

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094115.D
 Acq On : 25 Sep 2017 23:01
 Operator : SJ/JU
 Sample : I5340-10RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 01:39:01 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	1503	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7345	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4913	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	17765	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14824	0.40	ng	0.00
34) Perylene-d12	23.91	264	14002	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1406	0.25	ng	0.00
5) Phenol-d6	7.09	99	2095	0.26	ng	0.00
8) Nitrobenzene-d5	9.06	82	1907	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2577	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	559	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	3480	0.21	ng	0.00
25) Fluoranthene-d10	19.27	212	30516	0.18	ng	0.00
29) Terphenyl-d14	19.85	244	4430	0.16	ng	0.00

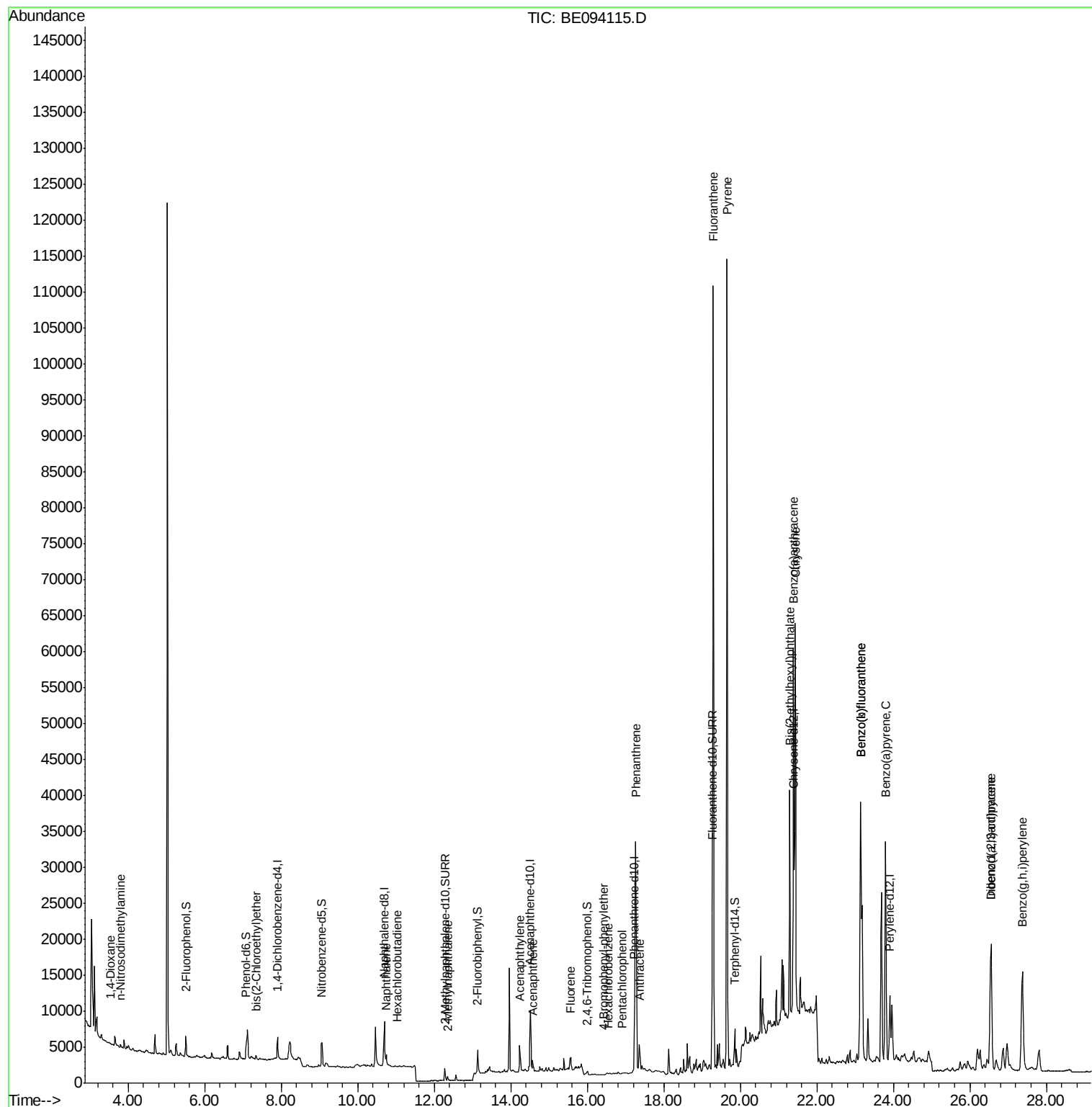
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.54	88	22	0.008	ng	# 16
3) n-Nitrosodimethylamine	3.79	42	26	0.007	ng	# 40
6) bis(2-Chloroethyl)ether	7.34	93	715	0.117	ng	# 1
9) Naphthalene	10.74	128	2731	0.033	ng	# 92
10) Hexachlorobutadiene	11.03	225	11	0.004	ng	# 64
12) 2-Methylnaphthalene	12.34	142	457	0.034	ng	# 87
16) Acenaphthylene	14.23	152	5066	0.206	ng	99
17) Acenaphthene	14.57	154	767	0.050	ng	98
18) Fluorene	15.56	166	1654	0.079	ng	87
20) 4-Bromophenyl-phenylether	16.42	248	33	0.005	ng	# 10
21) Hexachlorobenzene	16.55	284	35	0.008	ng	# 77
22) Pentachlorophenol	16.91	266	20	0.005	ng	93
23) Phenanthrene	17.27	178	47933	1.055	ng	98
24) Anthracene	17.37	178	6777	0.142	ng	# 92
26) Fluoranthene	19.29	202	101861	2.000	ng	99
28) Pyrene	19.65	202	101802	2.167	ng	# 96
30) Benzo(a)anthracene	21.38	228	47164	0.945	ng	97
31) Chrysene	21.44	228	56903	1.181	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	35068	0.019	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	32492	0.630	ng	97
35) Benzo(b)fluoranthene	23.14	252	70024	1.386	ng	96
36) Benzo(k)fluoranthene	23.14	252	70024	1.448	ng	98
37) Benzo(a)pyrene	23.79	252	47525	1.041	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	8117	0.188	ng	# 75
39) Benzo(g,h,i)perylene	27.37	276	33330	0.779	ng	100

(#) = 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: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

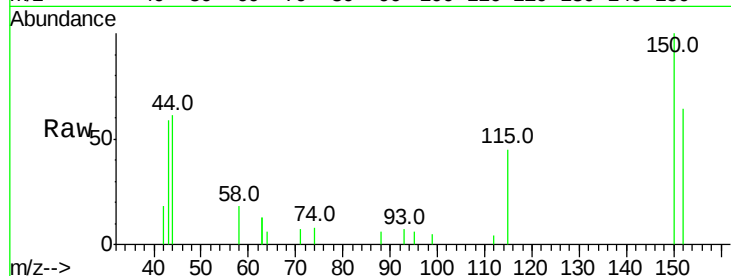
Tot Ion:152 Resp: 1503

Ion Ratio Lower Upper

152 100

150 156.9 117.2 175.8

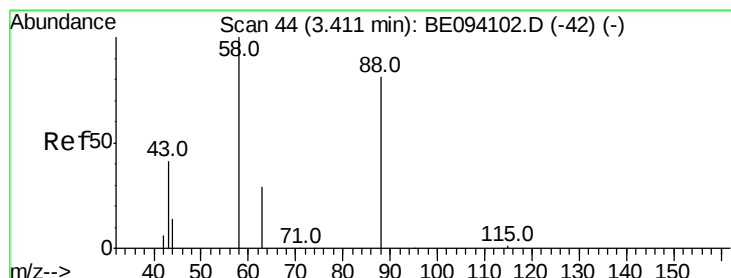
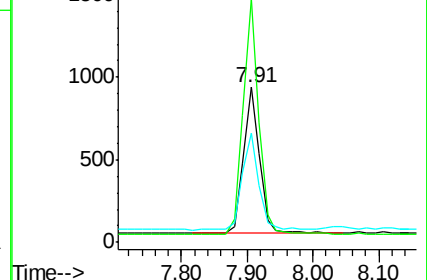
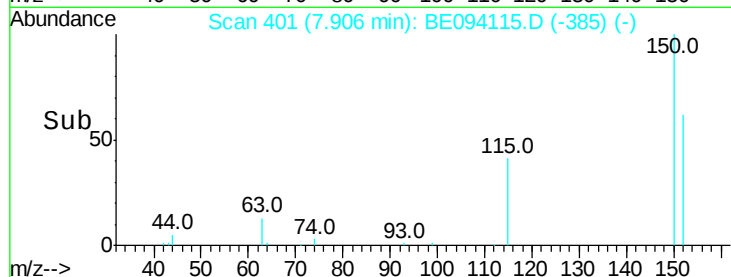
115 70.2 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.008 ng

RT: 3.54 min Scan# 54

Delta R.T. 0.13 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

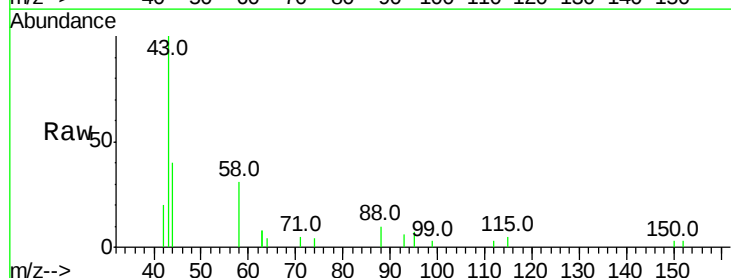
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

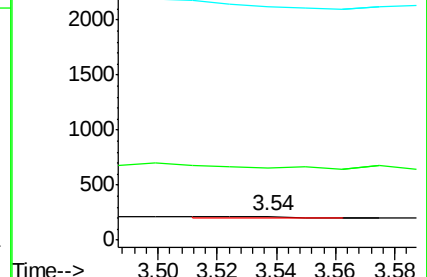
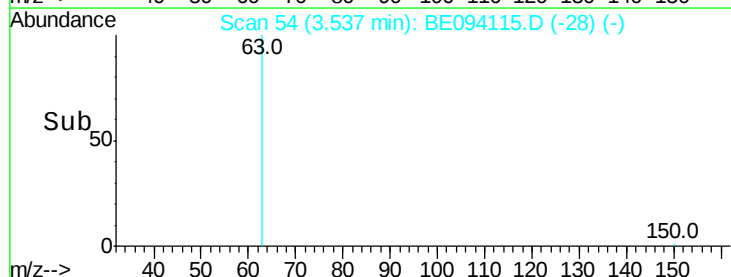
43 0.0 41.2 61.8#



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: 0.007 ng

RT: 3.79 min Scan# 74

Delta R.T. 0.06 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

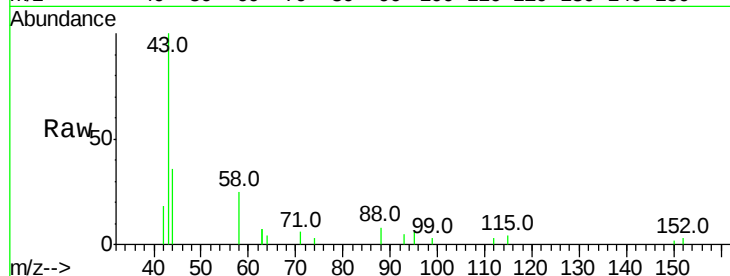
Tot Ion: 42 Resp: 26

Ion Ratio Lower Upper

42 100

74 53.8 100.3 150.5#

44 0.0 17.0 25.4#

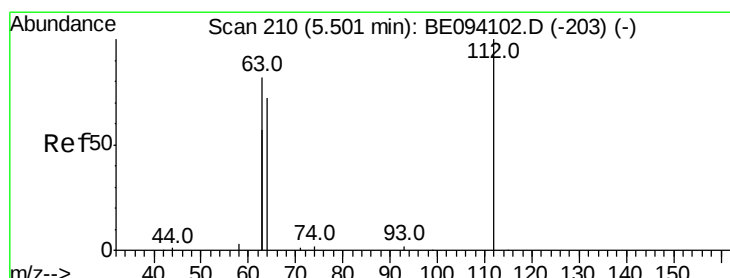
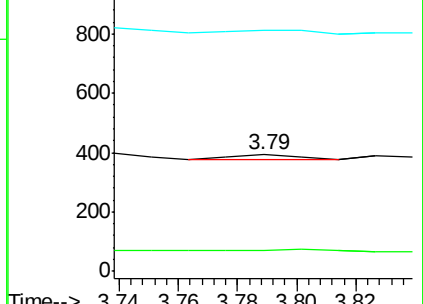
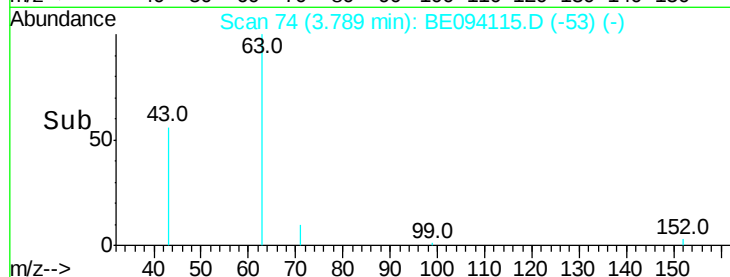


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time--> 3.74 3.76 3.78 3.80 3.82



#4

2-Fluorophenol

Concen: 0.247 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

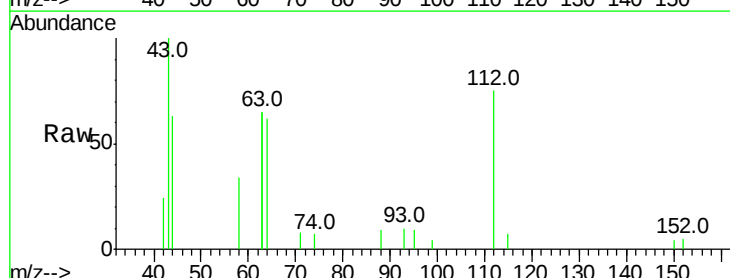
Tgt Ion: 112 Resp: 1406

Ion Ratio Lower Upper

112 100

64 75.9 60.1 90.1

63 150.6 116.8 175.2

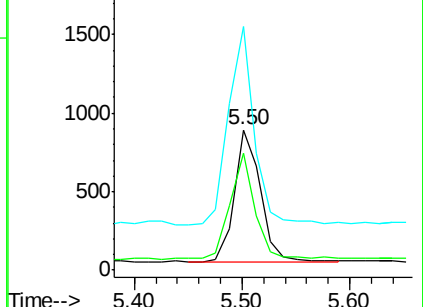
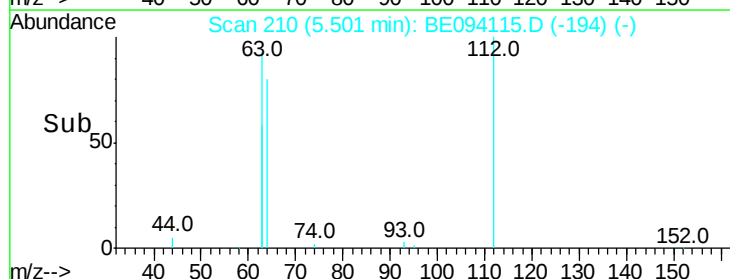


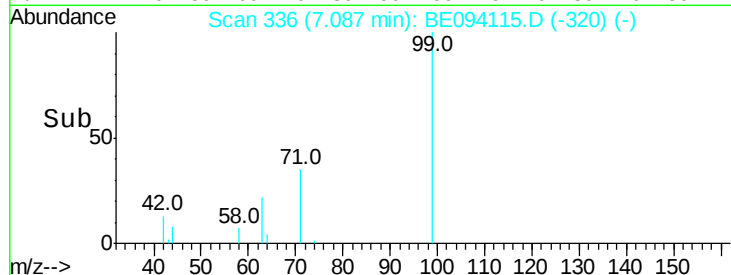
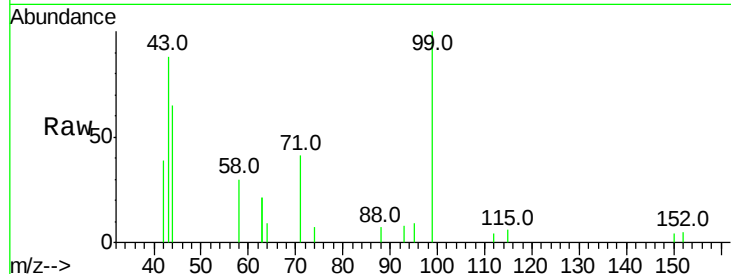
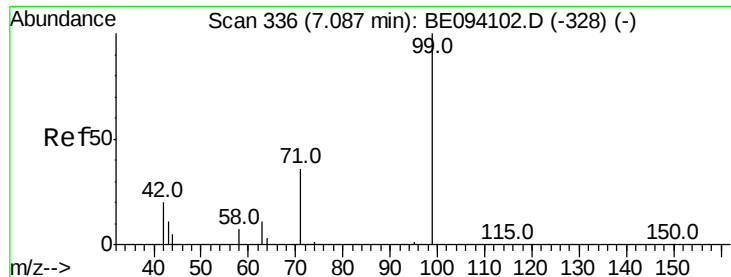
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time--> 5.40 5.50 5.60





#5

Phenol-d6

Concen: 0.265 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

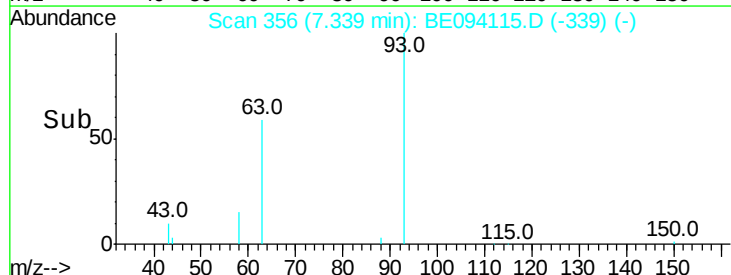
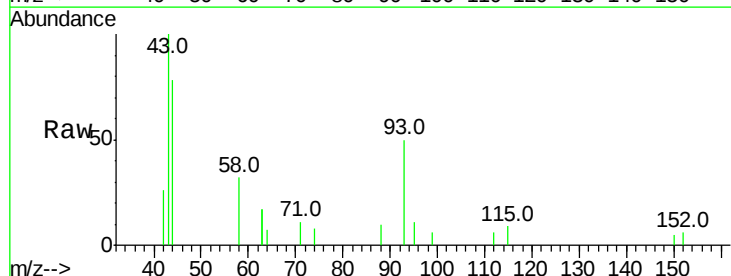
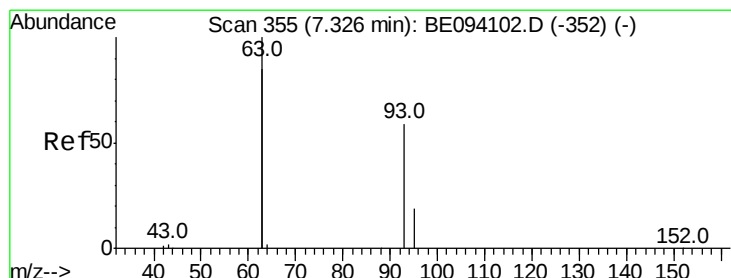
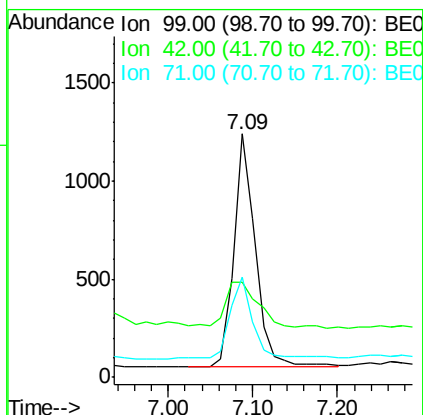
Tot Ion: 99 Resp: 2095

Ion Ratio Lower Upper

99 100

42 28.1 20.2 30.2

71 39.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.117 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

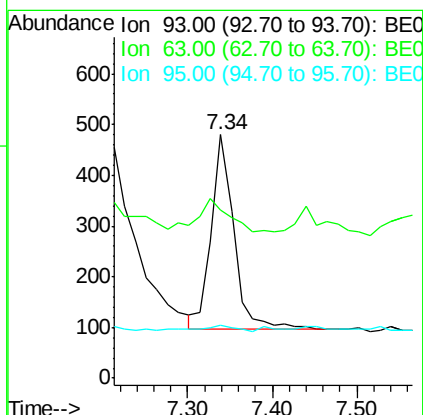
Tgt Ion: 93 Resp: 715

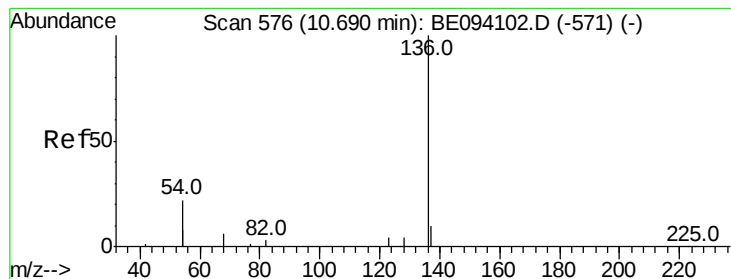
Ion Ratio Lower Upper

93 100

63 23.5 275.3 412.9#

95 2.9 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: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7345

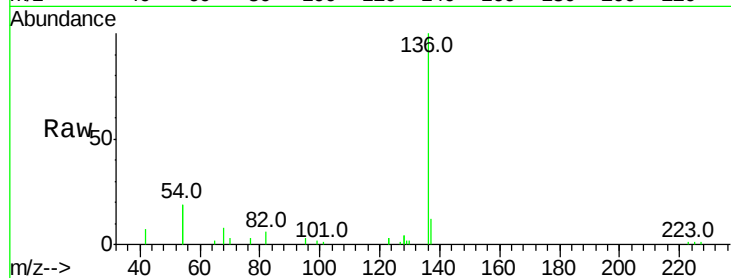
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 38.9 29.1 43.7

68 8.1 6.2 9.2

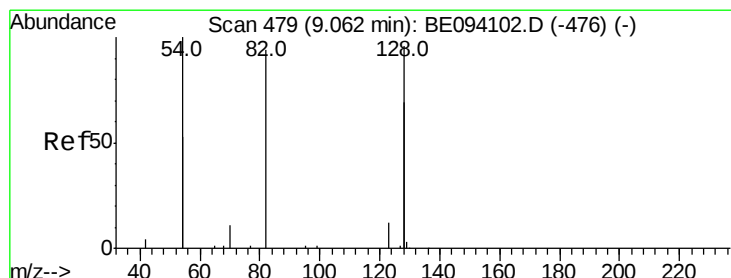
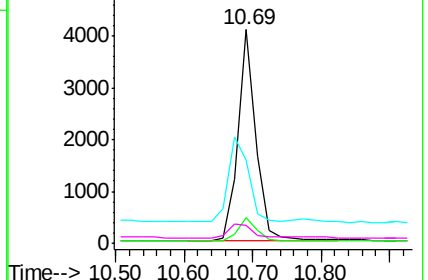
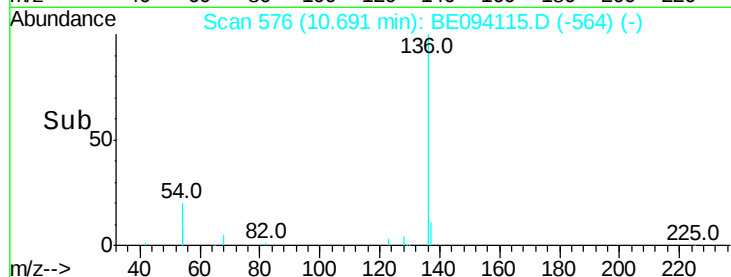


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.268 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

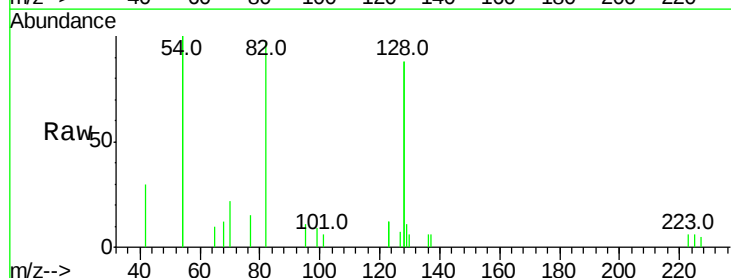
Tgt Ion: 82 Resp: 1907

Ion Ratio Lower Upper

82 100

128 181.8 150.0 225.0

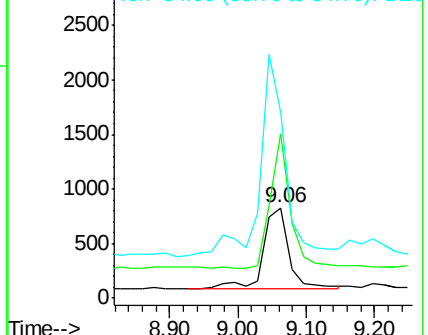
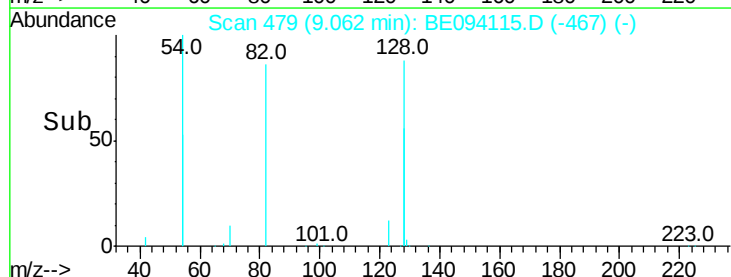
54 206.5 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.033 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

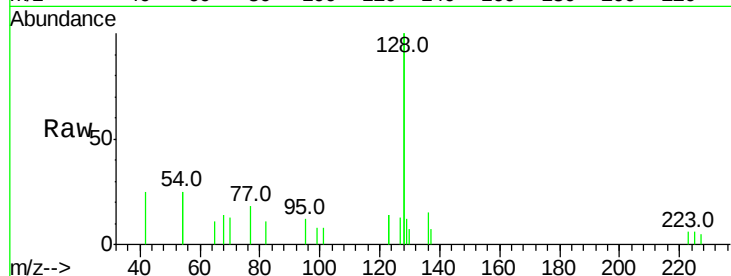
Tot Ion:128 Resp: 2731

Ion Ratio Lower Upper

128 100

129 6.0 2.6 3.8#

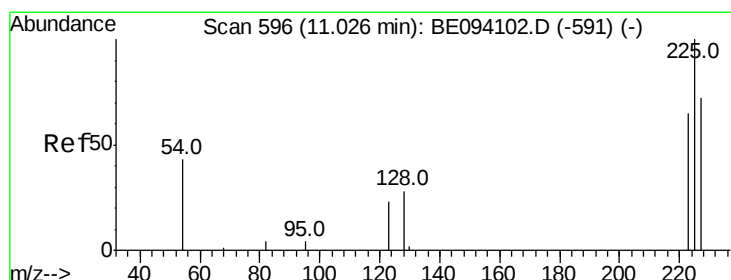
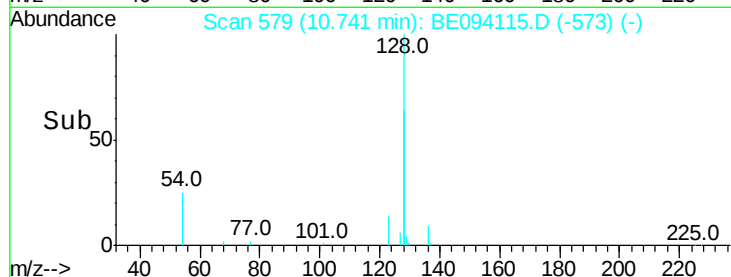
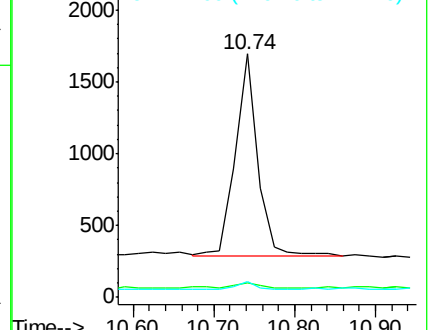
127 6.3 2.8 4.2#



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: 0.004 ng

RT: 11.03 min Scan# 596

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

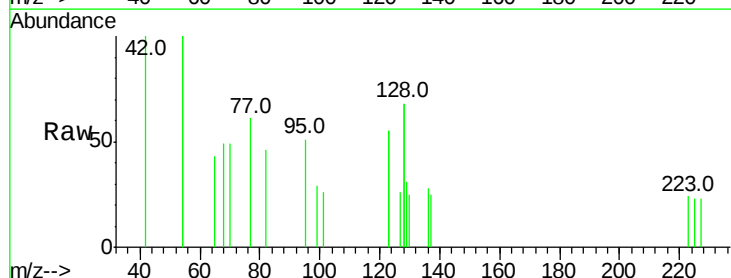
Tgt Ion:225 Resp: 11

Ion Ratio Lower Upper

225 100

223 45.5 53.0 79.6#

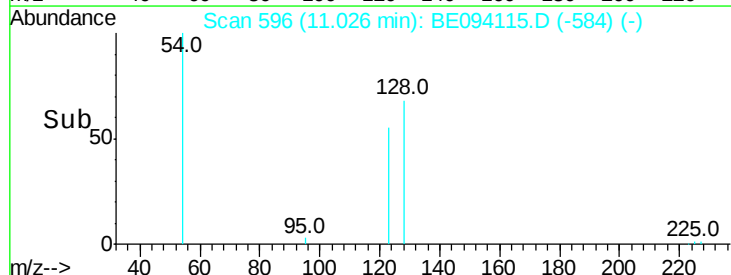
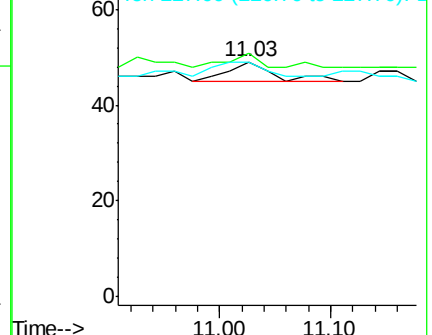
227 100.0 51.4 77.2#

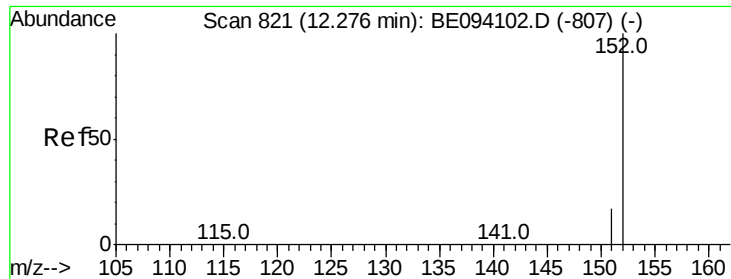


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.228 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

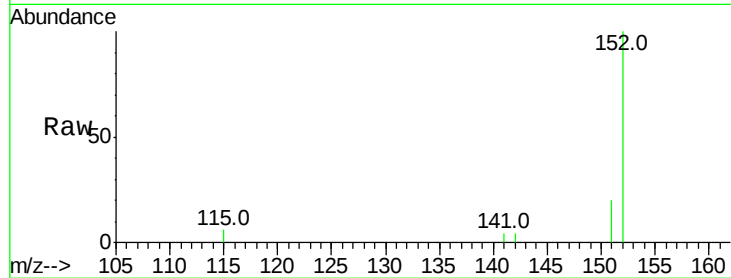
ClientSampleId :

Tot Ion:152 Resp: 2577

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

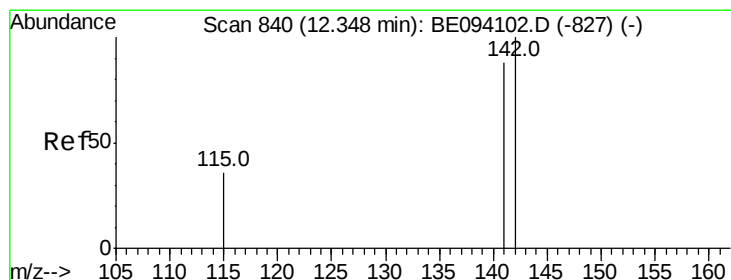
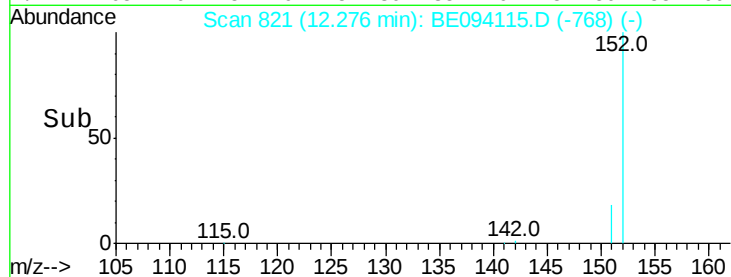
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.034 ng

RT: 12.34 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

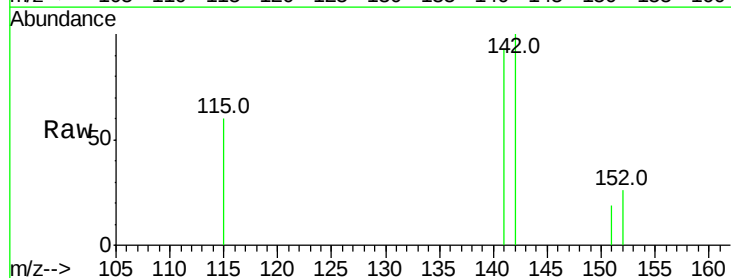
Tgt Ion:142 Resp: 457

Ion Ratio Lower Upper

142 100

141 92.6 70.4 105.6

115 59.6 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.34

400

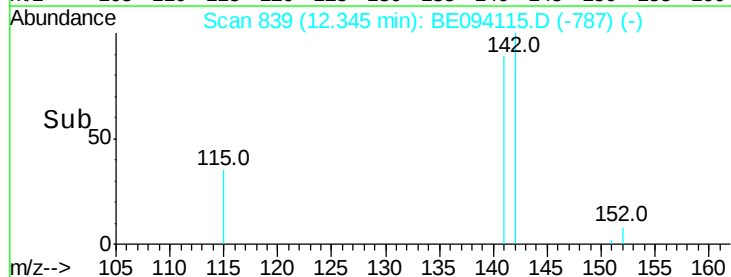
300

200

100

0

Time--> 12.30 12.35 12.40

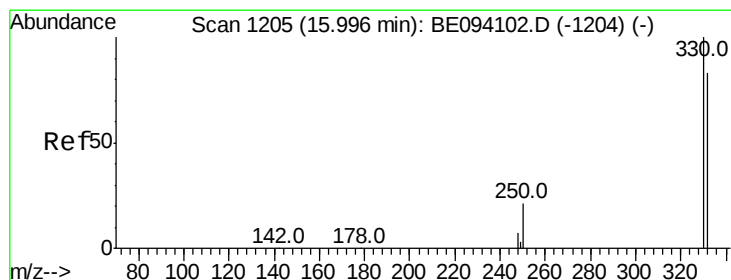
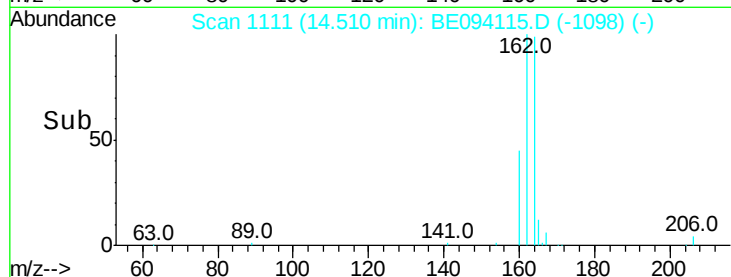
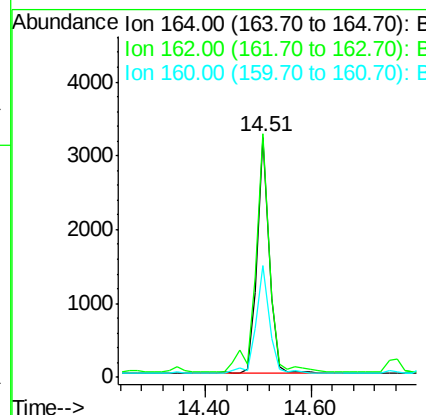
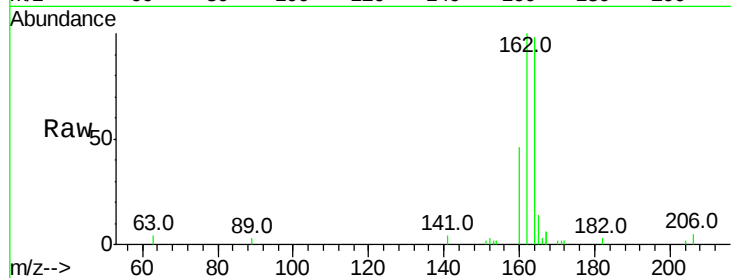




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

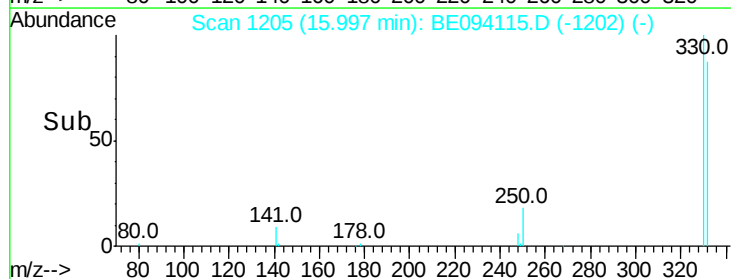
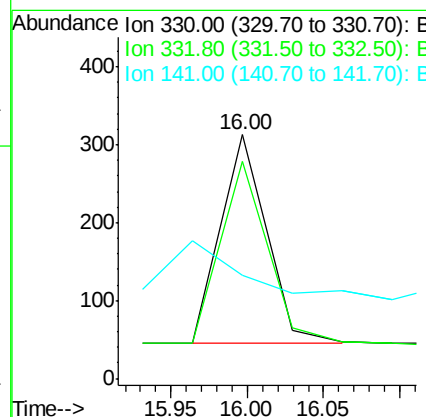
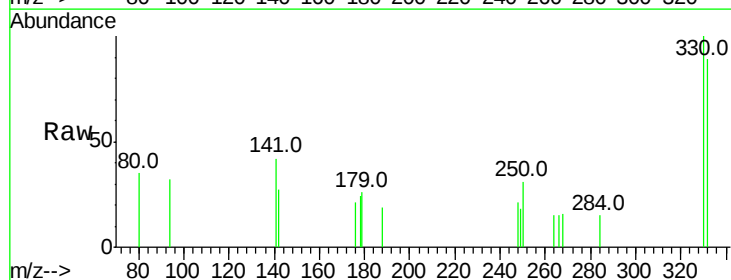
Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4913
Ion Ratio Lower Upper
164 100
162 101.5 83.1 124.7
160 46.7 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.177 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion:330 Resp: 559
Ion Ratio Lower Upper
330 100
332 89.3 152.7 229.1#
141 0.0 33.7 50.5#

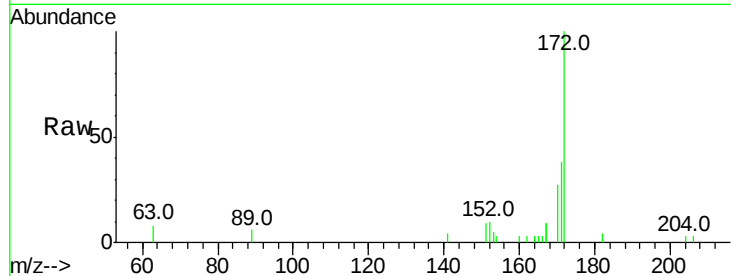




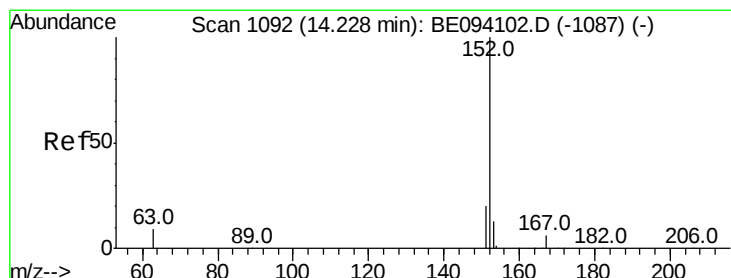
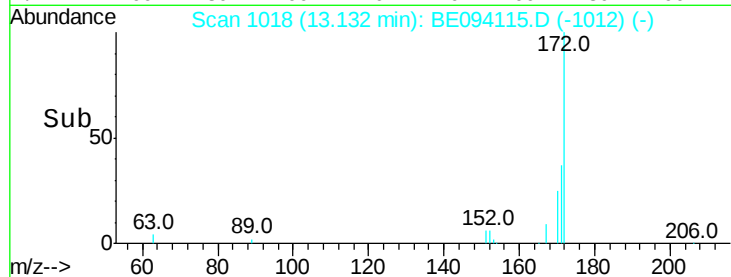
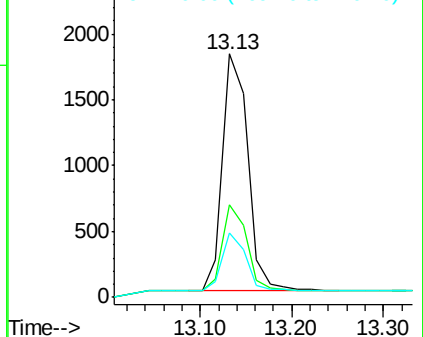
#15
2-Fluorobiphenyl
Concen: 0.214 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3480
Ion Ratio Lower Upper
172 100
171 38.2 29.9 44.9
170 26.6 21.8 32.8

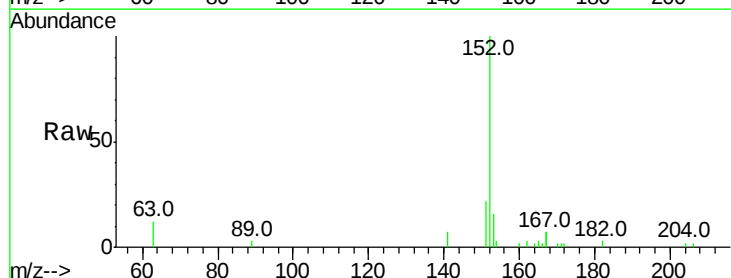


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

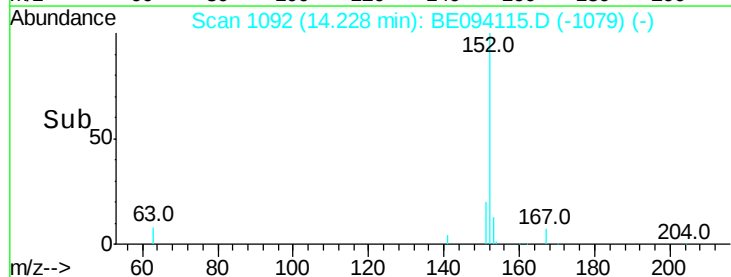
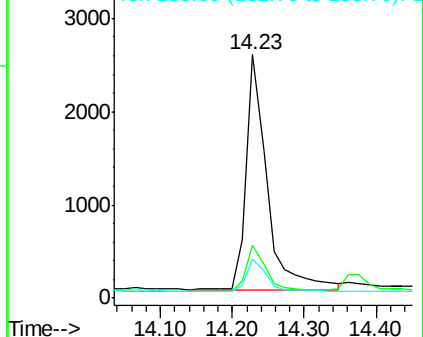


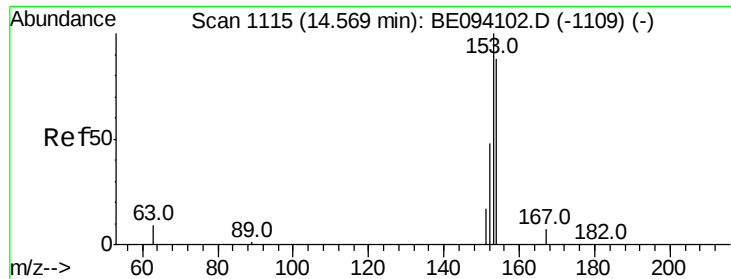
#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion:152 Resp: 5066
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.7 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

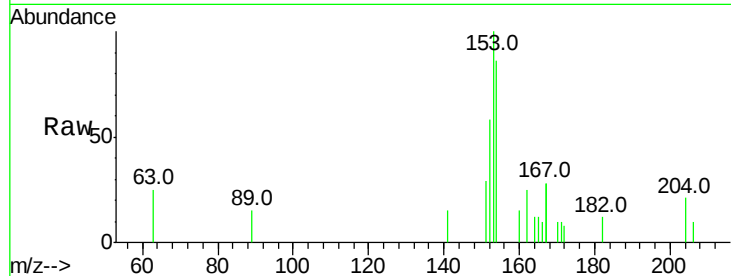




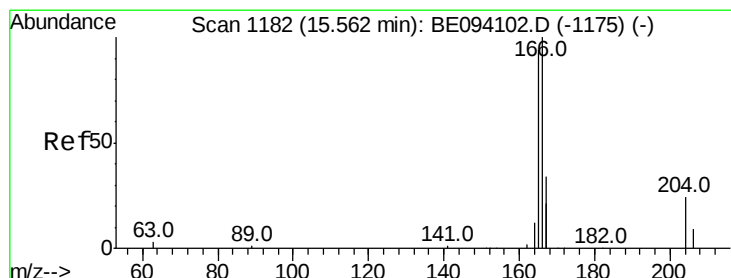
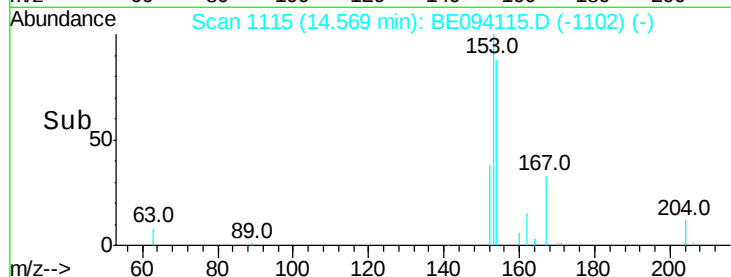
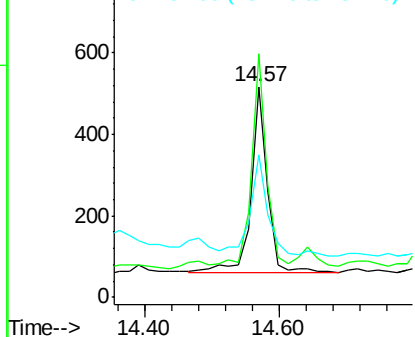
#17
Acenaphthene
Concen: 0.050 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 767
Ion Ratio Lower Upper
154 100
153 109.8 89.2 133.8
152 55.5 42.0 63.0

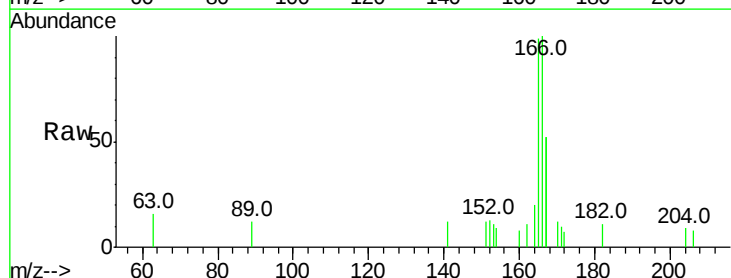


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

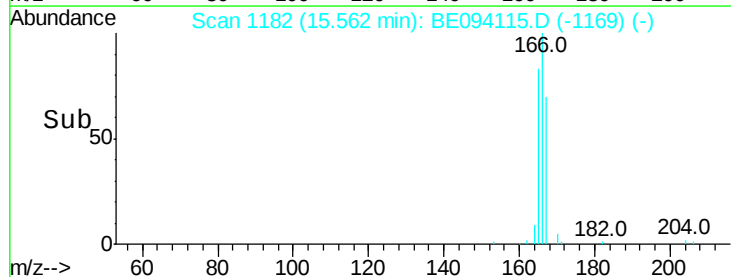
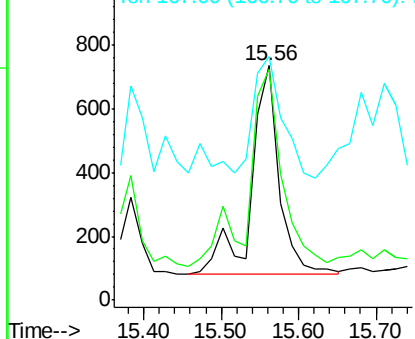


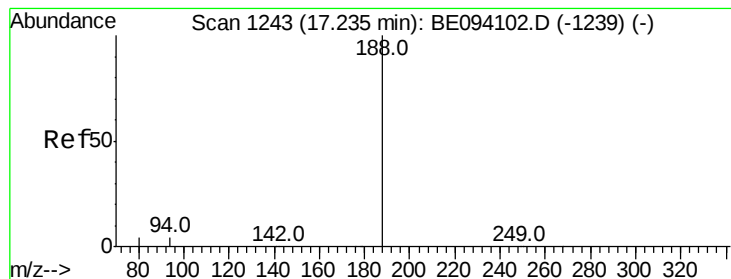
#18
Fluorene
Concen: 0.079 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion:166 Resp: 1654
Ion Ratio Lower Upper
166 100
165 112.9 77.8 116.6
167 58.6 42.4 63.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

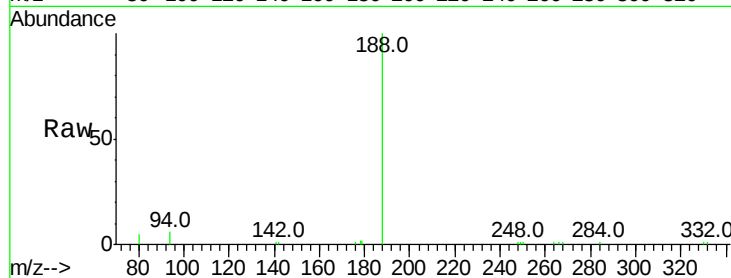
Tot Ion:188 Resp: 17765

Ion Ratio Lower Upper

188 100

94 5.5 3.9 5.9

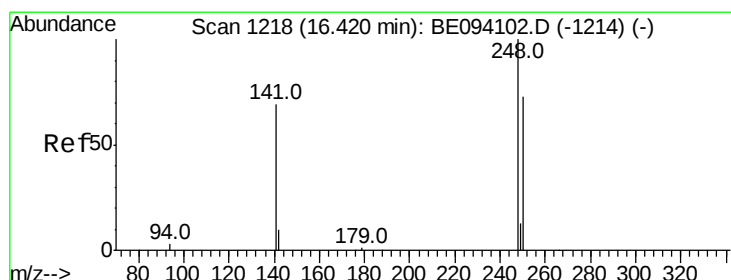
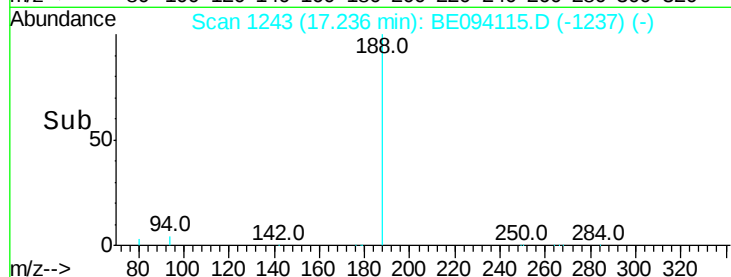
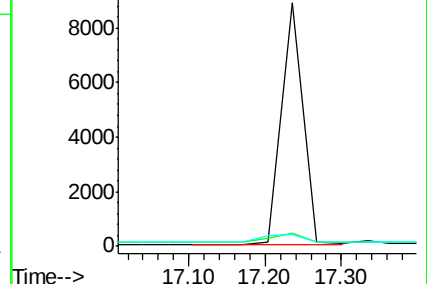
80 5.0 3.6 5.4



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: 0.005 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

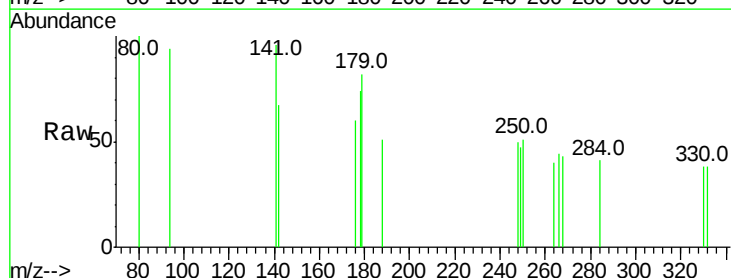
Tgt Ion:248 Resp: 33

Ion Ratio Lower Upper

248 100

250 101.7 62.7 94.1#

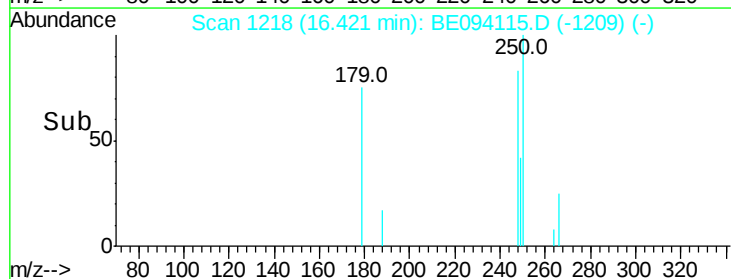
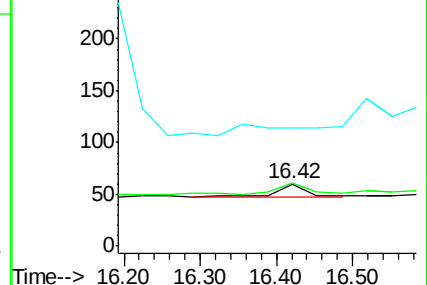
141 190.0 48.2 72.2#

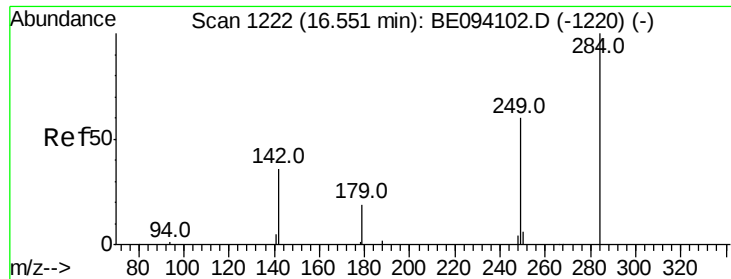


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

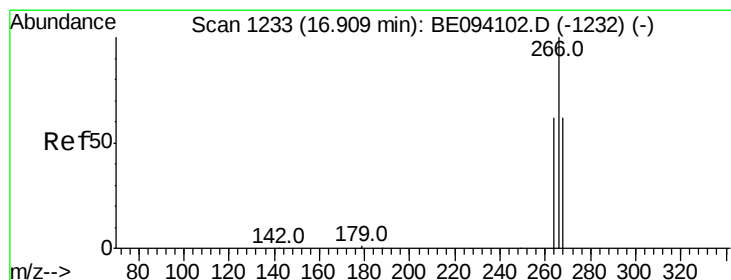
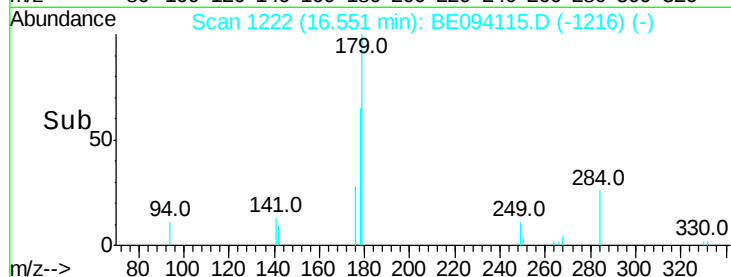
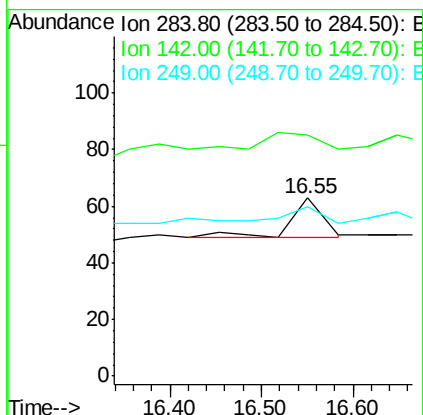
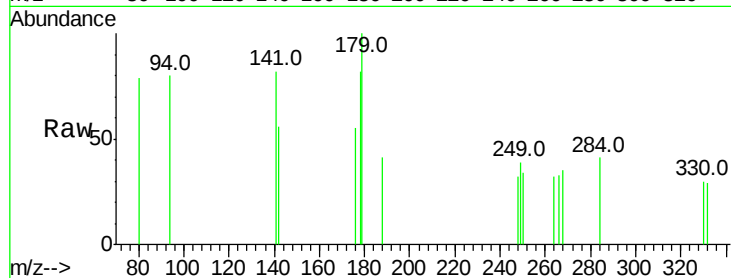




#21
Hexachlorobenzene
Concen: 0.008 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

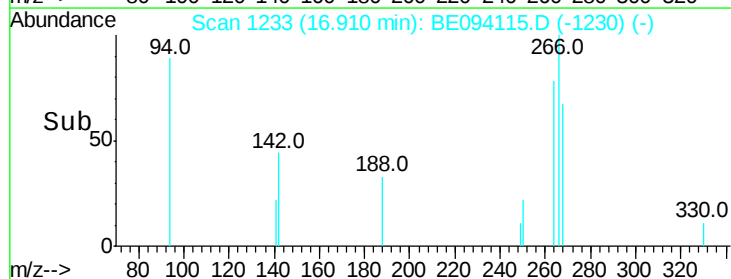
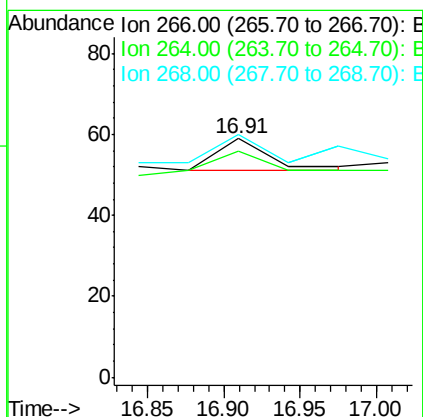
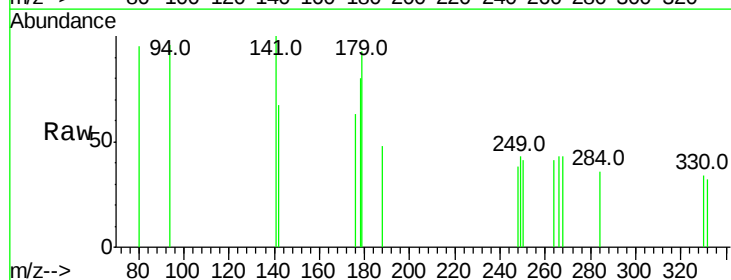
Instrument :
BNA_E
ClientSampled :

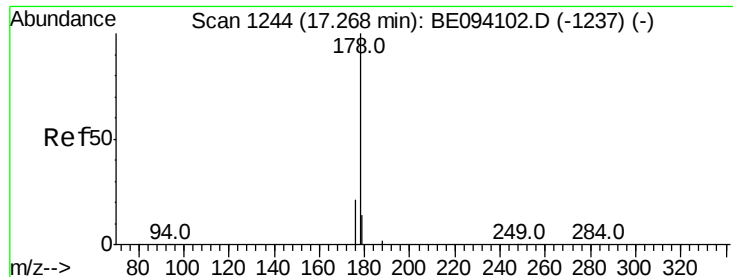
Tot Ion:284 Resp: 35
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 45.7 34.8 52.2



#22
Pentachlorophenol
Concen: 0.005 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
264 94.9 72.5 108.7
268 101.7 73.8 110.6





#23

Phenanthrene

Concen: 1.055 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

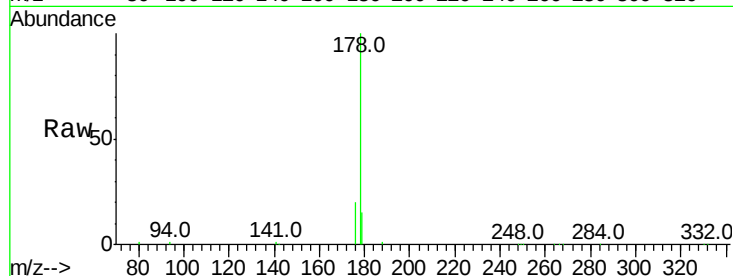
Tot Ion:178 Resp: 47933

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

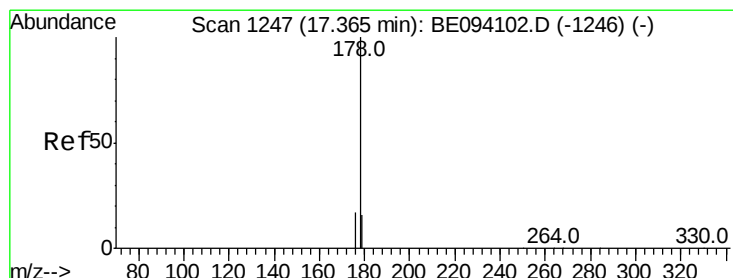
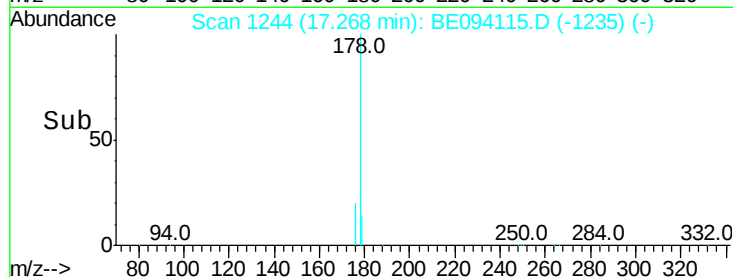
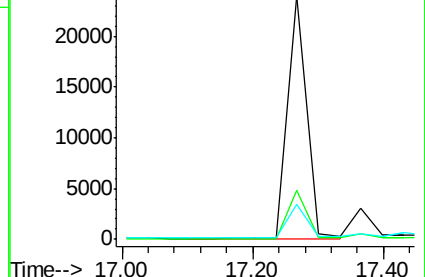
179 15.5 11.8 17.6



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: 0.142 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

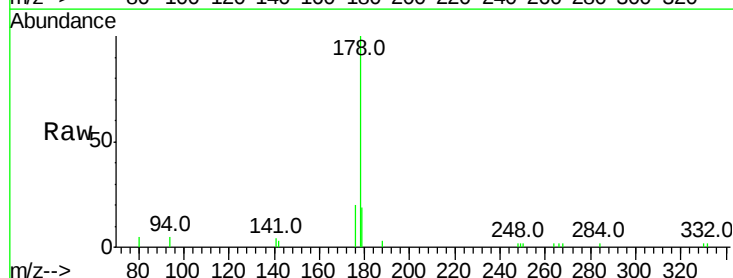
Tgt Ion:178 Resp: 6777

Ion Ratio Lower Upper

178 100

176 17.5 12.8 19.2

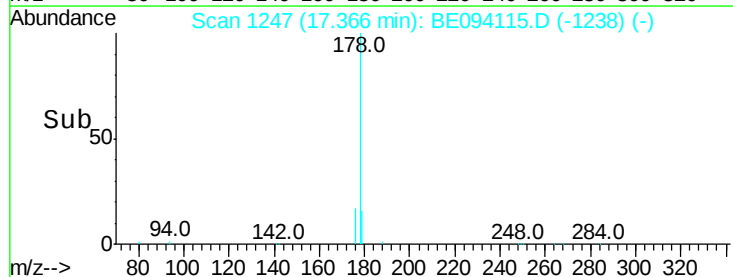
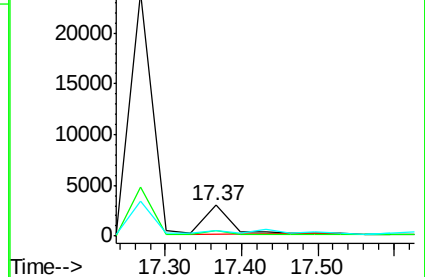
179 11.1 13.0 19.6#

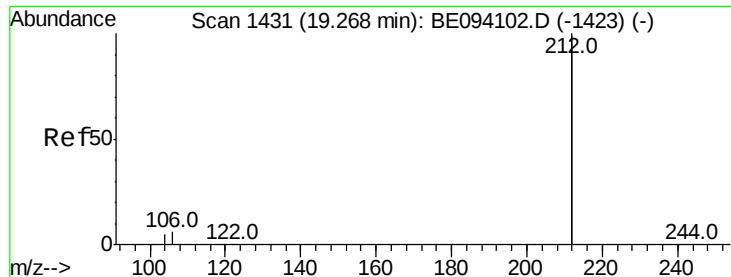


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.177 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

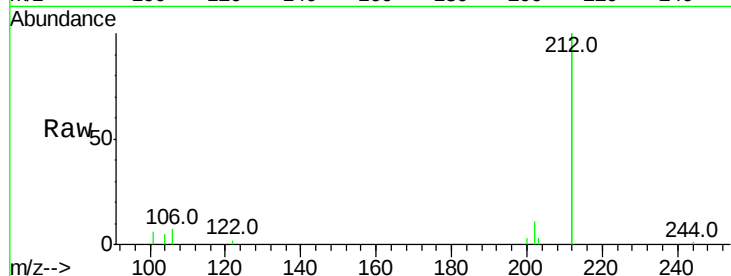
Tot Ion:212 Resp: 30516

Ion Ratio Lower Upper

212 100

106 3.9 2.8 4.2

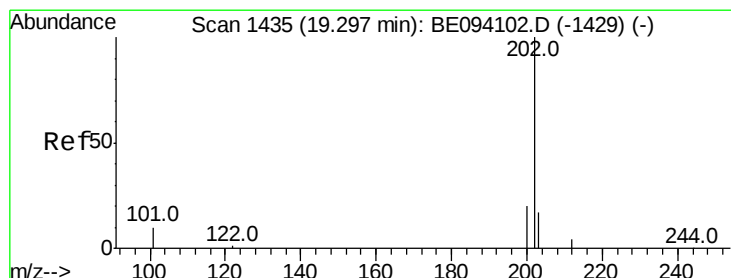
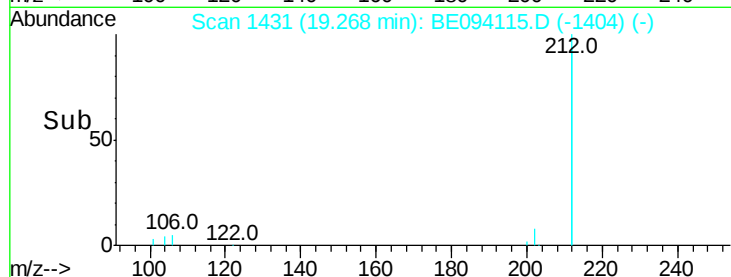
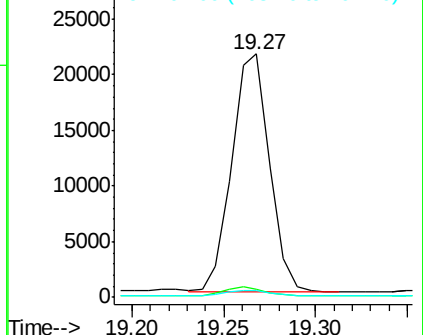
104 3.0 1.6 2.4#



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: 2.000 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

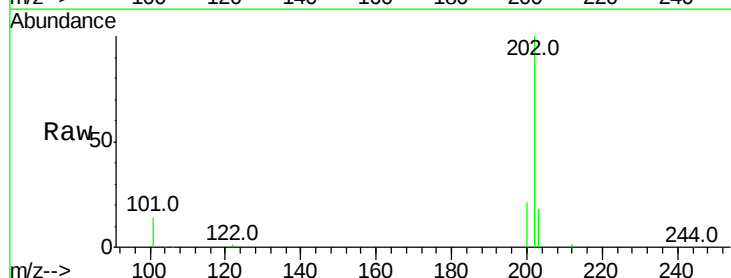
Tgt Ion:202 Resp: 101861

Ion Ratio Lower Upper

202 100

101 12.5 9.8 14.8

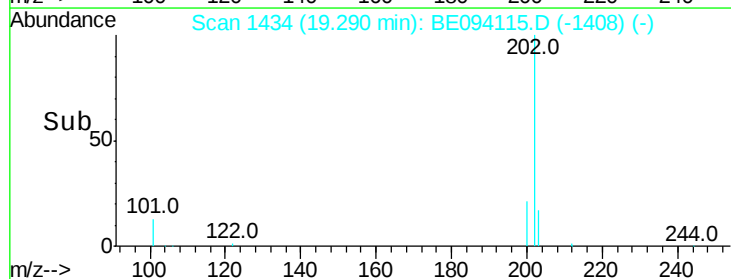
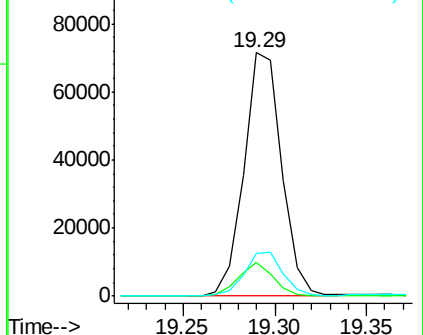
203 17.7 13.7 20.5



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: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampled :

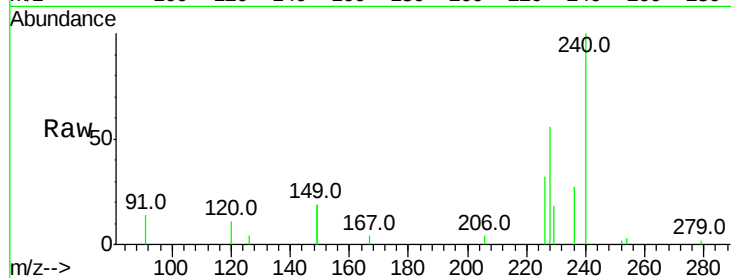
Tot Ion:240 Resp: 14824

Ion Ratio Lower Upper

240 100

120 11.1 5.5 8.3#

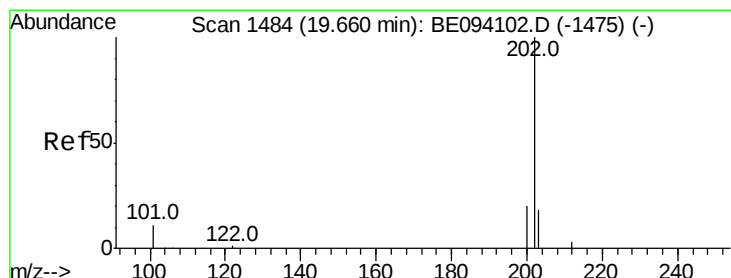
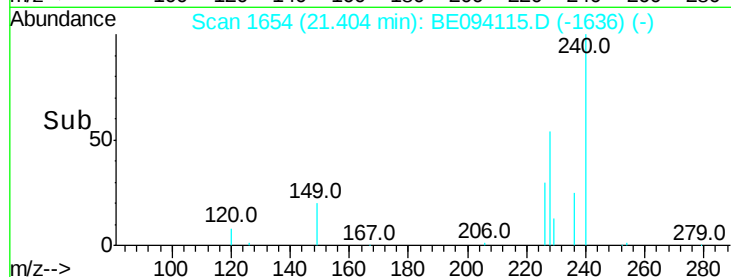
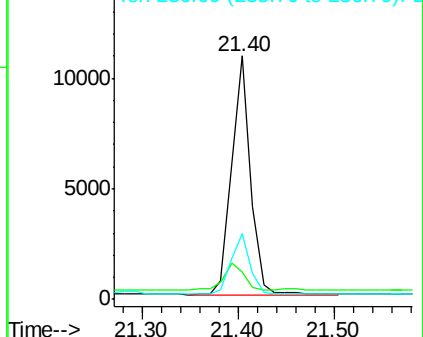
236 27.1 20.7 31.1



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: 2.167 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

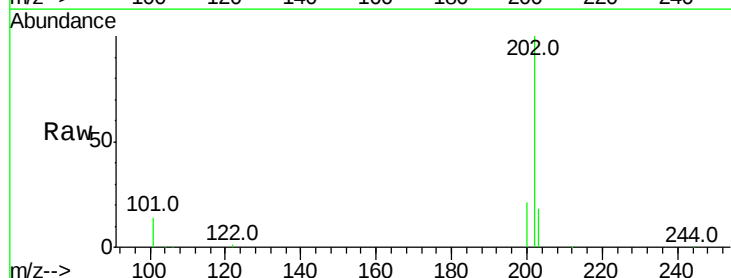
Tgt Ion:202 Resp: 101802

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

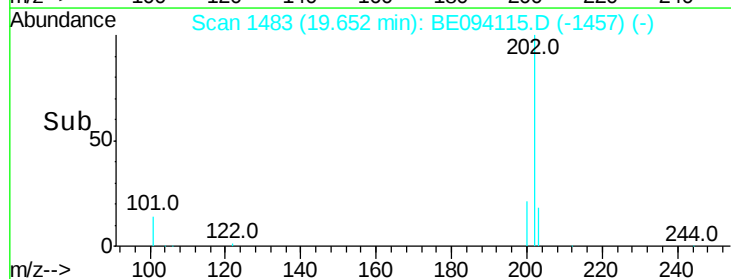
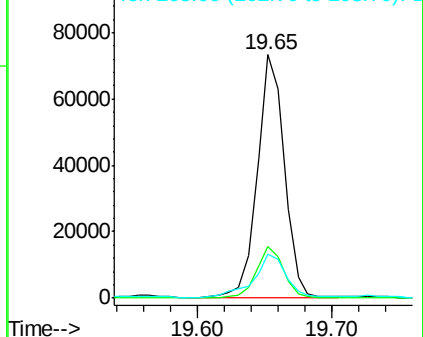
203 21.2 13.8 20.8#

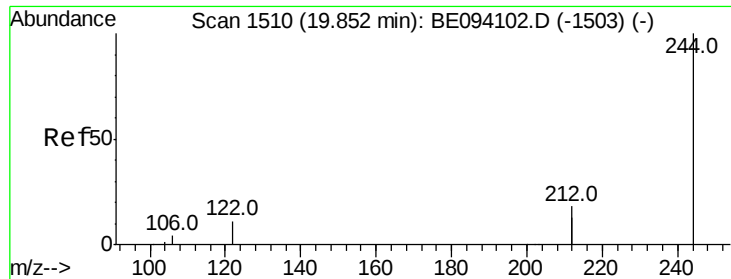


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.164 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

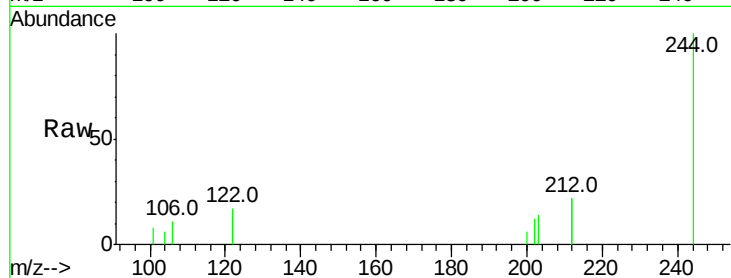
Tot Ion:244 Resp: 4430

Ion Ratio Lower Upper

244 100

212 44.3 25.4 38.0#

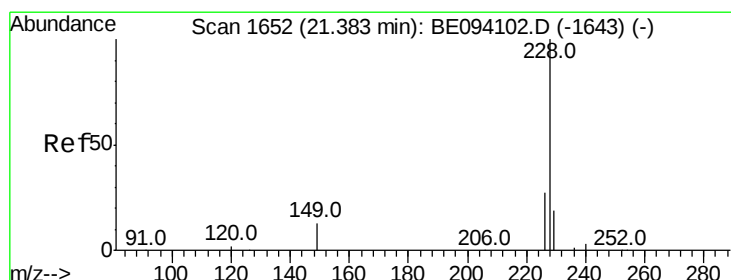
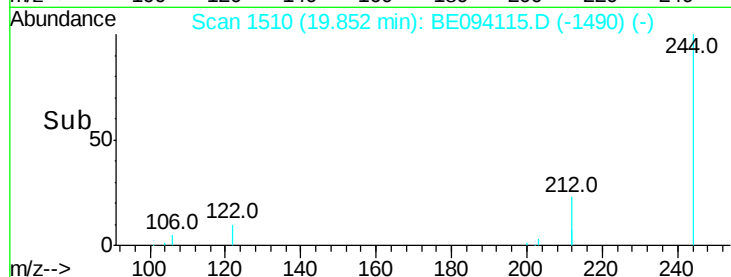
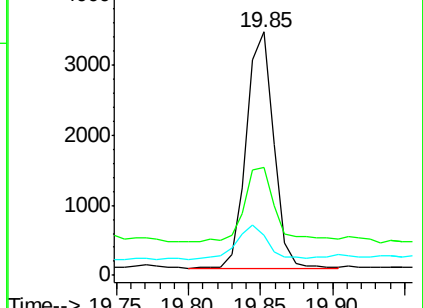
122 16.7 8.1 12.1#



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: 0.945 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

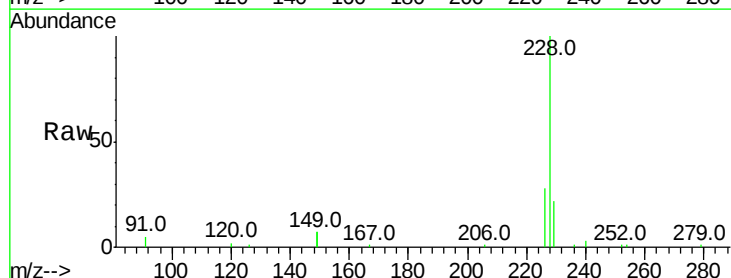
Tgt Ion:228 Resp: 47164

Ion Ratio Lower Upper

228 100

226 28.5 21.4 32.0

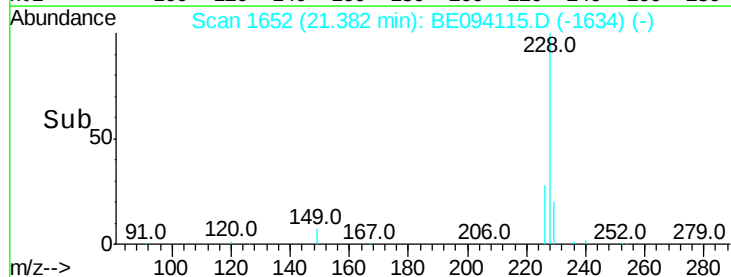
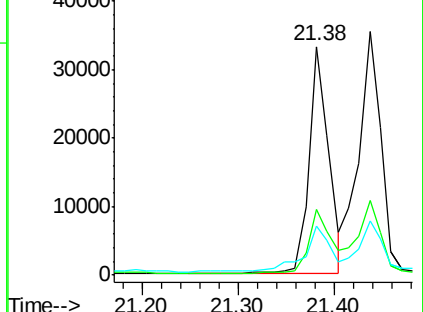
229 21.7 16.4 24.6



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: 1.181 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

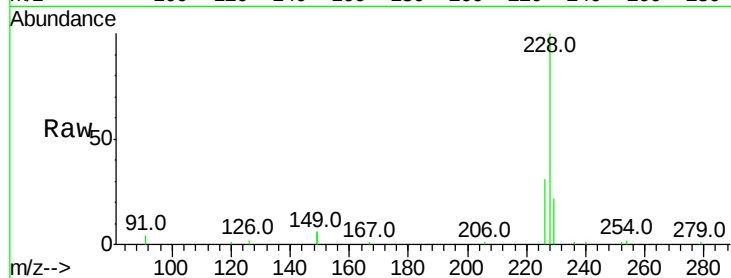
Tot Ion:228 Resp: 56903

Ion Ratio Lower Upper

228 100

226 30.7 23.6 35.4

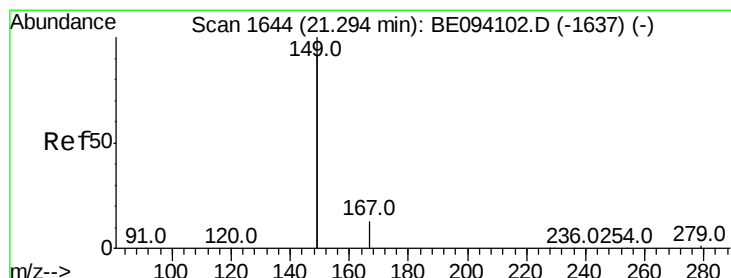
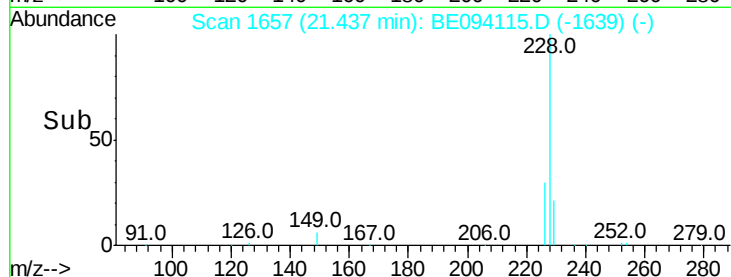
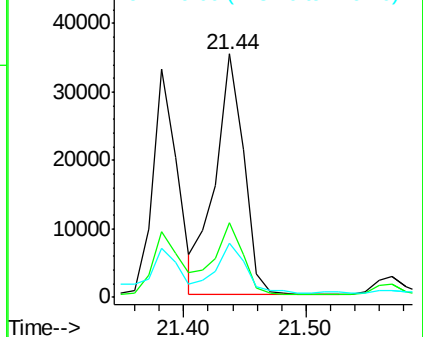
229 22.2 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.019 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

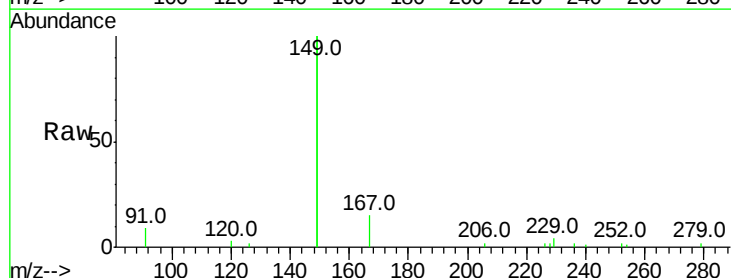
Tgt Ion:149 Resp: 35068

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

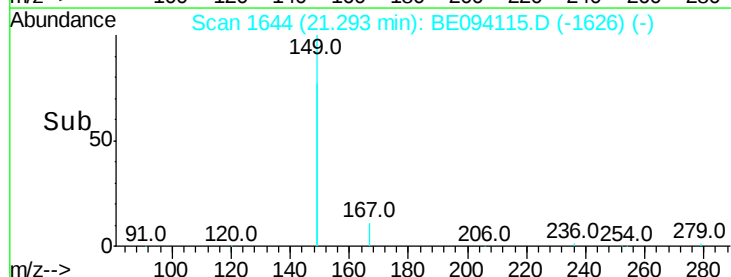
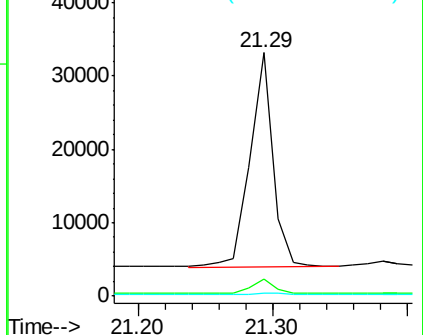
279 0.8 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.630 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

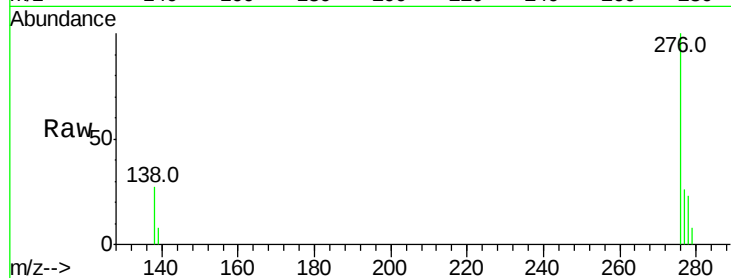
Tot Ion:276 Resp: 32492

Ion Ratio Lower Upper

276 100

138 25.2 22.5 33.7

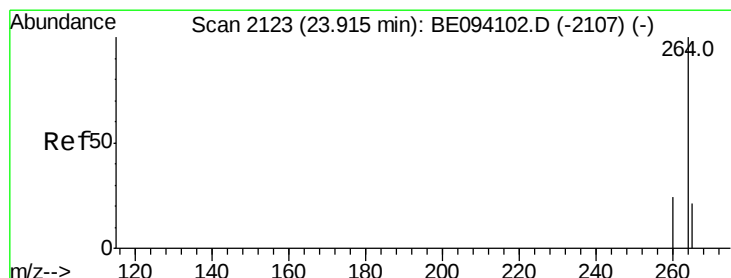
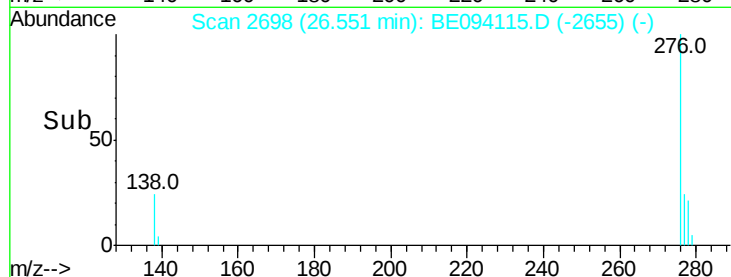
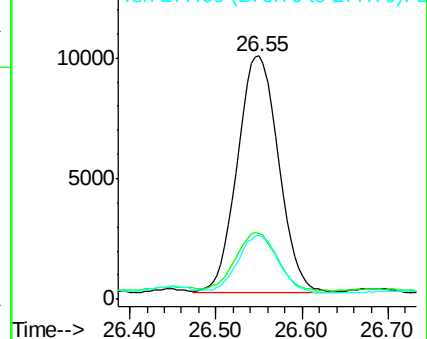
277 24.6 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

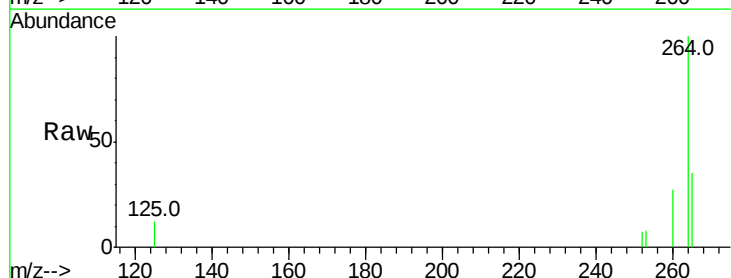
Tgt Ion:264 Resp: 14002

Ion Ratio Lower Upper

264 100

260 27.2 20.5 30.7

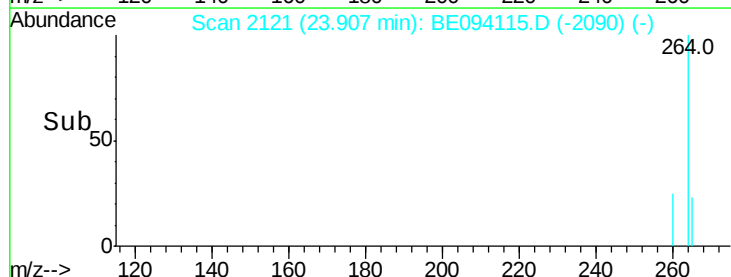
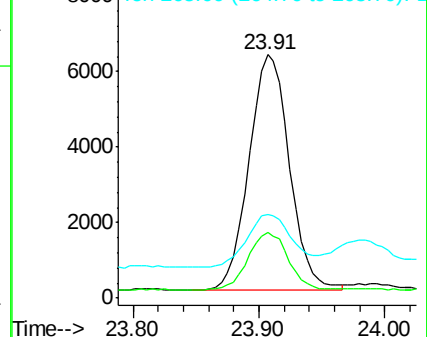
265 34.5 22.8 34.2#



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: 1.386 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

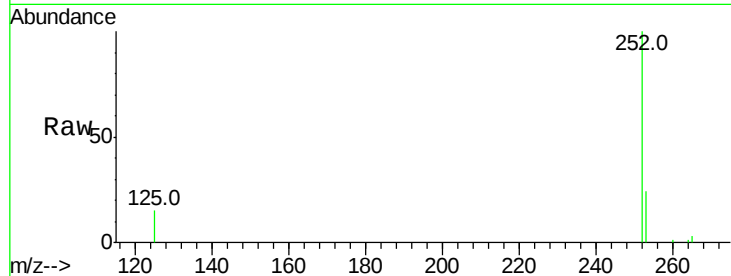
Tot Ion:252 Resp: 70024

Ion Ratio Lower Upper

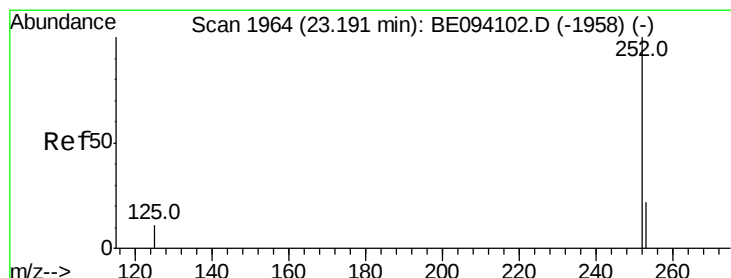
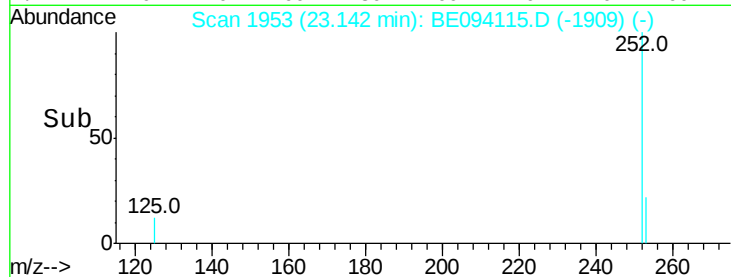
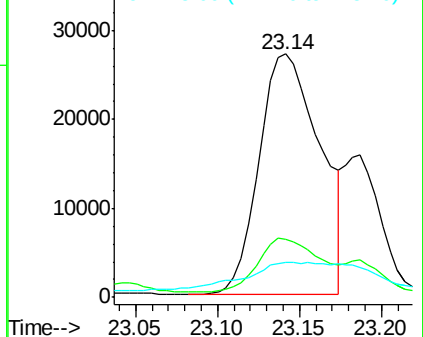
252 100

253 24.1 18.2 27.2

125 14.6 10.1 15.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.448 ng

RT: 23.14 min Scan# 1953

Delta R.T. -0.05 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

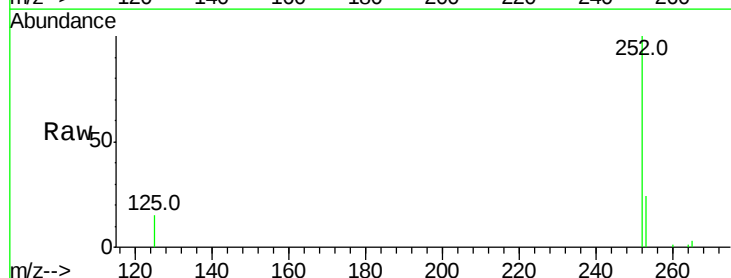
Tgt Ion:252 Resp: 70024

Ion Ratio Lower Upper

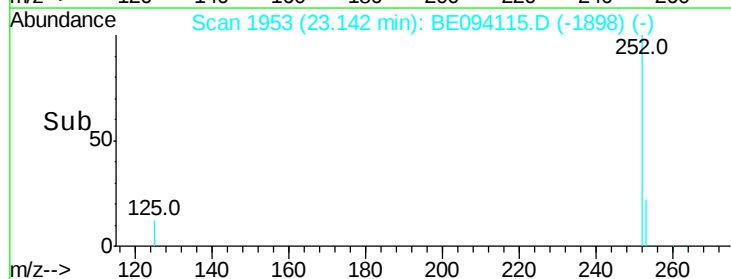
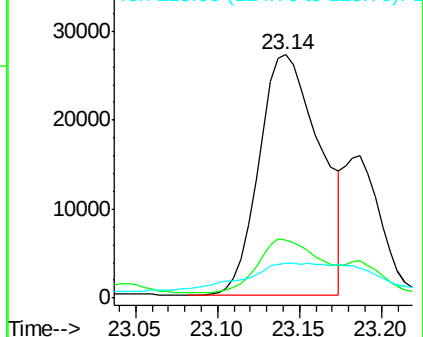
252 100

253 24.1 18.6 27.8

125 14.6 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

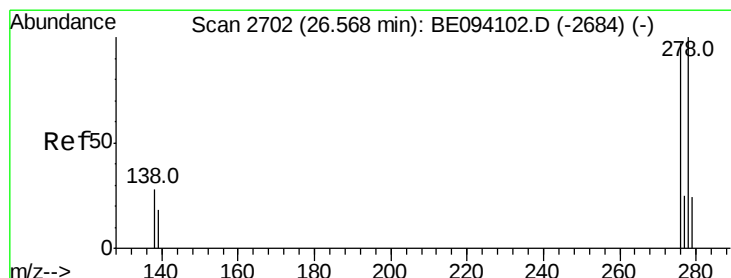
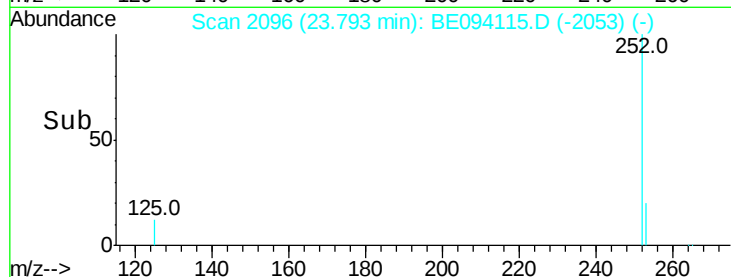
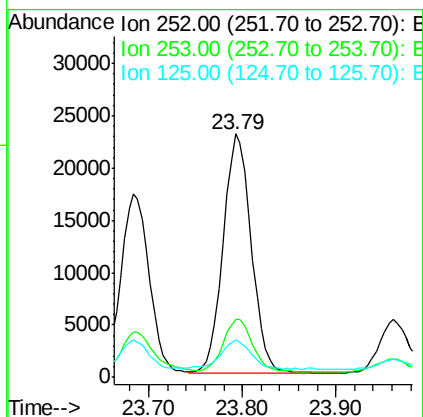
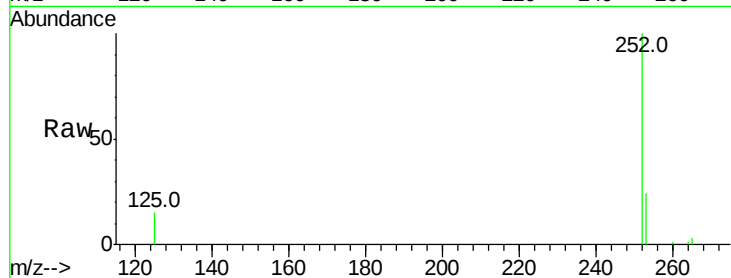




#37
Benzo(a)pyrene
Concen: 1.041 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

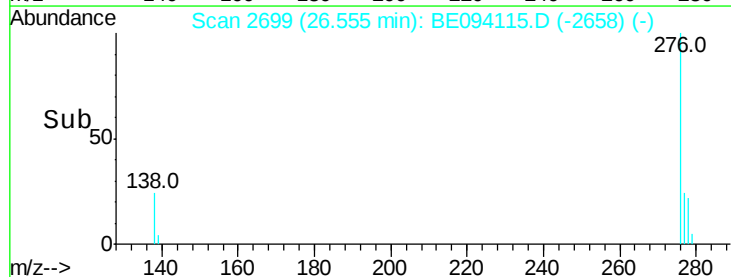
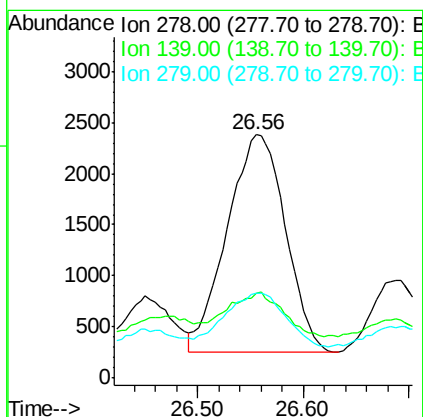
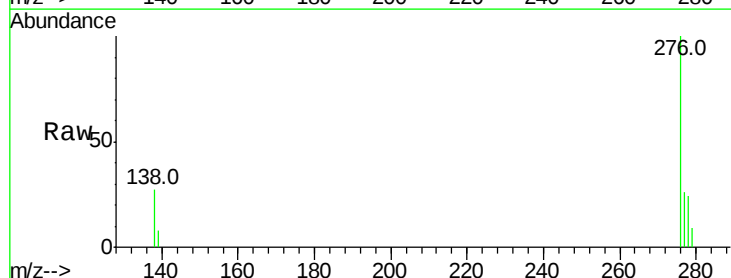
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 47525
Ion Ratio Lower Upper
252 100
253 23.7 19.0 28.6
125 15.3 11.8 17.8



#38
Dibenzo(a,h)anthracene
Concen: 0.188 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion:278 Resp: 8117
Ion Ratio Lower Upper
278 100
139 34.9 16.3 24.5#
279 35.1 19.9 29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.779 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

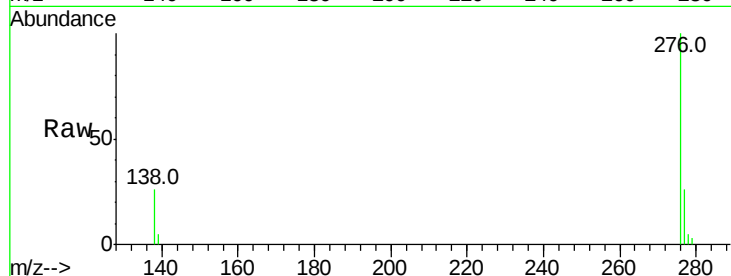
Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 33330

Ion Ratio Lower Upper

276 100

277 26.0 20.8 31.2

138 26.5 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

