

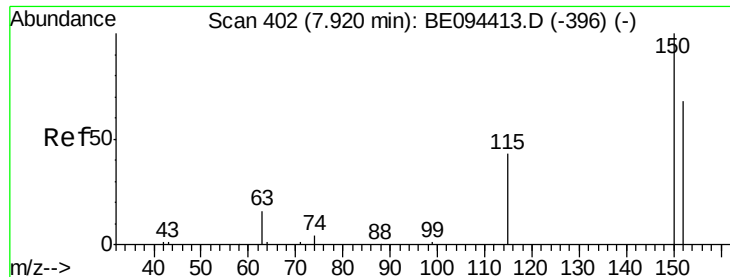
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
 Data File : BE094435.D
 Acq On : 17 Oct 2017 18:39
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc : LOQ 0.2 PPM
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDC00.4EC

Quant Time: Oct 17 20:20:03 2017
 Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1338	0.40	ng	-0.02
7) Naphthalene-d8	10.71	136	7094	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	4307	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	7242	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	10632	0.40	ng	0.00
34) Perylene-d12	23.95	264	10029	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1749	0.39	ng	0.00
5) Phenol-d6	7.11	99	2704	0.38	ng	-0.02
8) Nitrobenzene-d5	9.08	82	2365	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	4449	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	596	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5923	0.39	ng	0.00
25) Fluoranthene-d10	19.28	212	46425	0.40	ng	0.00
29) Terphenyl-d14	19.87	244	8018	0.37	ng	0.00
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	965	0.426	ng	# 86
3) n-Nitrosodimethylamine	3.75	42	803	0.345	ng	# 86
6) bis(2-Chloroethyl)ether	7.33	93	2050	0.393	ng	93
9) Naphthalene	10.74	128	31637	0.399	ng	100
10) Hexachlorobutadiene	11.01	225	1205	0.380	ng	98
12) 2-Methylnaphthalene	12.36	142	5367	0.410	ng	98
16) Acenaphthylene	14.24	152	9172	0.393	ng	100
17) Acenaphthene	14.58	154	5734	0.390	ng	98
18) Fluorene	15.56	166	7531	0.397	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1514	0.418	ng	# 1
21) Hexachlorobenzene	16.58	284	2513	0.356	ng	# 56
22) Pentachlorophenol	17.01	266	170	0.379	ng	95
23) Phenanthrene	17.30	178	18785	0.659	ng	# 84
24) Anthracene	17.30	178	18816	0.855	ng	# 86
26) Fluoranthene	19.31	202	14150	0.400	ng	100
28) Pyrene	19.67	202	14790	0.369	ng	99
30) Benzo(a)anthracene	21.40	228	14188	0.386	ng	# 63
31) Chrysene	21.46	228	13498	0.381	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.29	149	37977	0.359	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	13681	0.384	ng	99
35) Benzo(b)fluoranthene	23.17	252	12902	0.379	ng	# 43
36) Benzo(k)fluoranthene	23.22	252	13541	0.404	ng	# 43
37) Benzo(a)pyrene	23.84	252	12370	0.387	ng	# 37
38) Dibenzo(a,h)anthracene	26.65	278	11617	0.384	ng	# 47
39) Benzo(g,h,i)perylene	27.47	276	11332	0.389	ng	# 58

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

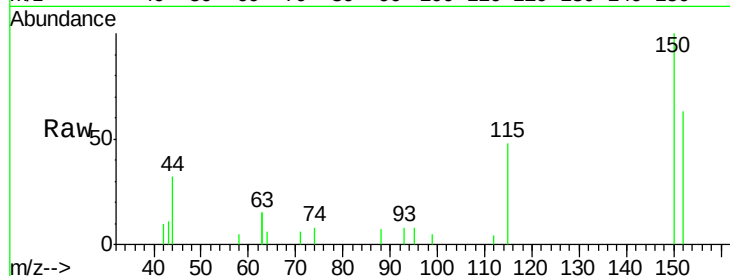
Tgt Ion:152 Resp: 1338

Ion Ratio Lower Upper

152 100

150 159.7 117.2 175.8

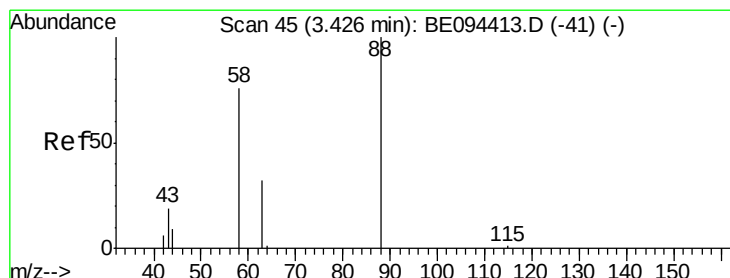
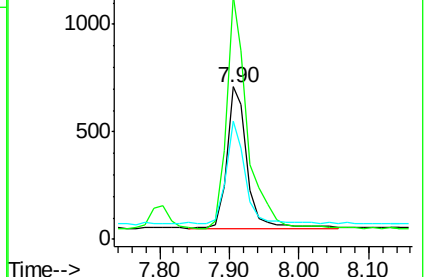
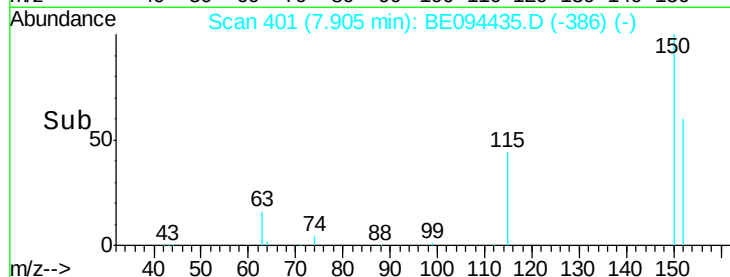
115 77.2 57.0 85.6



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: 0.426 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

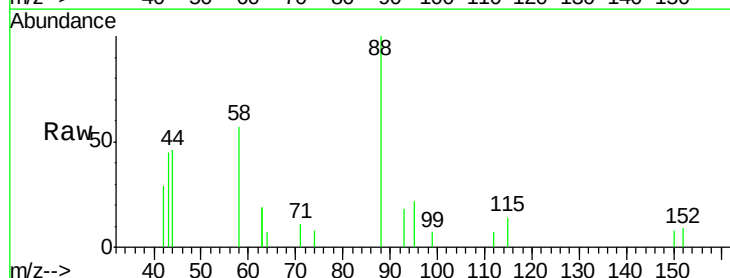
Tgt Ion: 88 Resp: 965

Ion Ratio Lower Upper

88 100

58 76.0 63.2 94.8

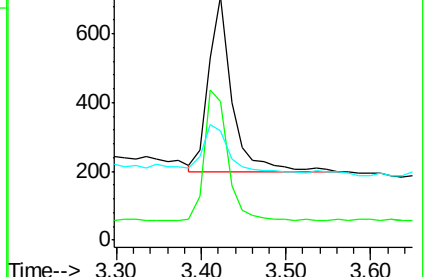
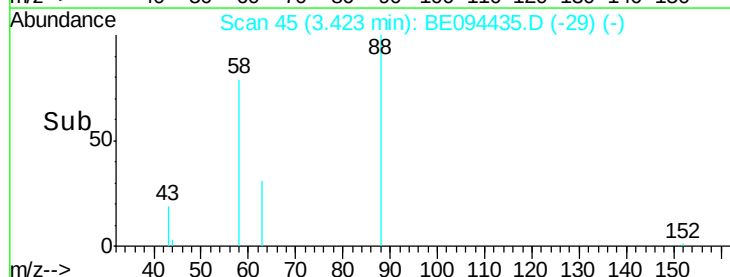
43 30.3 41.2 61.8#

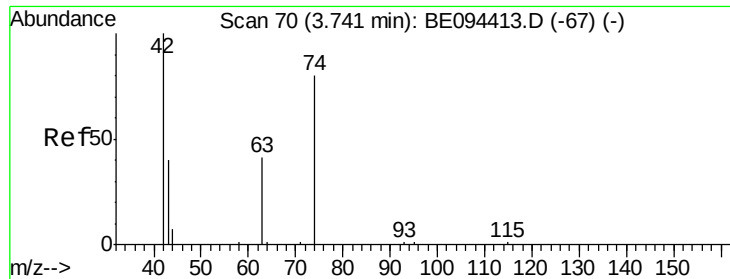


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



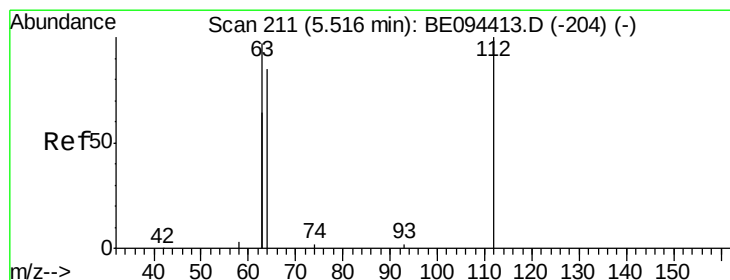
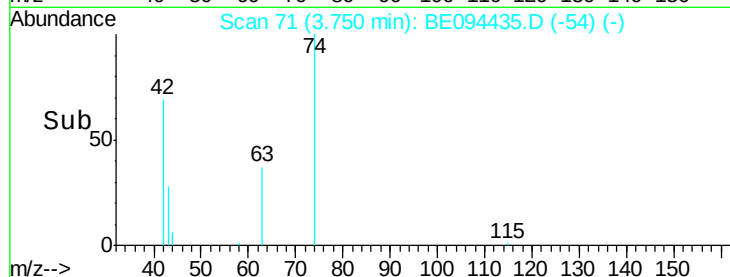
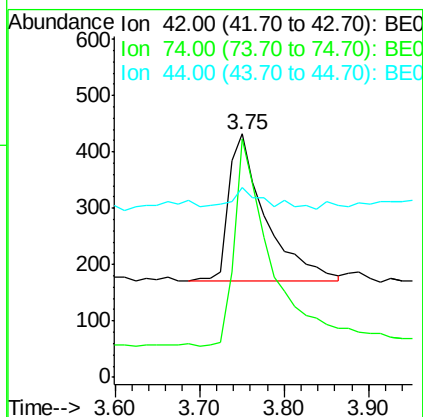
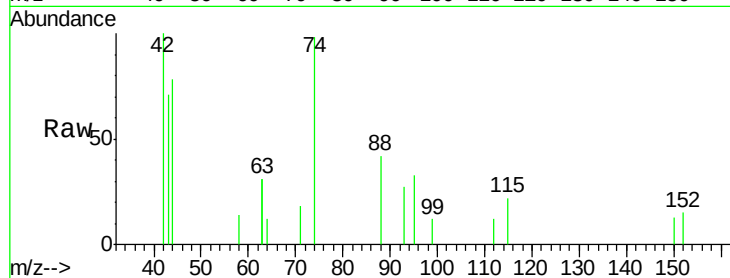


#3

n-Nitrosodimethylamine
 Concen: 0.345 ng
 RT: 3.75 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: BE094435.D
 Acq: 17 Oct 2017 18:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

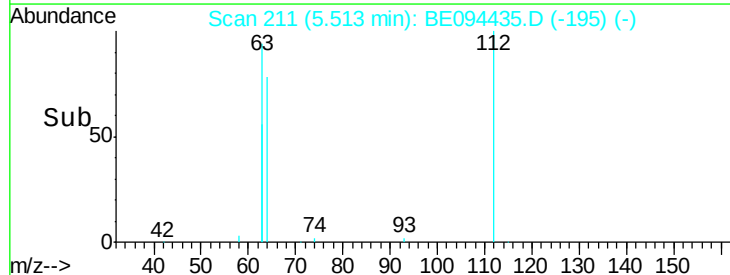
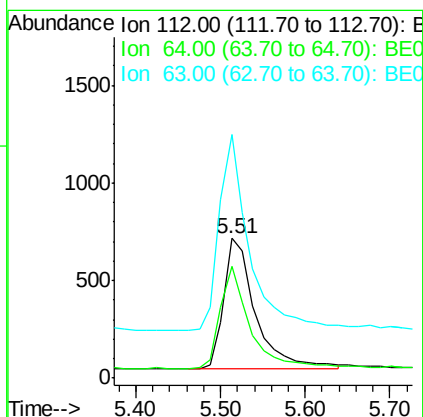
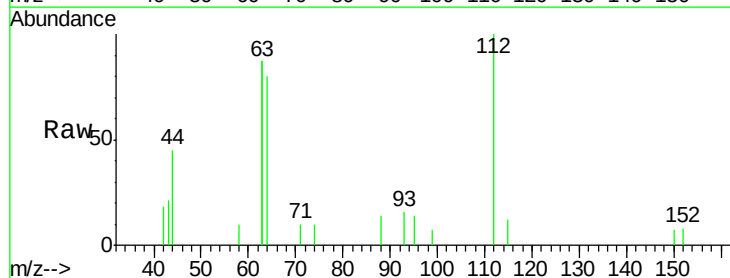
Tgt Ion: 42 Resp: 803
 Ion Ratio Lower Upper
 42 100
 74 141.0 100.3 150.5
 44 12.8 17.0 25.4#

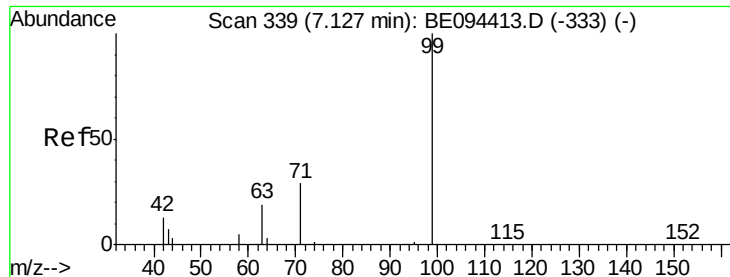


#4

2-Fluorophenol
 Concen: 0.387 ng
 RT: 5.51 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE094435.D
 Acq: 17 Oct 2017 18:39

Tgt Ion: 112 Resp: 1749
 Ion Ratio Lower Upper
 112 100
 64 72.3 60.1 90.1
 63 142.5 116.8 175.2





#5

Phenol-d6

Concen: 0.383 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

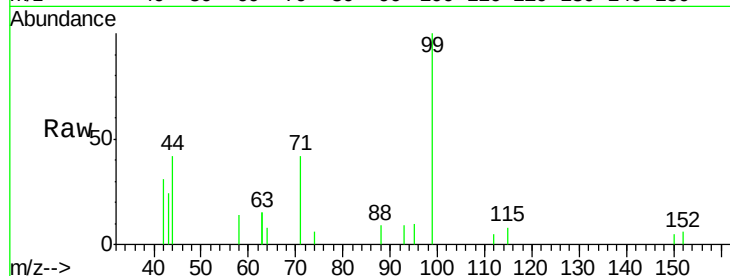
Tgt Ion: 99 Resp: 2704

Ion Ratio Lower Upper

99 100

42 19.7 20.2 30.2#

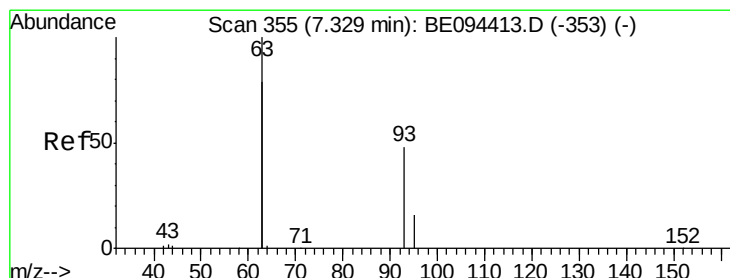
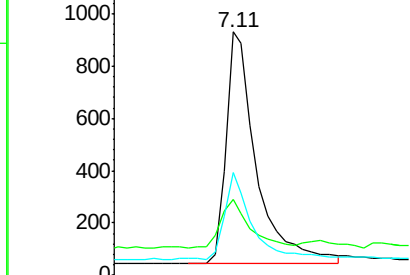
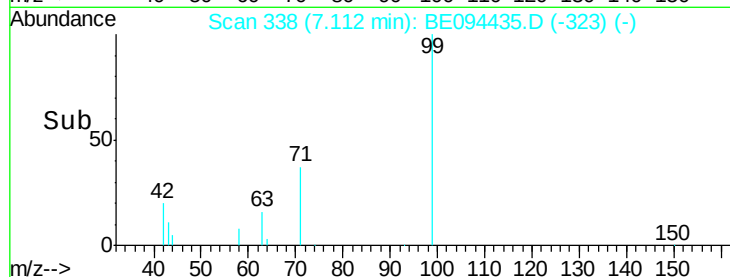
71 32.8 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.393 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

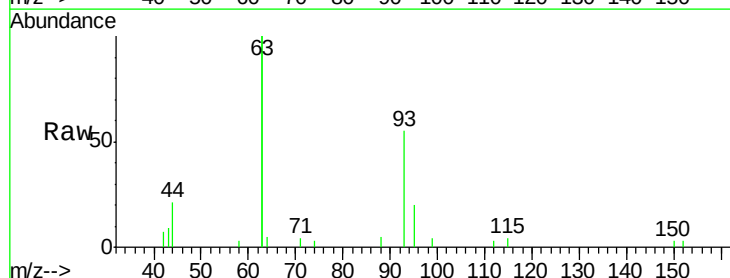
Tgt Ion: 93 Resp: 2050

Ion Ratio Lower Upper

93 100

63 328.2 275.3 412.9

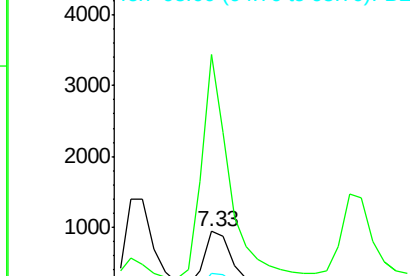
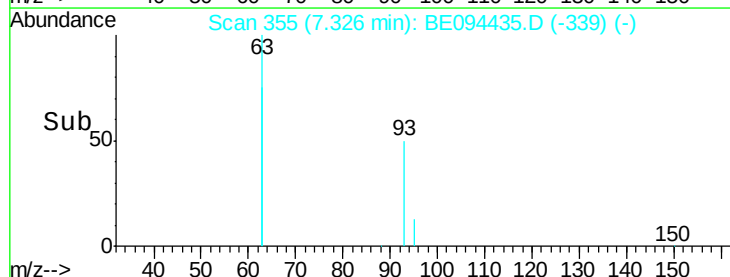
95 31.6 25.2 37.8

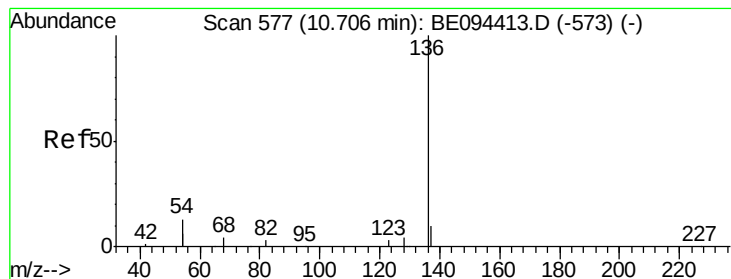


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:136 Resp: 7094

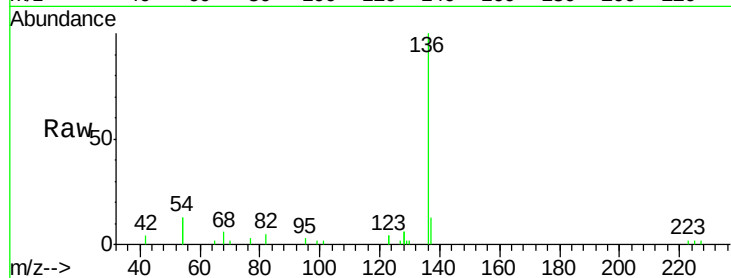
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 26.3 29.1 43.7#

68 5.6 6.2 9.2#

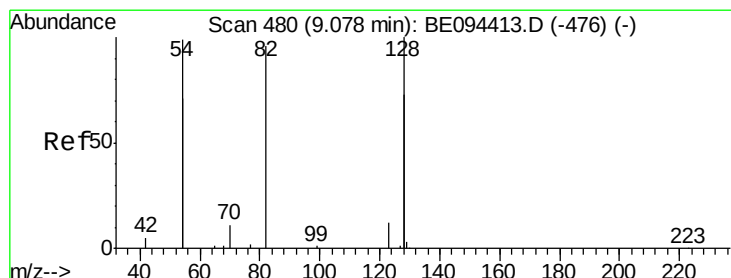
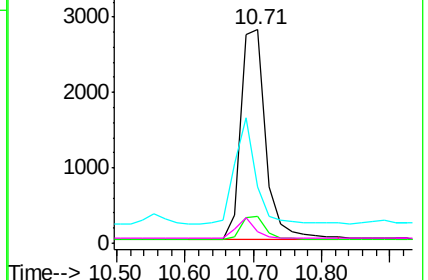
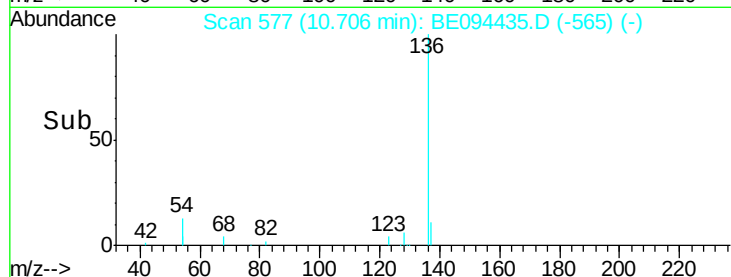


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.384 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

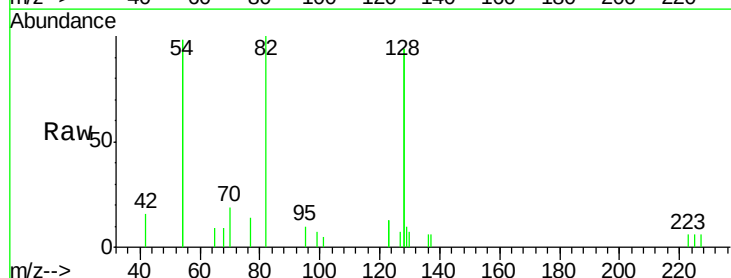
Tgt Ion: 82 Resp: 2365

Ion Ratio Lower Upper

82 100

128 187.7 150.0 225.0

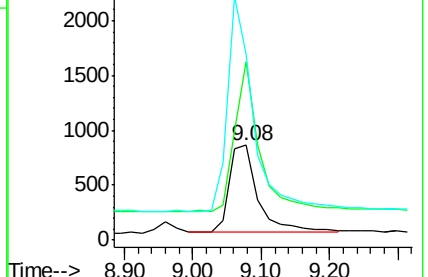
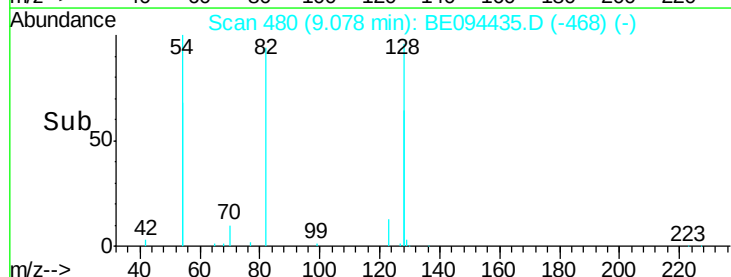
54 195.8 154.2 231.4

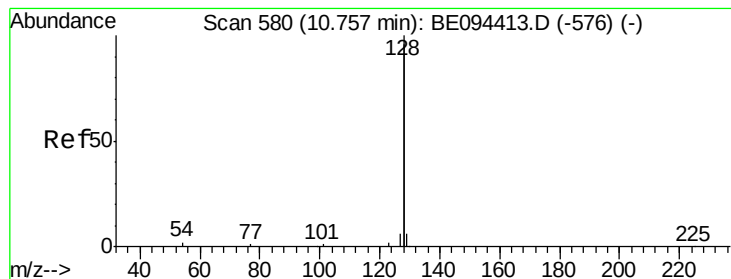


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

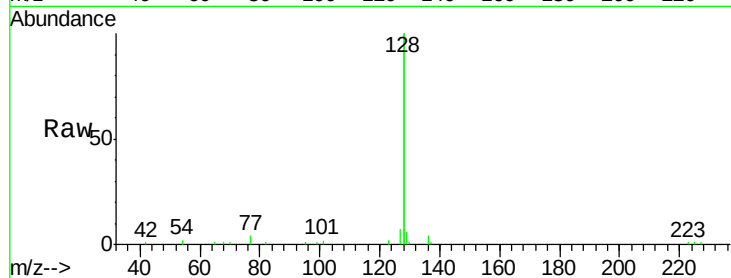
Tgt Ion:128 Resp: 31637

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

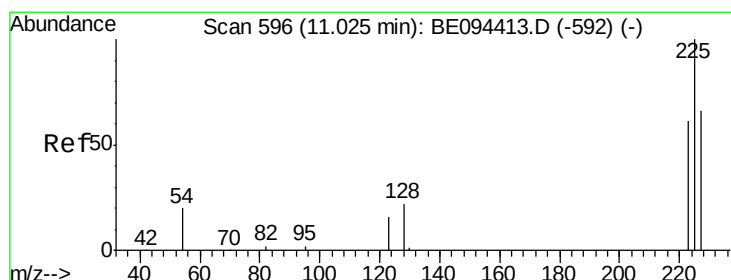
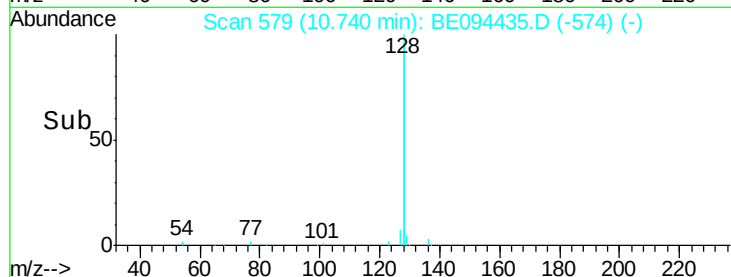
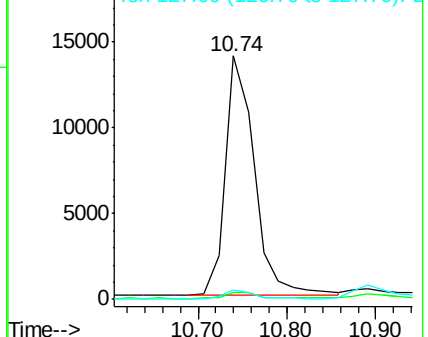
127 3.6 2.8 4.2



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: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

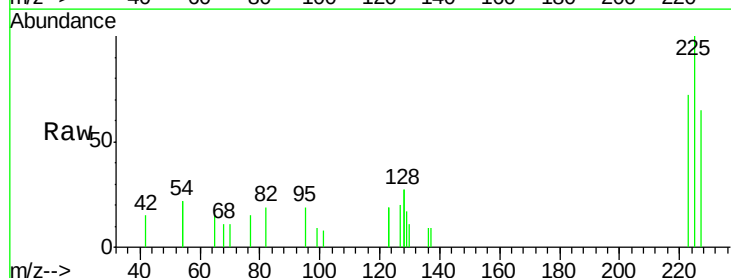
Tgt Ion:225 Resp: 1205

Ion Ratio Lower Upper

225 100

223 63.7 53.0 79.6

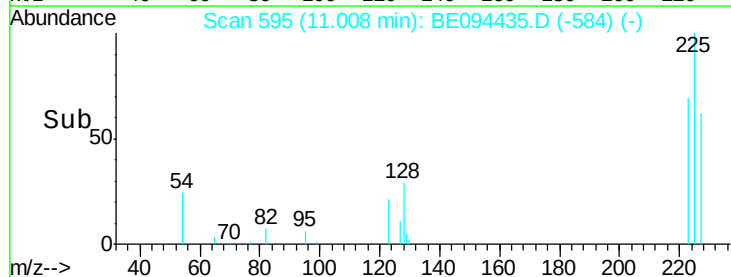
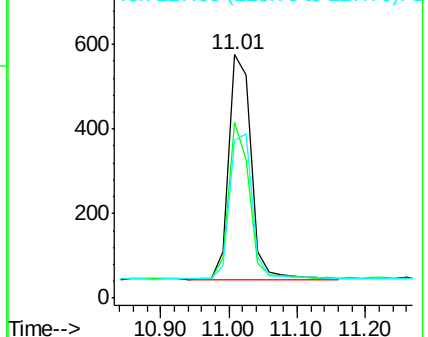
227 64.8 51.4 77.2

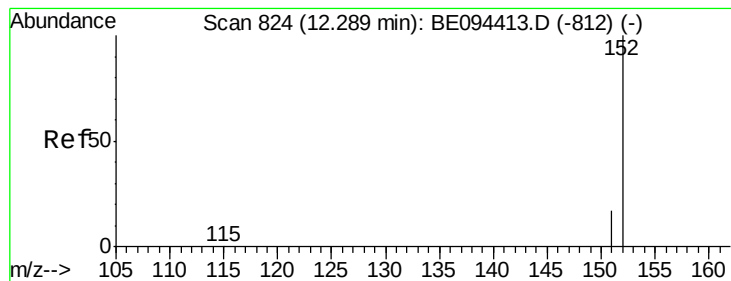


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.407 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

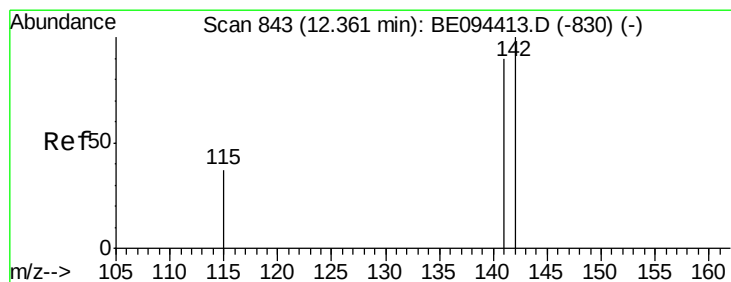
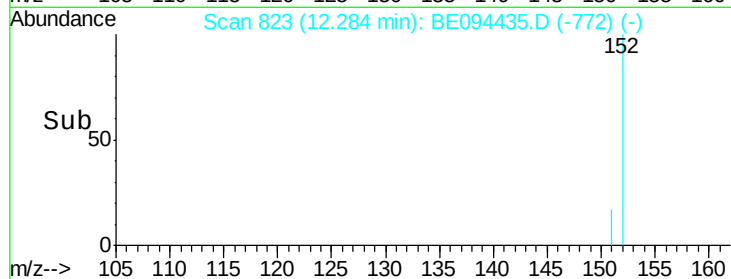
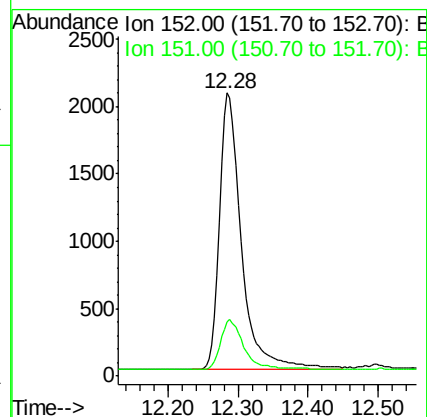
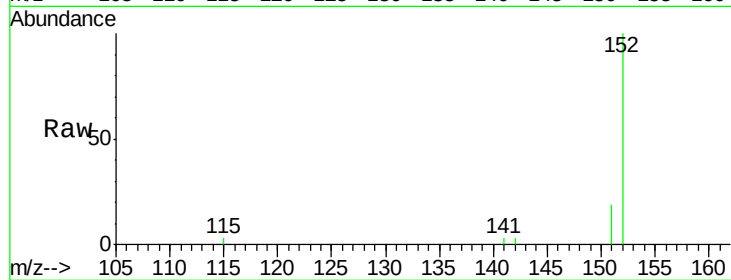
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4449

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.410 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

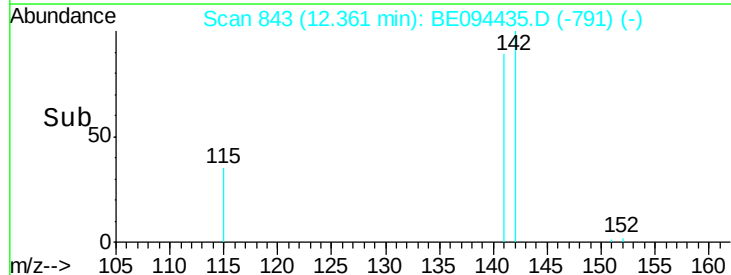
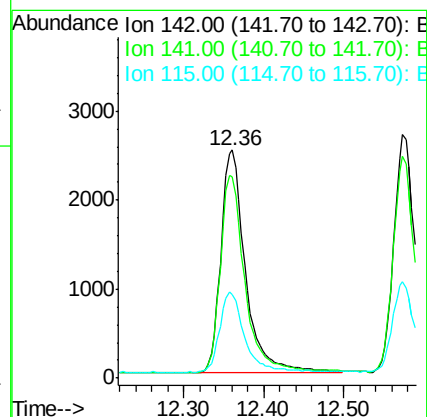
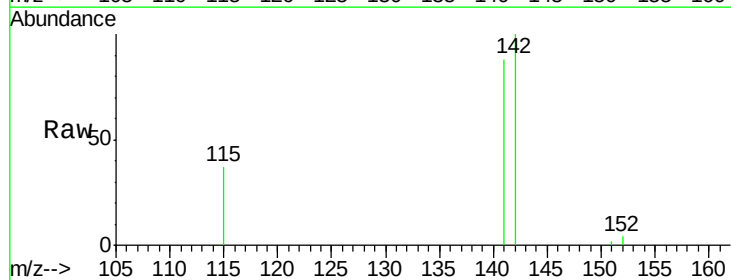
Tgt Ion:142 Resp: 5367

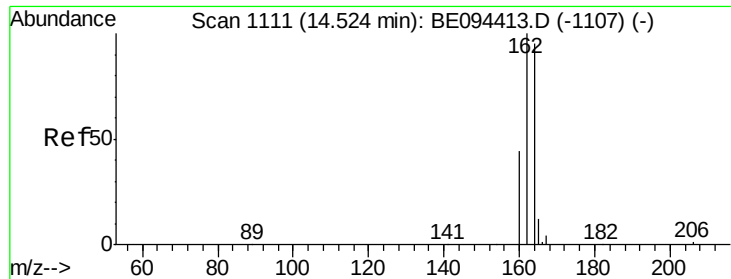
Ion Ratio Lower Upper

142 100

141 88.3 70.4 105.6

115 36.9 31.7 47.5

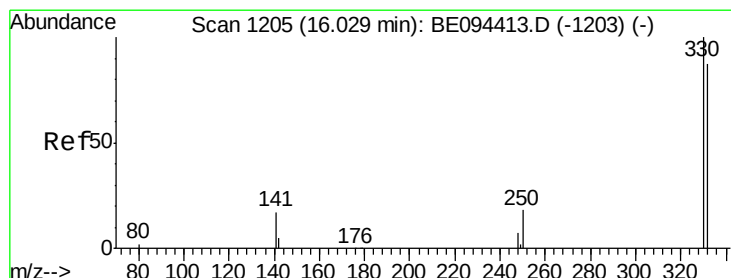
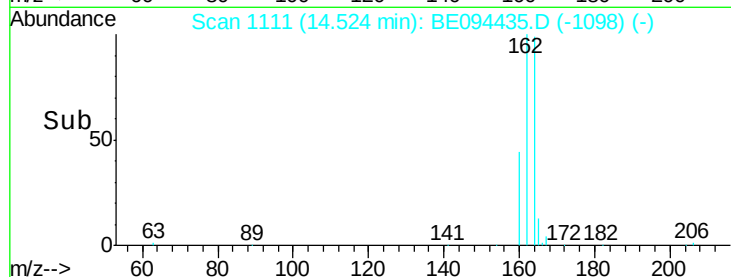
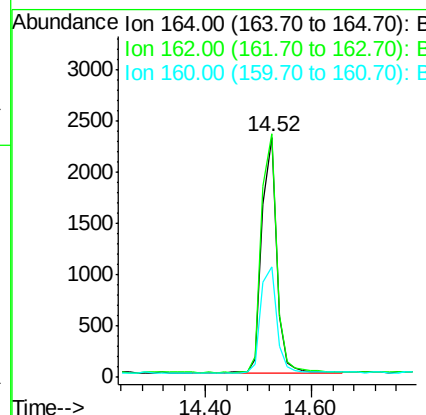
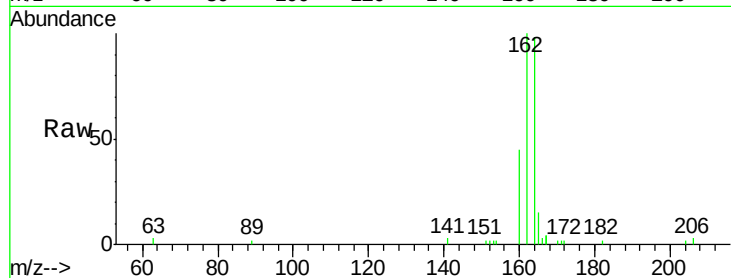




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

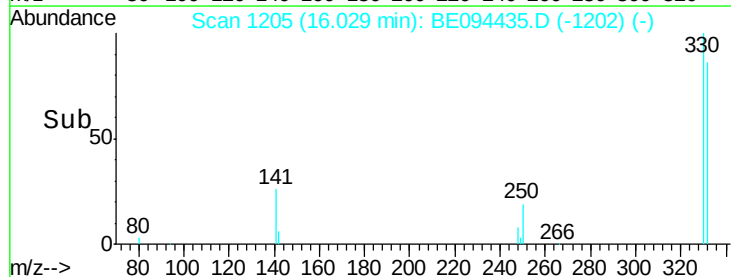
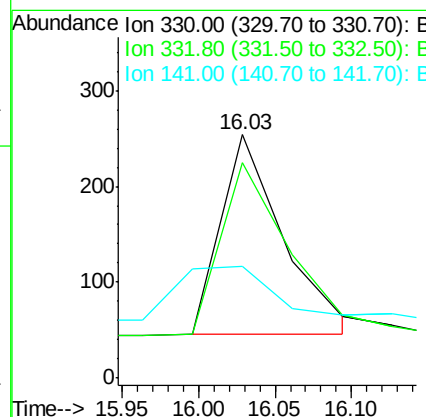
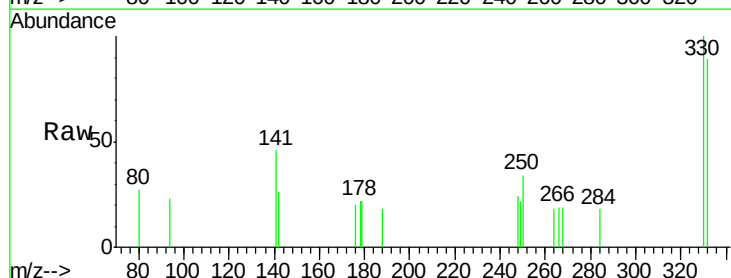
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

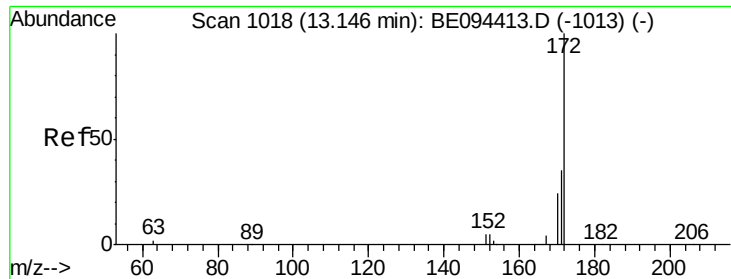
Tgt Ion:164 Resp: 4307
Ion Ratio Lower Upper
164 100
162 101.5 83.1 124.7
160 46.1 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 16.03 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

Tgt Ion:330 Resp: 596
Ion Ratio Lower Upper
330 100
332 93.1 152.7 229.1#
141 0.0 33.7 50.5#

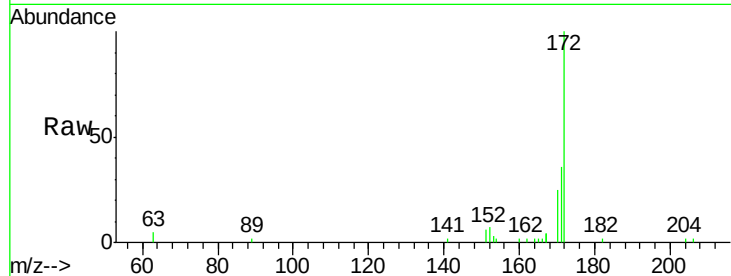




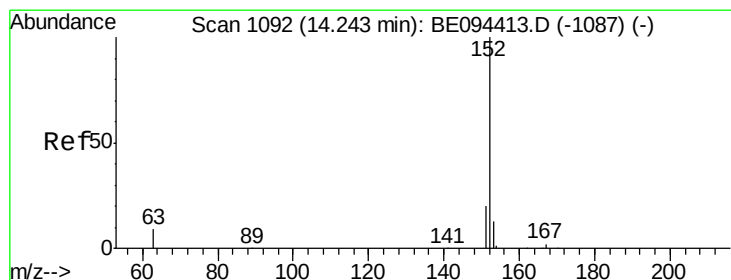
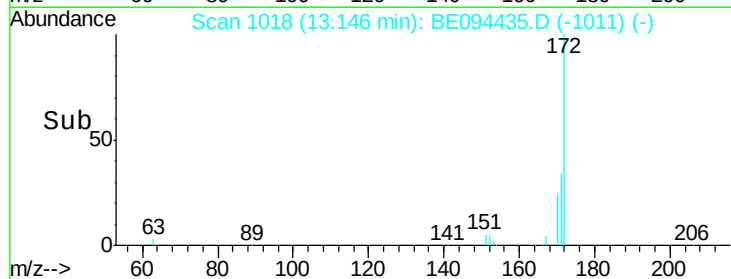
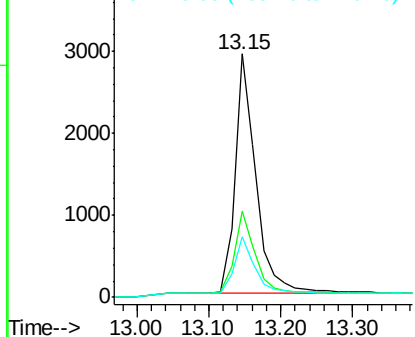
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 5923
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 25.0 21.8 32.8

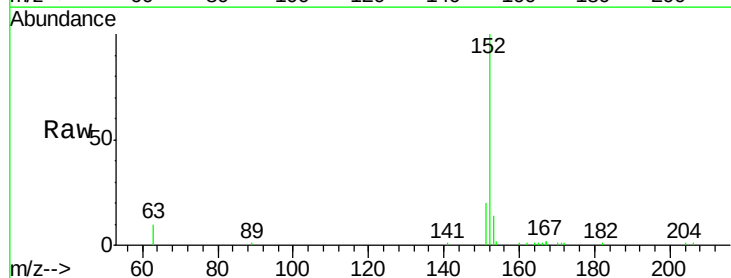


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

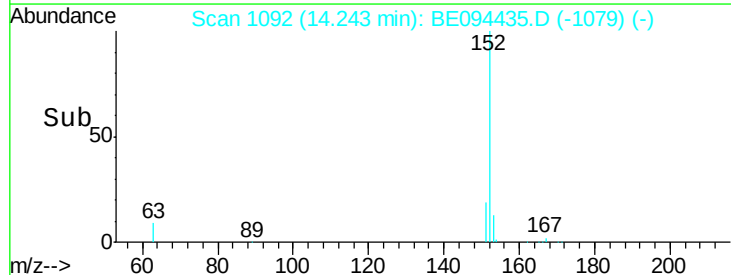
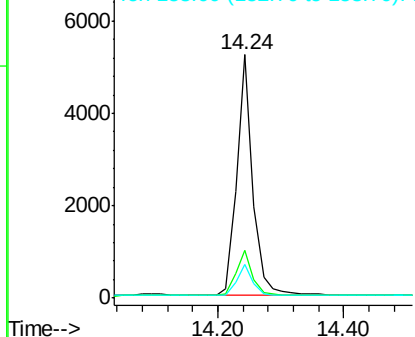


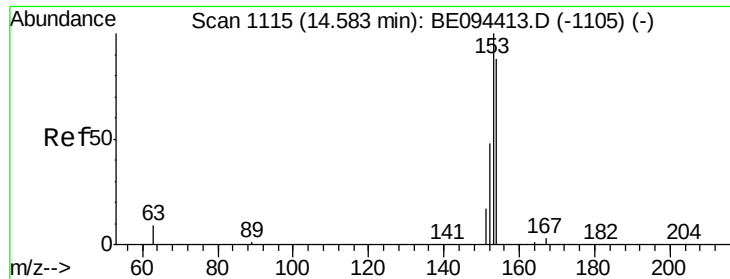
#16
Acenaphthylene
Concen: 0.393 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

Tgt Ion:152 Resp: 9172
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.1 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

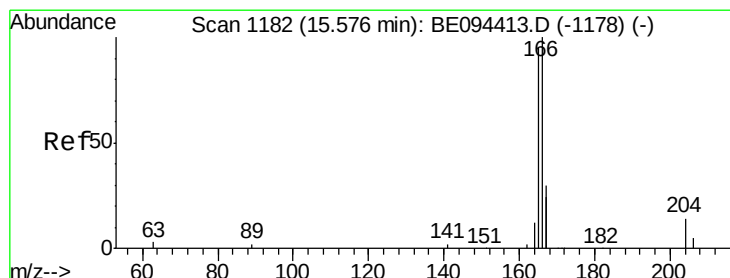
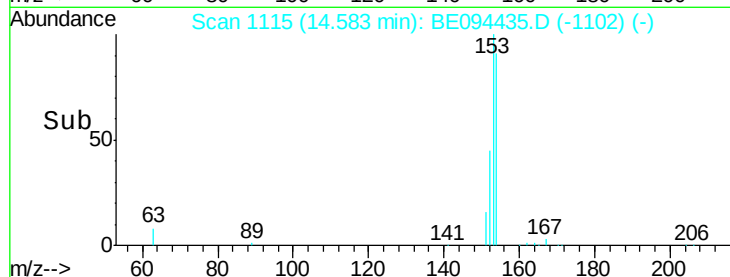
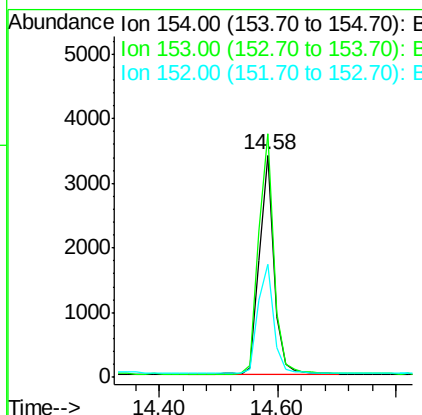
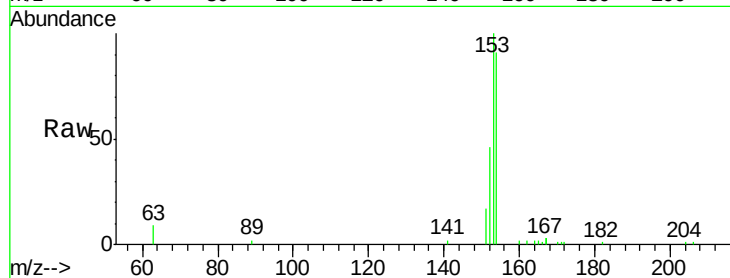




#17
Acenaphthene
Concen: 0.390 ng
RT: 14.58 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

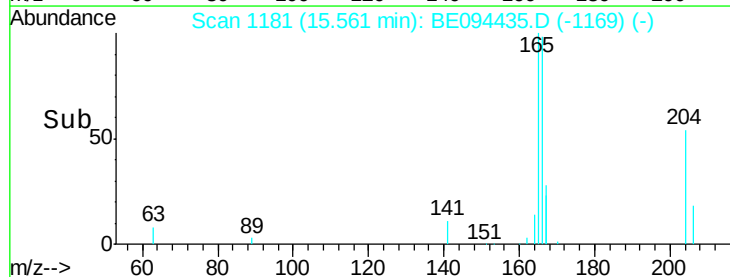
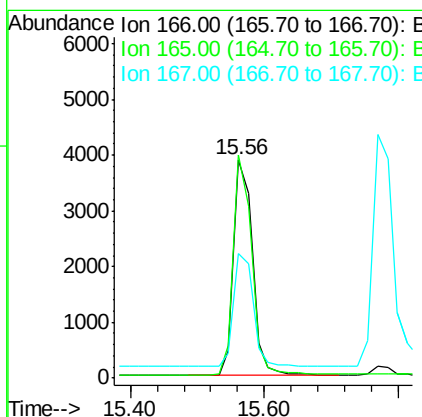
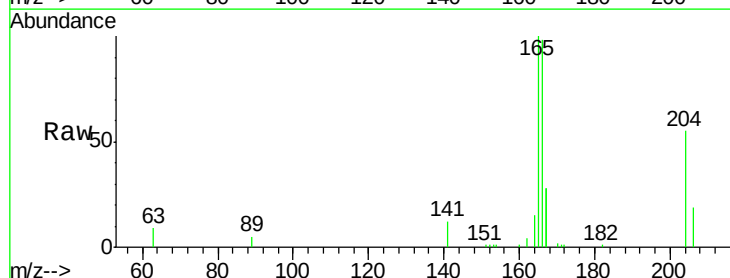
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

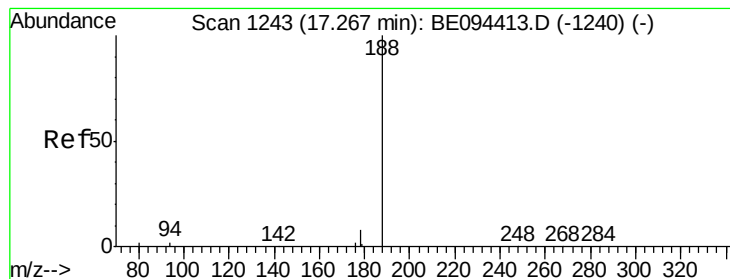
Tgt Ion:154 Resp: 5734
Ion Ratio Lower Upper
154 100
153 113.4 89.2 133.8
152 53.7 42.0 63.0



#18
Fluorene
Concen: 0.397 ng
RT: 15.56 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

Tgt Ion:166 Resp: 7531
Ion Ratio Lower Upper
166 100
165 97.7 77.8 116.6
167 53.9 42.4 63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1242

Delta R.T. -0.03 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

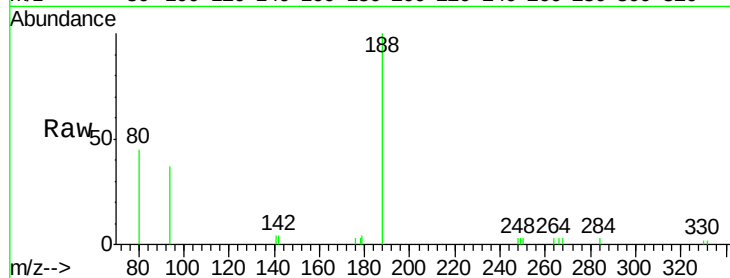
Tgt Ion:188 Resp: 7242

Ion Ratio Lower Upper

188 100

94 37.1 3.9 5.9#

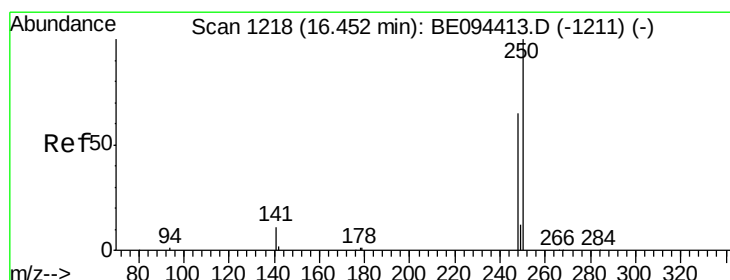
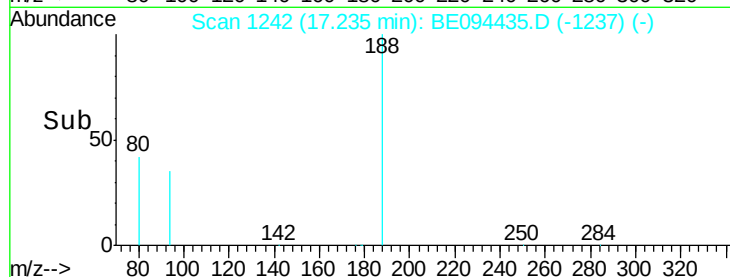
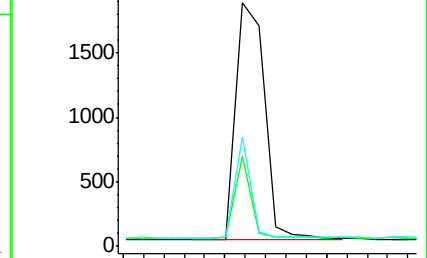
80 44.9 3.6 5.4#



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: 0.418 ng

RT: 16.42 min Scan# 1217

Delta R.T. -0.03 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

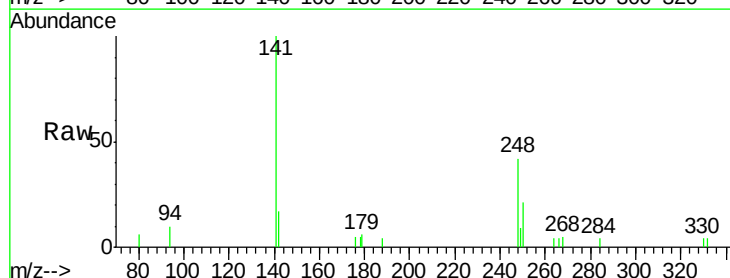
Tgt Ion:248 Resp: 1514

Ion Ratio Lower Upper

248 100

250 51.5 62.7 94.1#

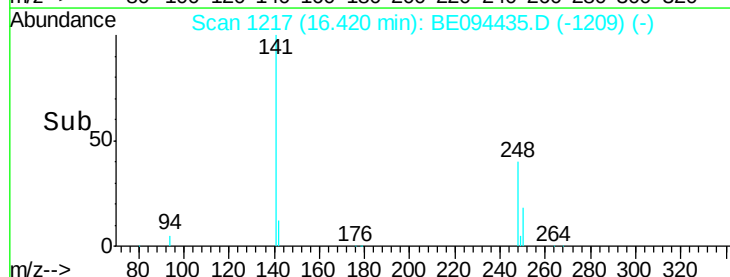
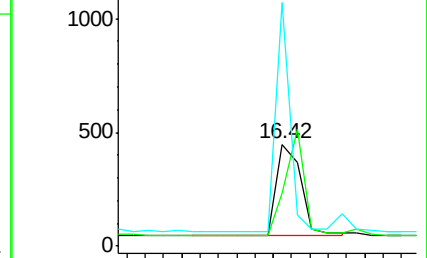
141 239.6 48.2 72.2#

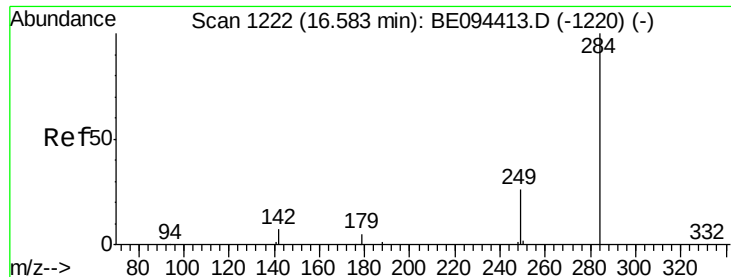


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

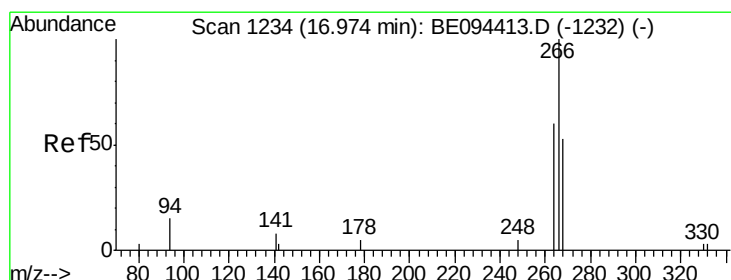
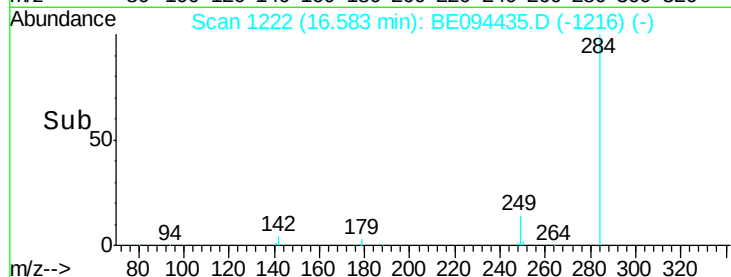
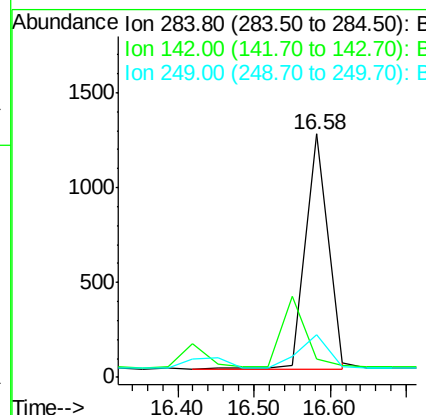
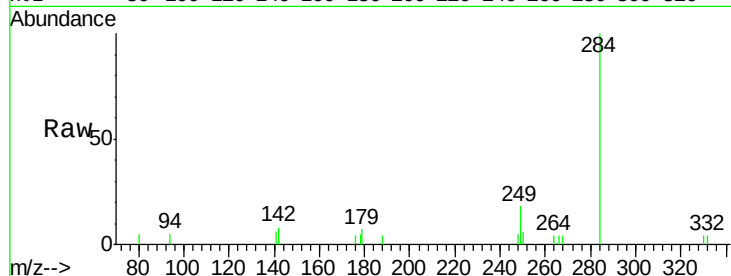




#21
Hexachlorobenzene
Concen: 0.356 ng
RT: 16.58 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

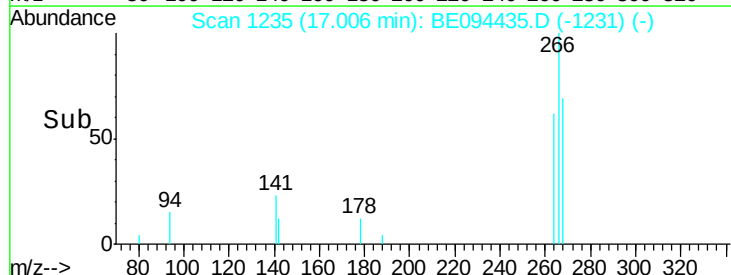
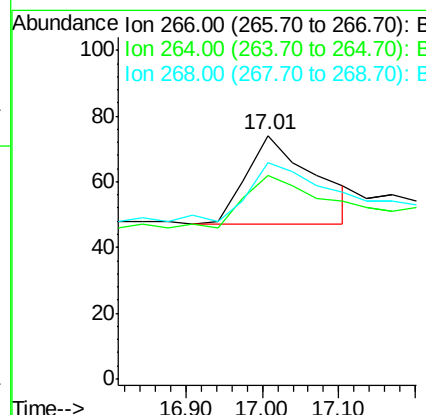
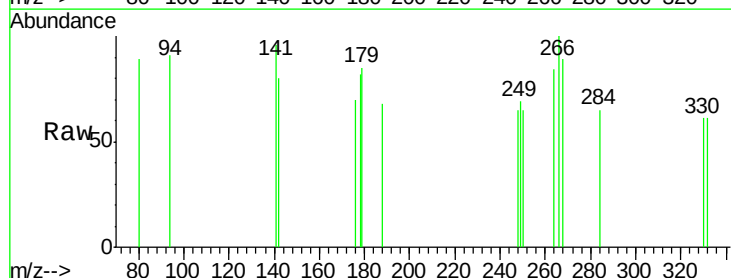
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

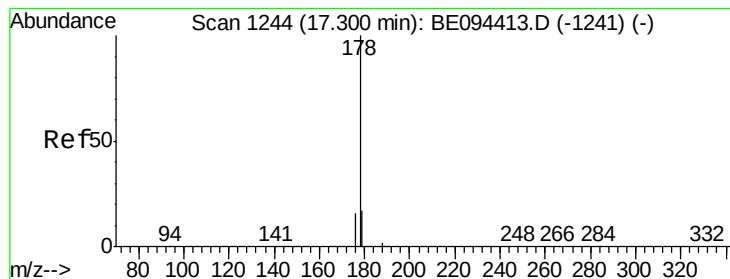
Tgt Ion: 284 Resp: 2513
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 18.6 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.379 ng
RT: 17.01 min Scan# 1235
Delta R.T. 0.03 min
Lab File: BE094435.D
Acq: 17 Oct 2017 18:39

Tgt Ion: 266 Resp: 170
Ion Ratio Lower Upper
266 100
264 83.8 72.5 108.7
268 89.2 73.8 110.6





#23

Phenanthrene

Concen: 0.659 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

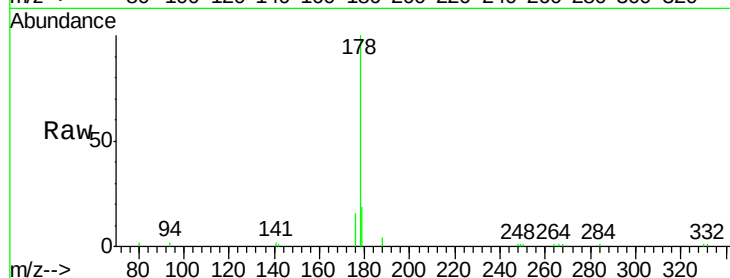
Tgt Ion:178 Resp: 18785

Ion Ratio Lower Upper

178 100

176 9.2 15.1 22.7#

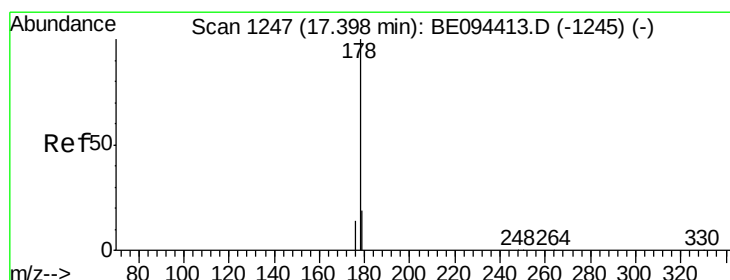
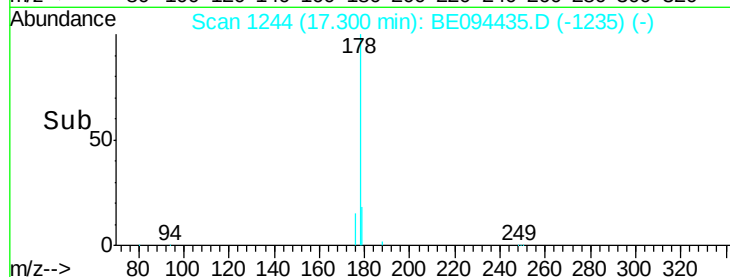
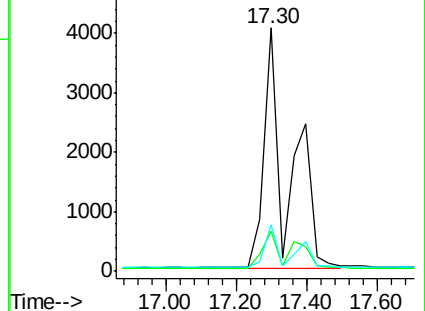
179 11.2 11.8 17.6#



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: 0.855 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

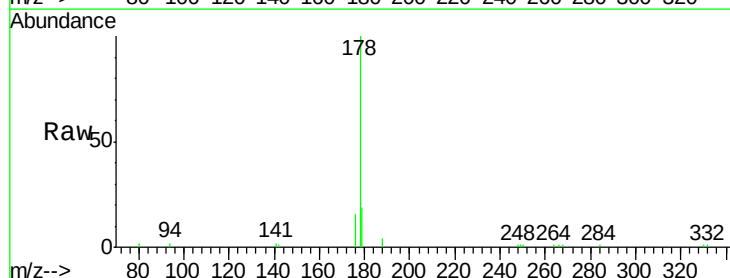
Tgt Ion:178 Resp: 18816

Ion Ratio Lower Upper

178 100

176 9.1 12.8 19.2#

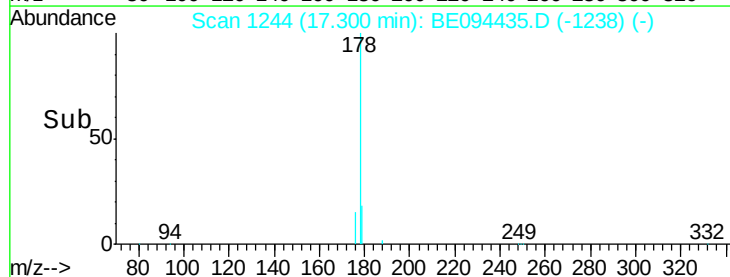
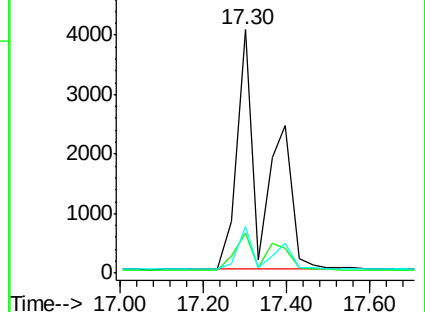
179 11.1 13.0 19.6#

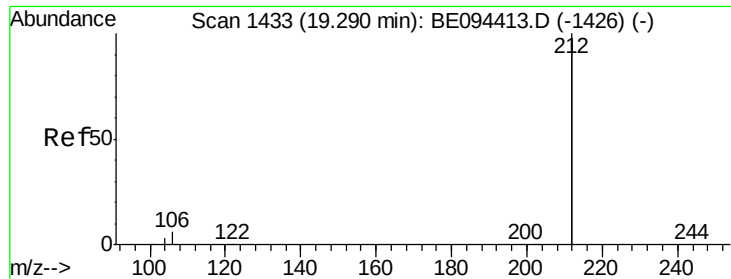


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.398 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

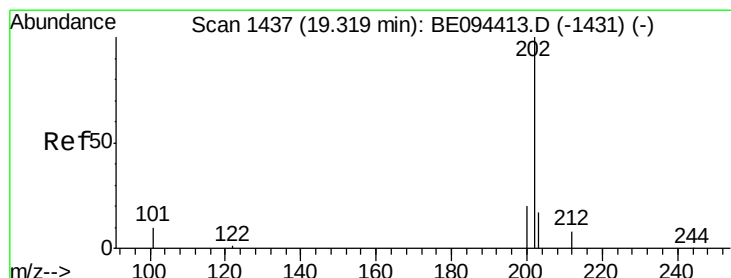
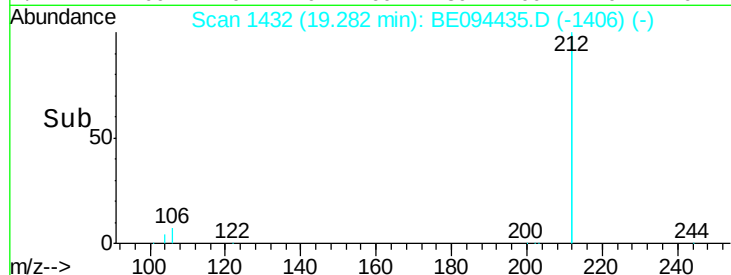
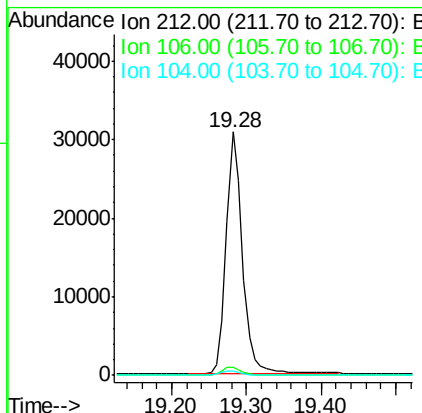
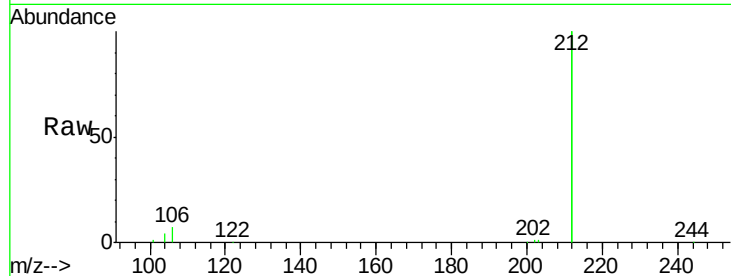
Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	212	Resp:	46425
Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	1.9	1.6	2.4



#26

Fluoranthene

Concen: 0.400 ng

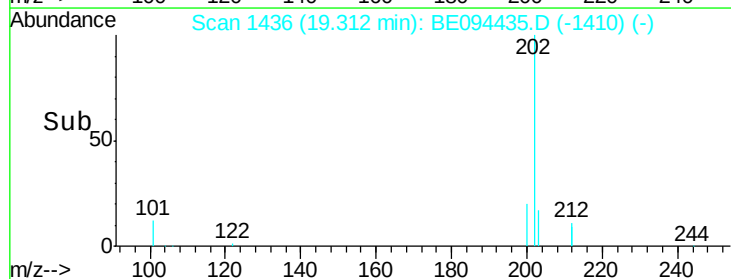
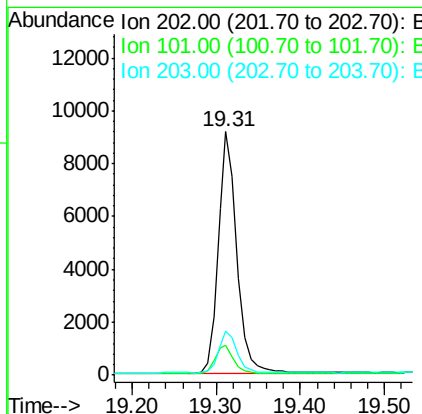
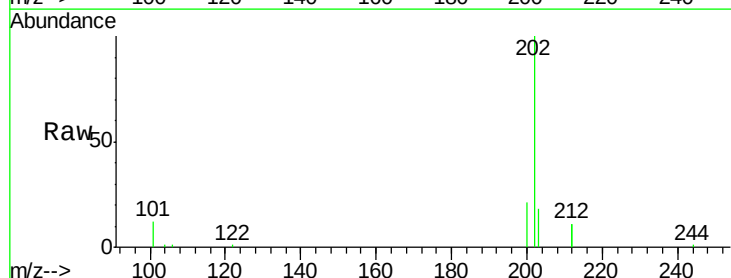
RT: 19.31 min Scan# 1436

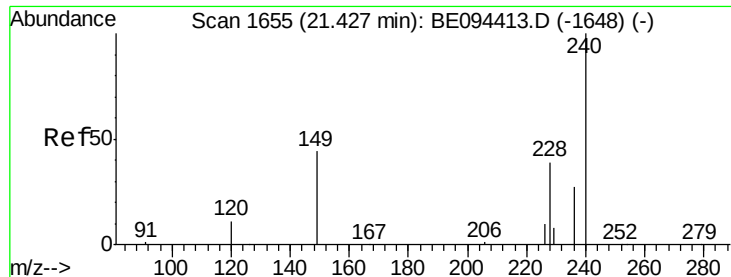
Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Tgt Ion:	202	Resp:	14150
Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
203	17.1	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

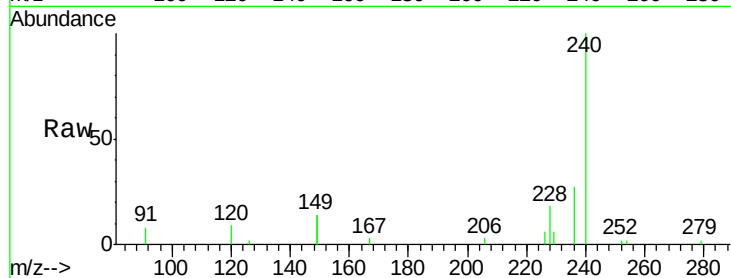
Tgt Ion:240 Resp: 10632

Ion Ratio Lower Upper

240 100

120 8.9 5.5 8.3#

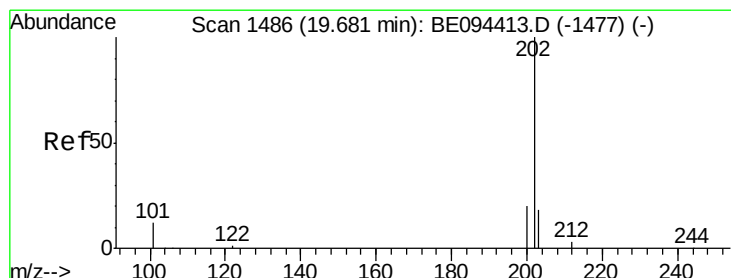
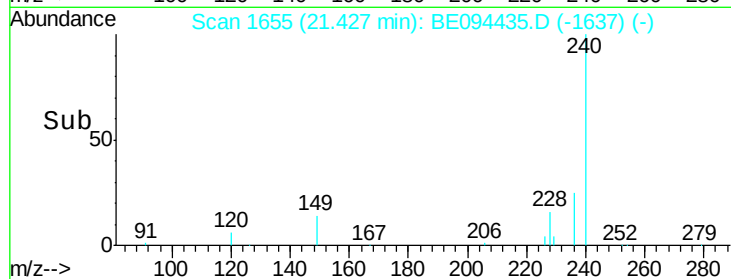
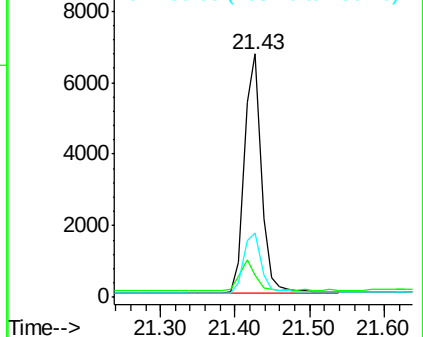
236 26.7 20.7 31.1



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: 0.369 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

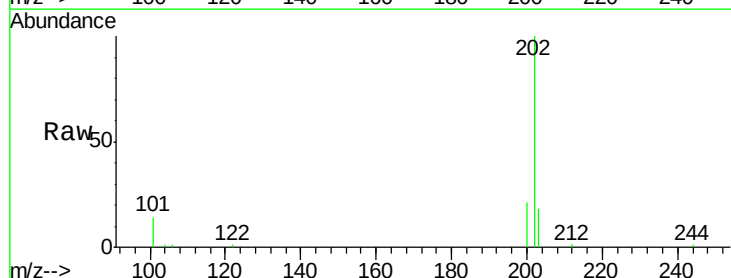
Tgt Ion:202 Resp: 14790

Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

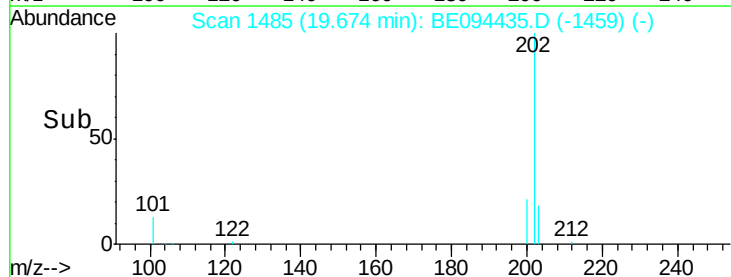
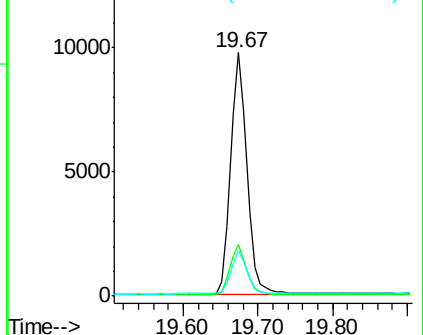
203 17.5 13.8 20.8

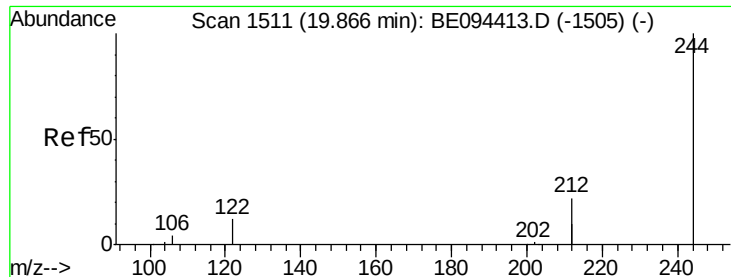


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

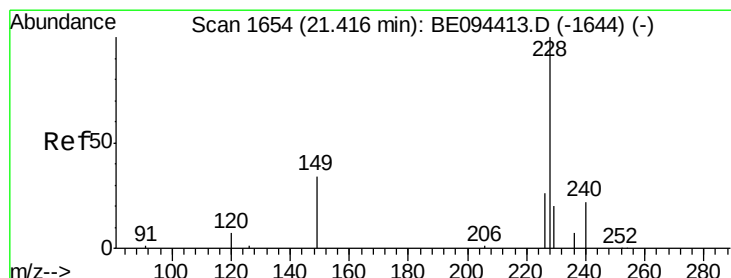
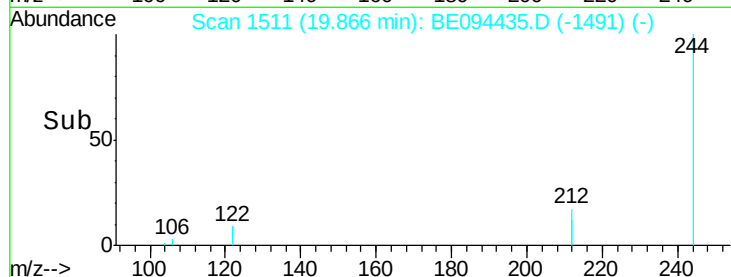
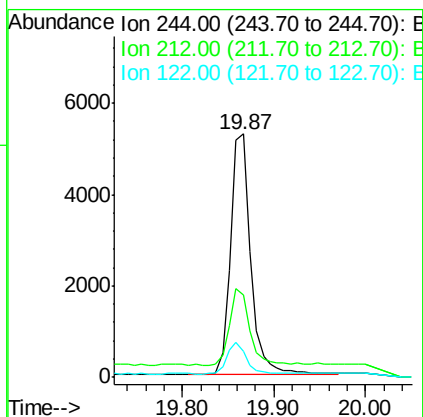
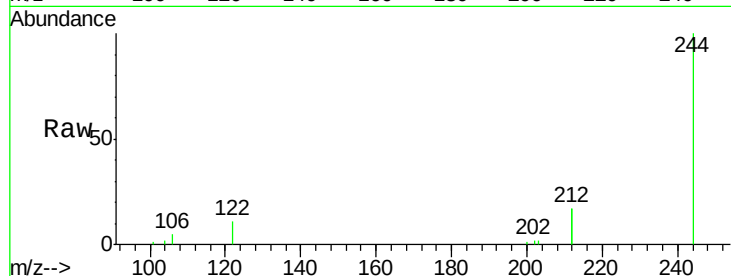




#29
 Terphenyl-d14
 Concen: 0.374 ng
 RT: 19.87 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: BE094435.D
 Acq: 17 Oct 2017 18:39

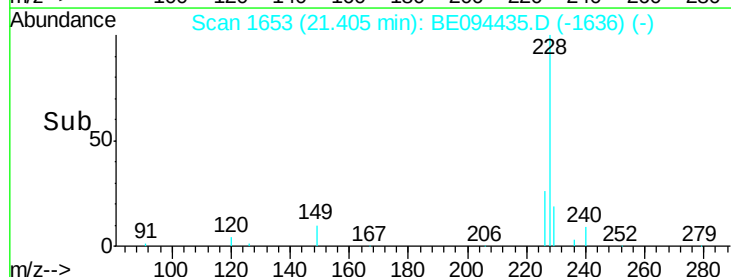
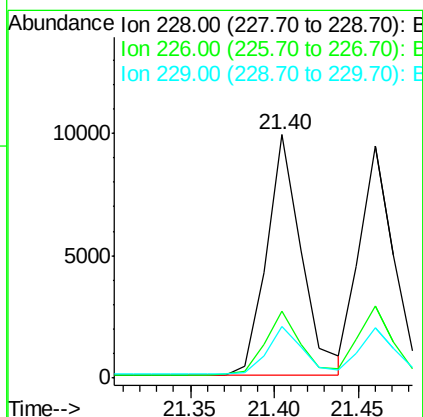
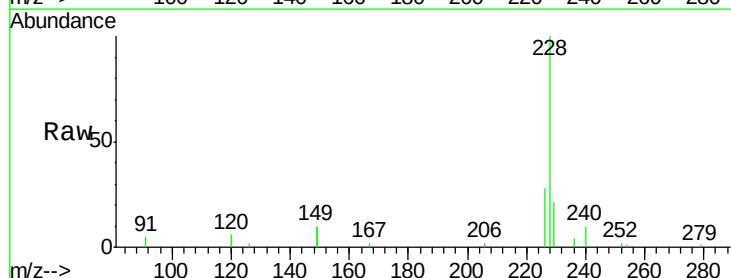
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

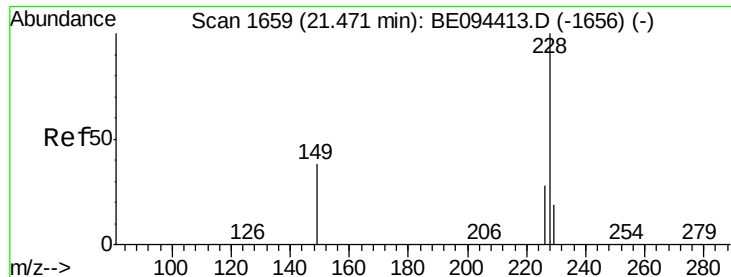
Tgt Ion: 244 Resp: 8018
 Ion Ratio Lower Upper
 244 100
 212 33.7 25.4 38.0
 122 10.5 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.386 ng
 RT: 21.40 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BE094435.D
 Acq: 17 Oct 2017 18:39

Tgt Ion: 228 Resp: 14188
 Ion Ratio Lower Upper
 228 100
 226 27.6 40.0 60.0#
 229 21.0 40.0 60.0#





#31

Chrysene

Concen: 0.381 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

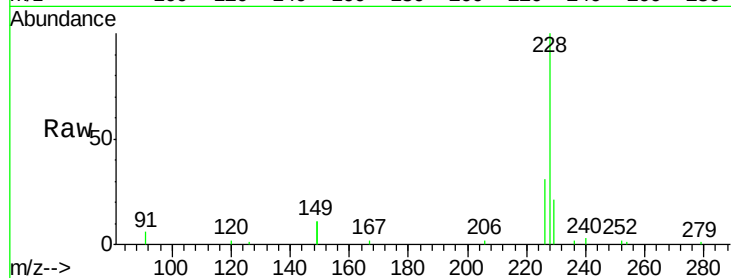
Tgt Ion: 228 Resp: 13498

Ion Ratio Lower Upper

228 100

226 31.0 40.0 60.0#

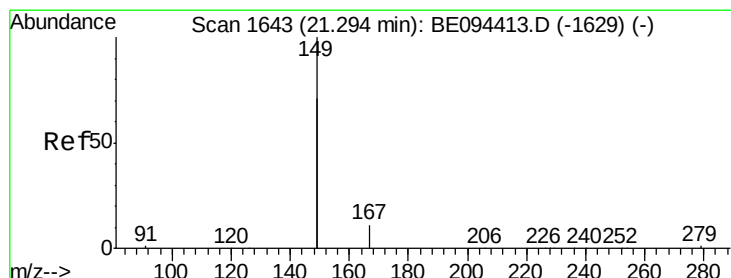
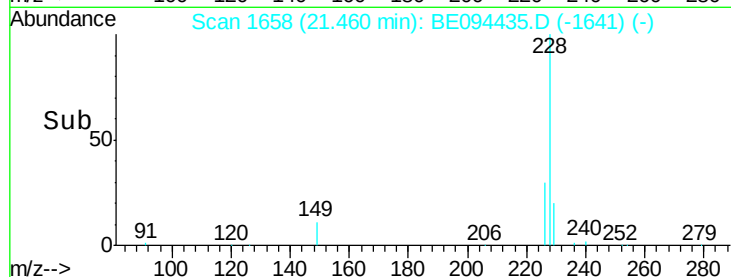
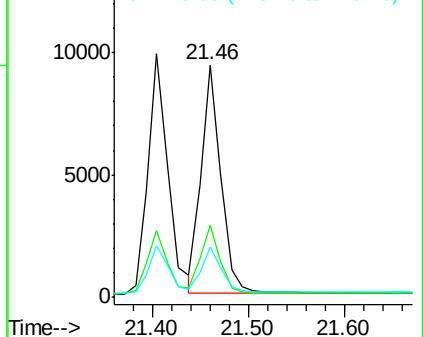
229 21.5 40.0 60.0#



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: 0.359 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

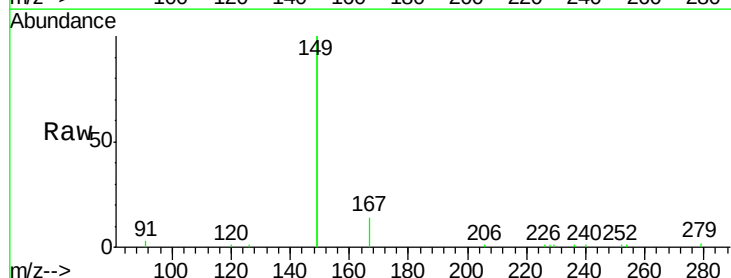
Tgt Ion: 149 Resp: 37977

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

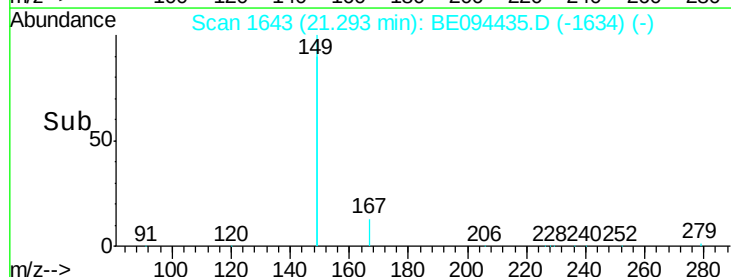
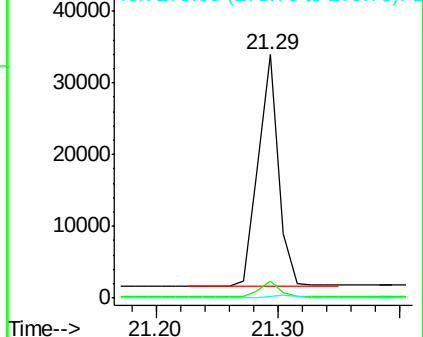
279 0.9 0.7 1.1

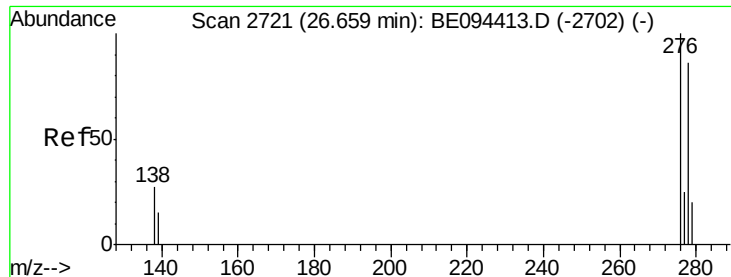


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.384 ng

RT: 26.64 min Scan# 2717

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

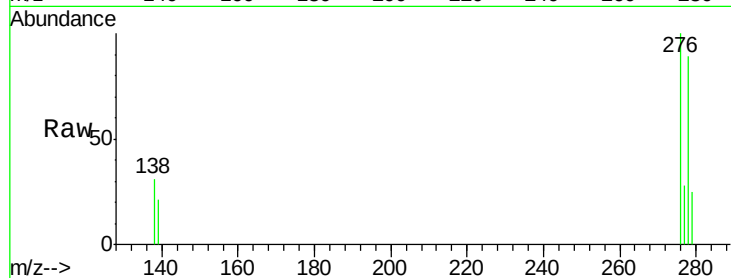
Tgt Ion:276 Resp: 13681

Ion Ratio Lower Upper

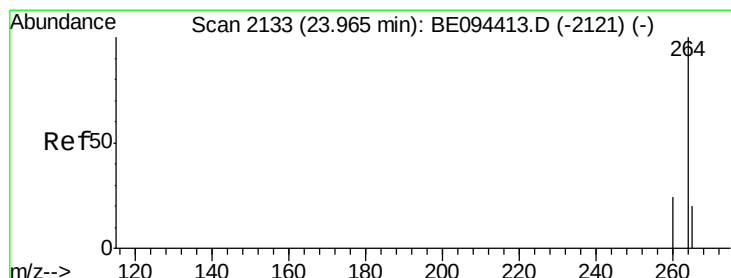
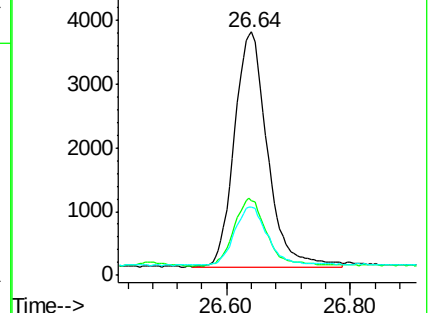
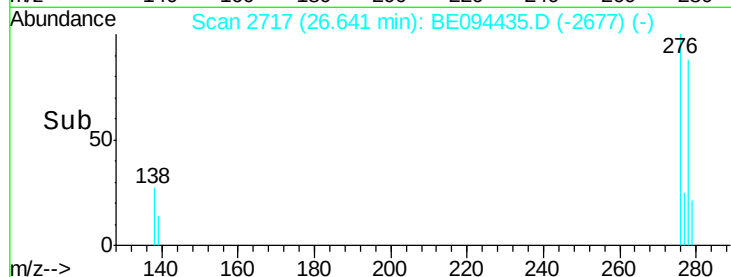
276 100

138 27.6 22.5 33.7

277 24.7 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: 23.95 min Scan# 2129

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

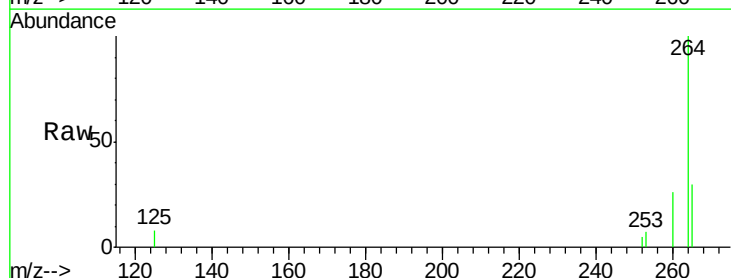
Tgt Ion:264 Resp: 10029

Ion Ratio Lower Upper

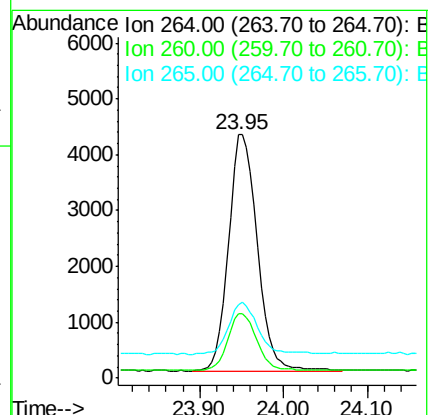
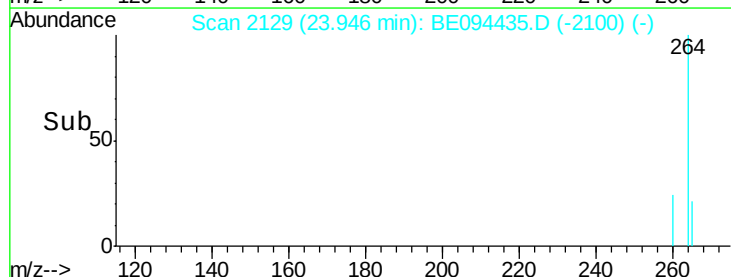
264 100

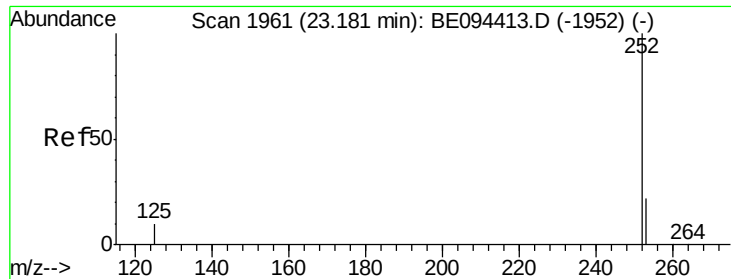
260 26.4 20.5 30.7

265 30.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.379 ng

RT: 23.17 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

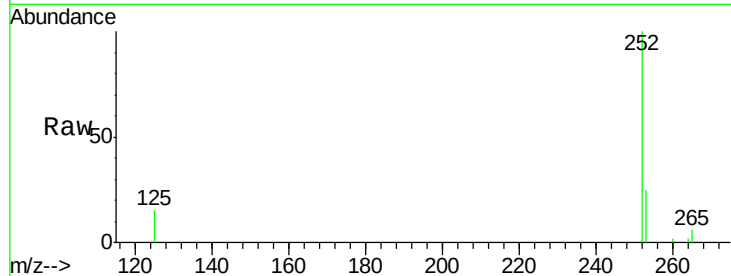
Tgt Ion:252 Resp: 12902

Ion Ratio Lower Upper

252 100

253 25.0 48.0 72.0#

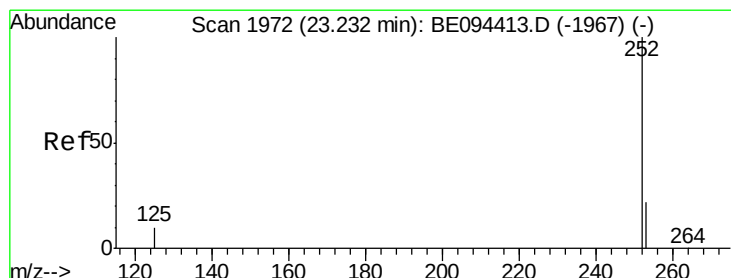
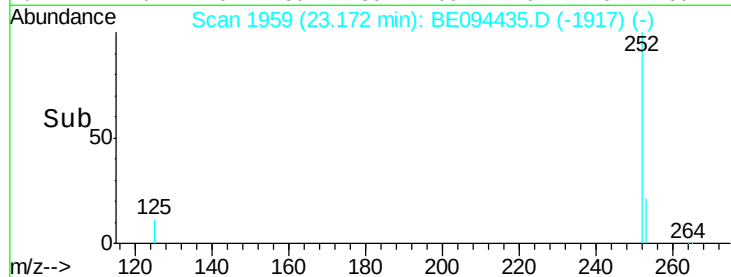
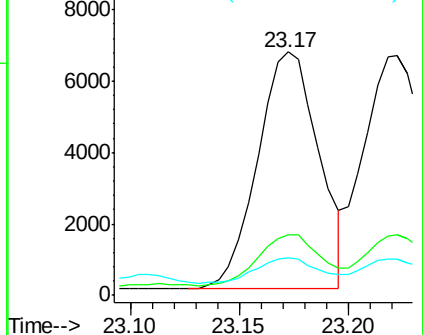
125 15.2 56.0 84.0#



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: 0.404 ng

RT: 23.22 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

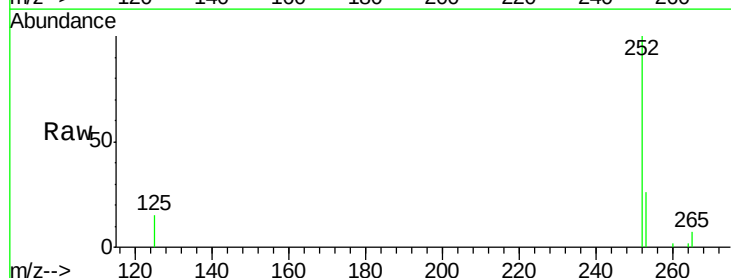
Tgt Ion:252 Resp: 13541

Ion Ratio Lower Upper

252 100

253 25.5 48.0 72.0#

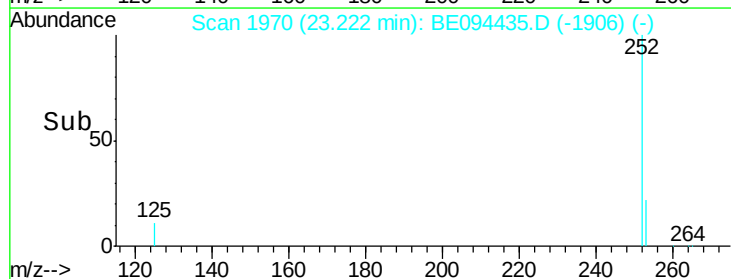
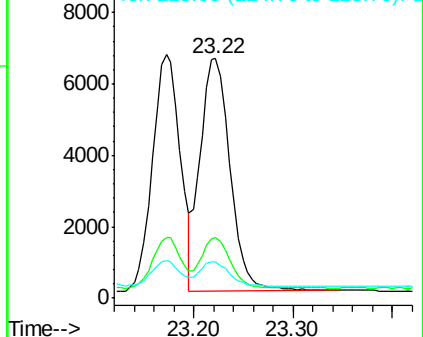
125 15.2 56.0 84.0#

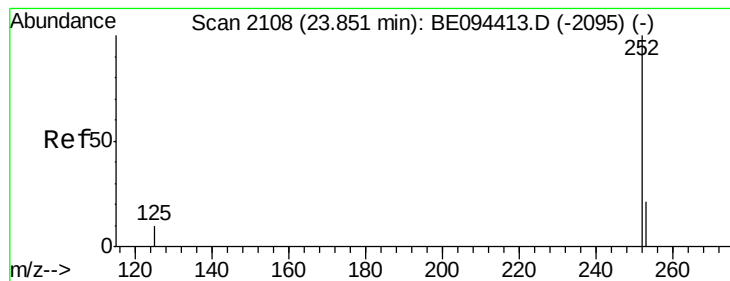


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.84 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

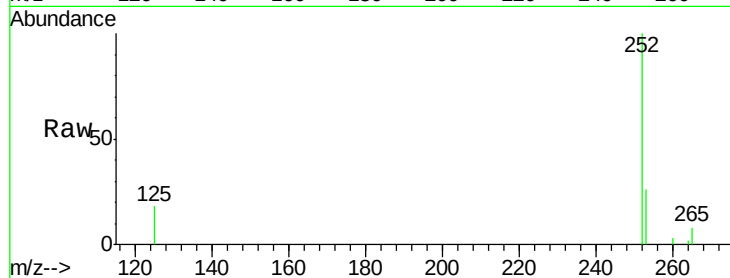
Tgt Ion:252 Resp: 12370

Ion Ratio Lower Upper

252 100

253 25.9 52.0 78.0#

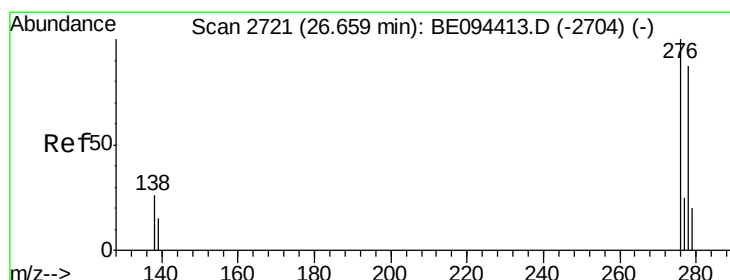
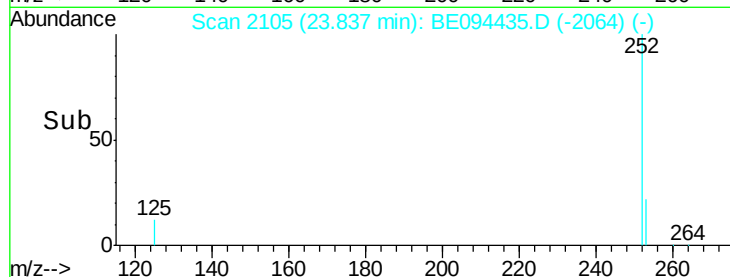
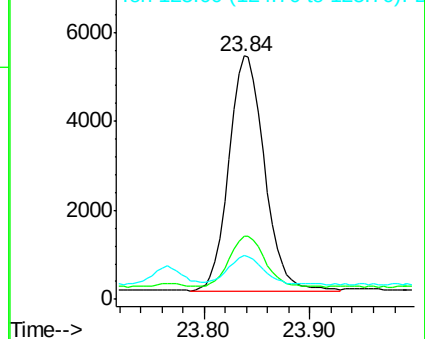
125 18.2 68.0 102.0#



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: 0.384 ng

RT: 26.65 min Scan# 2718

Delta R.T. -0.01 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

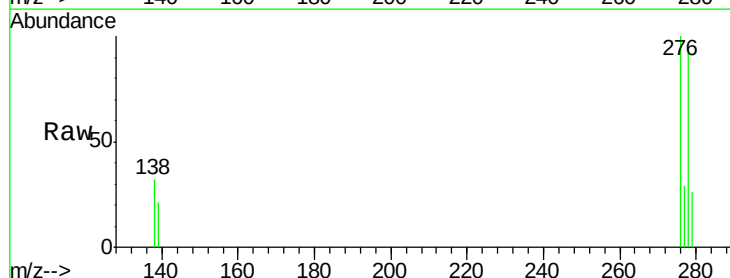
Tgt Ion:278 Resp: 11617

Ion Ratio Lower Upper

278 100

139 22.3 56.0 84.0#

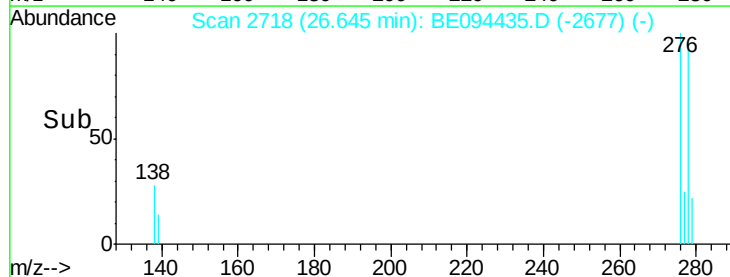
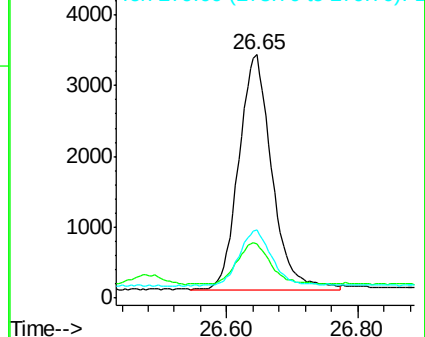
279 28.0 52.0 78.0#

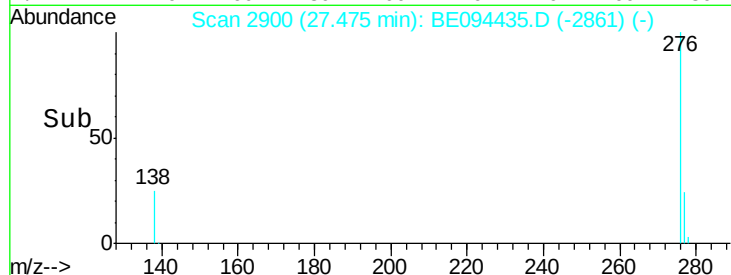
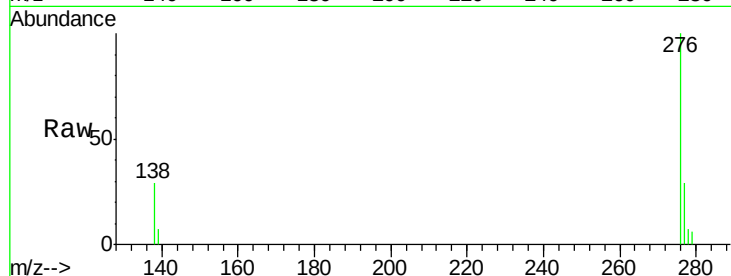
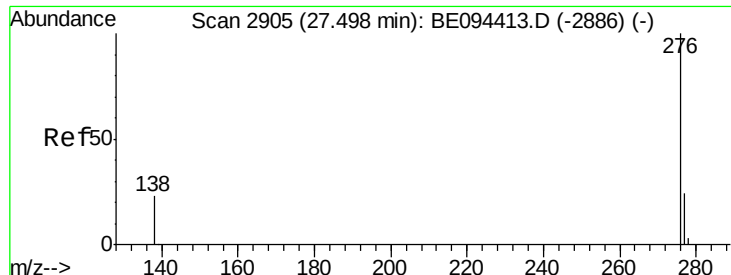


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.389 ng

RT: 27.47 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BE094435.D

Acq: 17 Oct 2017 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 276 Resp: 11332

Ion Ratio Lower Upper

276 100

277 28.5 52.0 78.0#

138 28.7 44.0 66.0#

