

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094125.D
 Acq On : 26 Sep 2017 10:22
 Operator : SJ/JU
 Sample : I5340-12DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 15:49:34 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	7.90	152	1482	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7462	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4811	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18136	0.40	ng	0.00
27) Chrysene-d12	21.40	240	13959	0.40	ng	0.00
34) Perylene-d12	23.91	264	13222	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	158	0.03	ng	0.00
5) Phenol-d6	7.10	99	165	0.02	ng	0.01
8) Nitrobenzene-d5	9.06	82	162	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	247	0.02	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	39	-0.03	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	354	0.02	ng	0.02
25) Fluoranthene-d10	19.27	212	3135	0.02	ng	0.00
29) Terphenyl-d14	19.85	244	611	0.02	ng	0.00

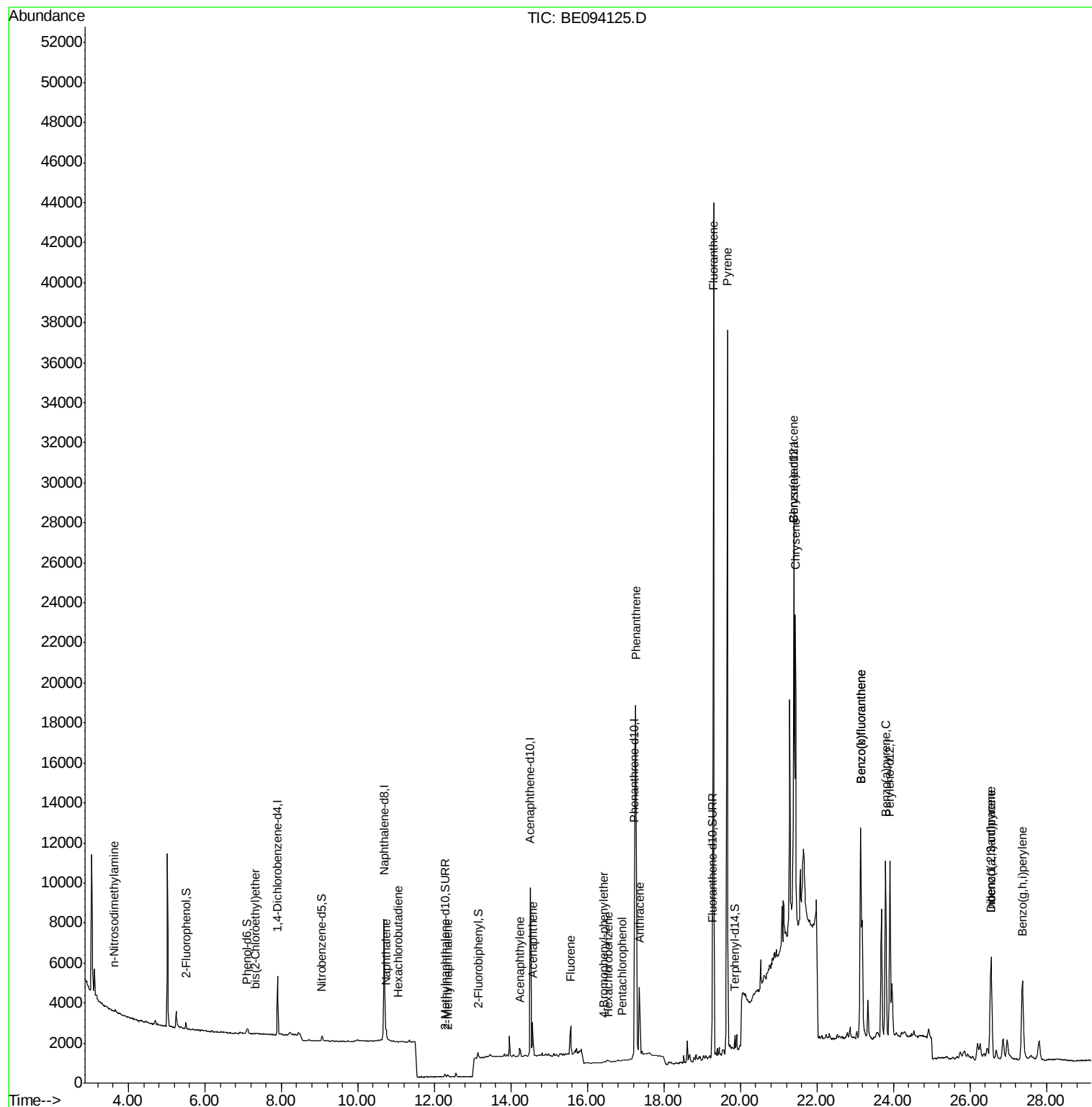
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.64	42	70	0.019	ng	# 1
6) bis(2-Chloroethyl)ether	7.33	93	8	0.001	ng	# 65
9) Naphthalene	10.74	128	850	0.010	ng	# 78
10) Hexachlorobutadiene	11.04	225	6	0.002	ng	# 1
12) 2-Methylnaphthalene	12.35	142	111	0.008	ng	# 71
16) Acenaphthylene	14.23	152	638	0.026	ng	95
17) Acenaphthene	14.57	154	852	0.057	ng	97
18) Fluorene	15.56	166	1005	0.049	ng	93
20) 4-Bromophenyl-phenylether	16.42	248	2	0.000	ng	# 18
21) Hexachlorobenzene	16.55	284	10	0.002	ng	# 26
22) Pentachlorophenol	16.91	266	10	0.002	ng	94
23) Phenanthrene	17.27	178	26690	0.575	ng	98
24) Anthracene	17.37	178	5540	0.114	ng	# 94
26) Fluoranthene	19.30	202	40020	0.770	ng	99
28) Pyrene	19.66	202	35780	0.809	ng	# 94
30) Benzo(a)anthracene	21.38	228	18452	0.393	ng	95
31) Chrysene	21.44	228	15245	0.336	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	15950	Below Cal		# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	9302	0.192	ng	96
35) Benzo(b)fluoranthene	23.14	252	19485	0.408	ng	# 88
36) Benzo(k)fluoranthene	23.14	252	19485	0.427	ng	# 89
37) Benzo(a)pyrene	23.80	252	13990	0.325	ng	# 90
38) Dibenzo(a,h)anthracene	26.56	278	2189	0.054	ng	# 38
39) Benzo(g,h,i)perylene	27.38	276	9395	0.232	ng	92

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

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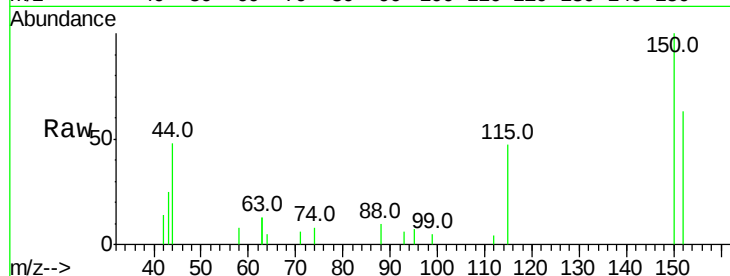


#1

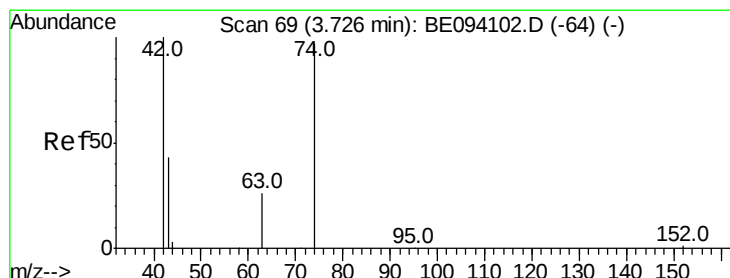
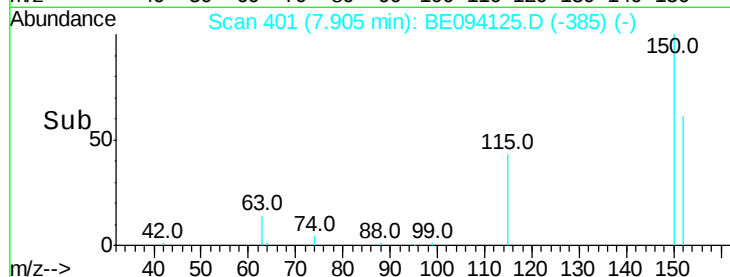
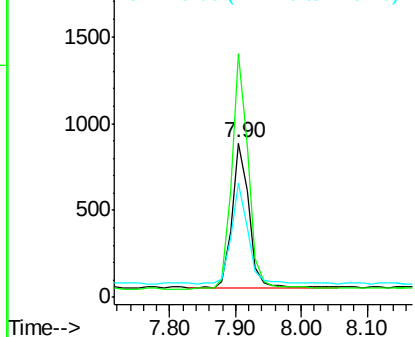
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1482
Ion Ratio Lower Upper
152 100
150 158.1 117.2 175.8
115 74.0 57.0 85.6



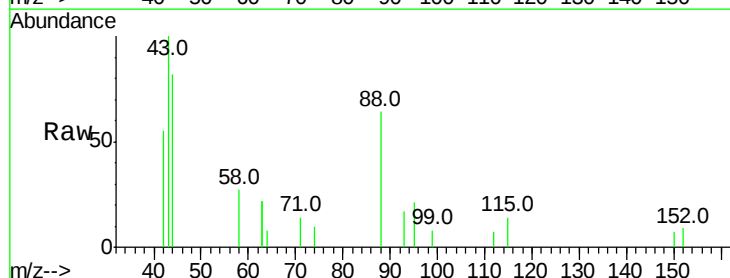
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



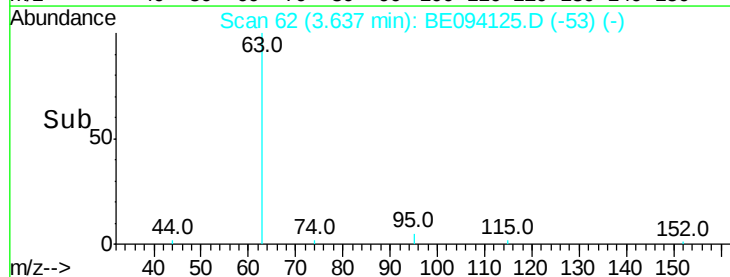
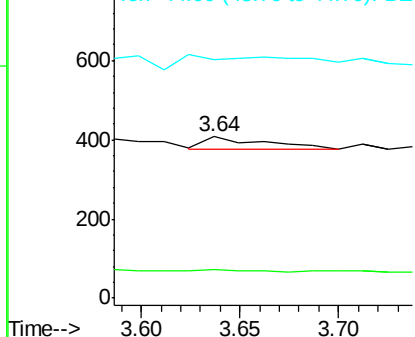
#3

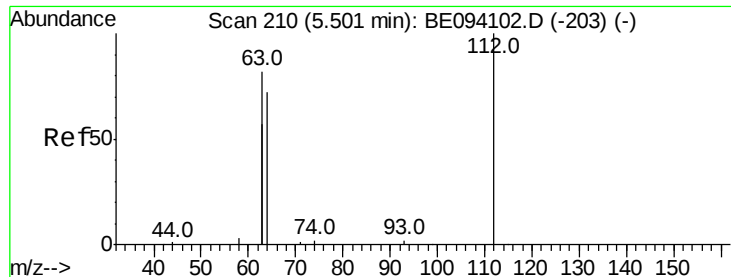
n-Nitrosodimethylamine
Concen: 0.019 ng
RT: 3.64 min Scan# 62
Delta R.T. -0.09 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion: 42 Resp: 70
Ion Ratio Lower Upper
42 100
74 14.3 100.3 150.5#
44 97.1 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: 0.028 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampled :

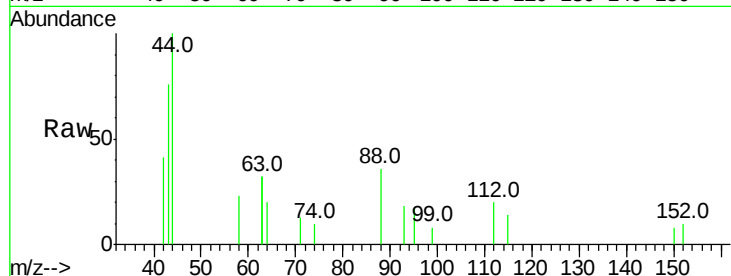
Tot Ion: 112 Resp: 158

Ion Ratio Lower Upper

112 100

64 72.8 60.1 90.1

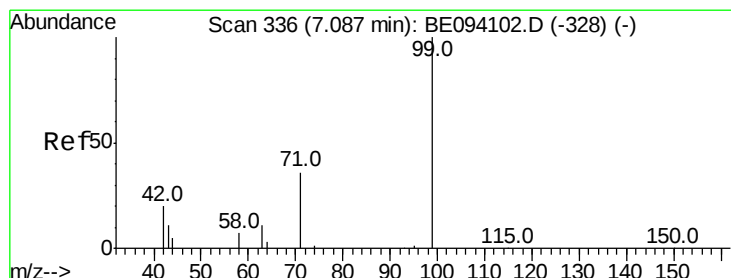
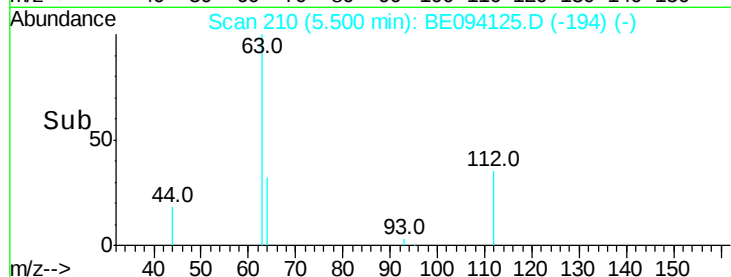
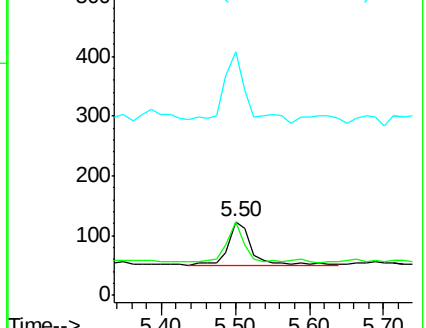
63 139.9 116.8 175.2



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: 0.021 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

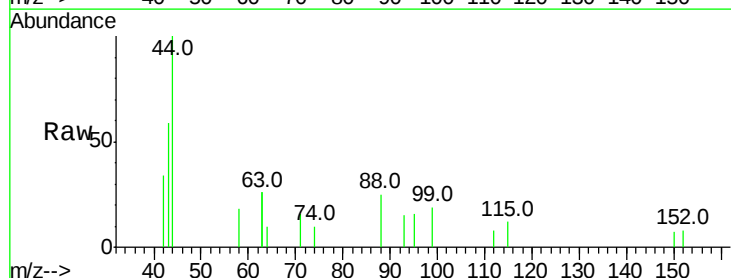
Tgt Ion: 99 Resp: 165

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

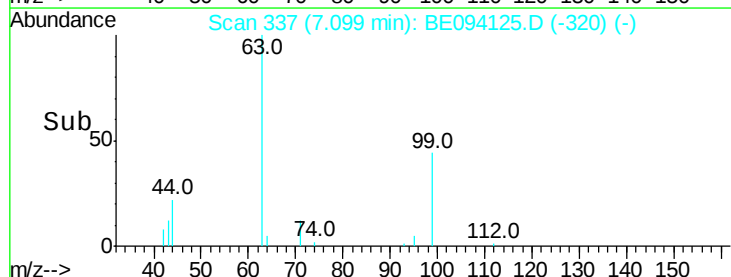
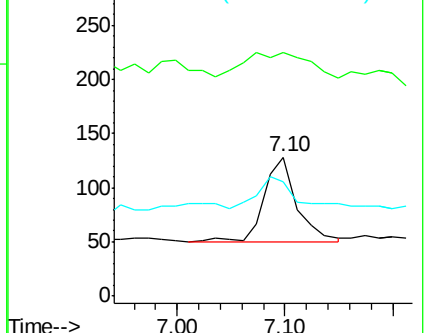
71 0.0 28.4 42.6#

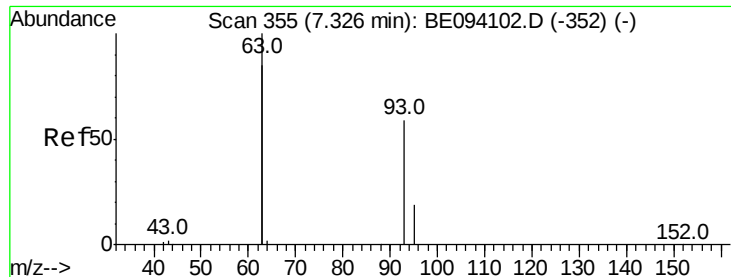


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.001 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

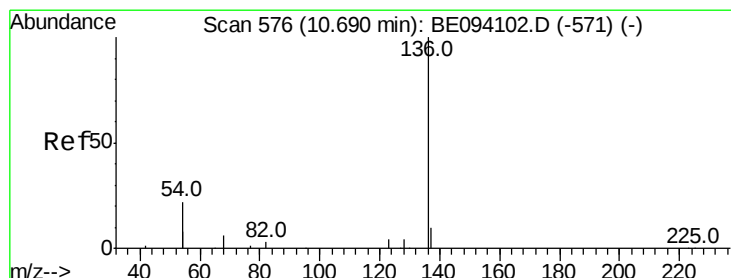
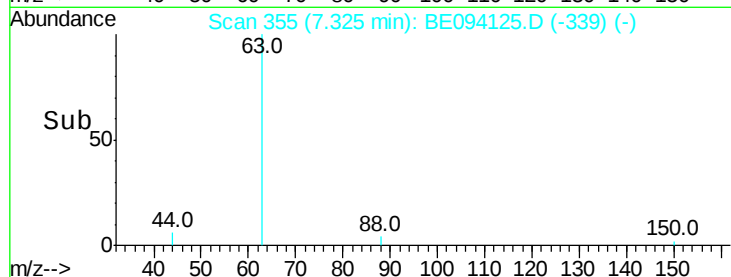
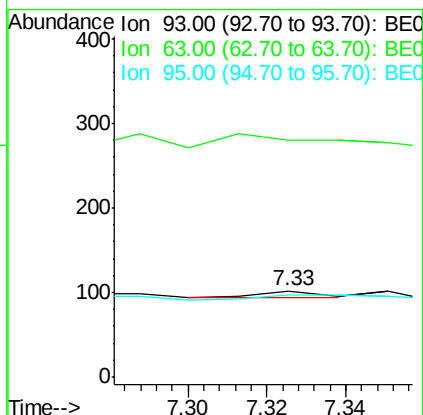
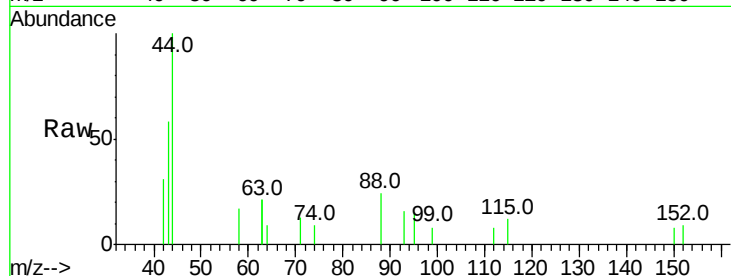
Tot Ion: 93 Resp: 8

Ion Ratio Lower Upper

93 100

63 375.0 275.3 412.9

95 175.0 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: BE094125.D

Acq: 26 Sep 2017 10:22

Tgt Ion: 136 Resp: 7462

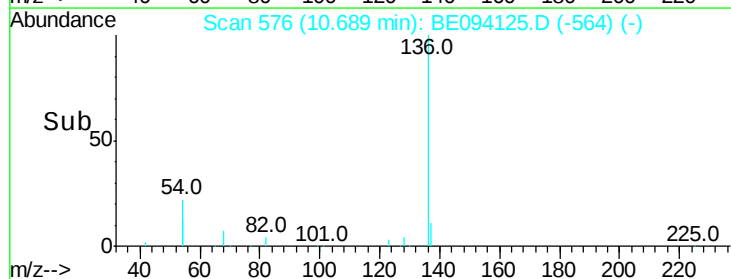
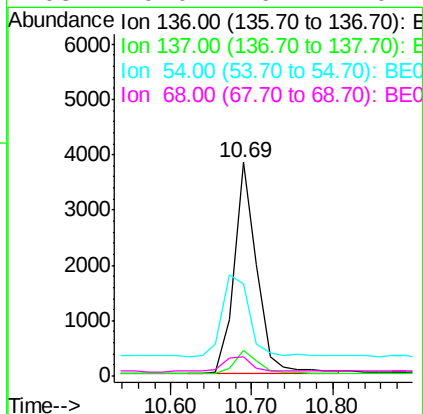
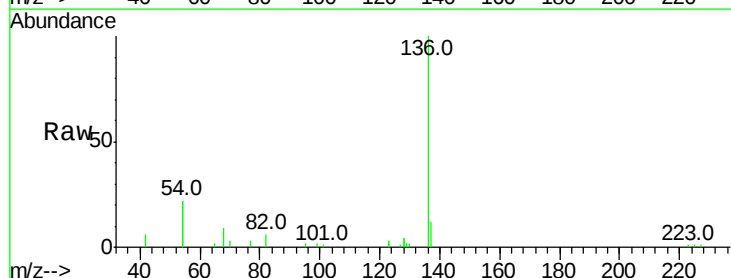
Ion Ratio Lower Upper

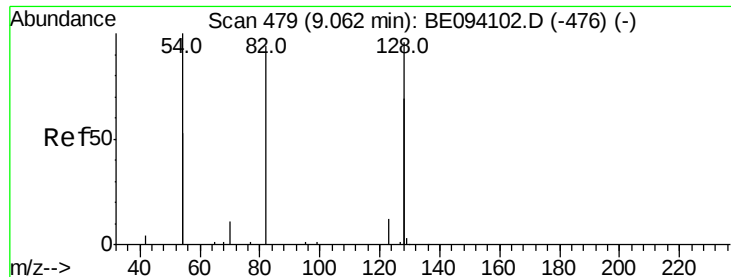
136 100

137 11.9 9.5 14.3

54 43.1 29.1 43.7

68 9.0 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

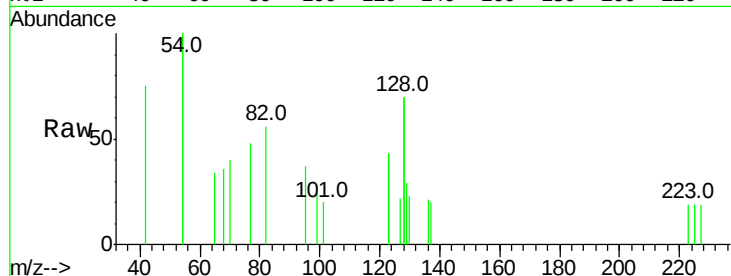
Tot Ion: 82 Resp: 162

Ion Ratio Lower Upper

82 100

128 248.5 150.0 225.0#

54 355.9 154.2 231.4#

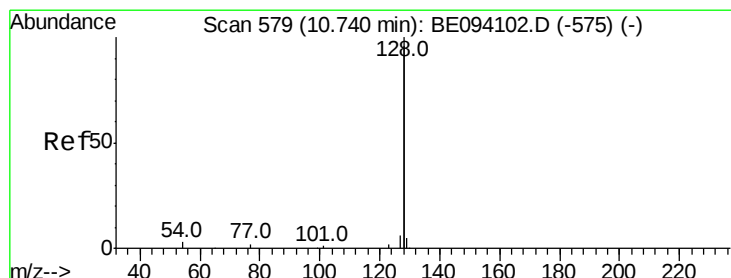
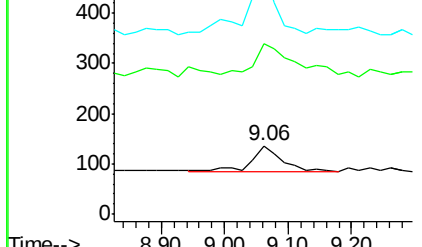
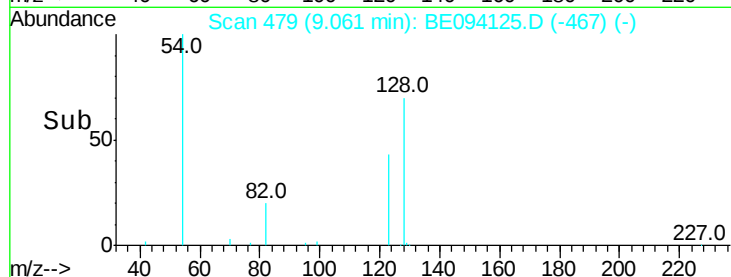


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#9

Naphthalene

Concen: 0.010 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

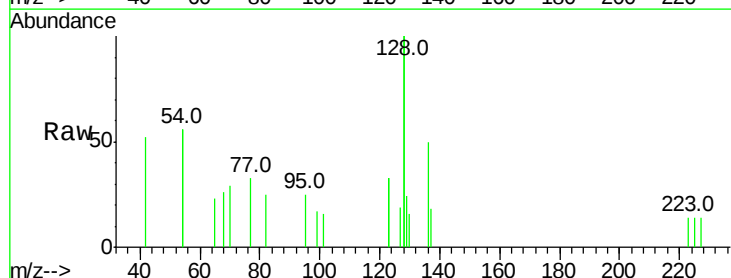
Tgt Ion: 128 Resp: 850

Ion Ratio Lower Upper

128 100

129 12.2 2.6 3.8#

127 9.5 2.8 4.2#

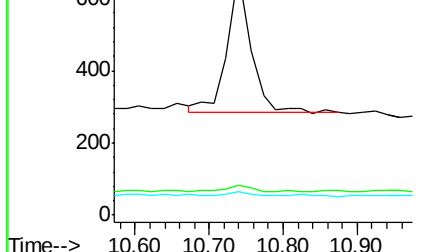
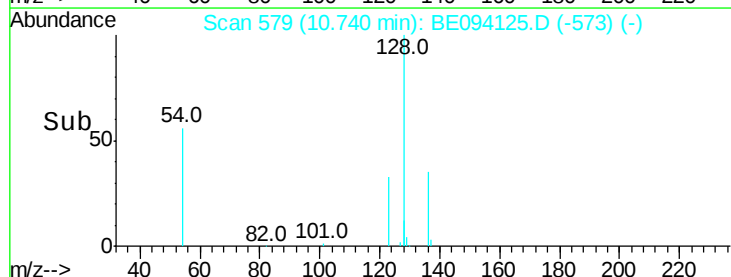


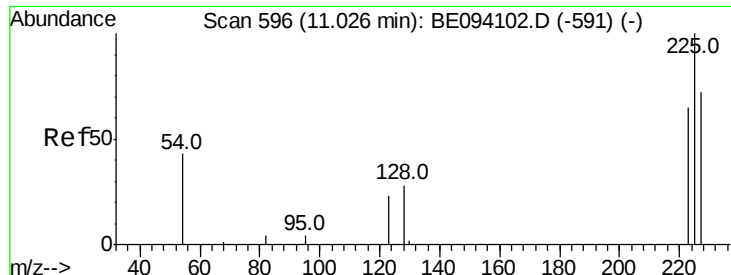
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->

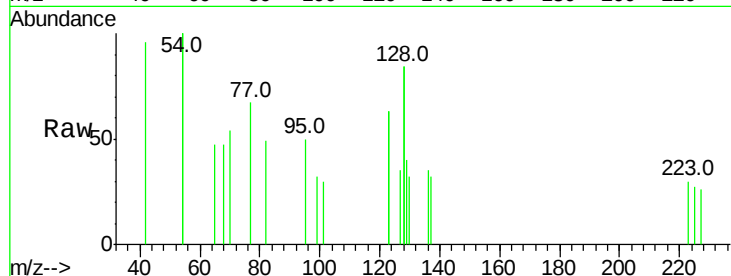




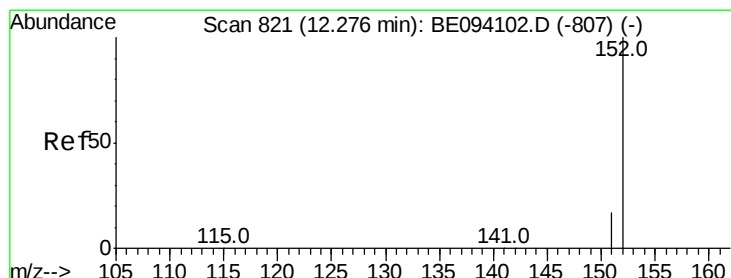
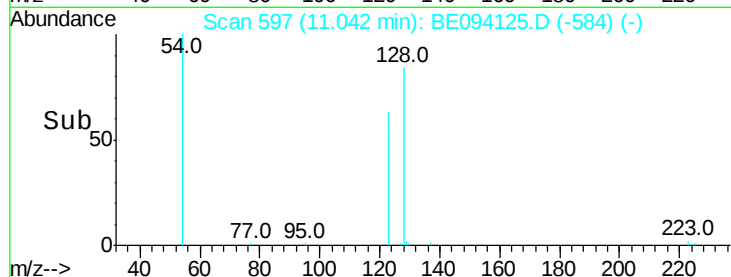
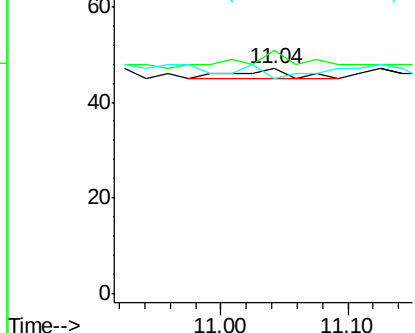
#10
Hexachlorobutadiene
Concen: 0.002 ng
RT: 11.04 min Scan# 597
Delta R.T. 0.02 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 6
Ion Ratio Lower Upper
225 100
223 233.3 53.0 79.6#
227 0.0 51.4 77.2#

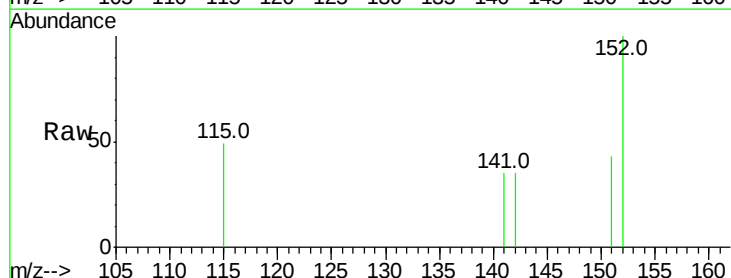


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

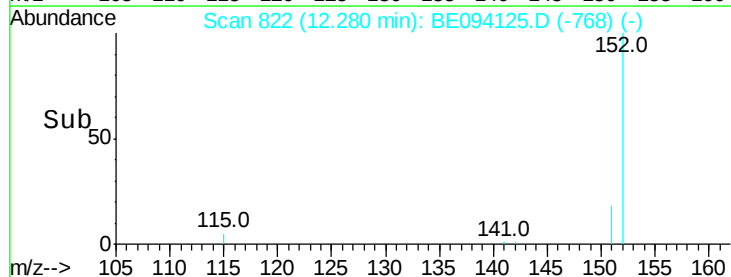
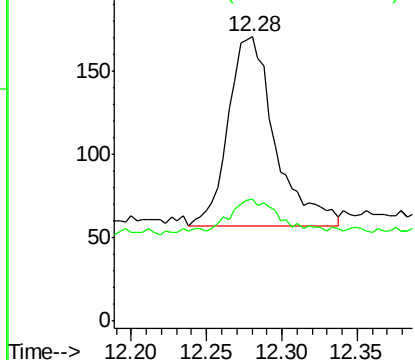


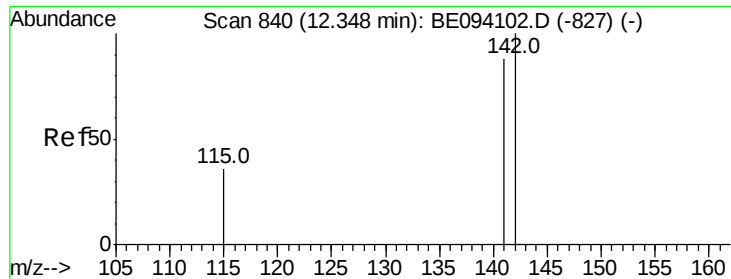
#11
2-Methylnaphthalene-d10
Concen: 0.021 ng
RT: 12.28 min Scan# 822
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion:152 Resp: 247
Ion Ratio Lower Upper
152 100
151 22.3 15.4 23.0



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

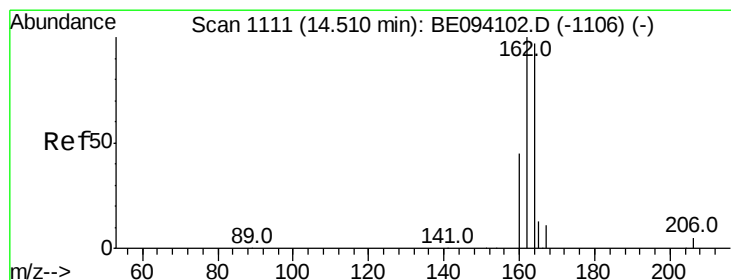
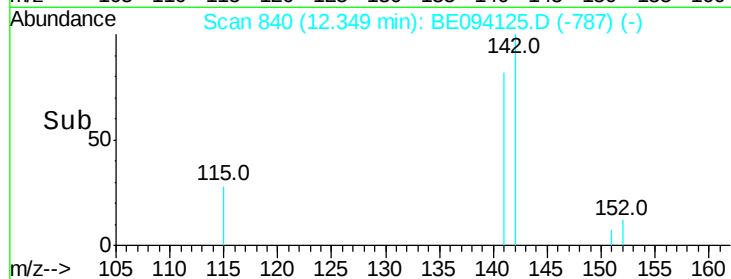
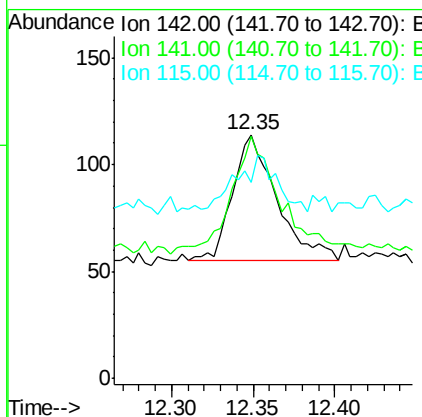
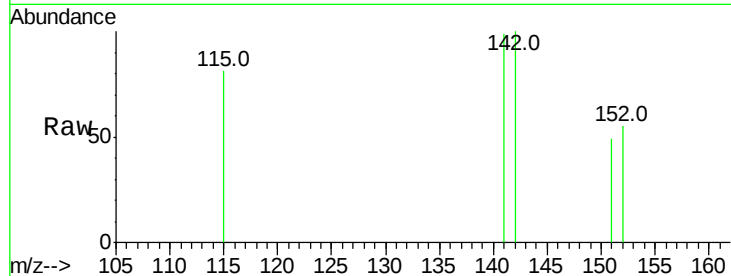




#12
2-Methylnaphthalene
Concen: 0.008 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

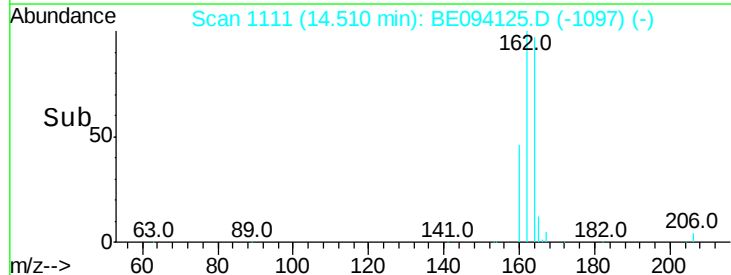
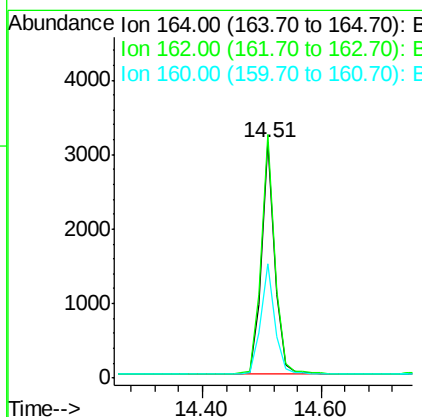
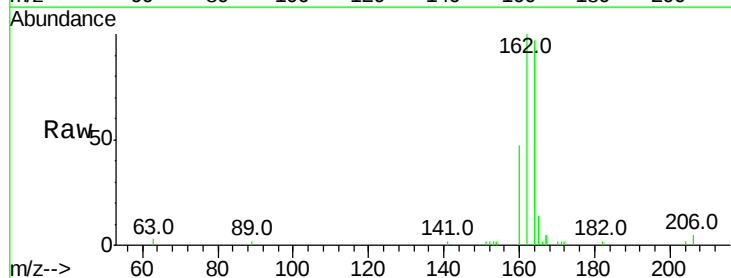
Instrument :
BNA_E
ClientSampled :

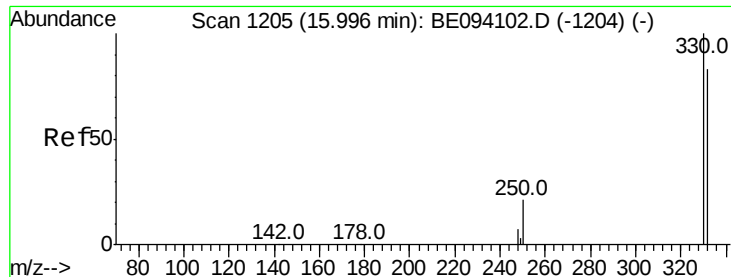
Tot Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
141 99.1 70.4 105.6
115 80.7 31.7 47.5#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion:164 Resp: 4811
Ion Ratio Lower Upper
164 100
162 103.4 83.1 124.7
160 48.6 37.1 55.7

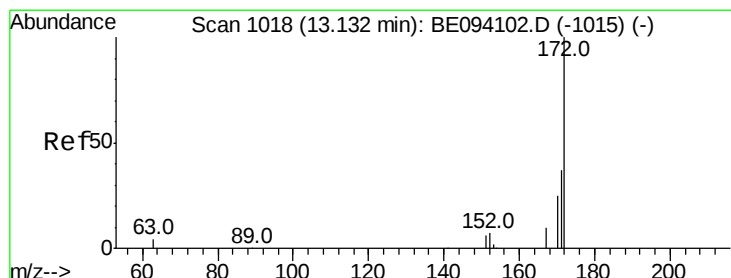
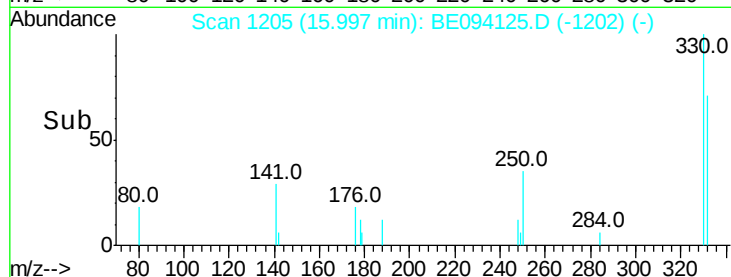
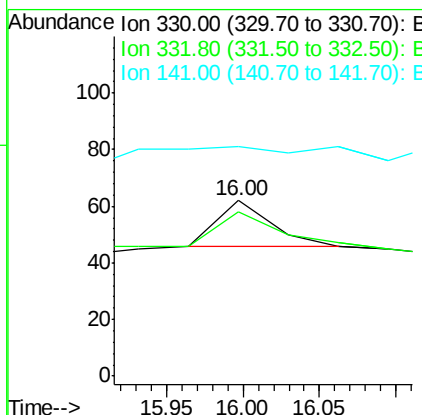
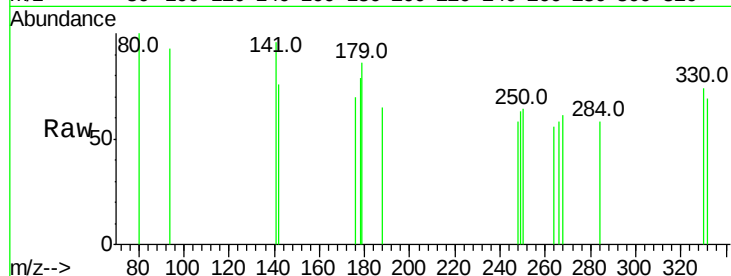




#14
 2,4,6-Tribromophenol
 Concen: -0.027 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094125.D
 Acq: 26 Sep 2017 10:22

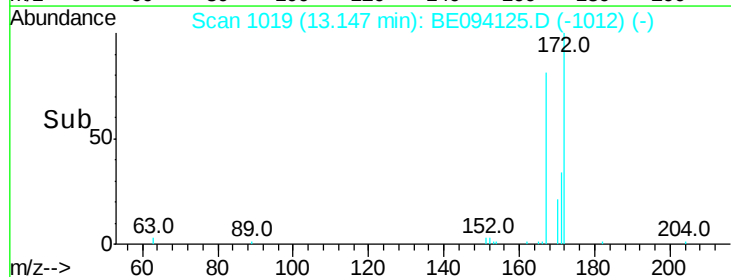
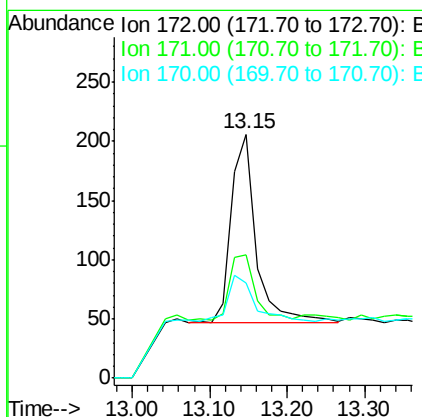
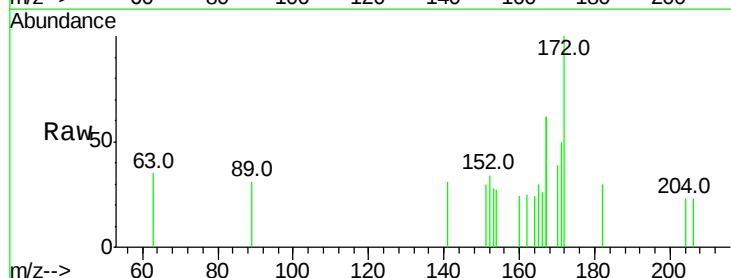
Instrument :
 BNA_E
 ClientSampled :

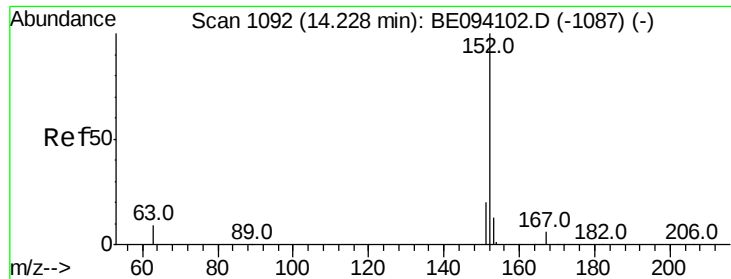
Tot Ion:330 Resp: 39
 Ion Ratio Lower Upper
 330 100
 332 84.6 152.7 229.1#
 141 0.0 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.022 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. 0.02 min
 Lab File: BE094125.D
 Acq: 26 Sep 2017 10:22

Tgt Ion:172 Resp: 354
 Ion Ratio Lower Upper
 172 100
 171 50.5 29.9 44.9#
 170 39.3 21.8 32.8#





#16

Acenaphthylene

Concen: 0.026 ng

RT: 14.23 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

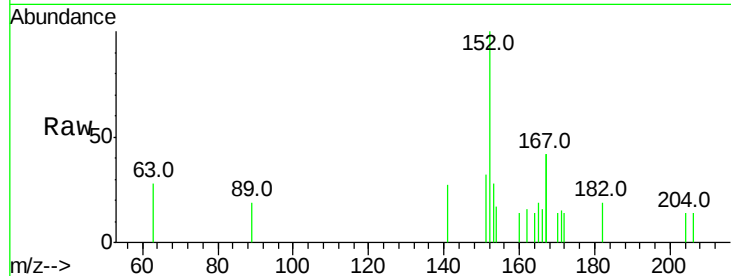
Tot Ion:152 Resp: 638

Ion Ratio Lower Upper

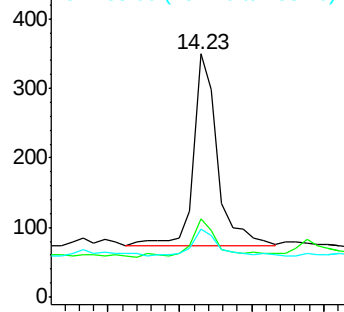
152 100

151 21.2 15.7 23.5

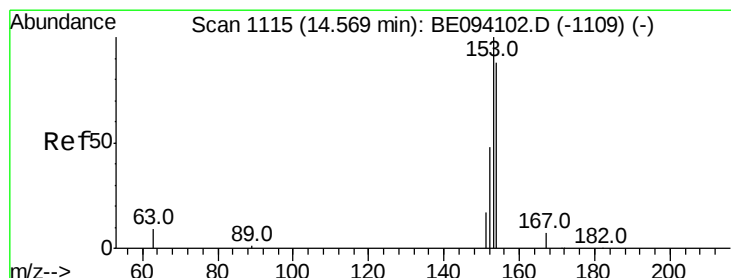
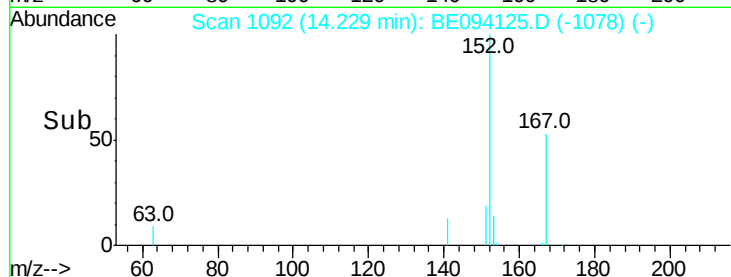
153 15.7 10.5 15.7



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



Time-->



#17

Acenaphthene

Concen: 0.057 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

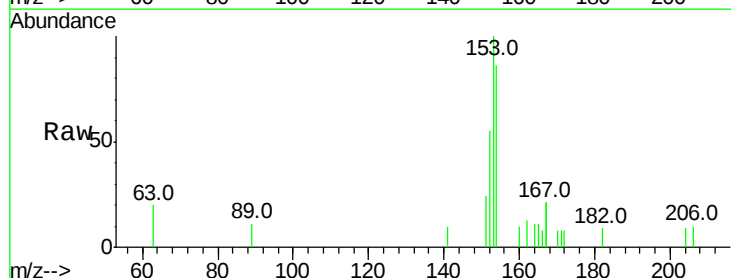
Tgt Ion:154 Resp: 852

Ion Ratio Lower Upper

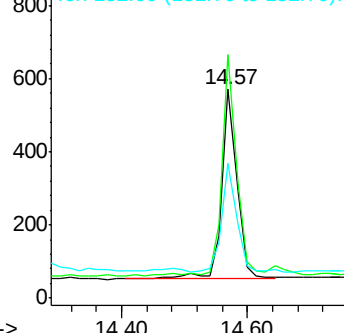
154 100

153 110.7 89.2 133.8

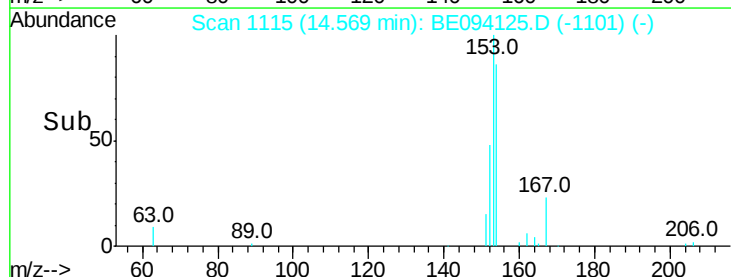
152 57.7 42.0 63.0

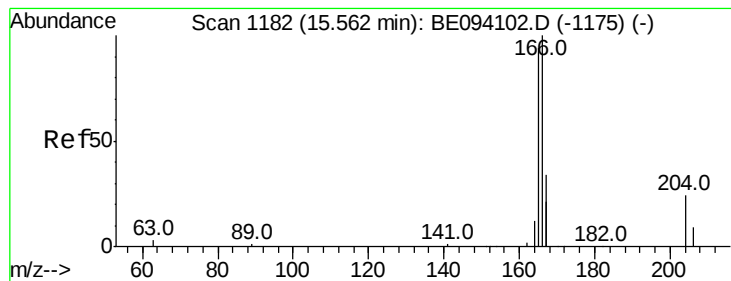


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->





#18

Fluorene

Concen: 0.049 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

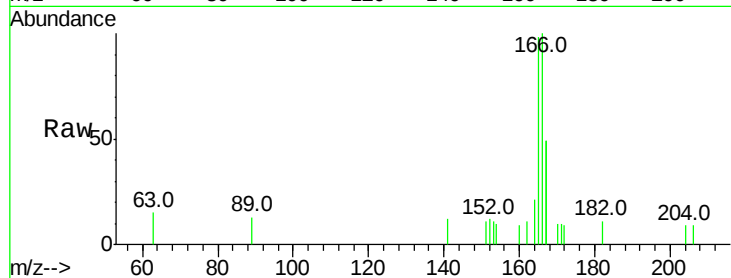
Tot Ion:166 Resp: 1005

Ion Ratio Lower Upper

166 100

165 103.2 77.8 116.6

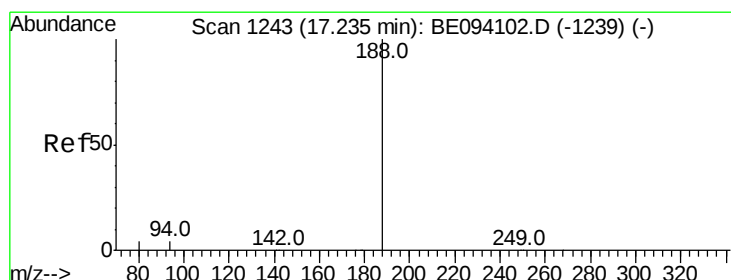
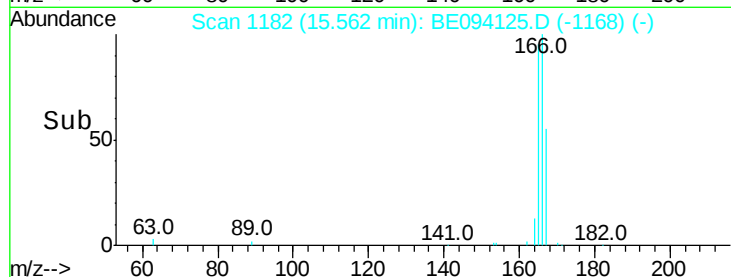
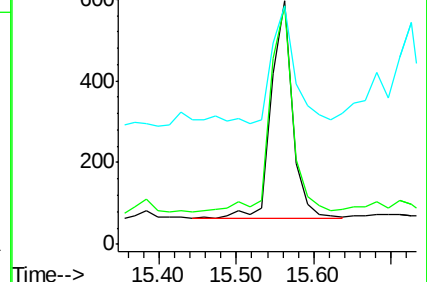
167 58.9 42.4 63.6



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: BE094125.D

Acq: 26 Sep 2017 10:22

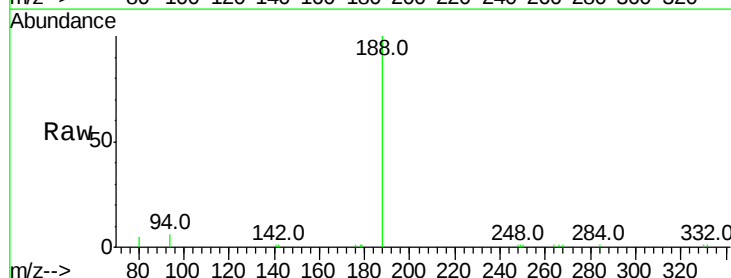
Tgt Ion:188 Resp: 18136

Ion Ratio Lower Upper

188 100

94 5.9 3.9 5.9#

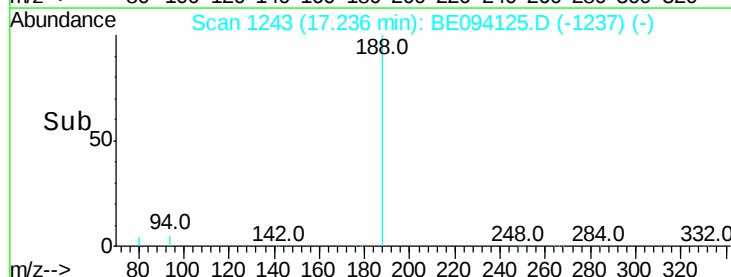
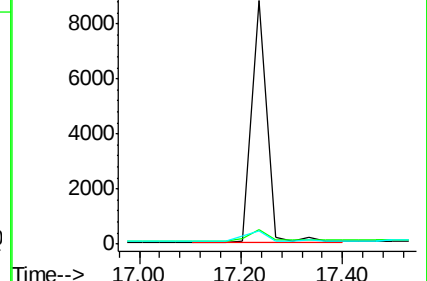
80 5.4 3.6 5.4

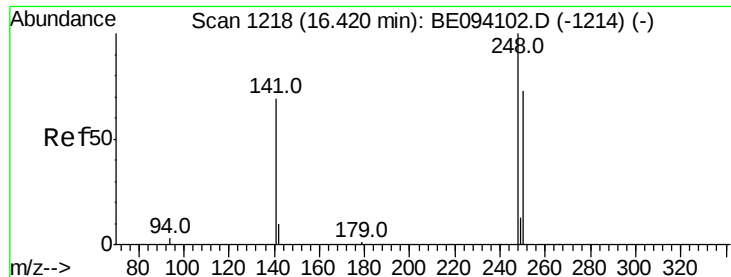


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

4-Bromophenyl-phenylether

Concen: 0.000 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampled :

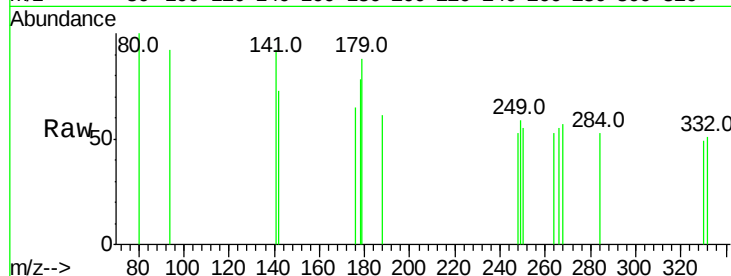
Tot Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 104.1 62.7 94.1#

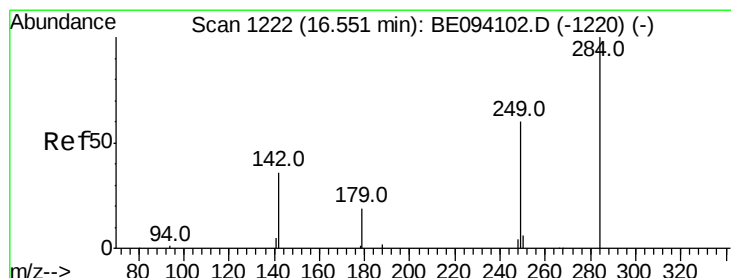
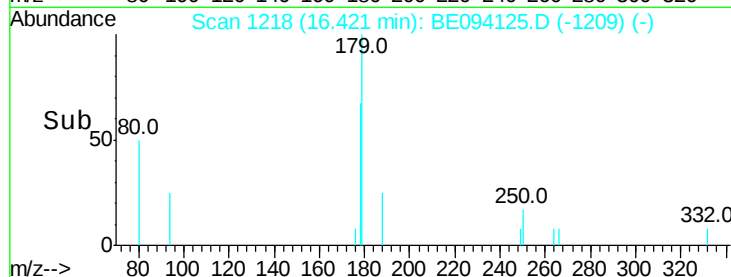
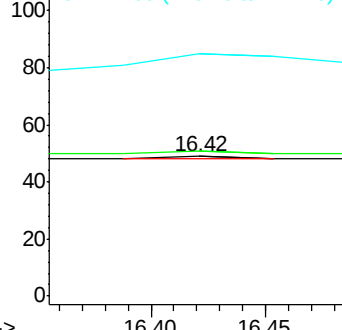
141 173.5 48.2 72.2#



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: 0.002 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

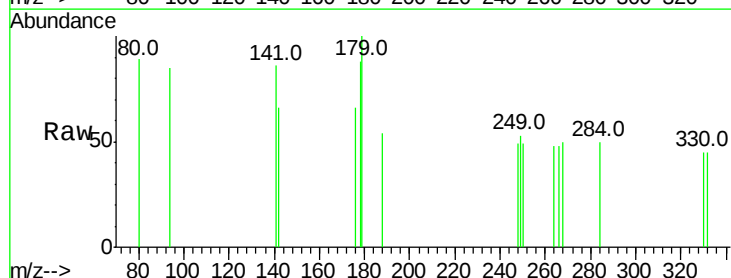
Tgt Ion:284 Resp: 10

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

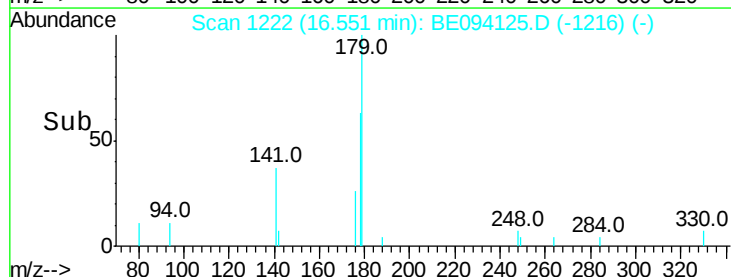
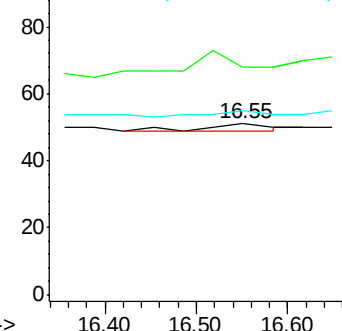
249 100.0 34.8 52.2#

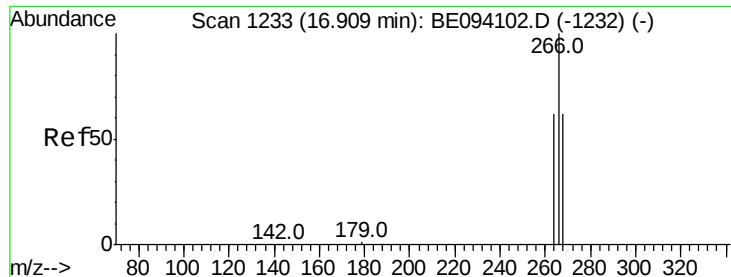


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.002 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

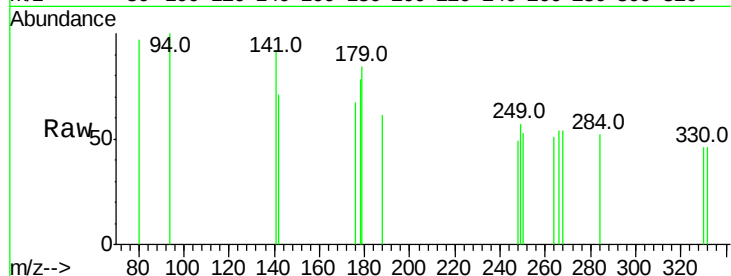
Tot Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 94.5 72.5 108.7

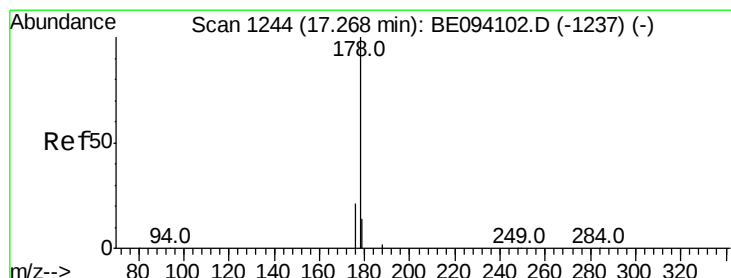
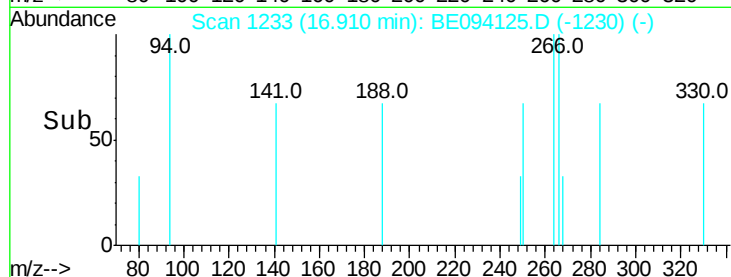
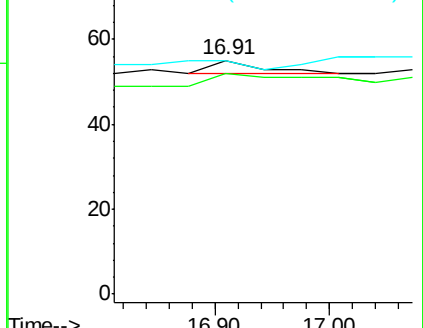
268 100.0 73.8 110.6



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: 0.575 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

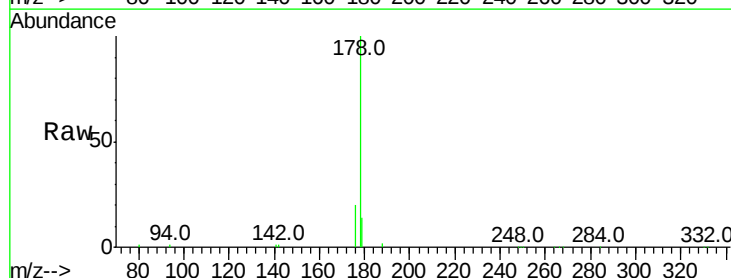
Tgt Ion:178 Resp: 26690

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

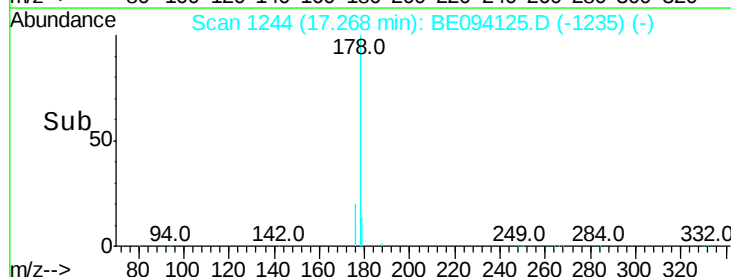
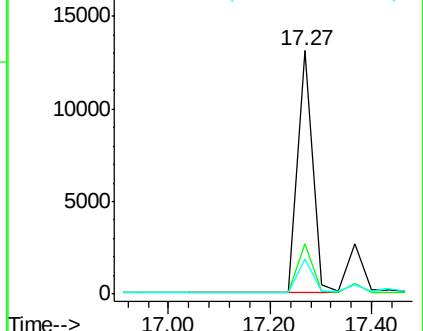
179 15.1 11.8 17.6

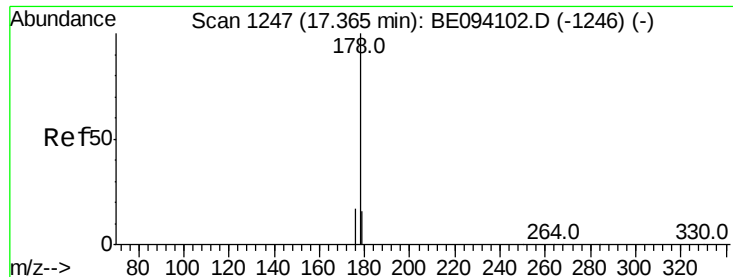


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.114 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

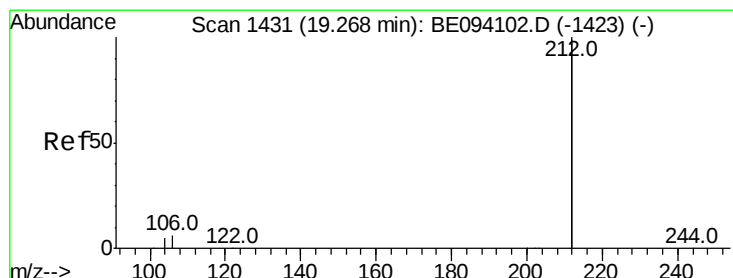
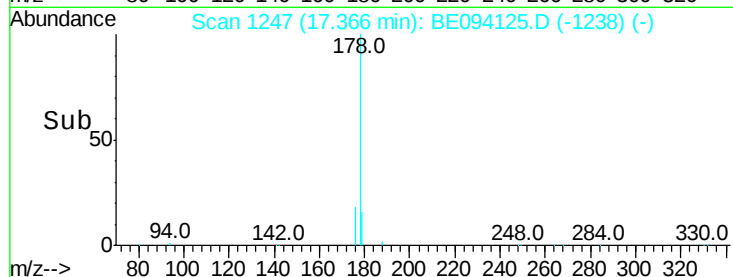
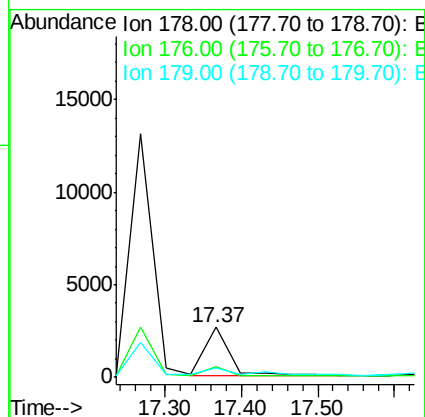
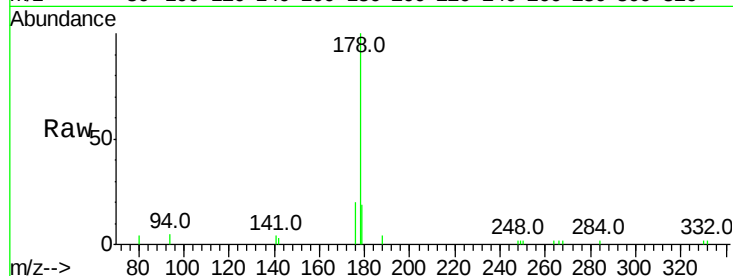
Tot Ion:178 Resp: 5540

Ion Ratio Lower Upper

178 100

176 16.6 12.8 19.2

179 20.9 13.0 19.6#



#25

Fluoranthene-d10

Concen: 0.018 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

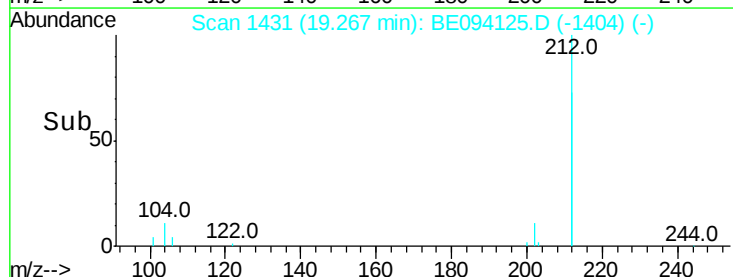
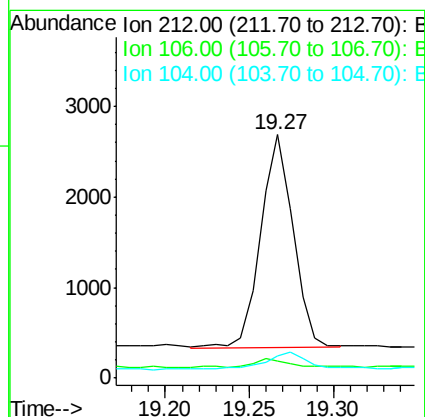
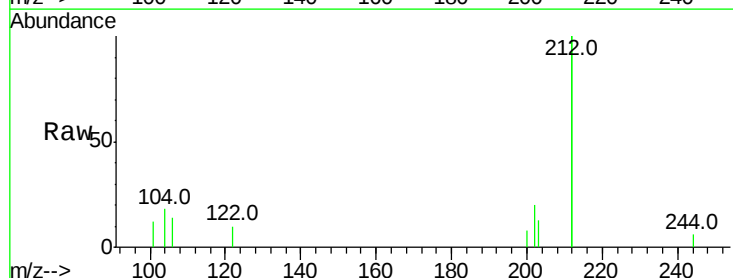
Tgt Ion:212 Resp: 3135

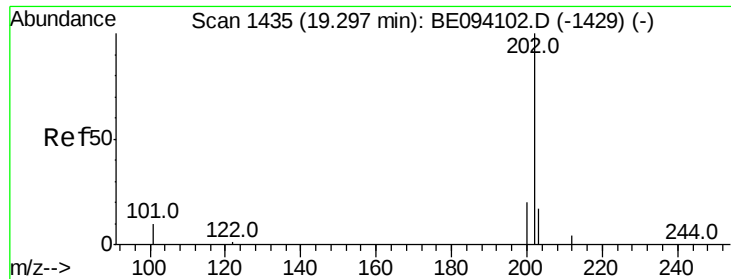
Ion Ratio Lower Upper

212 100

106 5.3 2.8 4.2#

104 11.8 1.6 2.4#





#26

Fluoranthene

Concen: 0.770 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

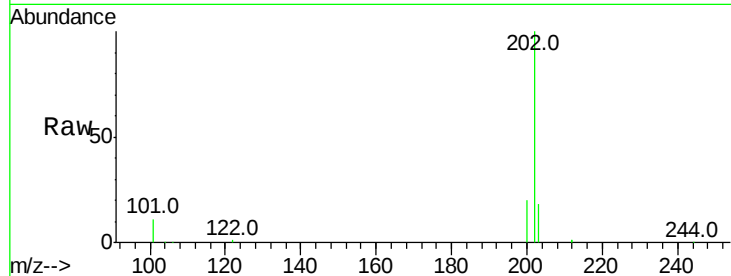
Tot Ion:202 Resp: 40020

Ion Ratio Lower Upper

202 100

101 11.8 9.8 14.8

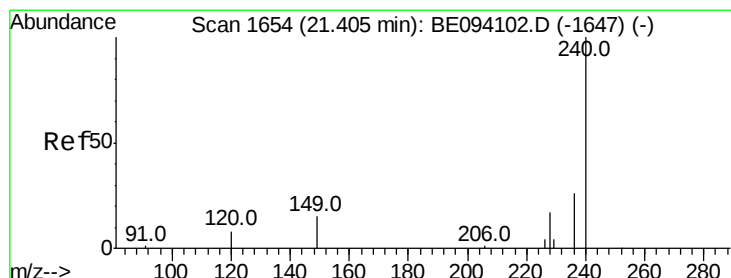
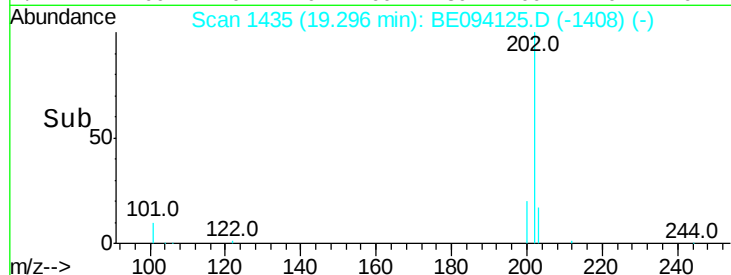
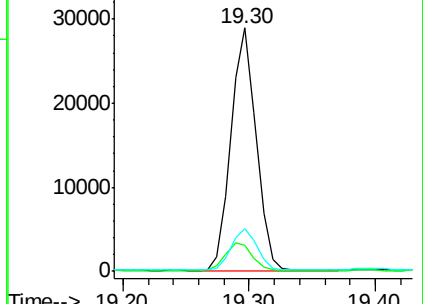
203 17.3 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

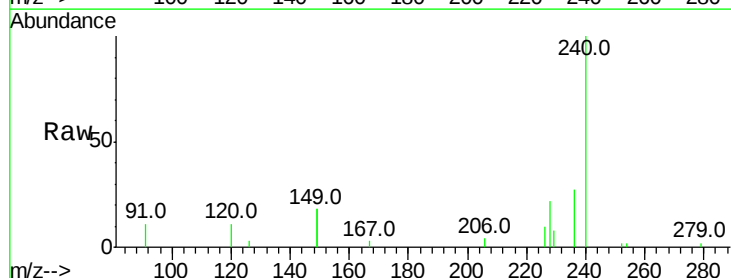
Tgt Ion:240 Resp: 13959

Ion Ratio Lower Upper

240 100

120 11.3 5.5 8.3#

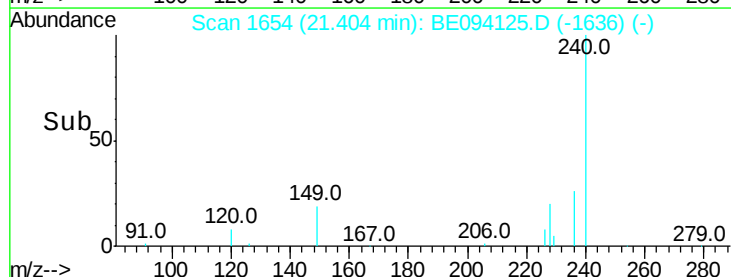
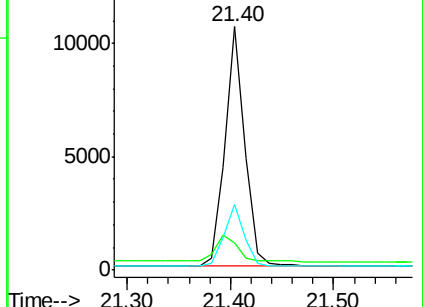
236 26.8 20.7 31.1

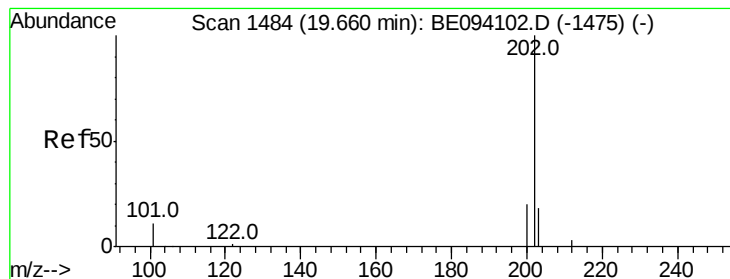


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.809 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

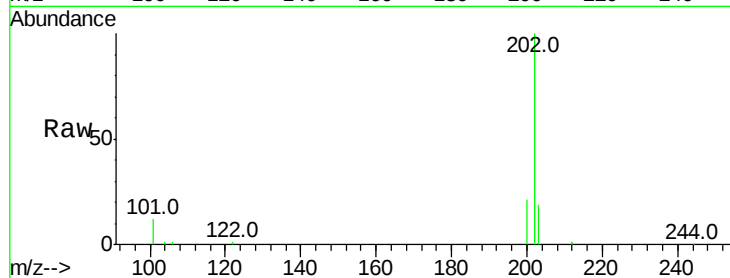
Tot Ion:202 Resp: 35780

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

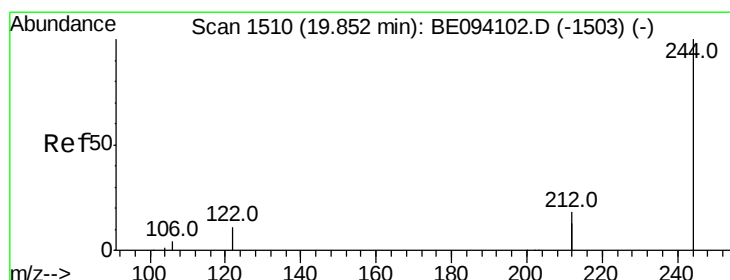
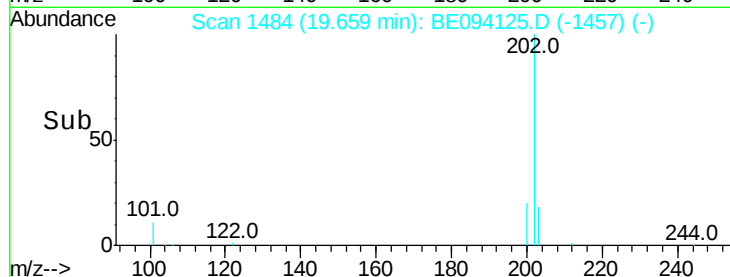
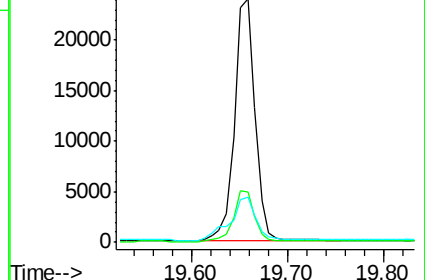
203 22.5 13.8 20.8#



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: 0.024 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

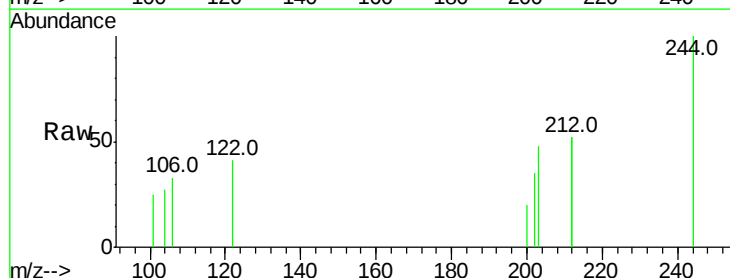
Tgt Ion:244 Resp: 611

Ion Ratio Lower Upper

244 100

212 103.6 25.4 38.0#

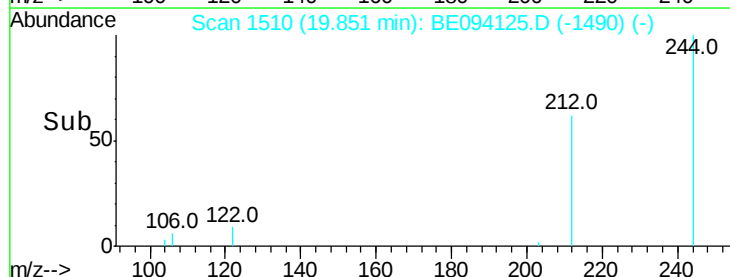
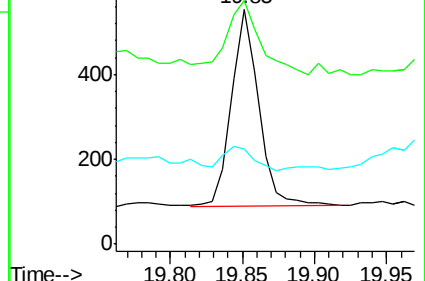
122 40.8 8.1 12.1#

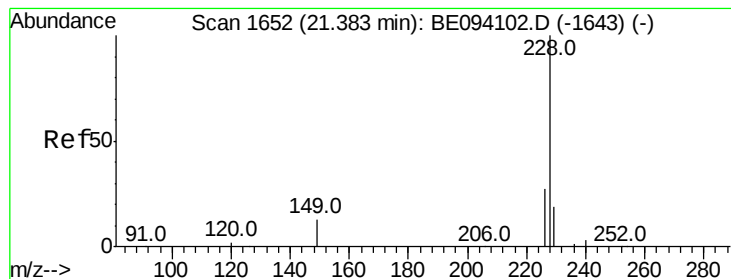


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.393 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

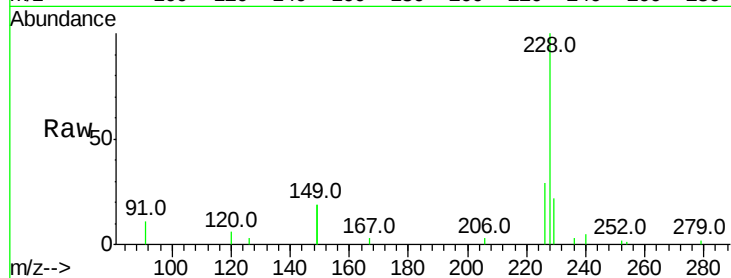
Tot Ion:228 Resp: 18452

Ion Ratio Lower Upper

228 100

226 29.5 21.4 32.0

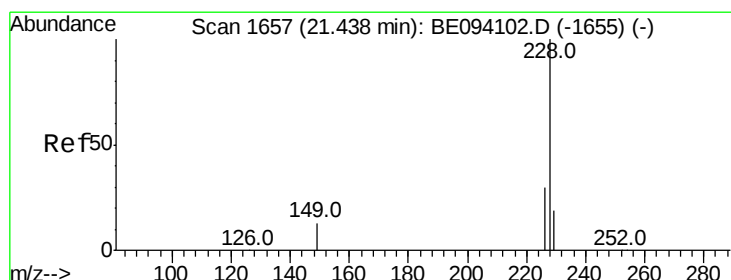
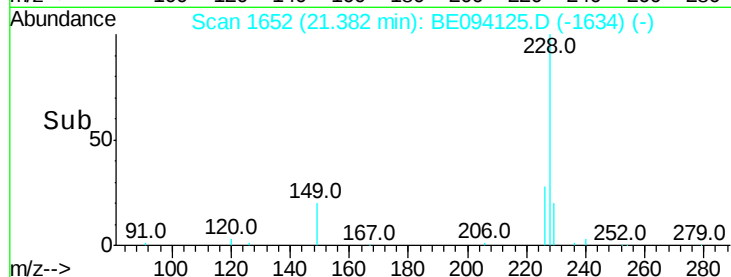
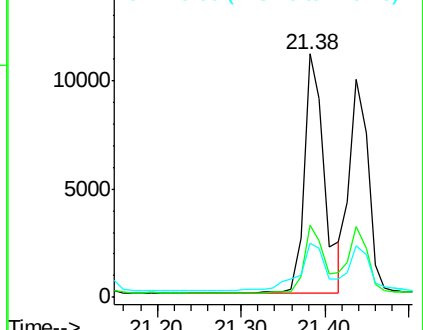
229 22.5 16.4 24.6



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: 0.336 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

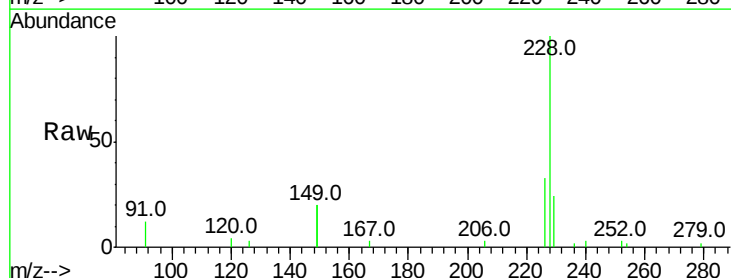
Tgt Ion:228 Resp: 15245

Ion Ratio Lower Upper

228 100

226 32.5 23.6 35.4

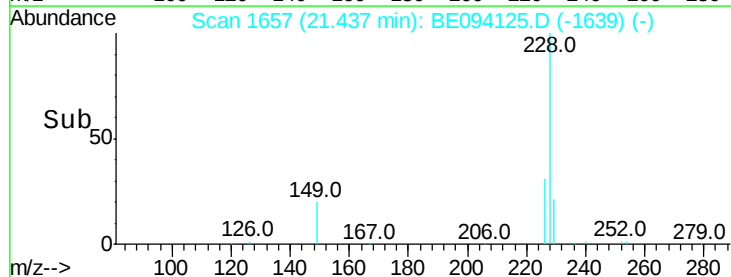
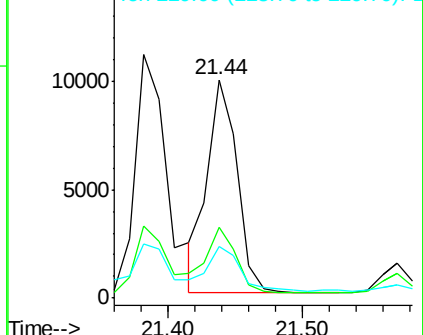
229 23.6 16.4 24.6

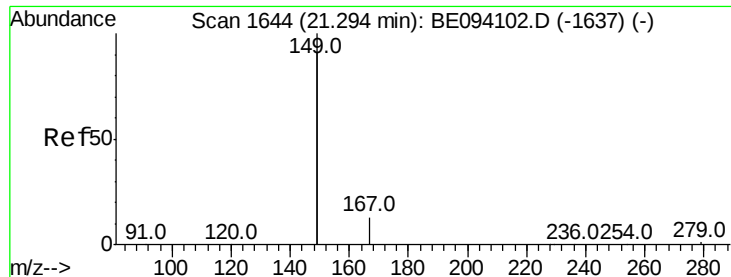


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

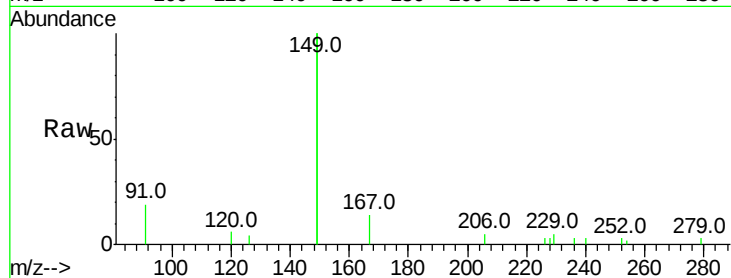
Tot Ion:149 Resp: 15950

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

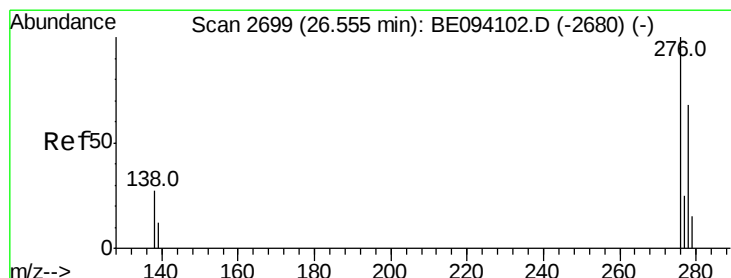
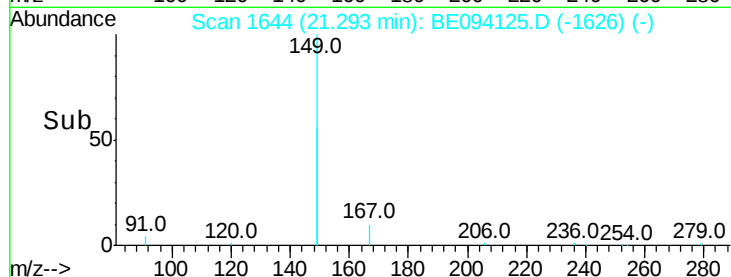
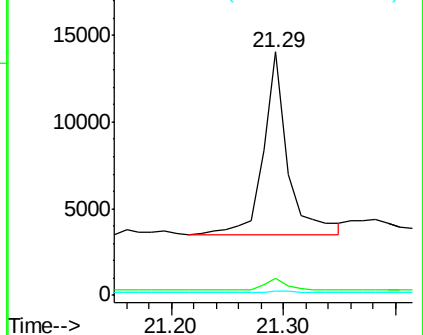
279 1.5 0.7 1.1#



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: 0.192 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.01 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

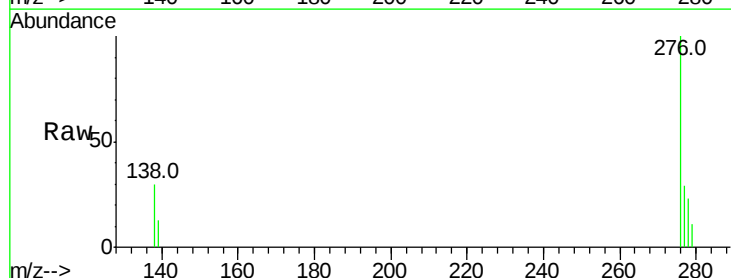
Tgt Ion:276 Resp: 9302

Ion Ratio Lower Upper

276 100

138 24.5 22.5 33.7

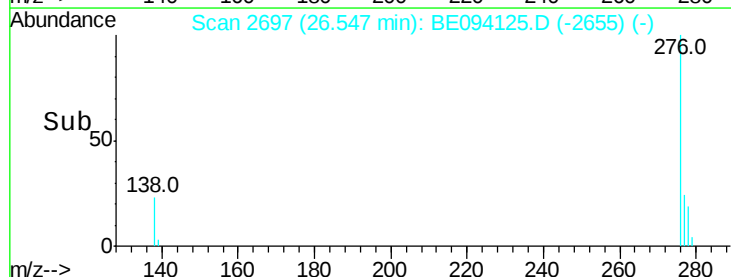
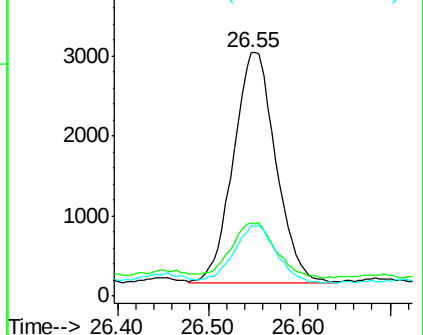
277 25.1 19.9 29.9

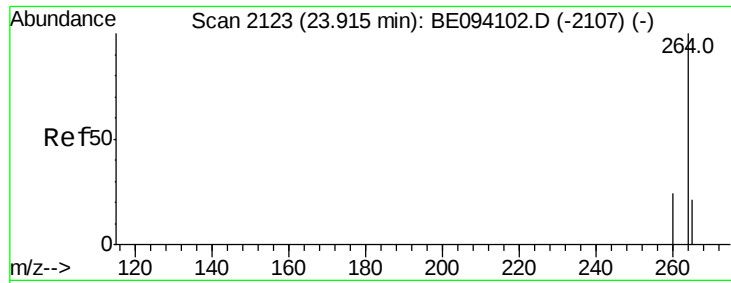


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

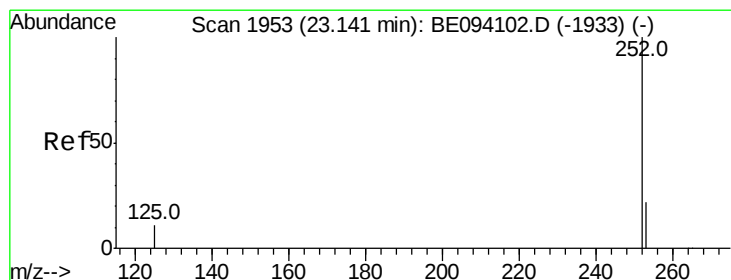
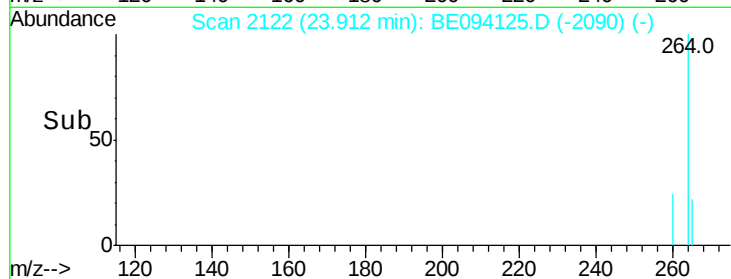
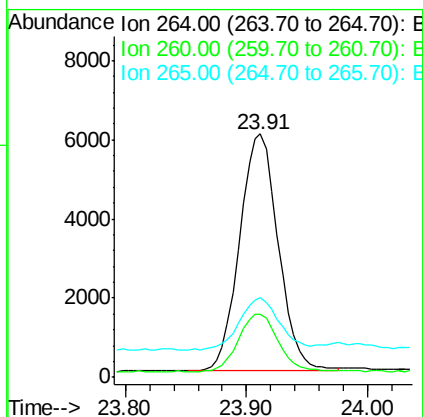
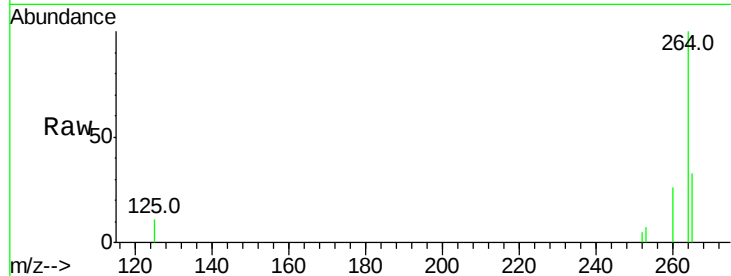




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

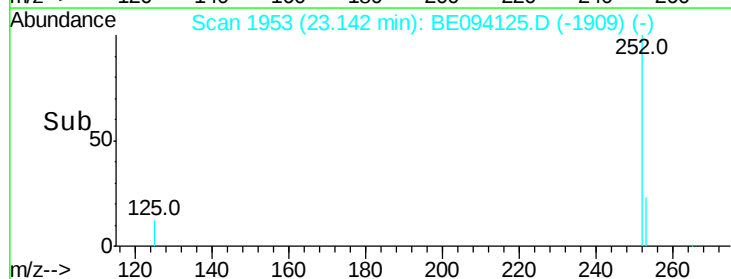
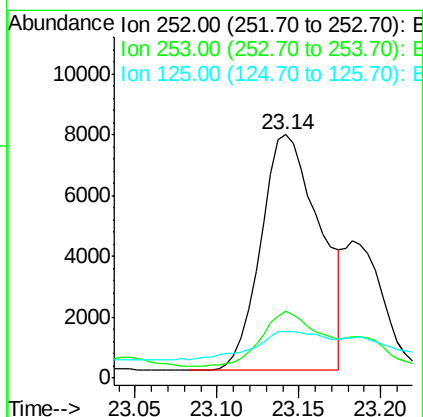
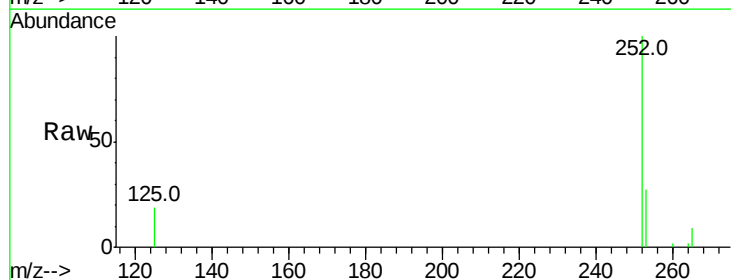
Instrument :
BNA_E
ClientSampleId :

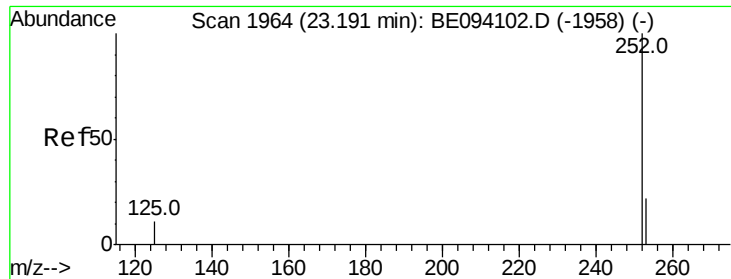
Tot Ion:264 Resp: 13222
Ion Ratio Lower Upper
264 100
260 25.8 20.5 30.7
265 32.5 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.408 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion:252 Resp: 19485
Ion Ratio Lower Upper
252 100
253 27.4 18.2 27.2#
125 19.2 10.1 15.1#





#36

Benzo(k)fluoranthene

Concen: 0.427 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

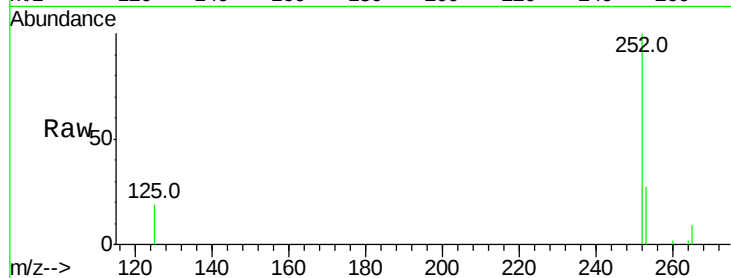
Tot Ion:252 Resp: 19485

Ion Ratio Lower Upper

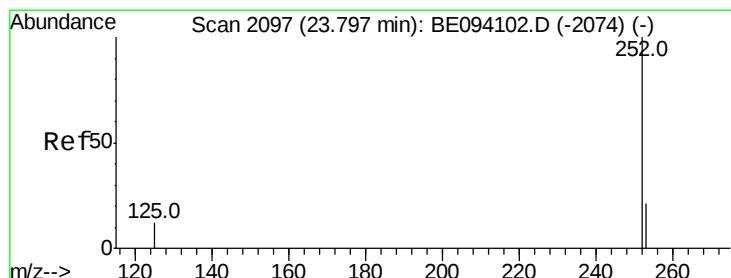
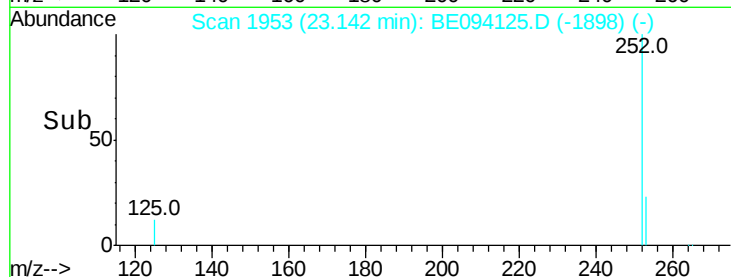
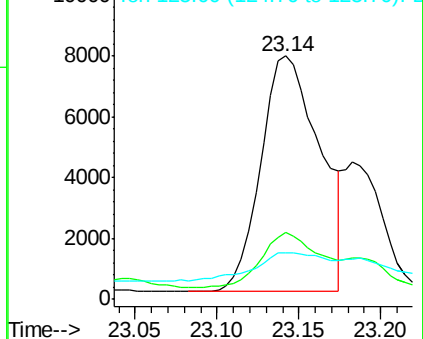
252 100

253 27.4 18.6 27.8

125 19.2 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: 0.325 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

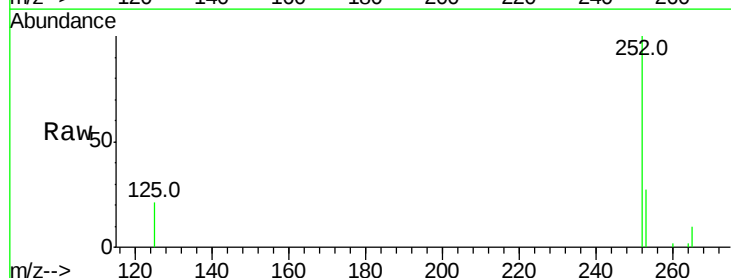
Tgt Ion:252 Resp: 13990

Ion Ratio Lower Upper

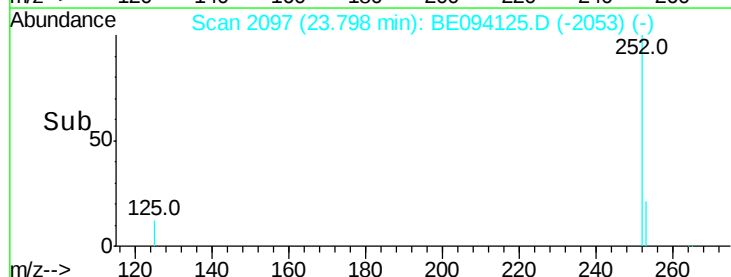
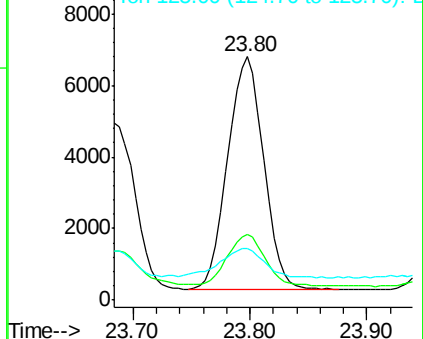
252 100

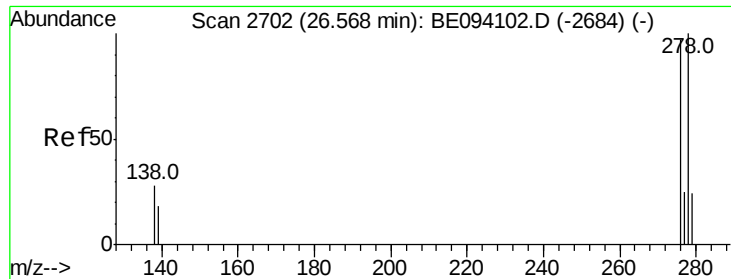
253 27.0 19.0 28.6

125 21.0 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: 0.054 ng

RT: 26.56 min Scan# 2699

Delta R.T. -0.01 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

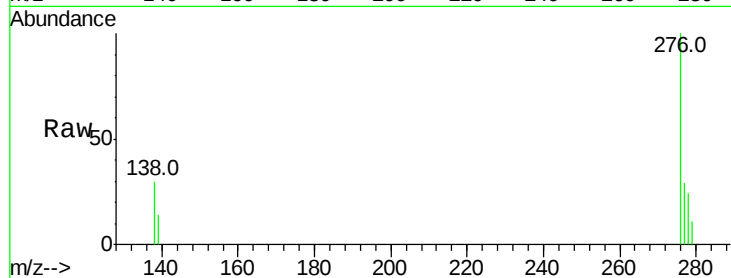
Tot Ion:278 Resp: 2189

Ion Ratio Lower Upper

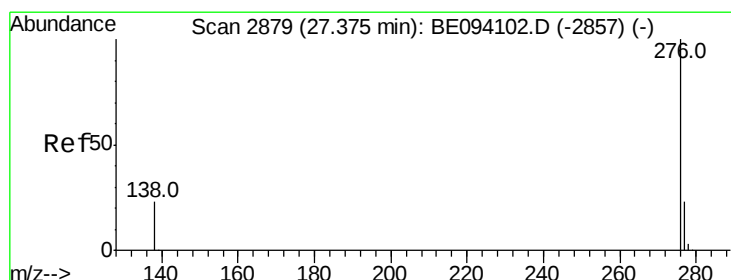
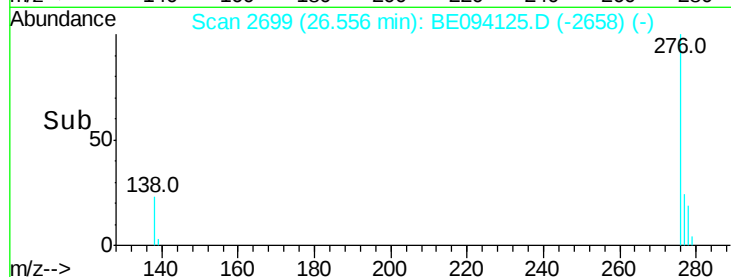
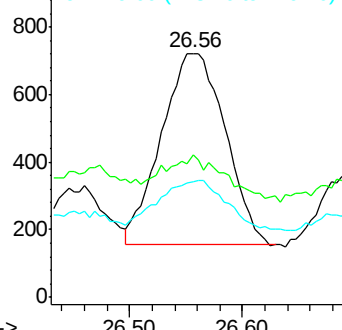
278 100

139 58.5 16.3 24.5#

279 47.6 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(g,h,i)perylene

Concen: 0.232 ng

RT: 27.38 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

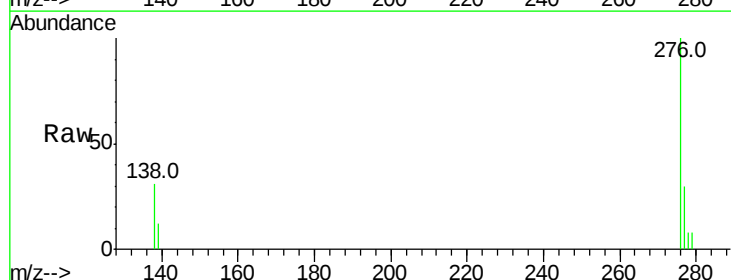
Tgt Ion:276 Resp: 9395

Ion Ratio Lower Upper

276 100

277 29.6 20.8 31.2

138 31.1 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

