

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE121117\
 Data File : BE094971.D
 Acq On : 11 Dec 2017 12:30
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

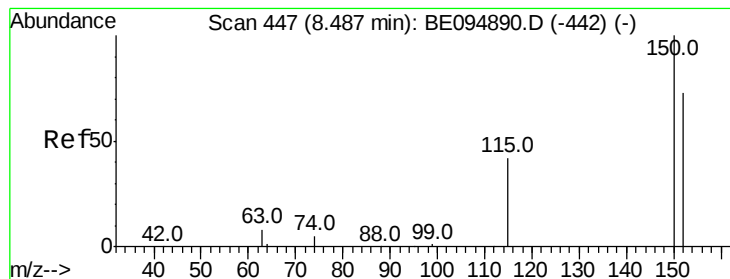
Quant Time: Dec 11 15:38:17 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	7677	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16502	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9316	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	22709	0.40	ng	0.01
27) Chrysene-d12	21.88	240	25141	0.40	ng	0.00
34) Perylene-d12	24.57	264	19492	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	4430	0.36	ng	0.00
5) Phenol-d6	7.60	99	6550	0.36	ng	0.01
8) Nitrobenzene-d5	9.67	82	4780	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	10405	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	804	0.42	ng	0.02
15) 2-Fluorobiphenyl	13.71	172	16060	0.40	ng	0.00
25) Fluoranthene-d10	19.76	212	115547	0.37	ng	0.00
29) Terphenyl-d14	20.33	244	18801	0.40	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.67	88	2961	0.369	ng	# 90
3) n-Nitrosodimethylamine	4.01	42	3793	0.371	ng	# 79
6) bis(2-Chloroethyl)ether	7.87	93	6538	0.366	ng	98
9) Naphthalene	11.38	128	76162	0.394	ng	99
10) Hexachlorobutadiene	11.64	225	3368	0.413	ng	96
12) 2-Methylnaphthalene	12.94	142	18832	0.392	ng	97
16) Acenaphthylene	14.79	152	19523	0.371	ng	100
17) Acenaphthene	15.13	154	12930	0.380	ng	94
18) Fluorene	16.10	166	16670	0.385	ng	# 78
20) 4-Bromophenyl-phenylether	16.98	248	5044	0.398	ng	# 62
21) Hexachlorobenzene	17.10	284	5096	0.412	ng	# 81
22) Pentachlorophenol	17.43	266	982	0.373	ng	# 71
23) Phenanthrene	17.82	178	28364	0.392	ng	98
24) Anthracene	17.91	178	28480	0.371	ng	# 95
26) Fluoranthene	19.79	202	34337	0.369	ng	100
28) Pyrene	20.14	202	34178	0.394	ng	99
30) Benzo(a)anthracene	21.87	228	30188	0.392	ng	# 61
31) Chrysene	21.92	228	31255	0.367	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.74	149	32341	0.253	ng	100
33) Indeno(1,2,3-cd)pyrene	27.43	276	26009	0.373	ng	100
35) Benzo(b)fluoranthene	23.73	252	27463	0.386	ng	# 39
36) Benzo(k)fluoranthene	23.79	252	26678	0.368	ng	# 40
37) Benzo(a)pyrene	24.44	252	23812	0.382	ng	# 34
38) Dibenzo(a,h)anthracene	27.46	278	21795	0.378	ng	# 43
39) Benzo(g,h,i)perylene	28.32	276	21933	0.381	ng	# 52

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

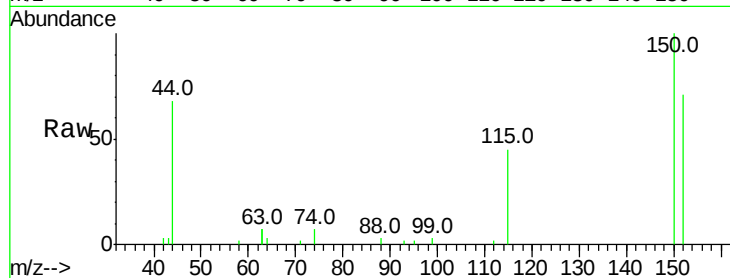
Tot Ion:152 Resp: 7677

Ion Ratio Lower Upper

152 100

150 140.0 117.2 175.8

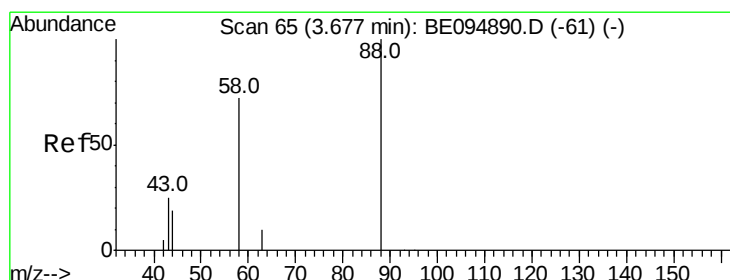
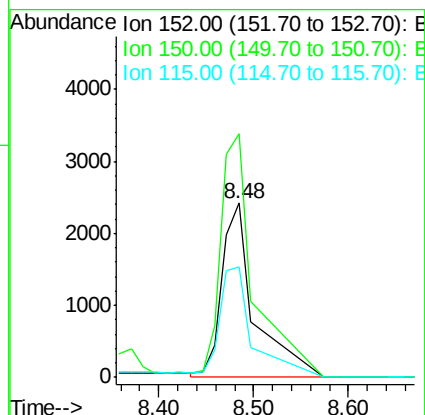
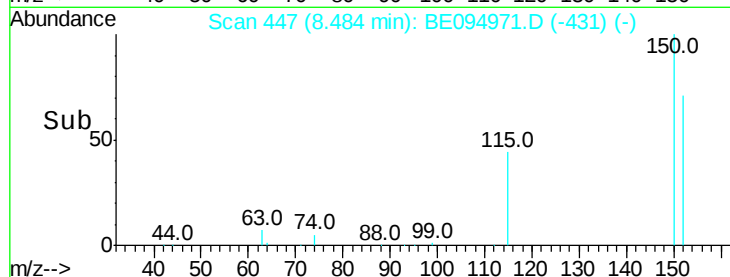
115 63.6 57.0 85.6



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: 0.369 ng

RT: 3.67 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

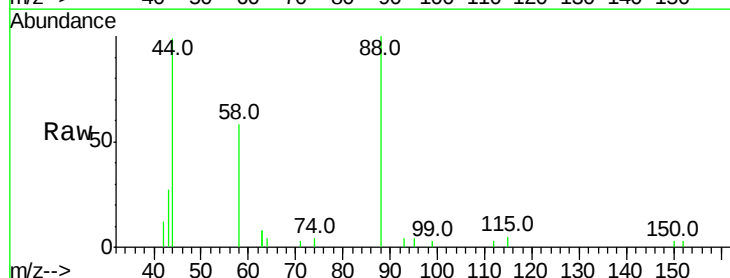
Tgt Ion: 88 Resp: 2961

Ion Ratio Lower Upper

88 100

58 81.4 63.2 94.8

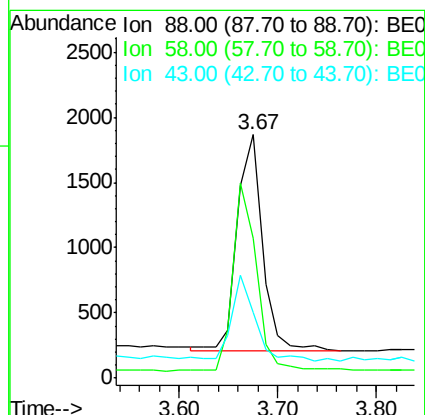
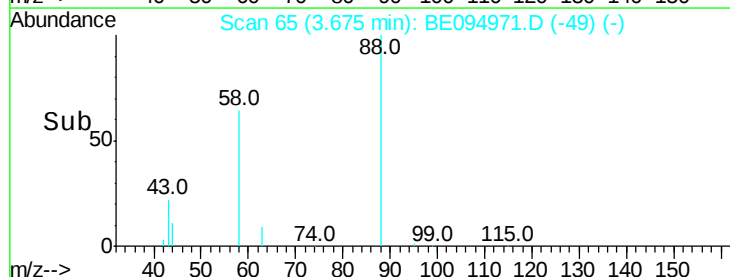
43 35.9 41.2 61.8#

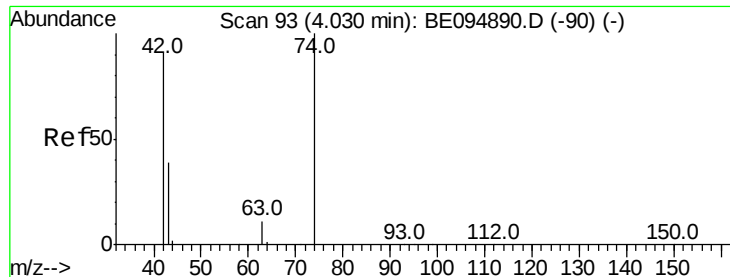


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.371 ng

RT: 4.01 min Scan# 92

Delta R.T. -0.02 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

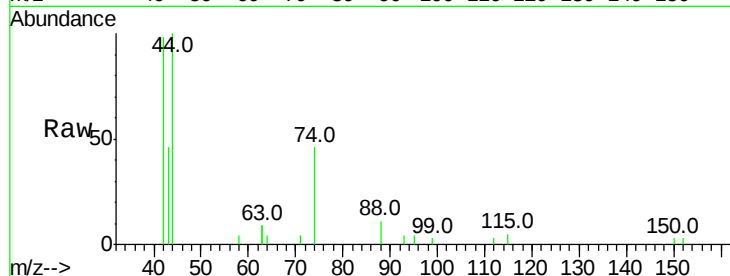
Tot Ion: 42 Resp: 3793

Ion Ratio Lower Upper

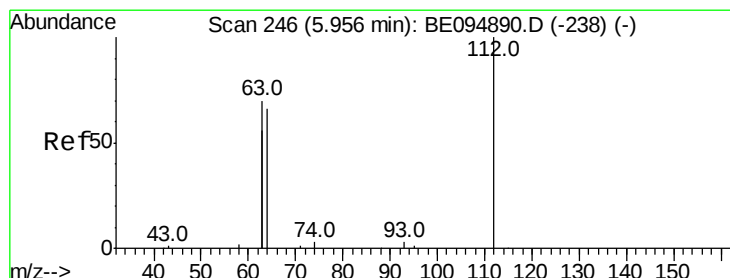
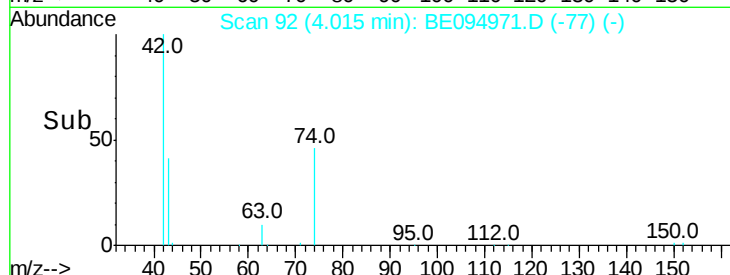
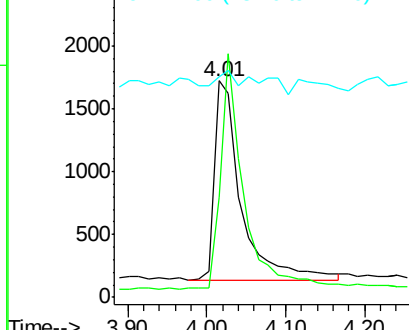
42 100

74 102.7 100.3 150.5

44 8.3 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: 0.365 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

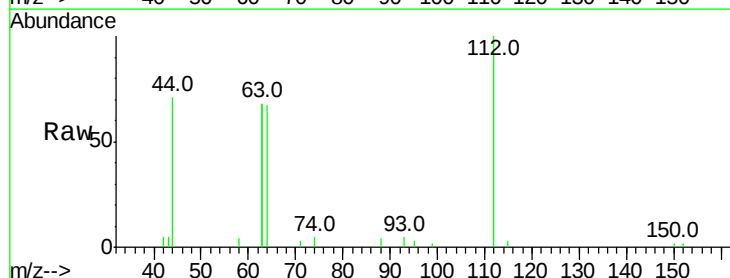
Tgt Ion: 112 Resp: 4430

Ion Ratio Lower Upper

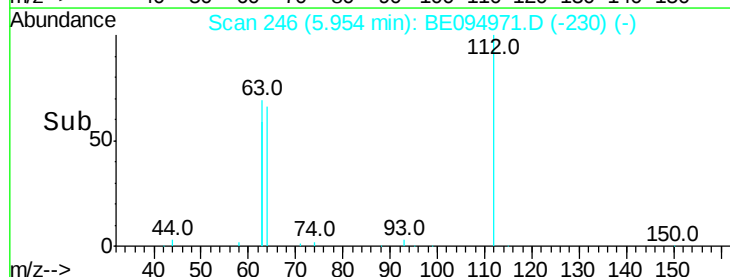
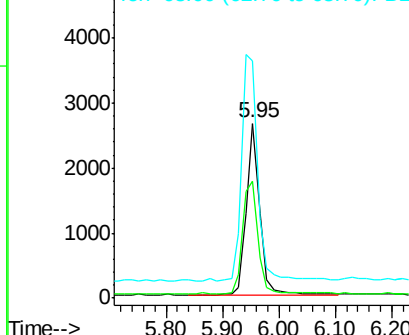
112 100

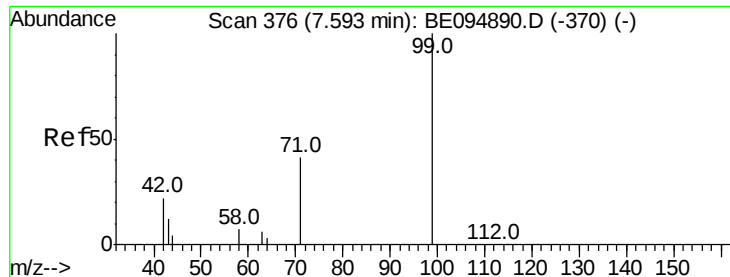
64 75.4 60.1 90.1

63 159.3 116.8 175.2



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: 0.364 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

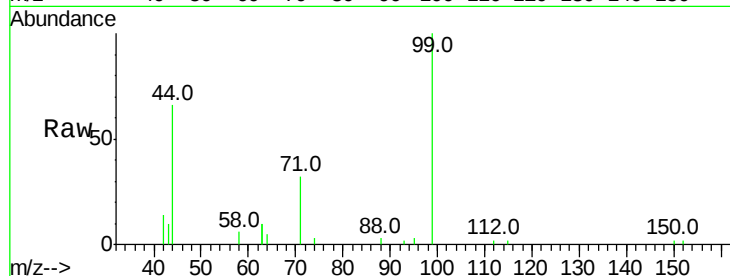
Tot Ion: 99 Resp: 6550

Ion Ratio Lower Upper

99 100

42 25.1 20.2 30.2

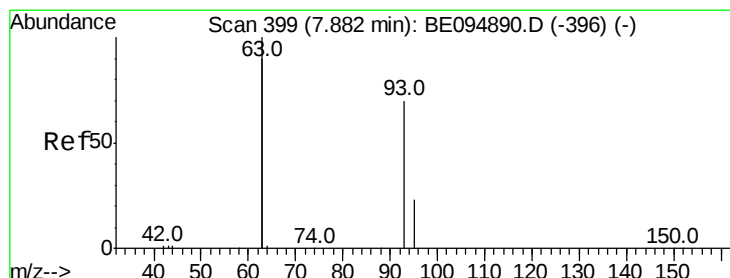
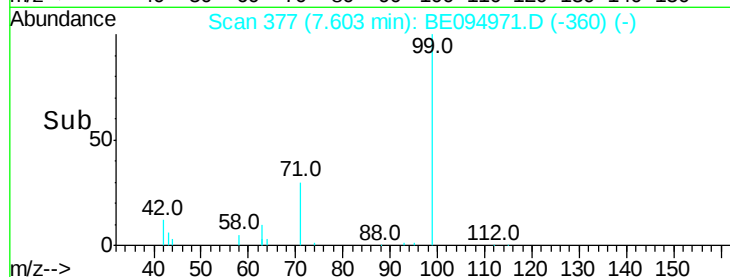
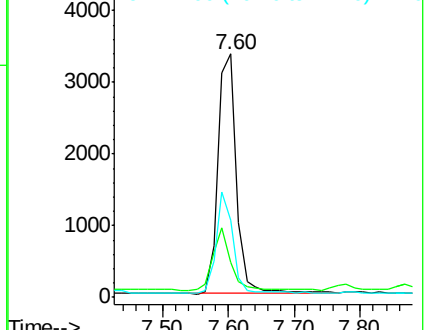
71 39.4 28.4 42.6



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: 0.366 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.02 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

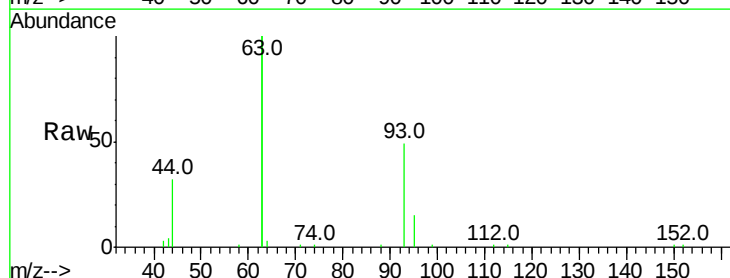
Tgt Ion: 93 Resp: 6538

Ion Ratio Lower Upper

93 100

63 340.4 275.3 412.9

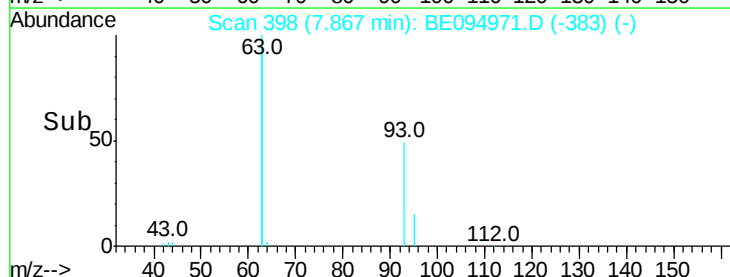
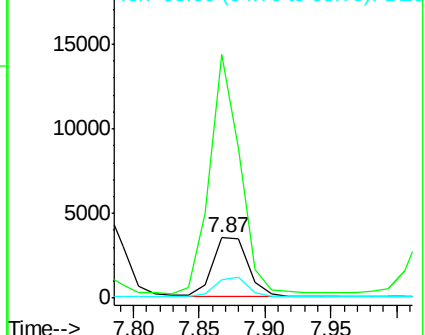
95 31.6 25.2 37.8

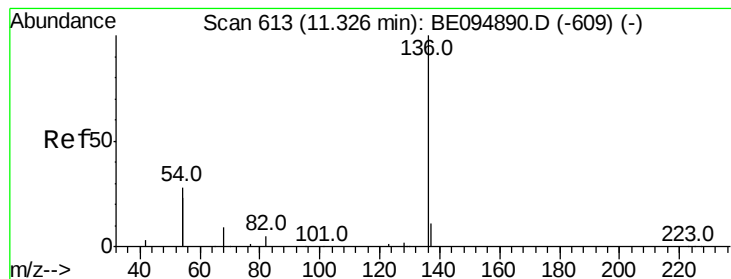


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 16502

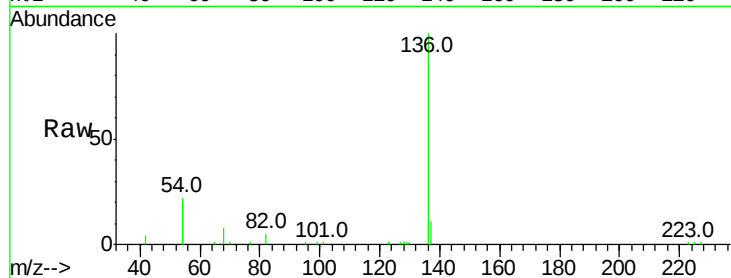
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 43.9 29.1 43.7#

68 8.3 6.2 9.2

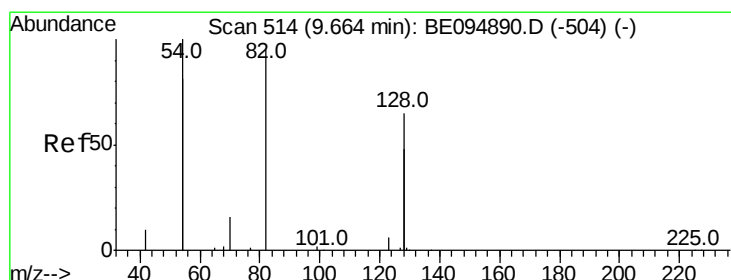
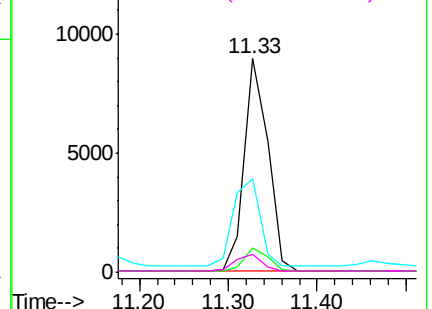
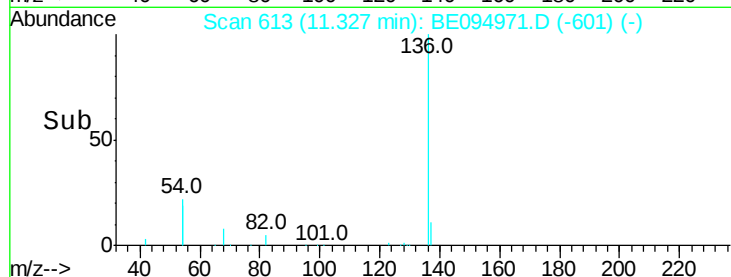


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.489 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

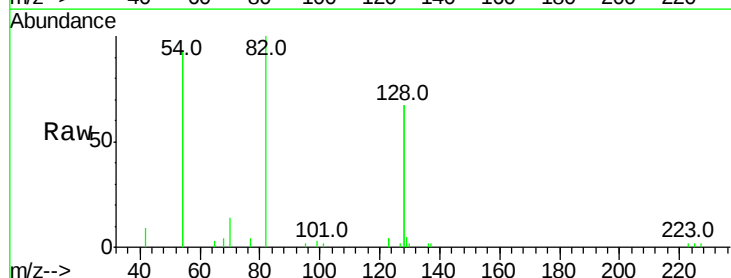
Tgt Ion: 82 Resp: 4780

Ion Ratio Lower Upper

82 100

128 135.0 150.0 225.0#

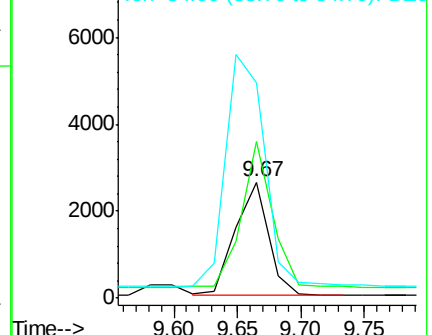
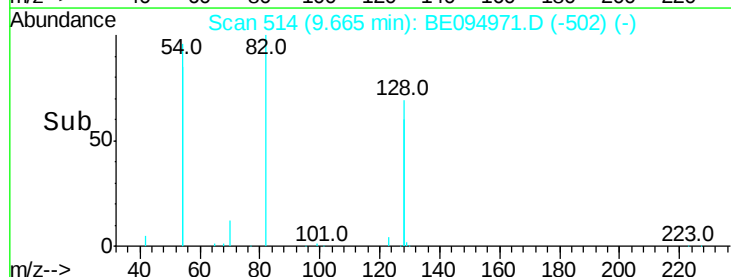
54 186.6 154.2 231.4

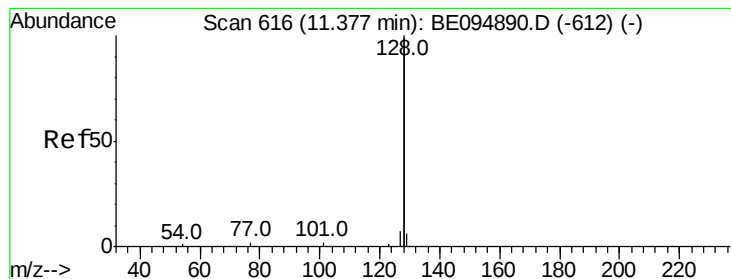


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.394 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

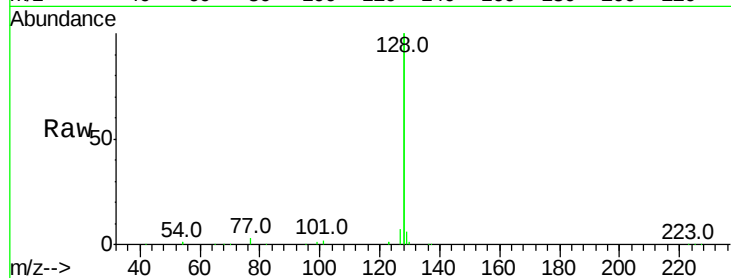
Tot Ion:128 Resp: 76162

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

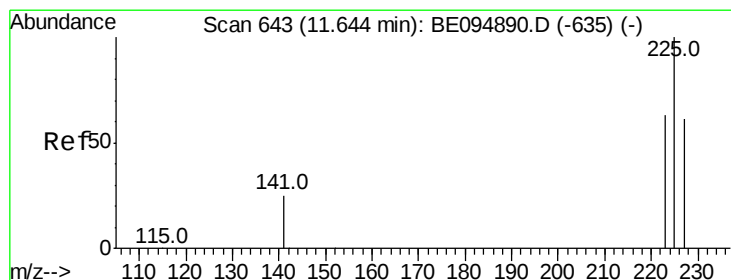
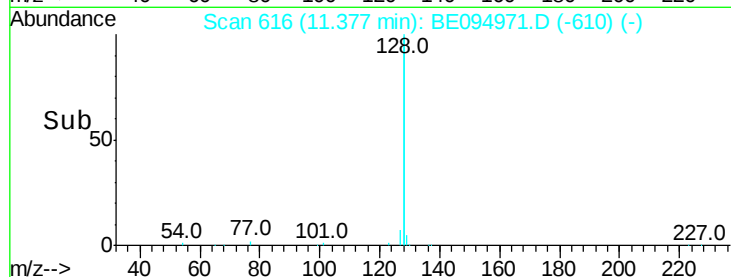
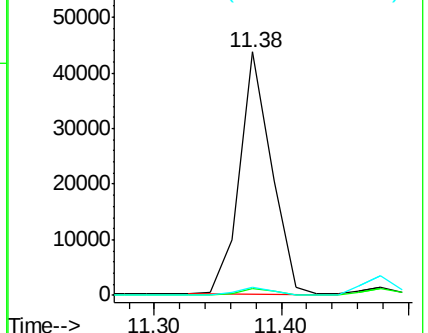
127 3.4 2.8 4.2



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: 0.413 ng

RT: 11.64 min Scan# 643

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

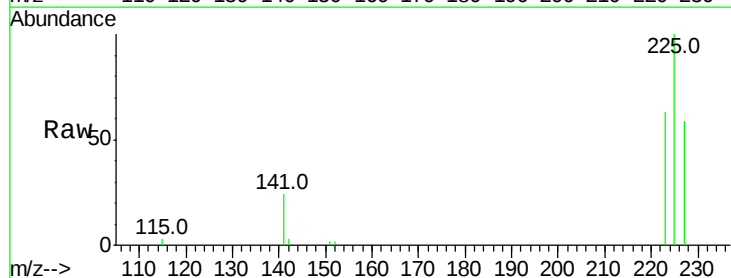
Tgt Ion:225 Resp: 3368

Ion Ratio Lower Upper

225 100

223 61.9 53.0 79.6

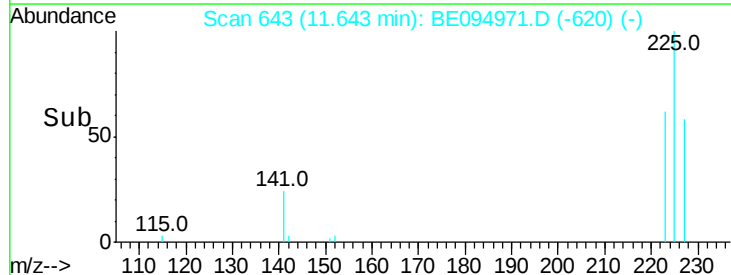
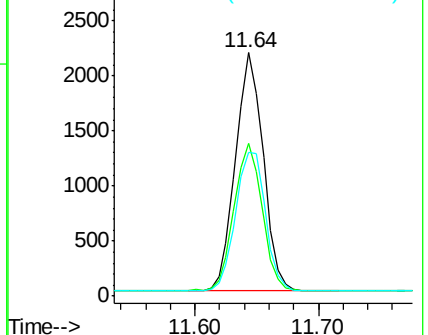
227 63.1 51.4 77.2

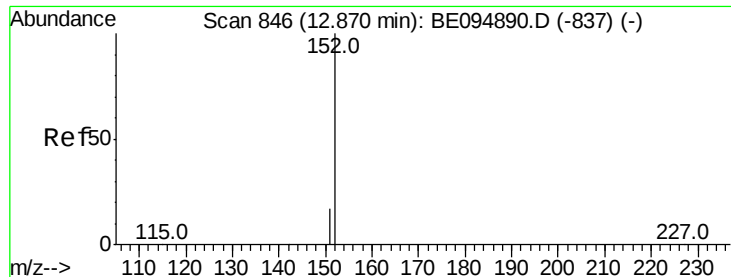


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

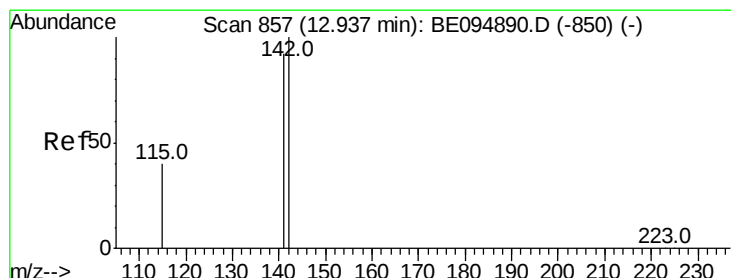
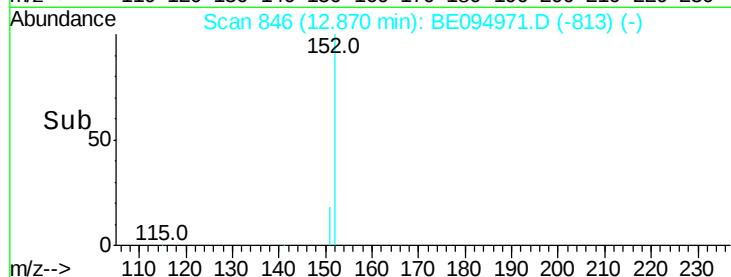
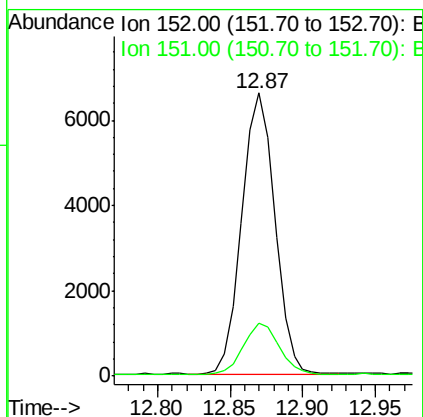
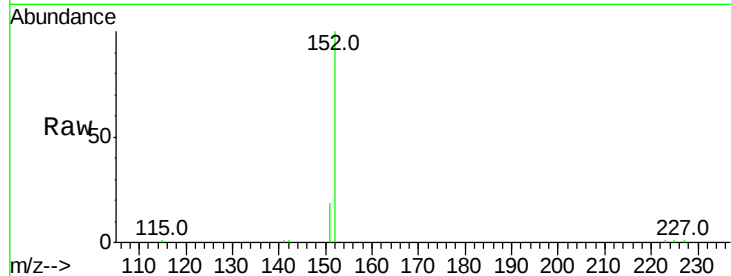




#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

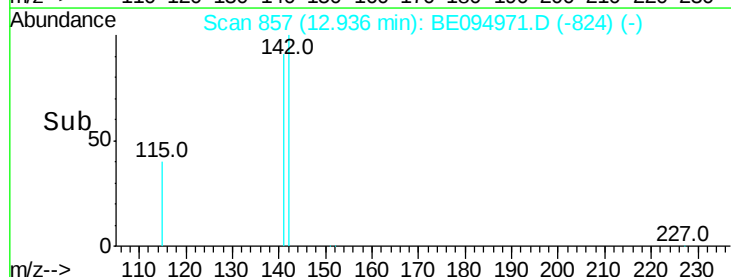
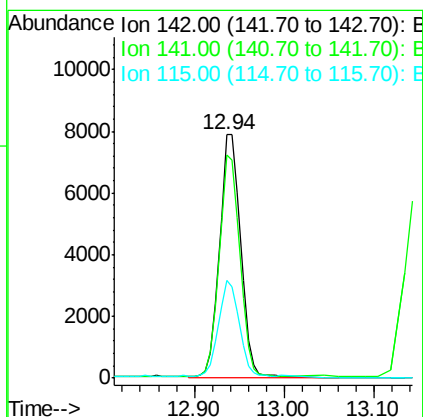
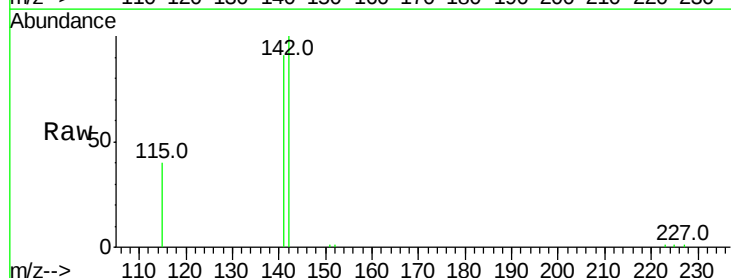
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

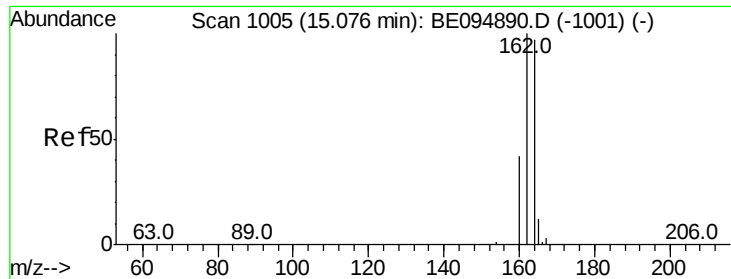
Tot Ion:152 Resp: 10405
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.94 min Scan# 857
Delta R.T. -0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

Tgt Ion:142 Resp: 18832
Ion Ratio Lower Upper
142 100
141 91.5 70.4 105.6
115 40.3 31.7 47.5

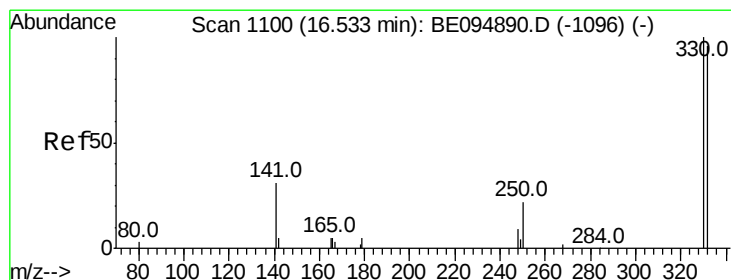
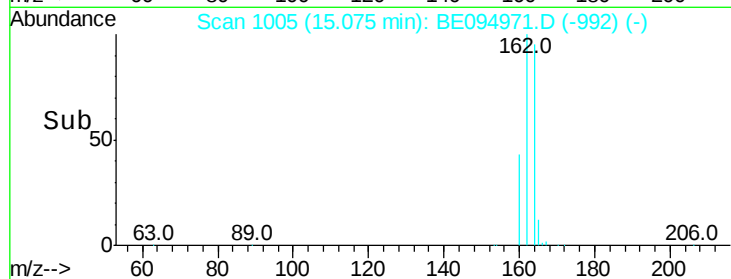
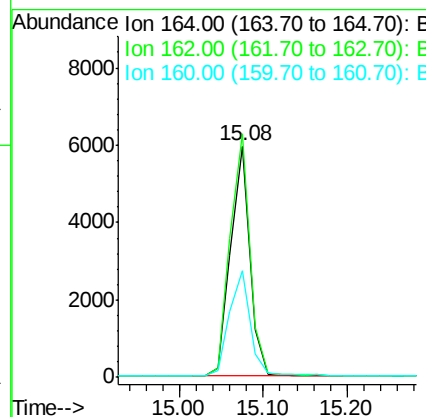
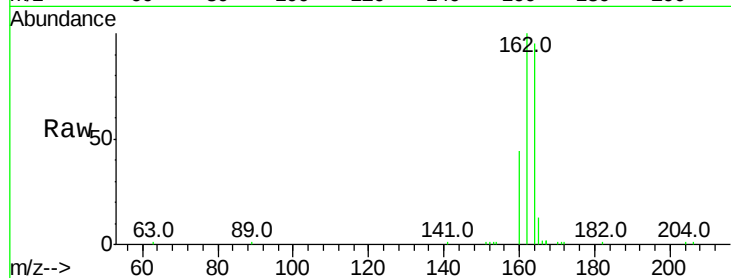




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

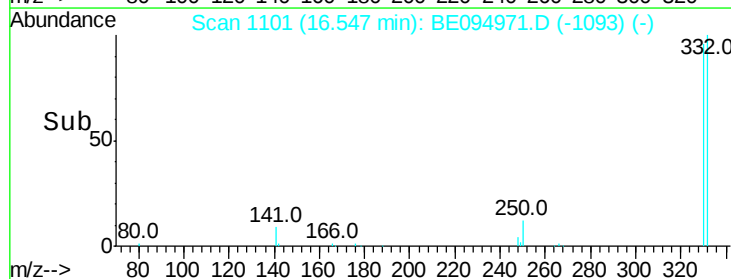
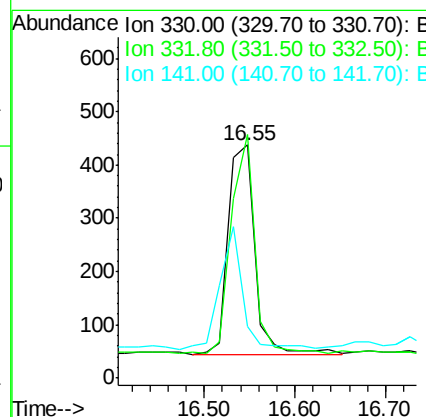
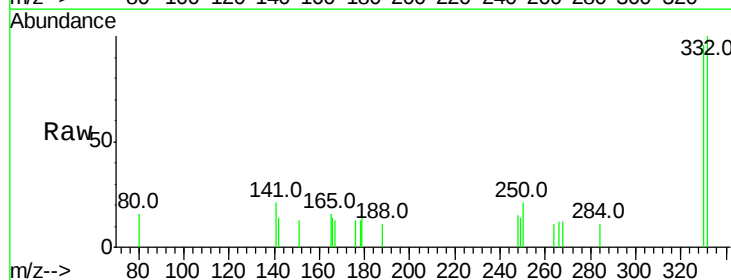
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

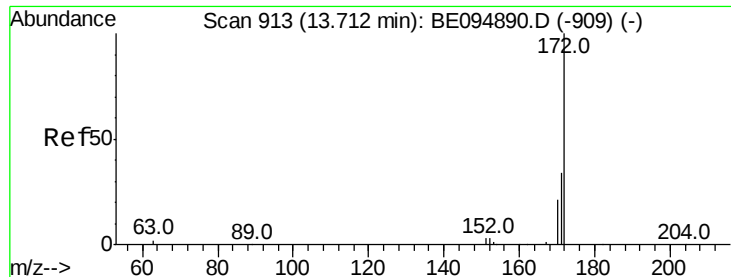
Tot Ion:164 Resp: 9316
Ion Ratio Lower Upper
164 100
162 105.2 83.1 124.7
160 46.0 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.424 ng
RT: 16.55 min Scan# 1101
Delta R.T. 0.02 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

Tgt Ion:330 Resp: 804
Ion Ratio Lower Upper
330 100
332 90.2 152.7 229.1#
141 49.5 33.7 50.5

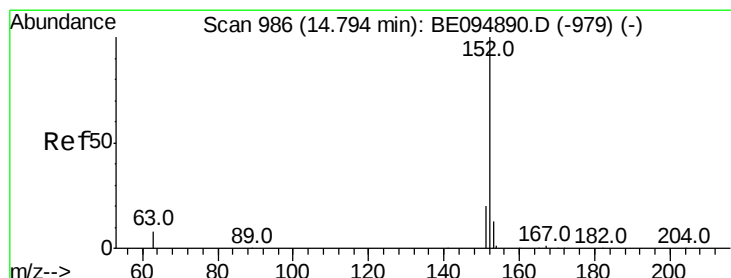
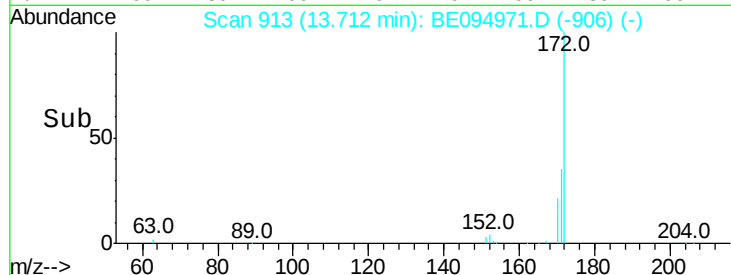
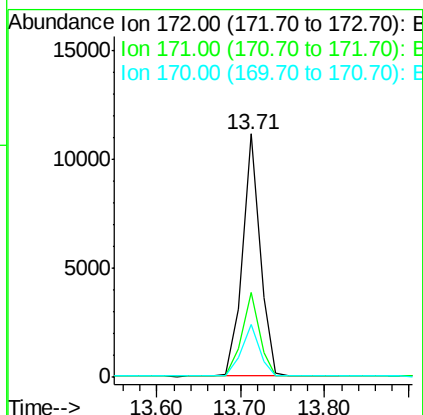
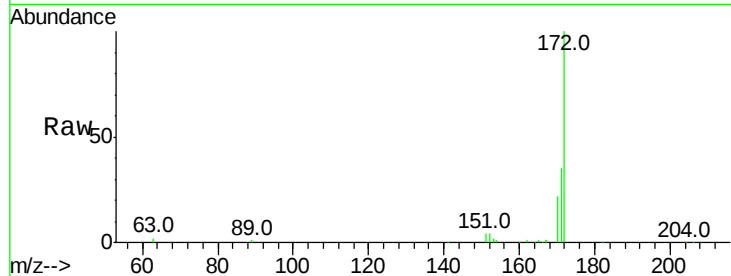




#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

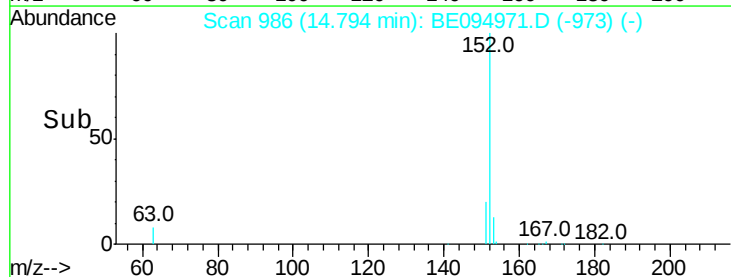
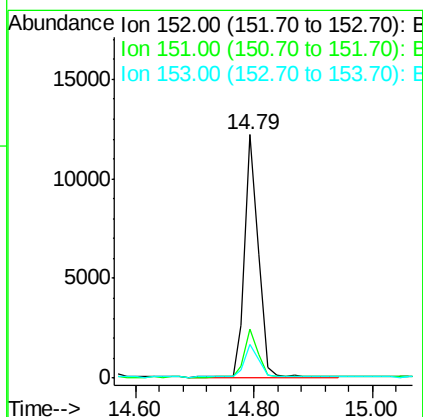
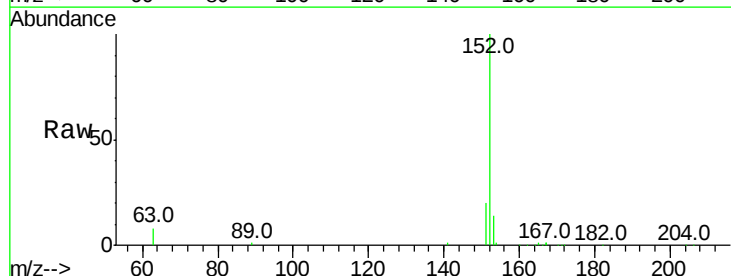
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

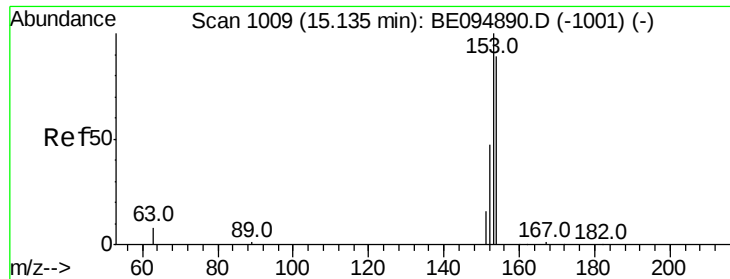
Tot Ion:172 Resp: 16060
Ion Ratio Lower Upper
172 100
171 34.9 29.9 44.9
170 21.9 21.8 32.8



#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

Tgt Ion:152 Resp: 19523
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.380 ng

RT: 15.13 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

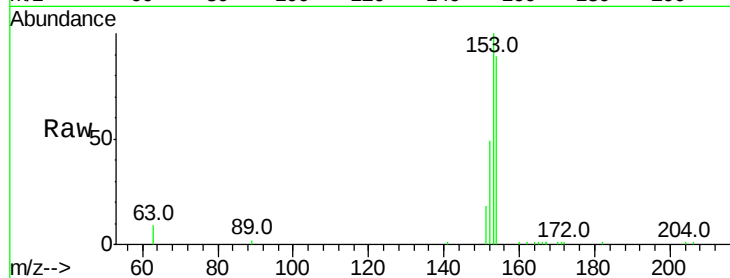
Tot Ion:154 Resp: 12930

Ion Ratio Lower Upper

154 100

153 115.9 89.2 133.8

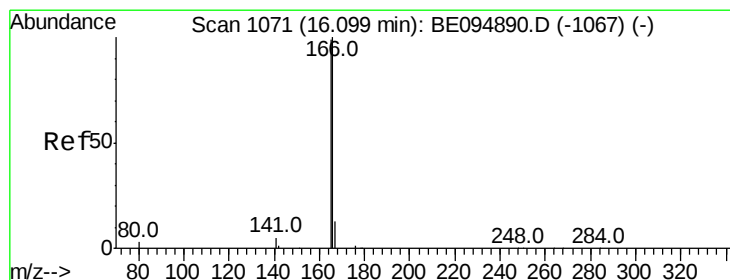
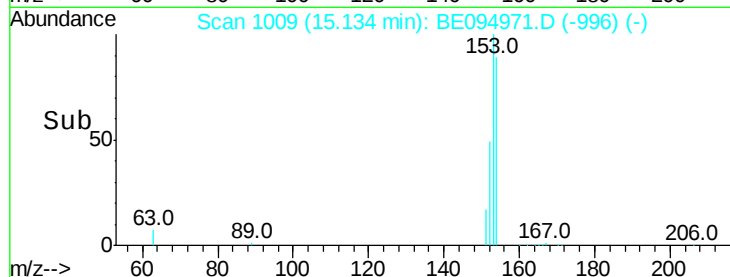
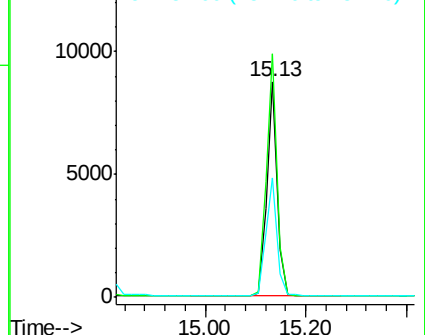
152 59.0 42.0 63.0



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: 0.385 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

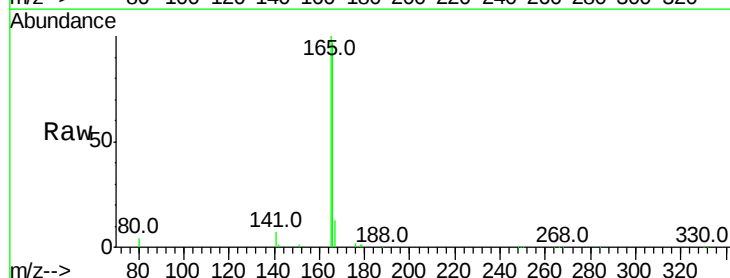
Tgt Ion:166 Resp: 16670

Ion Ratio Lower Upper

166 100

165 101.0 77.8 116.6

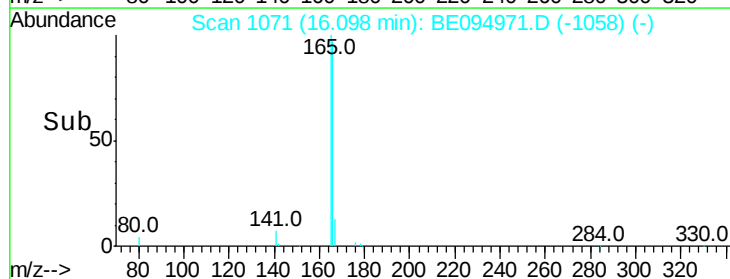
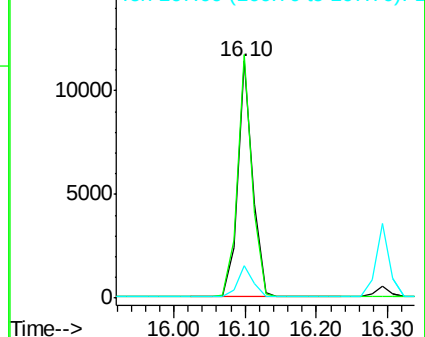
167 13.5 42.4 63.6#

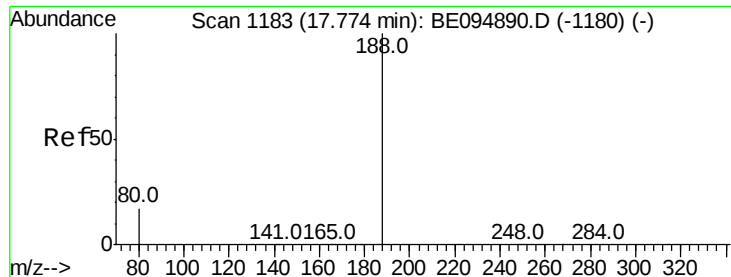


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.79 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

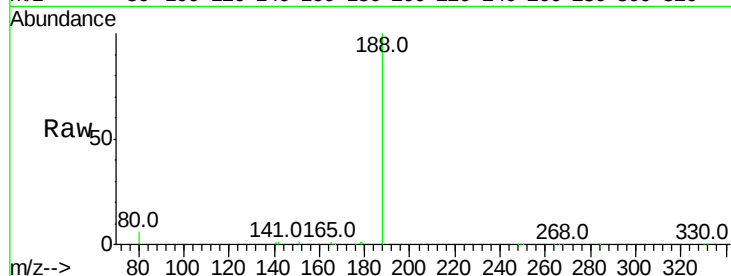
Tot Ion:188 Resp: 22709

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

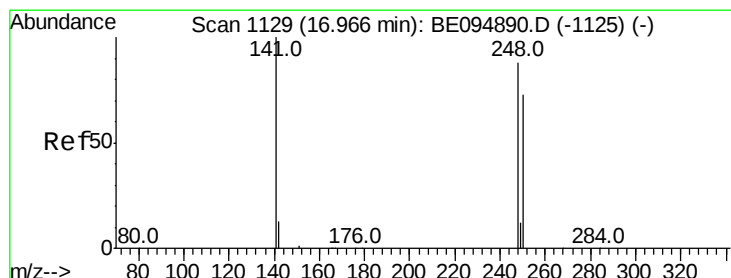
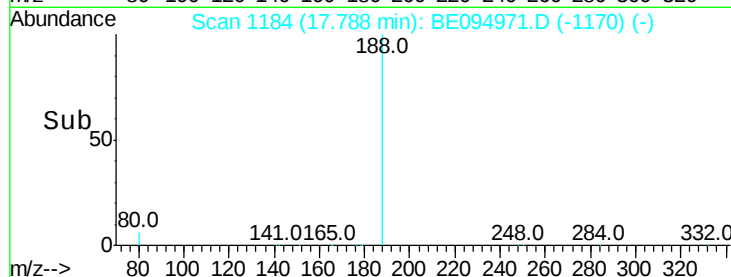
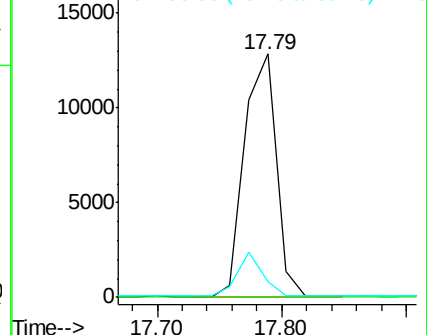
80 6.3 3.6 5.4#



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: 0.398 ng

RT: 16.98 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

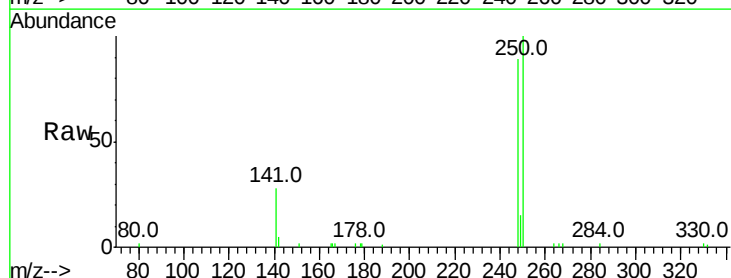
Tgt Ion:248 Resp: 5044

Ion Ratio Lower Upper

248 100

250 111.9 62.7 94.1#

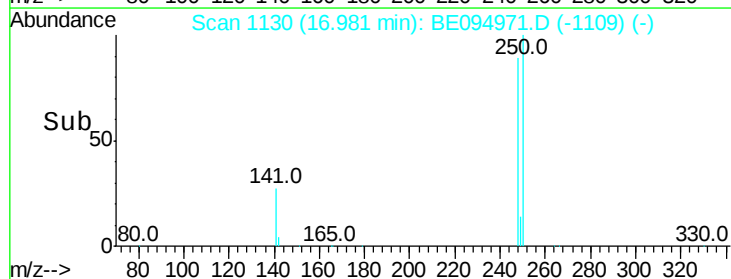
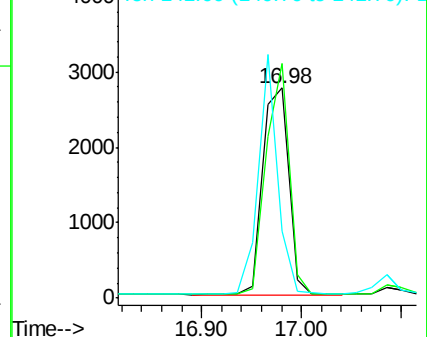
141 31.7 48.2 72.2#

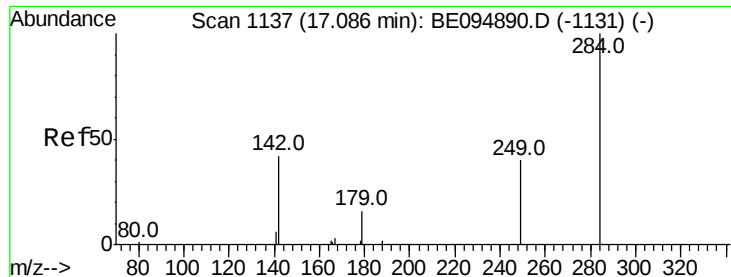


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.412 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

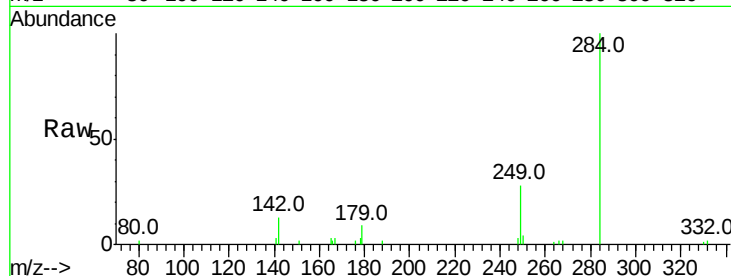
Tot Ion:284 Resp: 5096

Ion Ratio Lower Upper

284 100

142 45.2 22.1 33.1#

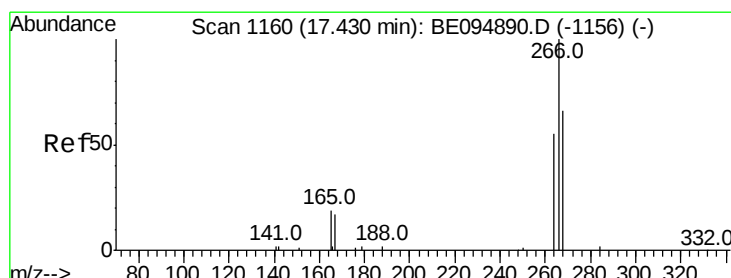
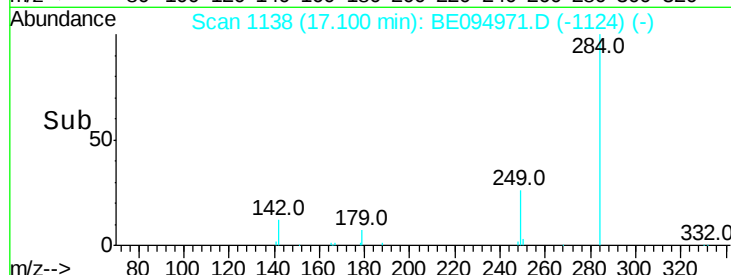
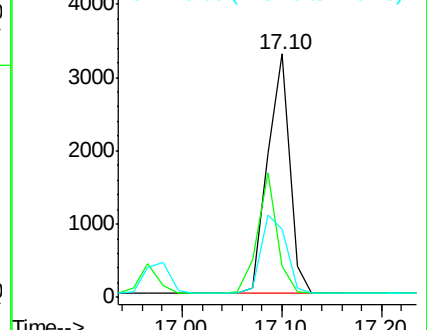
249 37.0 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.373 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

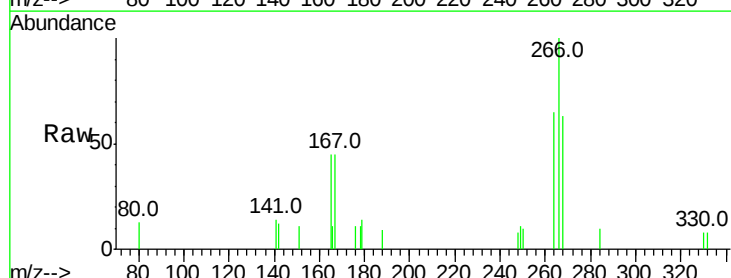
Tgt Ion:266 Resp: 982

Ion Ratio Lower Upper

266 100

264 65.1 72.5 108.7#

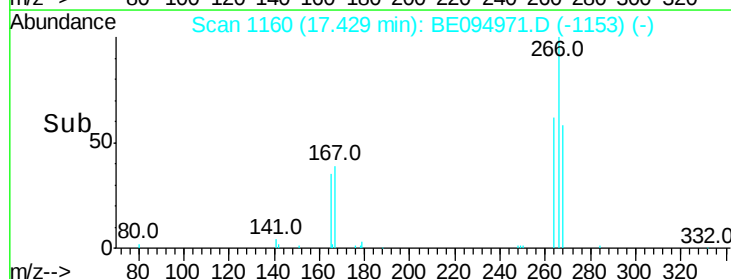
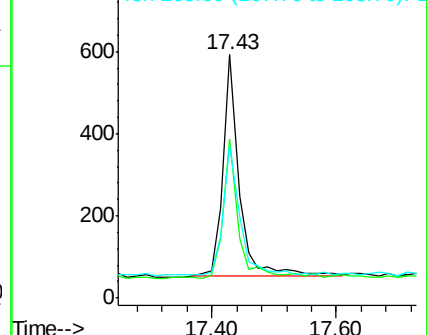
268 62.9 73.8 110.6#

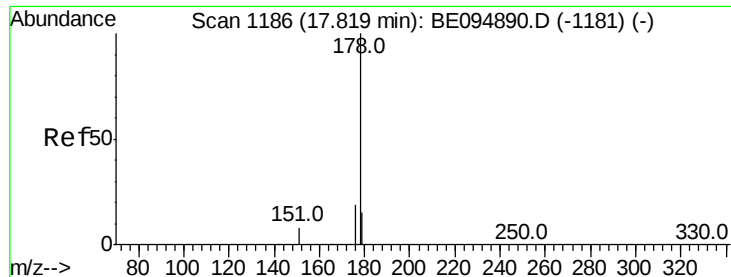


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.392 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

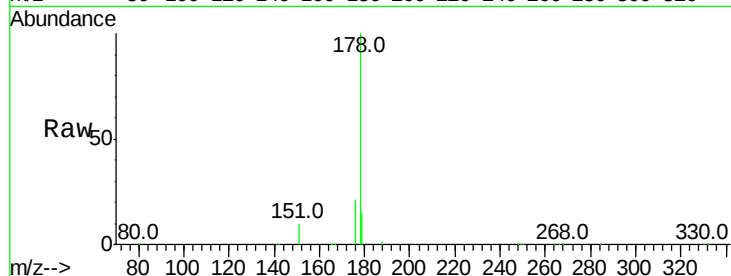
Tot Ion:178 Resp: 28364

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

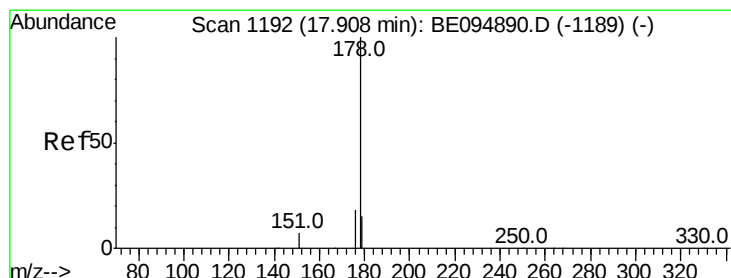
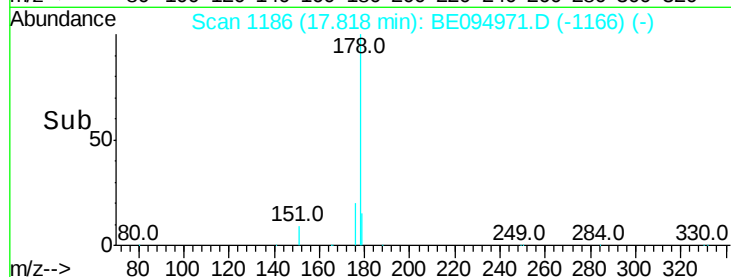
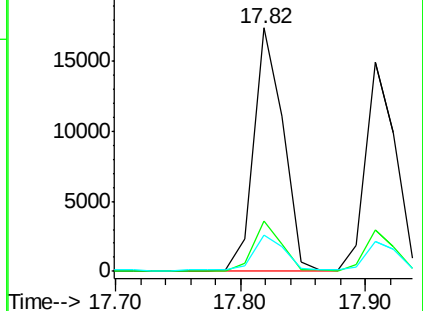
179 15.7 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.371 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

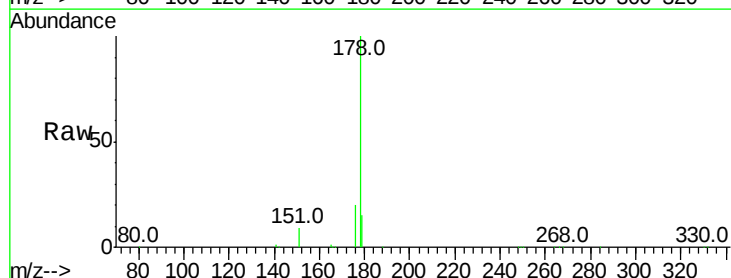
Tgt Ion:178 Resp: 28480

Ion Ratio Lower Upper

178 100

176 20.4 12.8 19.2#

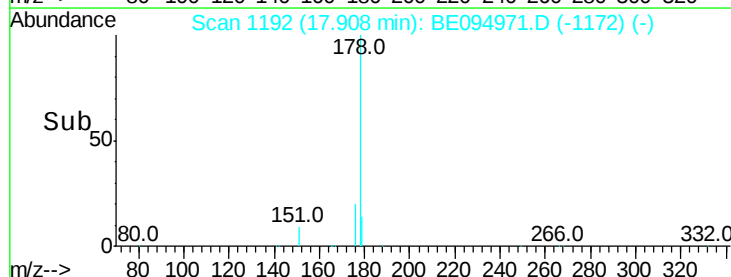
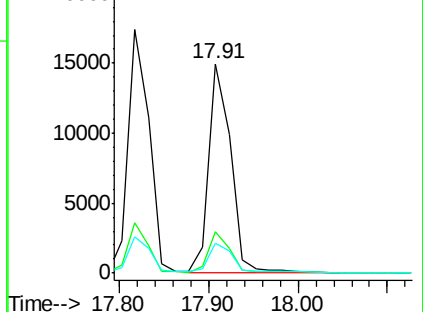
179 16.5 13.0 19.6

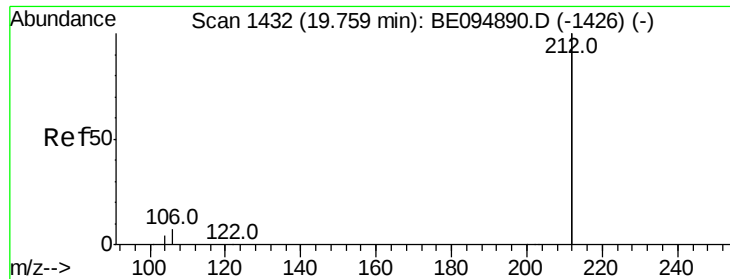


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

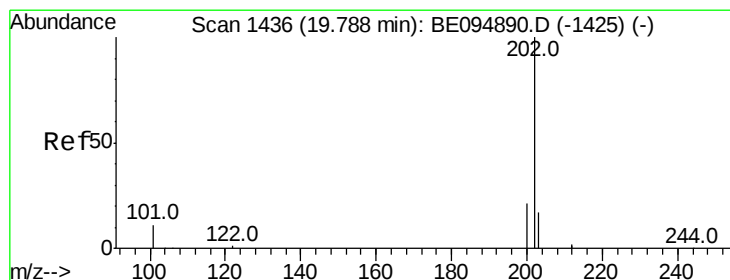
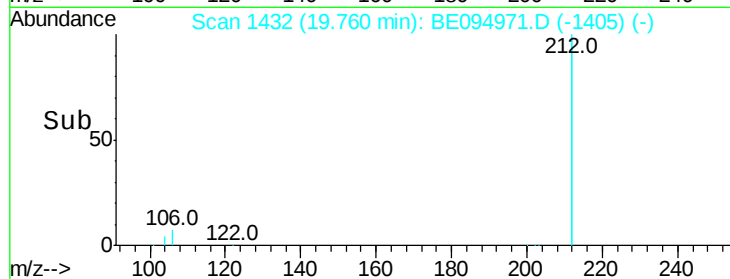
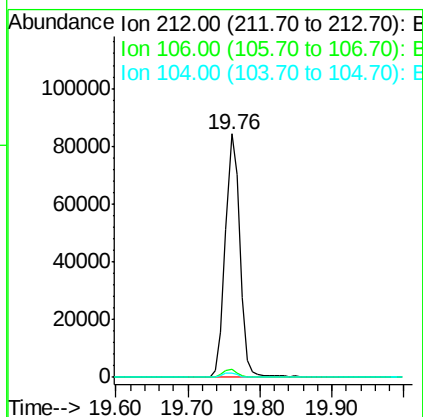
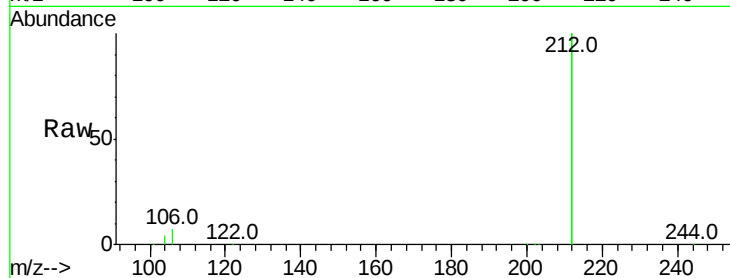




#25
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

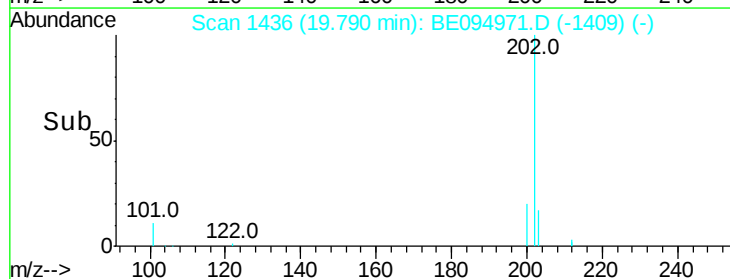
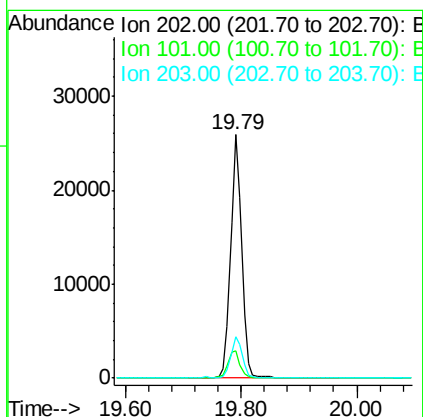
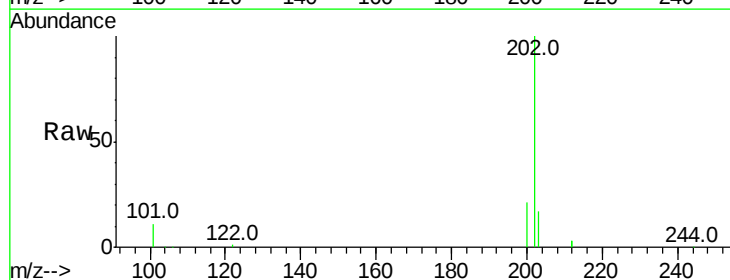
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

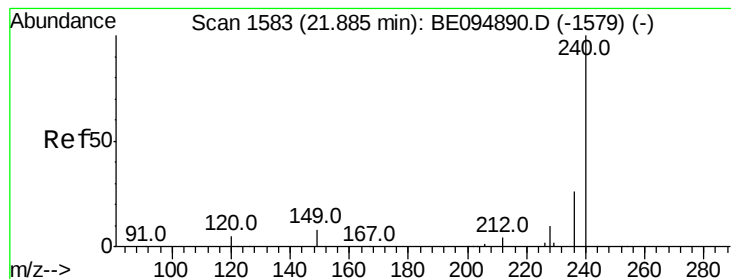
Tot Ion:212 Resp: 115547
Ion Ratio Lower Upper
212 100
106 3.3 2.8 4.2
104 1.9 1.6 2.4



#26
Fluoranthene
Concen: 0.369 ng
RT: 19.79 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE094971.D
Acq: 11 Dec 2017 12:30

Tgt Ion:202 Resp: 34337
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.88 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

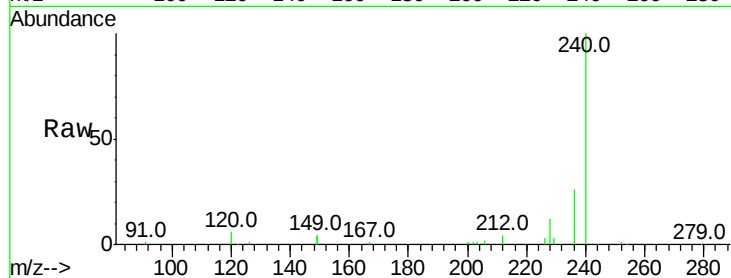
Tot Ion:240 Resp: 25141

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

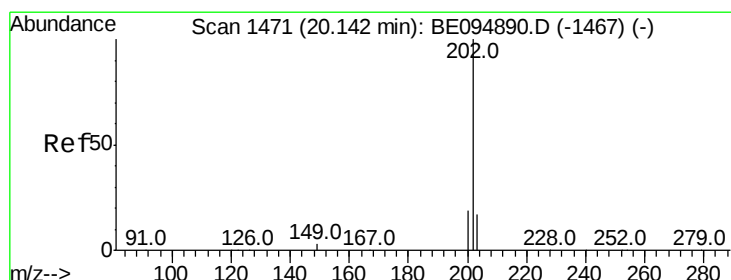
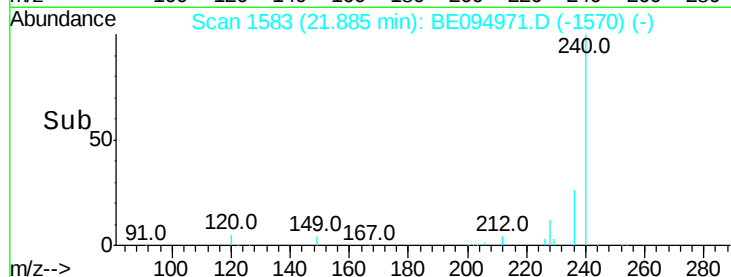
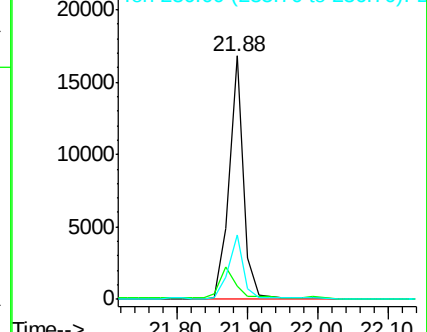
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.394 ng

RT: 20.14 min Scan# 1471

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

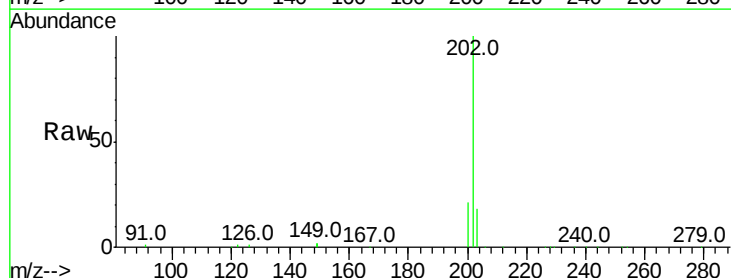
Tgt Ion:202 Resp: 34178

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

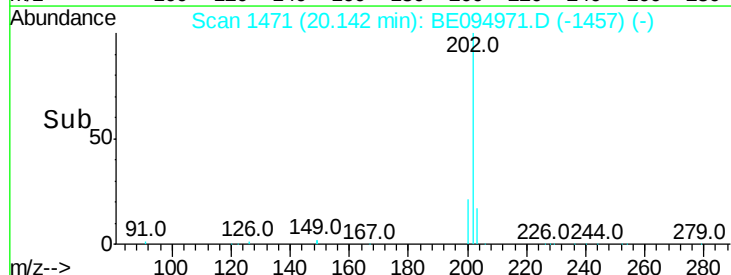
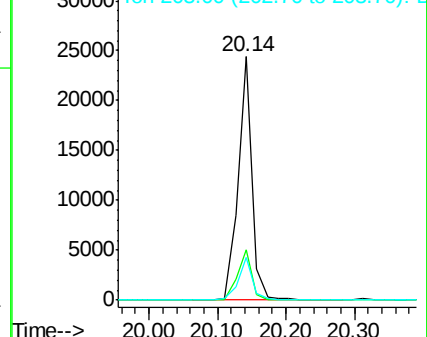
203 17.2 13.8 20.8

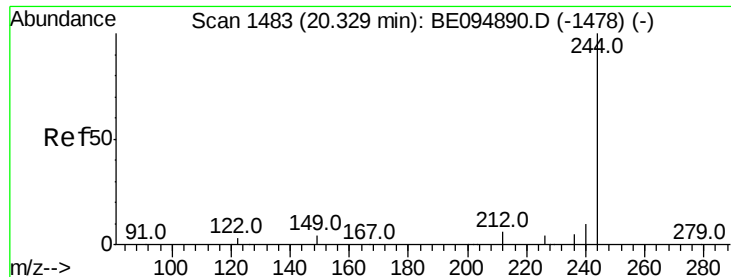


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.405 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

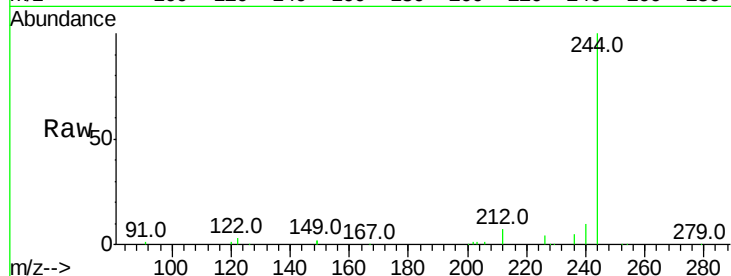
Tot Ion:244 Resp: 18801

Ion Ratio Lower Upper

244 100

212 6.7 25.4 38.0#

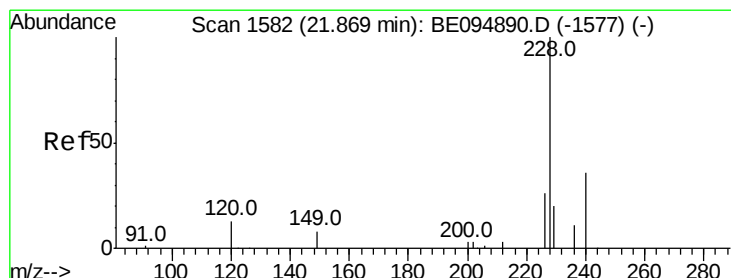
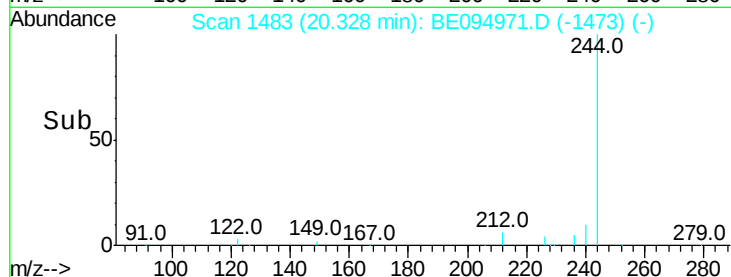
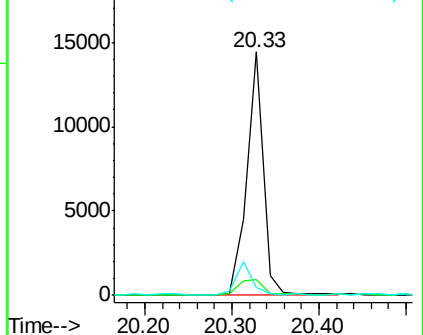
122 3.3 8.1 12.1#



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: 21.87 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

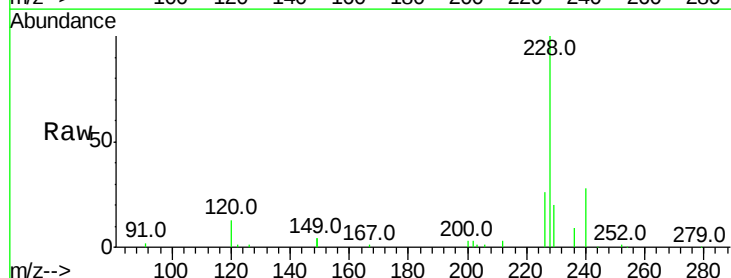
Tgt Ion:228 Resp: 30188

Ion Ratio Lower Upper

228 100

226 25.8 40.0 60.0#

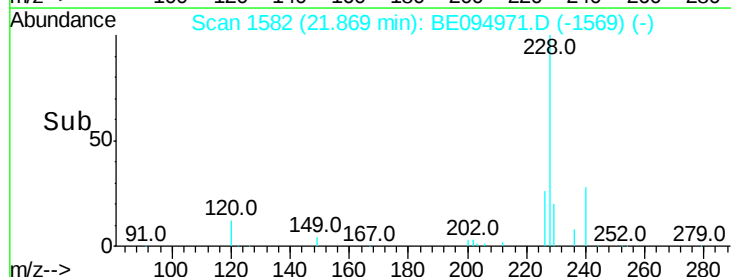
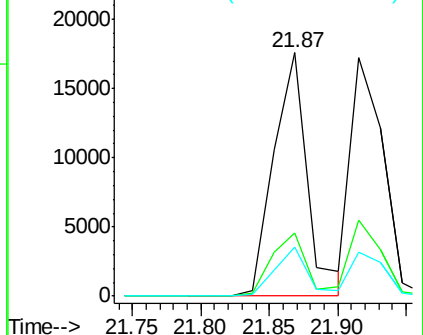
229 20.2 40.0 60.0#

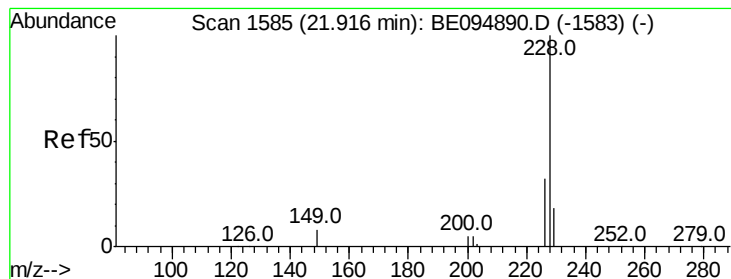


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.367 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

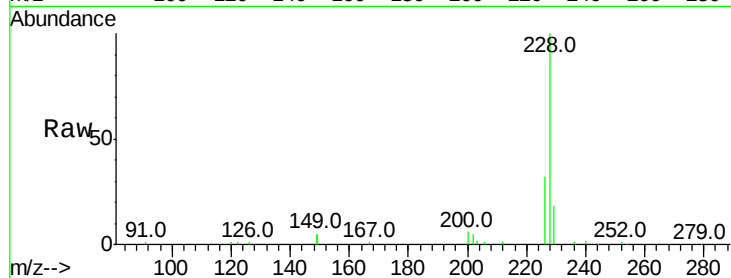
Tot Ion:228 Resp: 31255

Ion Ratio Lower Upper

228 100

226 31.8 40.0 60.0#

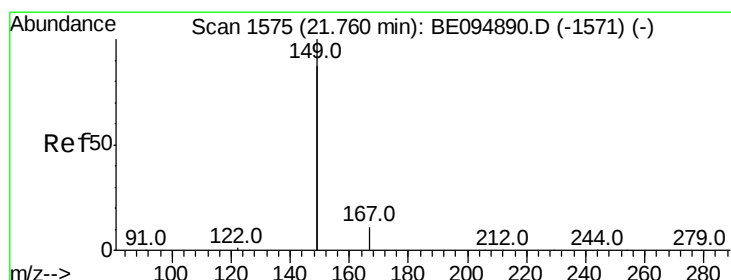
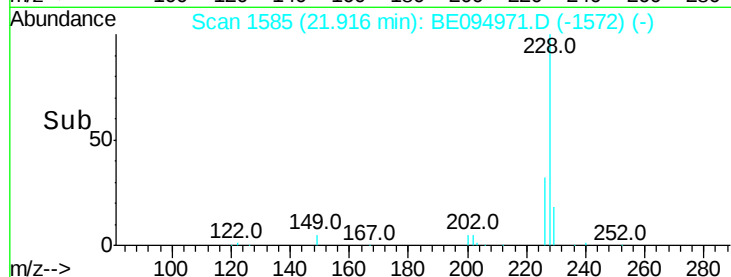
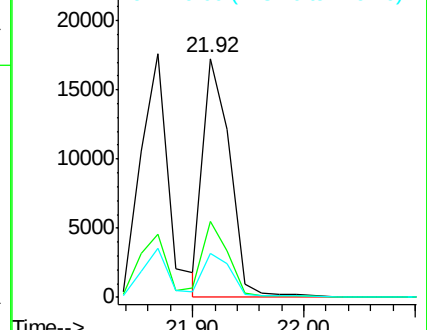
229 18.5 40.0 60.0#



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: 0.253 ng

RT: 21.74 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

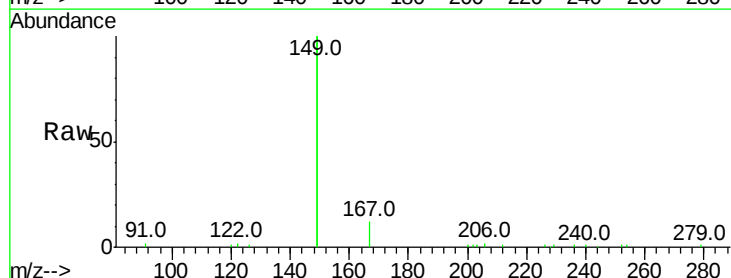
Tgt Ion:149 Resp: 32341

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

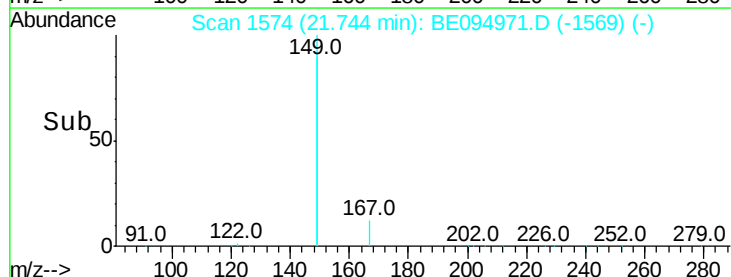
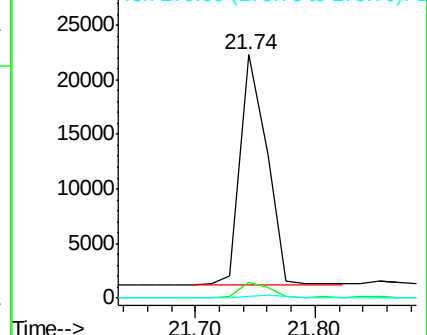
279 0.8 0.7 1.1

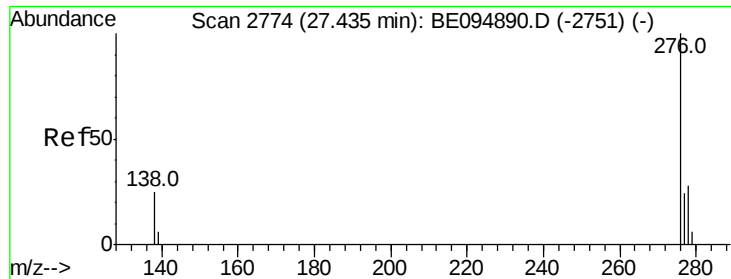


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.373 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

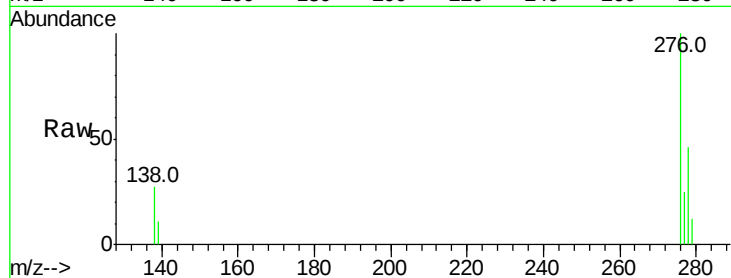
Tot Ion:276 Resp: 26009

Ion Ratio Lower Upper

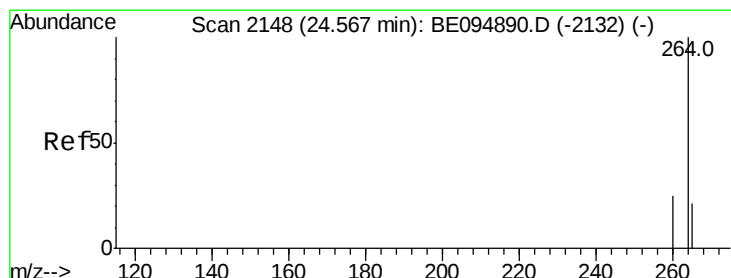
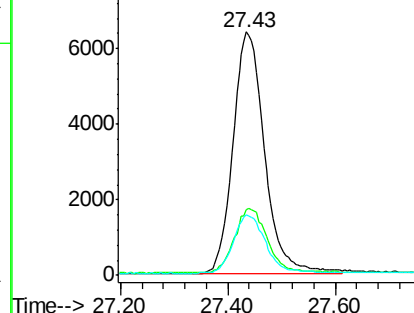
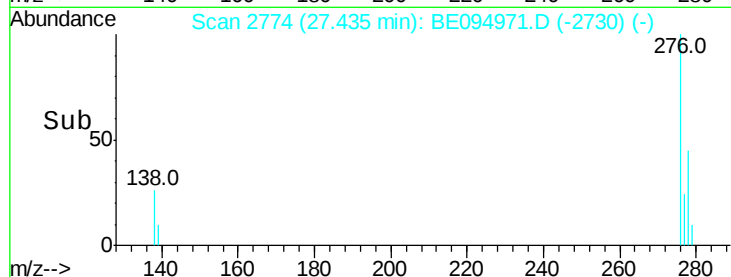
276 100

138 28.0 22.5 33.7

277 24.8 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: 24.57 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

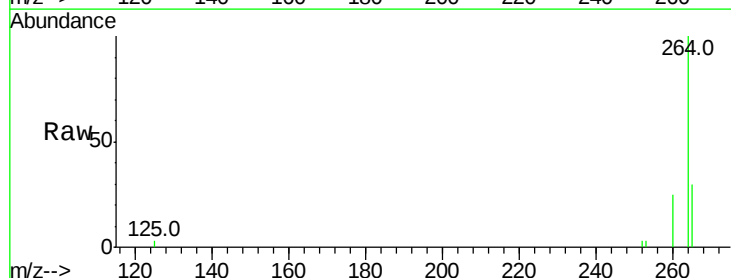
Tgt Ion:264 Resp: 19492

Ion Ratio Lower Upper

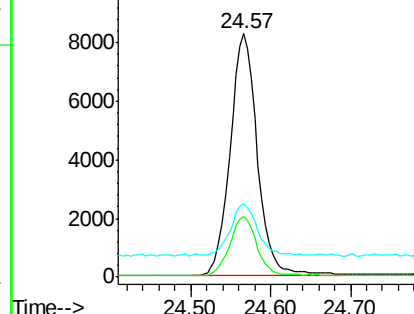
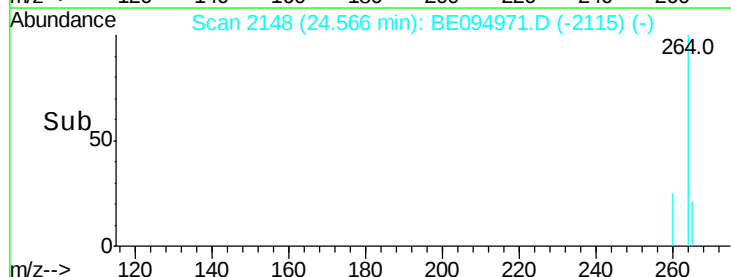
264 100

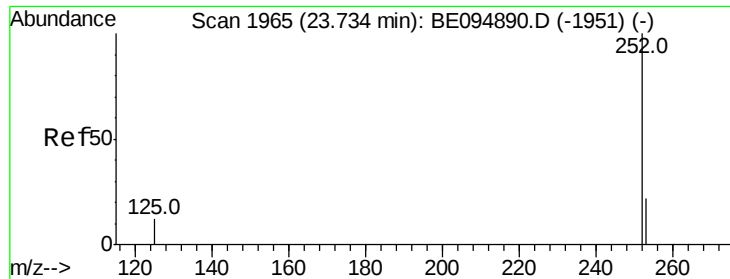
260 25.0 20.5 30.7

265 30.0 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: 0.386 ng

RT: 23.73 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

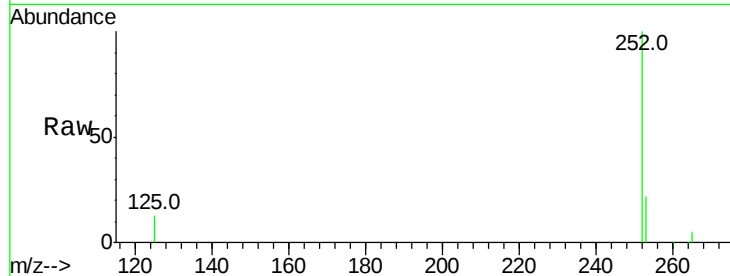
Tot Ion:252 Resp: 27463

Ion Ratio Lower Upper

252 100

253 22.2 48.0 72.0#

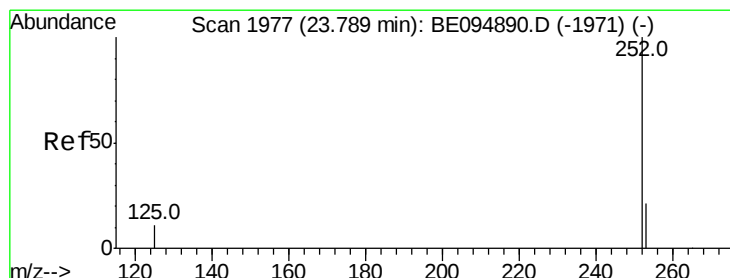
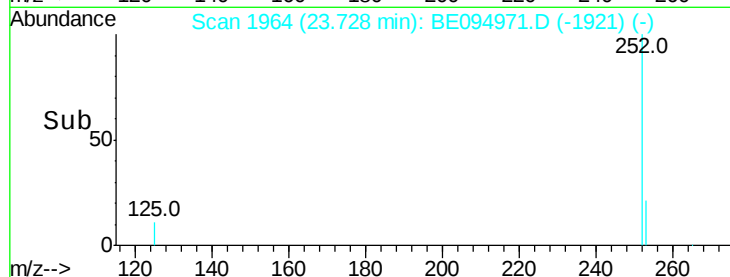
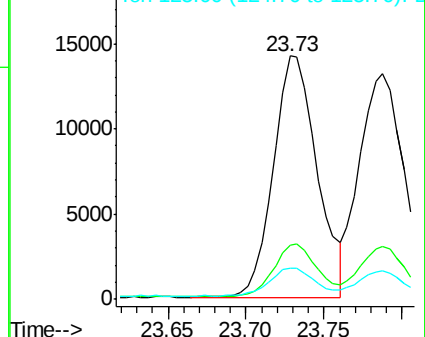
125 12.7 56.0 84.0#



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: 0.368 ng

RT: 23.79 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

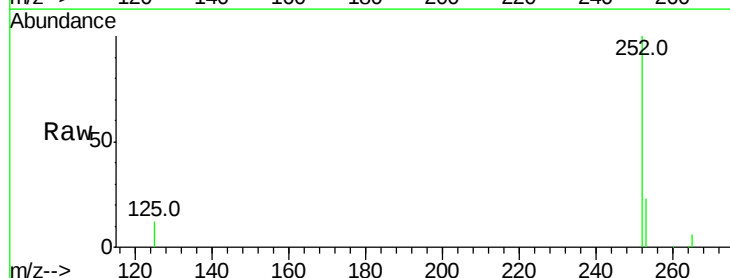
Tgt Ion:252 Resp: 26678

Ion Ratio Lower Upper

252 100

253 23.5 48.0 72.0#

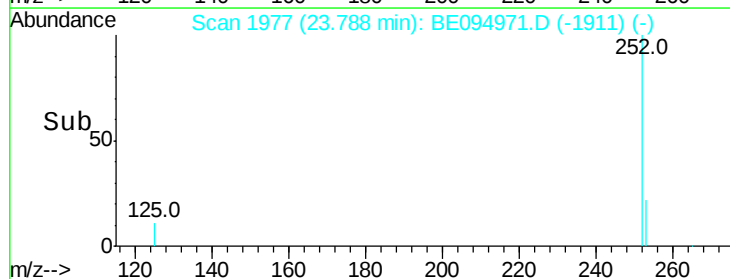
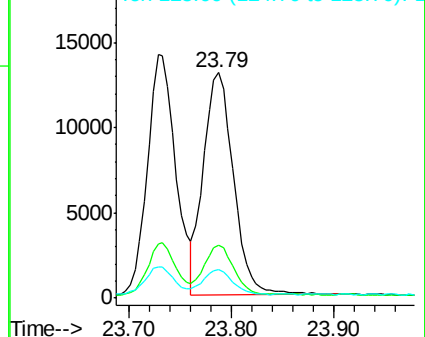
125 12.4 56.0 84.0#

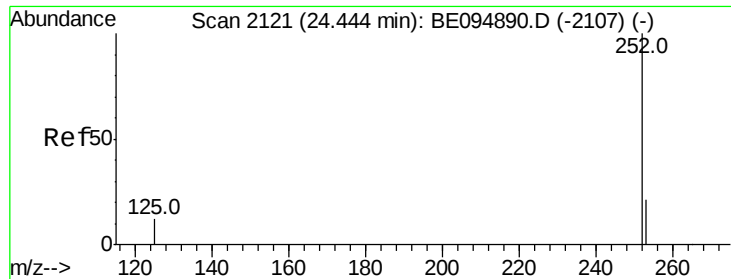


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.382 ng

RT: 24.44 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

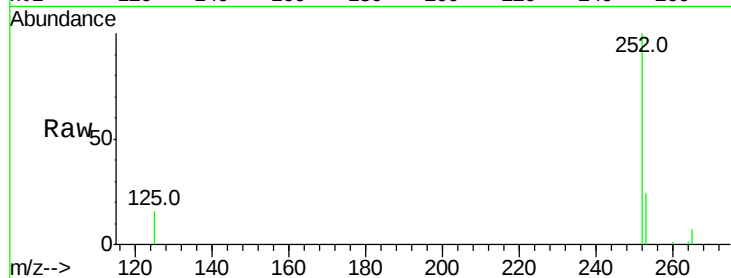
Tot Ion:252 Resp: 23812

Ion Ratio Lower Upper

252 100

253 23.9 52.0 78.0#

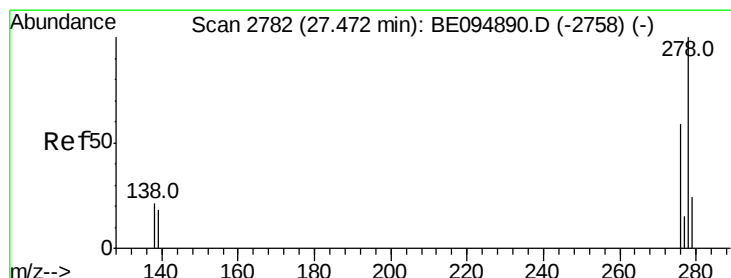
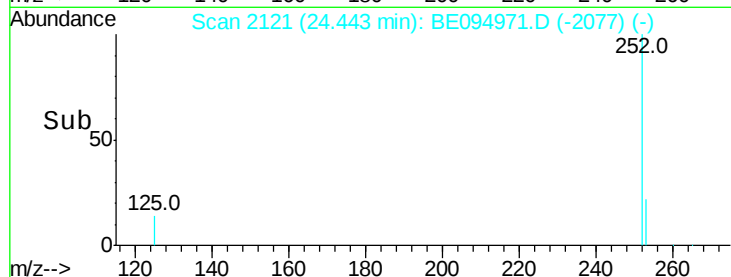
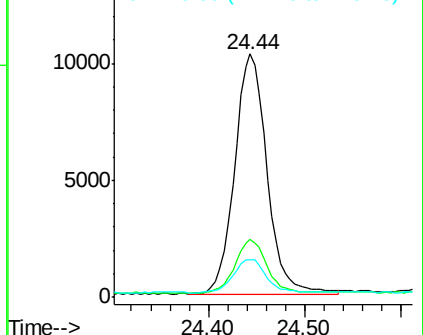
125 15.6 68.0 102.0#



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: 0.378 ng

RT: 27.46 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

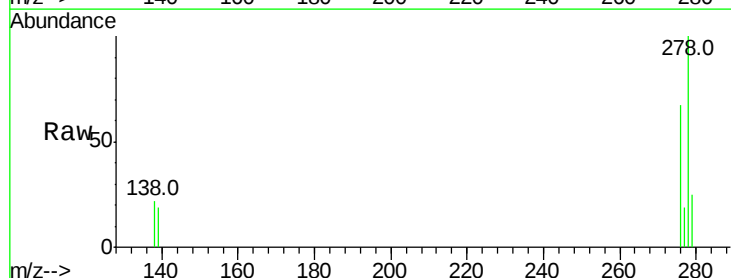
Tgt Ion:278 Resp: 21795

Ion Ratio Lower Upper

278 100

139 18.9 56.0 84.0#

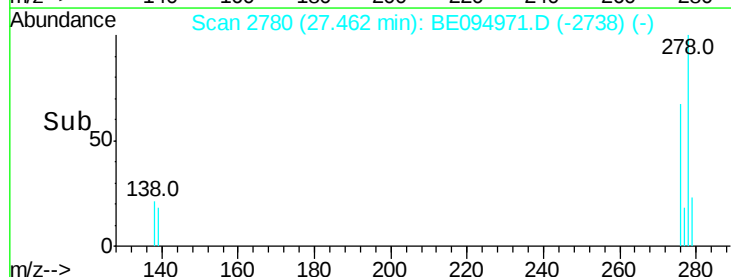
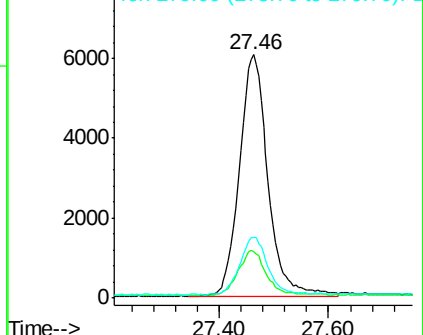
279 24.7 52.0 78.0#

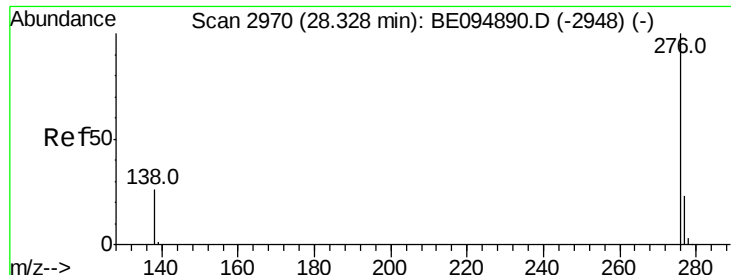


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.381 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094971.D

Acq: 11 Dec 2017 12:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

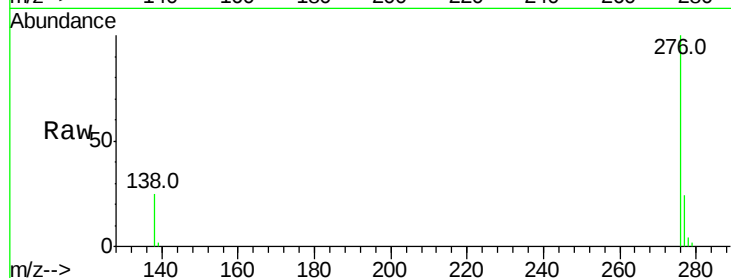
Tot Ion: 276 Resp: 21933

Ion Ratio Lower Upper

276 100

277 23.6 52.0 78.0#

138 24.9 44.0 66.0#



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

