

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094123.D
 Acq On : 26 Sep 2017 9:09
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 15:48:44 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	1439	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7478	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4807	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	17150	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14127	0.40	ng	0.00
34) Perylene-d12	23.91	264	13425	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	2021	0.37	ng	0.00
5) Phenol-d6	7.09	99	3095	0.41	ng	0.00
8) Nitrobenzene-d5	9.06	82	2516	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	4830	0.42	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	927	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	6198	0.39	ng	0.00
25) Fluoranthene-d10	19.27	212	61927	0.37	ng	0.00
29) Terphenyl-d14	19.85	244	10820	0.42	ng	0.00

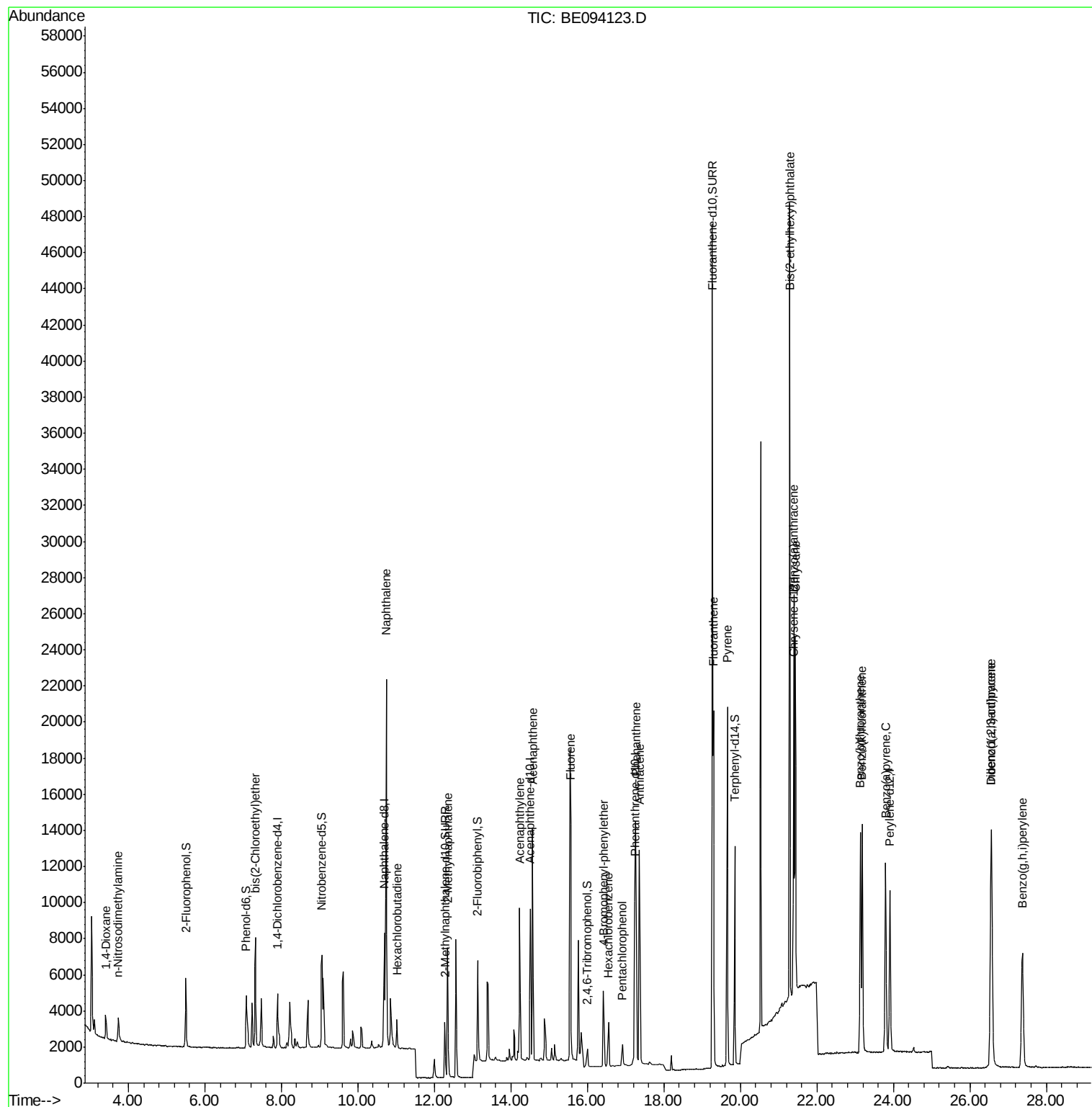
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	1050	0.374	ng	96
3) n-Nitrosodimethylamine	3.73	42	1138	0.318	ng	# 95
6) bis(2-Chloroethyl)ether	7.33	93	2290	0.390	ng	98
9) Naphthalene	10.74	128	33527	0.397	ng	100
10) Hexachlorobutadiene	11.03	225	1204	0.380	ng	98
12) 2-Methylnaphthalene	12.35	142	5746	0.420	ng	98
16) Acenaphthylene	14.23	152	9777	0.406	ng	100
17) Acenaphthene	14.57	154	6481	0.430	ng	98
18) Fluorene	15.56	166	8599	0.421	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	3303	0.469	ng	98
21) Hexachlorobenzene	16.55	284	2478	0.558	ng	95
22) Pentachlorophenol	16.91	266	1193	0.293	ng	# 71
23) Phenanthrene	17.27	178	20312	0.463	ng	99
24) Anthracene	17.37	178	18078	0.393	ng	99
26) Fluoranthene	19.30	202	18572	0.378	ng	100
28) Pyrene	19.66	202	19553	0.437	ng	99
30) Benzo(a)anthracene	21.38	228	18646	0.392	ng	98
31) Chrysene	21.44	228	18100	0.394	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	51482	0.186	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	18474	0.376	ng	100
35) Benzo(b)fluoranthene	23.14	252	17815	0.368	ng	96
36) Benzo(k)fluoranthene	23.19	252	17247	0.372	ng	97
37) Benzo(a)pyrene	23.80	252	16835	0.385	ng	96
38) Dibenzo(a,h)anthracene	26.57	278	15761	0.380	ng	96
39) Benzo(g,h,i)perylene	27.37	276	15657	0.382	ng	99

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

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ALS Vial : 2 Sample Multiplier: 1

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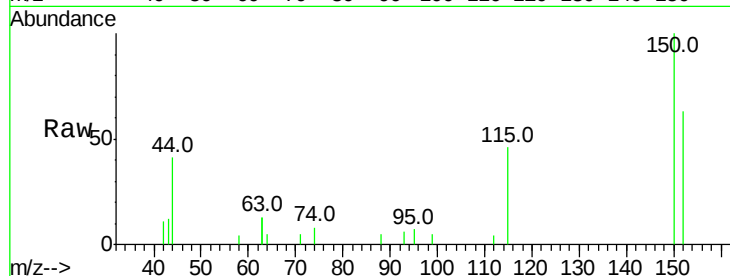


#1

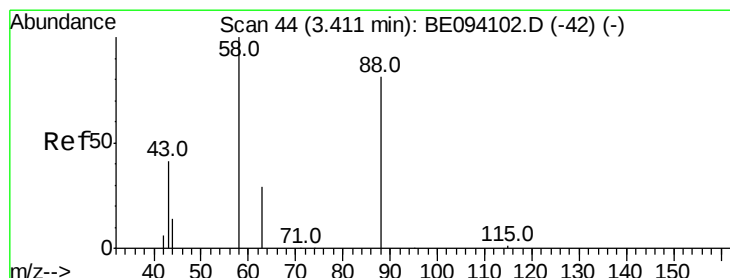
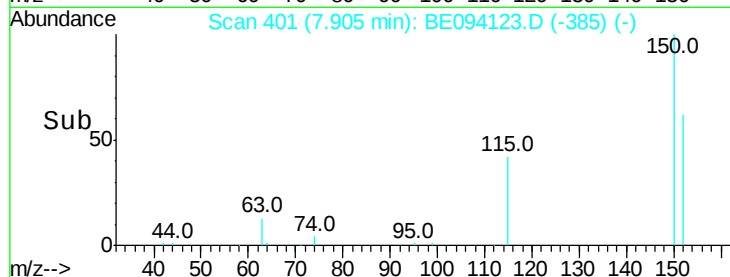
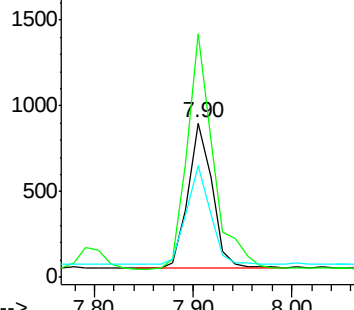
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094123.D
Acq: 26 Sep 2017 9:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1439
Ion Ratio Lower Upper
152 100
150 157.6 117.2 175.8
115 72.6 57.0 85.6



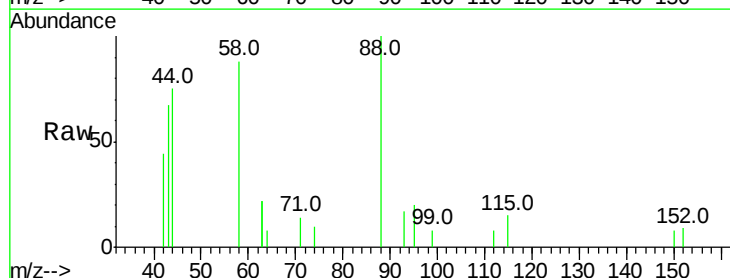
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



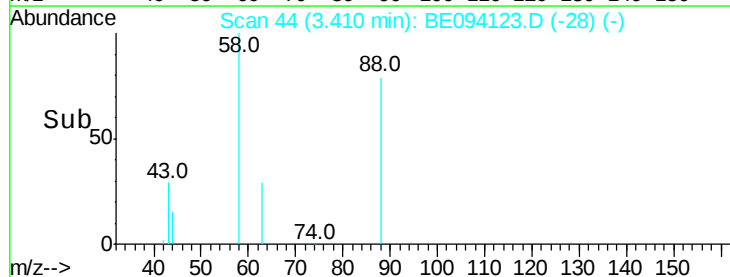
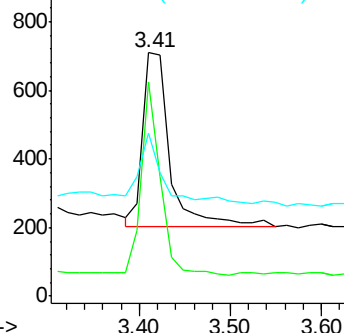
#2

1,4-Dioxane
Concen: 0.374 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE094123.D
Acq: 26 Sep 2017 9:09

Tgt Ion: 88 Resp: 1050
Ion Ratio Lower Upper
88 100
58 76.5 63.2 94.8
43 47.0 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: 0.318 ng

RT: 3.73 min Scan# 69

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

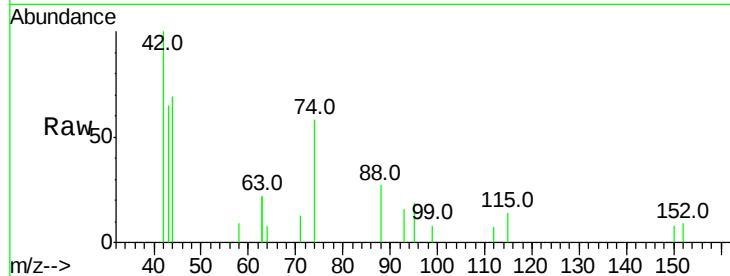
Tot Ion: 42 Resp: 1138

Ion Ratio Lower Upper

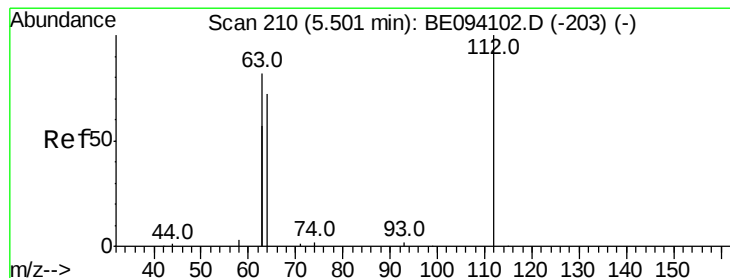
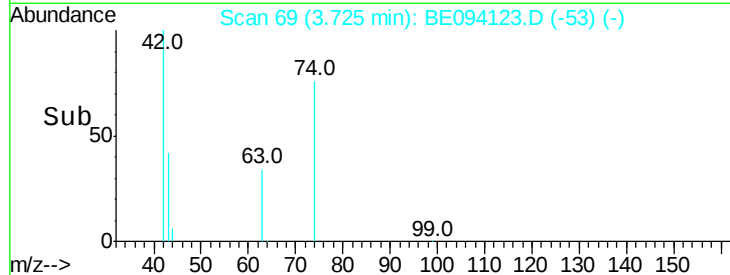
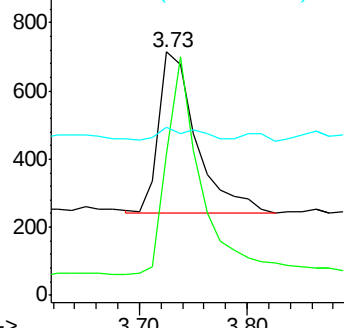
42 100

74 127.0 100.3 150.5

44 7.5 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: 0.370 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

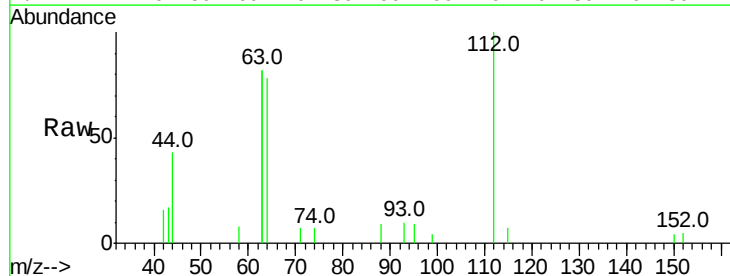
Tgt Ion: 112 Resp: 2021

Ion Ratio Lower Upper

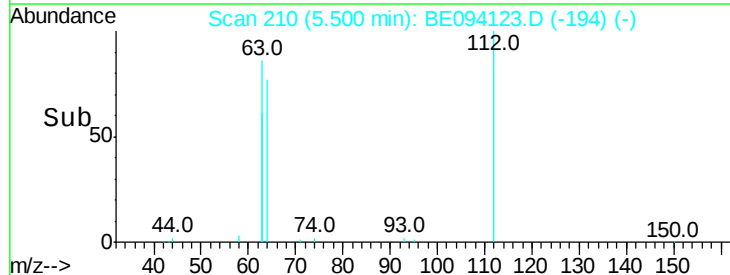
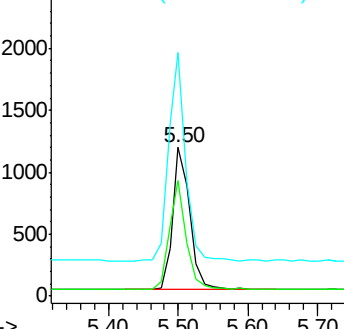
112 100

64 75.3 60.1 90.1

63 143.3 116.8 175.2



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: 0.408 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

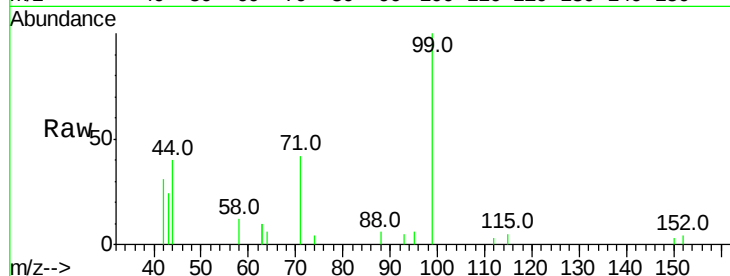
Tot Ion: 99 Resp: 3095

Ion Ratio Lower Upper

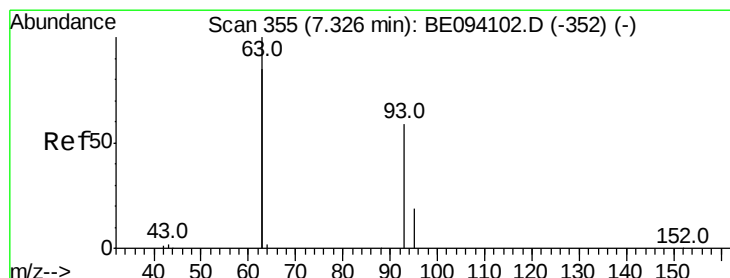
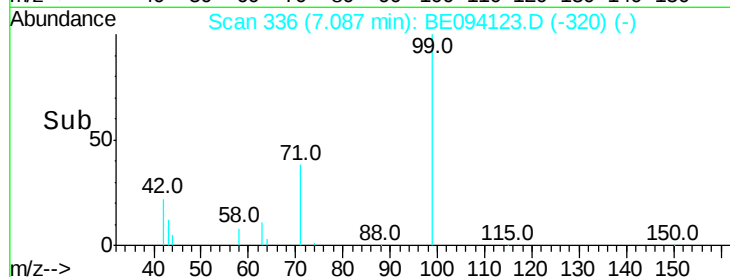
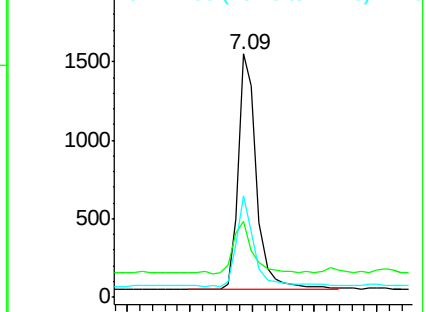
99 100

42 25.0 20.2 30.2

71 36.3 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: 0.390 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

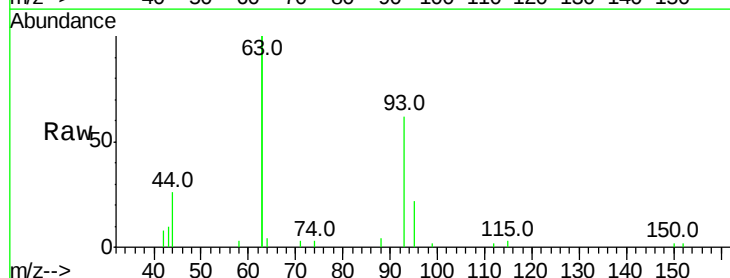
Tgt Ion: 93 Resp: 2290

Ion Ratio Lower Upper

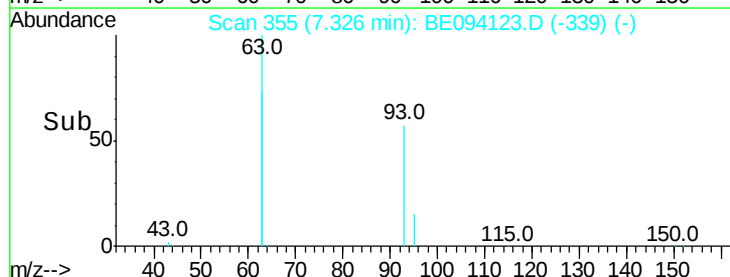
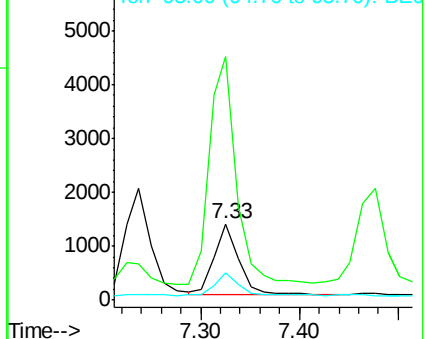
93 100

63 349.5 275.3 412.9

95 31.4 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: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7478

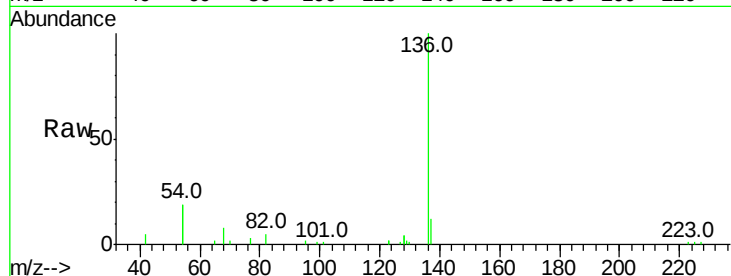
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 38.7 29.1 43.7

68 7.6 6.2 9.2

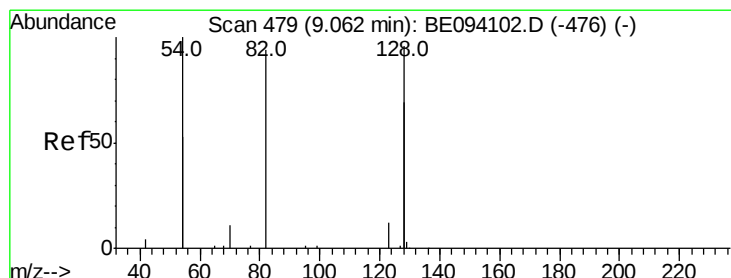
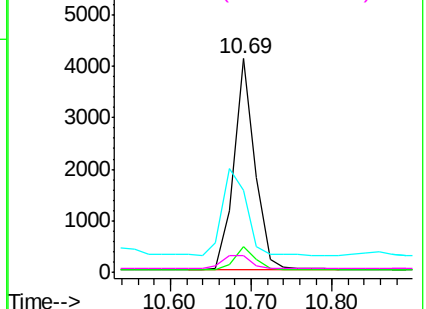
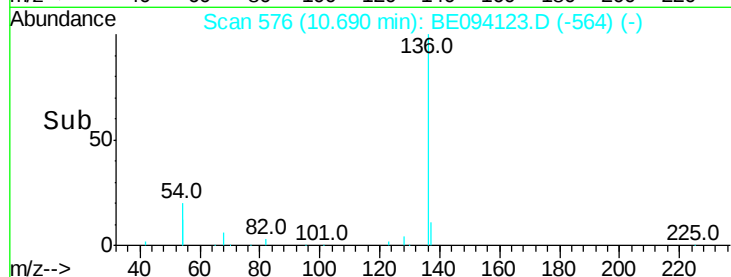


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

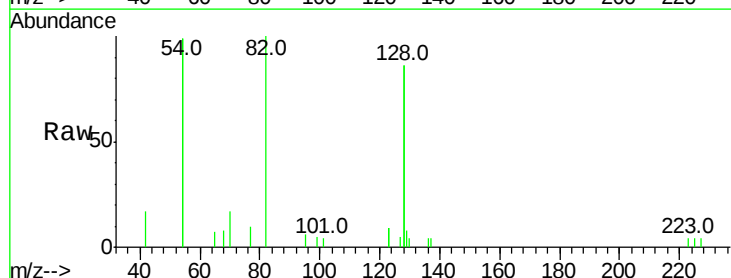
Tgt Ion: 82 Resp: 2516

Ion Ratio Lower Upper

82 100

128 171.6 150.0 225.0

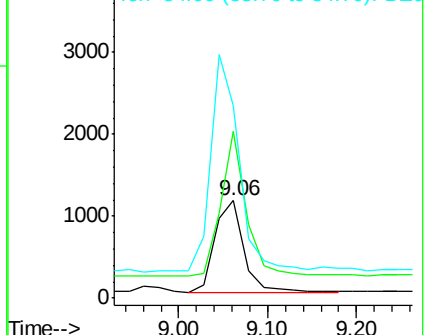
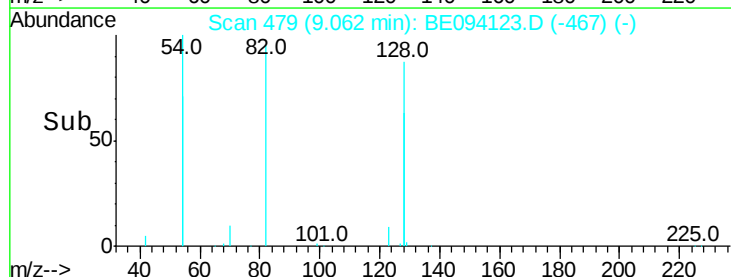
54 198.1 154.2 231.4



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: 0.397 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampled :

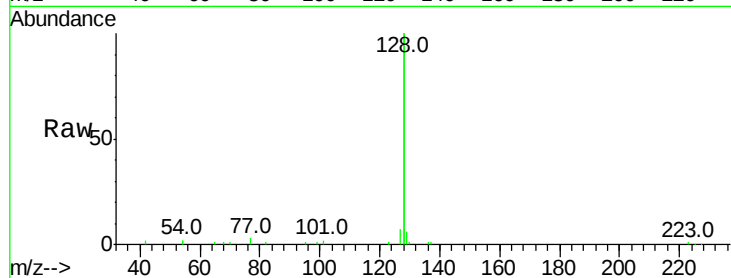
Tot Ion:128 Resp: 33527

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

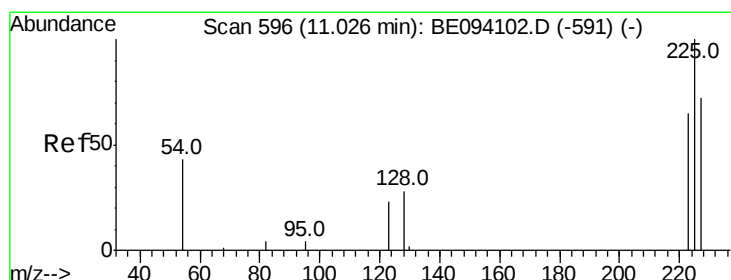
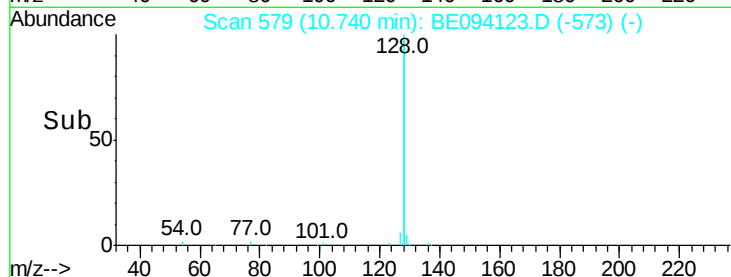
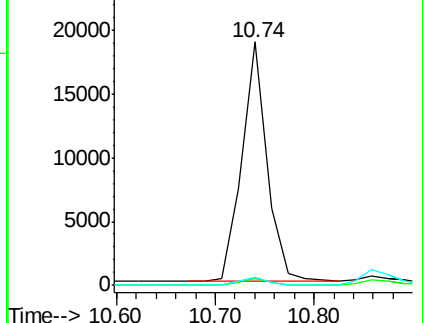
127 3.5 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.380 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

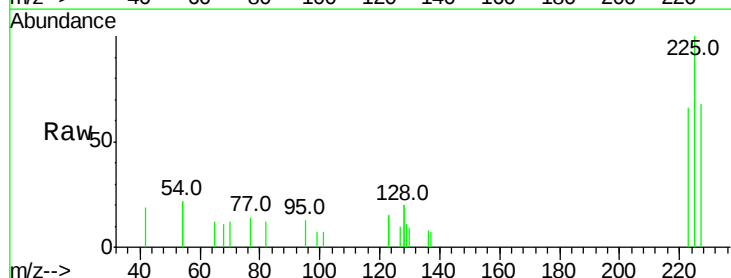
Tgt Ion:225 Resp: 1204

Ion Ratio Lower Upper

225 100

223 63.8 53.0 79.6

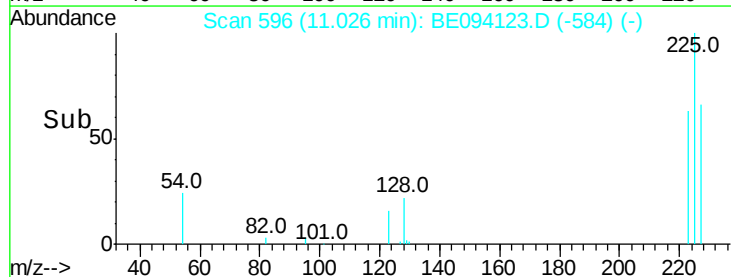
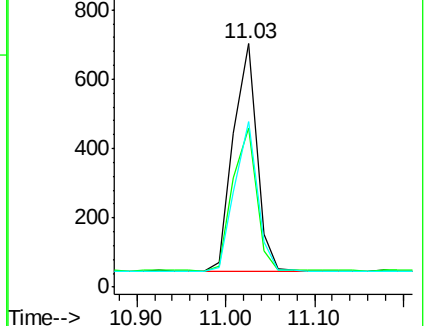
227 64.5 51.4 77.2



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: 0.419 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

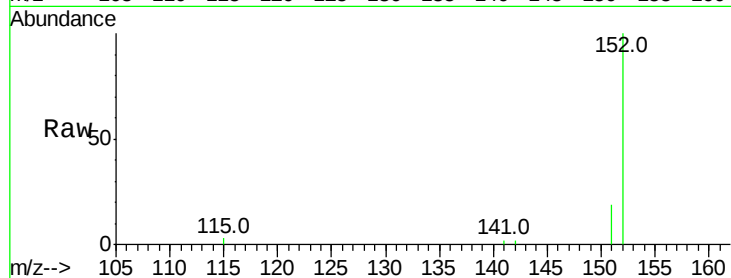
ClientSampleId :

Tot Ion:152 Resp: 4830

Ion Ratio Lower Upper

152 100

151 18.9 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

3000

2500

2000

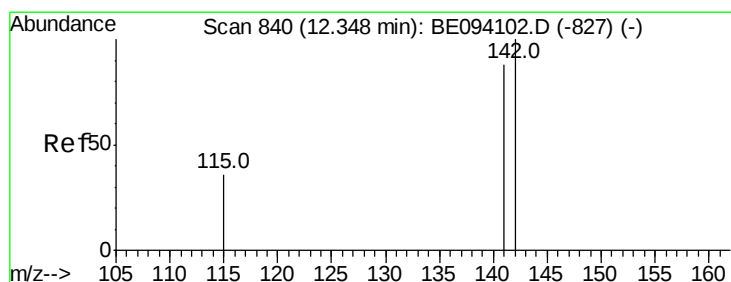
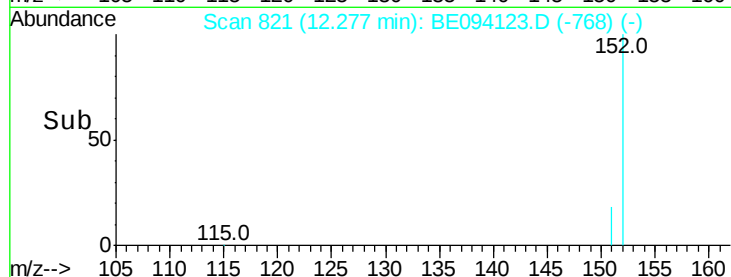
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.420 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

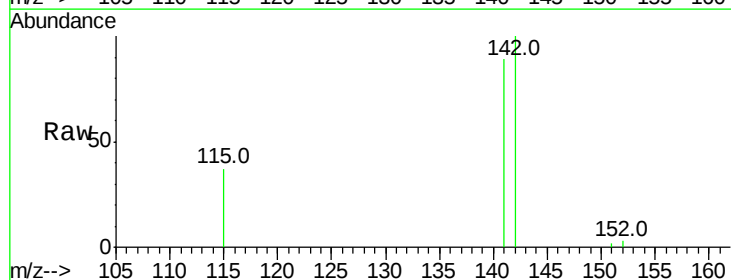
Tgt Ion:142 Resp: 5746

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

115 37.3 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

12.35

4000

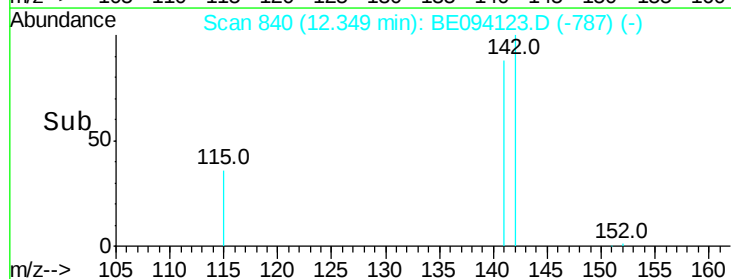
3000

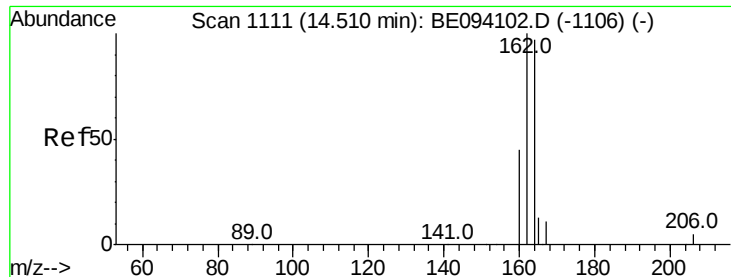
2000

1000

0

Time--> 12.30 12.40 12.50





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

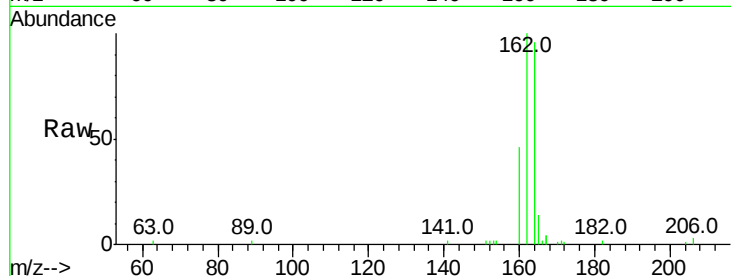
Tot Ion:164 Resp: 4807

Ion Ratio Lower Upper

164 100

162 103.9 83.1 124.7

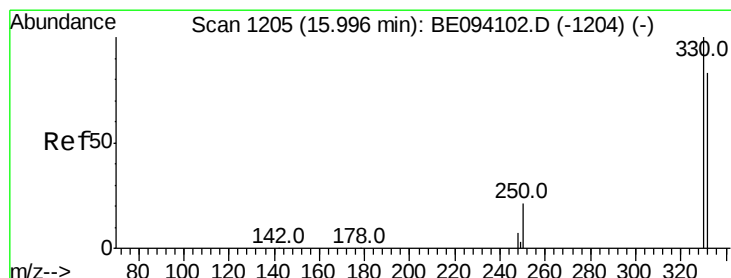
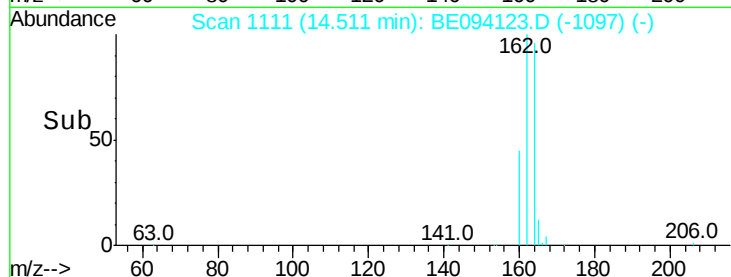
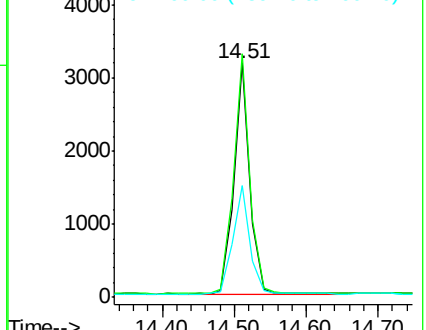
160 47.8 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.329 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

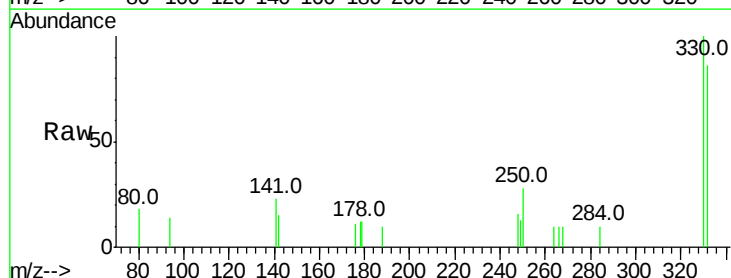
Tgt Ion:330 Resp: 927

Ion Ratio Lower Upper

330 100

332 87.8 152.7 229.1#

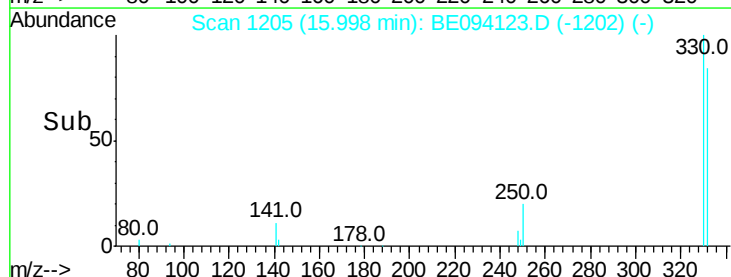
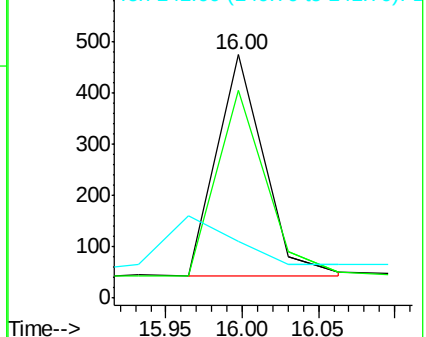
141 0.0 33.7 50.5#

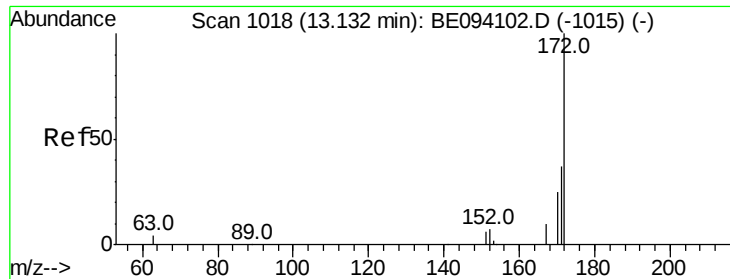


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

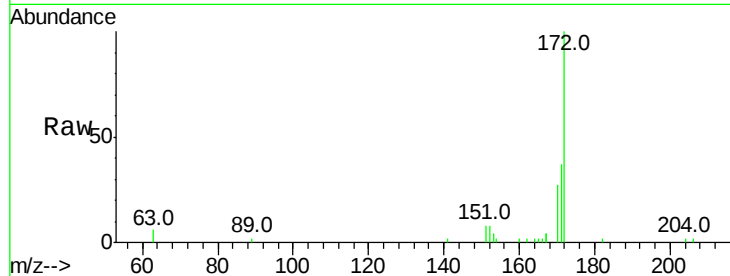




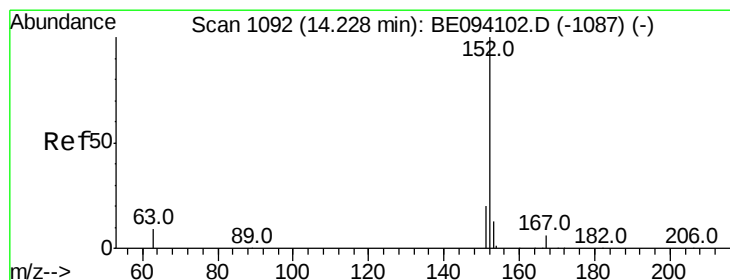
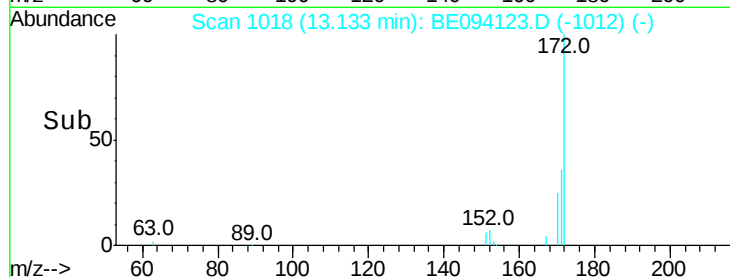
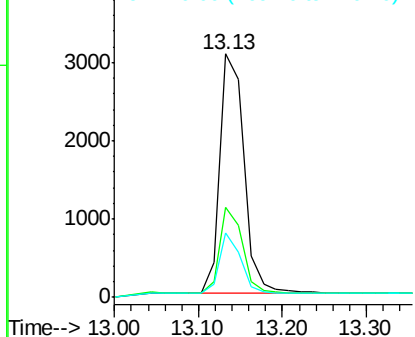
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094123.D
Acq: 26 Sep 2017 9:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6198
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 26.6 21.8 32.8

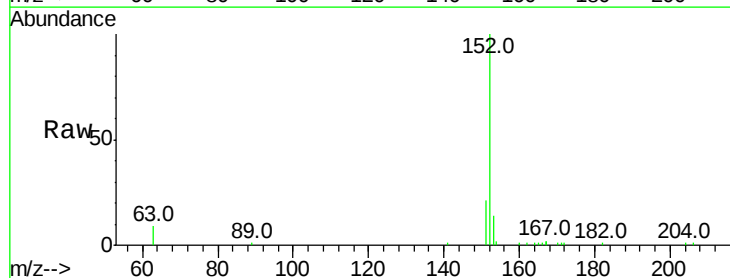


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

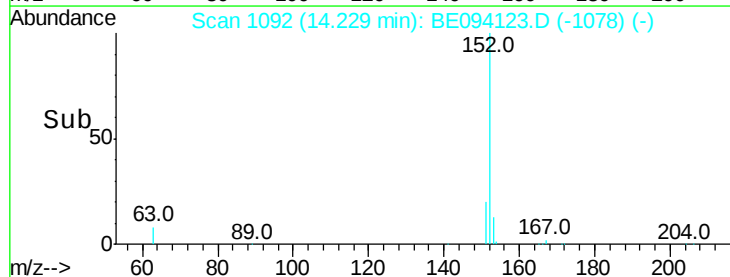
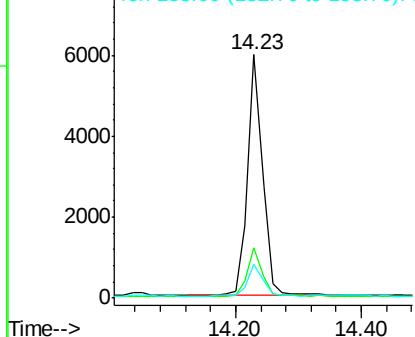


#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094123.D
Acq: 26 Sep 2017 9:09

Tgt Ion:152 Resp: 9777
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 12.8 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: 0.430 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

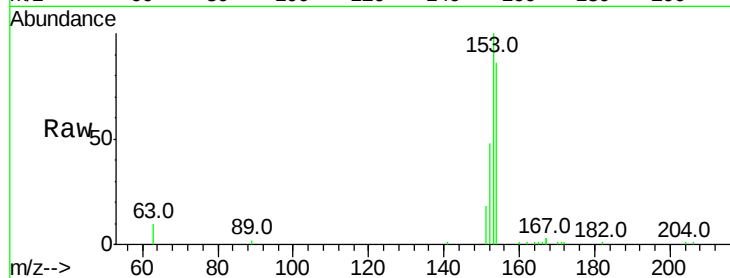
Tot Ion:154 Resp: 6481

Ion Ratio Lower Upper

154 100

153 113.4 89.2 133.8

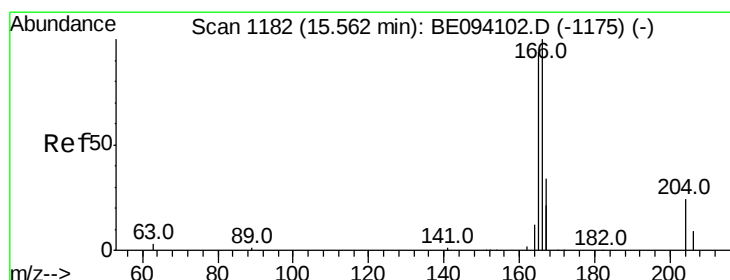
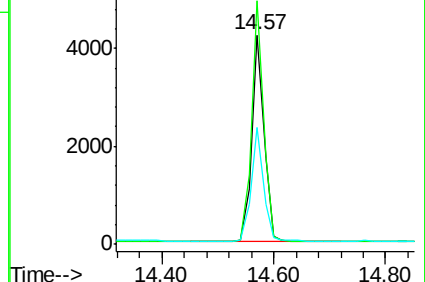
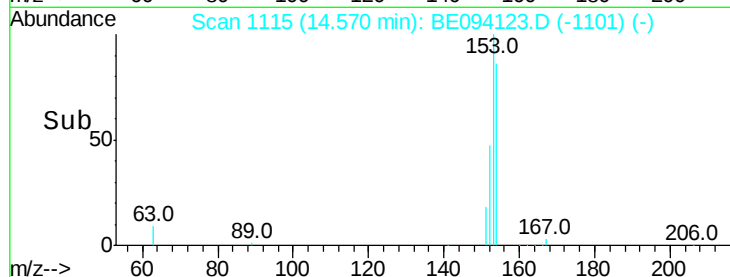
152 54.5 42.0 63.0



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: 0.421 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

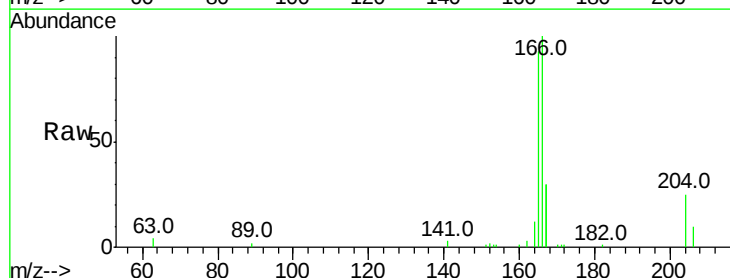
Tgt Ion:166 Resp: 8599

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

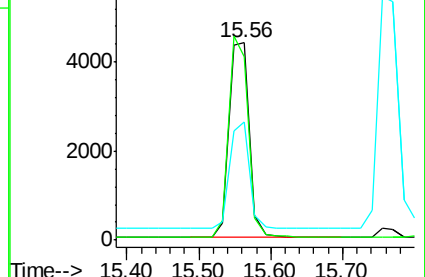
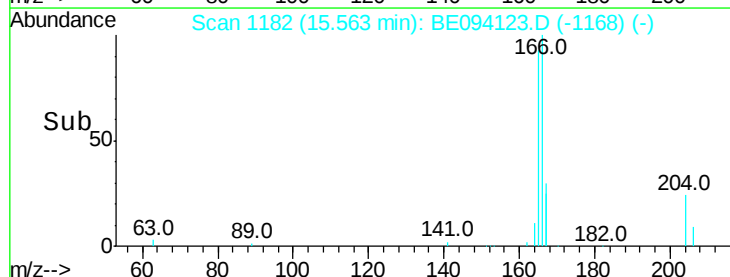
167 53.0 42.4 63.6

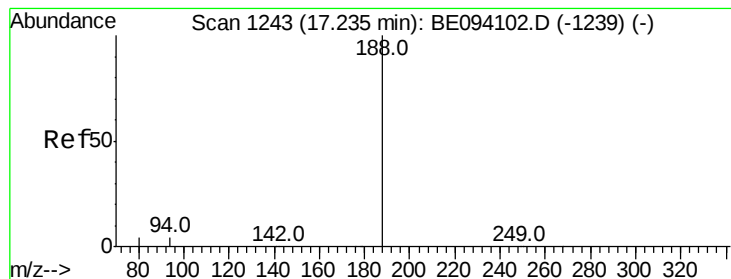


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

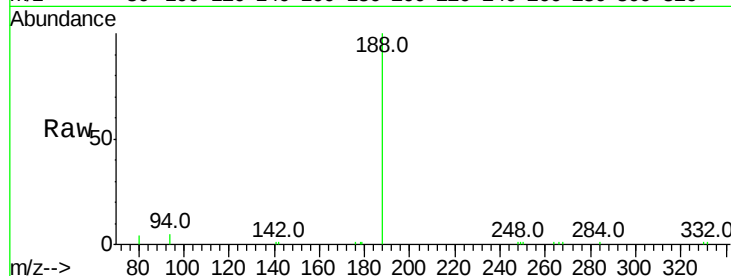
Tot Ion:188 Resp: 17150

Ion Ratio Lower Upper

188 100

94 4.9 3.9 5.9

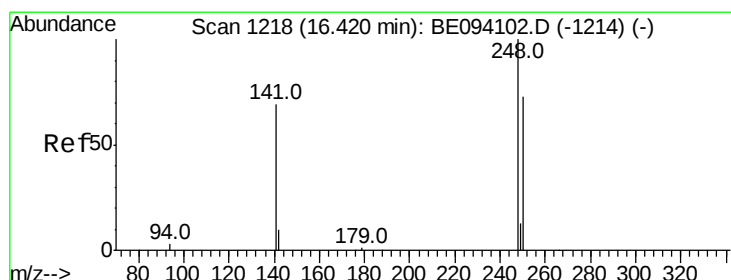
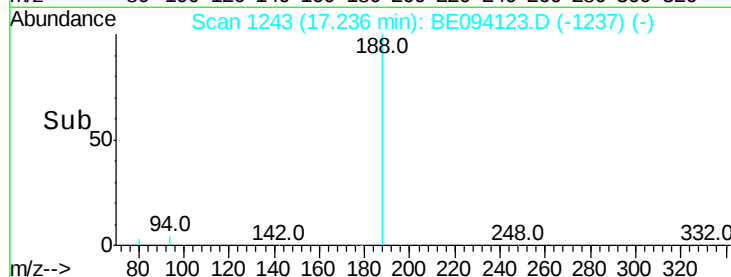
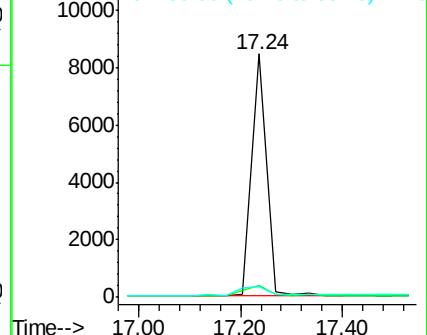
80 4.4 3.6 5.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.469 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

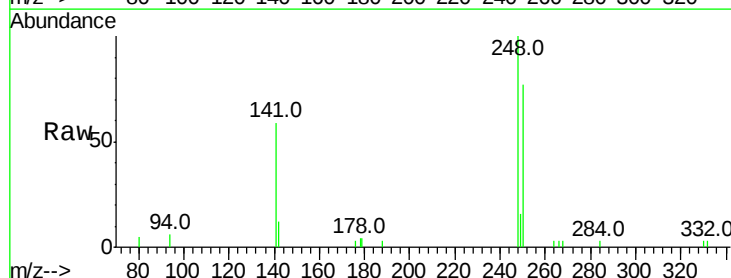
Tgt Ion:248 Resp: 3303

Ion Ratio Lower Upper

248 100

250 76.8 62.7 94.1

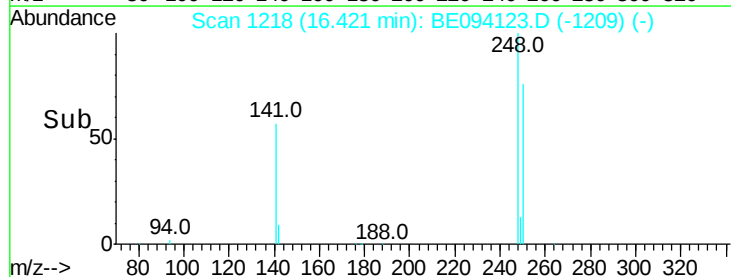
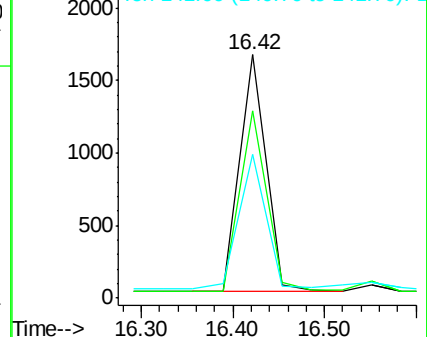
141 59.1 48.2 72.2

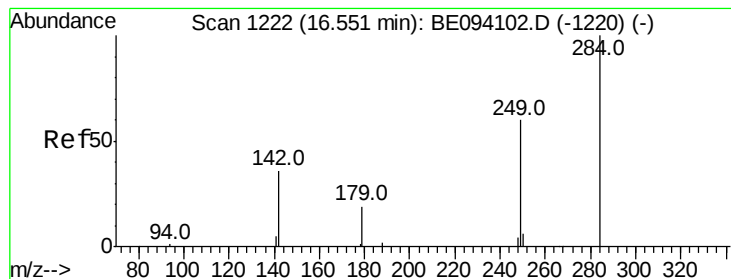


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.558 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

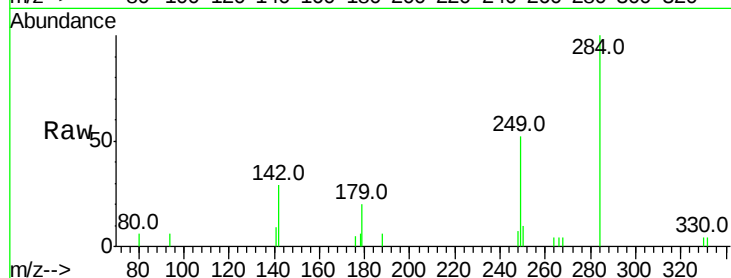
Tot Ion:284 Resp: 2478

Ion Ratio Lower Upper

284 100

142 30.1 22.1 33.1

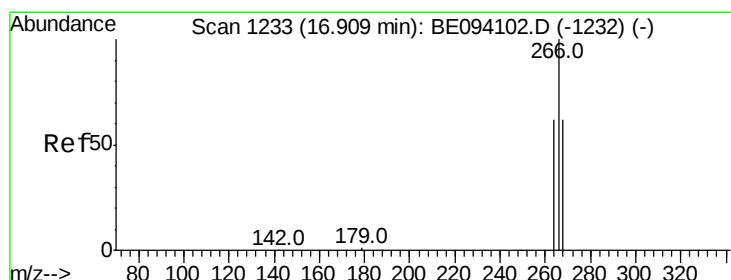
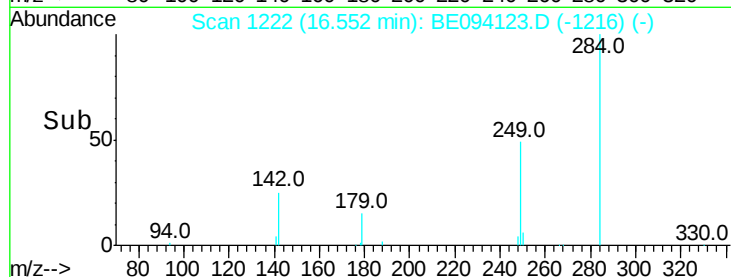
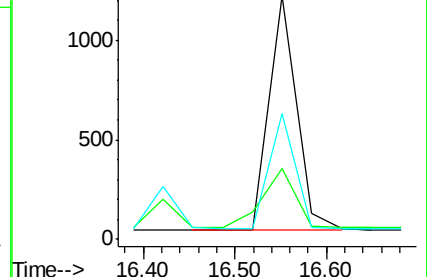
249 46.3 34.8 52.2



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: 0.293 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

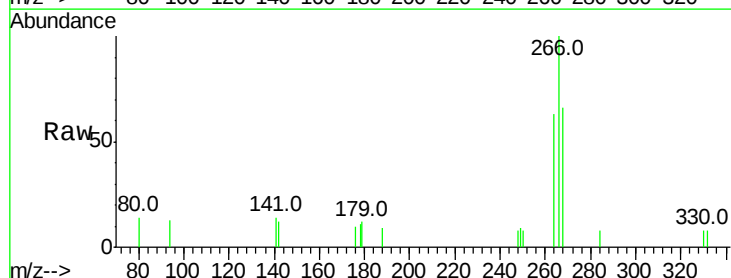
Tgt Ion:266 Resp: 1193

Ion Ratio Lower Upper

266 100

264 62.9 72.5 108.7#

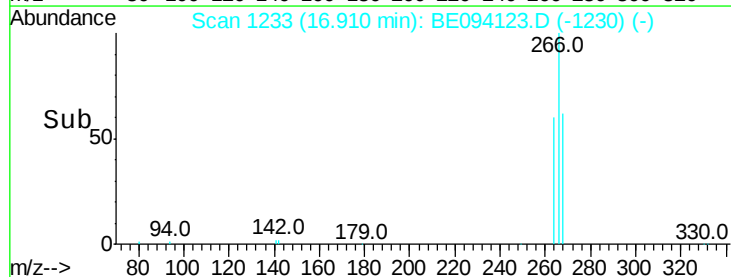
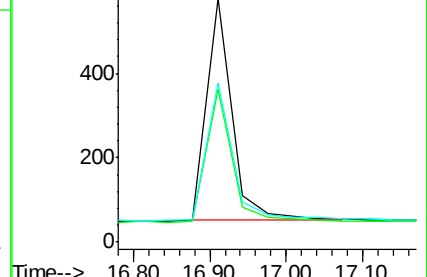
268 65.5 73.8 110.6#



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: 0.463 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampled :

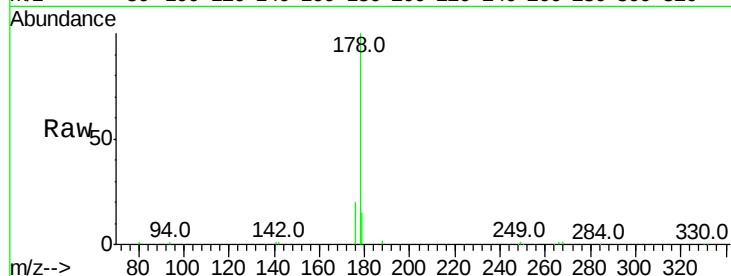
Tot Ion:178 Resp: 20312

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

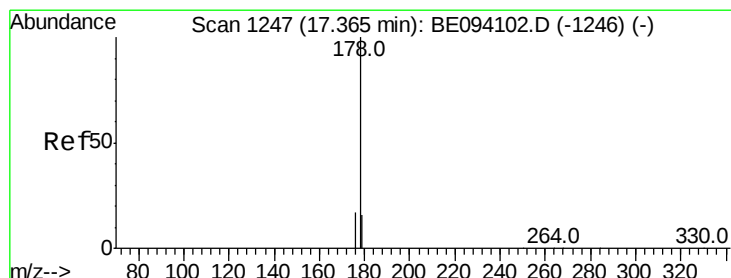
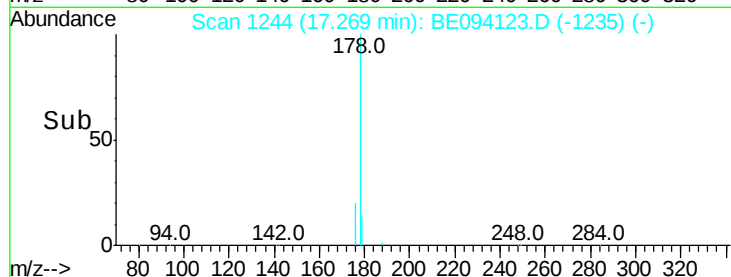
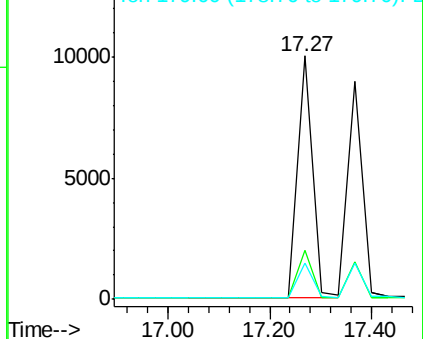
179 14.7 11.8 17.6



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: 0.393 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

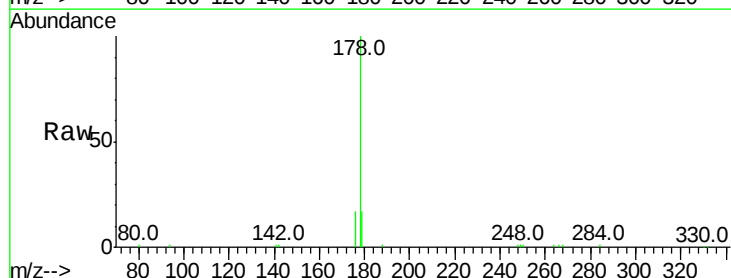
Tgt Ion:178 Resp: 18078

Ion Ratio Lower Upper

178 100

176 16.8 12.8 19.2

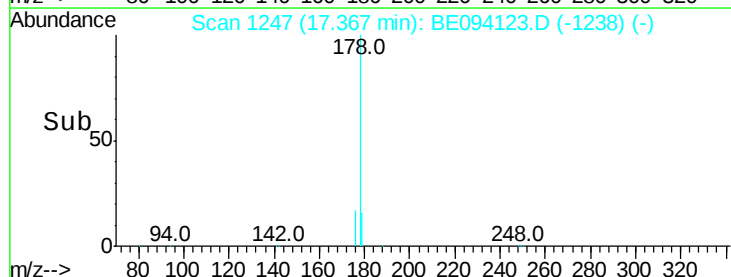
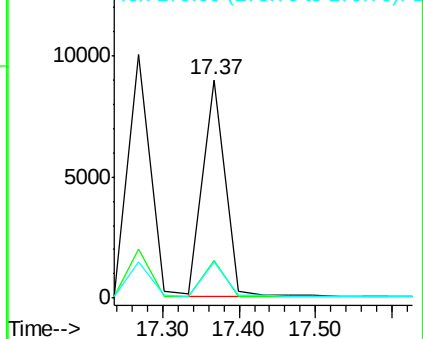
179 16.3 13.0 19.6



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: 0.373 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampled :

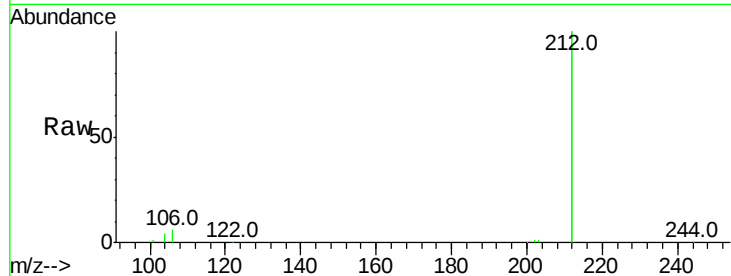
Tot Ion:212 Resp: 61927

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

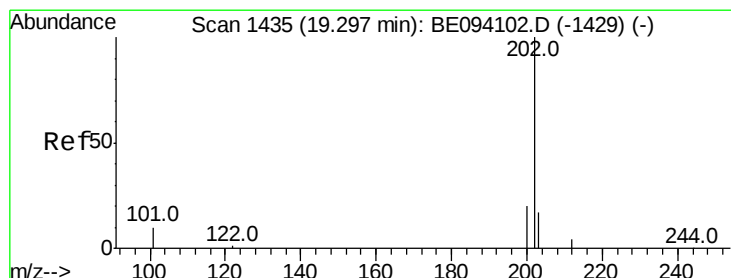
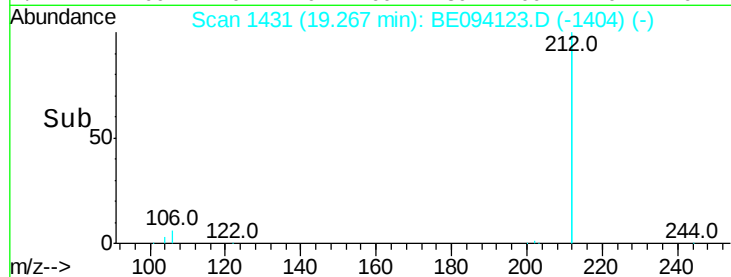
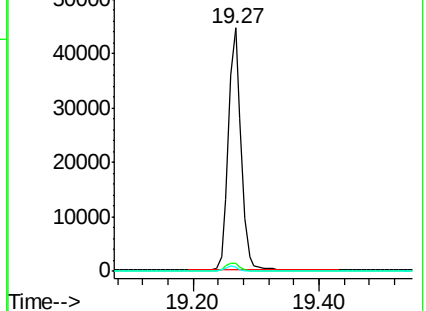
104 2.1 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.378 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

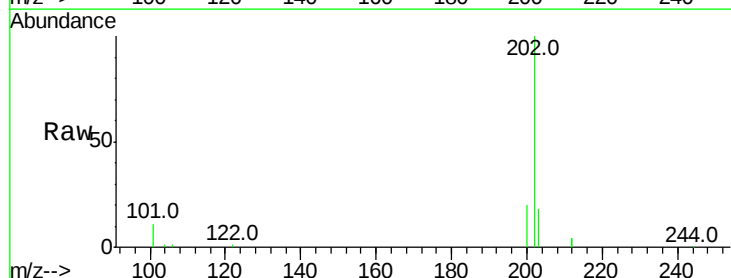
Tgt Ion:202 Resp: 18572

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

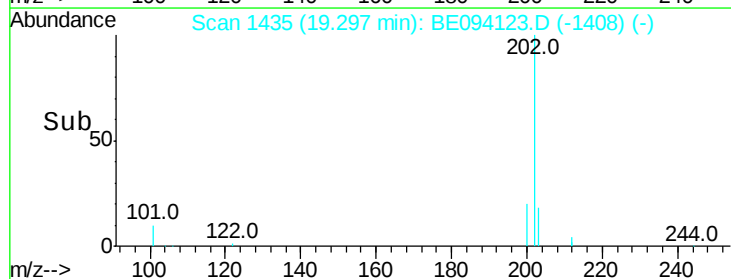
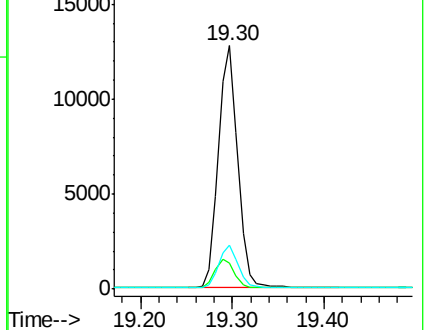
203 17.2 13.7 20.5



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

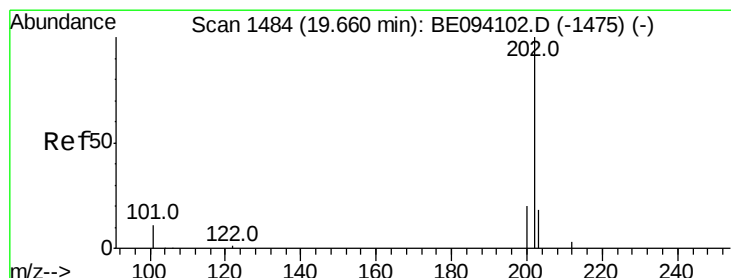
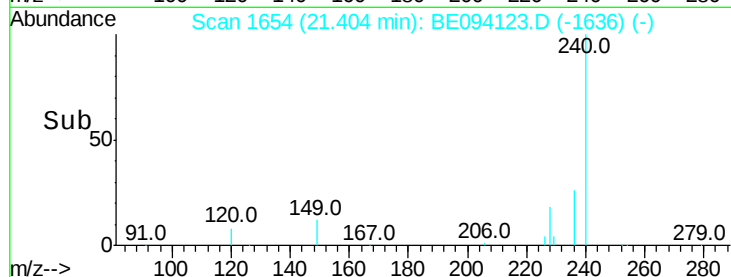
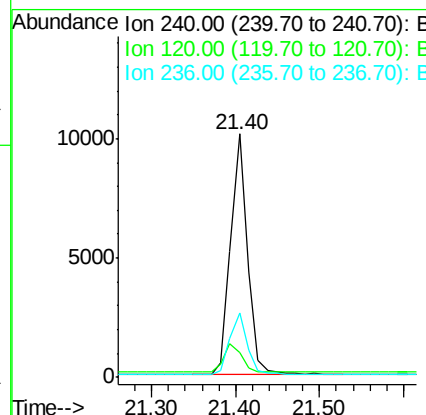
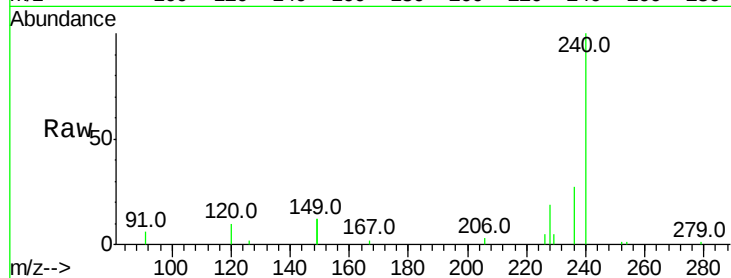




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094123.D
 Acq: 26 Sep 2017 9:09

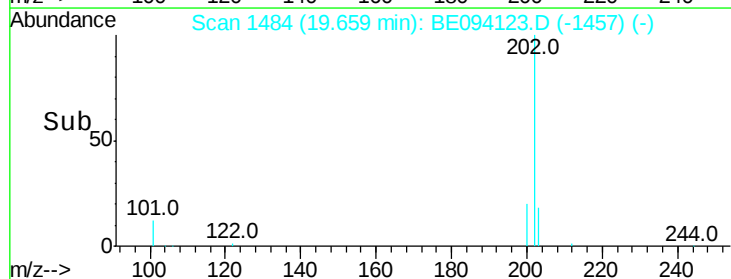
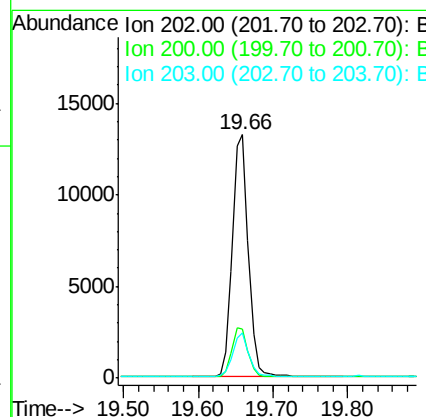
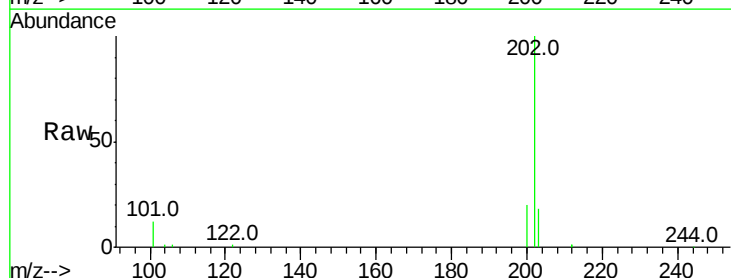
Instrument :
 BNA_E
 ClientSampleId :

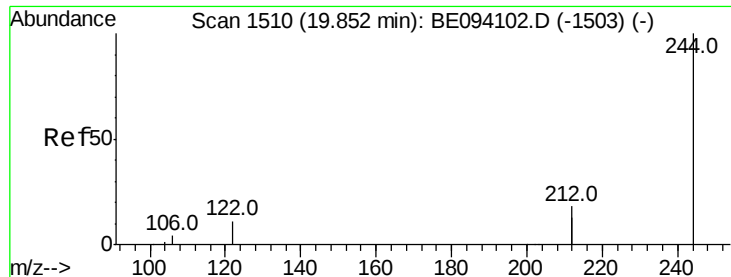
Tot Ion:240 Resp: 14127
 Ion Ratio Lower Upper
 240 100
 120 9.9 5.5 8.3#
 236 26.6 20.7 31.1



#28
 Pyrene
 Concen: 0.437 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BE094123.D
 Acq: 26 Sep 2017 9:09

Tgt Ion:202 Resp: 19553
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 25.0
 203 17.8 13.8 20.8





#29

Terphenyl-d14

Concen: 0.420 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampled :

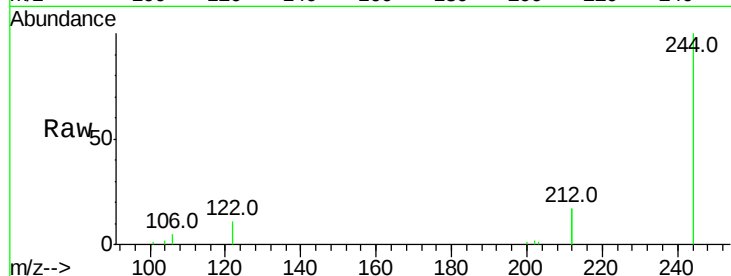
Tot Ion:244 Resp: 10820

Ion Ratio Lower Upper

244 100

212 33.5 25.4 38.0

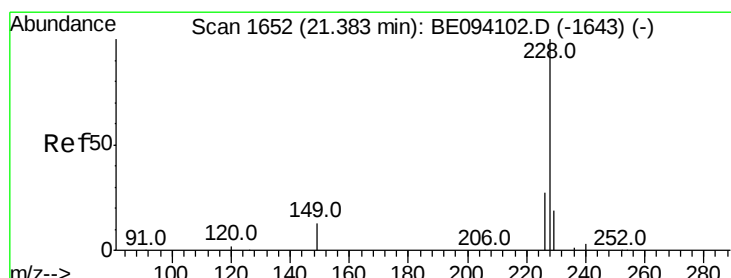
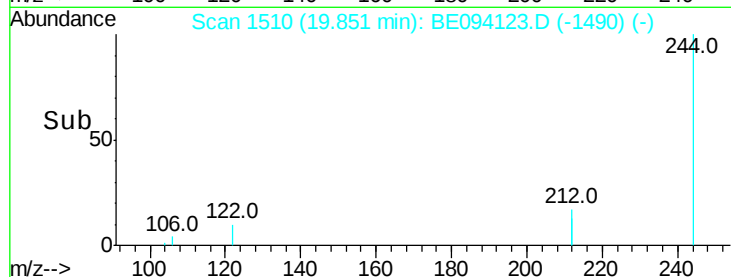
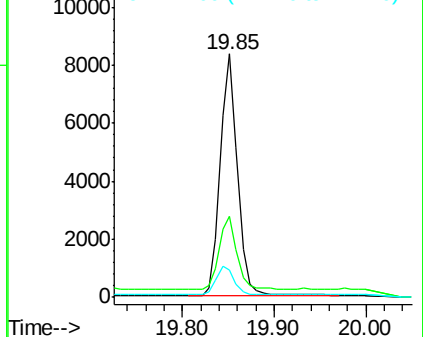
122 11.3 8.1 12.1



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: 0.392 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

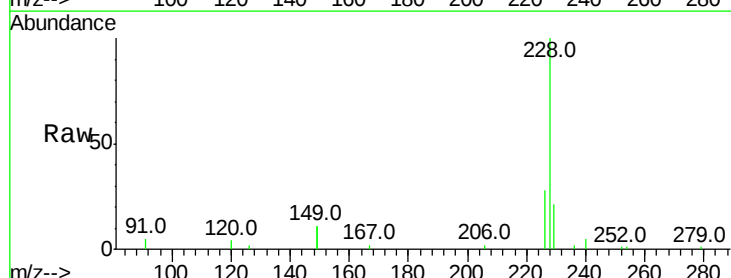
Tgt Ion:228 Resp: 18646

Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.0

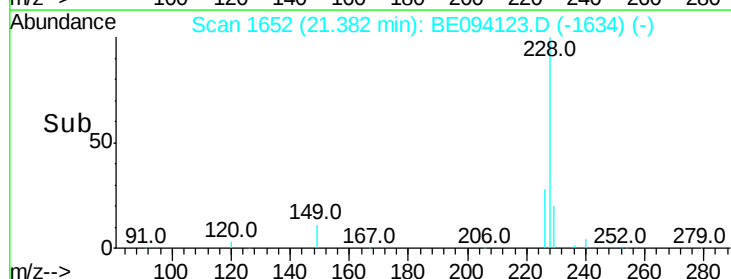
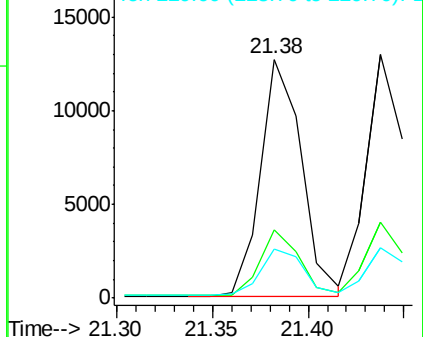
229 20.6 16.4 24.6

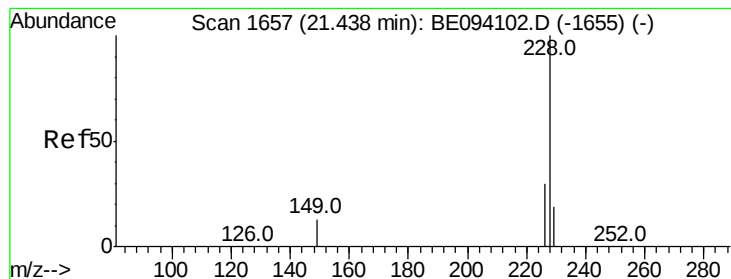


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.394 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

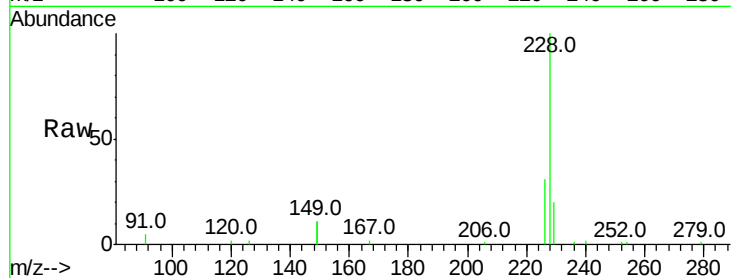
Tot Ion:228 Resp: 18100

Ion Ratio Lower Upper

228 100

226 31.0 23.6 35.4

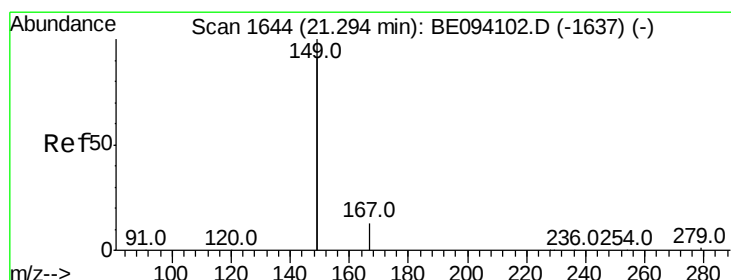
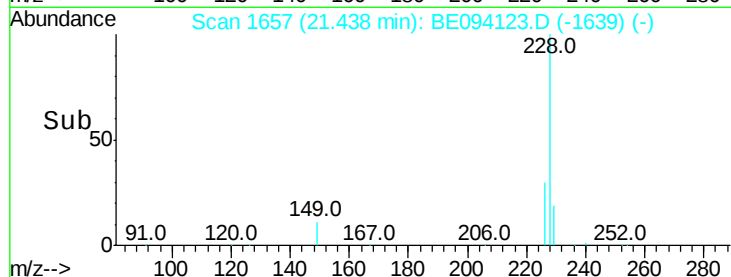
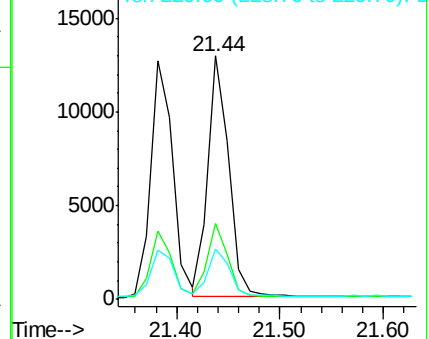
229 20.5 16.4 24.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.186 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

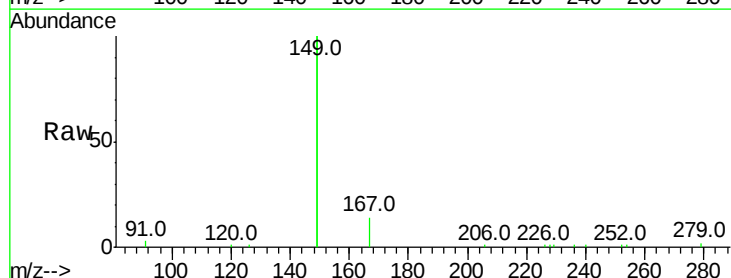
Tgt Ion:149 Resp: 51482

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

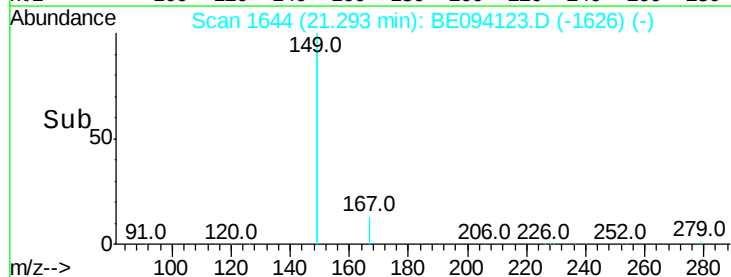
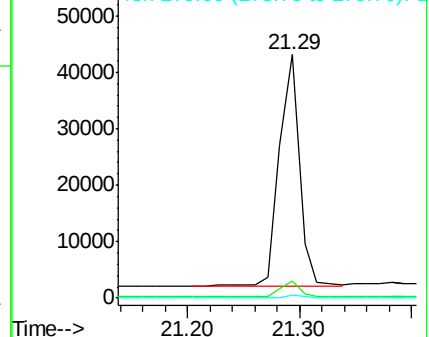
279 0.9 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

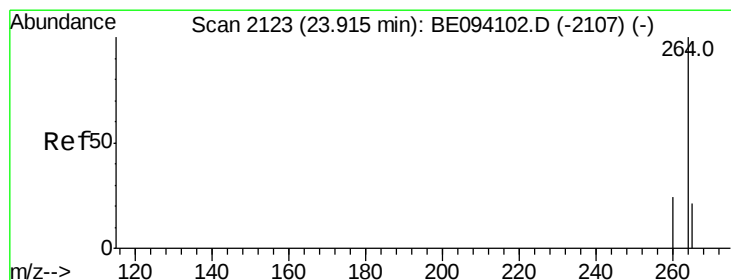
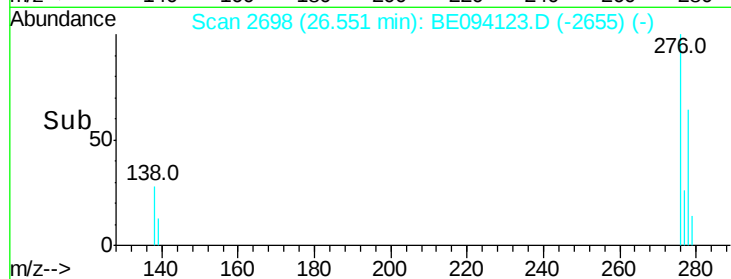
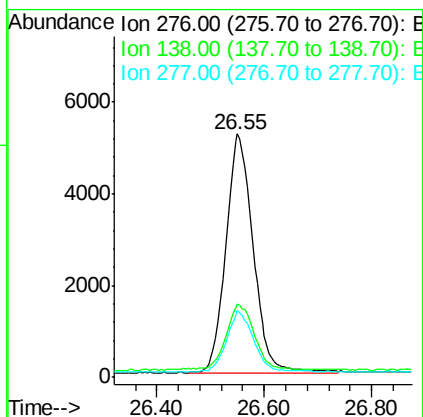
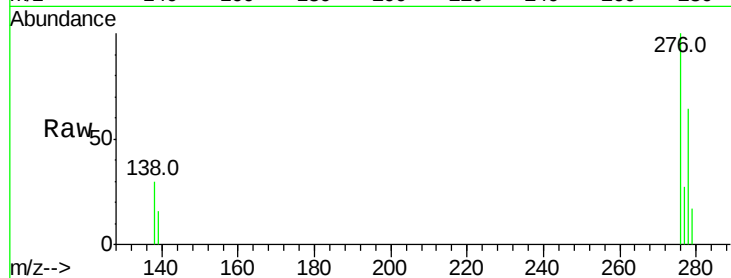




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.376 ng
 RT: 26.55 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE094123.D
 Acq: 26 Sep 2017 9:09

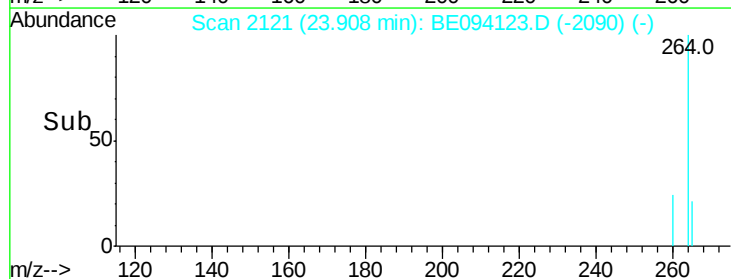
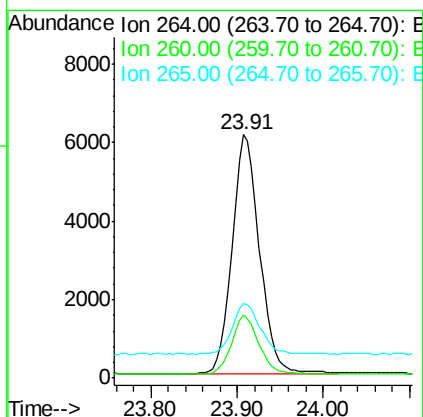
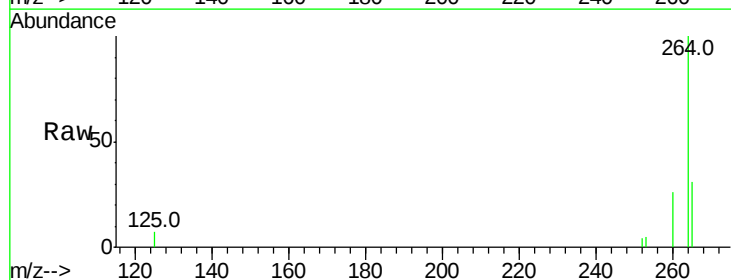
Instrument :
 BNA_E
 ClientSampleId :

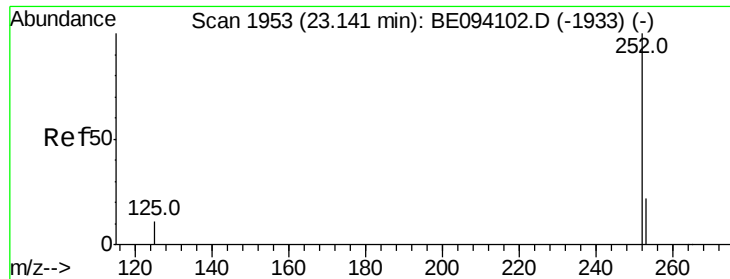
Tot Ion:276 Resp: 18474
 Ion Ratio Lower Upper
 276 100
 138 27.8 22.5 33.7
 277 24.7 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BE094123.D
 Acq: 26 Sep 2017 9:09

Tgt Ion:264 Resp: 13425
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.5 30.7
 265 30.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.368 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

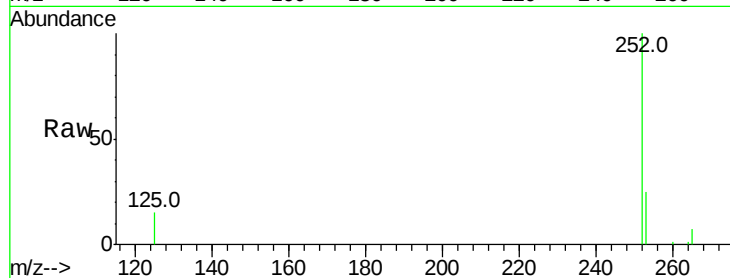
Tot Ion:252 Resp: 17815

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

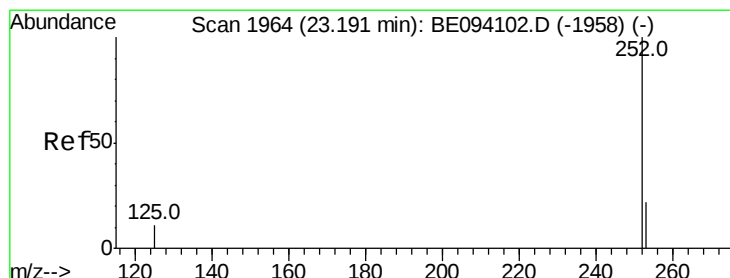
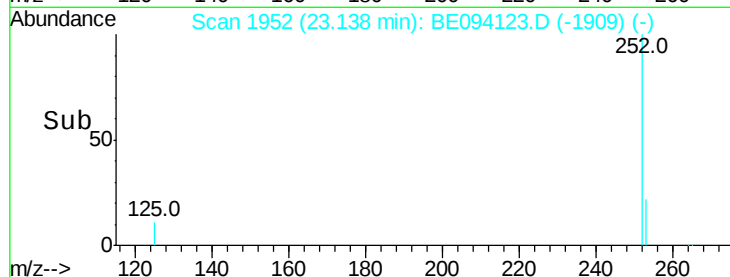
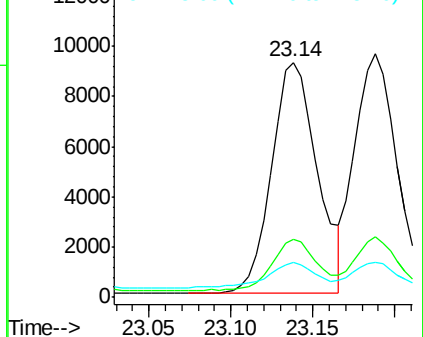
125 14.9 10.1 15.1



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: 0.372 ng

RT: 23.19 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

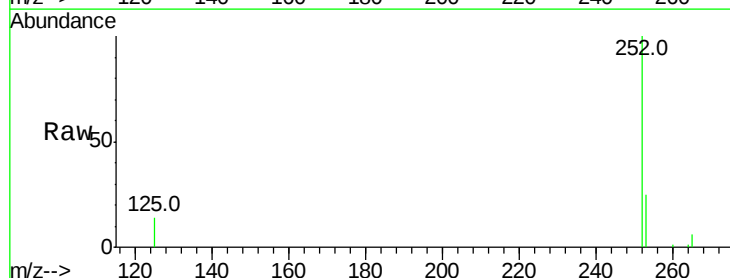
Tgt Ion:252 Resp: 17247

Ion Ratio Lower Upper

252 100

253 24.9 18.6 27.8

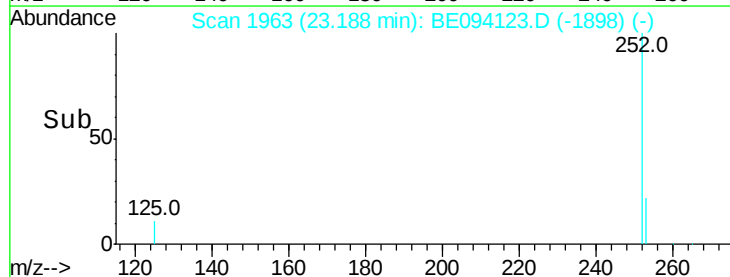
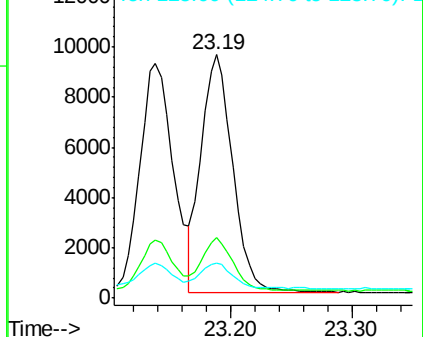
125 14.4 10.7 16.1



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: 0.385 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :

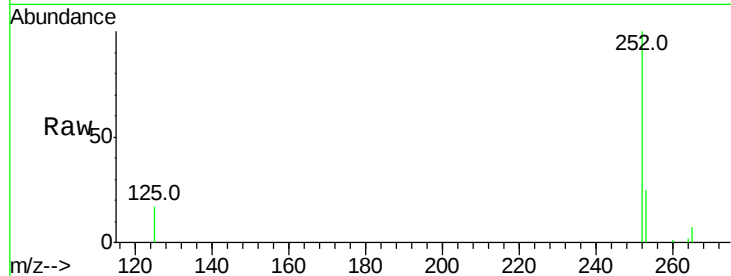
Tot Ion:252 Resp: 16835

Ion Ratio Lower Upper

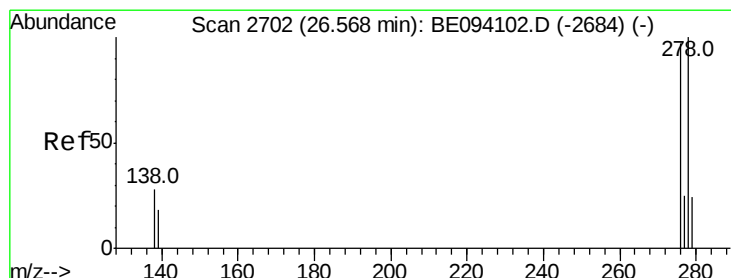
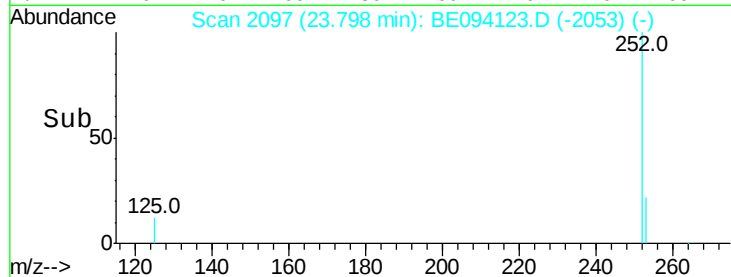
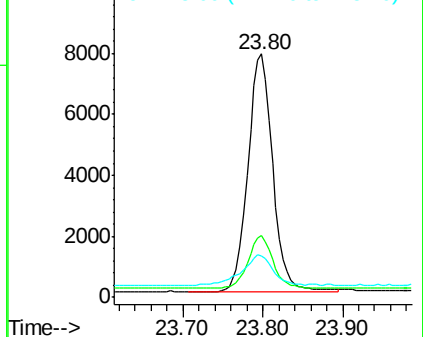
252 100

253 25.2 19.0 28.6

125 17.2 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: 0.380 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.00 min

Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

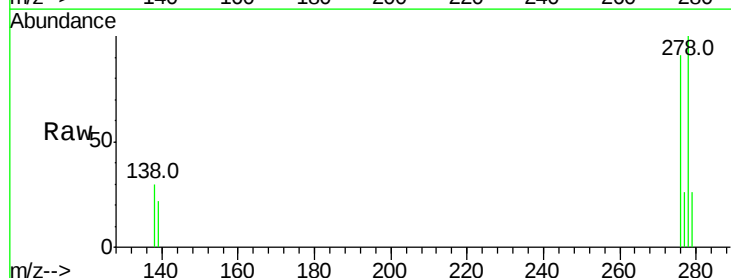
Tgt Ion:278 Resp: 15761

Ion Ratio Lower Upper

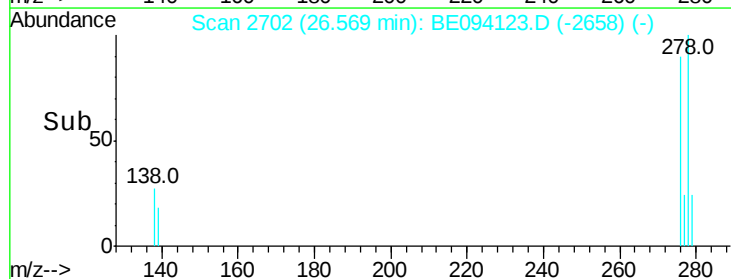
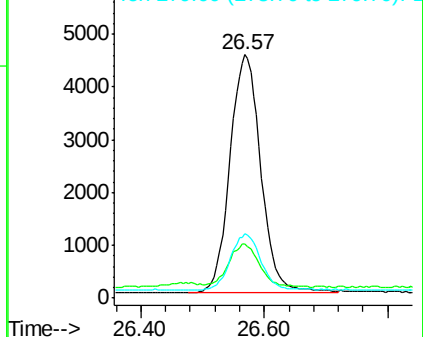
278 100

139 22.4 16.3 24.5

279 26.4 19.9 29.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.382 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

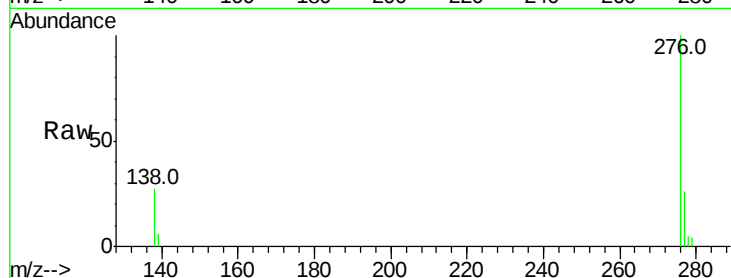
Lab File: BE094123.D

Acq: 26 Sep 2017 9:09

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 15657

Ion Ratio Lower Upper

276 100

277 25.8 20.8 31.2

138 27.4 21.5 32.3

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

