: 0.200 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

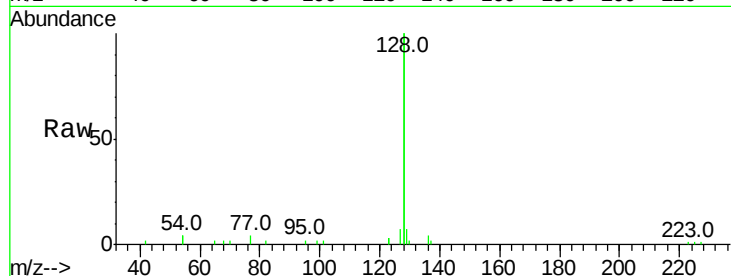
Tot Ion:128 Resp: 14451

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

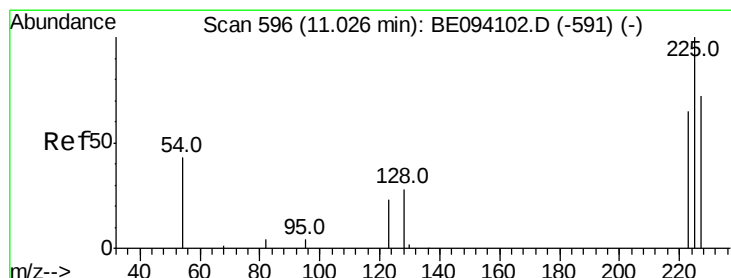
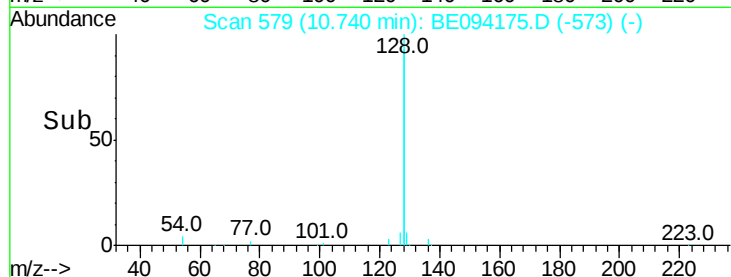
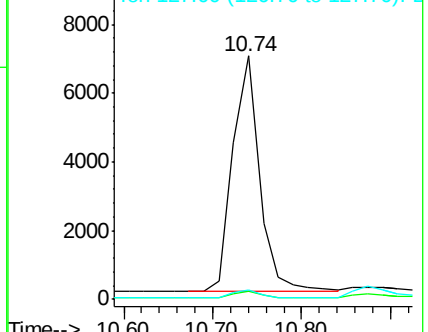
127 3.7 2.8 4.2



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: 0.211 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

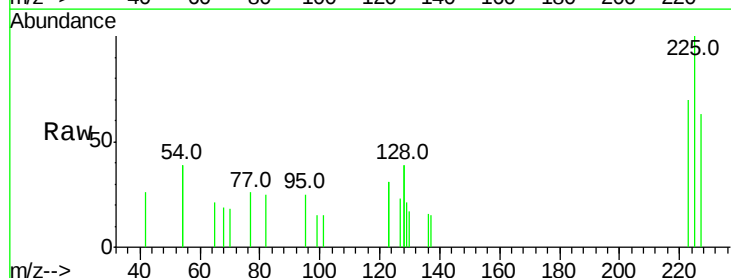
Tgt Ion:225 Resp: 573

Ion Ratio Lower Upper

225 100

223 62.5 53.0 79.6

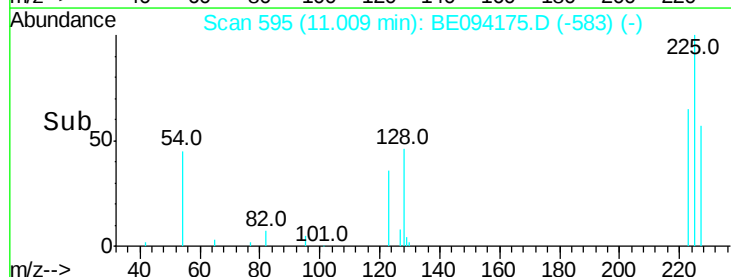
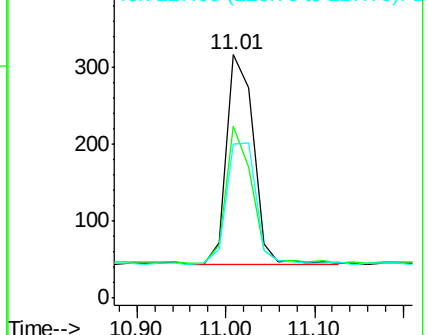
227 64.0 51.4 77.2



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: 0.196 ng

RT: 12.27 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

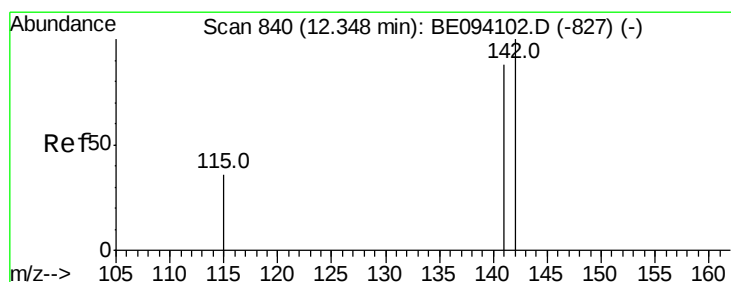
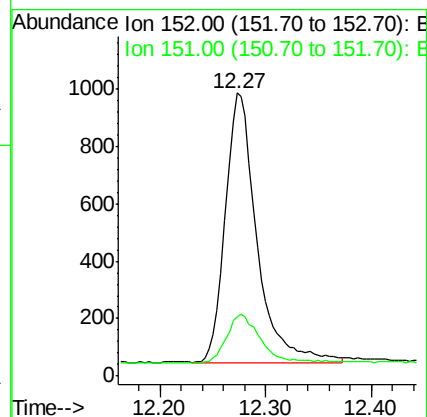
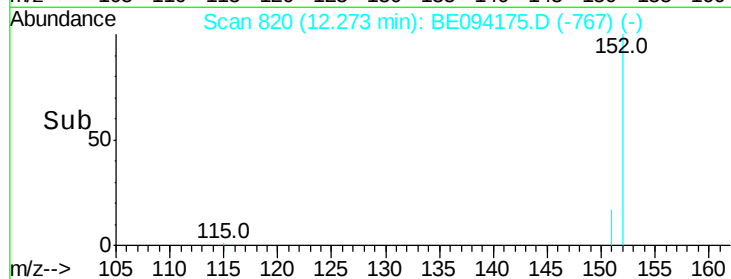
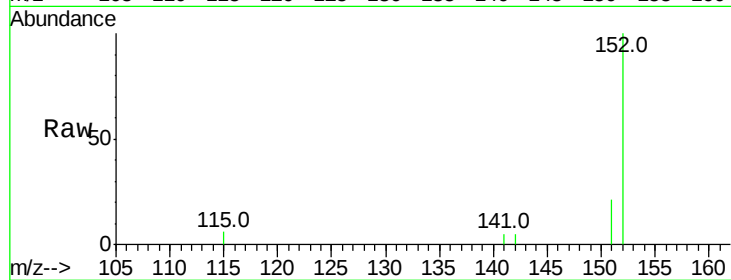
SSTDIC0.2

Tot Ion:152 Resp: 1936

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.198 ng

RT: 12.35 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

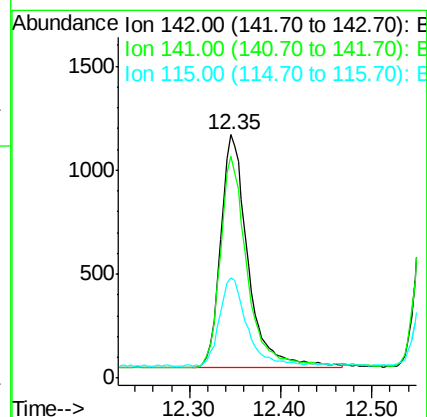
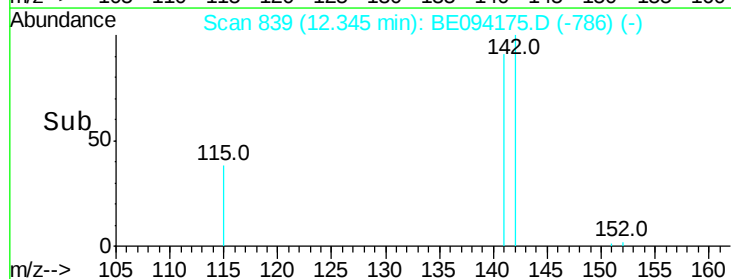
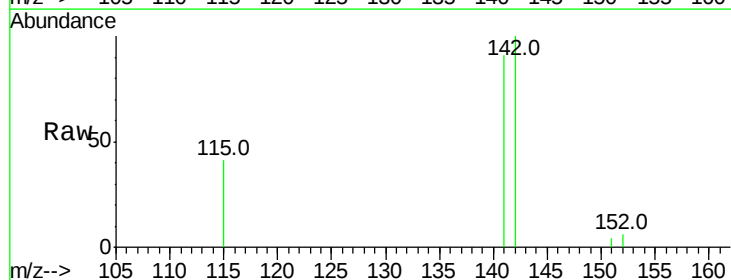
Tgt Ion:142 Resp: 2324

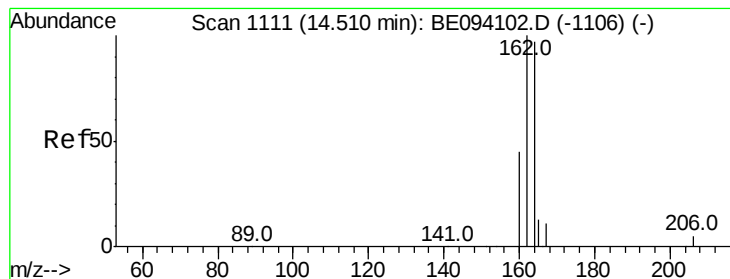
Ion Ratio Lower Upper

142 100

141 91.3 70.4 105.6

115 41.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

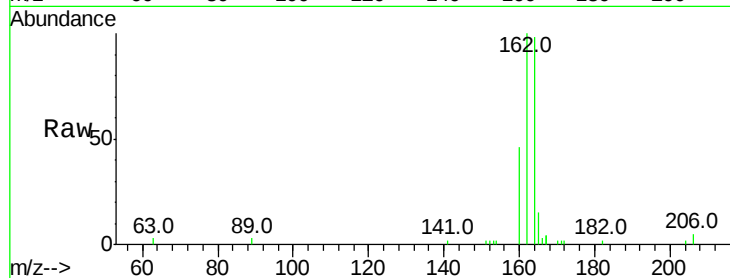
Tot Ion:164 Resp: 3692

Ion Ratio Lower Upper

164 100

162 101.6 83.1 124.7

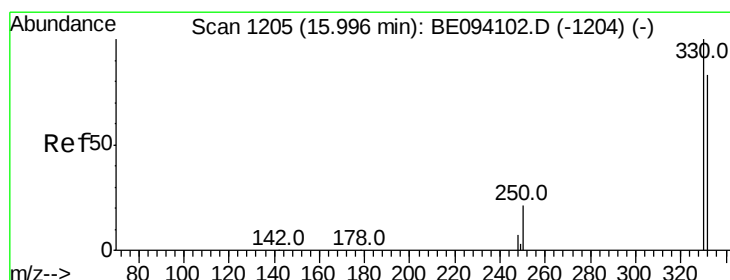
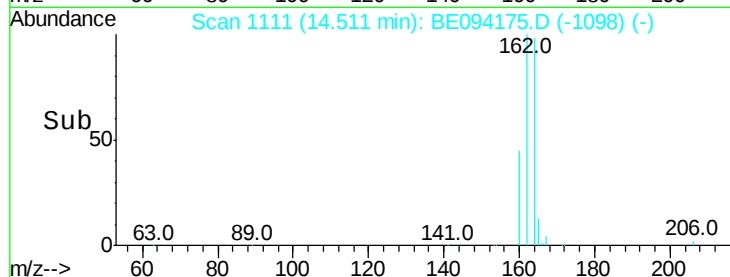
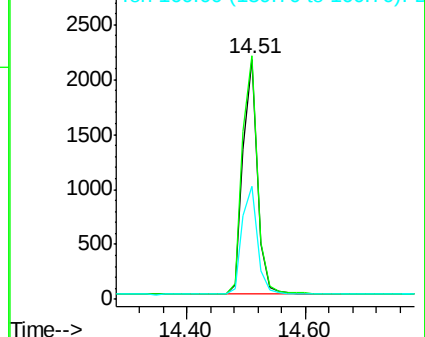
160 47.2 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.108 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

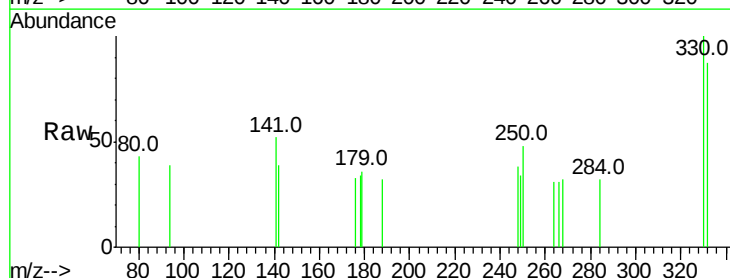
Tgt Ion:330 Resp: 256

Ion Ratio Lower Upper

330 100

332 88.7 152.7 229.1#

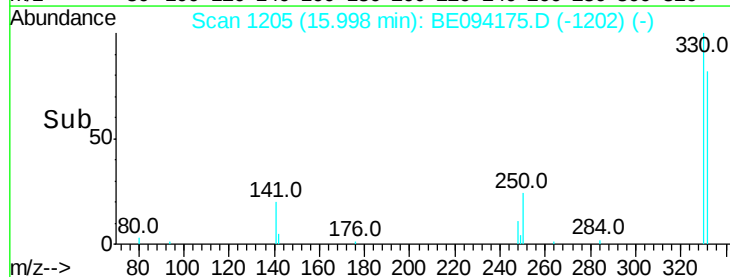
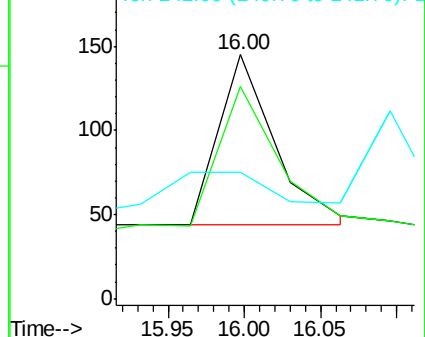
141 0.0 33.7 50.5#

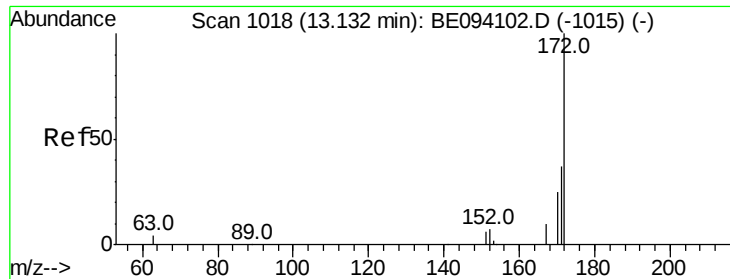


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

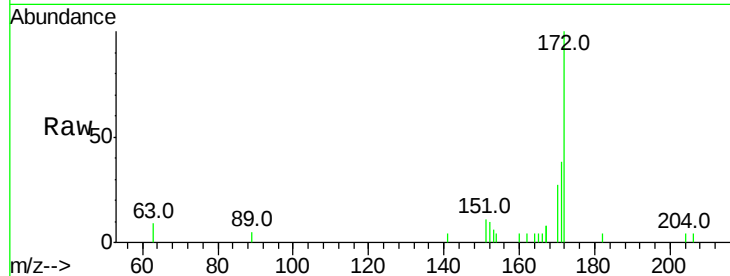




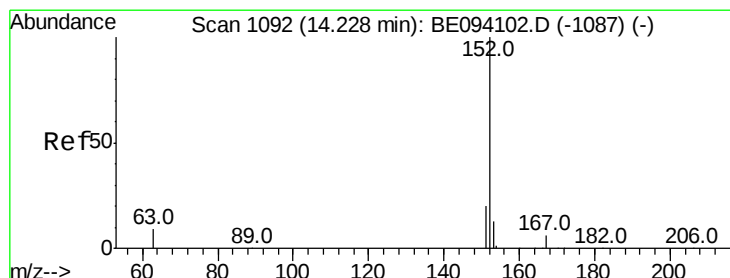
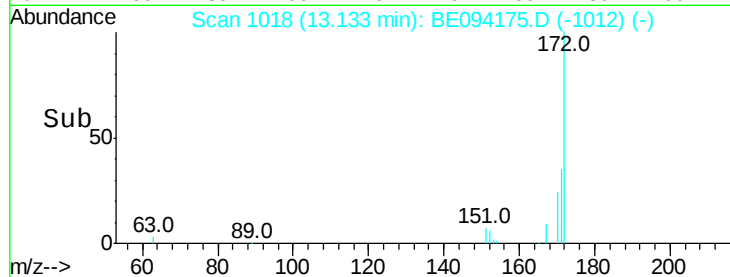
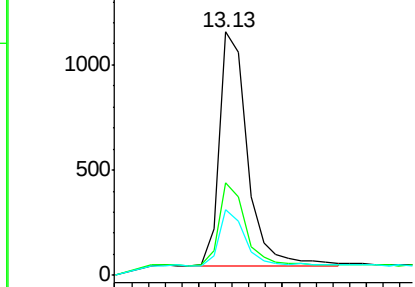
#15
2-Fluorobiphenyl
Concen: 0.211 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094175.D
Acq: 6 Oct 2017 12:02

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tot Ion:172 Resp: 2572
Ion Ratio Lower Upper
172 100
171 37.9 29.9 44.9
170 27.1 21.8 32.8

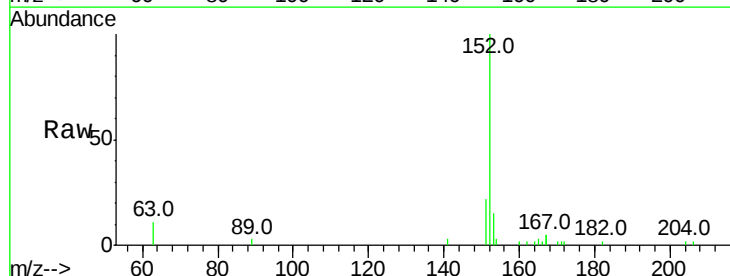


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

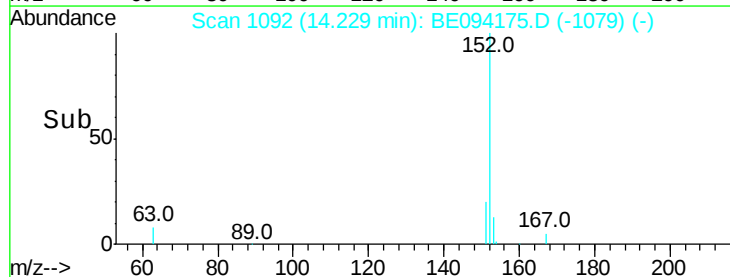
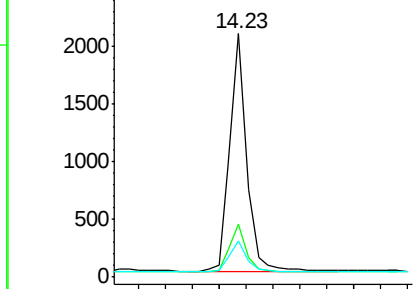


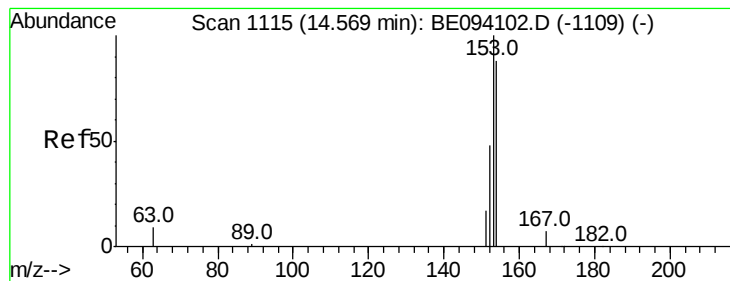
#16
Acenaphthylene
Concen: 0.194 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094175.D
Acq: 6 Oct 2017 12:02

Tgt Ion:152 Resp: 3589
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.3 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.211 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

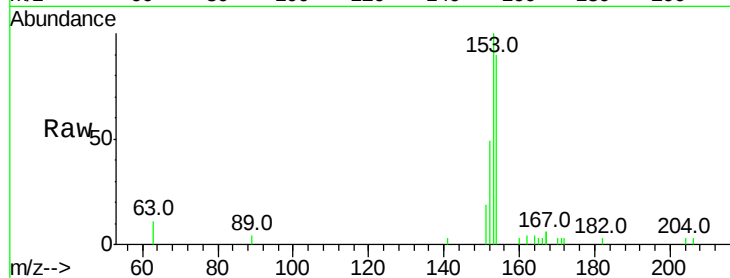
Tot Ion:154 Resp: 2444

Ion Ratio Lower Upper

154 100

153 114.5 89.2 133.8

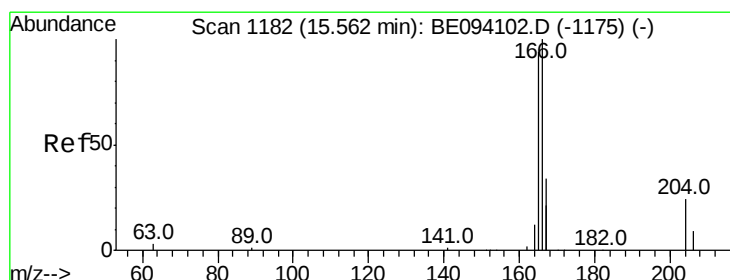
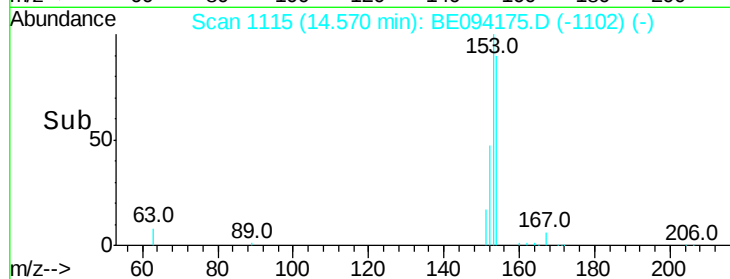
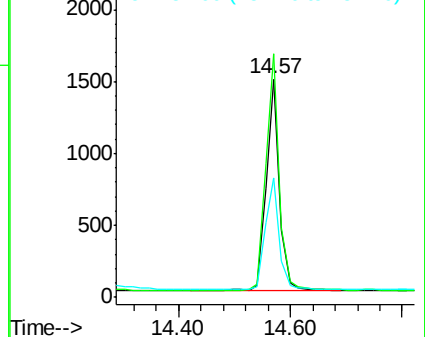
152 56.1 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.204 ng

RT: 15.55 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

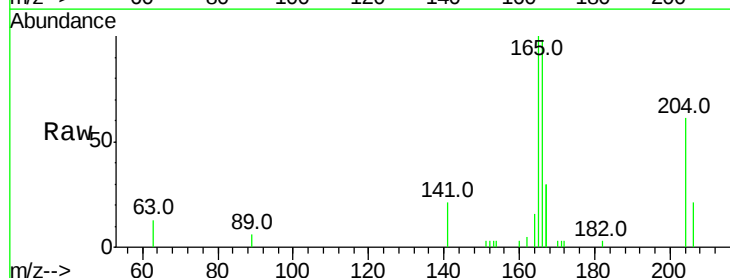
Tgt Ion:166 Resp: 3195

Ion Ratio Lower Upper

166 100

165 97.7 77.8 116.6

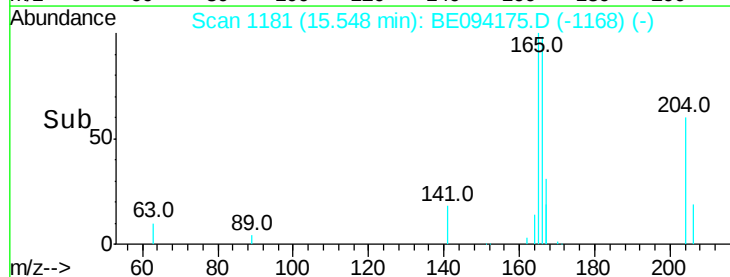
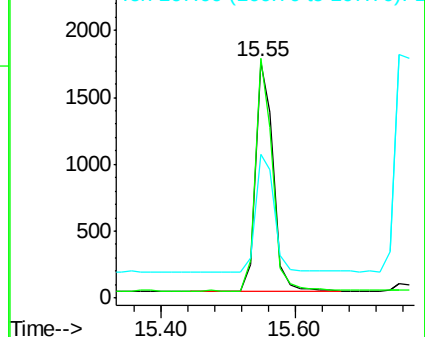
167 53.2 42.4 63.6

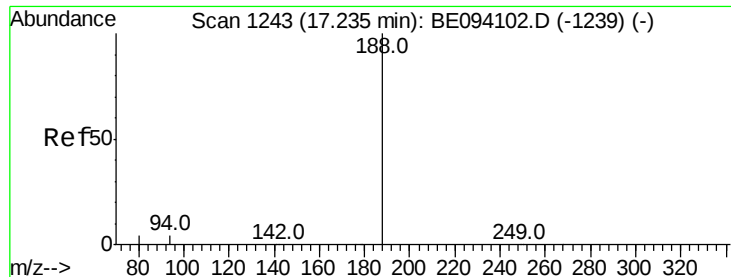


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

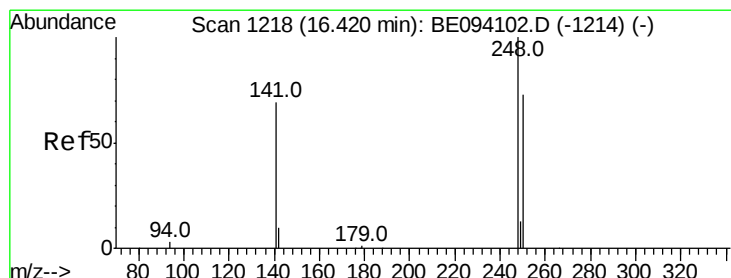
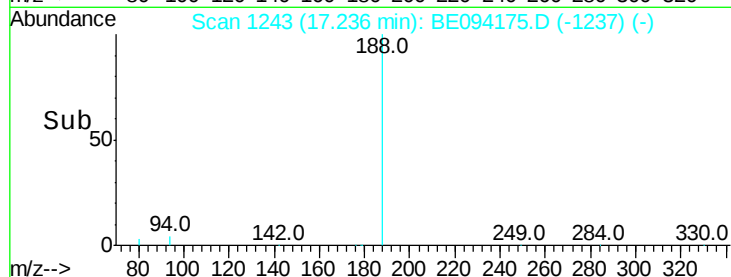
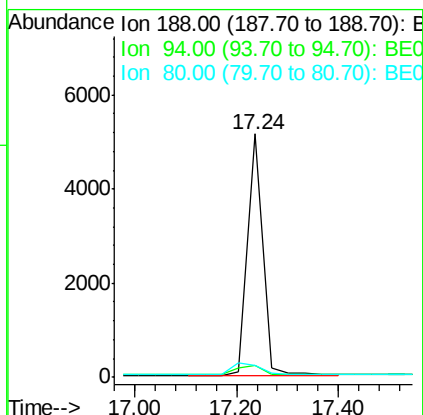
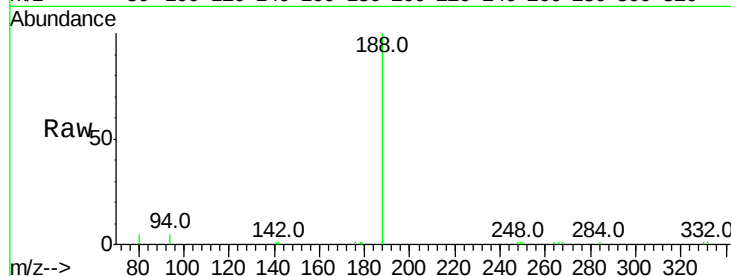




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094175.D
Acq: 6 Oct 2017 12:02

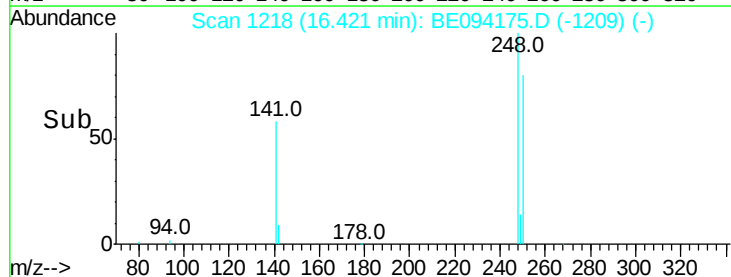
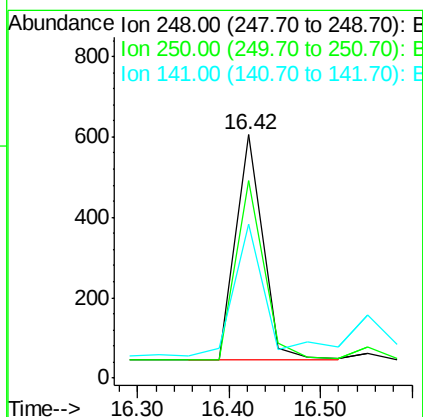
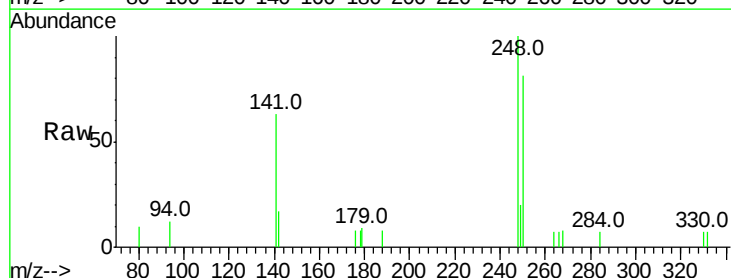
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

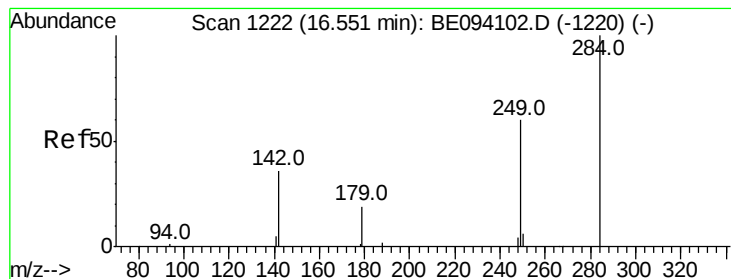
Tot Ion:188 Resp: 10735
Ion Ratio Lower Upper
188 100
94 5.0 3.9 5.9
80 4.7 3.6 5.4



#20
4-Bromophenyl-phenylether
Concen: 0.267 ng
RT: 16.42 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BE094175.D
Acq: 6 Oct 2017 12:02

Tgt Ion:248 Resp: 1175
Ion Ratio Lower Upper
248 100
250 81.2 62.7 94.1
141 63.4 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.401 ng

RT: 16.55 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

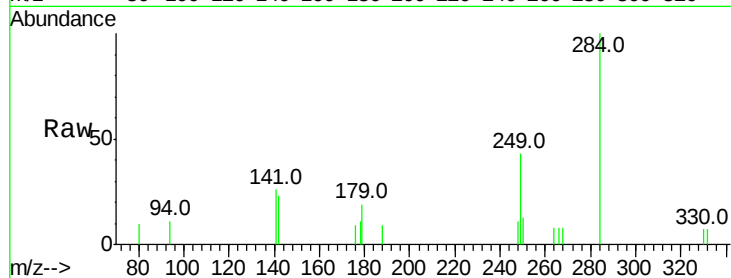
Tot Ion:284 Resp: 1115

Ion	Ratio	Lower	Upper
284	100		
142	24.2	22.1	33.1
249	36.0	34.8	52.2

284 100

142 24.2 22.1 33.1

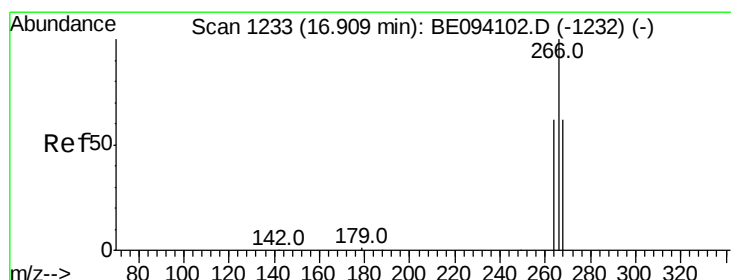
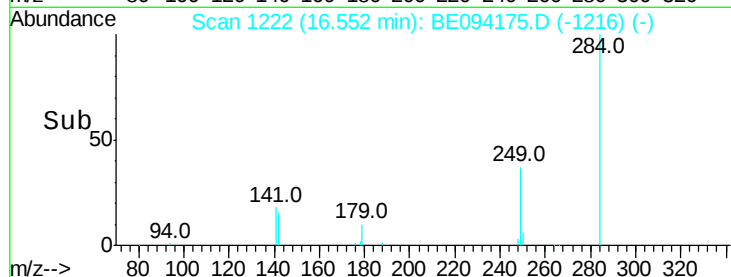
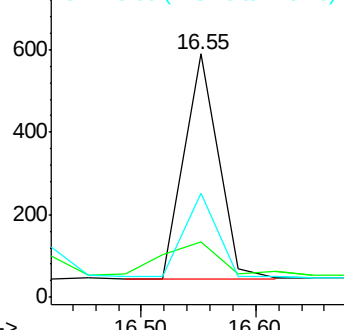
249 36.0 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.090 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

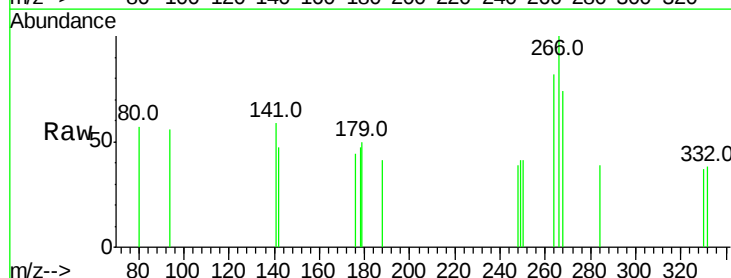
Tgt Ion:266 Resp: 229

Ion	Ratio	Lower	Upper
266	100		
264	81.9	72.5	108.7
268	74.1	73.8	110.6

266 100

264 81.9 72.5 108.7

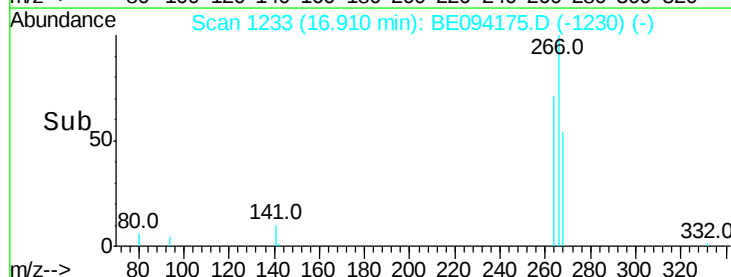
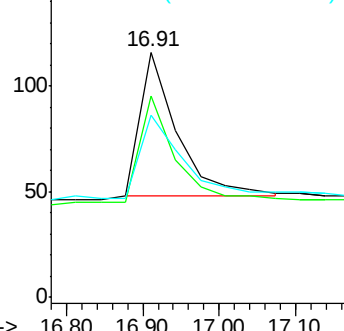
268 74.1 73.8 110.6



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: 0.268 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

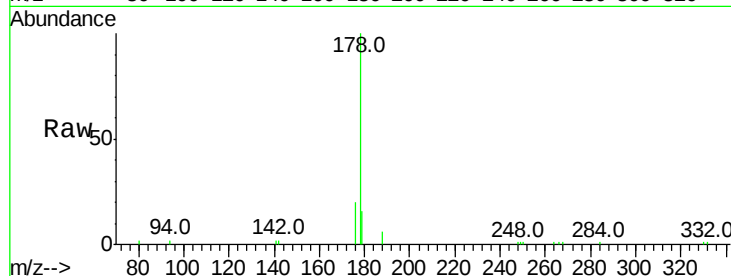
BNA_E

ClientSampleId :

SSTDIC0.2

Tot Ion:178 Resp: 7356

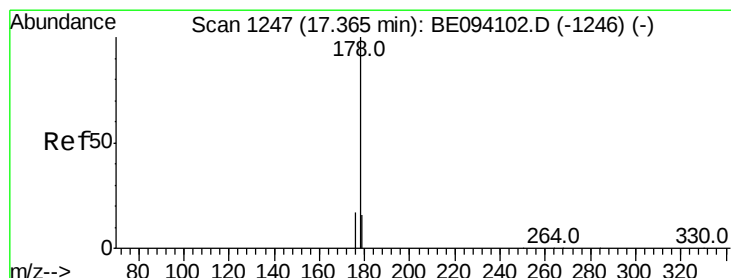
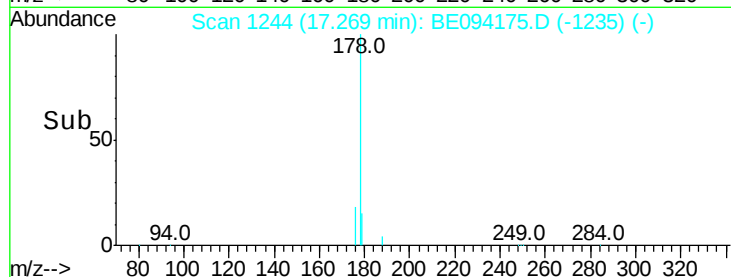
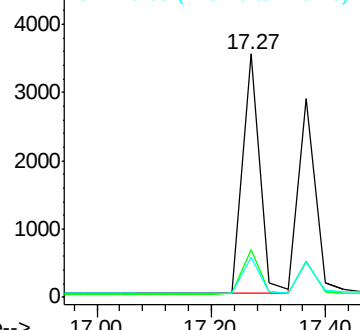
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.2	11.8	17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.208 ng

RT: 17.37 min Scan# 1247

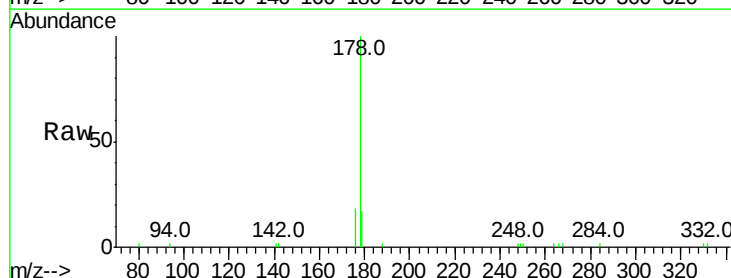
Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Tgt Ion:178 Resp: 5994

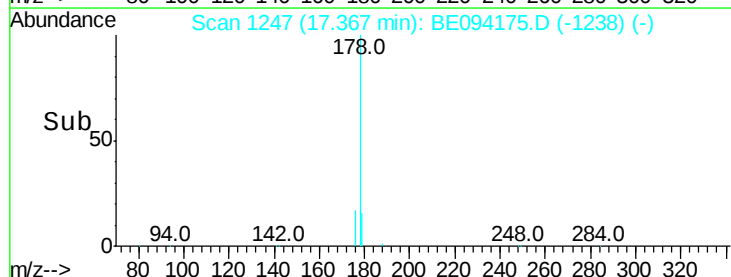
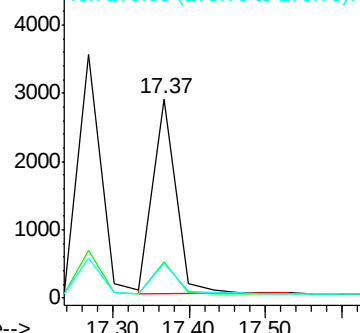
Ion	Ratio	Lower	Upper
178	100		
176	16.9	12.8	19.2
179	15.8	13.0	19.6



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

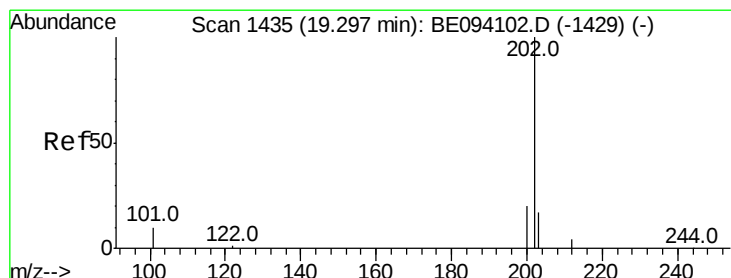
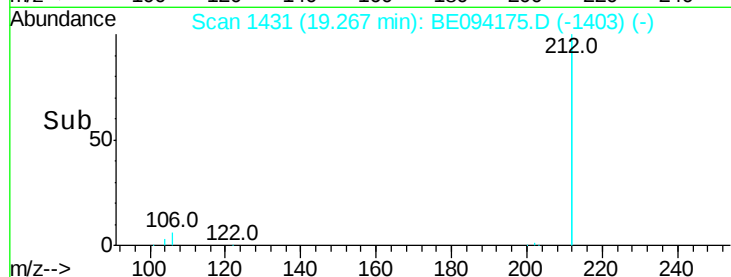
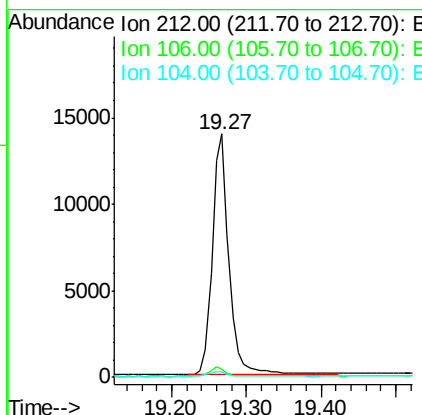
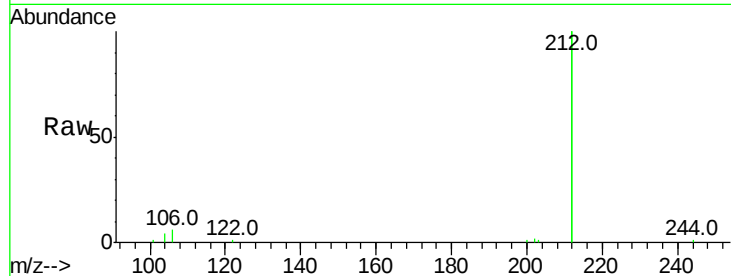




#25
 Fluoranthene-d10
 Concen: 0.207 ng
 RT: 19.27 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: BE094175.D
 Acq: 6 Oct 2017 12:02

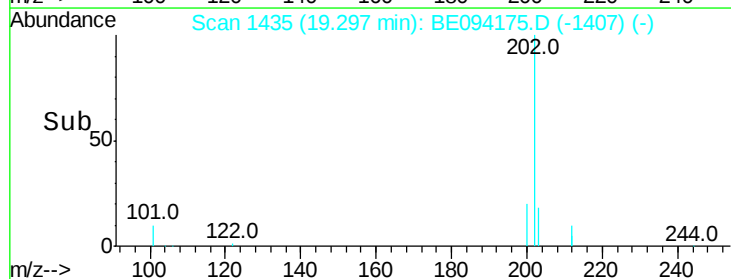
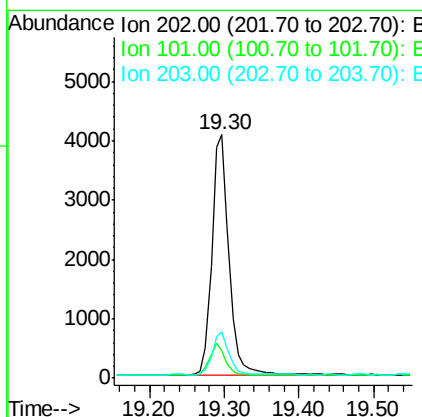
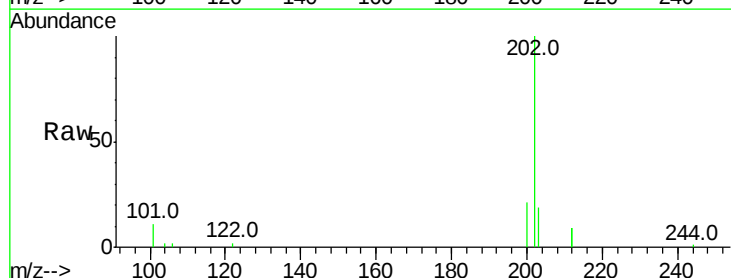
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tot Ion:212 Resp: 21533
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.8 4.2
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.211 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BE094175.D
 Acq: 6 Oct 2017 12:02

Tgt Ion:202 Resp: 6499
 Ion Ratio Lower Upper
 202 100
 101 12.7 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: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

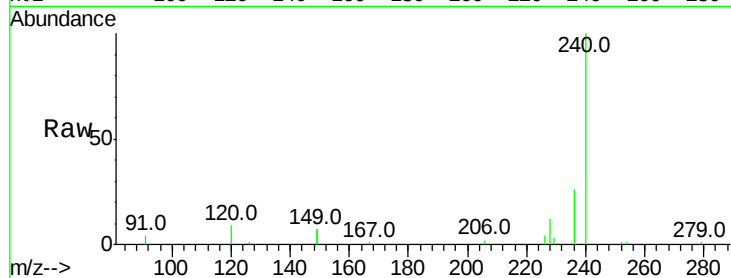
Tot Ion:240 Resp: 9847

Ion Ratio Lower Upper

240 100

120 9.3 5.5 8.3#

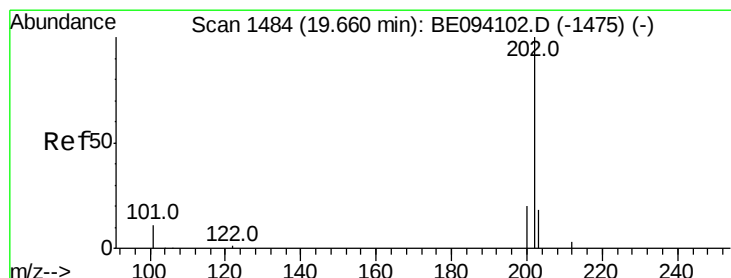
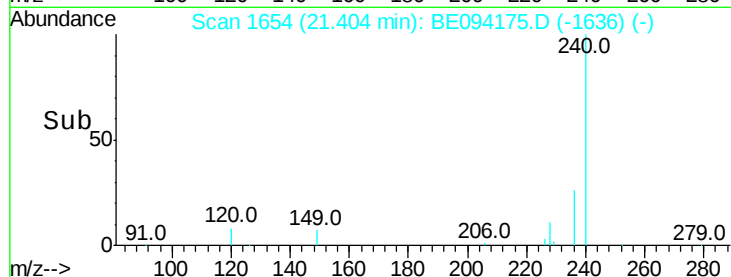
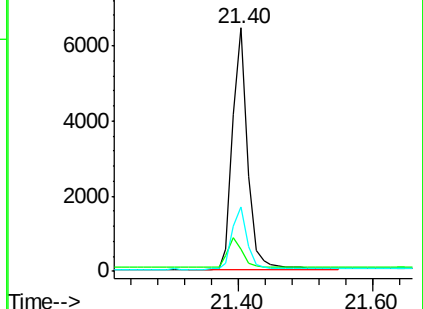
236 26.3 20.7 31.1



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: 0.220 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

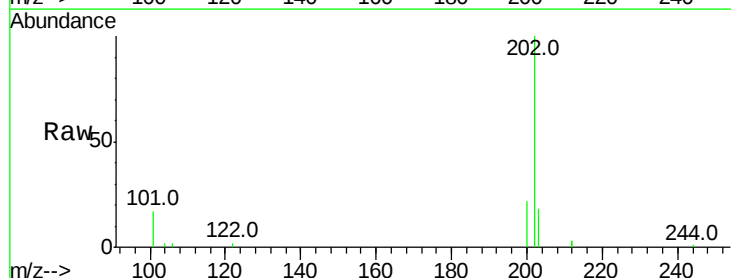
Tgt Ion:202 Resp: 6879

Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

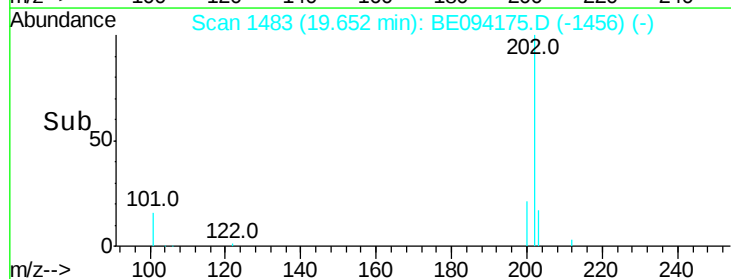
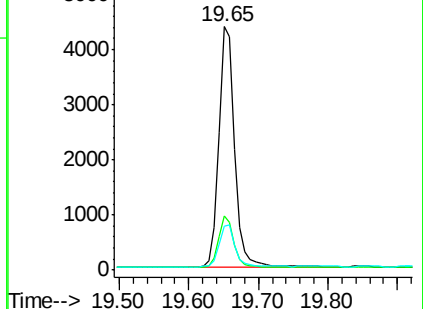
203 18.1 13.8 20.8

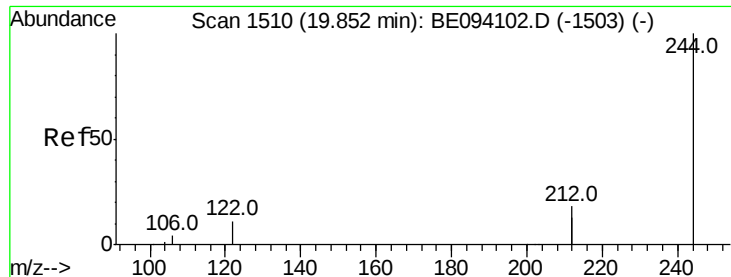


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.209 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

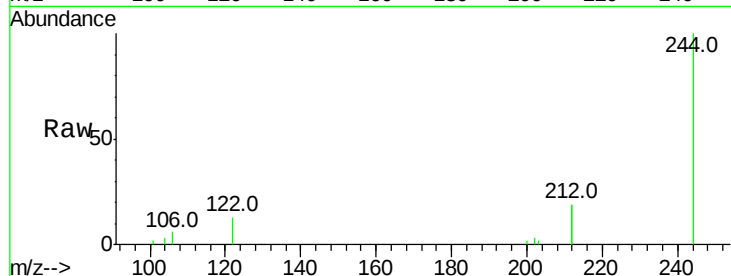
Tot Ion:244 Resp: 3761

Ion Ratio Lower Upper

244 100

212 37.5 25.4 38.0

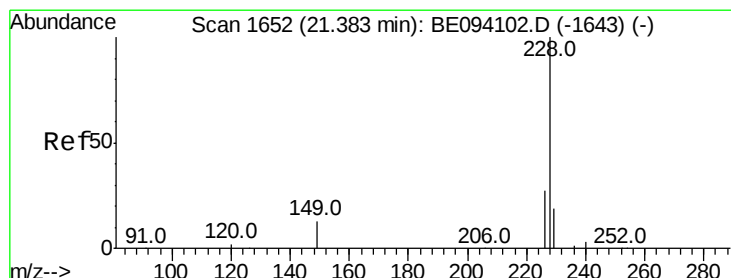
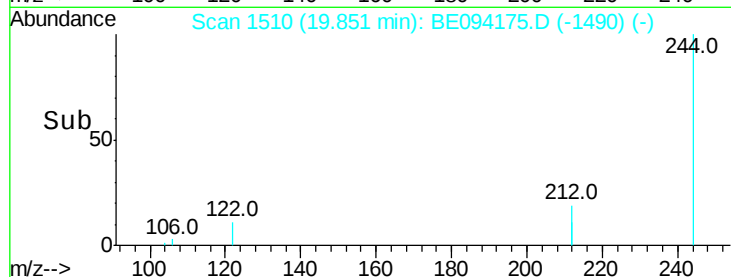
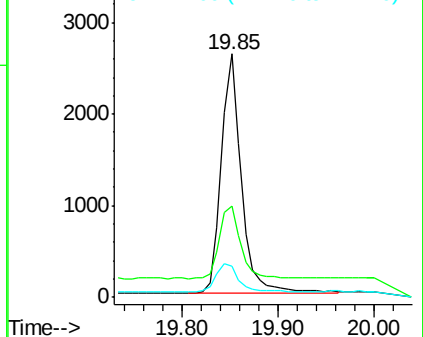
122 12.7 8.1 12.1#



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: 0.196 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

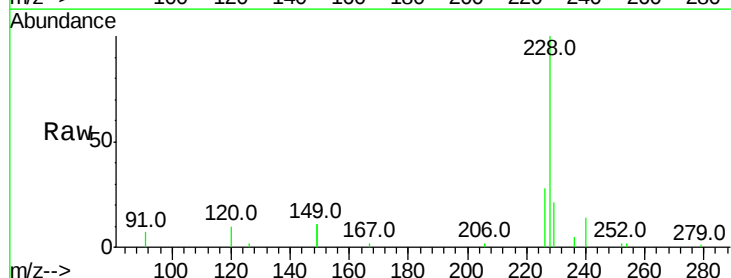
Tgt Ion:228 Resp: 6491

Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.0

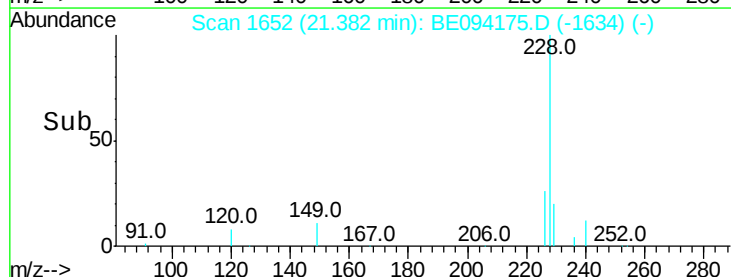
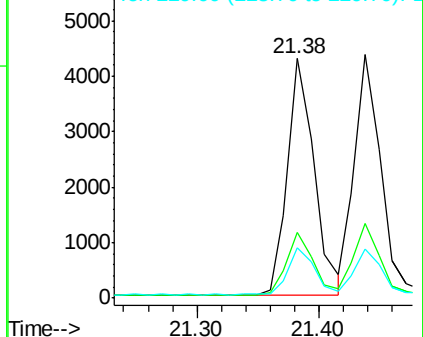
229 20.8 16.4 24.6



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: 0.206 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

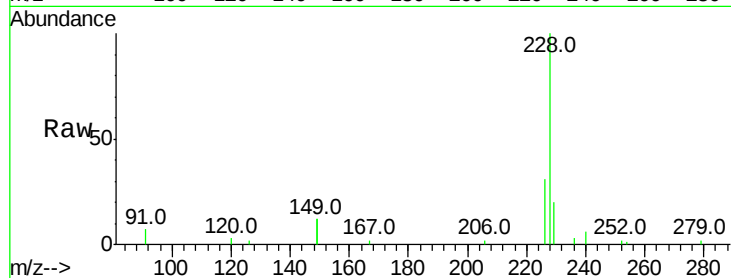
Tot Ion:228 Resp: 6577

Ion Ratio Lower Upper

228 100

226 30.6 23.6 35.4

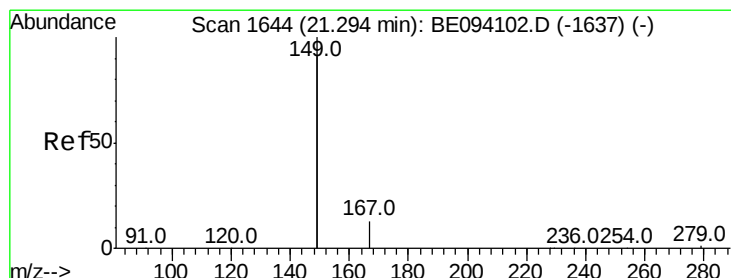
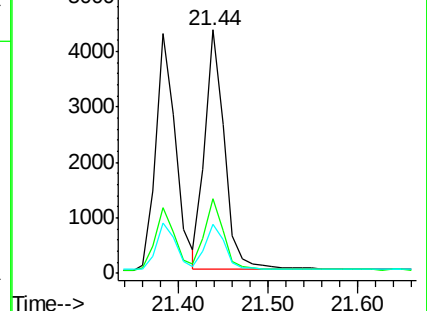
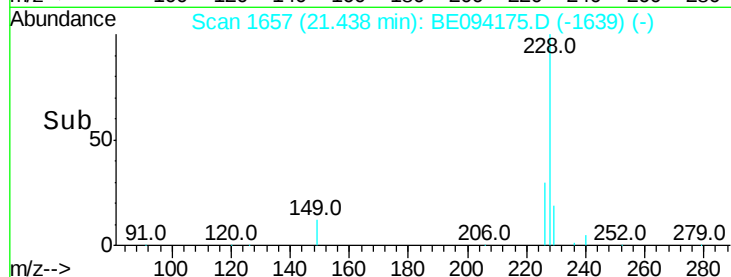
229 20.3 16.4 24.6



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: 0.095 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.01 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

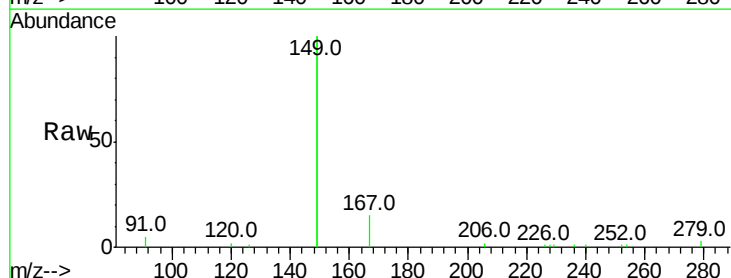
Tgt Ion:149 Resp: 15131

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

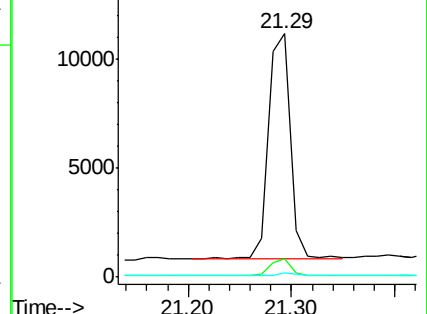
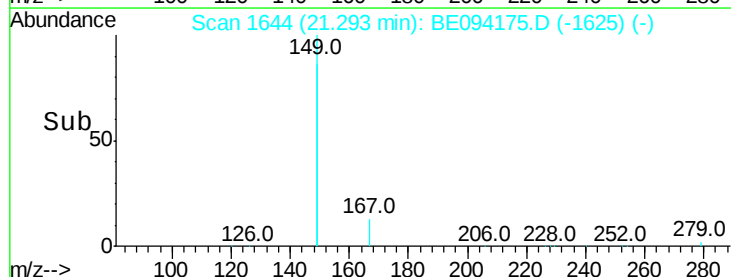
279 0.9 0.7 1.1



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: 0.187 ng

RT: 26.55 min Scan# 2697

Delta R.T. 0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

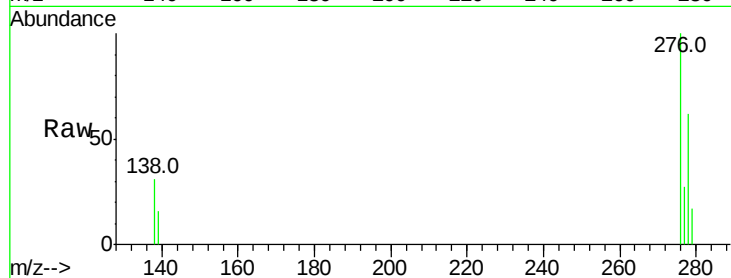
Tot Ion:276 Resp: 6419

Ion Ratio Lower Upper

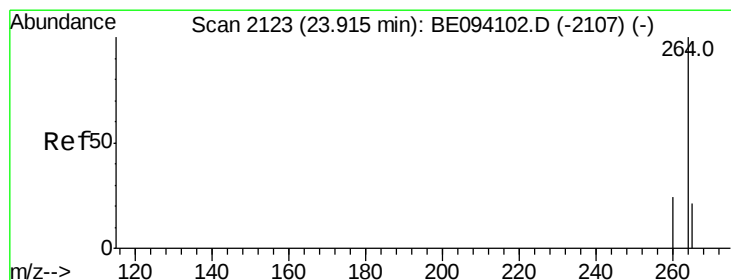
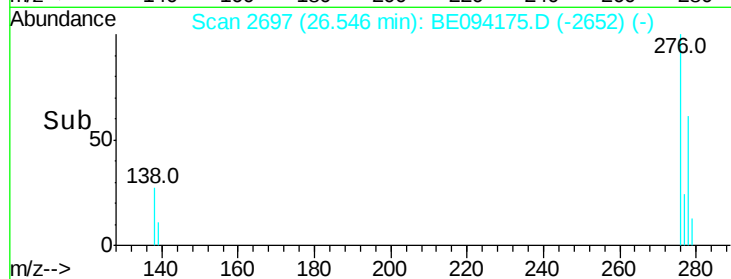
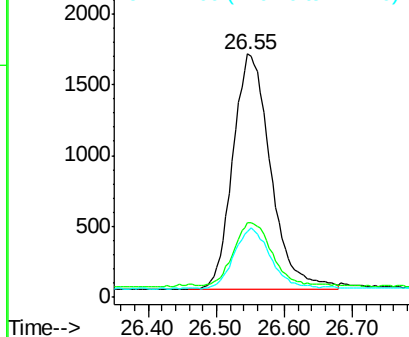
276 100

138 27.2 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: 23.91 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

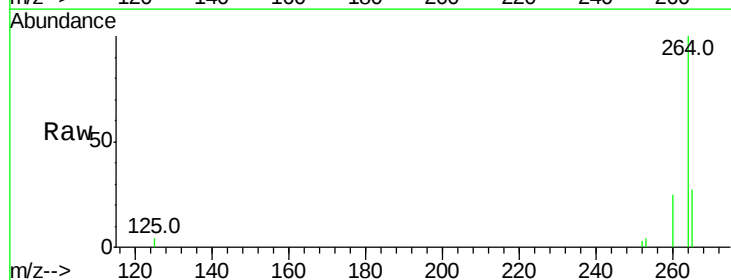
Tgt Ion:264 Resp: 9358

Ion Ratio Lower Upper

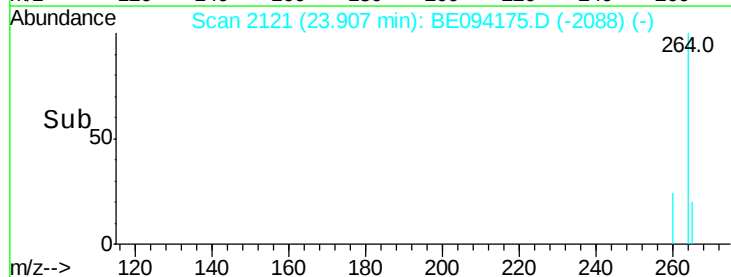
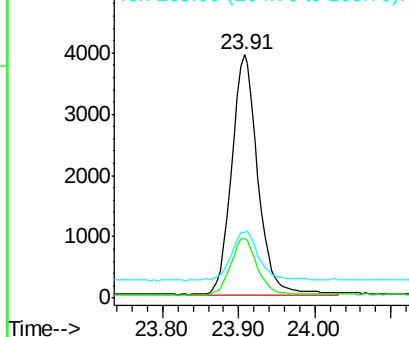
264 100

260 24.5 20.5 30.7

265 27.0 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: 0.182 ng

RT: 23.14 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

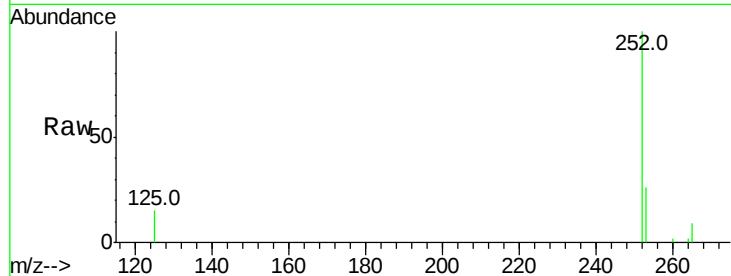
Tot Ion:252 Resp: 6140

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.2

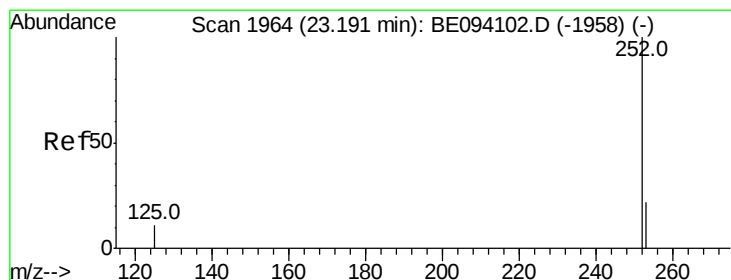
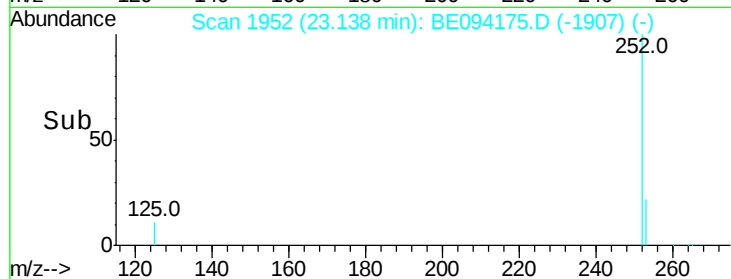
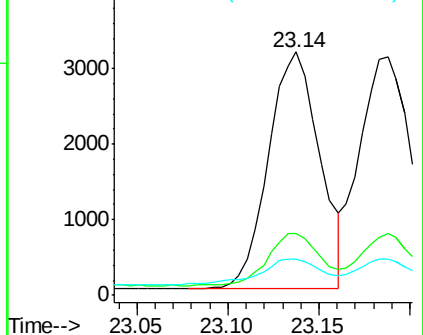
125 14.6 10.1 15.1



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: 0.196 ng

RT: 23.19 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

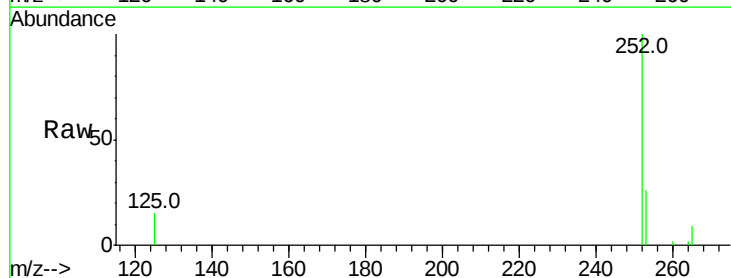
Tgt Ion:252 Resp: 6326

Ion Ratio Lower Upper

252 100

253 25.8 18.6 27.8

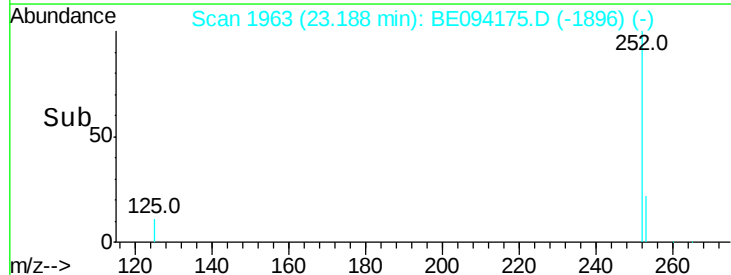
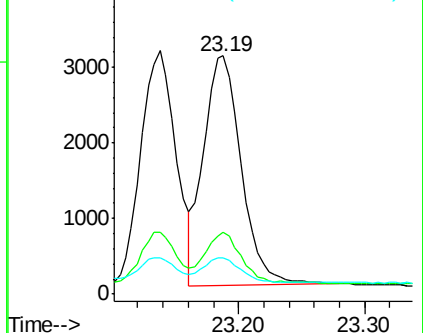
125 15.5 10.7 16.1



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: 0.192 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

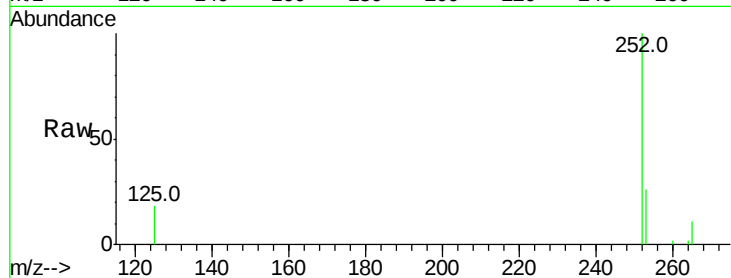
Tot Ion:252 Resp: 5859

Ion Ratio Lower Upper

252 100

253 25.8 19.0 28.6

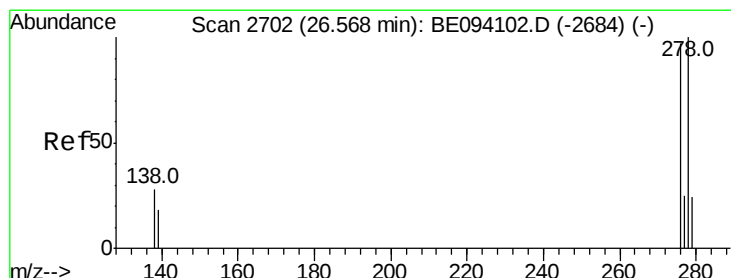
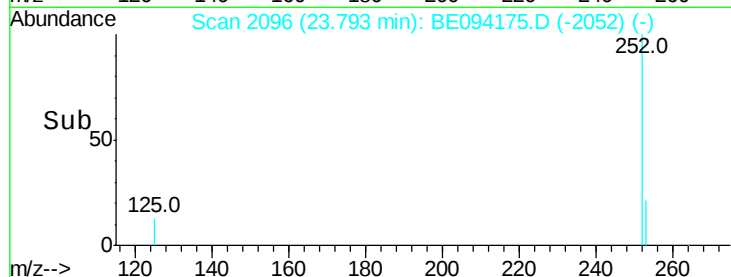
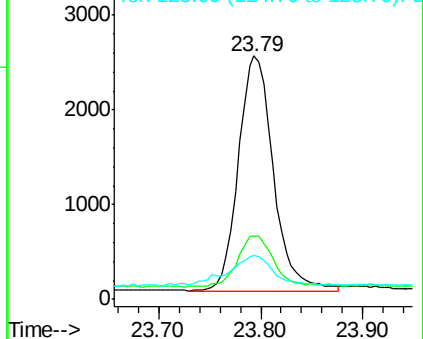
125 17.9 11.8 17.8#



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: 0.187 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.01 min

Lab File: BE094175.D

Acq: 6 Oct 2017 12:02

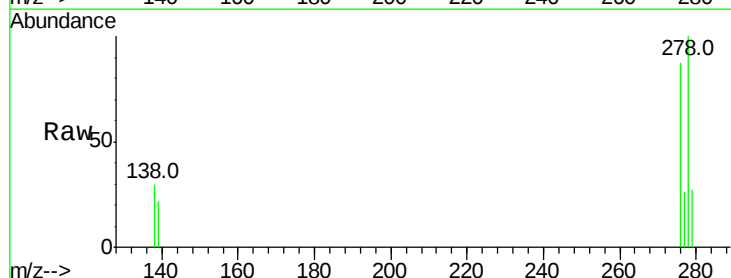
Tgt Ion:278 Resp: 5404

Ion Ratio Lower Upper

278 100

139 22.4 16.3 24.5

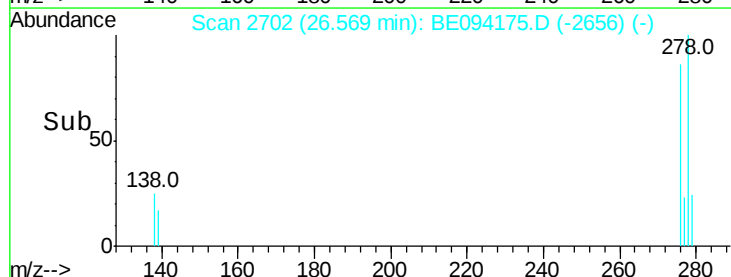
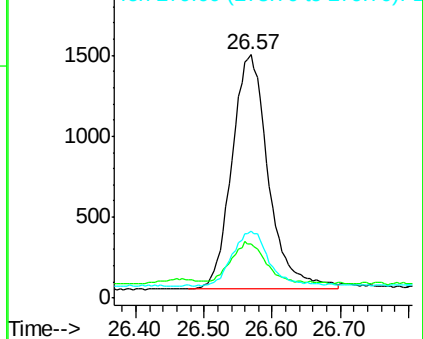
279 27.4 19.9 29.9



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: 0.198 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE094175.D

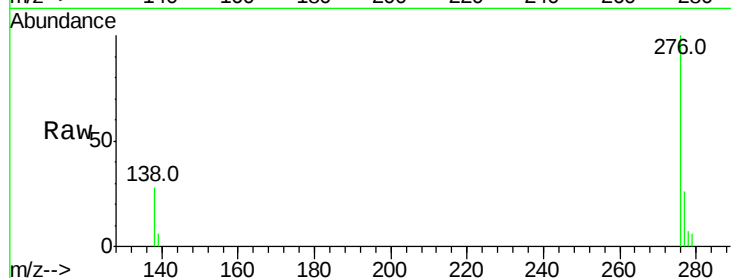
Acq: 6 Oct 2017 12:02

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2



Tot Ion:276 Resp: 5654

Ion Ratio Lower Upper

276 100

277 26.4 20.8 31.2

138 27.7 21.5 32.3

Abundance Ion 276.00 (275.70 to 276.70): E
 2000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

