

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094112.D
 Acq On : 25 Sep 2017 21:08
 Operator : SJ/JU
 Sample : I5340-12MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 01:37:30 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	1562	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7386	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4866	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18461	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15838	0.40	ng	0.00
34) Perylene-d12	23.91	264	15379	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	850	0.14	ng	0.00
5) Phenol-d6	7.09	99	1343	0.16	ng	0.00
8) Nitrobenzene-d5	9.06	82	1054	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	1652	0.15	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	364	0.10	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	2160	0.13	ng	0.00
25) Fluoranthene-d10	19.27	212	22892	0.13	ng	0.00
29) Terphenyl-d14	19.85	244	3633	0.13	ng	0.00

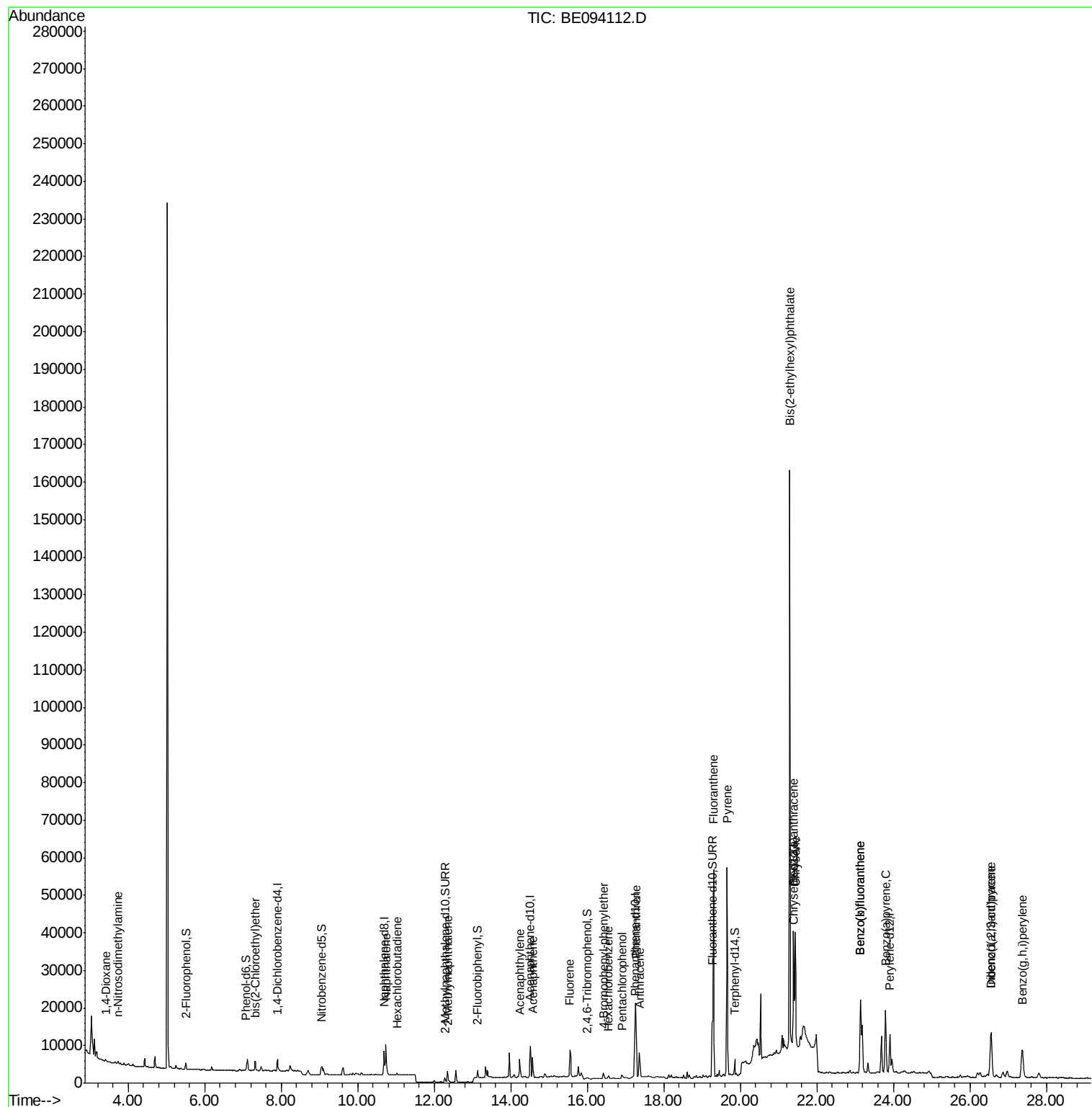
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	587	0.193	ng	# 44
3) n-Nitrosodimethylamine	3.73	42	542	0.139	ng	# 90
6) bis(2-Chloroethyl)ether	7.33	93	1000	0.157	ng	99
9) Naphthalene	10.74	128	13376	0.160	ng	99
10) Hexachlorobutadiene	11.03	225	405	0.130	ng	98
12) 2-Methylnaphthalene	12.35	142	2231	0.165	ng	96
16) Acenaphthylene	14.23	152	5714	0.234	ng	98
17) Acenaphthene	14.57	154	2637	0.173	ng	97
18) Fluorene	15.55	166	3816	0.184	ng	96
20) 4-Bromophenyl-phenylether	16.42	248	1246	0.165	ng	97
21) Hexachlorobenzene	16.55	284	835	0.175	ng	98
22) Pentachlorophenol	16.91	266	894	0.204	ng	# 73
23) Phenanthrene	17.27	178	29872	0.632	ng	98
24) Anthracene	17.37	178	10330	0.208	ng	97
26) Fluoranthene	19.30	202	52170	0.986	ng	99
28) Pyrene	19.66	202	53667	1.069	ng	# 96
30) Benzo(a)anthracene	21.38	228	28100	0.527	ng	96
31) Chrysene	21.44	228	31366	0.609	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	165736	1.082	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	19598	0.356	ng	98
35) Benzo(b)fluoranthene	23.14	252	34818	0.627	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	34818	0.655	ng	95
37) Benzo(a)pyrene	23.79	252	26221	0.523	ng	# 94
38) Dibenzo(a,h)anthracene	26.56	278	8279	0.174	ng	# 83
39) Benzo(g,h,i)perylene	27.37	276	18810	0.400	ng	97

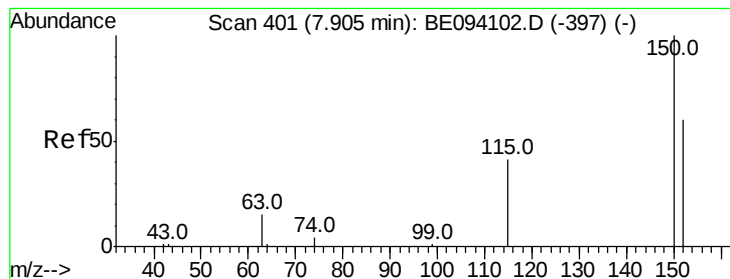
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

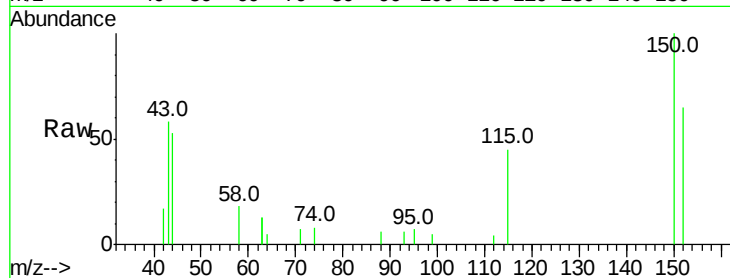
Tot Ion:152 Resp: 1562

Ion Ratio Lower Upper

152 100

150 153.4 117.2 175.8

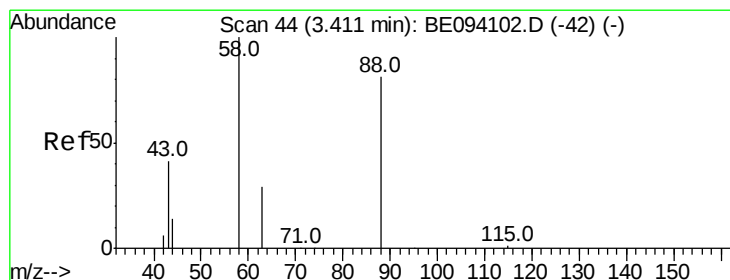
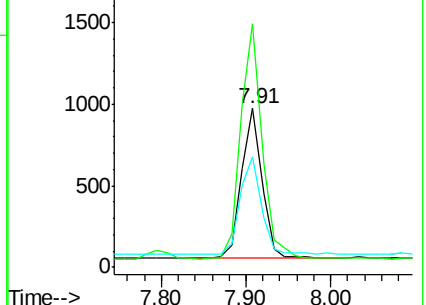
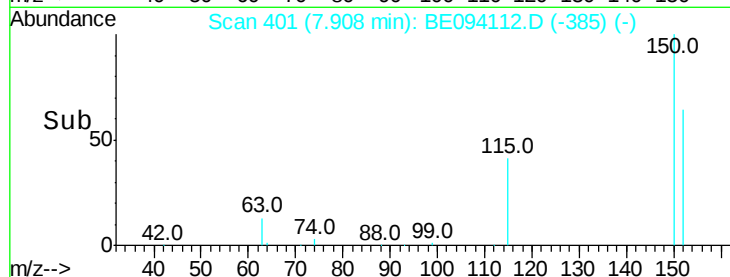
115 69.7 57.0 85.6



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: 0.193 ng

RT: 3.41 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

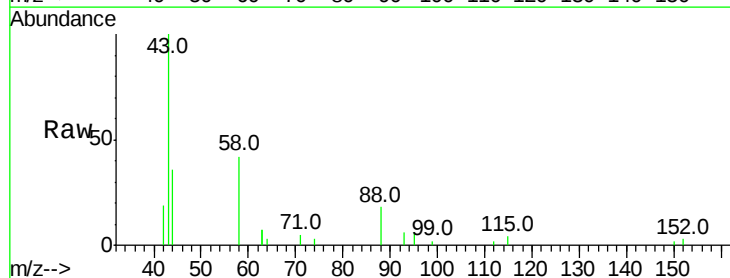
Tgt Ion: 88 Resp: 587

Ion Ratio Lower Upper

88 100

58 118.2 63.2 94.8#

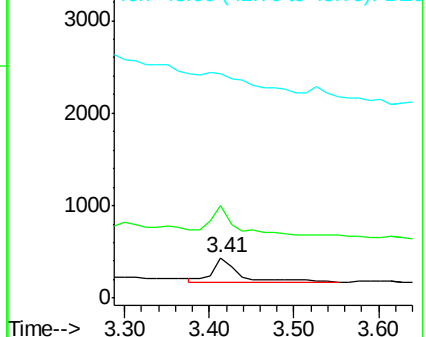
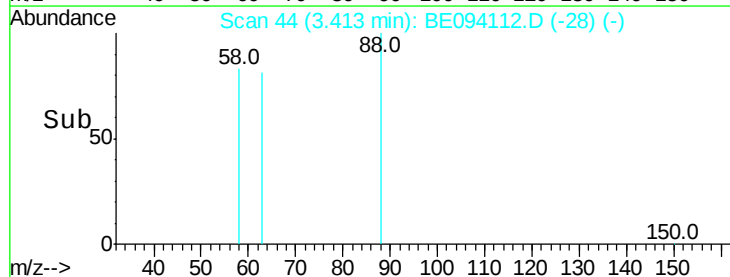
43 0.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.139 ng

RT: 3.73 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

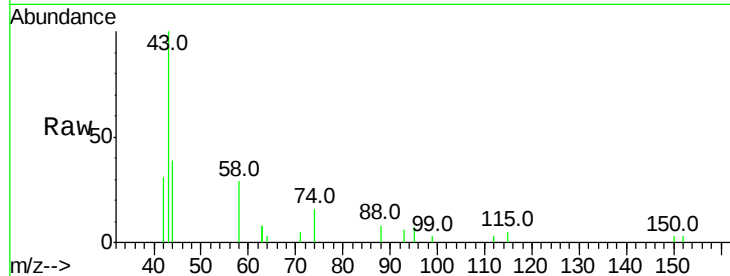
Tot Ion: 42 Resp: 542

Ion Ratio Lower Upper

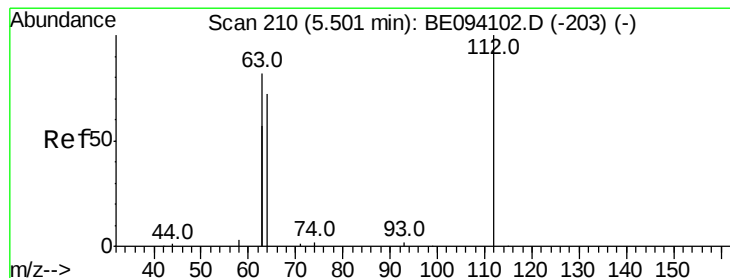
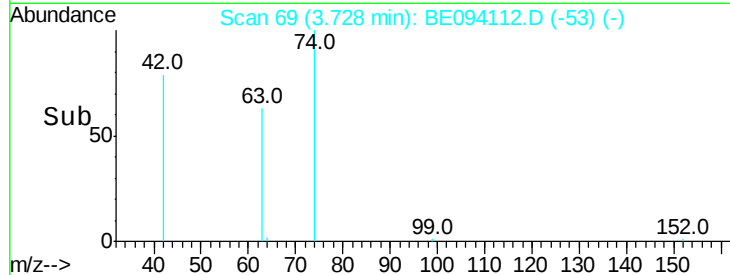
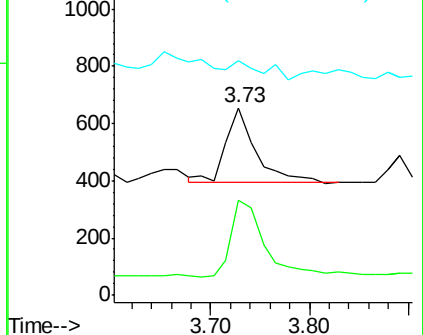
42 100

74 120.8 100.3 150.5

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: 0.144 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

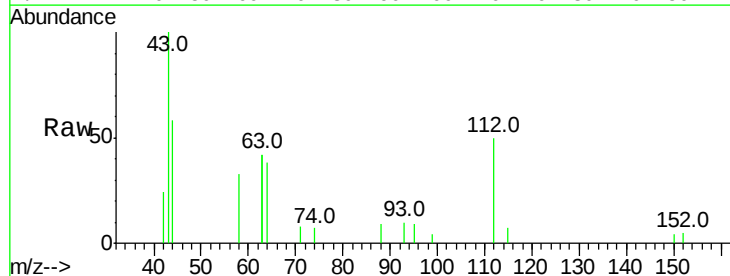
Tgt Ion: 112 Resp: 850

Ion Ratio Lower Upper

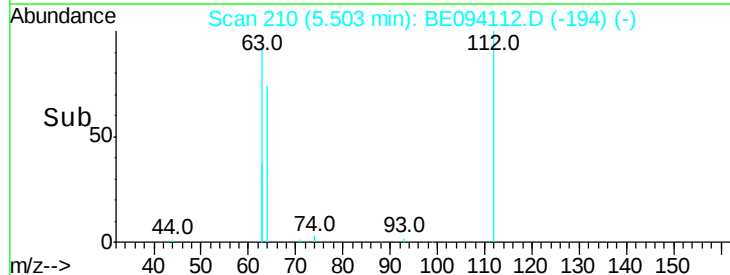
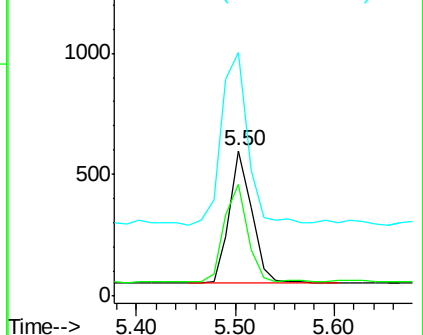
112 100

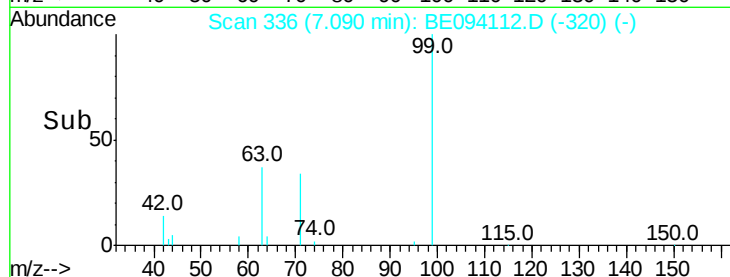
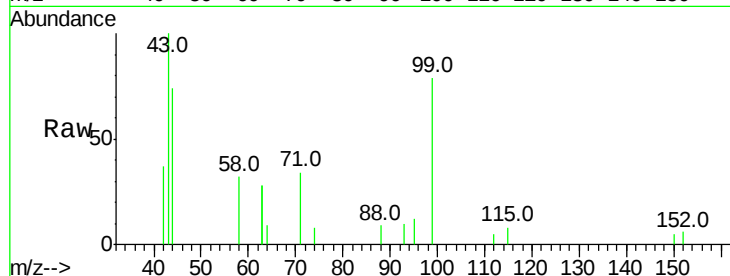
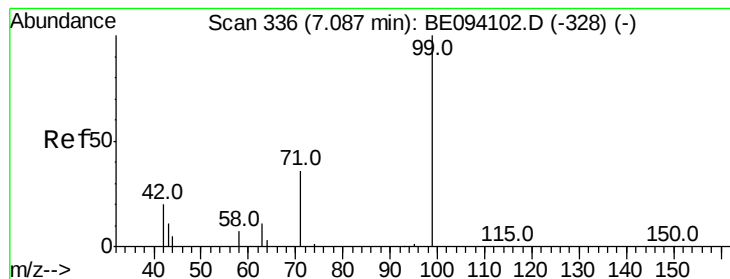
64 79.1 60.1 90.1

63 156.6 116.8 175.2



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: 0.163 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampled :

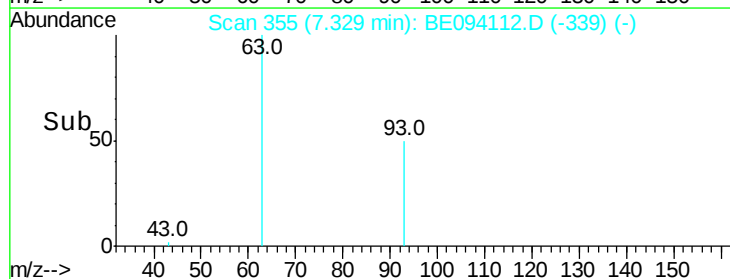
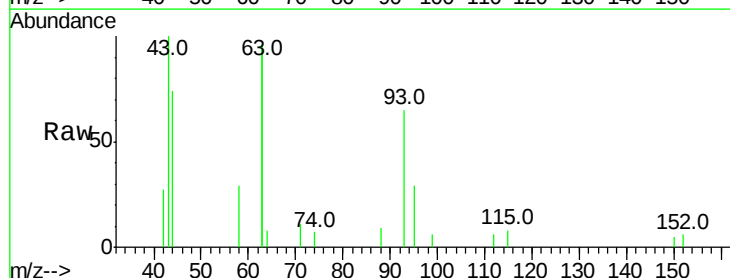
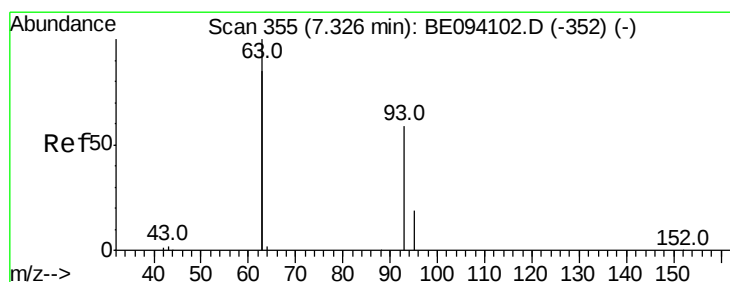
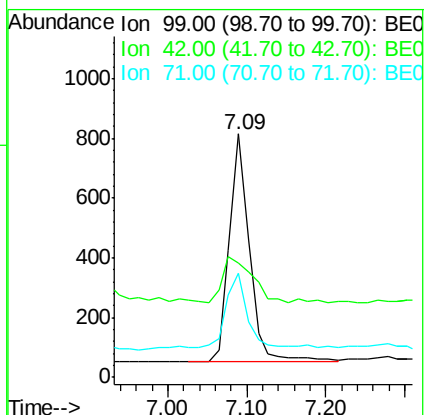
Tot Ion: 99 Resp: 1343

Ion Ratio Lower Upper

99 100

42 29.0 20.2 30.2

71 33.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.157 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

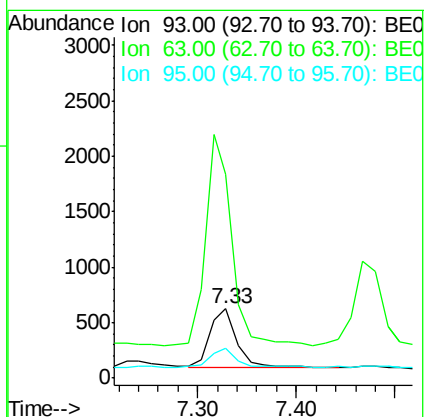
Tgt Ion: 93 Resp: 1000

Ion Ratio Lower Upper

93 100

63 344.9 275.3 412.9

95 33.8 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: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7386

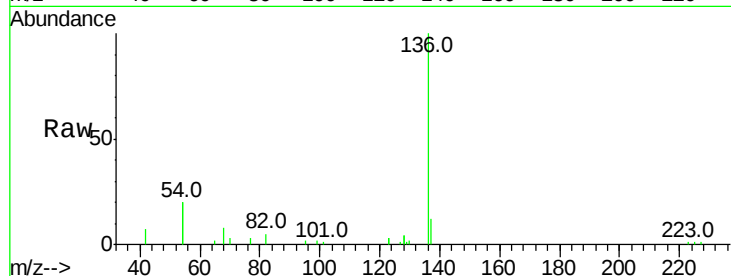
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 39.8 29.1 43.7

68 8.4 6.2 9.2

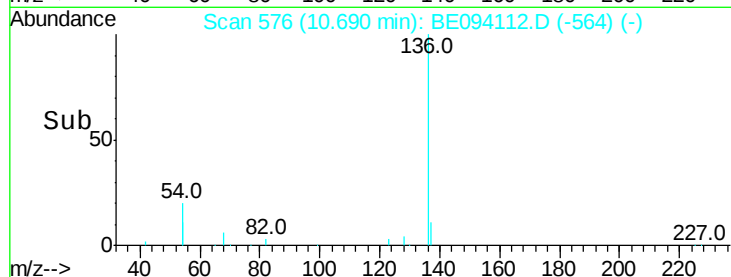


Abundance Ion 136.00 (135.70 to 136.70): E

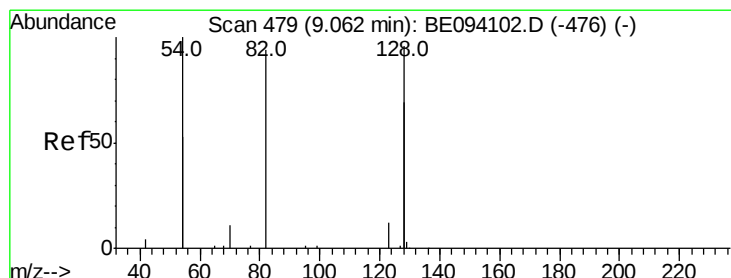
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.147 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

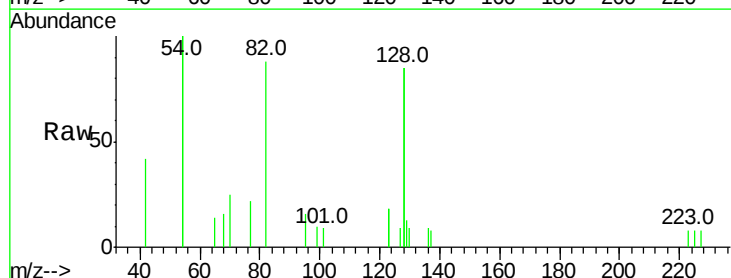
Tgt Ion: 82 Resp: 1054

Ion Ratio Lower Upper

82 100

128 192.2 150.0 225.0

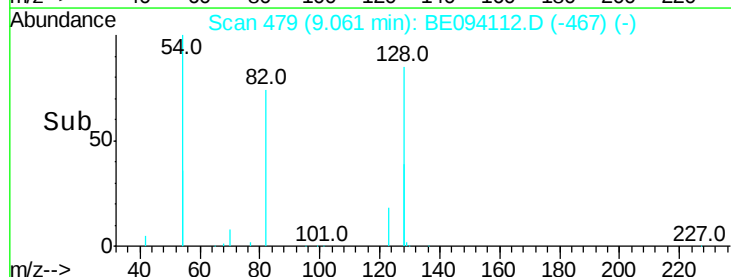
54 226.2 154.2 231.4



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



Time-->



#9

Naphthalene

Concen: 0.160 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

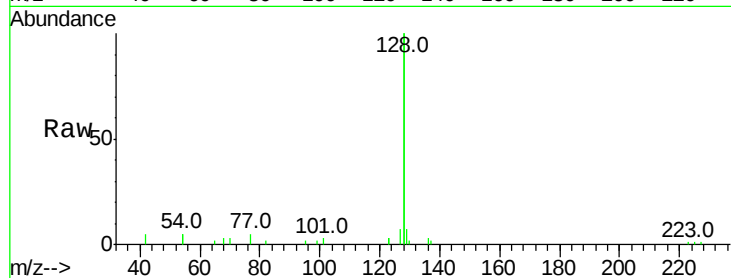
Tot Ion:128 Resp: 13376

Ion Ratio Lower Upper

128 100

129 3.6 2.6 3.8

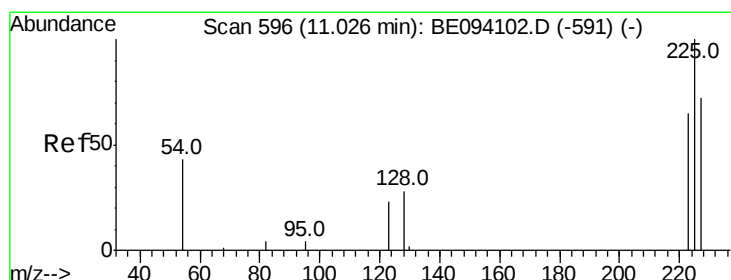
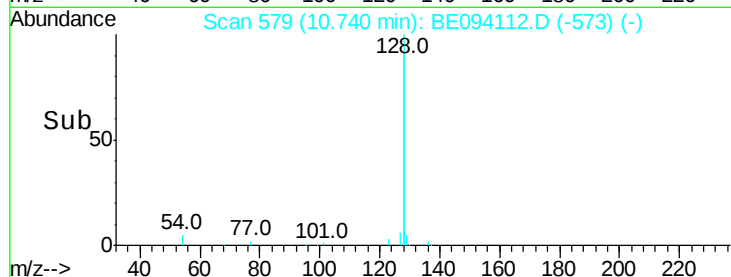
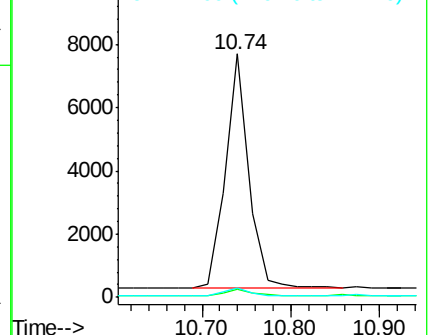
127 3.7 2.8 4.2



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: 0.130 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

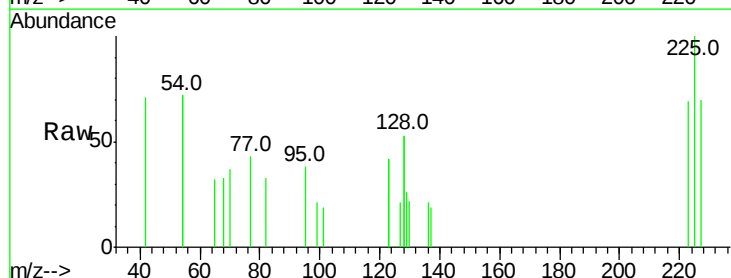
Tgt Ion:225 Resp: 405

Ion Ratio Lower Upper

225 100

223 66.7 53.0 79.6

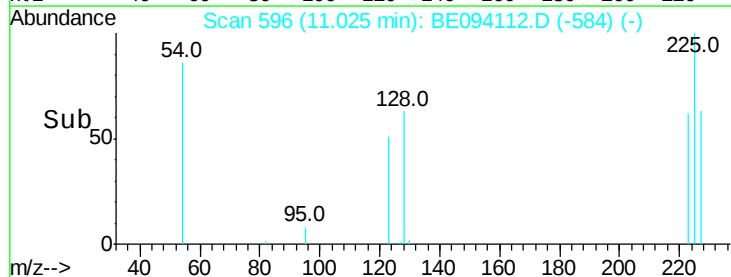
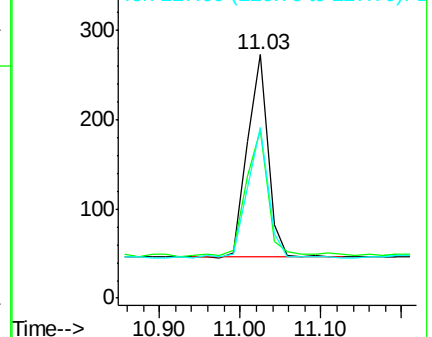
227 66.9 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.145 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

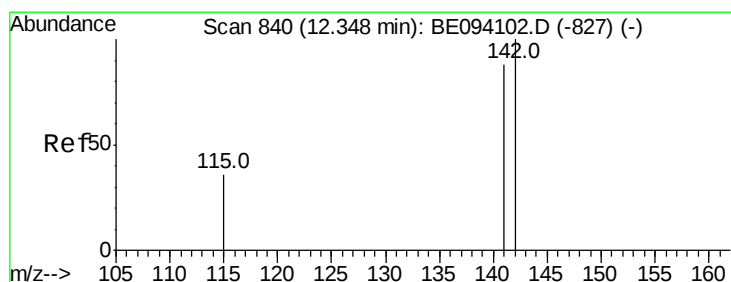
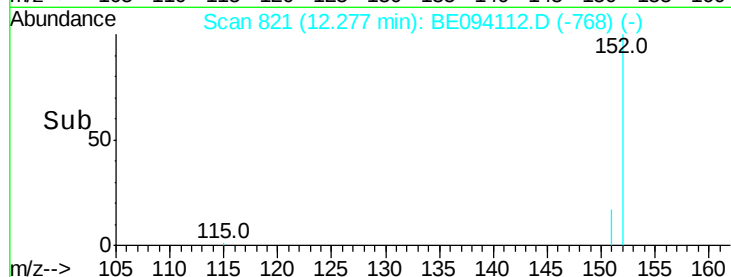
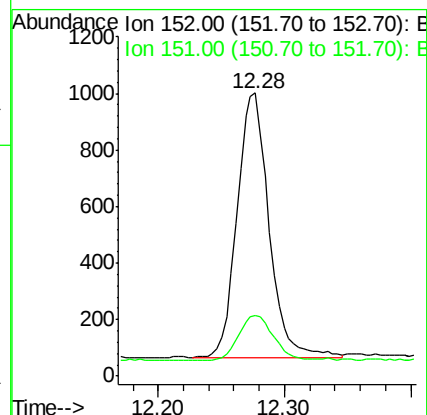
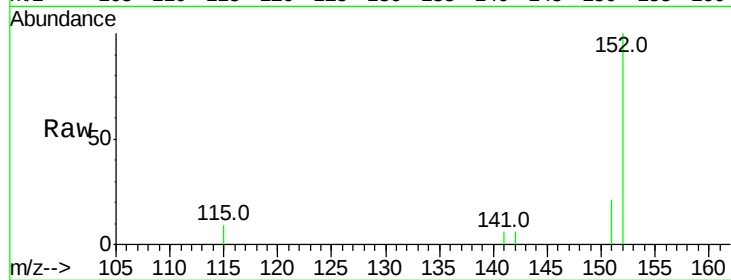
ClientSampleId :

Tot Ion:152 Resp: 1652

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.165 ng

RT: 12.35 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

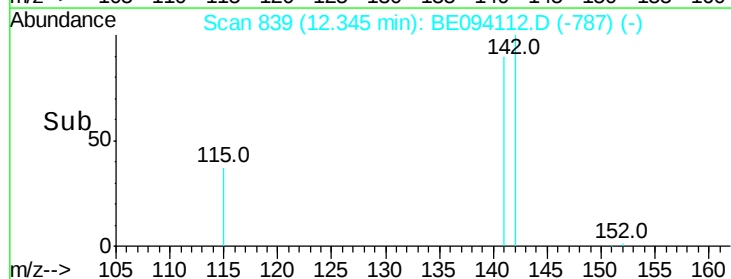
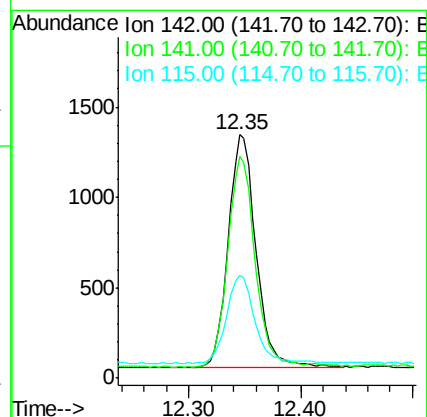
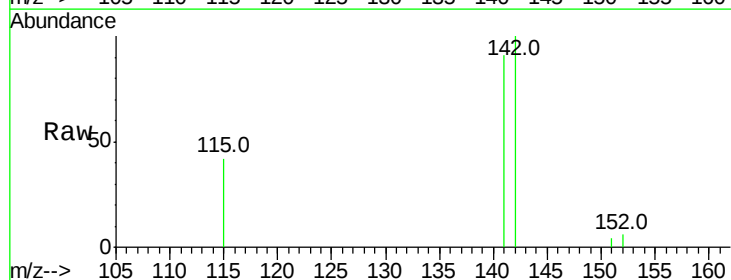
Tgt Ion:142 Resp: 2231

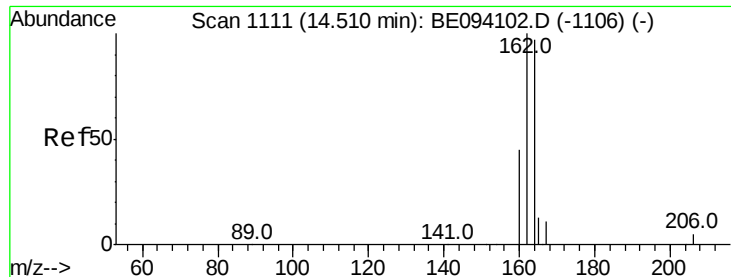
Ion Ratio Lower Upper

142 100

141 90.9 70.4 105.6

115 42.4 31.7 47.5

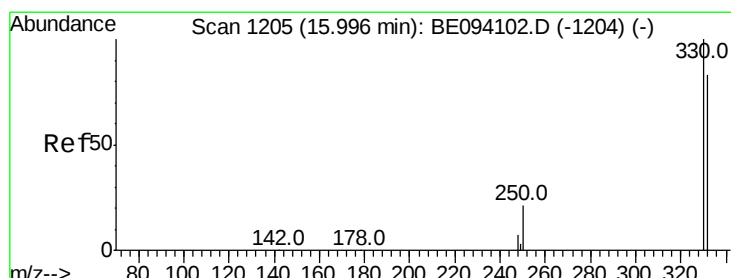
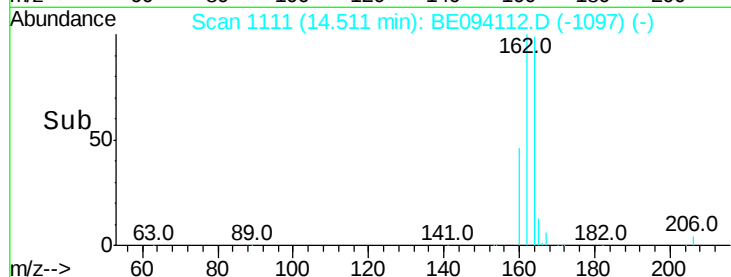
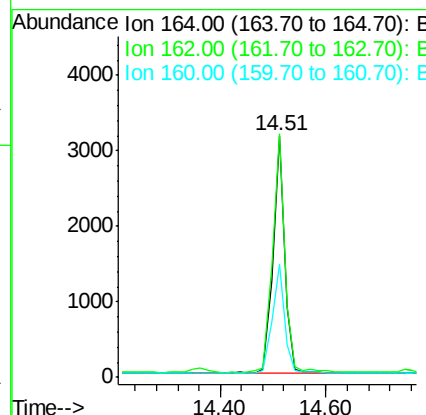
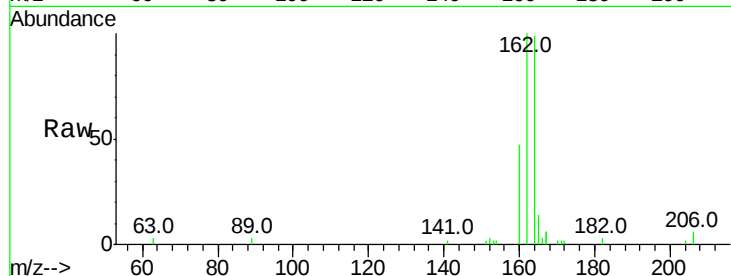




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094112.D
 Acq: 25 Sep 2017 21:08

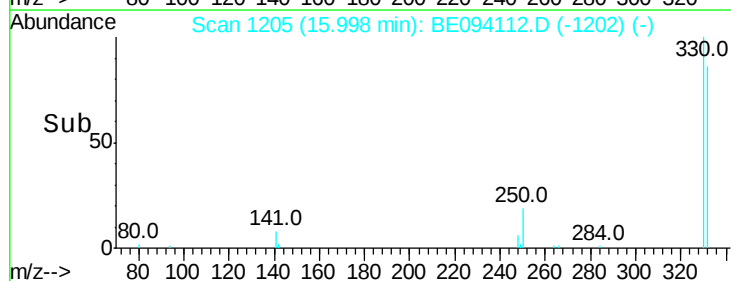
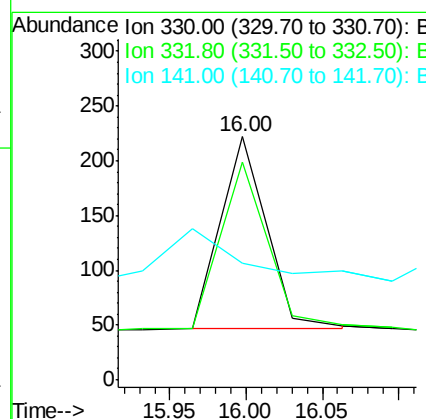
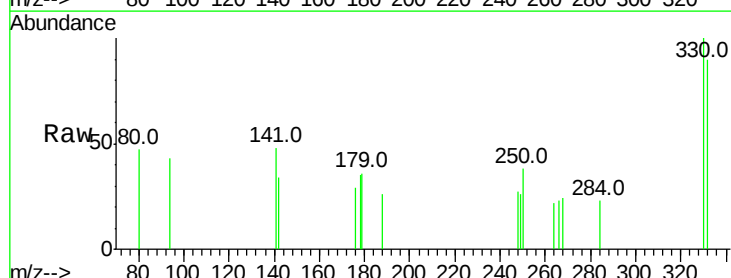
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 4866
 Ion Ratio Lower Upper
 164 100
 162 101.0 83.1 124.7
 160 47.0 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.102 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094112.D
 Acq: 25 Sep 2017 21:08

Tgt Ion:330 Resp: 364
 Ion Ratio Lower Upper
 330 100
 332 89.3 152.7 229.1#
 141 0.0 33.7 50.5#

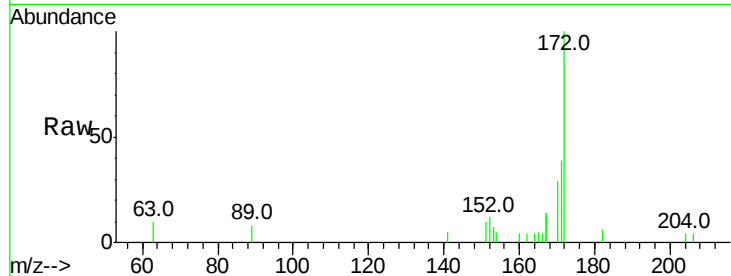




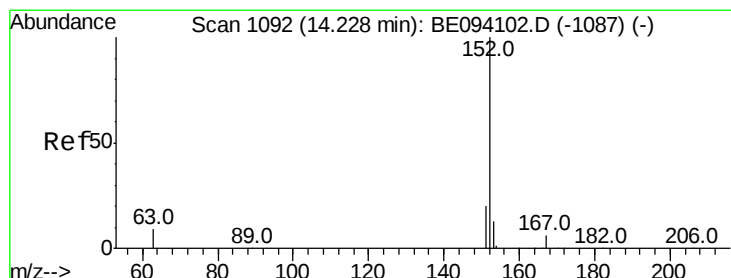
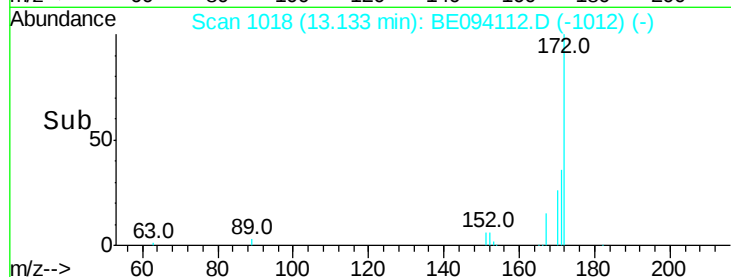
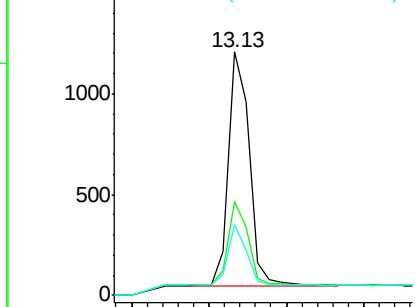
#15
2-Fluorobiphenyl
Concen: 0.134 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094112.D
Acq: 25 Sep 2017 21:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2160
Ion Ratio Lower Upper
172 100
171 38.7 29.9 44.9
170 29.1 21.8 32.8

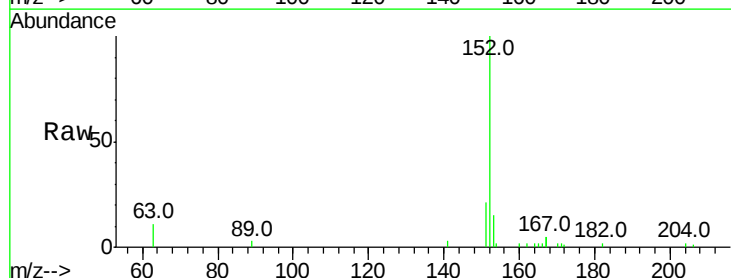


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

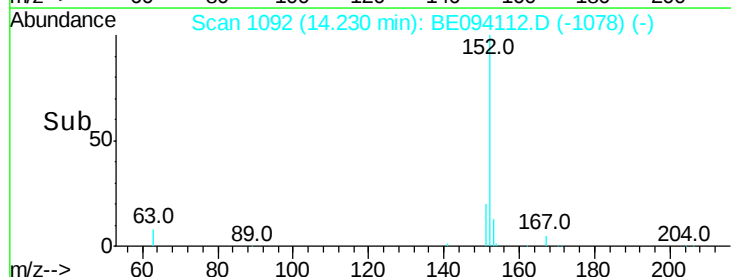
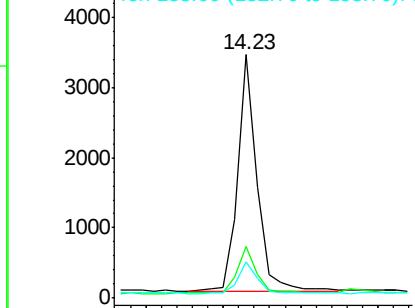


#16
Acenaphthylene
Concen: 0.234 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094112.D
Acq: 25 Sep 2017 21:08

Tgt Ion:152 Resp: 5714
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 13.9 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: 0.173 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

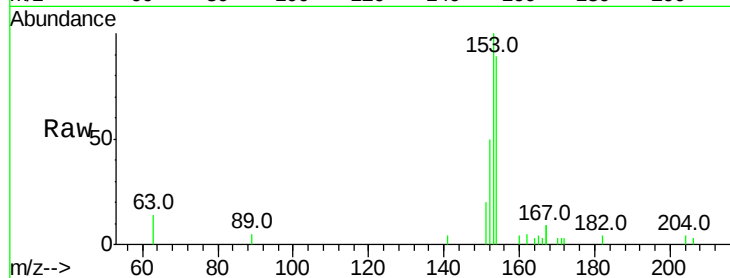
Tot Ion:154 Resp: 2637

Ion Ratio Lower Upper

154 100

153 113.6 89.2 133.8

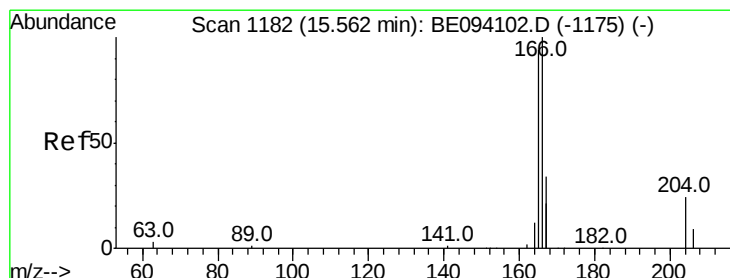
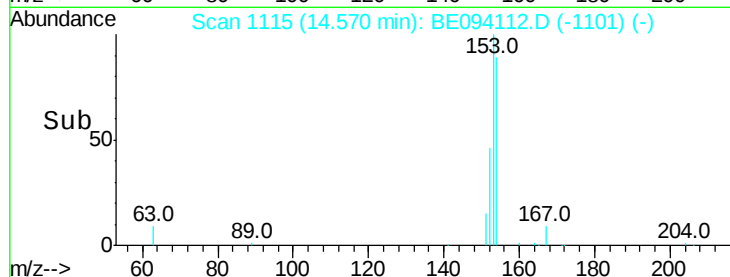
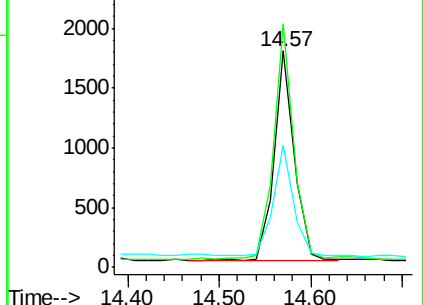
152 55.3 42.0 63.0



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: 0.184 ng

RT: 15.55 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

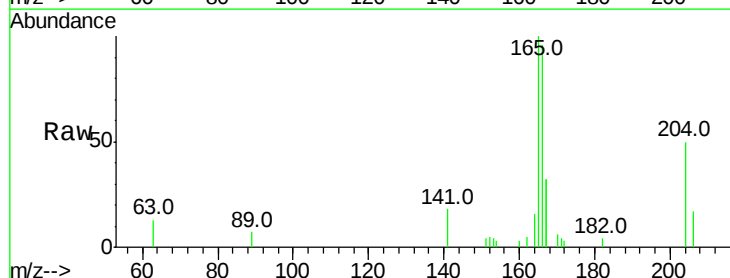
Tgt Ion:166 Resp: 3816

Ion Ratio Lower Upper

166 100

165 101.4 77.8 116.6

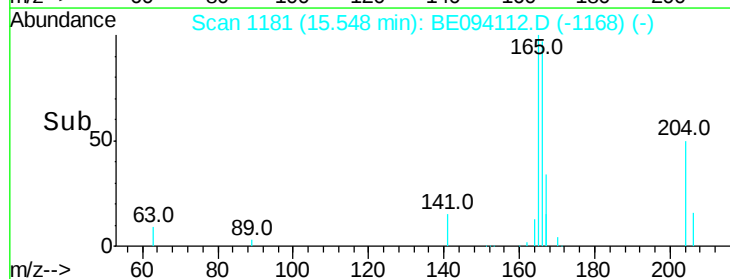
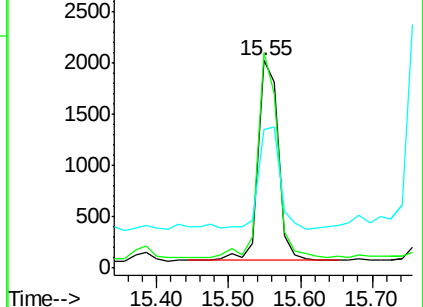
167 55.5 42.4 63.6

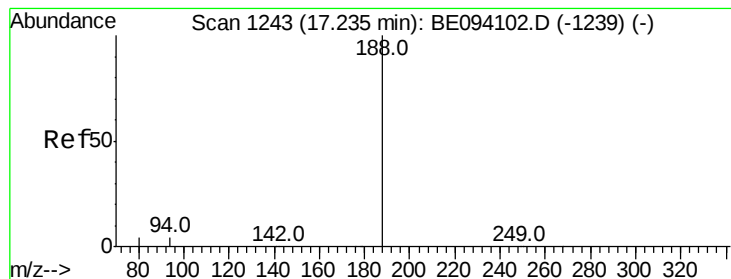


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

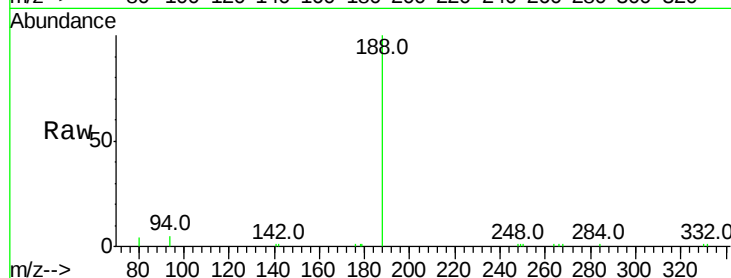
Tot Ion:188 Resp: 18461

Ion Ratio Lower Upper

188 100

94 4.8 3.9 5.9

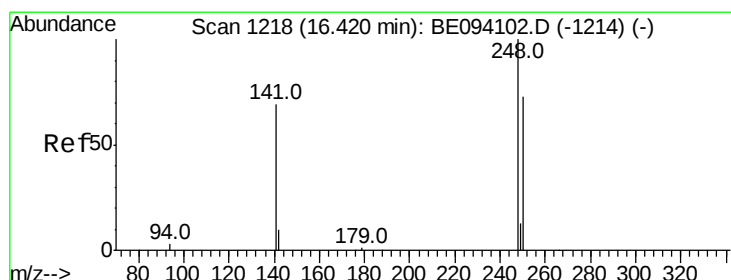
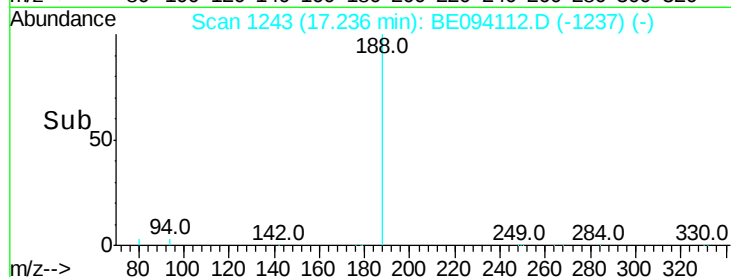
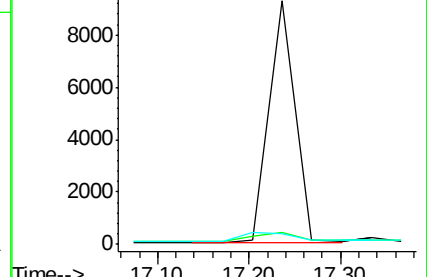
80 4.4 3.6 5.4



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: 0.165 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

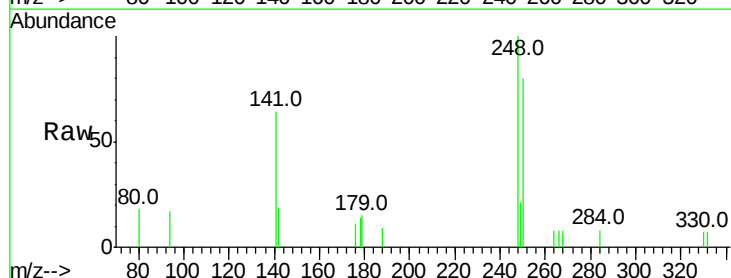
Tgt Ion:248 Resp: 1246

Ion Ratio Lower Upper

248 100

250 80.0 62.7 94.1

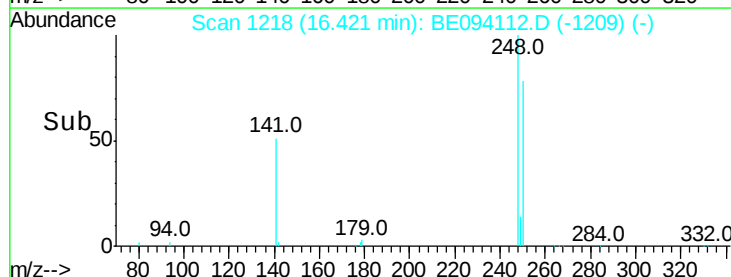
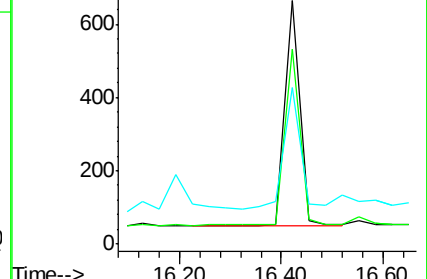
141 64.2 48.2 72.2

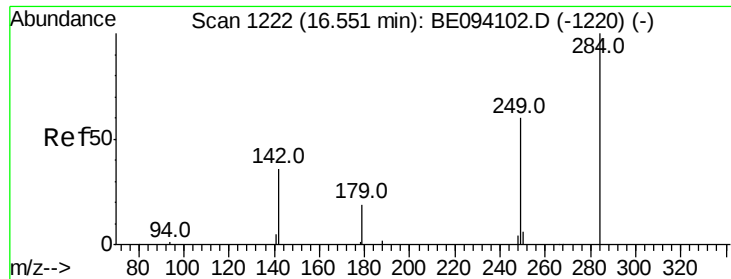


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.175 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

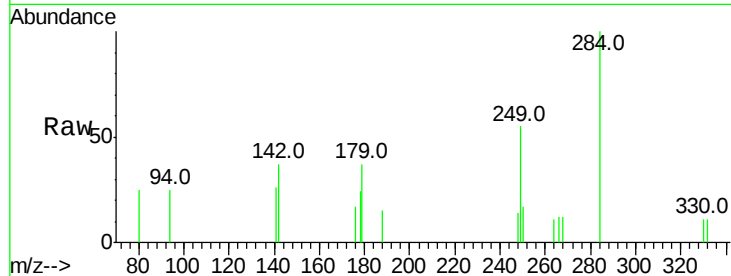
Tot Ion:284 Resp: 835

Ion Ratio Lower Upper

284 100

142 28.4 22.1 33.1

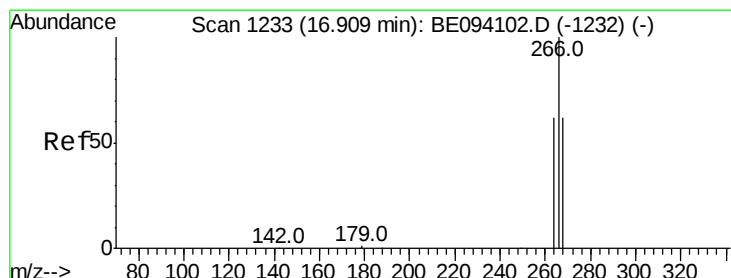
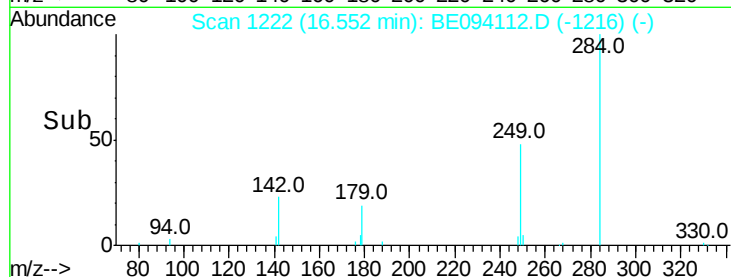
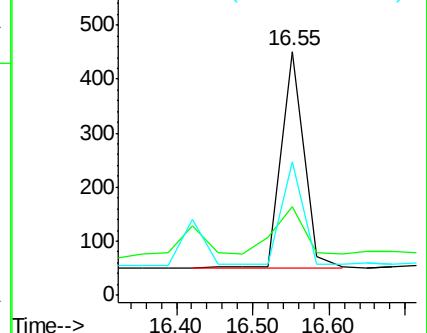
249 44.8 34.8 52.2



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: 0.204 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

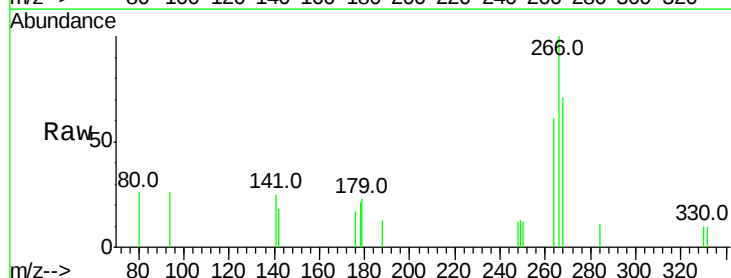
Tgt Ion:266 Resp: 894

Ion Ratio Lower Upper

266 100

264 61.2 72.5 108.7#

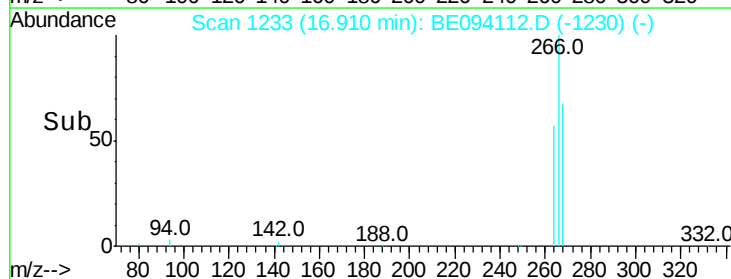
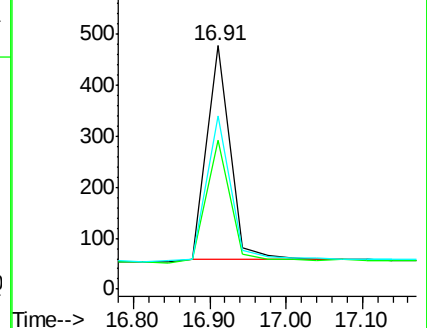
268 71.1 73.8 110.6#



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: 0.632 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

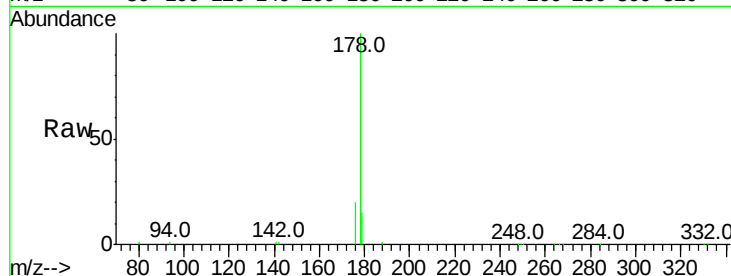
Tot Ion:178 Resp: 29872

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

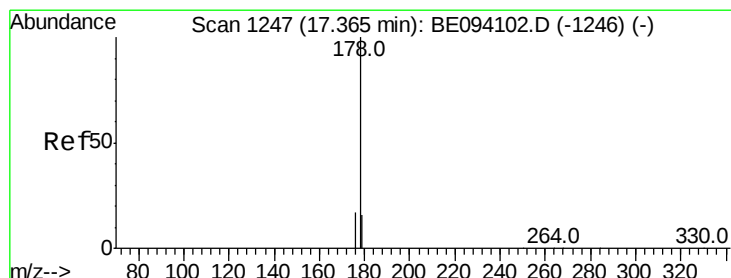
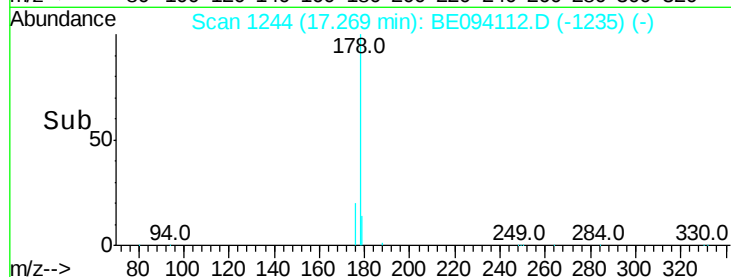
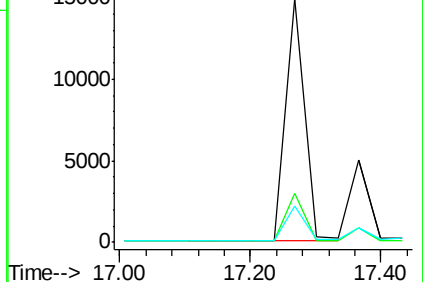
179 15.2 11.8 17.6



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: BE094112.D

Acq: 25 Sep 2017 21:08

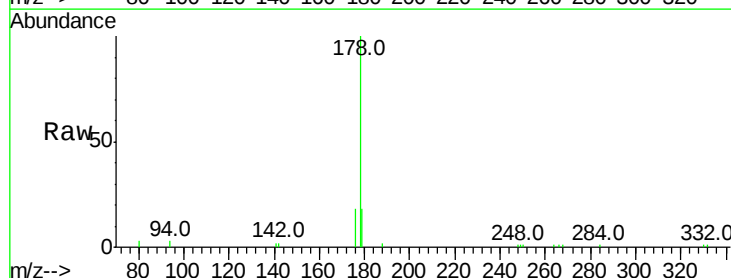
Tgt Ion:178 Resp: 10330

Ion Ratio Lower Upper

178 100

176 15.9 12.8 19.2

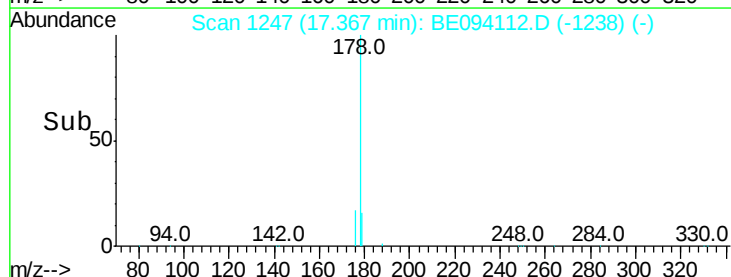
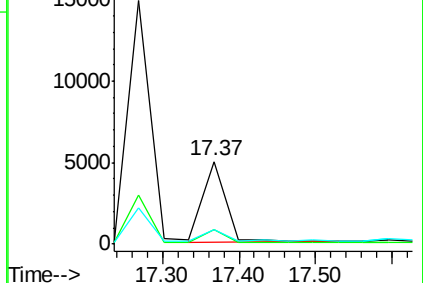
179 18.9 13.0 19.6

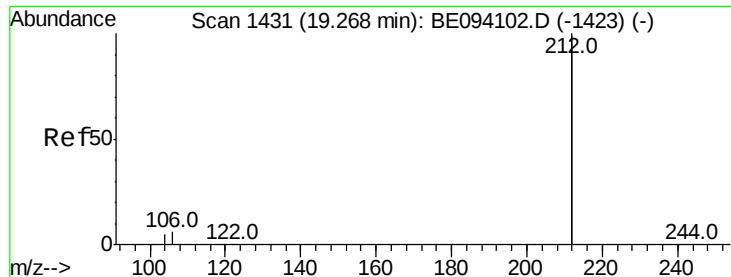


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.128 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

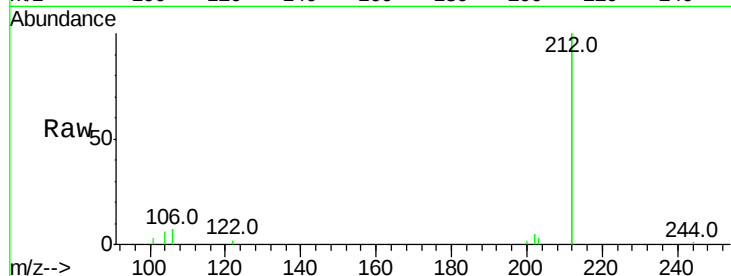
Tot Ion:212 Resp: 22892

Ion Ratio Lower Upper

212 100

106 3.7 2.8 4.2

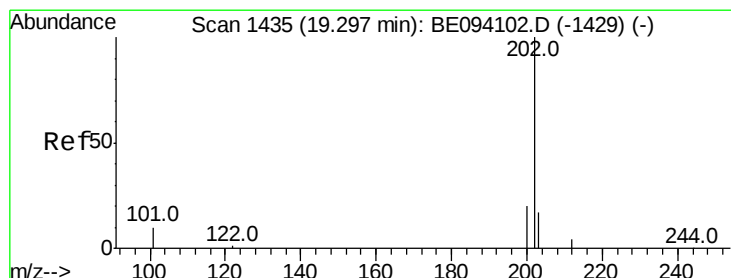
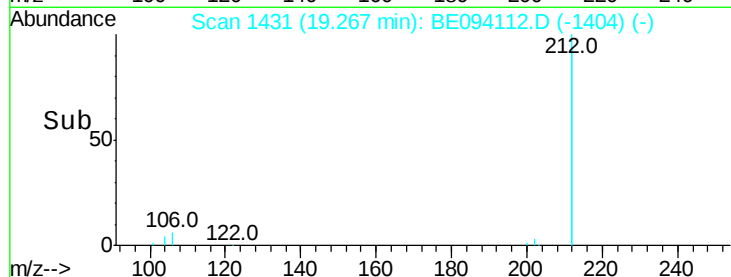
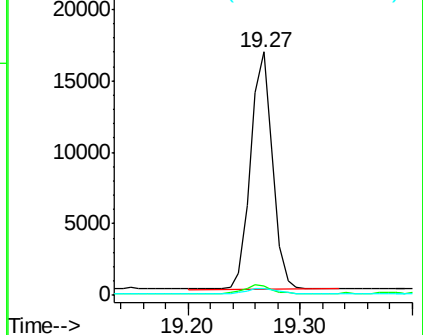
104 3.3 1.6 2.4#



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: 0.986 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

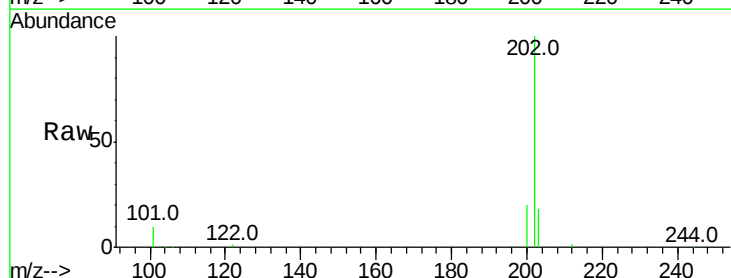
Tgt Ion:202 Resp: 52170

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.8

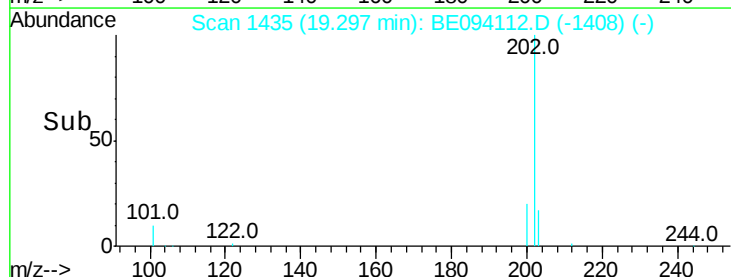
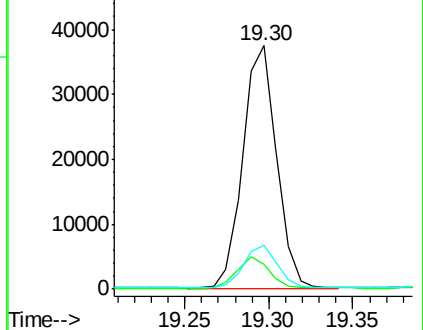
203 17.4 13.7 20.5



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: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

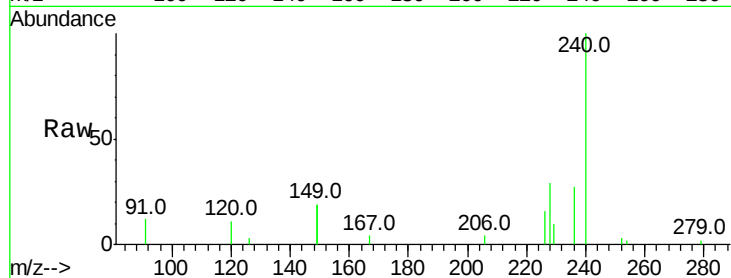
Tot Ion:240 Resp: 15838

Ion Ratio Lower Upper

240 100

120 11.3 5.5 8.3#

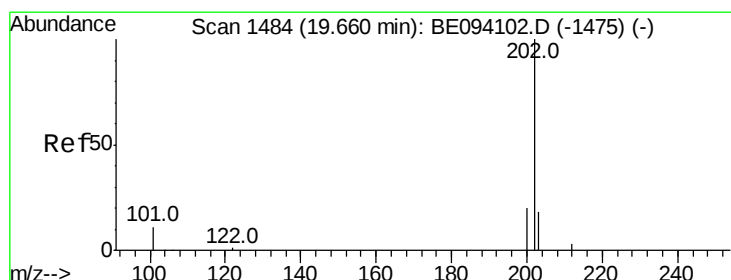
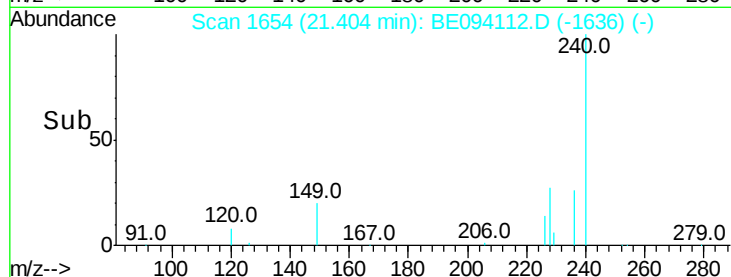
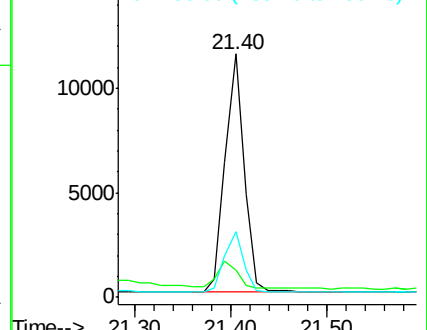
236 27.1 20.7 31.1



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: 1.069 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

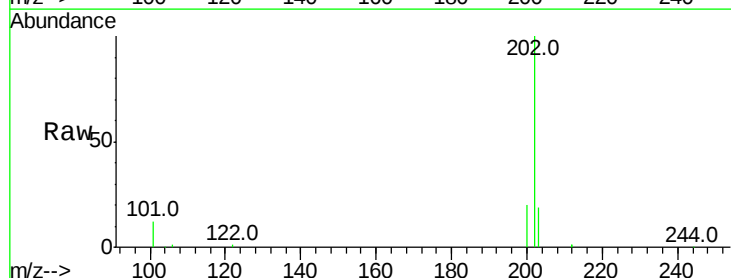
Tgt Ion:202 Resp: 53667

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

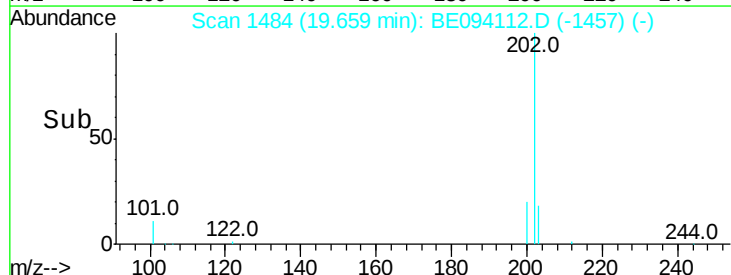
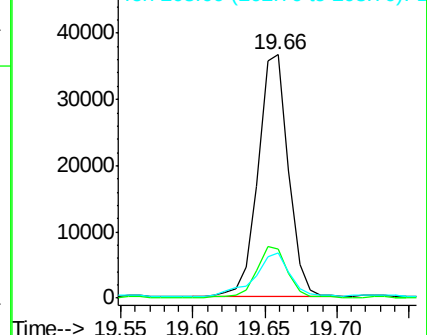
203 20.9 13.8 20.8#

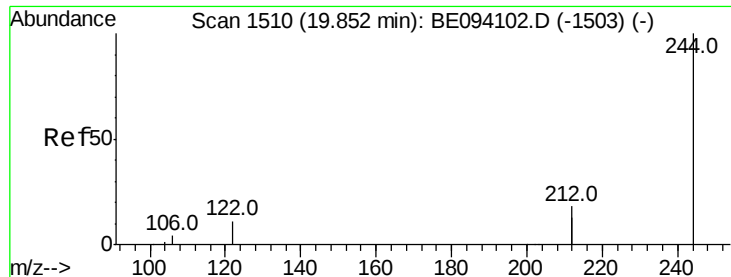


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.126 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

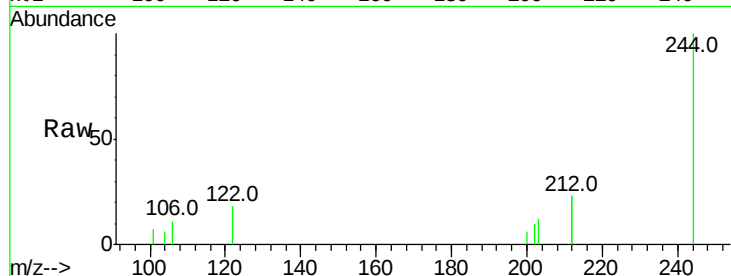
Tot Ion:244 Resp: 3633

Ion Ratio Lower Upper

244 100

212 46.9 25.4 38.0#

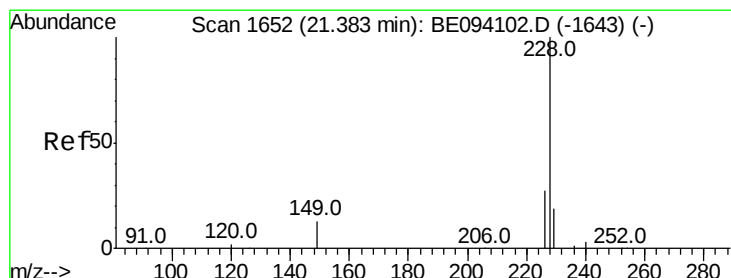
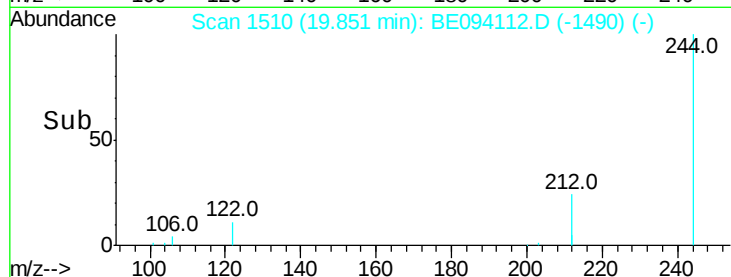
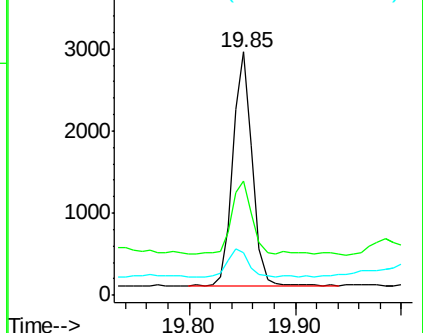
122 17.7 8.1 12.1#



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: 0.527 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

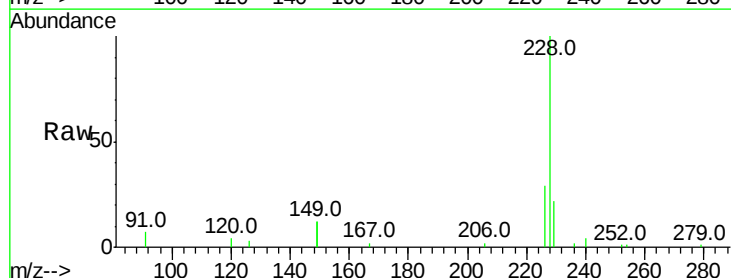
Tgt Ion:228 Resp: 28100

Ion Ratio Lower Upper

228 100

226 28.8 21.4 32.0

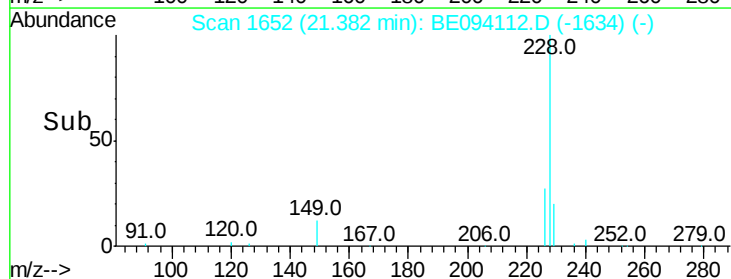
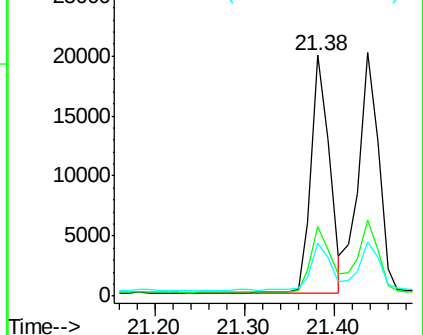
229 22.0 16.4 24.6

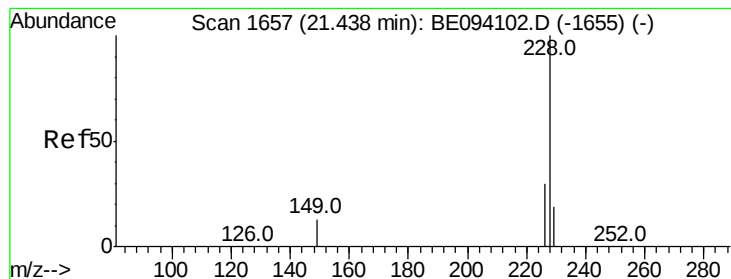


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.609 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampled :

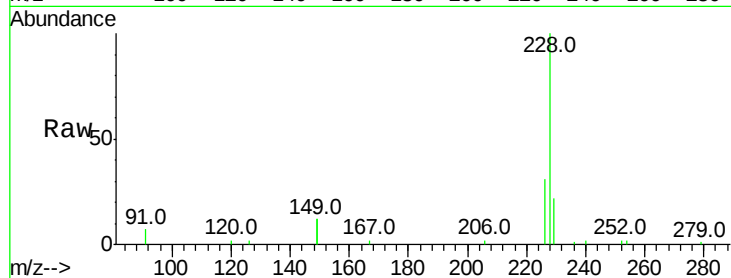
Tot Ion:228 Resp: 31366

Ion Ratio Lower Upper

228 100

226 31.2 23.6 35.4

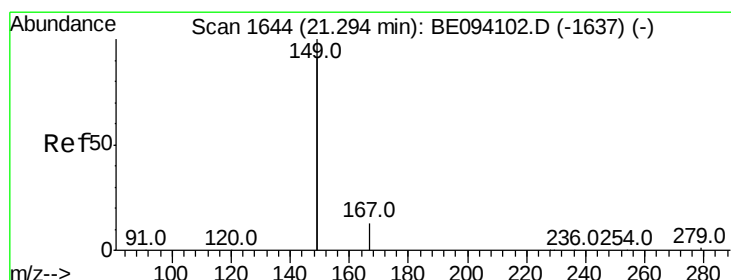
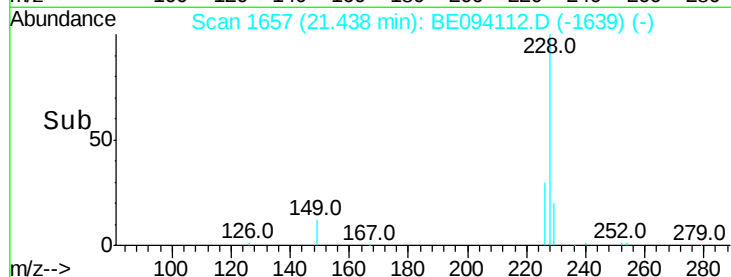
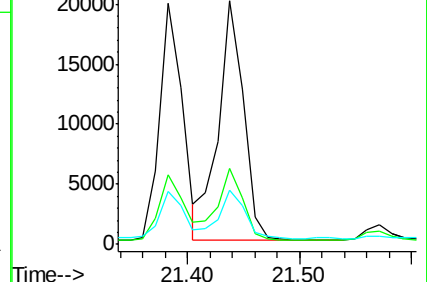
229 22.1 16.4 24.6



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: 1.082 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

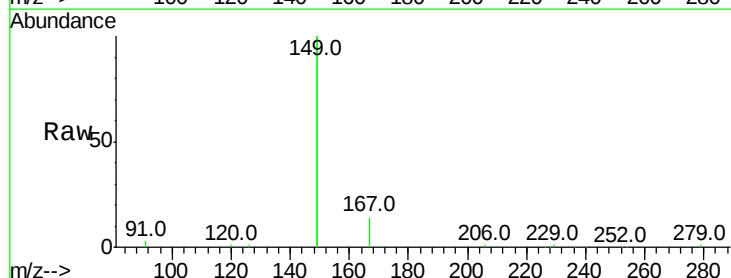
Tgt Ion:149 Resp: 165736

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

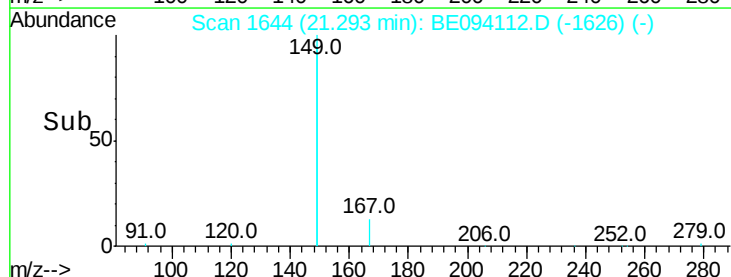
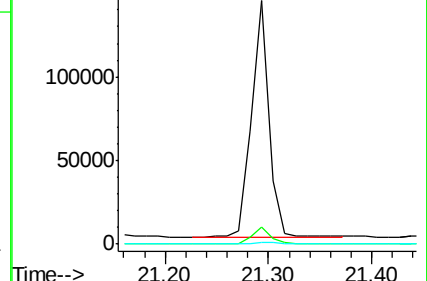
279 0.9 0.7 1.1



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: 0.356 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.01 min

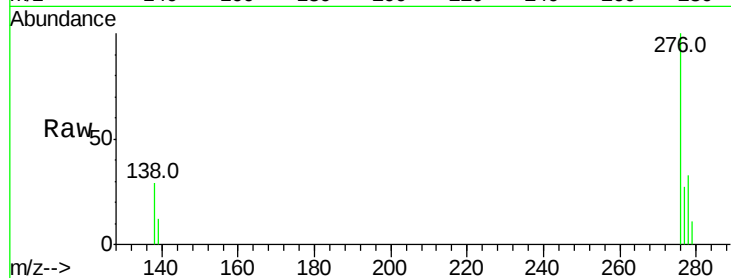
Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :



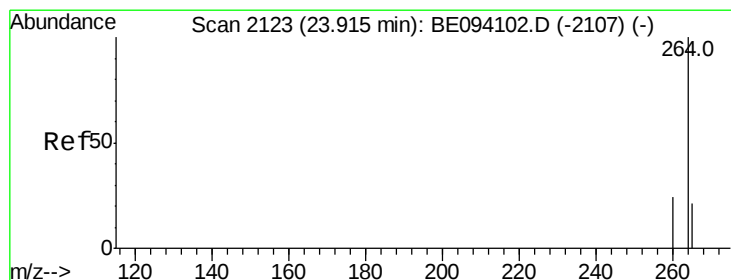
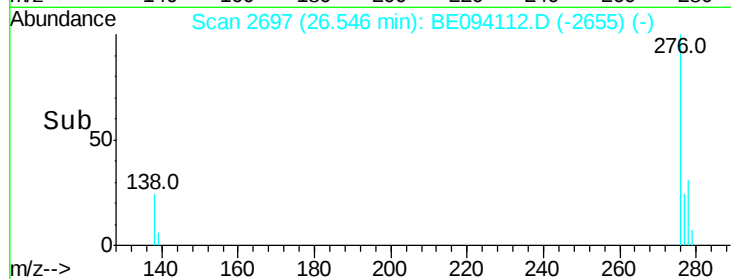
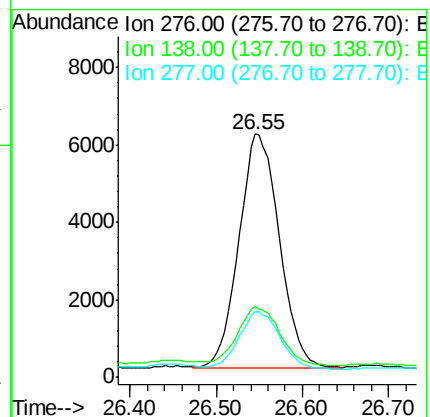
Tot Ion:276 Resp: 19598

Ion Ratio Lower Upper

276 100

138 26.0 22.5 33.7

277 25.0 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

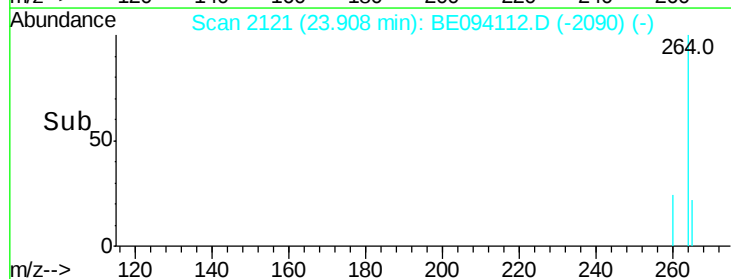
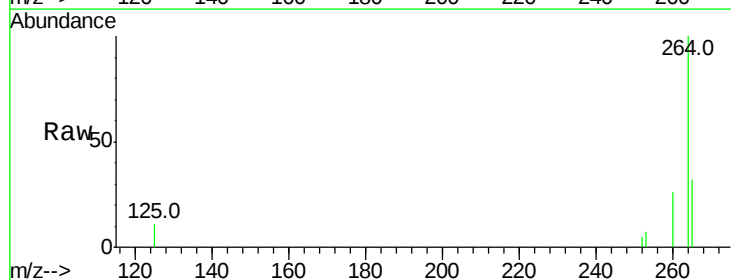
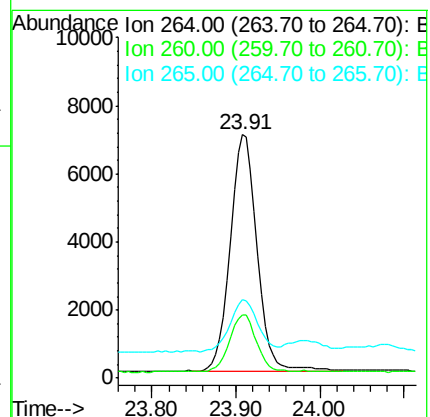
Tgt Ion:264 Resp: 15379

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 32.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.627 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

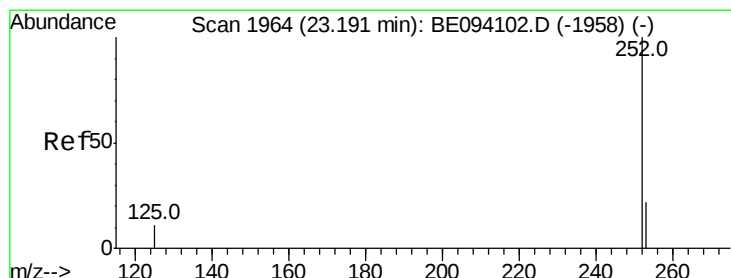
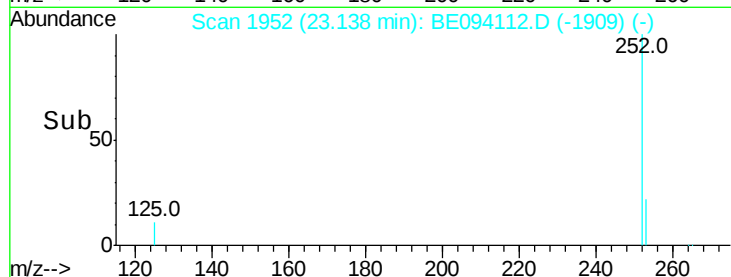
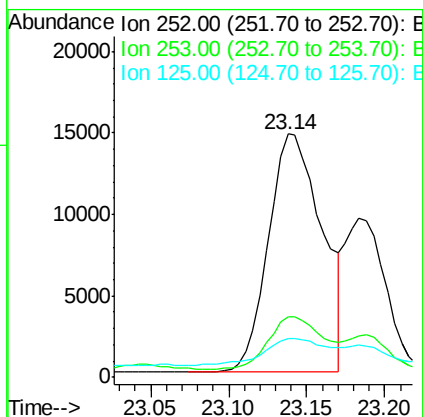
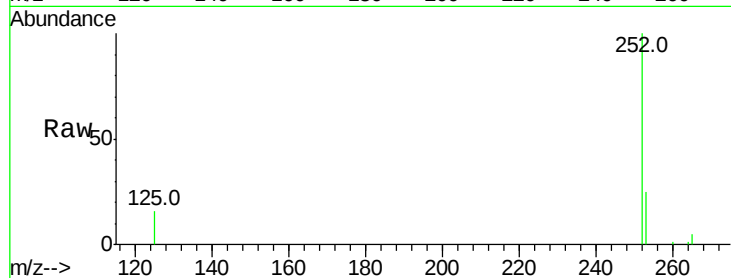
Tot Ion:252 Resp: 34818

Ion Ratio Lower Upper

252 100

253 24.9 18.2 27.2

125 16.0 10.1 15.1#



#36

Benzo(k)fluoranthene

Concen: 0.655 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.05 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

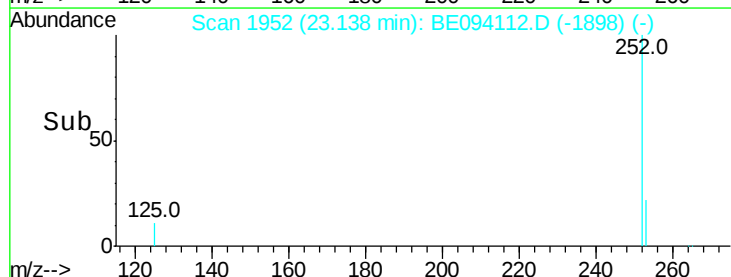
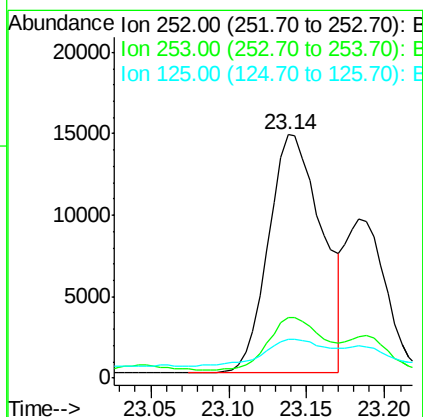
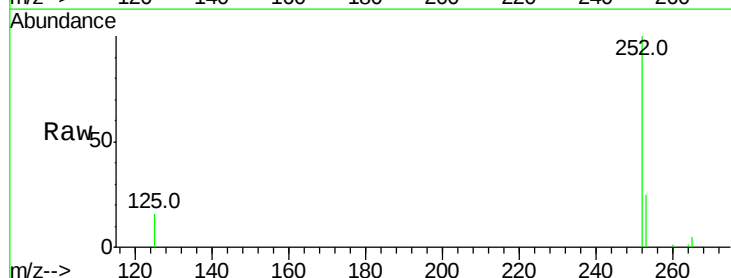
Tgt Ion:252 Resp: 34818

Ion Ratio Lower Upper

252 100

253 24.9 18.6 27.8

125 16.0 10.7 16.1





#37

Benzo(a)pyrene

Concen: 0.523 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :

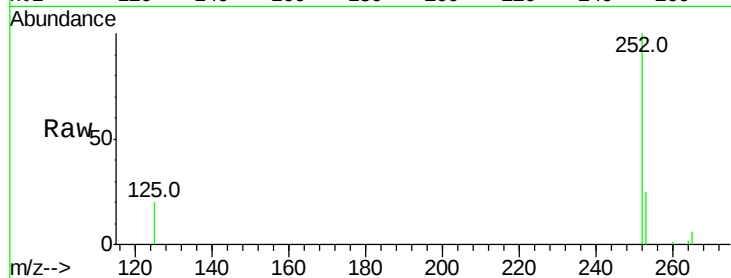
Tot Ion:252 Resp: 26221

Ion Ratio Lower Upper

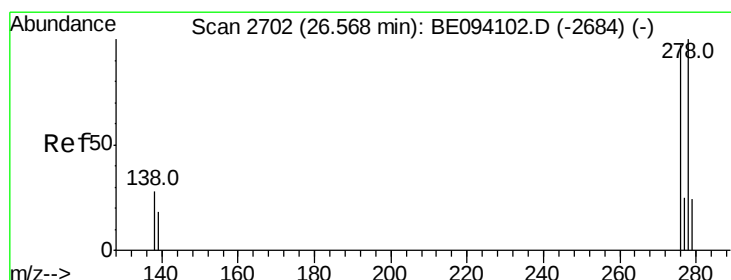
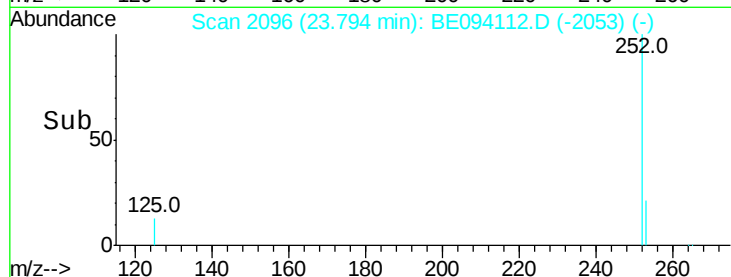
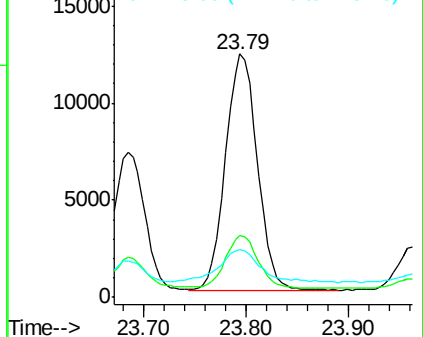
252 100

253 25.2 19.0 28.6

125 19.8 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: 0.174 ng

RT: 26.56 min Scan# 2700

Delta R.T. -0.01 min

Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

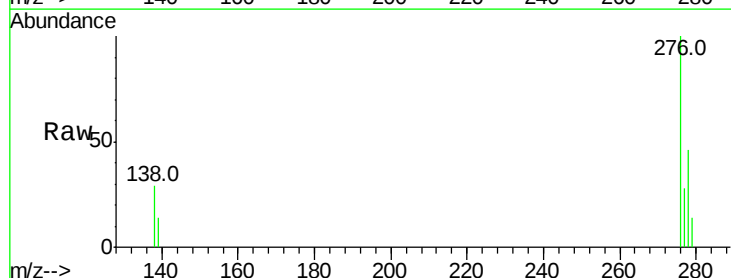
Tgt Ion:278 Resp: 8279

Ion Ratio Lower Upper

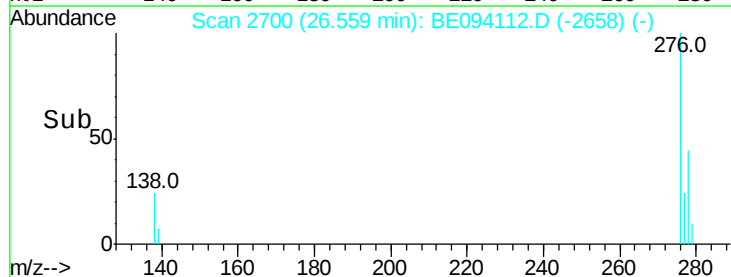
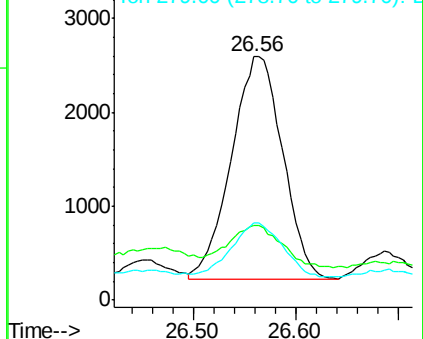
278 100

139 30.7 16.3 24.5#

279 31.6 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: 0.400 ng

RT: 27.37 min Scan# 2877

Delta R.T. -0.01 min

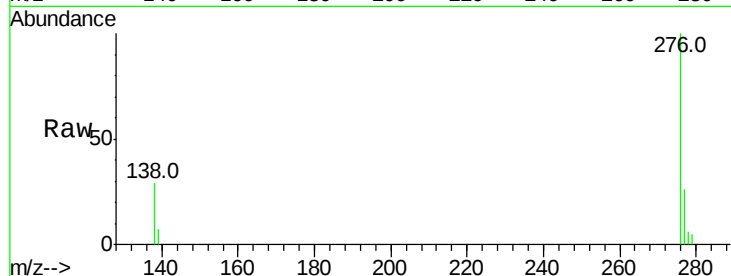
Lab File: BE094112.D

Acq: 25 Sep 2017 21:08

Instrument :

BNA_E

ClientSampleId :



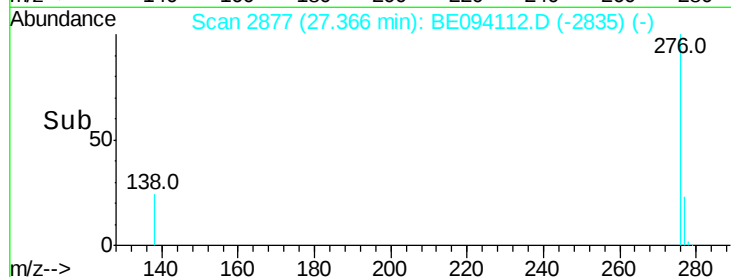
Tot Ion:276 Resp: 18810

Ion Ratio Lower Upper

276 100

277 26.4 20.8 31.2

138 29.4 21.5 32.3



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

