

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094118.D
 Acq On : 26 Sep 2017 00:52
 Operator : SJ/JU
 Sample : I5340-05DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 01:40:37 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	1719	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8666	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5401	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	19070	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15489	0.40	ng	0.00
34) Perylene-d12	23.91	264	14559	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	1140	0.17	ng	0.00
5) Phenol-d6	7.09	99	1493	0.16	ng	0.00
8) Nitrobenzene-d5	9.06	82	1233	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	1677	0.13	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	334	0.08	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	2203	0.12	ng	0.01
25) Fluoranthene-d10	19.27	212	18872	0.10	ng	0.00
29) Terphenyl-d14	19.85	244	2750	0.10	ng	0.00

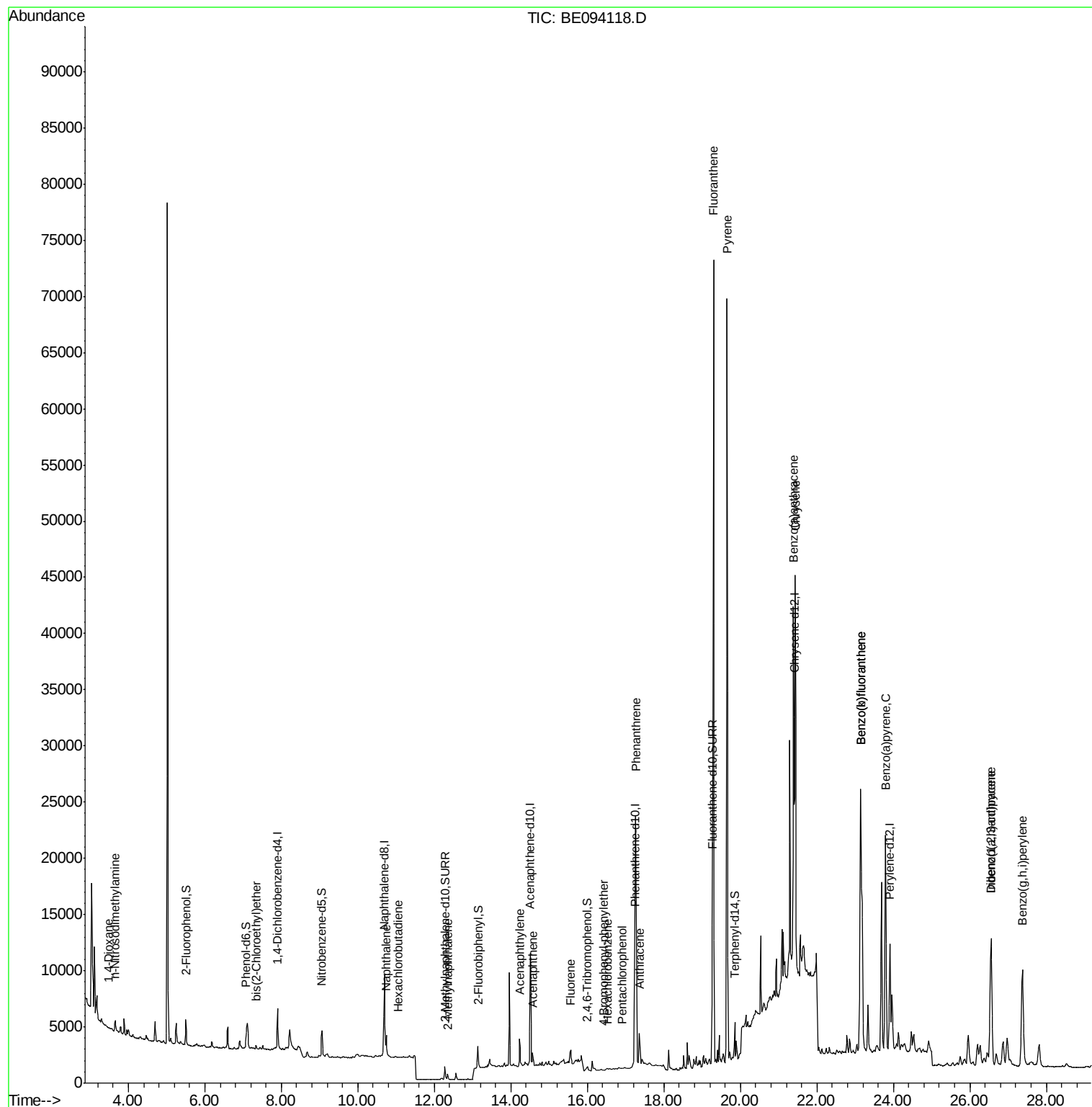
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	75	0.022	ng	# 16
3) n-Nitrosodimethylamine	3.65	42	234	0.055	ng	# 1
6) bis(2-Chloroethyl)ether	7.34	93	414	0.059	ng	# 1
9) Naphthalene	10.74	128	3030	0.031	ng	# 92
10) Hexachlorobutadiene	11.04	225	8	0.002	ng	# 17
12) 2-Methylnaphthalene	12.35	142	342	0.022	ng	# 83
16) Acenaphthylene	14.23	152	3433	0.127	ng	# 98
17) Acenaphthene	14.57	154	599	0.035	ng	# 90
18) Fluorene	15.56	166	1203	0.052	ng	# 90
20) 4-Bromophenyl-phenylether	16.42	248	35	0.004	ng	# 6
21) Hexachlorobenzene	16.52	284	23	0.005	ng	# 5
22) Pentachlorophenol	16.91	266	18	0.004	ng	# 91
23) Phenanthrene	17.27	178	33413	0.685	ng	# 98
24) Anthracene	17.37	178	5111	0.100	ng	# 95
26) Fluoranthene	19.30	202	66004	1.207	ng	# 99
28) Pyrene	19.66	202	65998	1.345	ng	# 96
30) Benzo(a)anthracene	21.38	228	31080	0.596	ng	# 96
31) Chrysene	21.44	228	36900	0.733	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.29	149	27649	Below Cal		97
33) Indeno(1,2,3-cd)pyrene	26.55	276	20730	0.385	ng	# 96
35) Benzo(b)fluoranthene	23.14	252	45114	0.859	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	45114	0.897	ng	# 96
37) Benzo(a)pyrene	23.79	252	30761	0.648	ng	# 96
38) Dibenzo(a,h)anthracene	26.56	278	5322	0.118	ng	# 64
39) Benzo(g,h,i)perylene	27.38	276	20860	0.469	ng	# 99

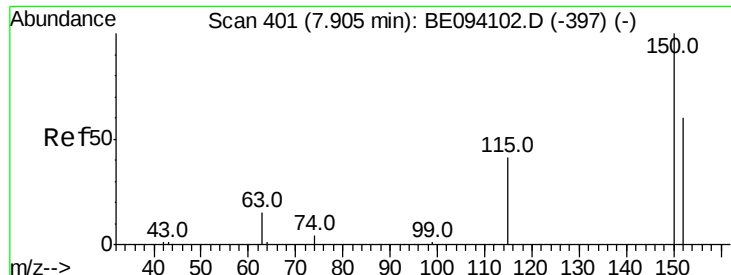
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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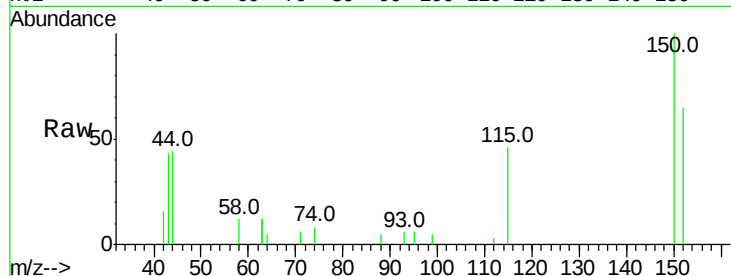


#1

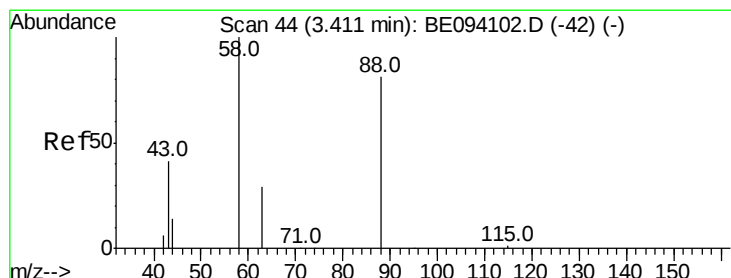
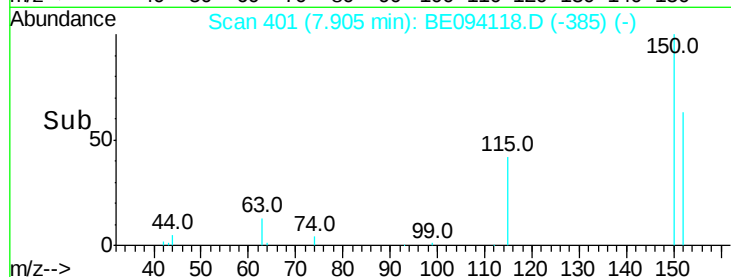
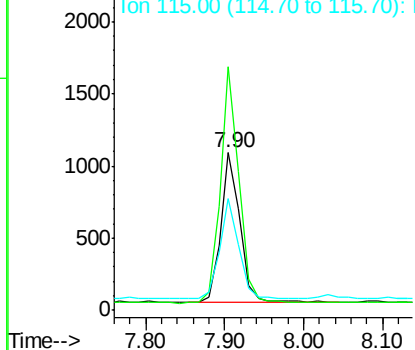
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1719
Ion Ratio Lower Upper
152 100
150 154.9 117.2 175.8
115 71.3 57.0 85.6



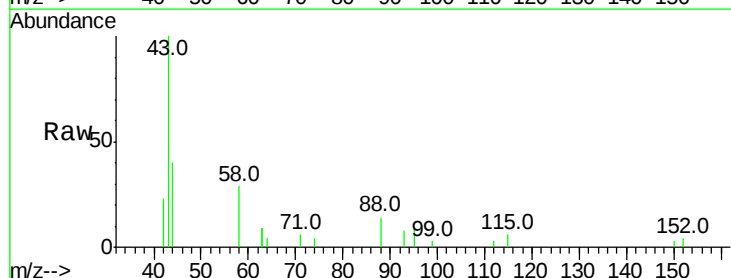
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



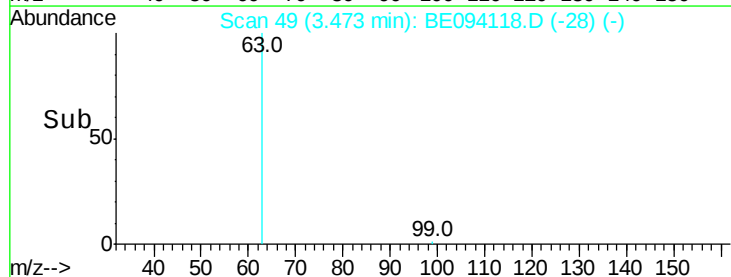
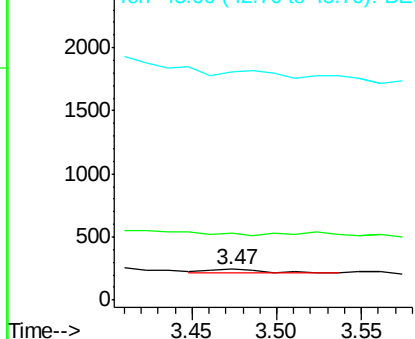
#2

1,4-Dioxane
Concen: 0.022 ng
RT: 3.47 min Scan# 49
Delta R.T. 0.06 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
58 0.0 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: 0.055 ng

RT: 3.65 min Scan# 63

Delta R.T. -0.08 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

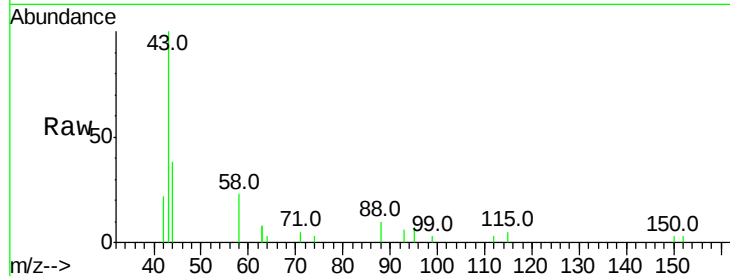
Tot Ion: 42 Resp: 234

Ion Ratio Lower Upper

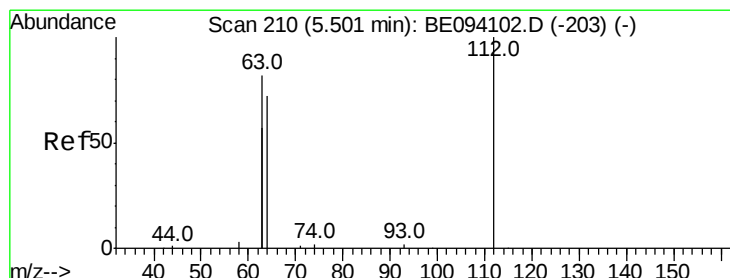
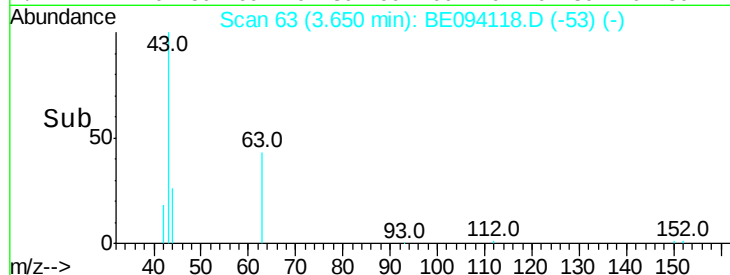
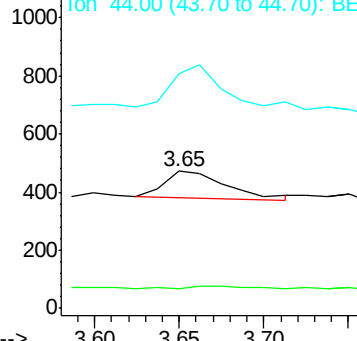
42 100

74 0.0 100.3 150.5#

44 202.1 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: 0.175 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

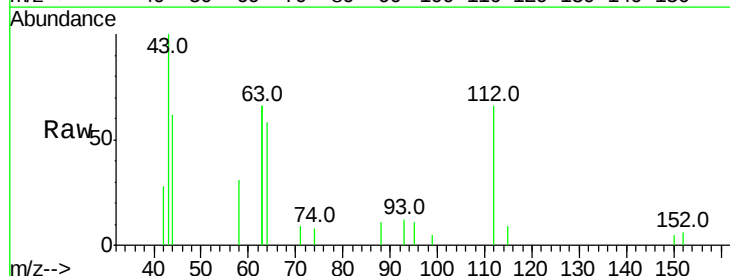
Tgt Ion: 112 Resp: 1140

Ion Ratio Lower Upper

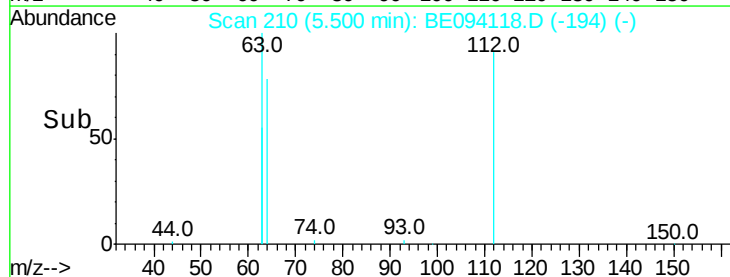
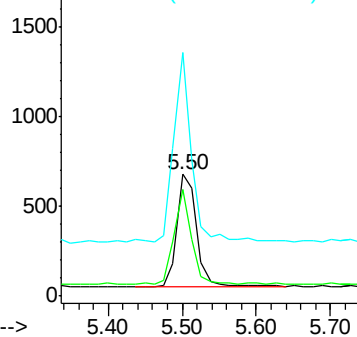
112 100

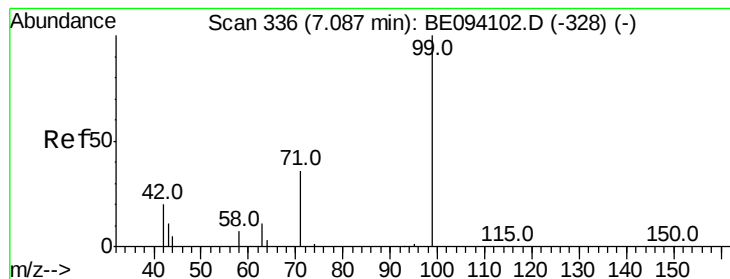
64 75.1 60.1 90.1

63 150.3 116.8 175.2



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: 0.165 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

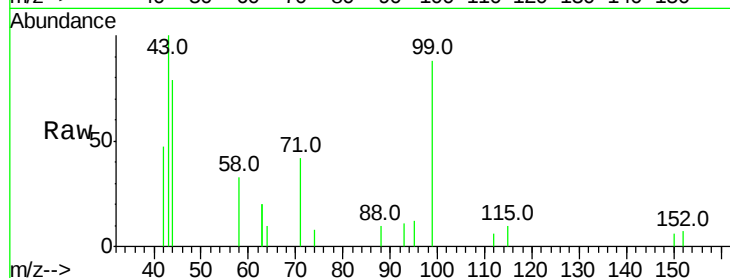
Tot Ion: 99 Resp: 1493

Ion Ratio Lower Upper

99 100

42 31.9 20.2 30.2#

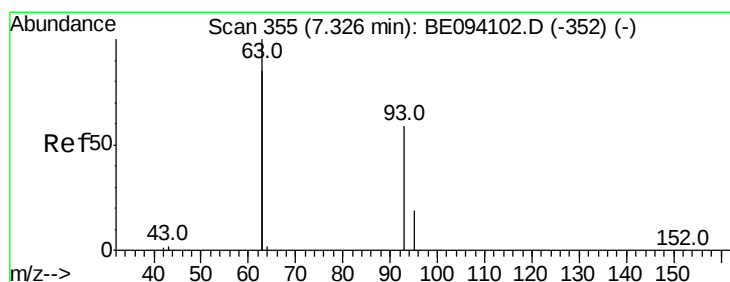
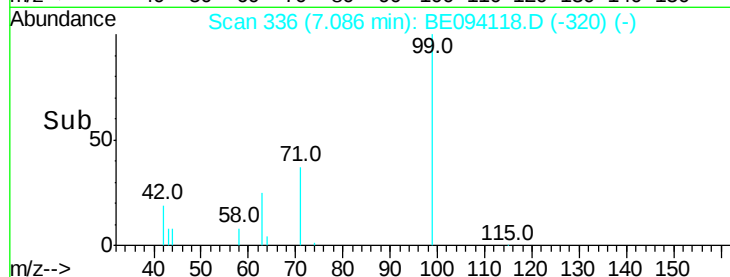
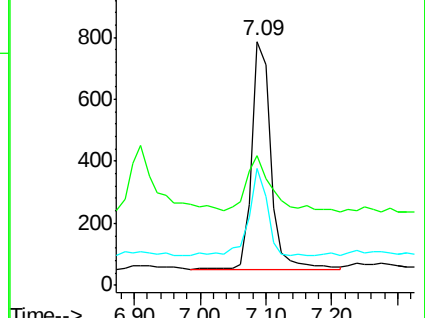
71 36.8 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.059 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

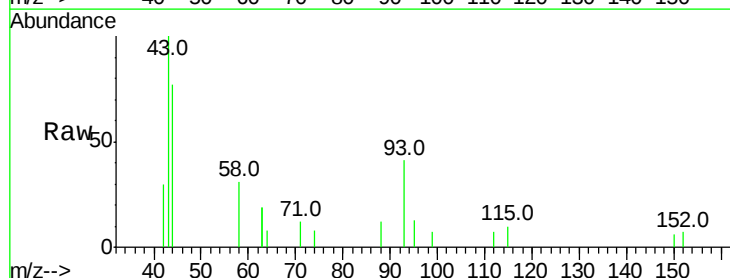
Tgt Ion: 93 Resp: 414

Ion Ratio Lower Upper

93 100

63 9.2 275.3 412.9#

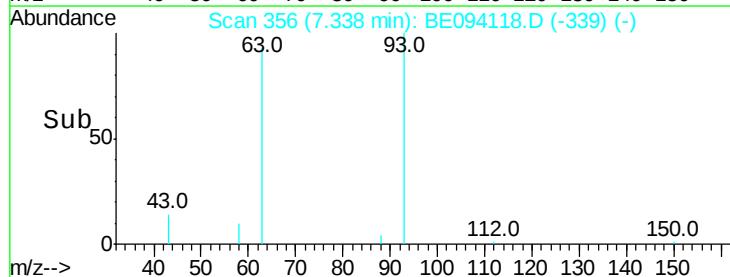
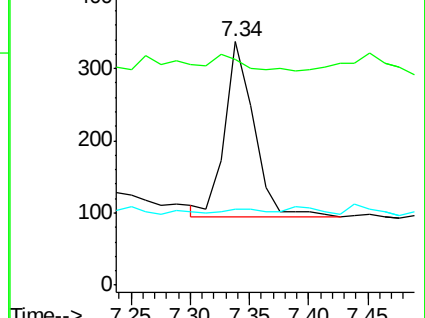
95 0.0 25.2 37.8#

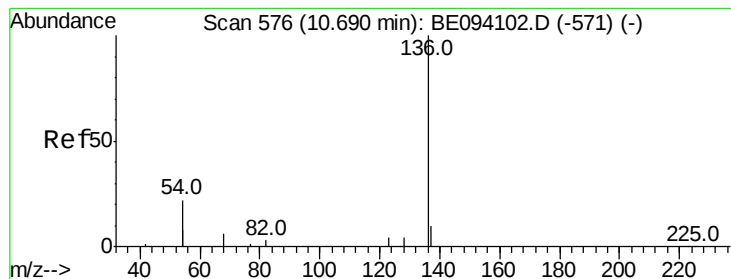


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 8666

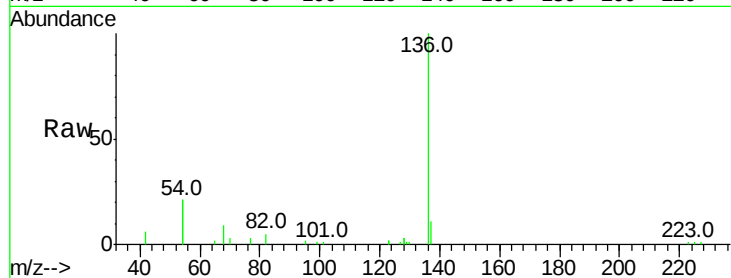
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 41.1 29.1 43.7

68 8.7 6.2 9.2

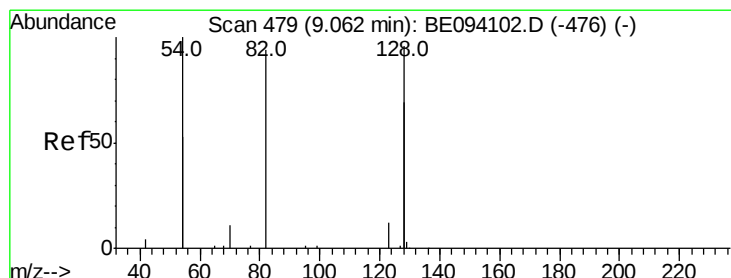
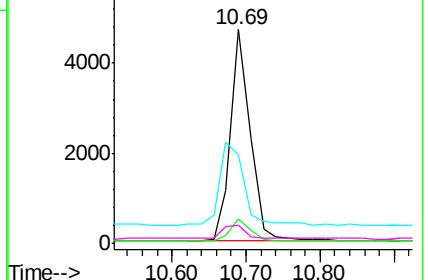
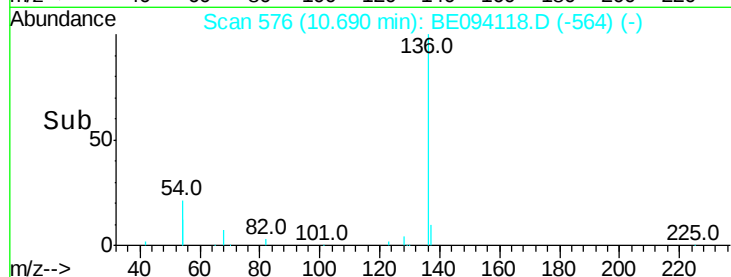


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.147 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

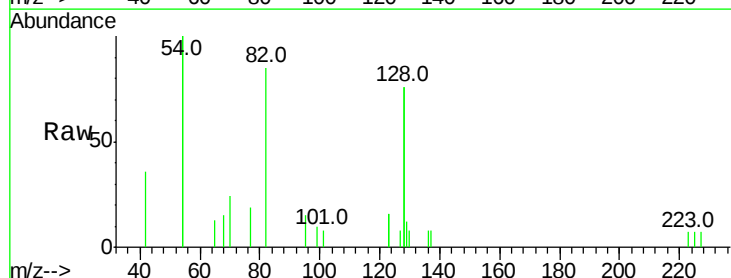
Tgt Ion: 82 Resp: 1233

Ion Ratio Lower Upper

82 100

128 177.6 150.0 225.0

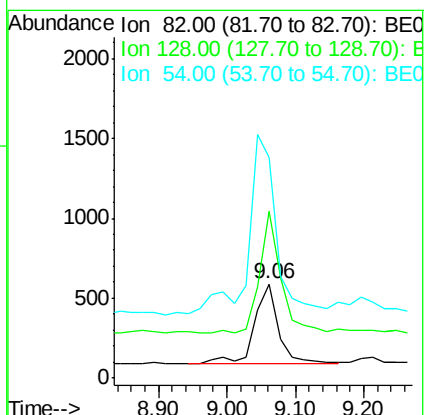
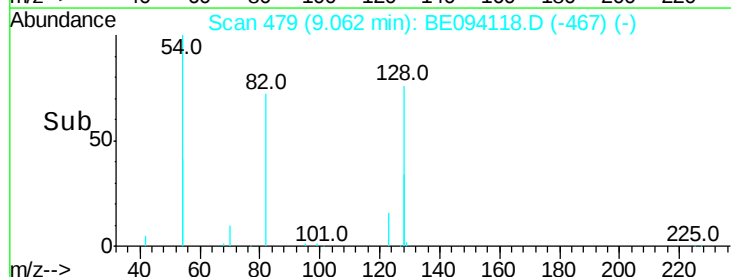
54 234.6 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.031 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampled :

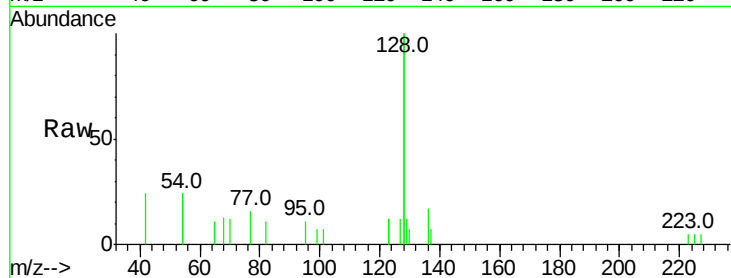
Tot Ion:128 Resp: 3030

Ion Ratio Lower Upper

128 100

129 6.2 2.6 3.8#

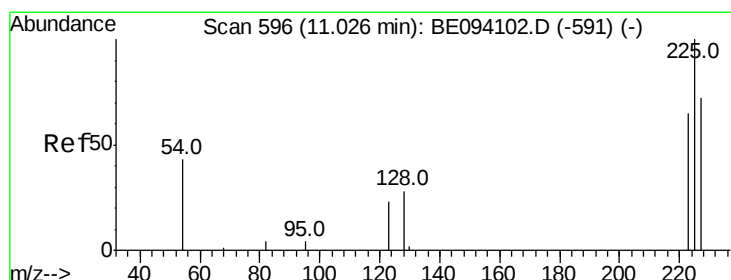
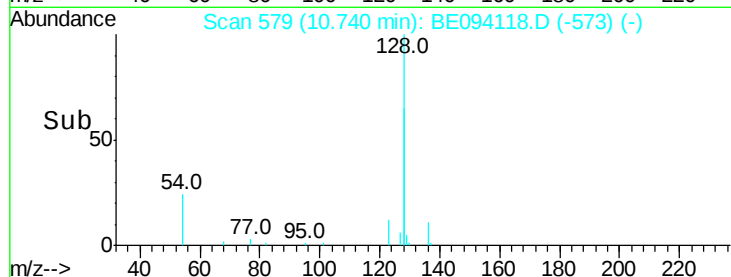
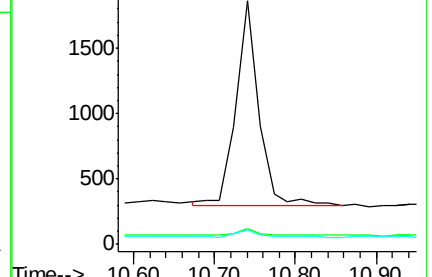
127 5.9 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.002 ng

RT: 11.04 min Scan# 597

Delta R.T. 0.02 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

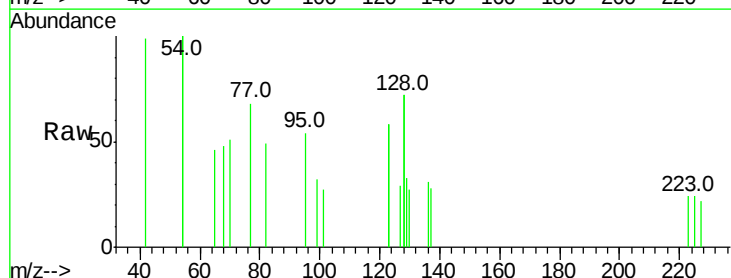
Tgt Ion:225 Resp: 8

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

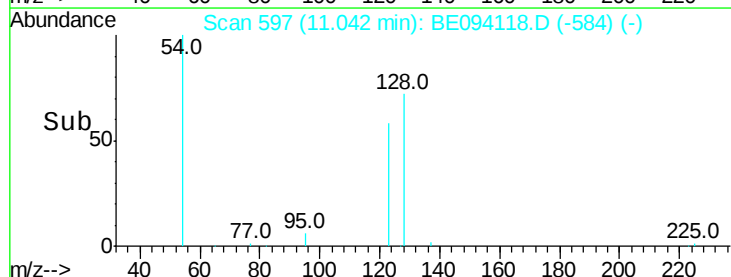
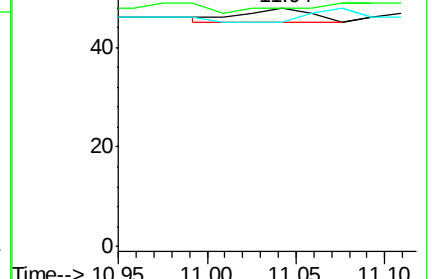
227 0.0 51.4 77.2#

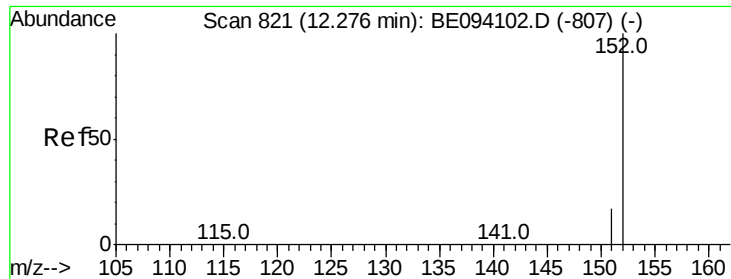


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

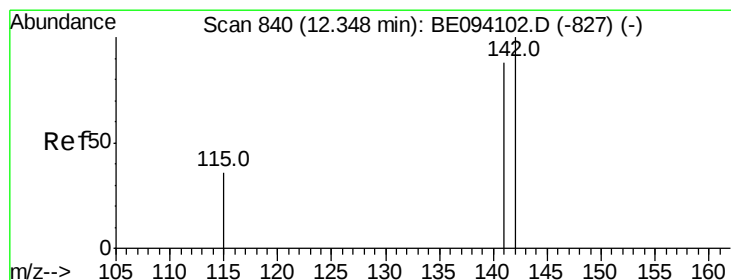
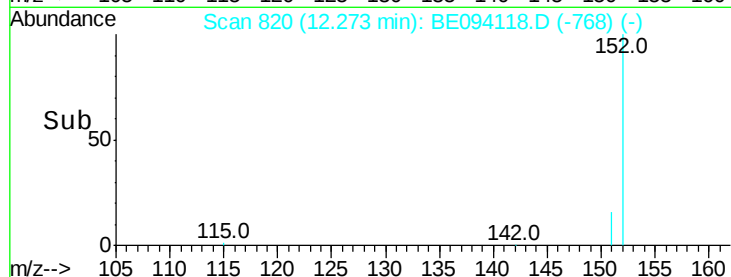
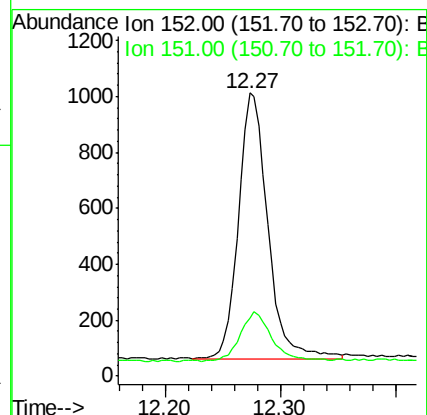
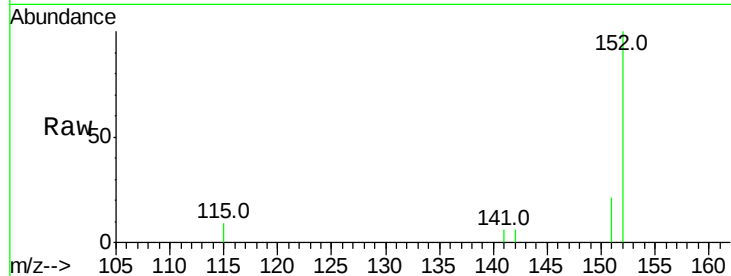




#11
2-Methylnaphthalene-d10
Concen: 0.126 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

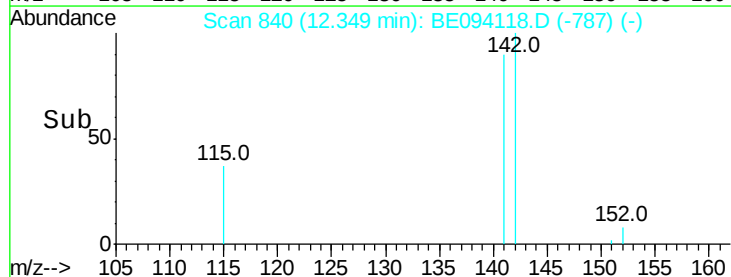
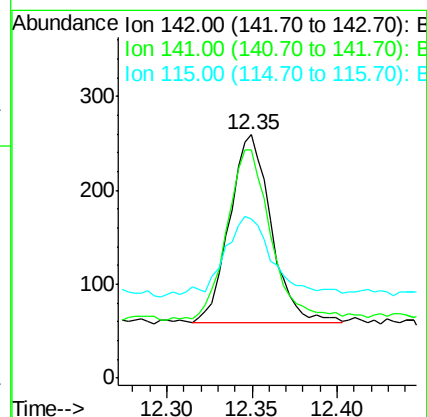
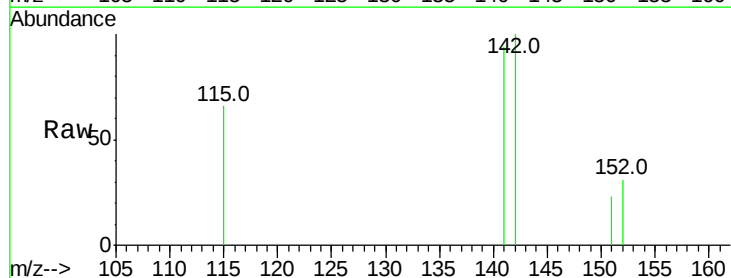
Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1677
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:142 Resp: 342
Ion Ratio Lower Upper
142 100
141 93.8 70.4 105.6
115 65.6 31.7 47.5#

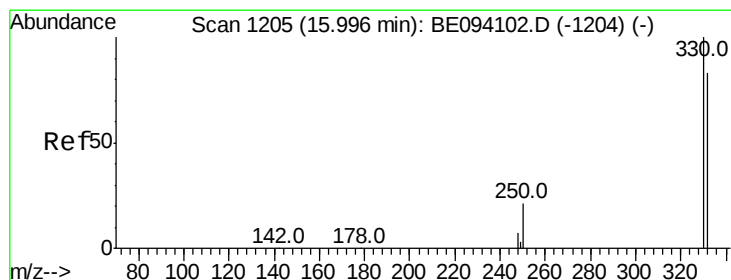
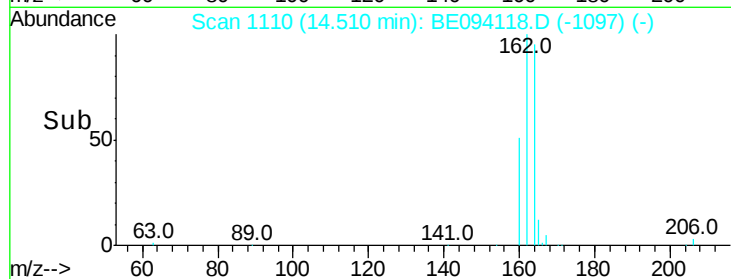
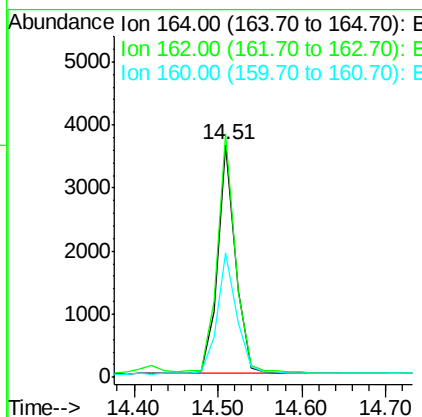
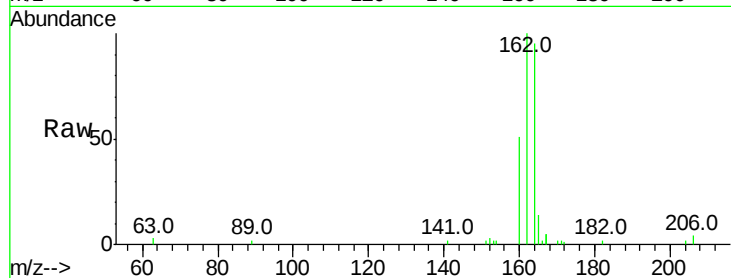




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BE094118.D
 Acq: 26 Sep 2017 00:52

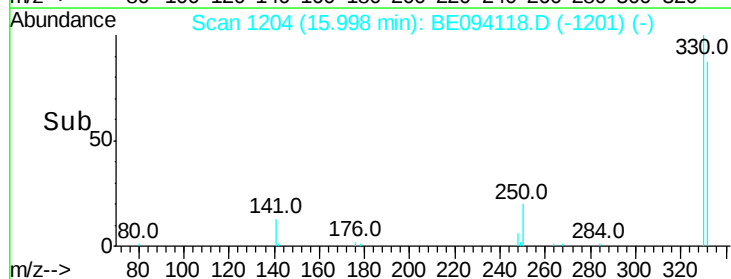
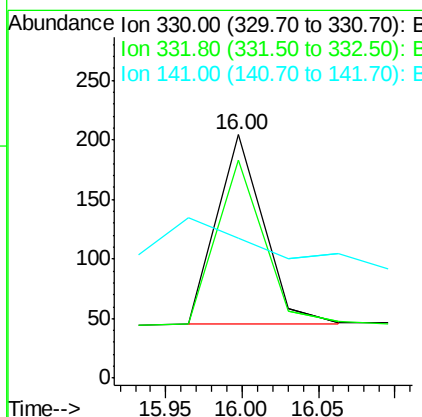
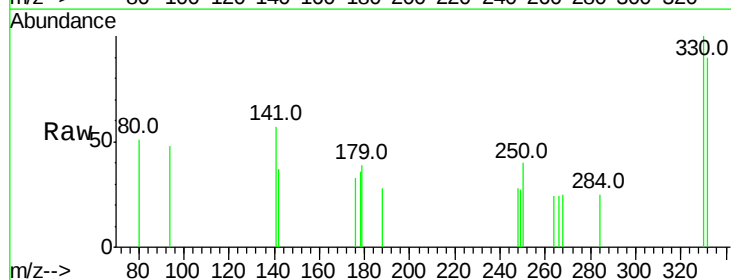
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 5401
 Ion Ratio Lower Upper
 164 100
 162 104.8 83.1 124.7
 160 53.7 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.077 ng
 RT: 16.00 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BE094118.D
 Acq: 26 Sep 2017 00:52

Tgt Ion:330 Resp: 334
 Ion Ratio Lower Upper
 330 100
 332 87.1 152.7 229.1#
 141 0.0 33.7 50.5#

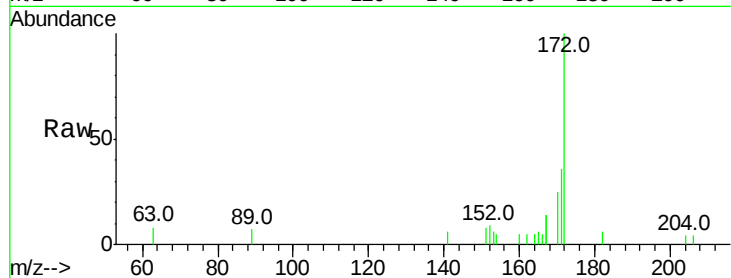




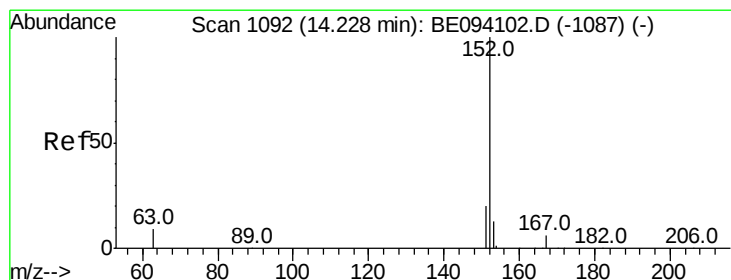
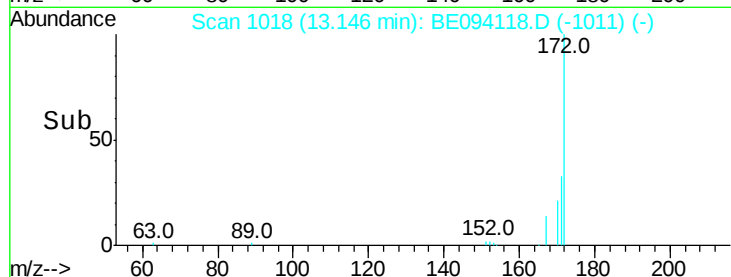
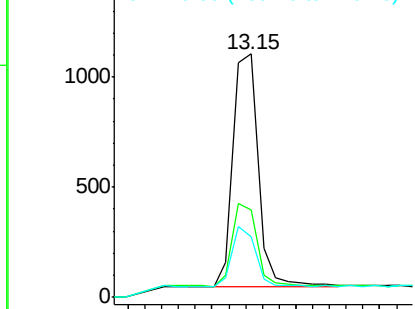
#15
2-Fluorobiphenyl
Concen: 0.123 ng
RT: 13.15 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 2203
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 24.7 21.8 32.8

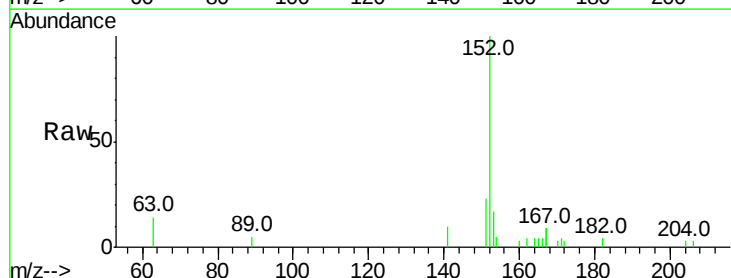


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

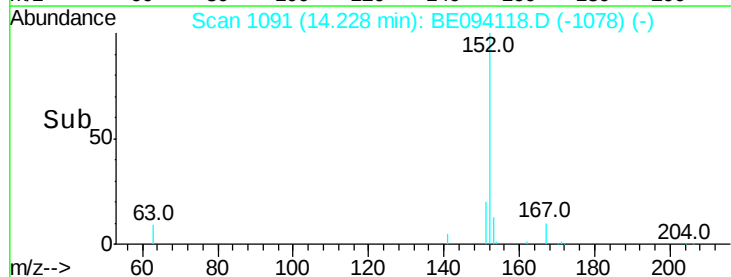
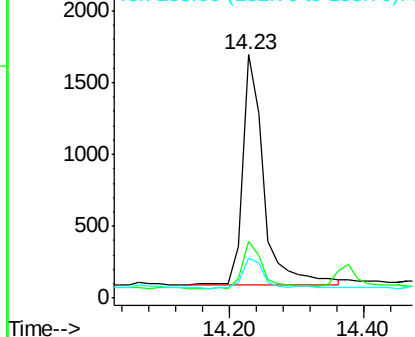


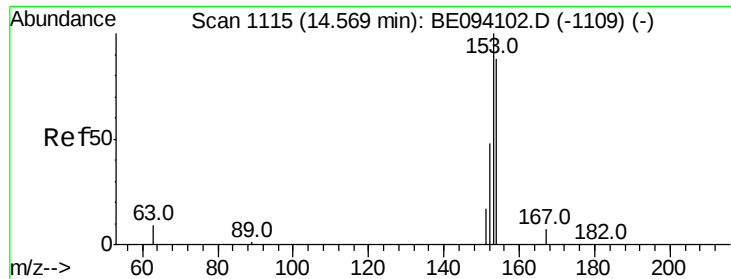
#16
Acenaphthylene
Concen: 0.127 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE094118.D
Acq: 26 Sep 2017 00:52

Tgt Ion:152 Resp: 3433
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 14.4 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: 0.035 ng

RT: 14.57 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

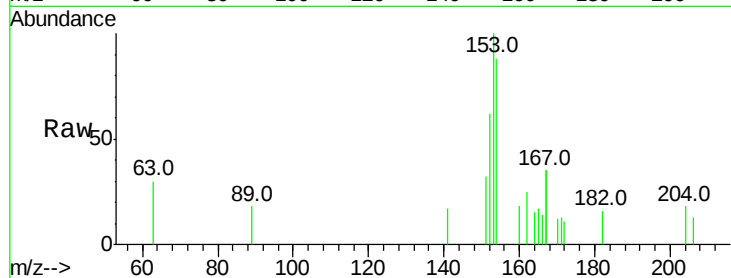
Tot Ion:154 Resp: 599

Ion Ratio Lower Upper

154 100

153 103.8 89.2 133.8

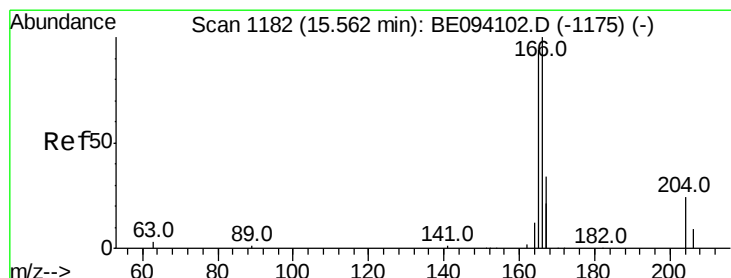
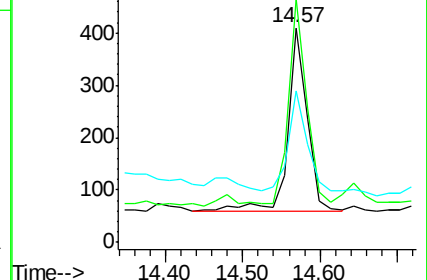
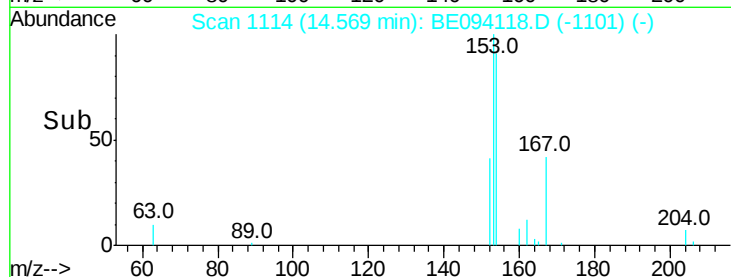
152 64.1 42.0 63.0#



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: 0.052 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

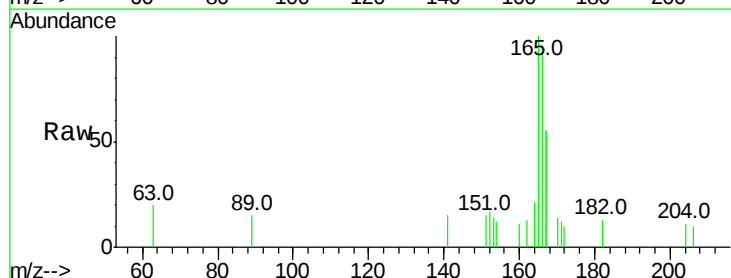
Tgt Ion:166 Resp: 1203

Ion Ratio Lower Upper

166 100

165 109.5 77.8 116.6

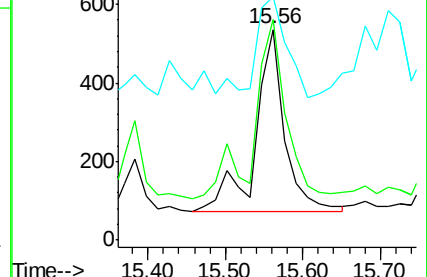
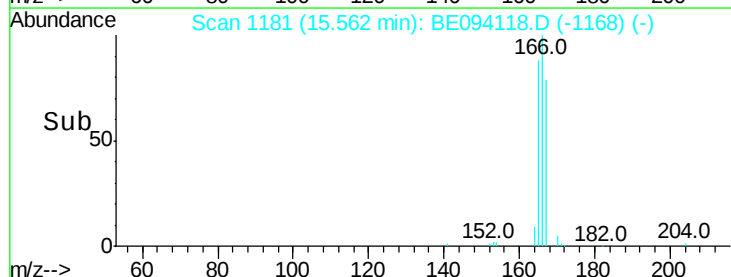
167 49.6 42.4 63.6

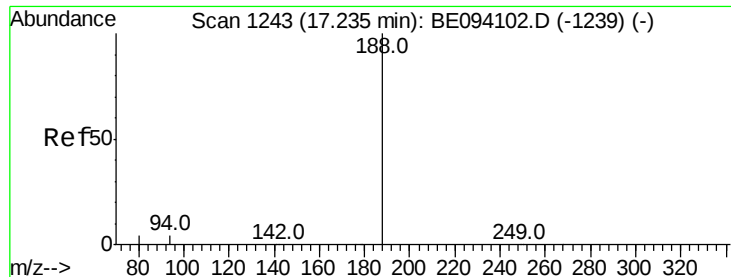


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

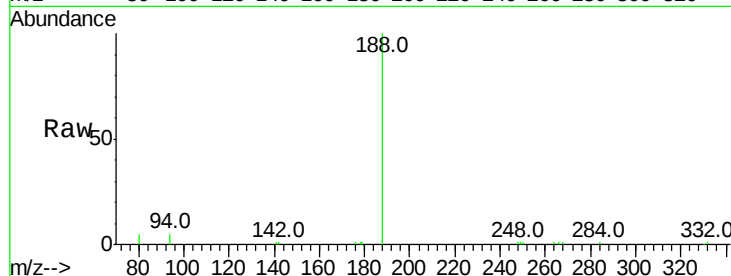
Tot Ion:188 Resp: 19070

Ion Ratio Lower Upper

188 100

94 5.4 3.9 5.9

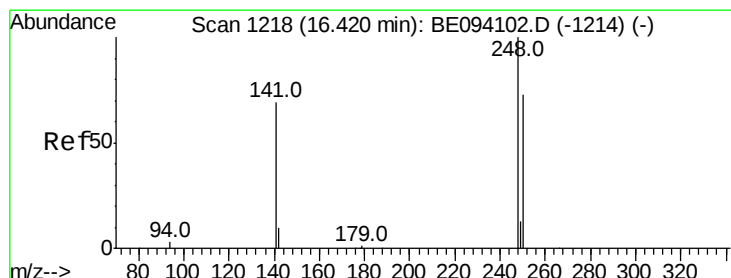
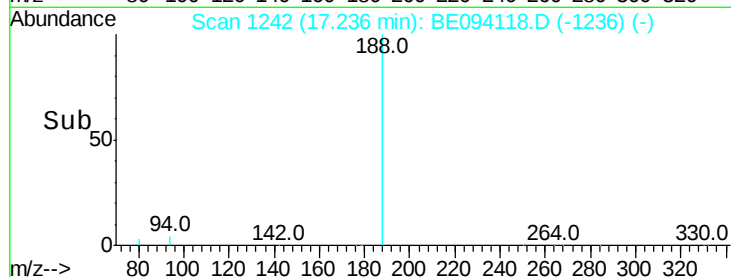
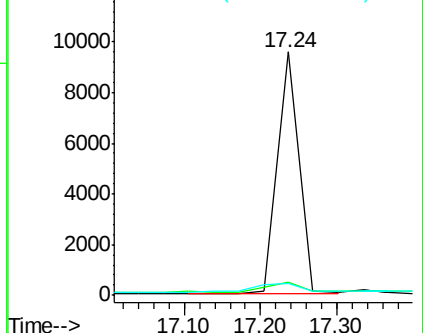
80 4.8 3.6 5.4



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: 0.004 ng

RT: 16.42 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

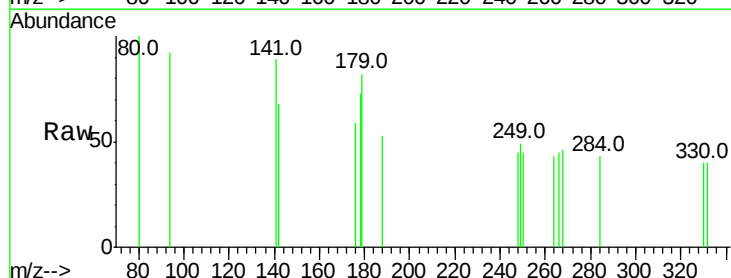
Tgt Ion:248 Resp: 35

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

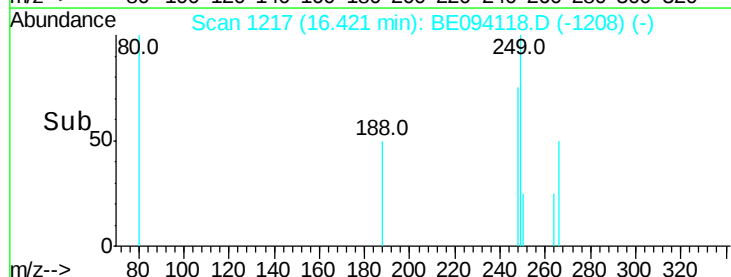
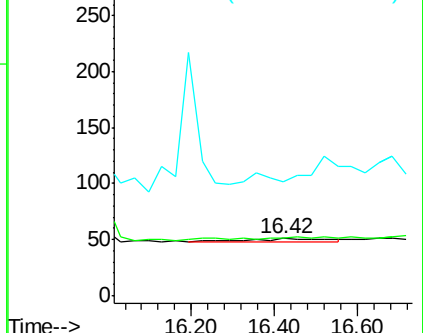
141 200.0 48.2 72.2#

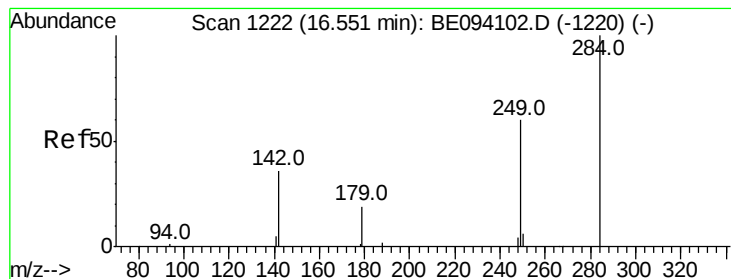


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.005 ng

RT: 16.52 min Scan# 1220

Delta R.T. -0.03 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampled :

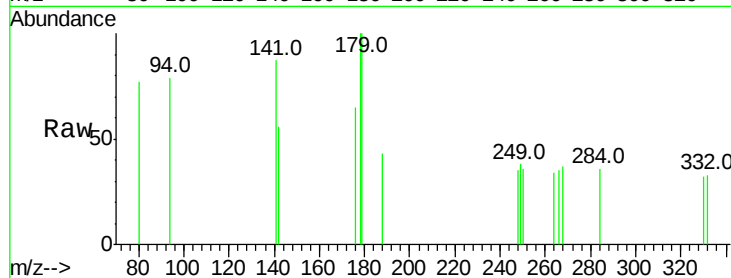
Tot Ion:284 Resp: 23

Ion Ratio Lower Upper

284 100

142 100.0 22.1 33.1#

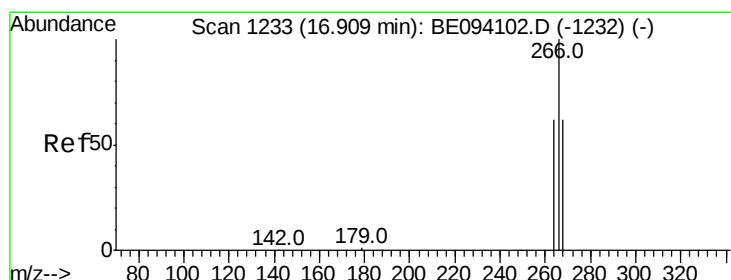
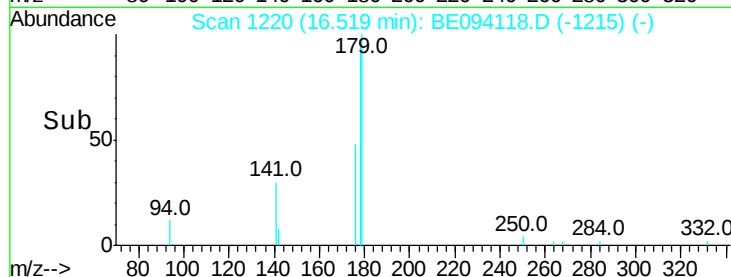
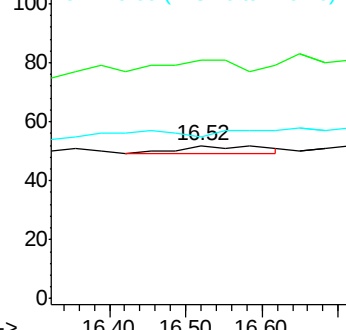
249 0.0 34.8 52.2#



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: 0.004 ng

RT: 16.91 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

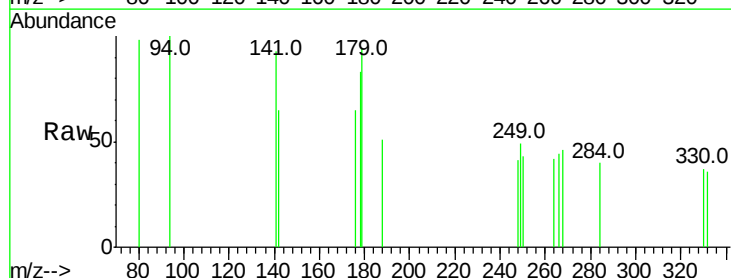
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

264 94.6 72.5 108.7

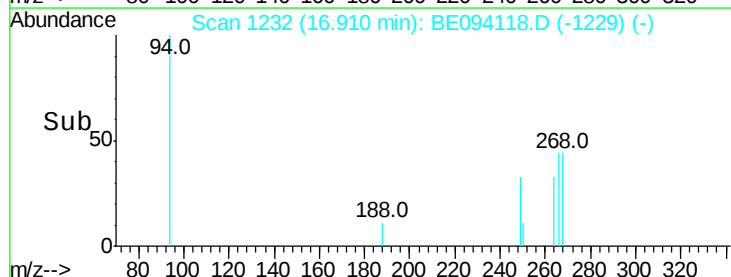
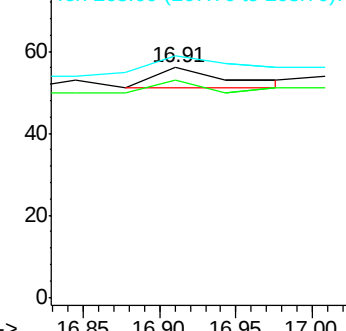
268 105.4 73.8 110.6



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: 0.685 ng

RT: 17.27 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

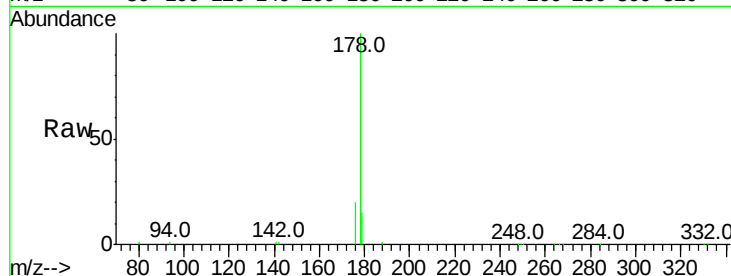
Tot Ion:178 Resp: 33413

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

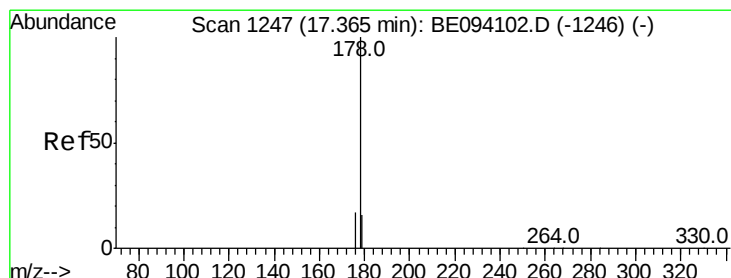
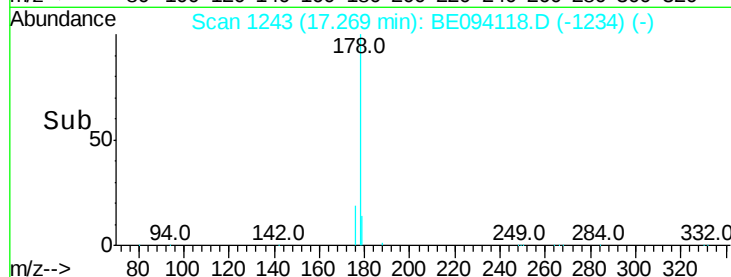
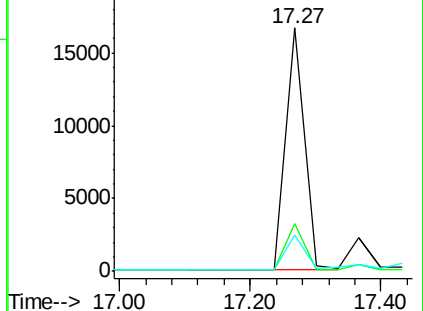
179 15.7 11.8 17.6



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: 0.100 ng

RT: 17.37 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

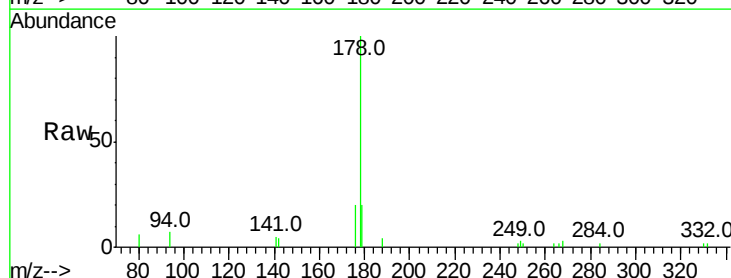
Tgt Ion:178 Resp: 5111

Ion Ratio Lower Upper

178 100

176 15.9 12.8 19.2

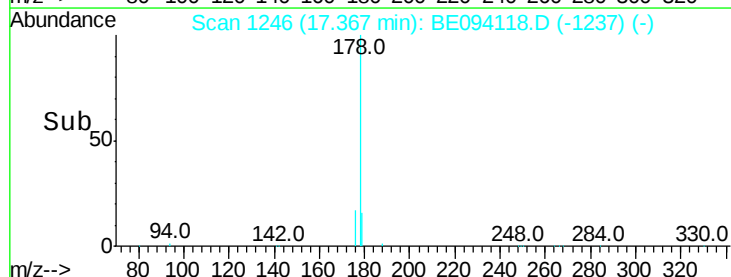
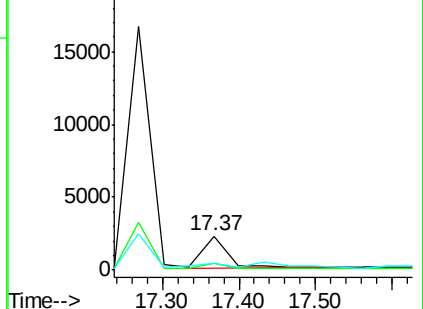
179 12.0 13.0 19.6#

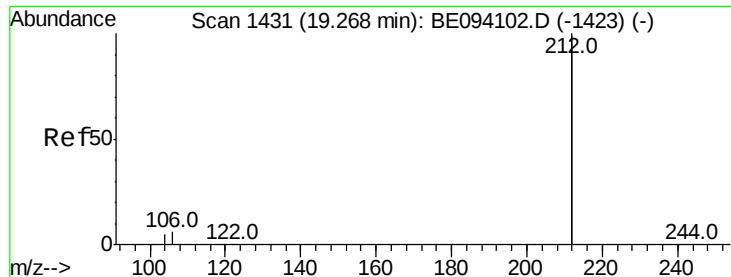


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.102 ng

RT: 19.27 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

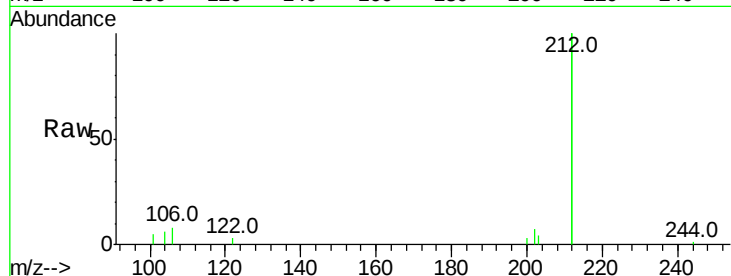
Tot Ion:212 Resp: 18872

Ion Ratio Lower Upper

212 100

106 4.2 2.8 4.2#

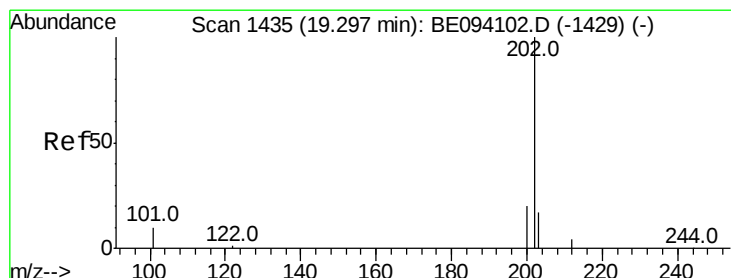
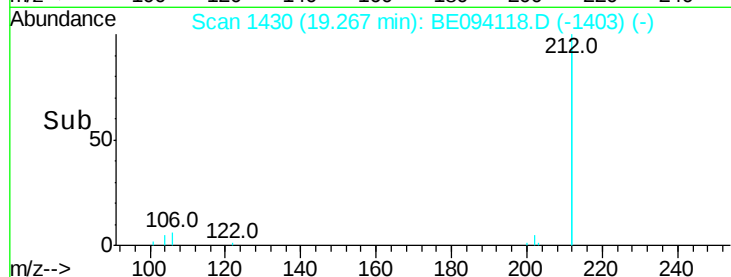
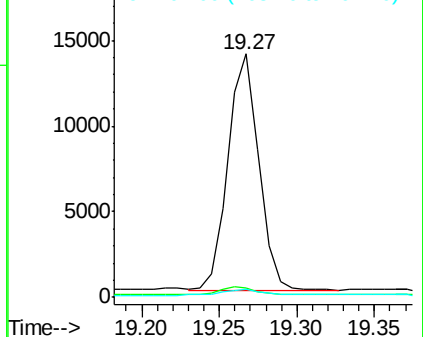
104 3.2 1.6 2.4#



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: 1.207 ng

RT: 19.30 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

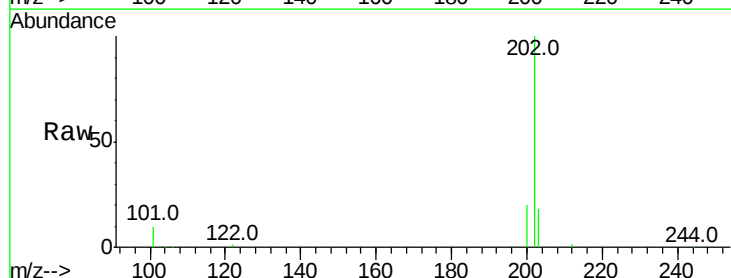
Tgt Ion:202 Resp: 66004

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.8

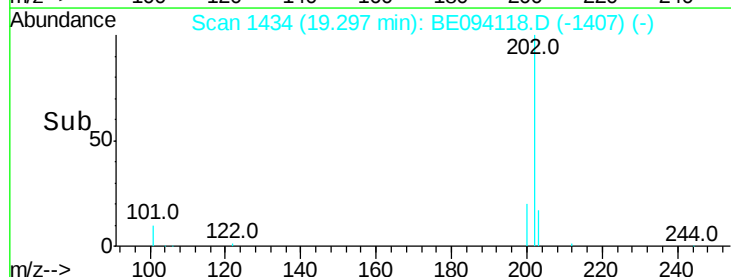
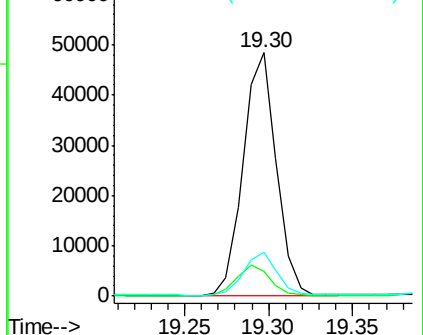
203 17.5 13.7 20.5

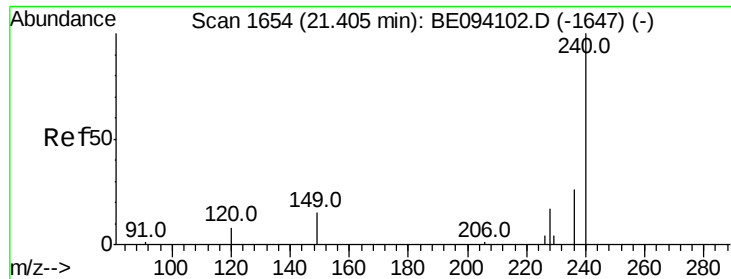


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1653

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

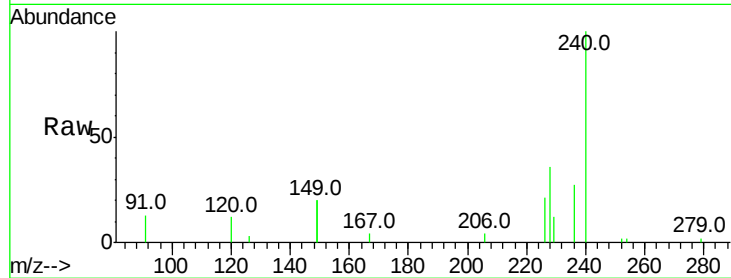
Tot Ion:240 Resp: 15489

Ion Ratio Lower Upper

240 100

120 11.6 5.5 8.3#

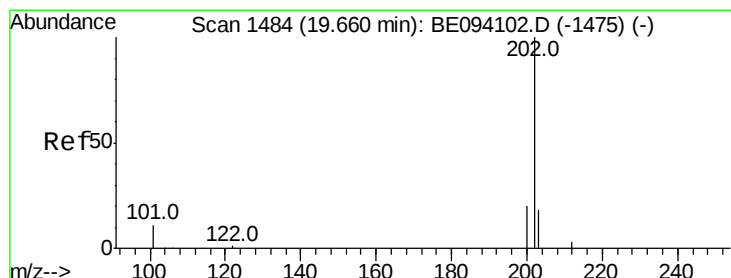
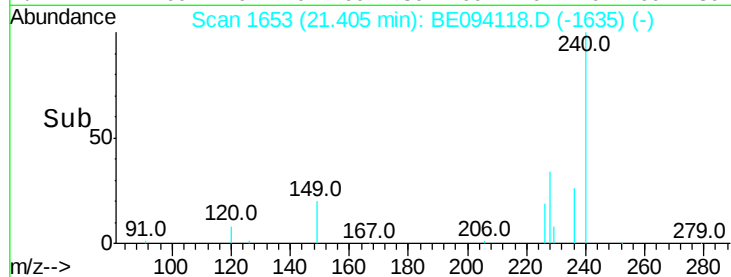
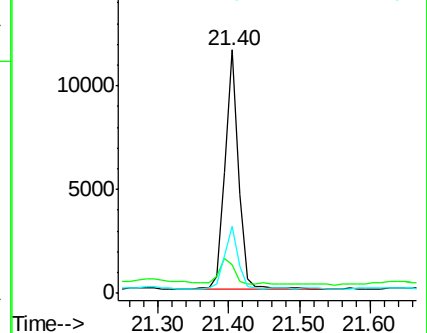
236 27.3 20.7 31.1



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: 1.345 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

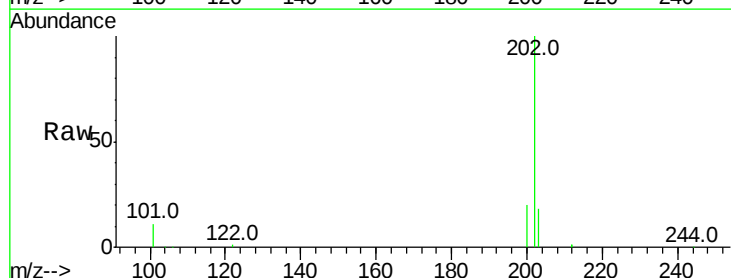
Tgt Ion:202 Resp: 65998

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

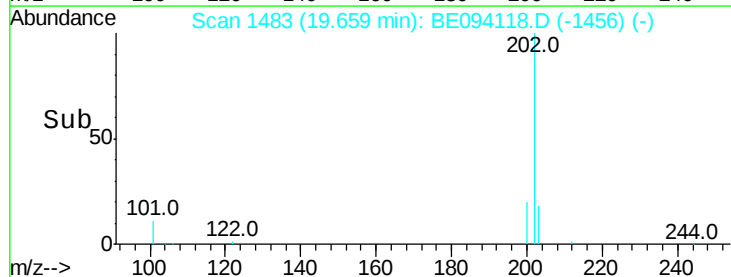
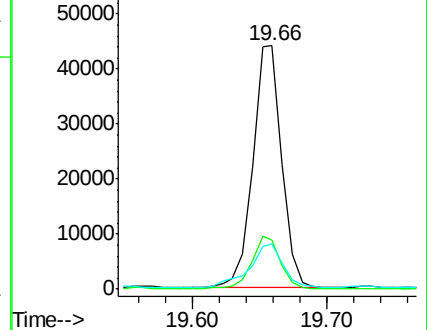
203 21.3 13.8 20.8#

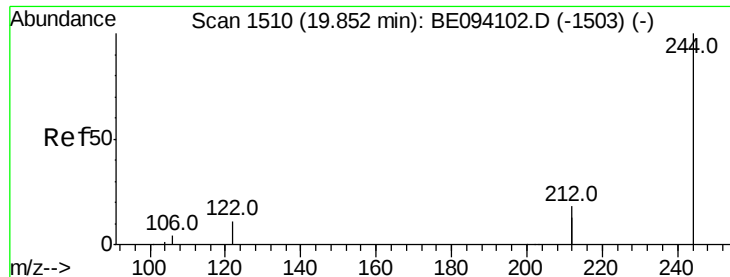


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.097 ng

RT: 19.85 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

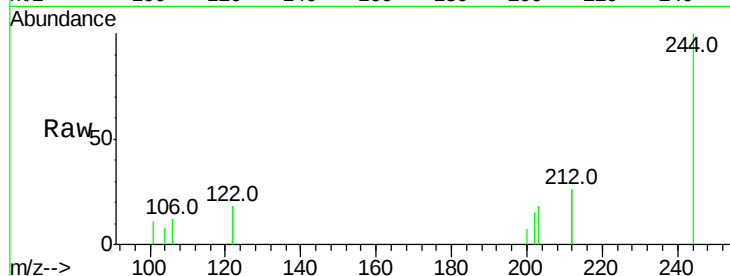
Tot Ion:244 Resp: 2750

Ion Ratio Lower Upper

244 100

212 51.8 25.4 38.0#

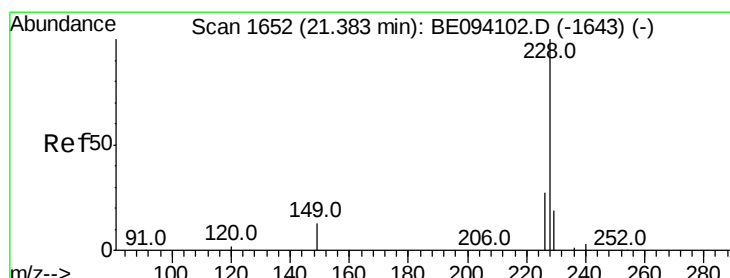
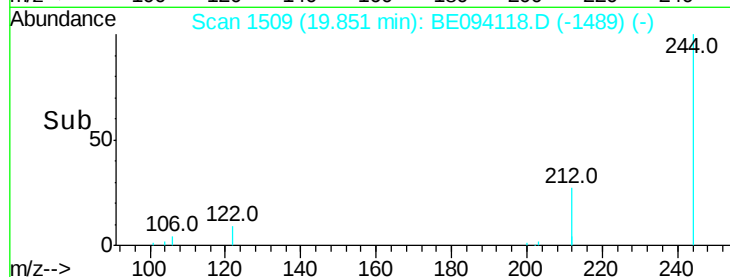
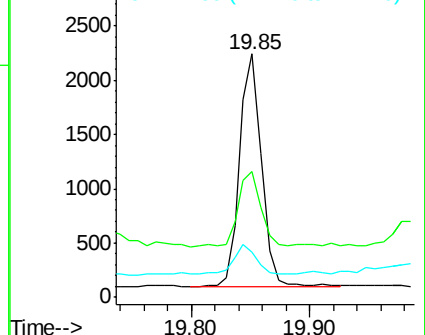
122 18.4 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.596 ng

RT: 21.38 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

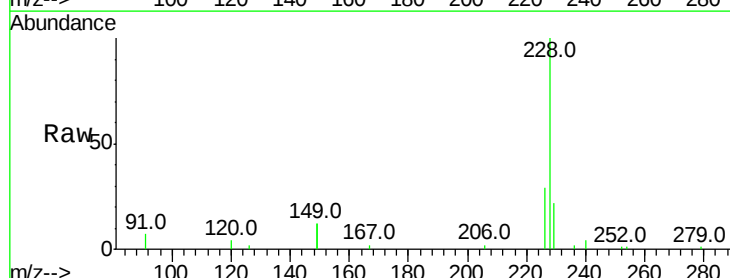
Tgt Ion:228 Resp: 31080

Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.0

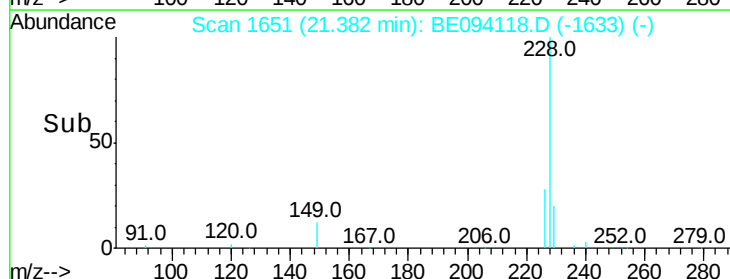
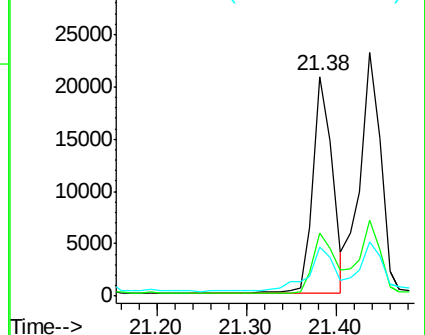
229 22.3 16.4 24.6

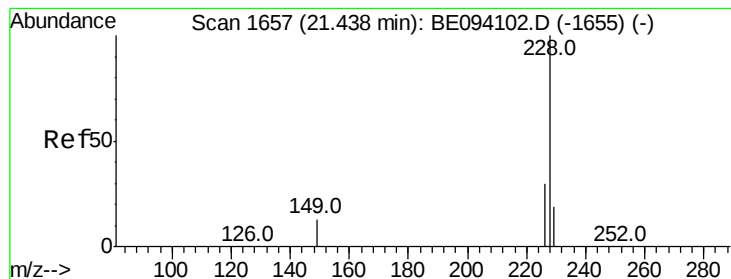


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.733 ng

RT: 21.44 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

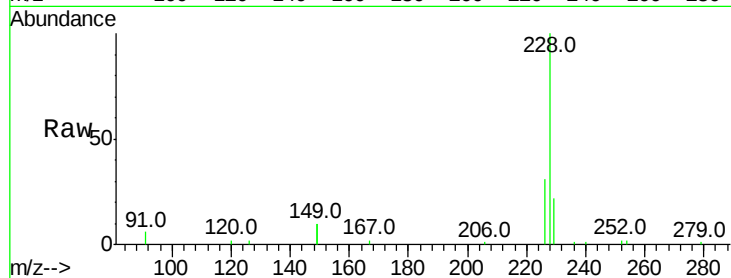
Tot Ion:228 Resp: 36900

Ion Ratio Lower Upper

228 100

226 31.2 23.6 35.4

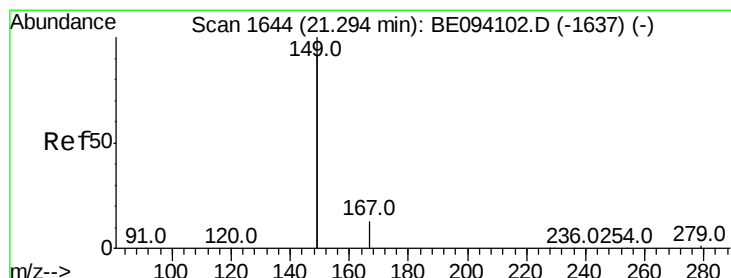
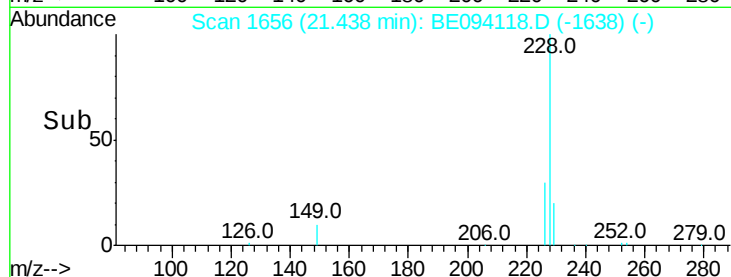
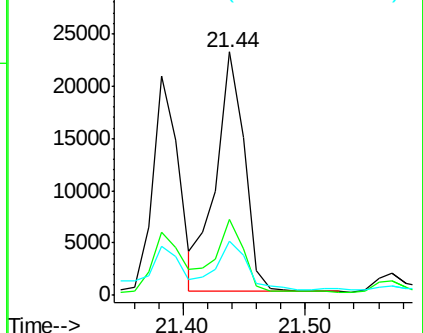
229 22.3 16.4 24.6



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: Below Cal

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

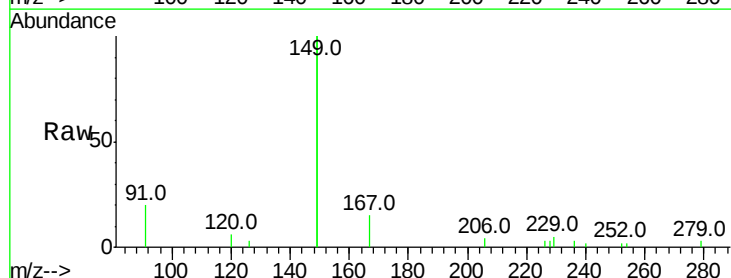
Tgt Ion:149 Resp: 27649

Ion Ratio Lower Upper

149 100

167 7.8 5.4 8.0

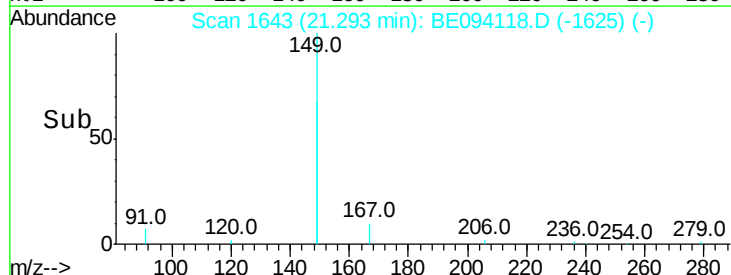
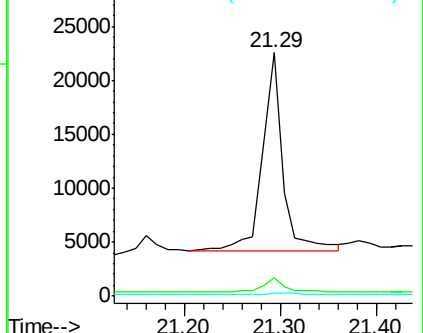
279 1.0 0.7 1.1



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: 0.385 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

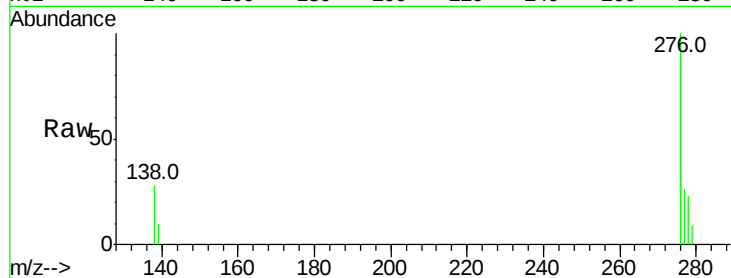
Tot Ion:276 Resp: 20730

Ion Ratio Lower Upper

276 100

138 24.2 22.5 33.7

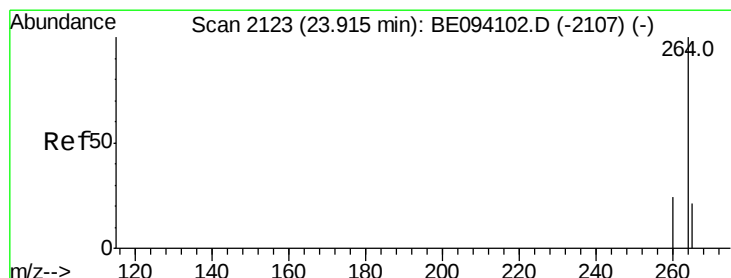
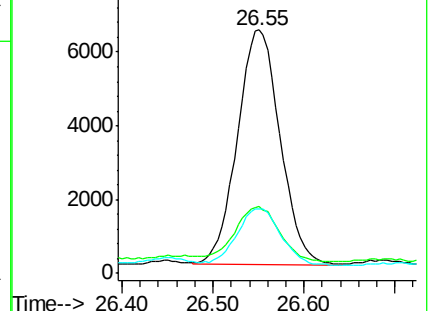
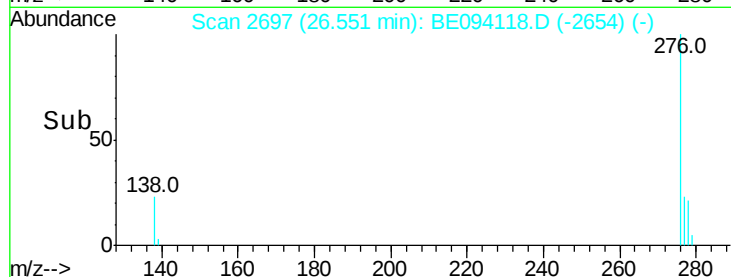
277 24.9 19.9 29.9



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# 2120

Delta R.T. -0.01 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

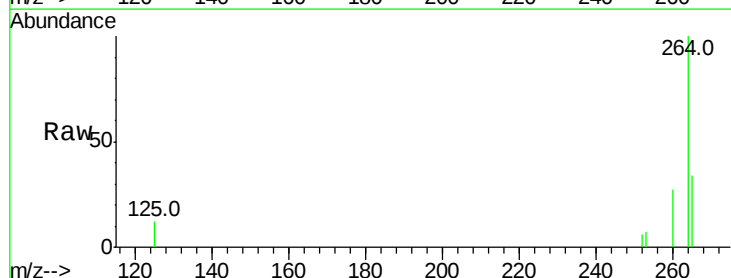
Tgt Ion:264 Resp: 14559

Ion Ratio Lower Upper

264 100

260 27.0 20.5 30.7

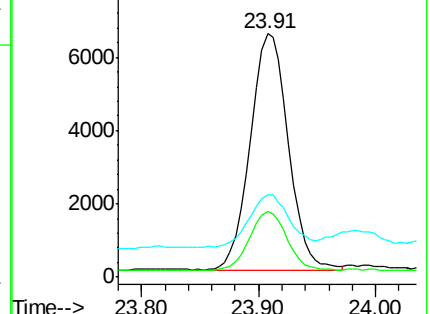
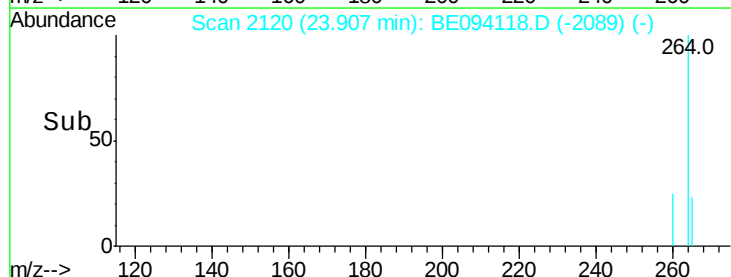
265 33.9 22.8 34.2



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: 0.859 ng

RT: 23.14 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

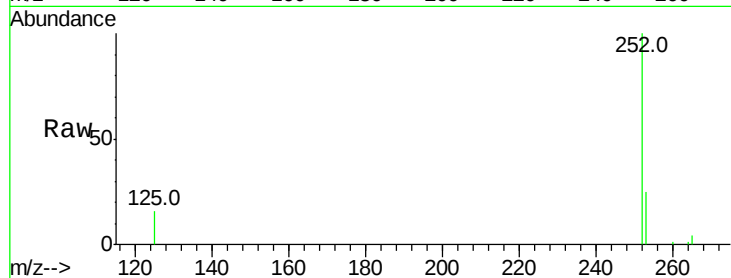
Tot Ion:252 Resp: 45114

Ion Ratio Lower Upper

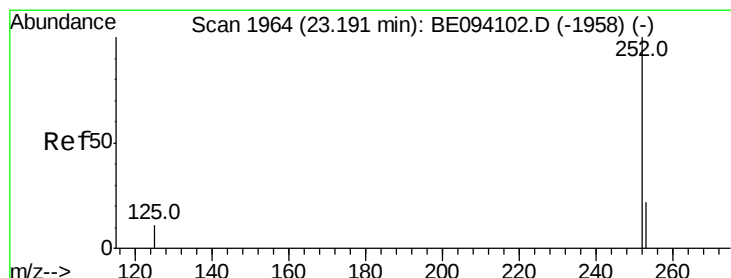
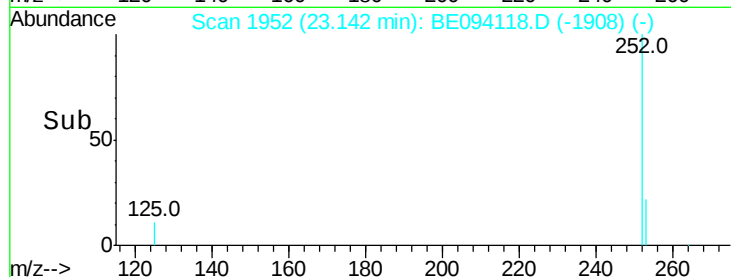
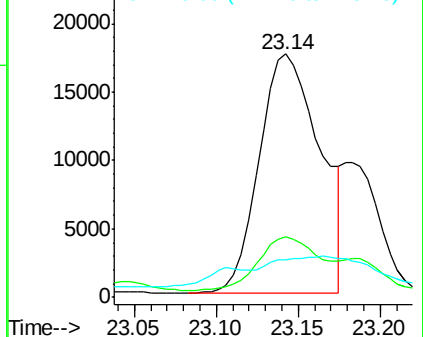
252 100

253 24.8 18.2 27.2

125 15.6 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: 0.897 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.05 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

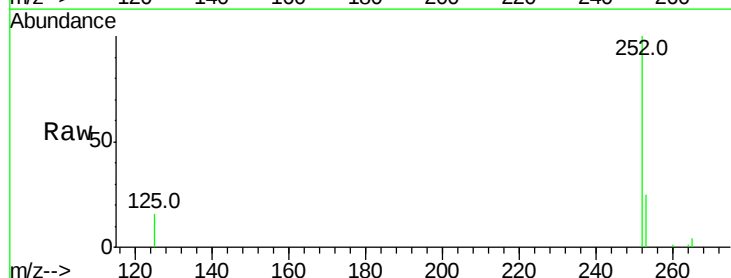
Tgt Ion:252 Resp: 45114

Ion Ratio Lower Upper

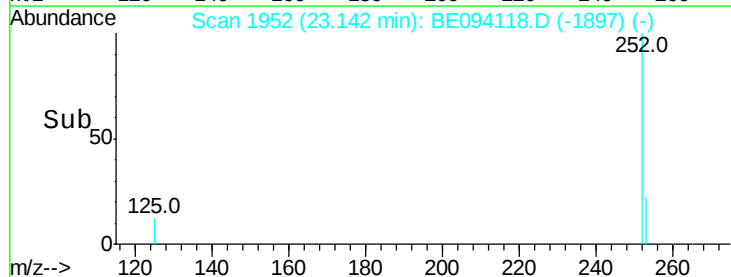
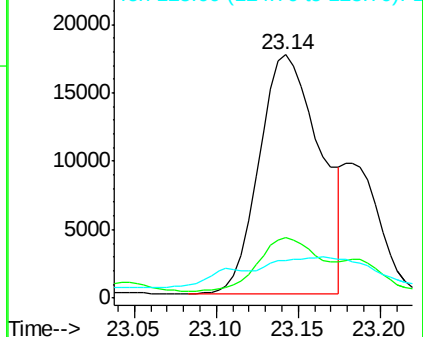
252 100

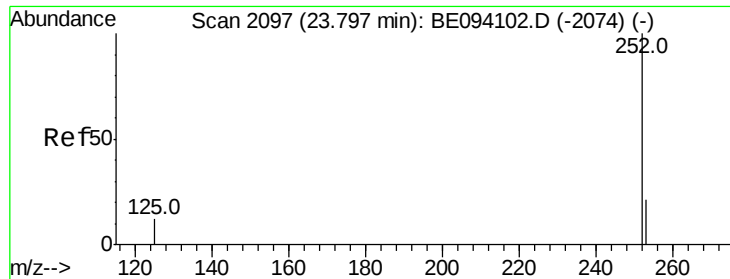
253 24.8 18.6 27.8

125 15.6 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: 0.648 ng

RT: 23.79 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :

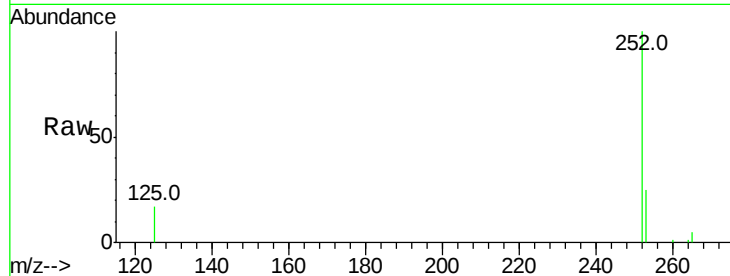
Tot Ion:252 Resp: 30761

Ion Ratio Lower Upper

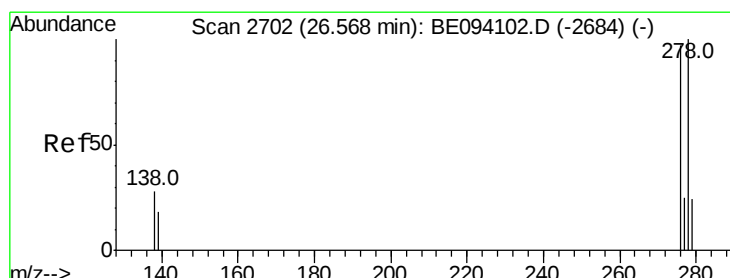
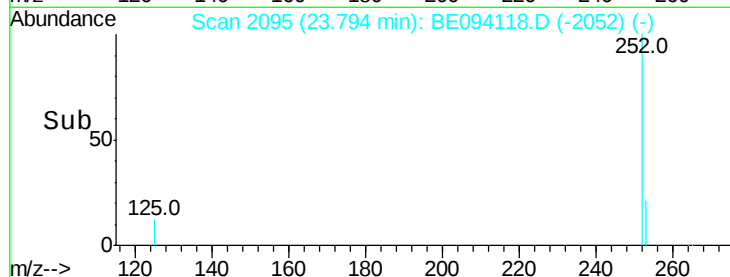
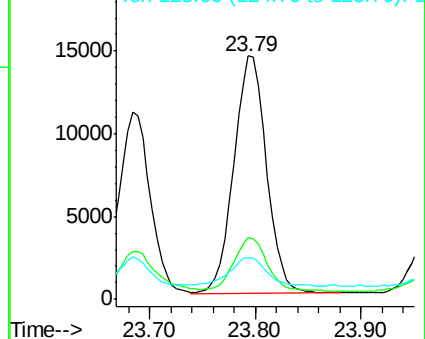
252 100

253 25.2 19.0 28.6

125 17.1 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: 0.118 ng

RT: 26.56 min Scan# 2699

Delta R.T. -0.01 min

Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

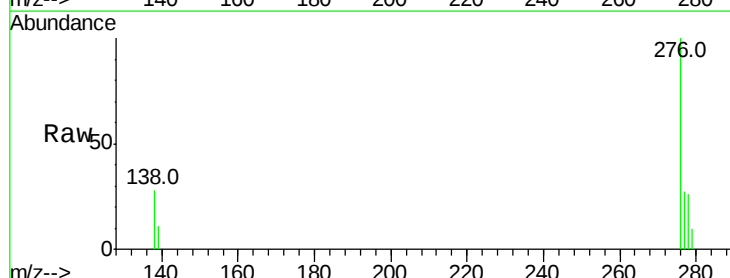
Tgt Ion:278 Resp: 5322

Ion Ratio Lower Upper

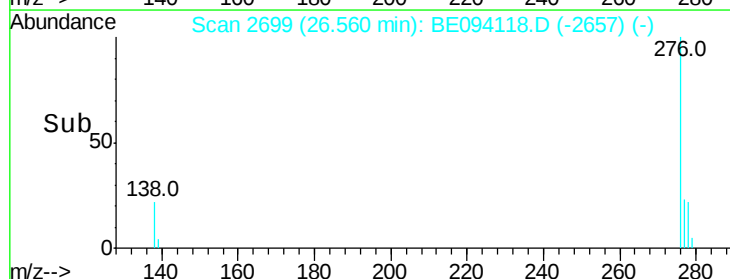
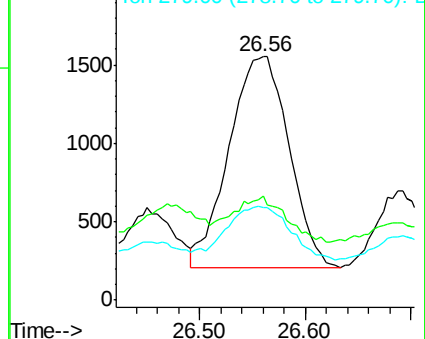
278 100

139 42.6 16.3 24.5#

279 38.1 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: 0.469 ng

RT: 27.38 min Scan# 2878

Delta R.T. 0.00 min

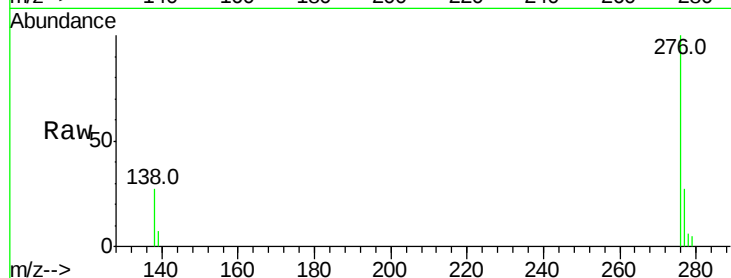
Lab File: BE094118.D

Acq: 26 Sep 2017 00:52

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 20860

Ion Ratio Lower Upper

276 100

277 26.7 20.8 31.2

138 27.1 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

