

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094081.D
 Acq On : 23 Sep 2017 17:00
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

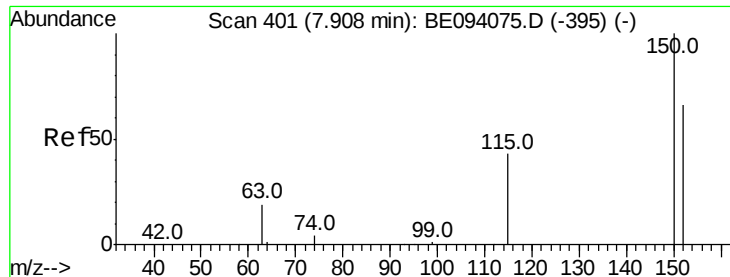
Quant Time: Sep 25 08:01:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 07:59:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	904	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	4414	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3055	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11325	0.40	ng	0.00
27) Chrysene-d12	21.40	240	17550	0.40	ng	0.00
34) Perylene-d12	23.90	264	13302	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1794	0.35	ng	0.00
5) Phenol-d6	7.09	99	1978	0.37	ng	0.00
8) Nitrobenzene-d5	9.06	82	1468	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	2895	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1294	0.56	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5083	0.51	ng	0.00
25) Fluoranthene-d10	19.26	212	59654	0.41	ng	0.00
29) Terphenyl-d14	19.85	244	11219	0.41	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	709	0.366	ng	# 91
3) n-Nitrosodimethylamine	3.73	42	760	0.336	ng	# 95
6) bis(2-Chloroethyl)ether	7.33	93	1474	0.369	ng	97
9) Naphthalene	10.74	128	21101	0.321	ng	100
10) Hexachlorobutadiene	11.02	225	734	0.411	ng	99
12) 2-Methylnaphthalene	12.35	142	3416	0.383	ng	97
16) Acenaphthylene	14.23	152	5858	0.381	ng	100
17) Acenaphthene	14.57	154	3906	0.383	ng	96
18) Fluorene	15.55	166	5668	0.373	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	2427	0.401	ng	91
21) Hexachlorobenzene	16.55	284	1975	0.445	ng	90
22) Pentachlorophenol	16.91	266	5294	3.444	ng	# 71
23) Phenanthrene	17.27	178	16198	0.399	ng	99
24) Anthracene	17.37	178	12187	0.390	ng	99
26) Fluoranthene	19.29	202	17879	0.411	ng	100
28) Pyrene	19.65	202	19622	0.404	ng	100
30) Benzo(a)anthracene	21.38	228	23533	0.400	ng	99
31) Chrysene	21.44	228	22739	0.395	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	55612	0.352	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	16801	0.377	ng	99
35) Benzo(b)fluoranthene	23.13	252	19529	0.406	ng	98
36) Benzo(k)fluoranthene	23.18	252	19246	0.398	ng	99
37) Benzo(a)pyrene	23.79	252	17538	0.406	ng	98
38) Dibenzo(a,h)anthracene	26.56	278	14217	0.411	ng	99
39) Benzo(g,h,i)perylene	27.36	276	14338	0.414	ng	99

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

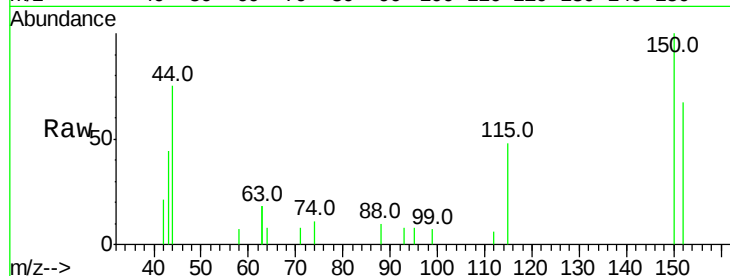


#1

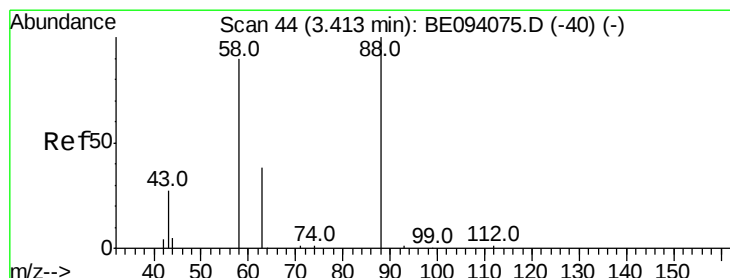
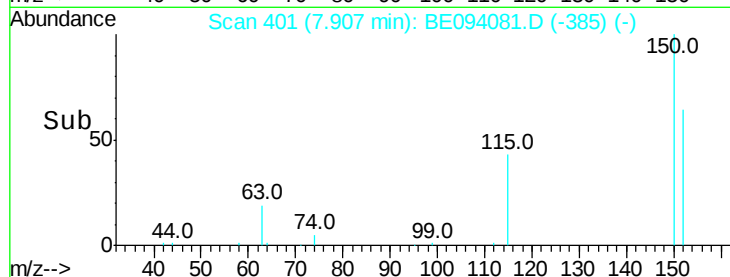
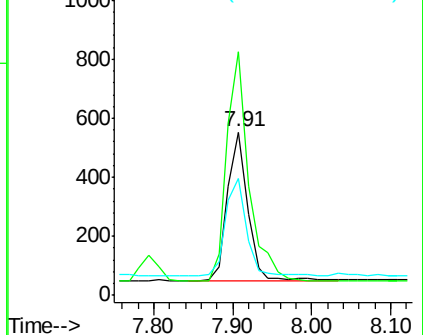
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094081.D
Acq: 23 Sep 2017 17:00

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 904
Ion Ratio Lower Upper
152 100
150 149.2 117.2 175.8
115 72.0 57.0 85.6



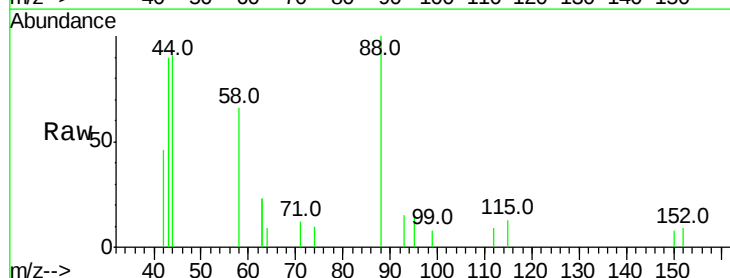
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



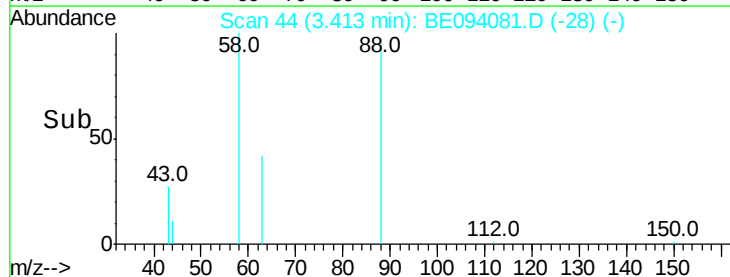
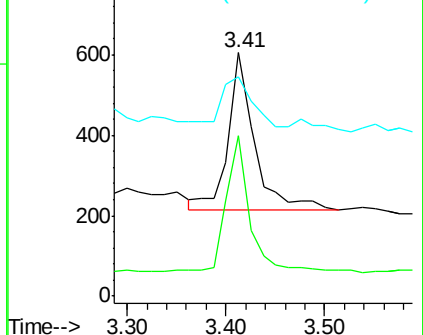
#2

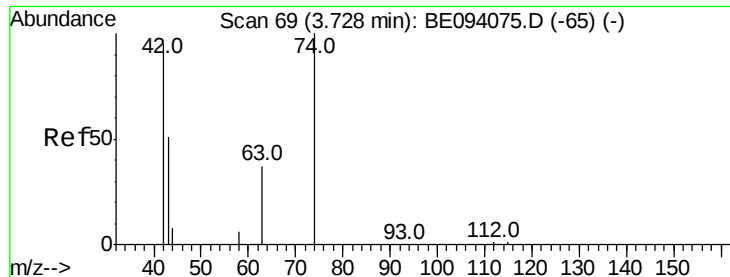
1,4-Dioxane
Concen: 0.366 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE094081.D
Acq: 23 Sep 2017 17:00

Tgt Ion: 88 Resp: 709
Ion Ratio Lower Upper
88 100
58 79.5 63.2 94.8
43 36.0 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



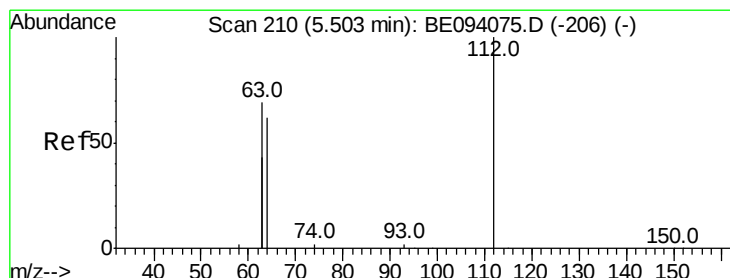
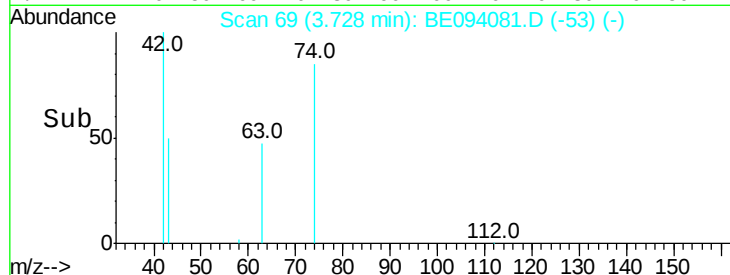
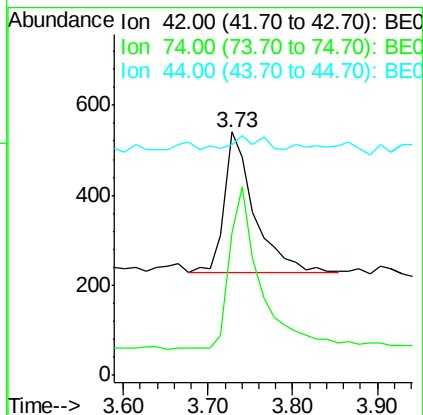
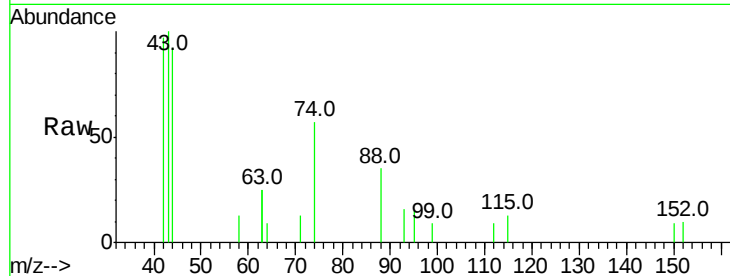


#3

n-Nitrosodimethylamine
 Concen: 0.336 ng
 RT: 3.73 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: BE094081.D
 Acq: 23 Sep 2017 17:00

Instrument :
 BNA_E
 ClientSampleId :

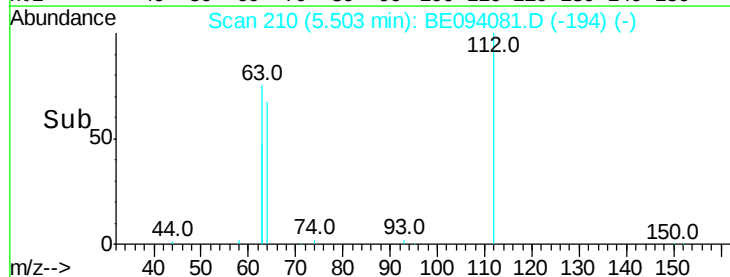
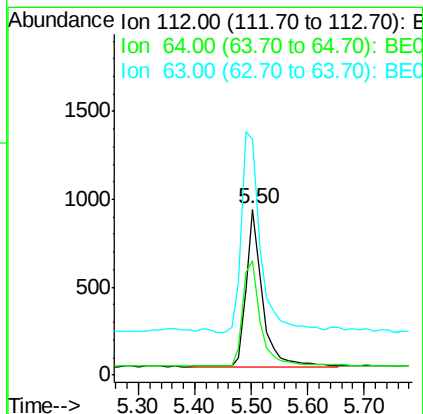
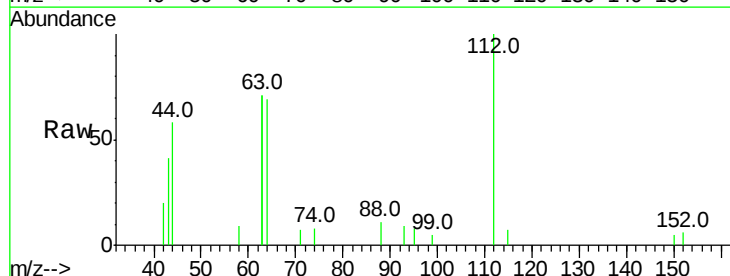
Tot Ion: 42 Resp: 760
 Ion Ratio Lower Upper
 42 100
 74 127.0 100.3 150.5
 44 10.0 17.0 25.4#

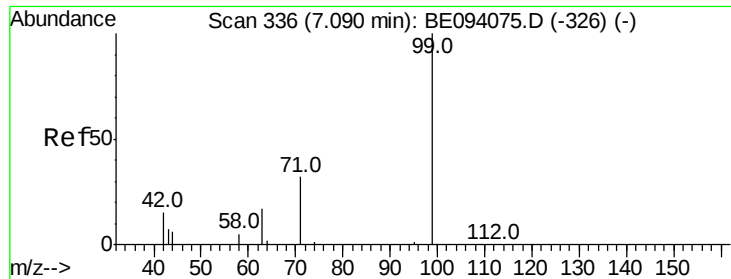


#4

2-Fluorophenol
 Concen: 0.349 ng
 RT: 5.50 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: BE094081.D
 Acq: 23 Sep 2017 17:00

Tgt Ion: 112 Resp: 1794
 Ion Ratio Lower Upper
 112 100
 64 74.0 60.1 90.1
 63 152.1 116.8 175.2





#5

Phenol-d6

Concen: 0.370 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampled :

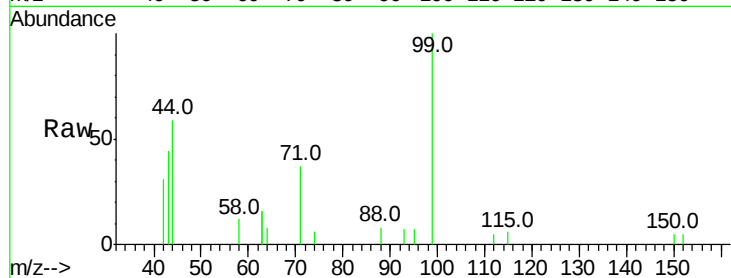
Tot Ion: 99 Resp: 1978

Ion Ratio Lower Upper

99 100

42 25.8 20.2 30.2

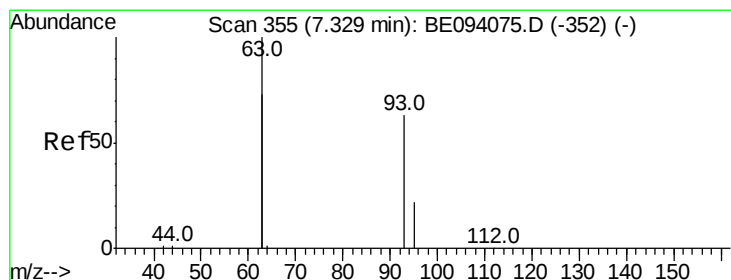
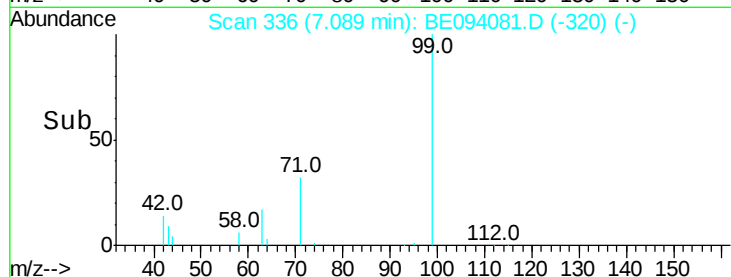
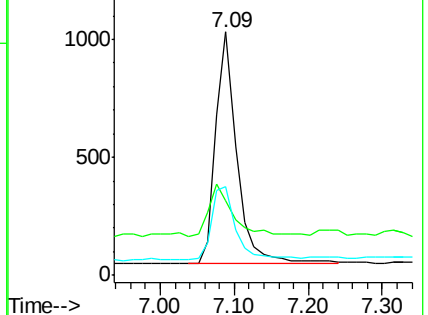
71 36.2 28.4 42.6



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: 0.369 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

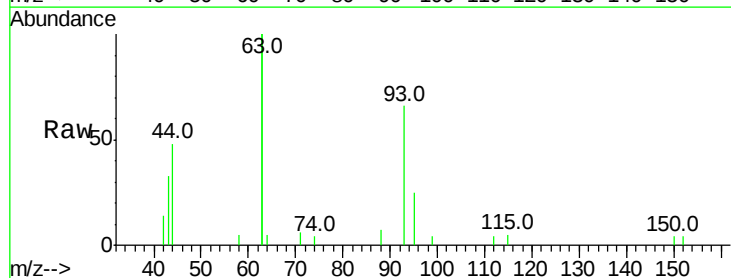
Tgt Ion: 93 Resp: 1474

Ion Ratio Lower Upper

93 100

63 350.8 275.3 412.9

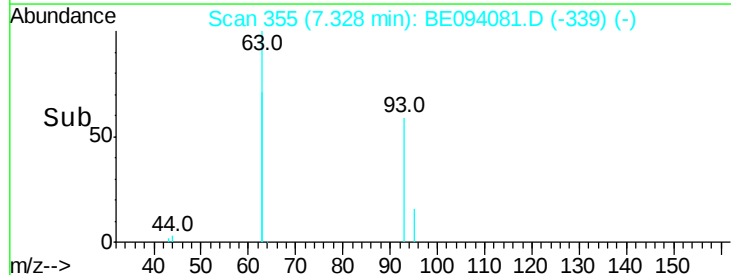
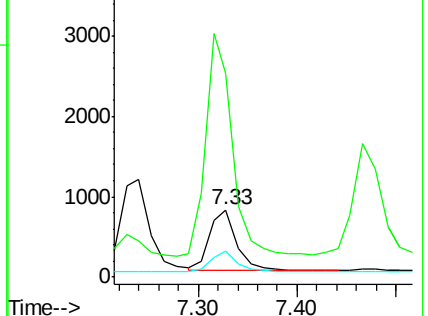
95 31.3 25.2 37.8

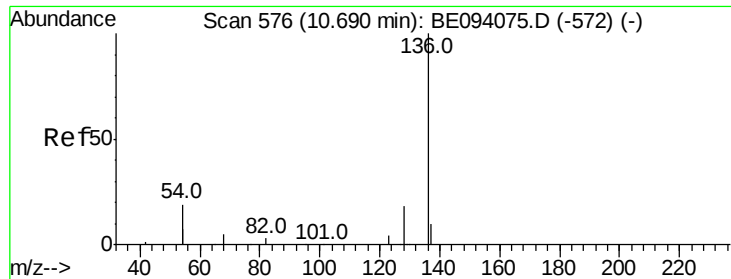


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4414

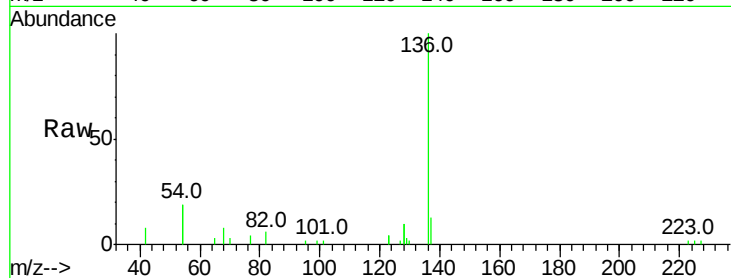
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 37.9 29.1 43.7

68 8.1 6.2 9.2

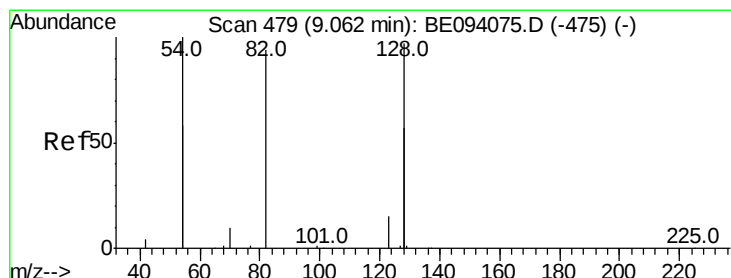
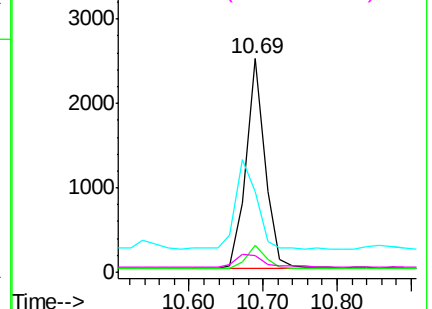
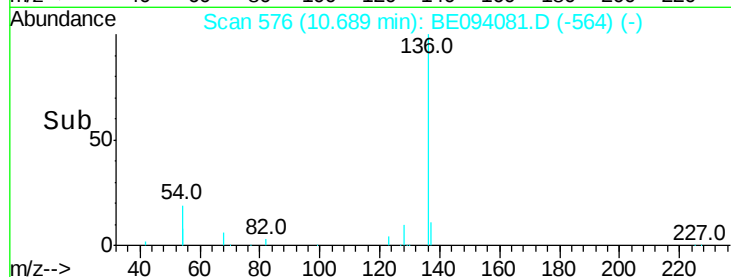


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.374 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

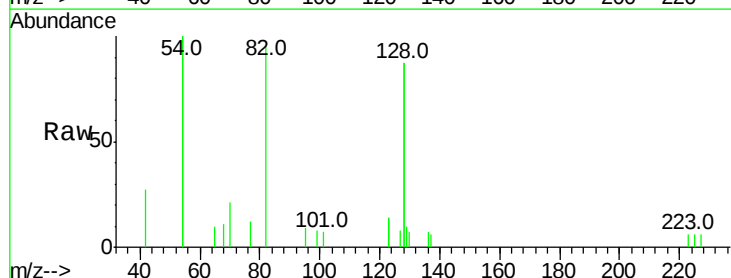
Tgt Ion: 82 Resp: 1468

Ion Ratio Lower Upper

82 100

128 183.5 150.0 225.0

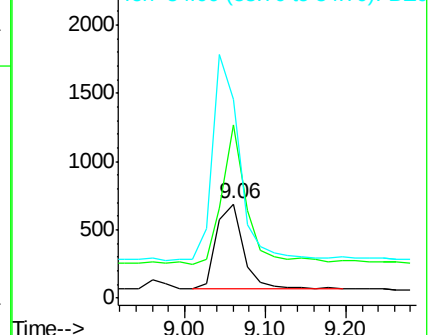
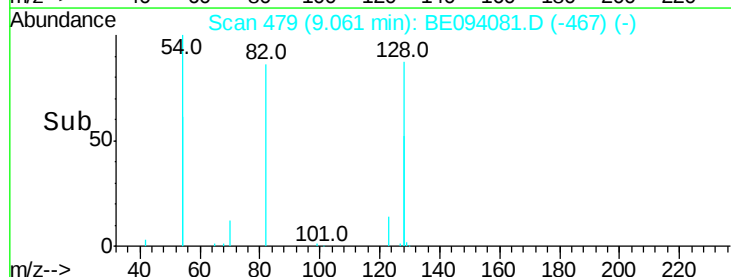
54 210.7 154.2 231.4

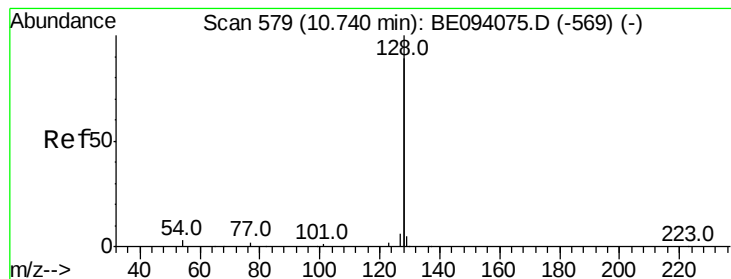


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.321 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

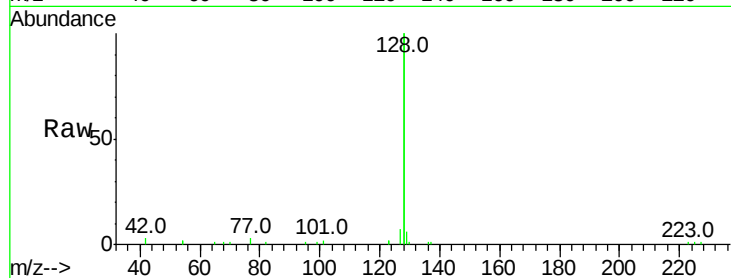
Tot Ion:128 Resp: 21101

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

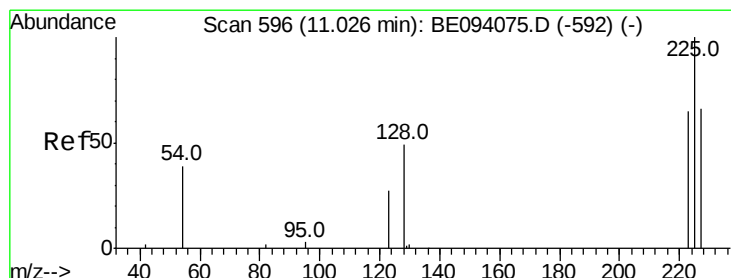
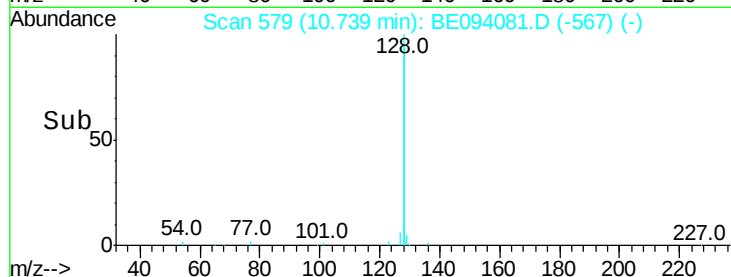
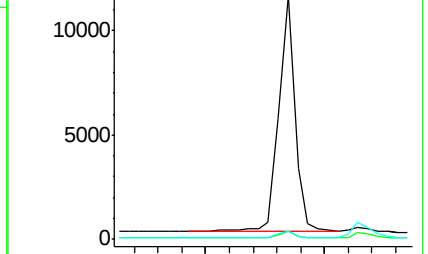
127 3.5 2.8 4.2



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: 0.411 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

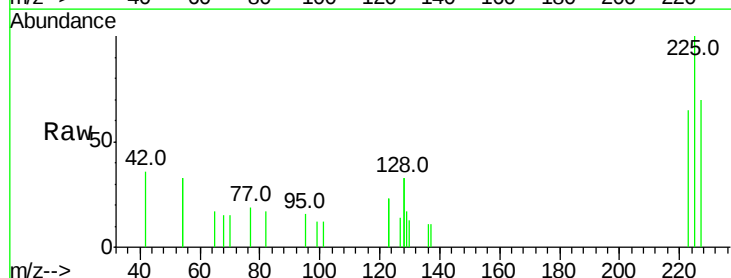
Tgt Ion:225 Resp: 734

Ion Ratio Lower Upper

225 100

223 64.6 53.0 79.6

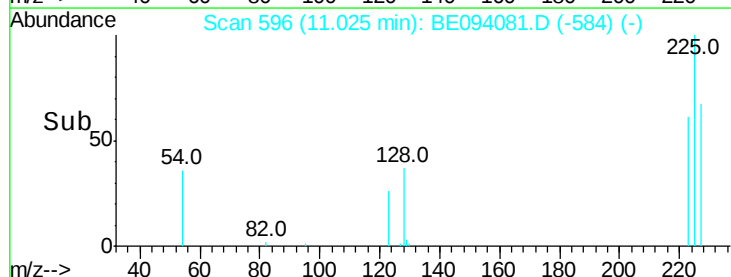
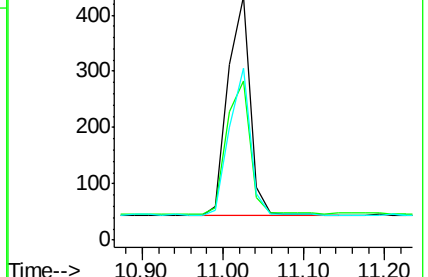
227 64.7 51.4 77.2

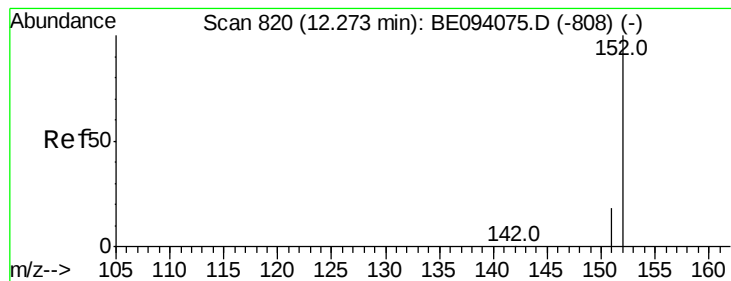


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.387 ng

RT: 12.27 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

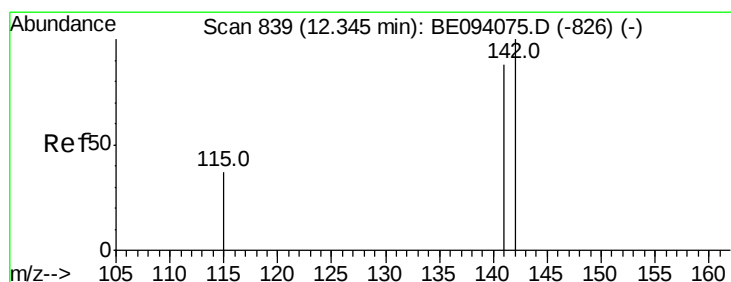
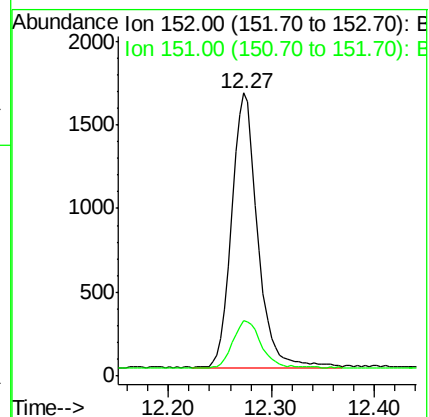
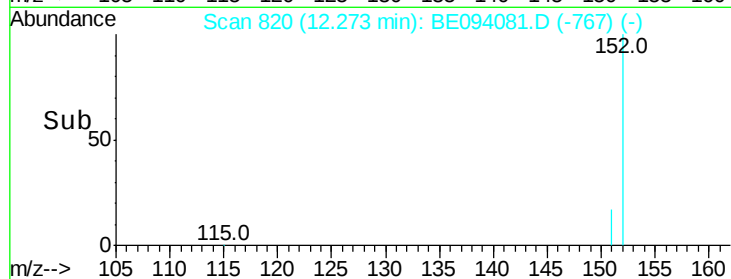
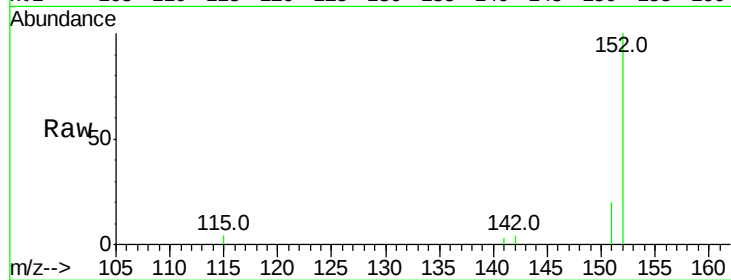
ClientSampleId :

Tot Ion:152 Resp: 2895

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.383 ng

RT: 12.35 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

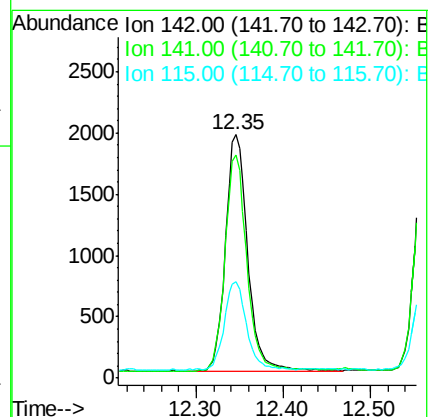
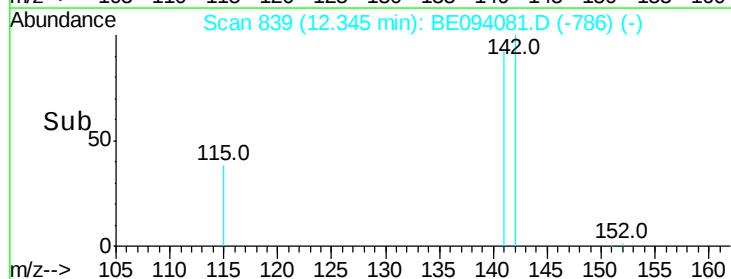
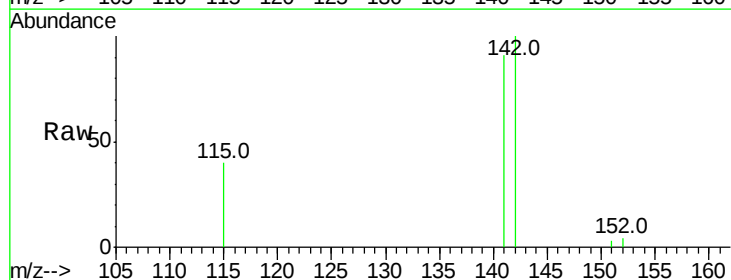
Tgt Ion:142 Resp: 3416

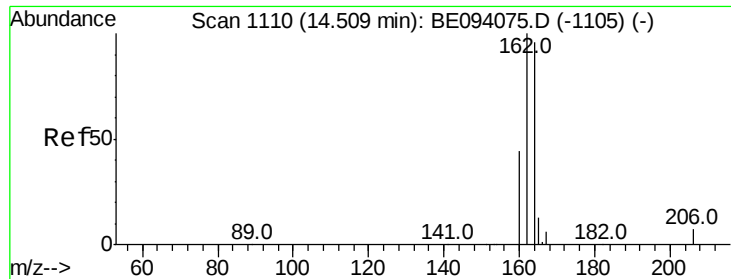
Ion Ratio Lower Upper

142 100

141 91.5 70.4 105.6

115 39.7 31.7 47.5

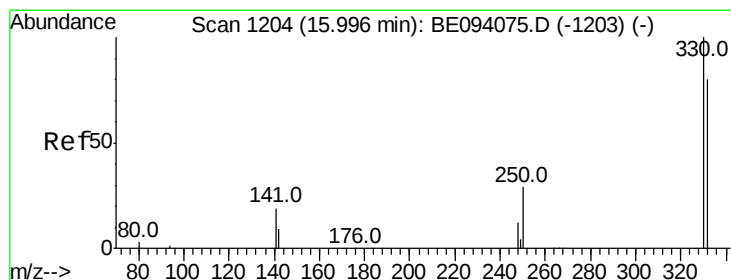
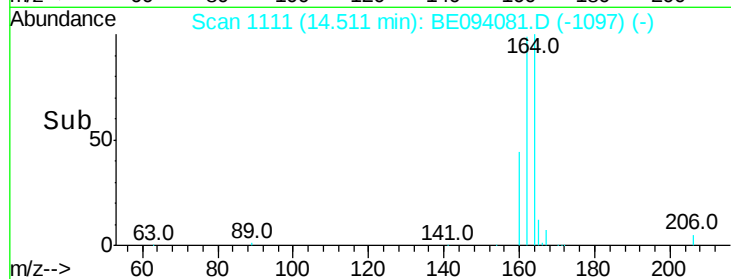
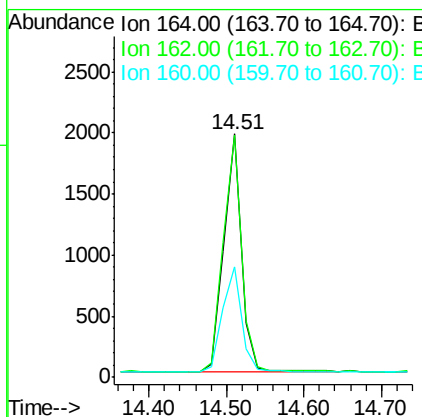
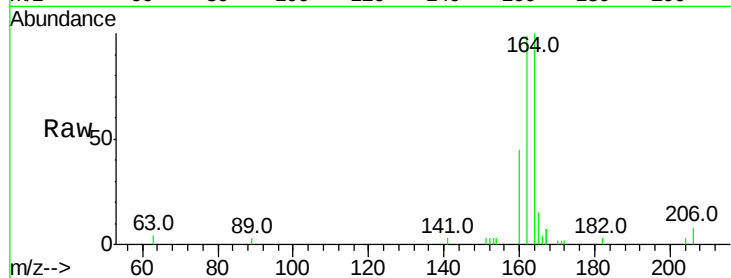




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094081.D
 Acq: 23 Sep 2017 17:00

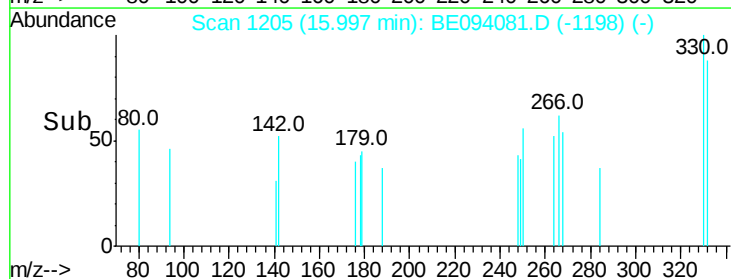
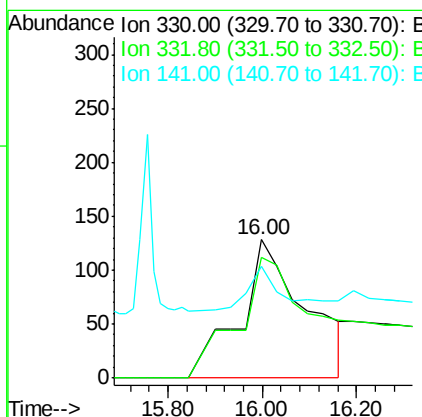
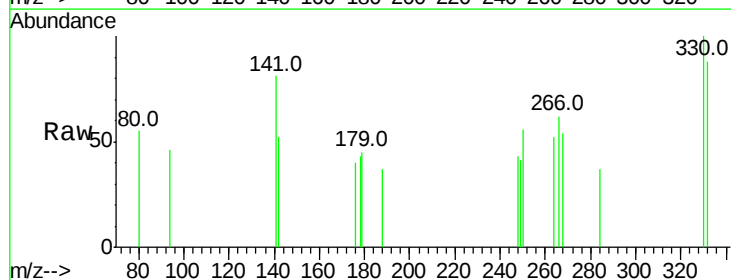
Instrument :
 BNA_E
 ClientSampleId :

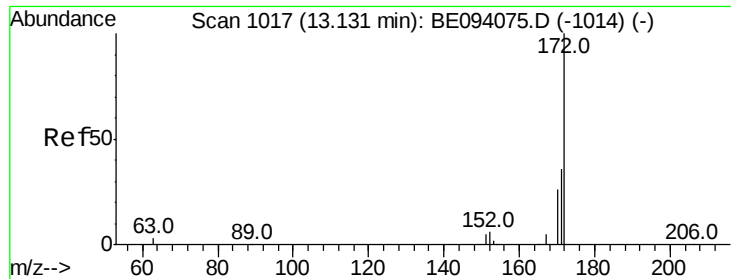
Tot Ion:164 Resp: 3055
 Ion Ratio Lower Upper
 164 100
 162 99.4 83.1 124.7
 160 45.5 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.558 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094081.D
 Acq: 23 Sep 2017 17:00

Tgt Ion:330 Resp: 1294
 Ion Ratio Lower Upper
 330 100
 332 96.1 152.7 229.1#
 141 18.5 33.7 50.5#

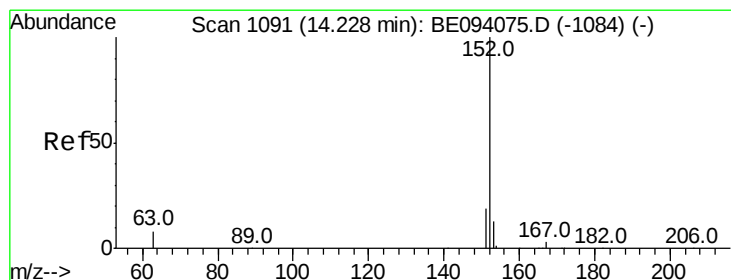
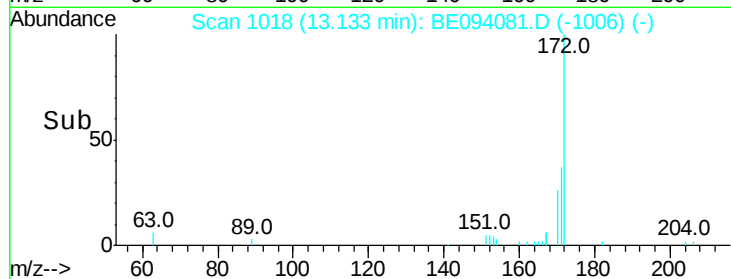
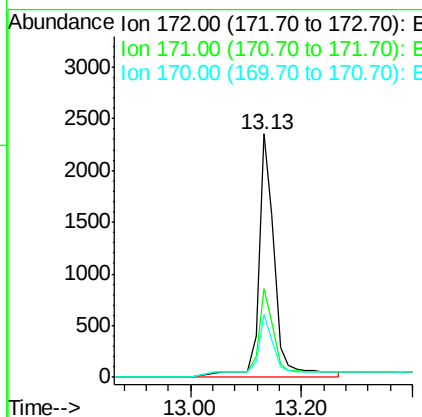
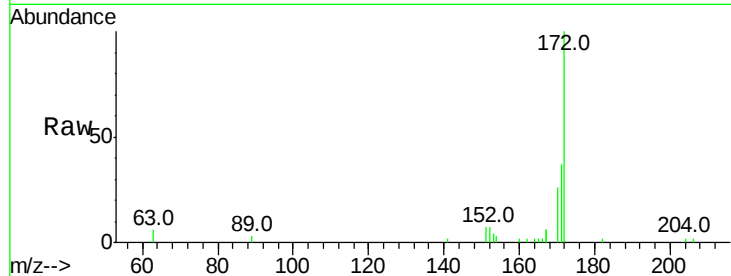




#15
2-Fluorobiphenyl
Concen: 0.506 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094081.D
Acq: 23 Sep 2017 17:00

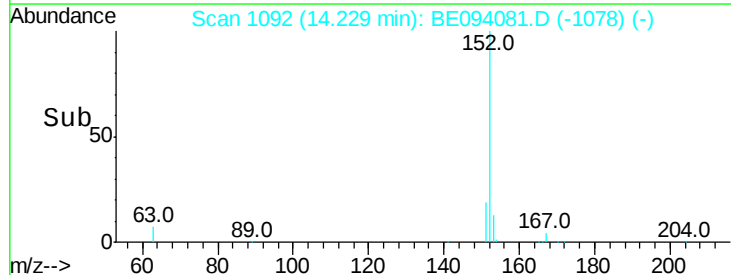
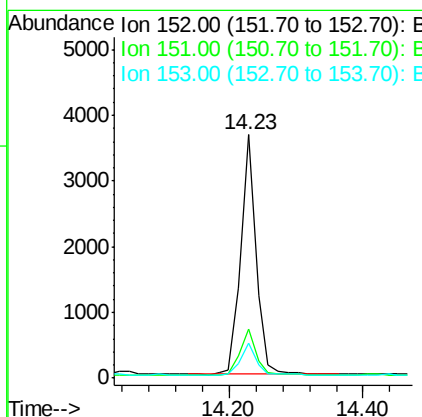
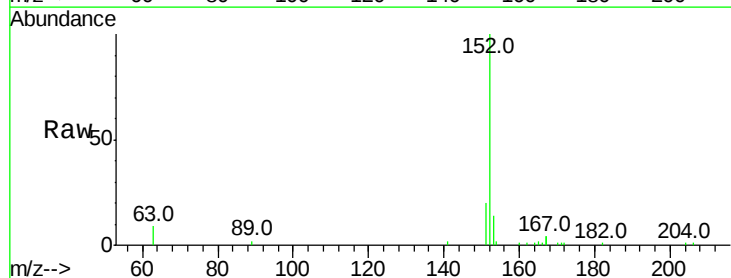
Instrument :
BNA_E
ClientSampleId :

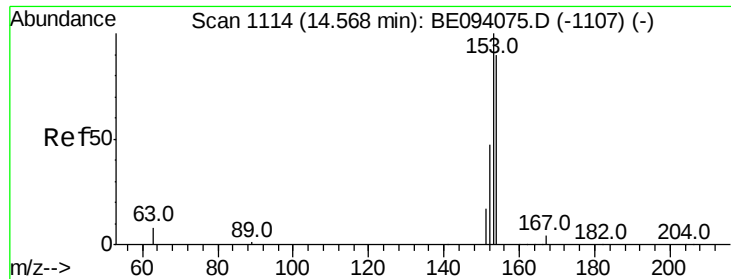
Tot Ion:172 Resp: 5083
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 26.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094081.D
Acq: 23 Sep 2017 17:00

Tgt Ion:152 Resp: 5858
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.383 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

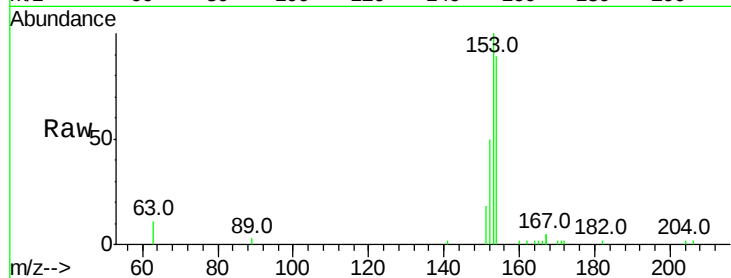
Tot Ion:154 Resp: 3906

Ion Ratio Lower Upper

154 100

153 115.4 89.2 133.8

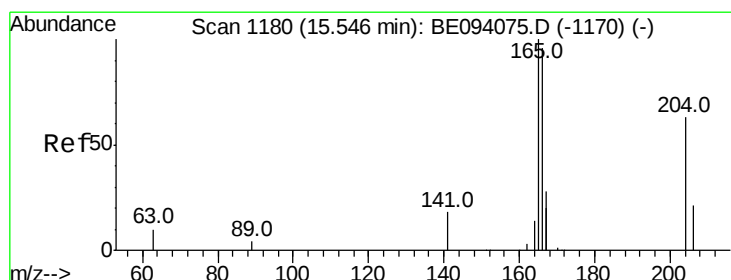
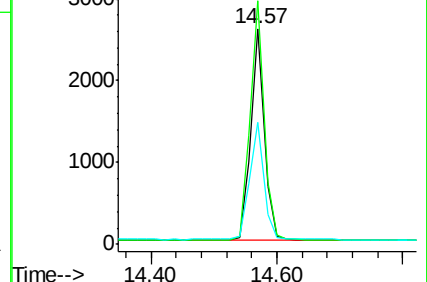
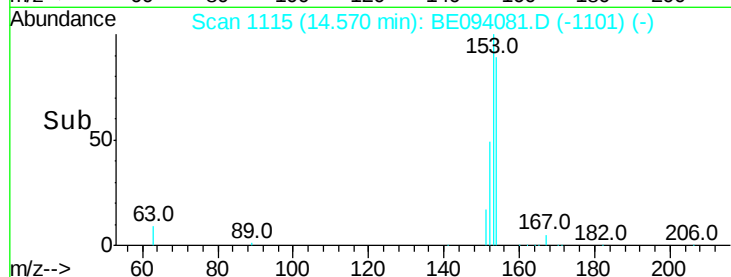
152 56.4 42.0 63.0



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: 0.373 ng

RT: 15.55 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

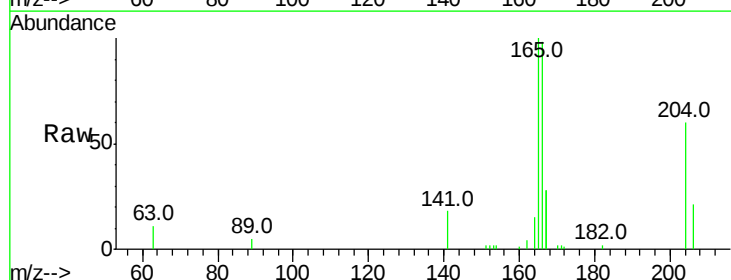
Tgt Ion:166 Resp: 5668

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

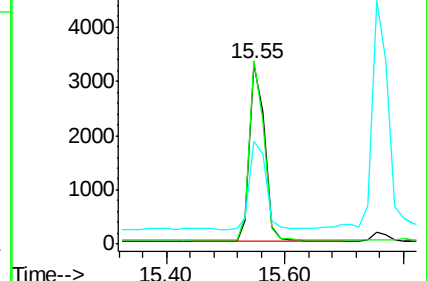
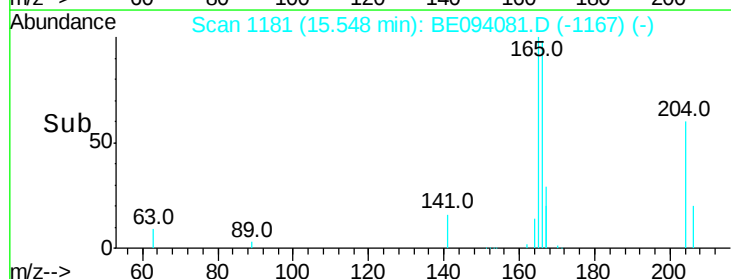
167 54.3 42.4 63.6

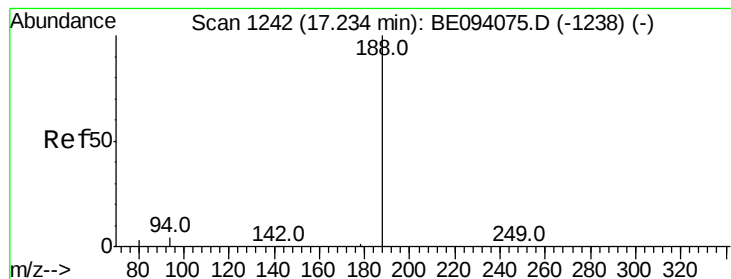


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

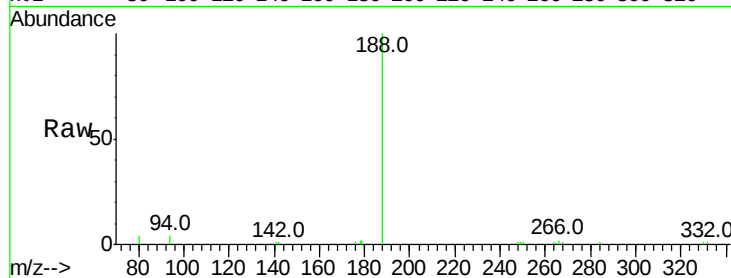
Tot Ion:188 Resp: 11325

Ion Ratio Lower Upper

188 100

94 4.4 3.9 5.9

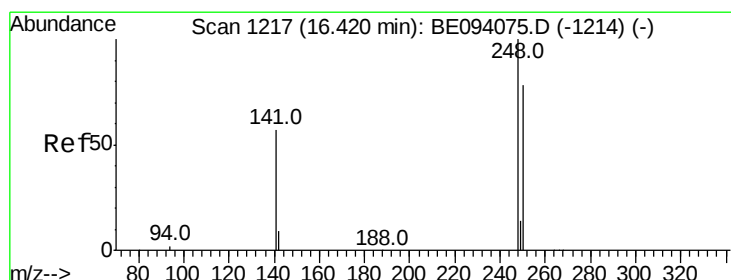
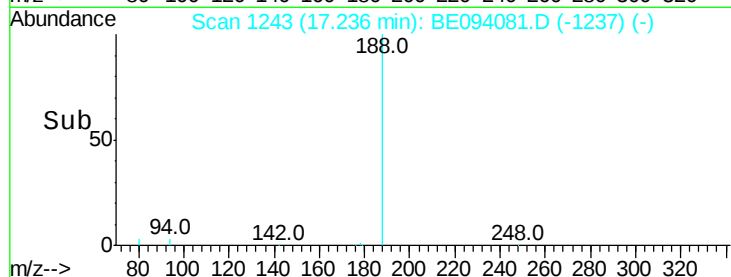
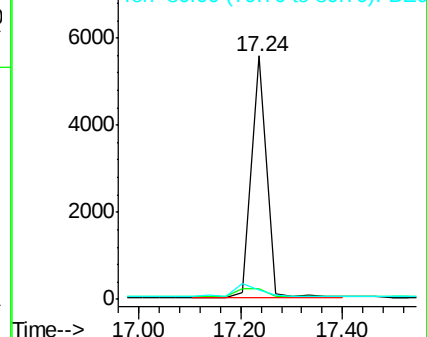
80 3.9 3.6 5.4



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: 0.401 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

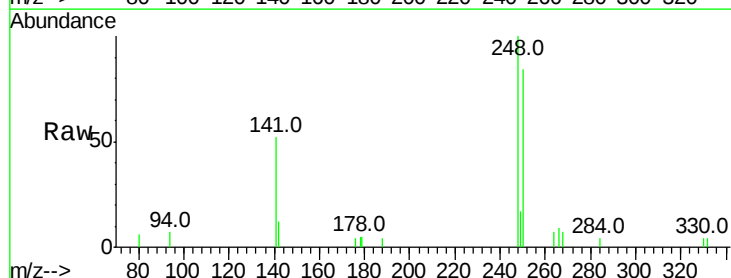
Tgt Ion:248 Resp: 2427

Ion Ratio Lower Upper

248 100

250 84.5 62.7 94.1

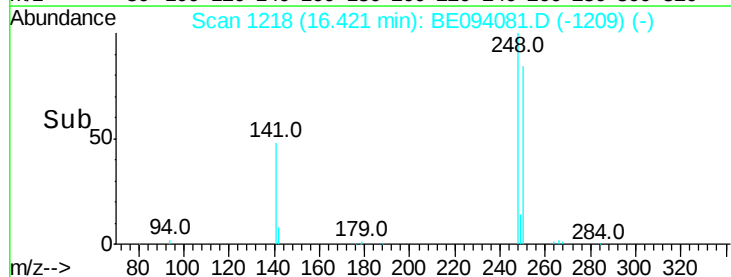
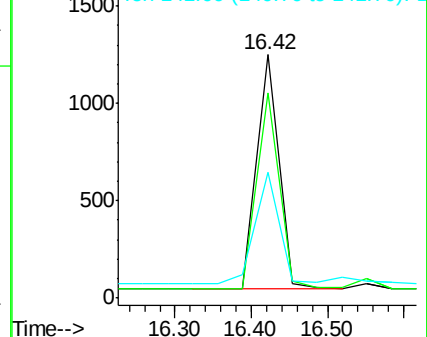
141 51.9 48.2 72.2

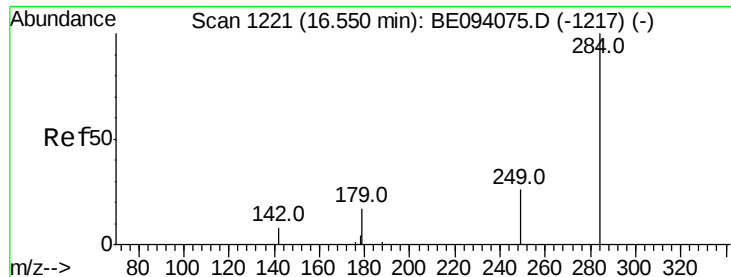


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.445 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

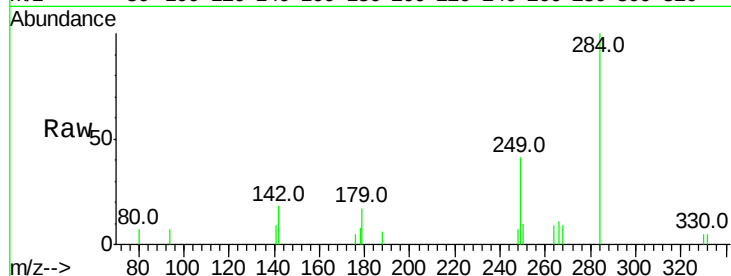
Tot Ion:284 Resp: 1975

Ion Ratio Lower Upper

284 100

142 22.7 22.1 33.1

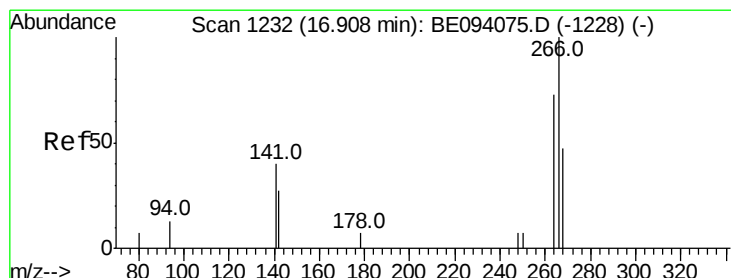
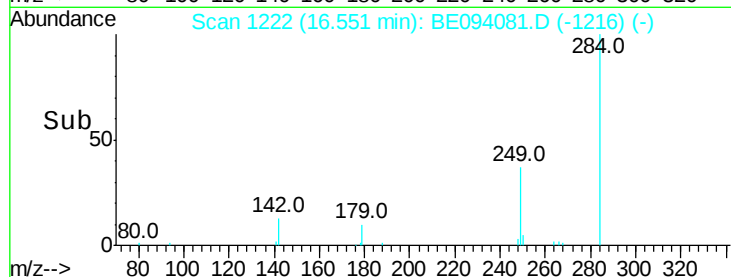
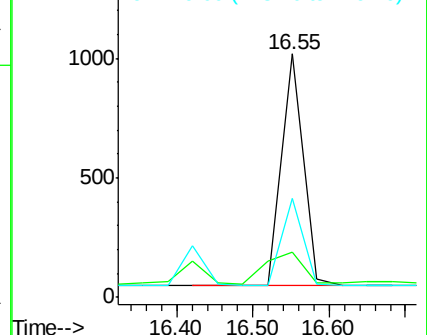
249 36.5 34.8 52.2



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: 3.444 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

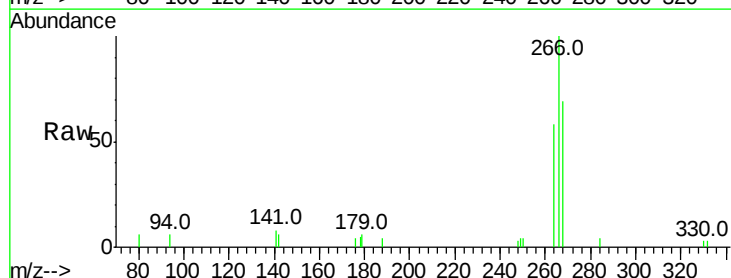
Tgt Ion:266 Resp: 5294

Ion Ratio Lower Upper

266 100

264 58.5 72.5 108.7#

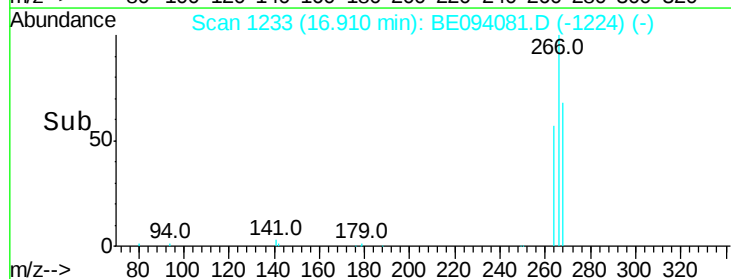
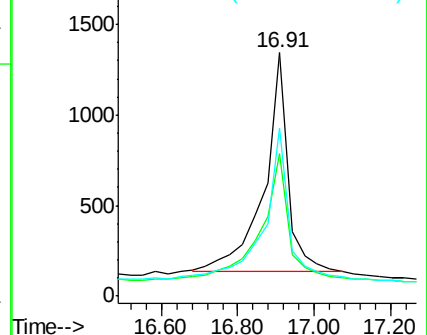
268 68.8 73.8 110.6#

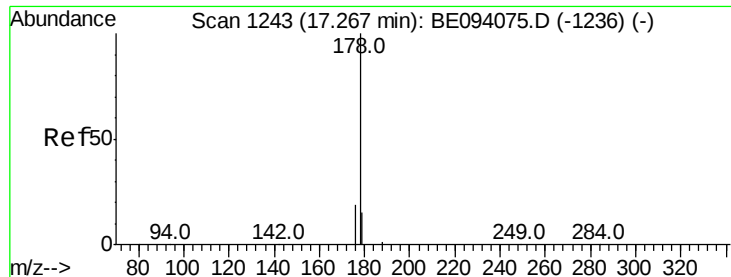


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.399 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampled :

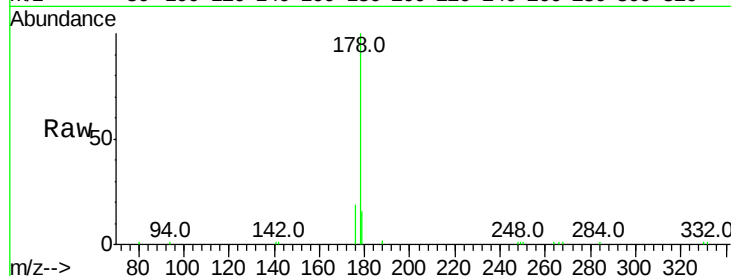
Tot Ion:178 Resp: 16198

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

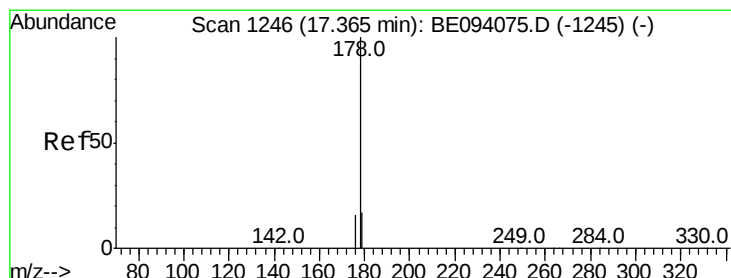
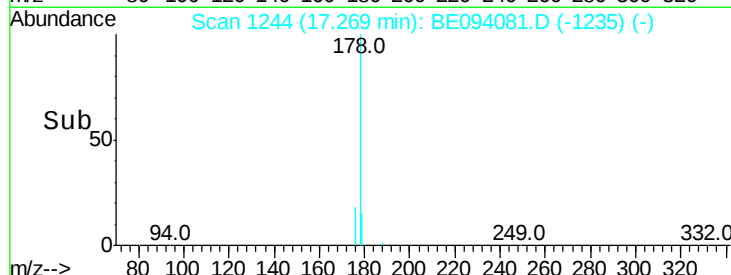
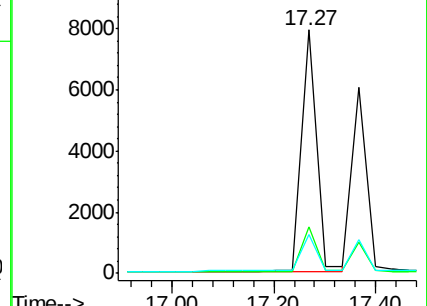
179 15.0 11.8 17.6



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: 0.390 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

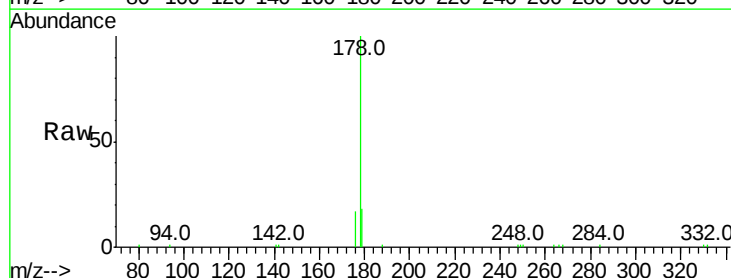
Tgt Ion:178 Resp: 12187

Ion Ratio Lower Upper

178 100

176 15.8 12.8 19.2

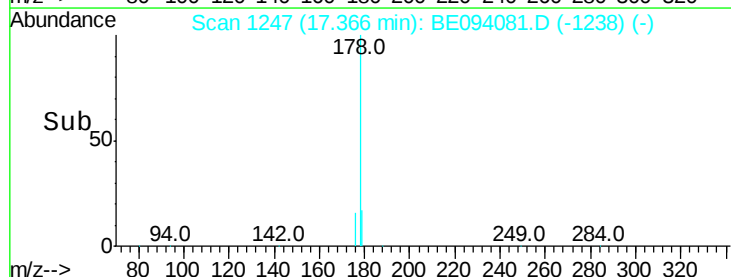
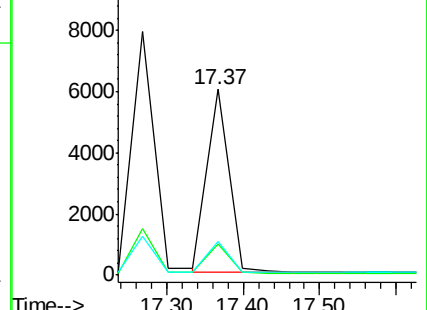
179 16.6 13.0 19.6

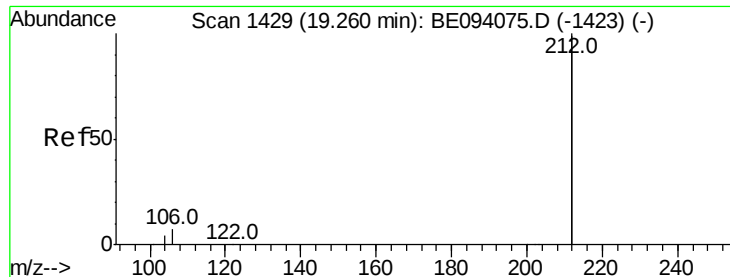


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.411 ng

RT: 19.26 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

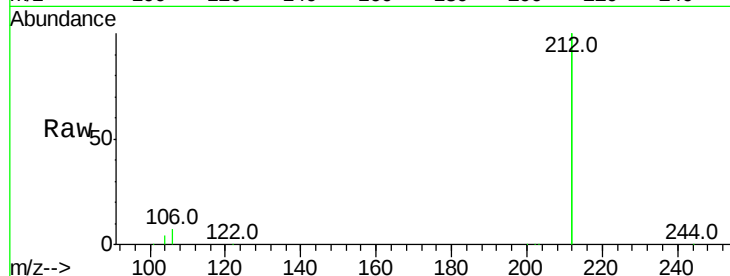
Tot Ion:212 Resp: 59654

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

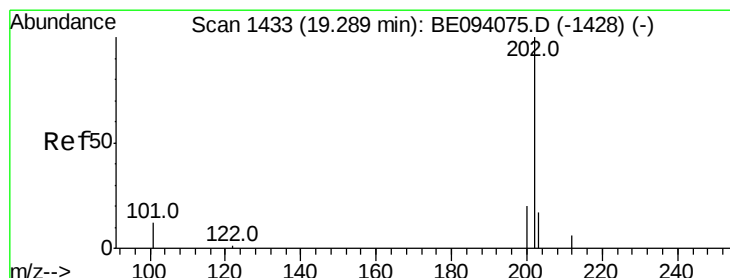
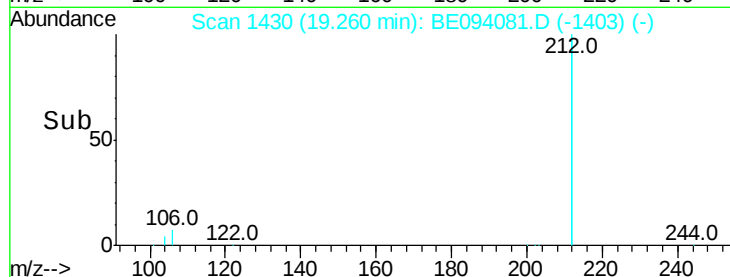
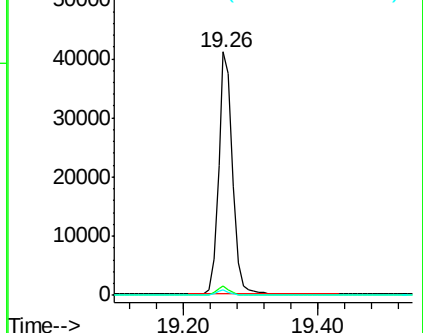
104 2.0 1.6 2.4



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: 0.411 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

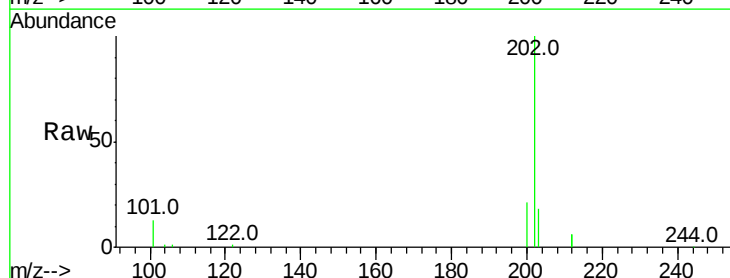
Tgt Ion:202 Resp: 17879

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

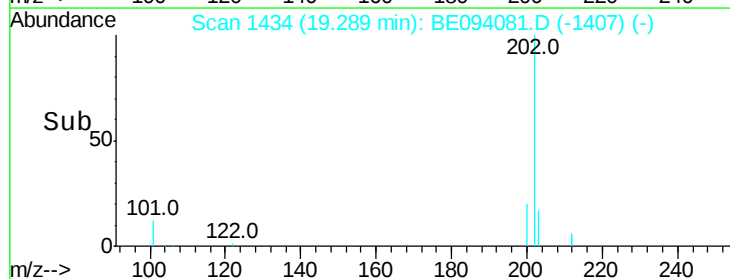
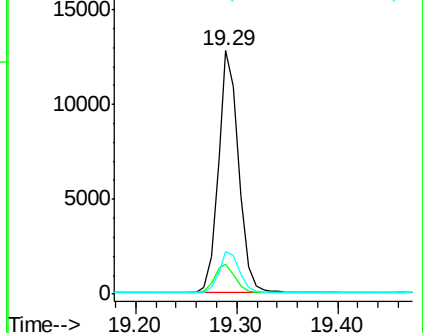
203 17.4 13.7 20.5

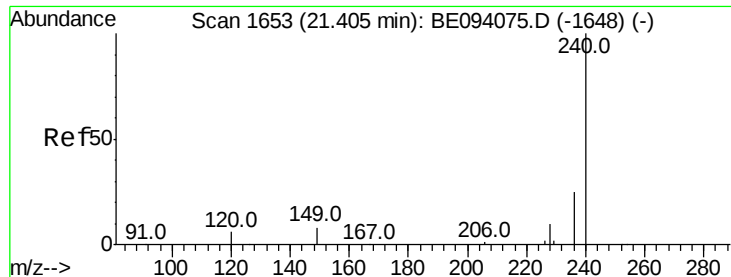


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

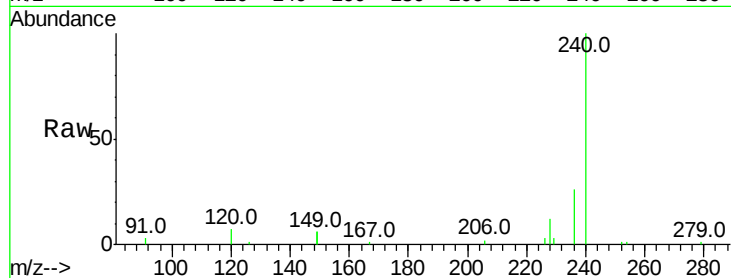
Tot Ion:240 Resp: 17550

Ion Ratio Lower Upper

240 100

120 7.1 5.5 8.3

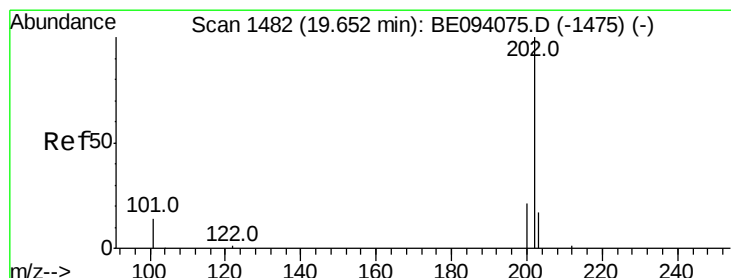
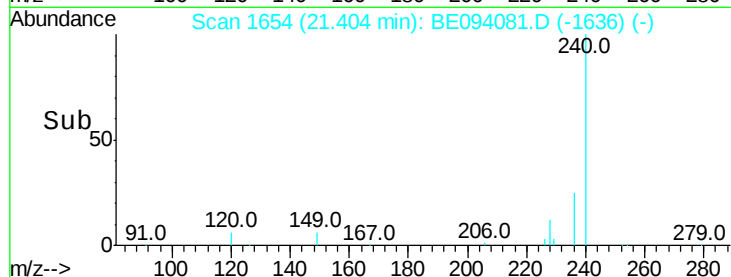
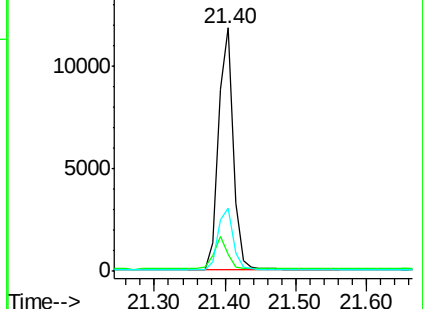
236 25.7 20.7 31.1



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: 0.404 ng

RT: 19.65 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

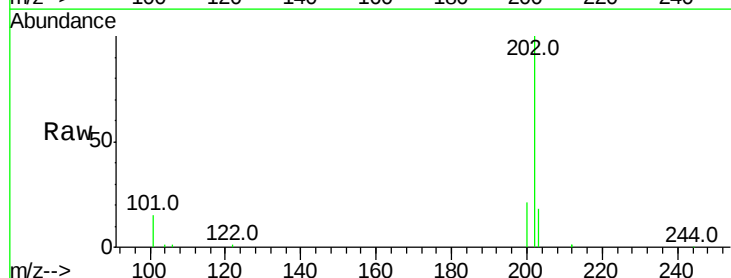
Tgt Ion:202 Resp: 19622

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

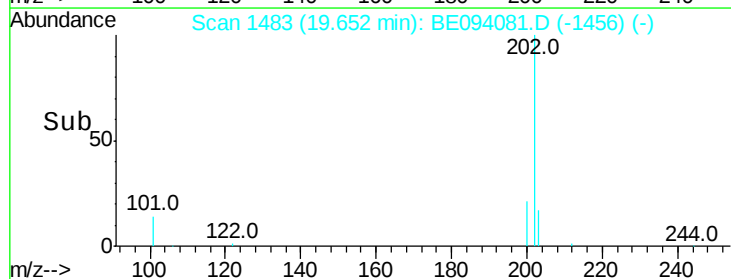
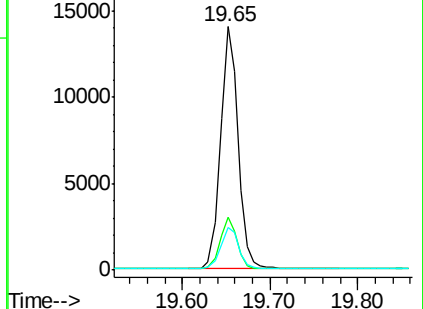
203 17.6 13.8 20.8

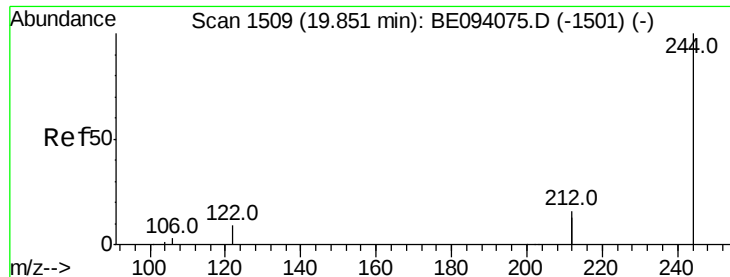


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

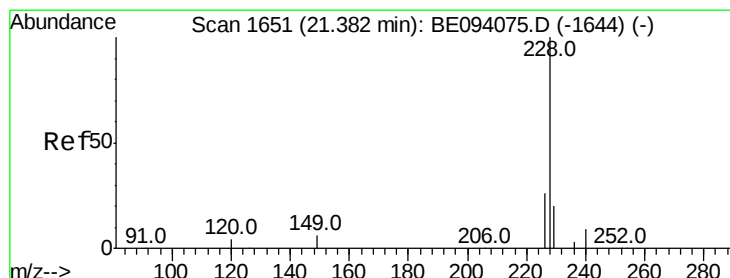
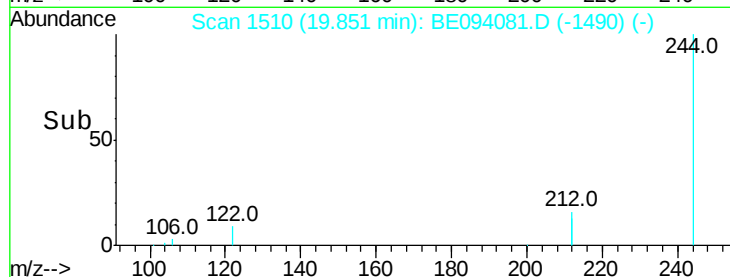
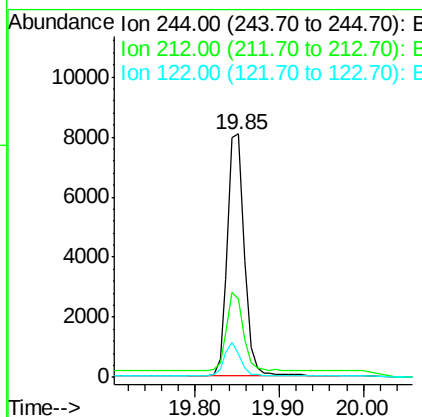
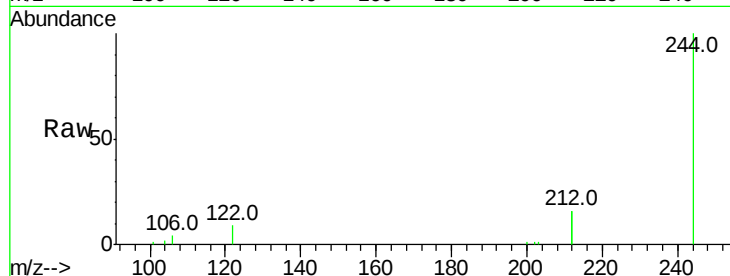




#29
 Terphenyl-d14
 Concen: 0.408 ng
 RT: 19.85 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: BE094081.D
 Acq: 23 Sep 2017 17:00

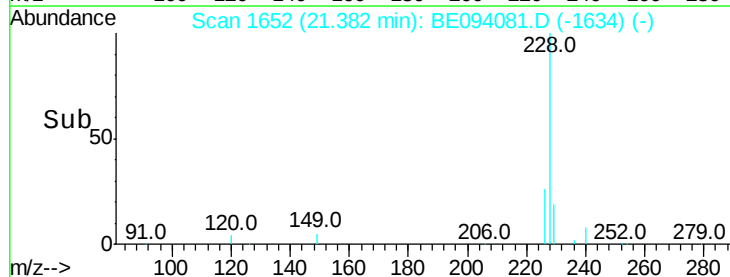
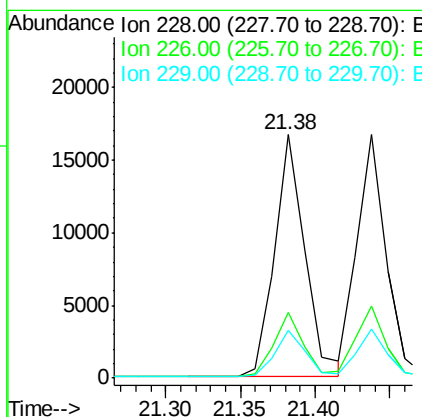
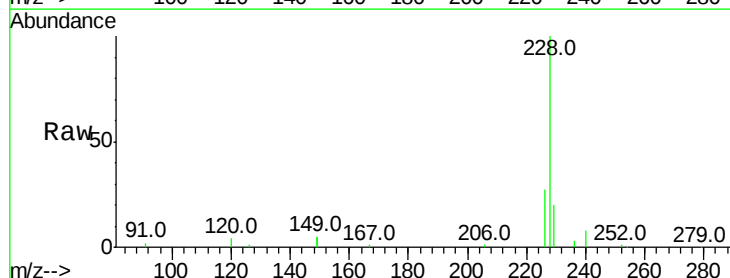
Instrument :
 BNA_E
 ClientSampleId :

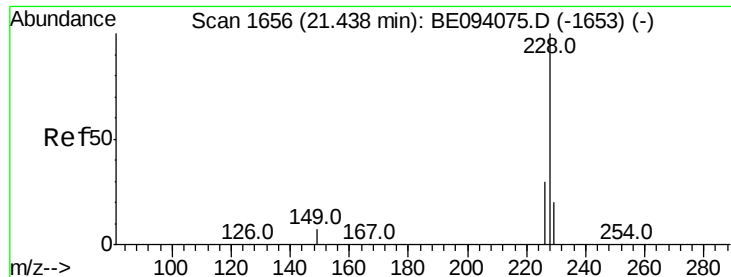
Tot Ion:244 Resp: 11219
 Ion Ratio Lower Upper
 244 100
 212 32.5 25.4 38.0
 122 9.5 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BE094081.D
 Acq: 23 Sep 2017 17:00

Tgt Ion:228 Resp: 23533
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.4 32.0
 229 19.8 16.4 24.6





#31

Chrysene

Concen: 0.395 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

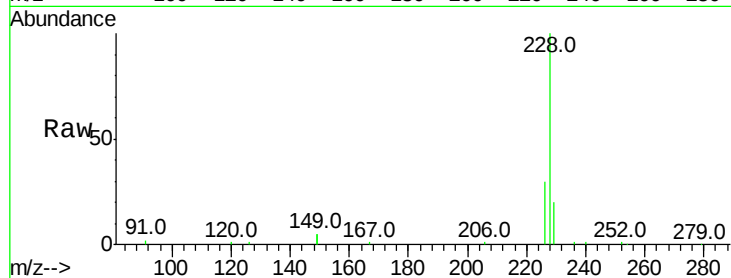
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 22739

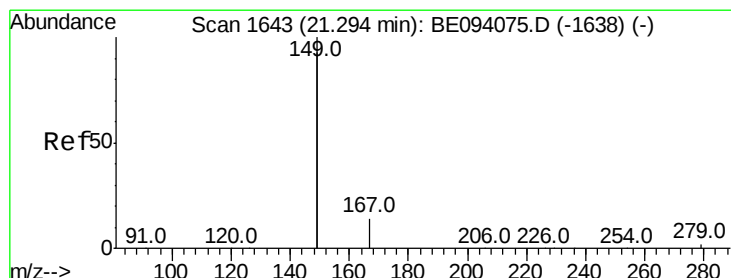
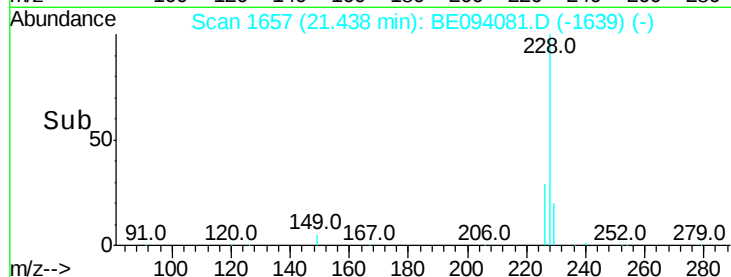
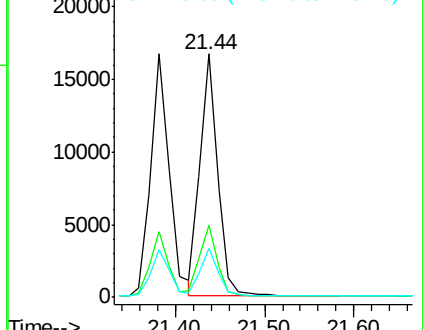
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.6	35.4
229	20.2	16.4	24.6



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: 0.352 ng

RT: 21.29 min Scan# 1644

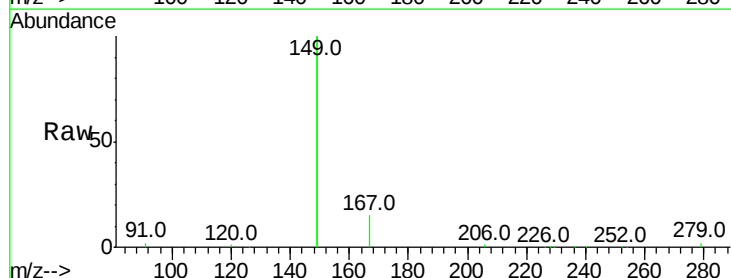
Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Tgt Ion:149 Resp: 55612

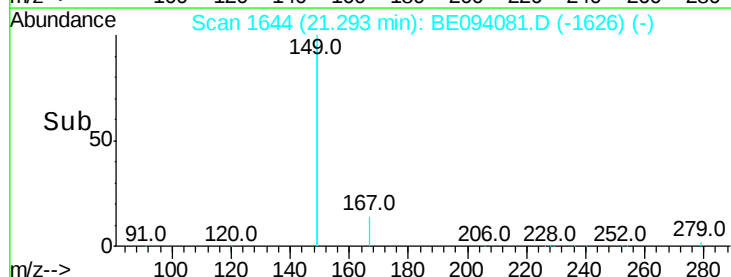
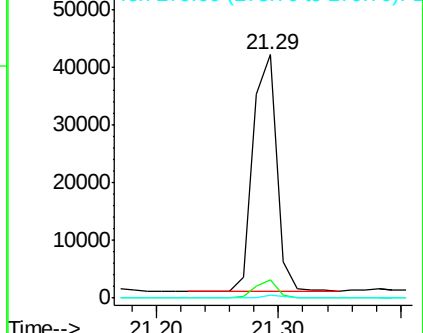
Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.9	0.7	1.1

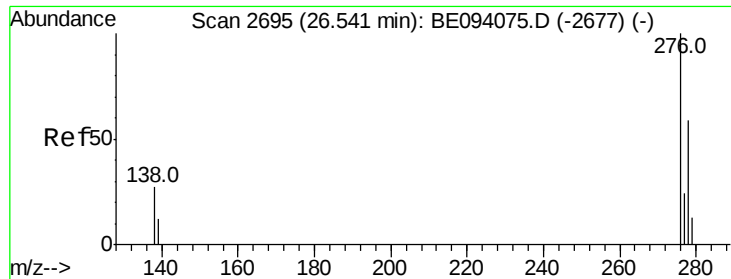


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.377 ng

RT: 26.55 min Scan# 2697

Delta R.T. 0.00 min

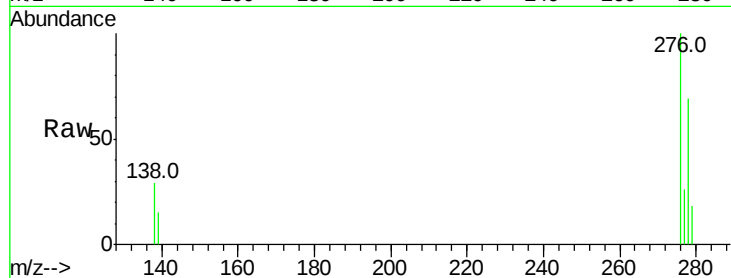
Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :



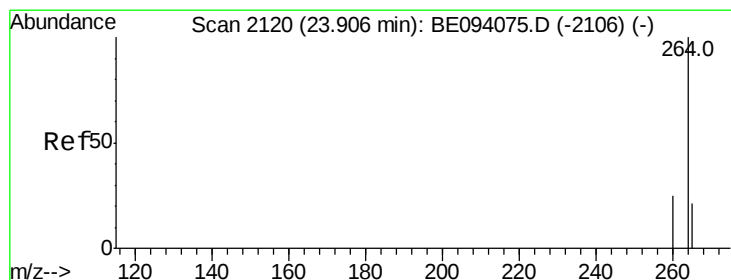
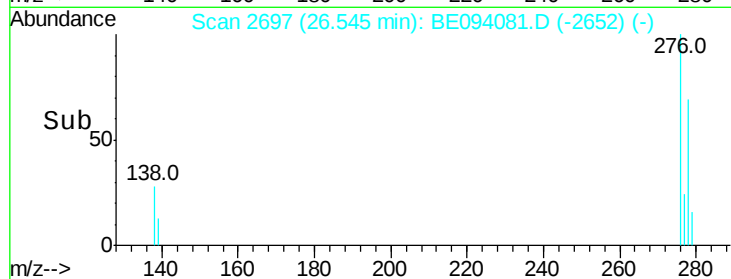
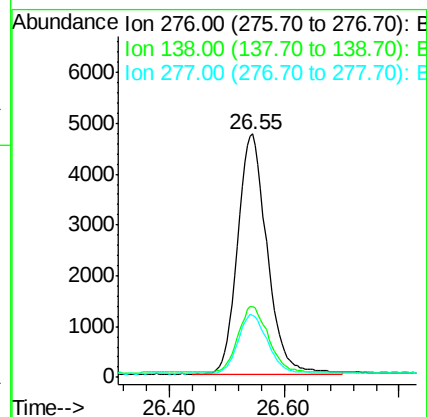
Tot Ion:276 Resp: 16801

Ion Ratio Lower Upper

276 100

138 27.3 22.5 33.7

277 24.8 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

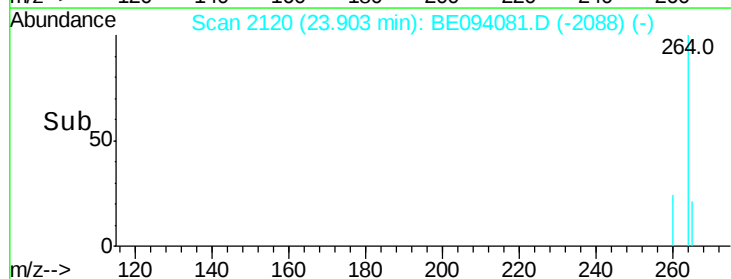
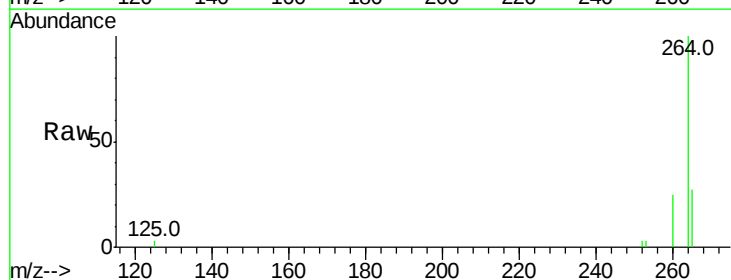
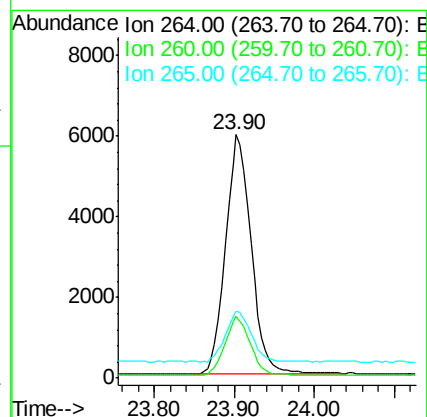
Tgt Ion:264 Resp: 13302

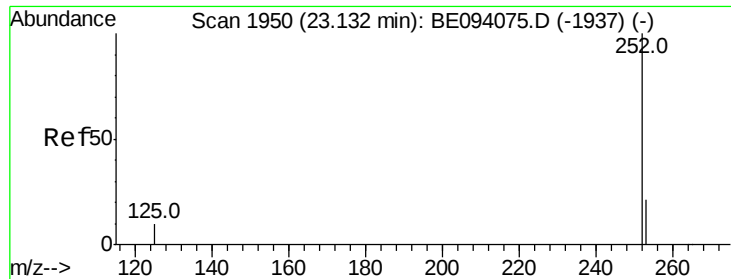
Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 27.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.406 ng

RT: 23.13 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

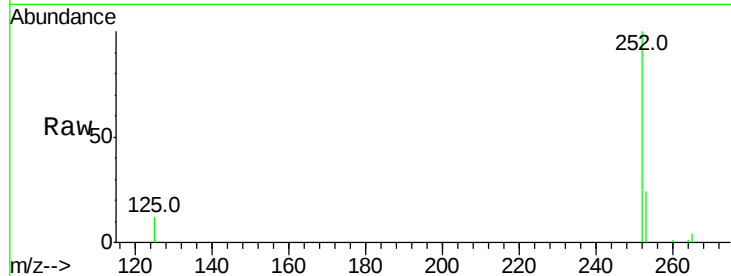
Tot Ion:252 Resp: 19529

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

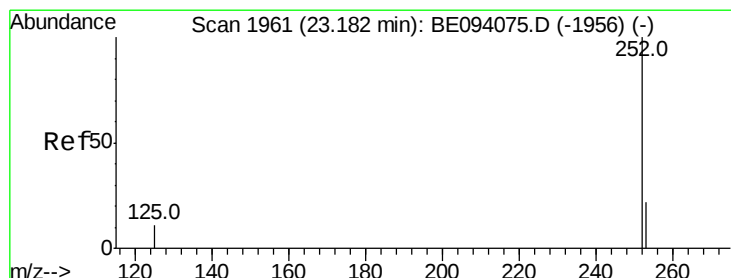
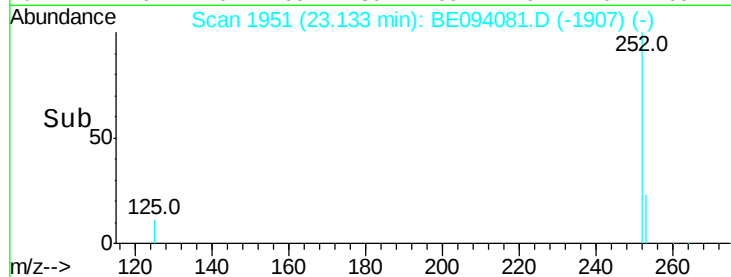
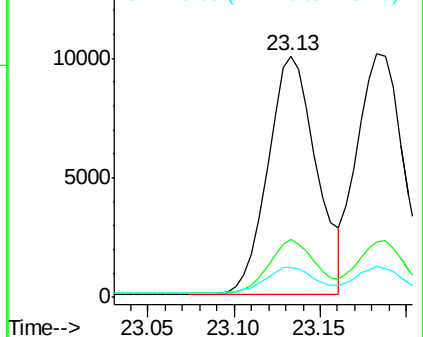
125 12.5 10.1 15.1



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: 0.398 ng

RT: 23.18 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

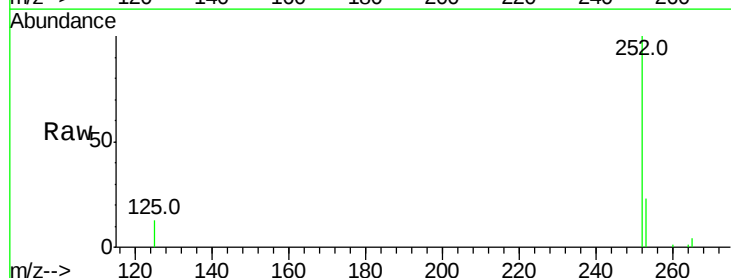
Tgt Ion:252 Resp: 19246

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

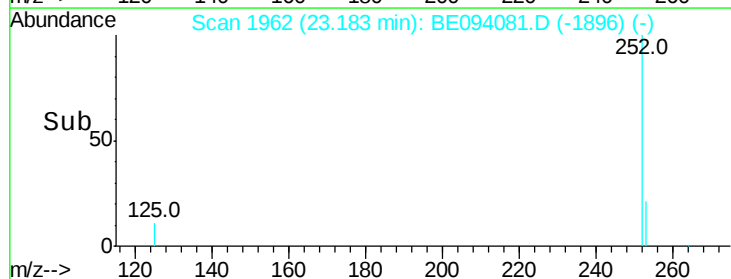
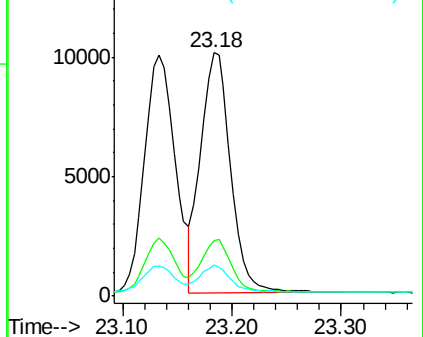
125 12.7 10.7 16.1

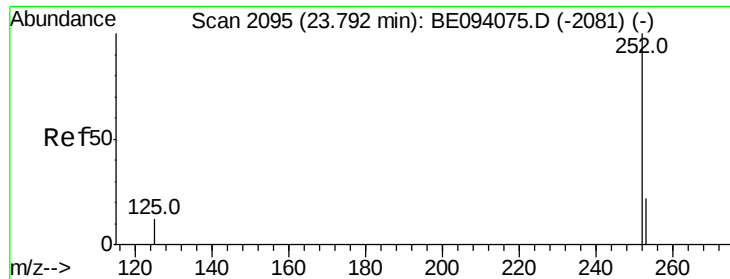


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.79 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

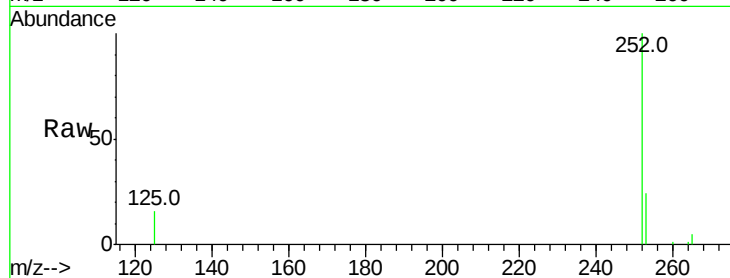
Tot Ion:252 Resp: 17538

Ion Ratio Lower Upper

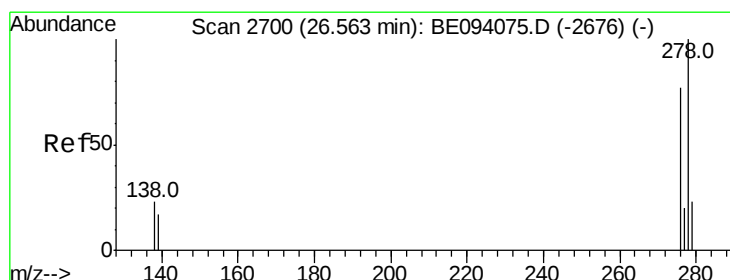
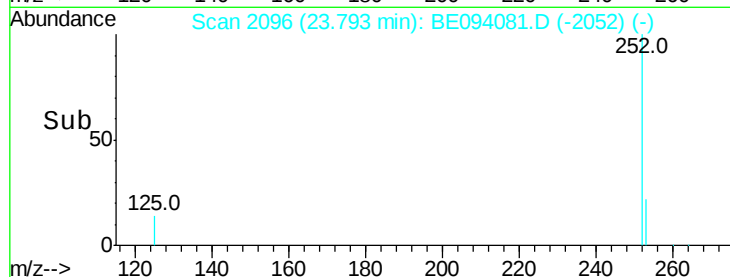
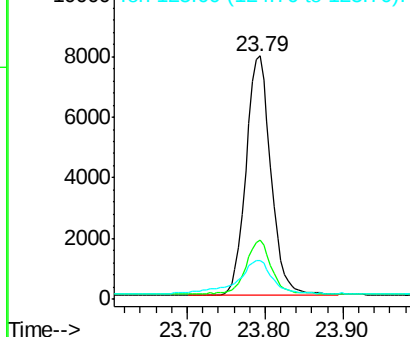
252 100

253 24.2 19.0 28.6

125 15.9 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: 0.411 ng

RT: 26.56 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

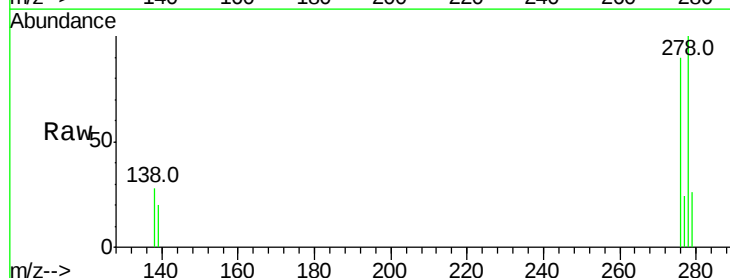
Tgt Ion:278 Resp: 14217

Ion Ratio Lower Upper

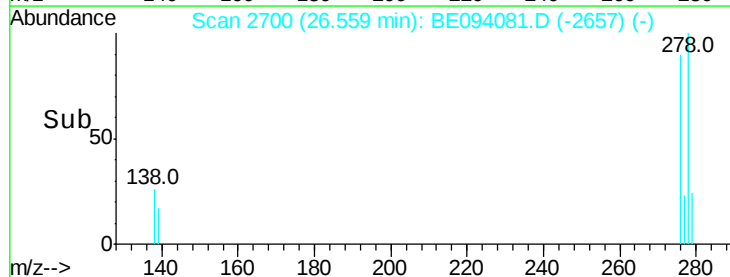
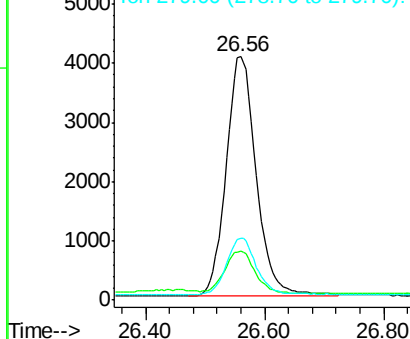
278 100

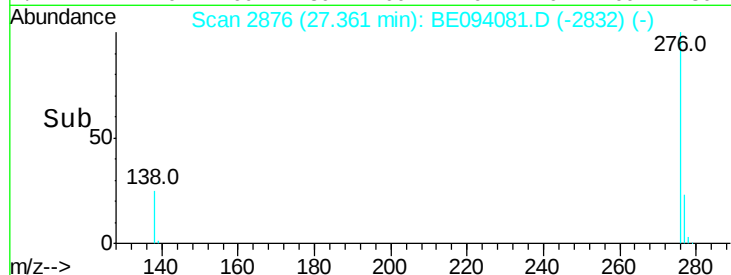
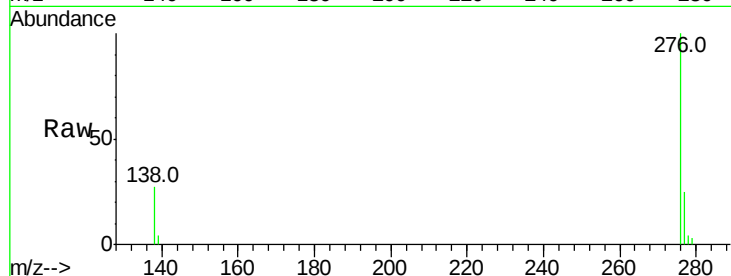
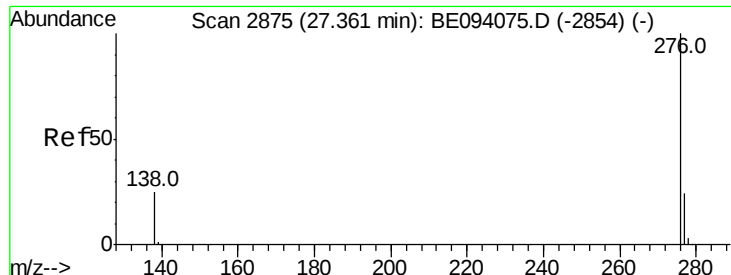
139 19.9 16.3 24.5

279 25.5 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: 0.414 ng

RT: 27.36 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BE094081.D

Acq: 23 Sep 2017 17:00

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 14338

Ion Ratio Lower Upper

276 100

277 24.7 20.8 31.2

138 27.0 21.5 32.3

