

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080217\
 Data File : BE093639.D
 Acq On : 2 Aug 2017 23:00
 Operator : SJ/JU
 Sample : I4425-02
 Misc : I4426-07
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-27-1-D

Quant Time: Aug 03 02:49:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2514	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	12658	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	12611	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	19354	0.40	ng	0.00
27) Chrysene-d12	21.40	240	20529	0.40	ng	-0.01
34) Perylene-d12	23.91	264	18069	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	2779	0.37	ng	0.00
5) Phenol-d6	7.09	99	4291	0.38	ng	-0.01
8) Nitrobenzene-d5	9.06	82	9627	1.00	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	6403	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	520	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8542	0.17	ng	-0.02
25) Fluoranthene-d10	19.27	212	63380	0.29	ng	0.00
29) Terphenyl-d14	19.86	244	10805	0.29	ng	0.00

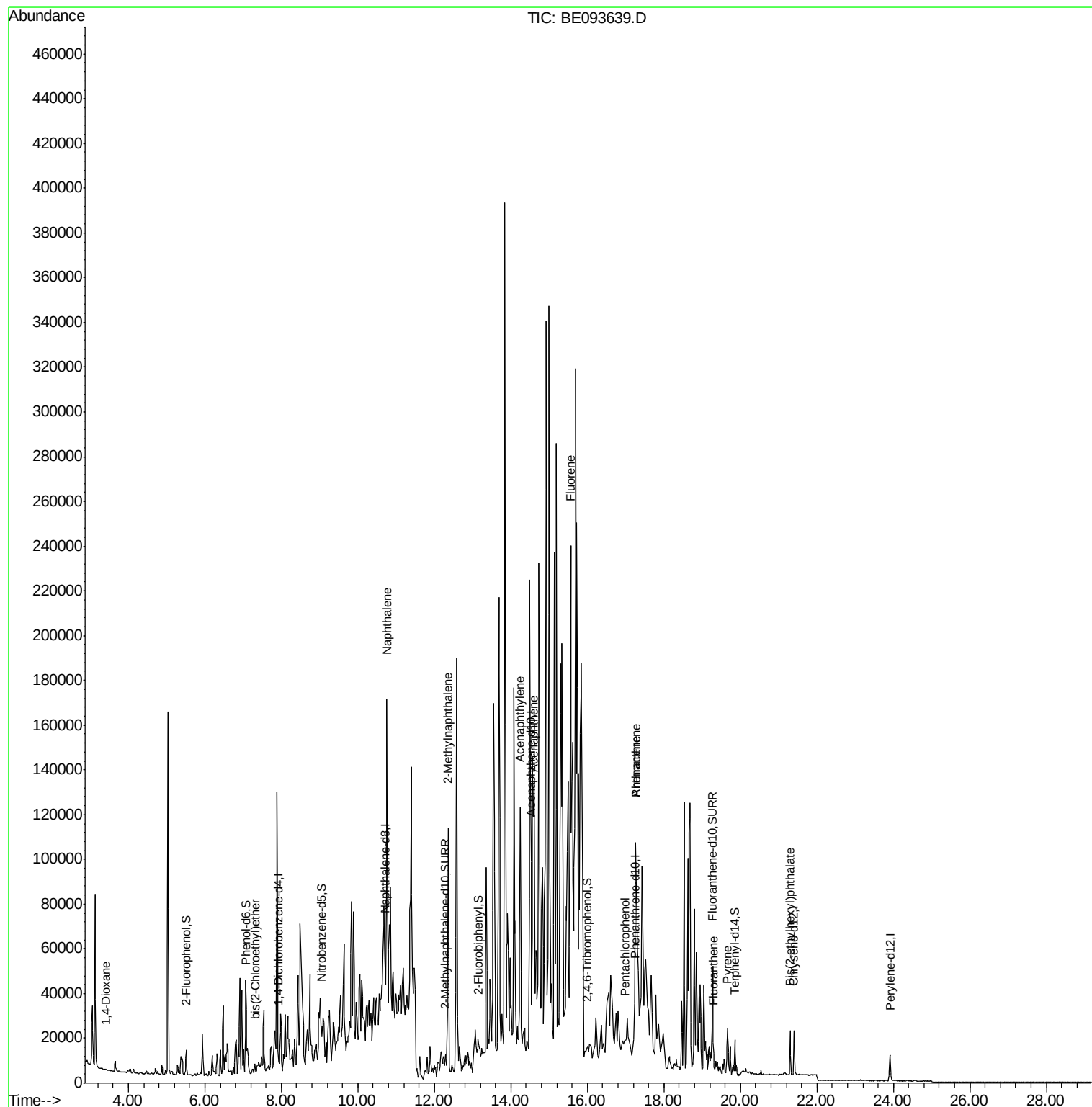
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.41	88	173	0.042	ng	# 20
6) bis(2-Chloroethyl)ether	7.31	93	283	0.030	ng	# 1
9) Naphthalene	10.76	128	243515	1.662	ng	# 97
12) 2-Methylnaphthalene	12.36	142	75753	3.125	ng	# 99
16) Acenaphthylene	14.24	152	17656	0.293	ng	# 1
17) Acenaphthene	14.58	154	36128	0.850	ng	# 45
18) Fluorene	15.56	166	77277	1.360	ng	# 18
21) Hexachlorobenzene	16.58	284	20	Below Cal		# 100
22) Pentachlorophenol	16.97	266	370	0.248	ng	# 65
23) Phenanthrene	17.27	178	230745	5.422	ng	# 81
24) Anthracene	17.27	178	220598	3.791	ng	# 79
26) Fluoranthene	19.30	202	7733	0.114	ng	# 82
28) Pyrene	19.67	202	25207	0.380	ng	# 61
32) Bis(2-ethylhexyl)phthalate	21.30	149	21359	0.260	ng	# 98

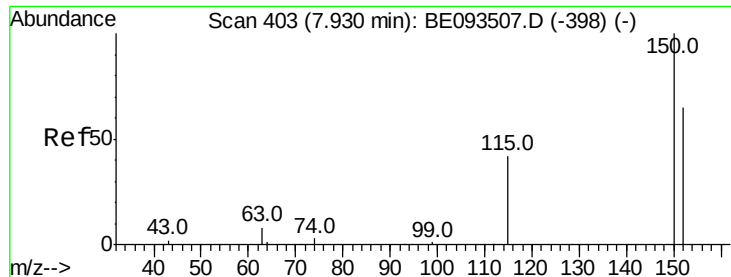
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080217\
Data File : BE093639.D
Acq On : 2 Aug 2017 23:00
Operator : SJ/JU
Sample : I4425-02
Misc : I4426-07
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-D

Quant Time: Aug 03 02:49:23 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 10:58:31 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.01 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

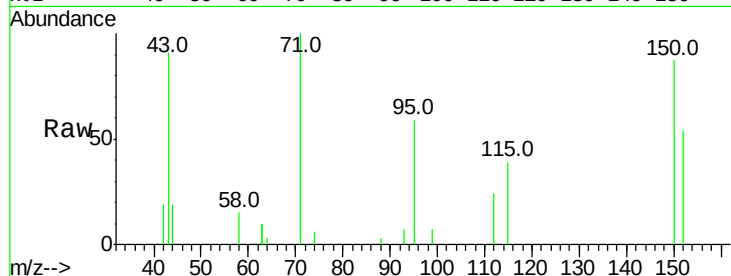
Tot Ion:152 Resp: 2514

Ion Ratio Lower Upper

152 100

150 158.9 125.1 187.7

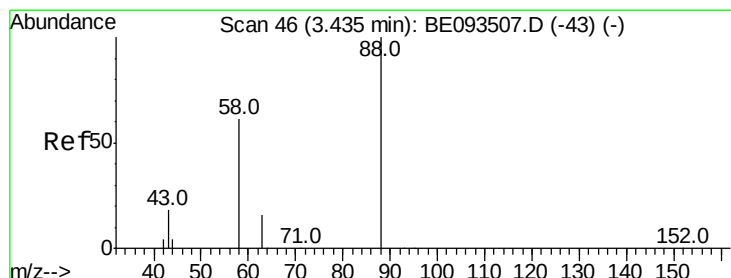
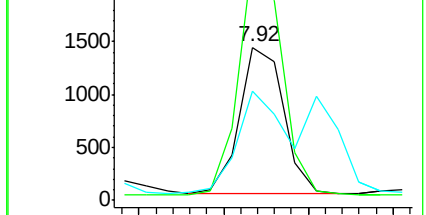
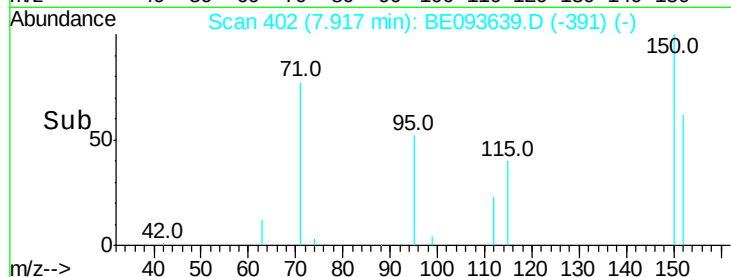
115 71.6 55.7 83.5



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: 0.042 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.03 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

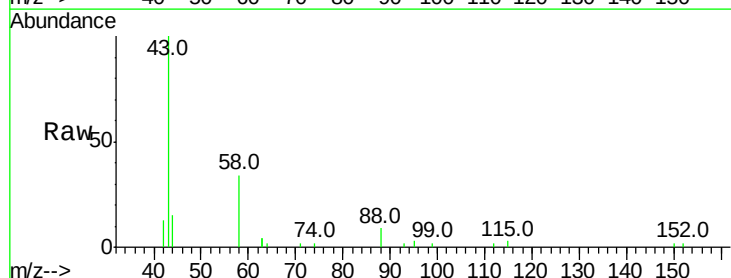
Tgt Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

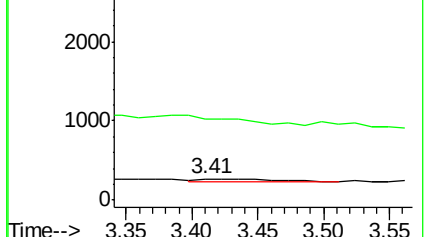
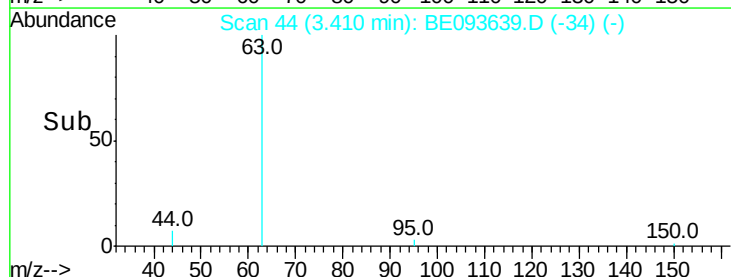
43 0.0 23.2 34.8#

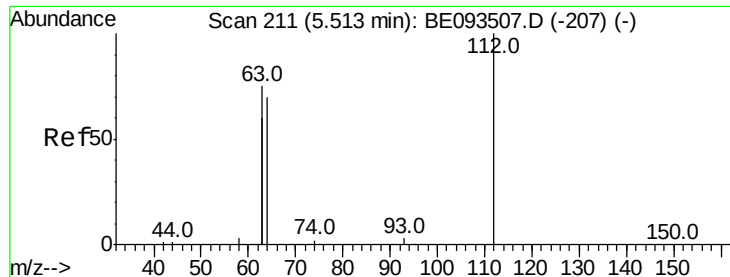


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.371 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

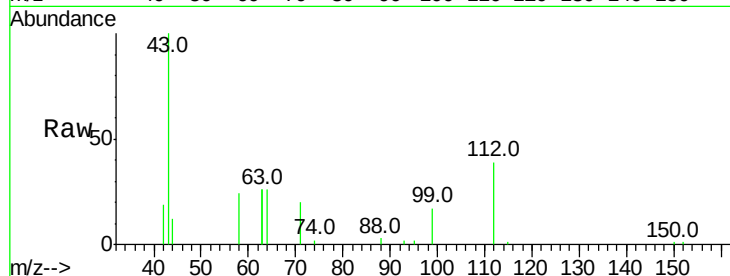
Tot Ion:112 Resp: 2779

Ion Ratio Lower Upper

112 100

64 70.4 56.4 84.6

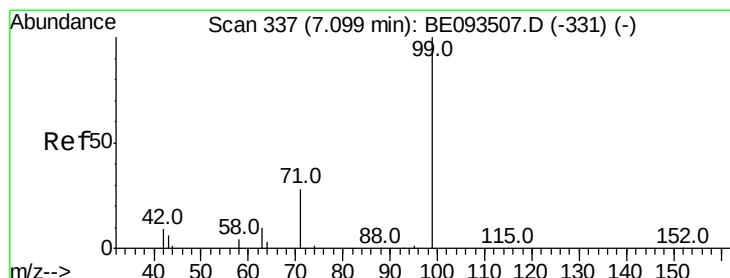
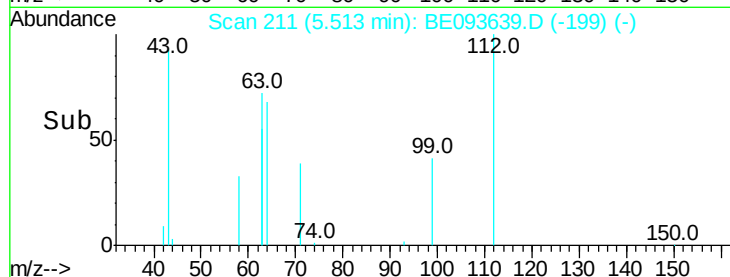
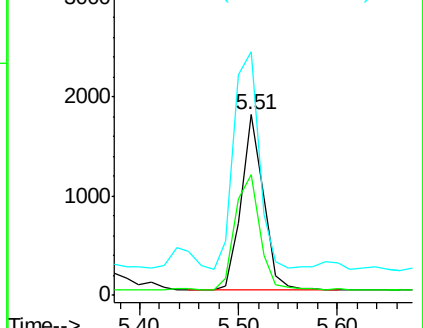
63 138.4 29.3 43.9#



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: 0.381 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

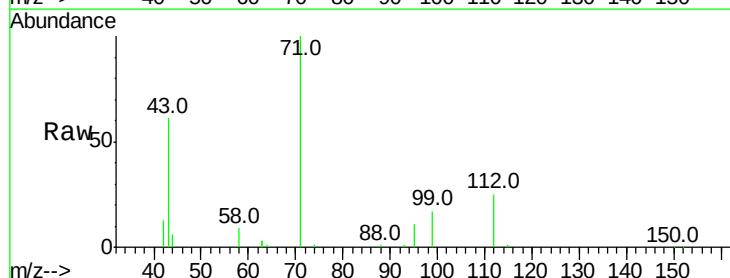
Tgt Ion: 99 Resp: 4291

Ion Ratio Lower Upper

99 100

42 142.2 0.0 0.0#

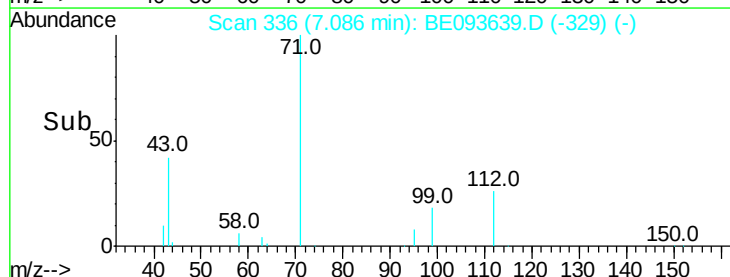
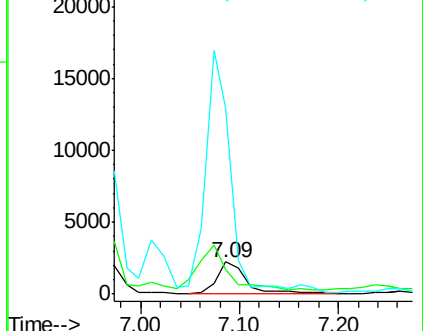
71 683.2 0.0 0.0#

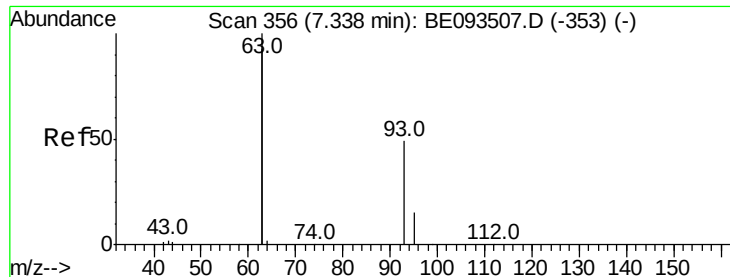


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.030 ng

RT: 7.31 min Scan# 354

Delta R.T. -0.03 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

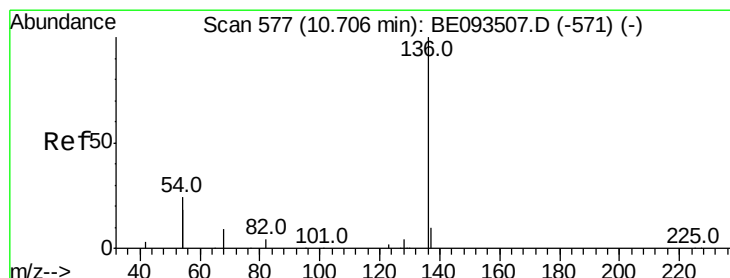
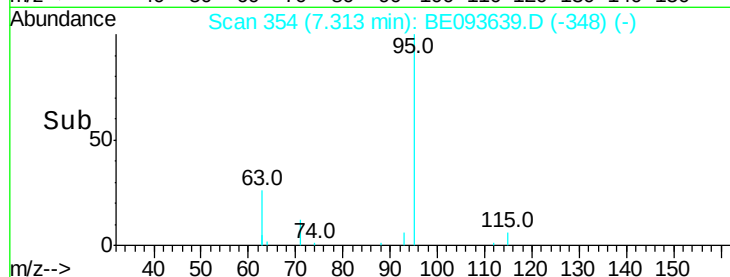
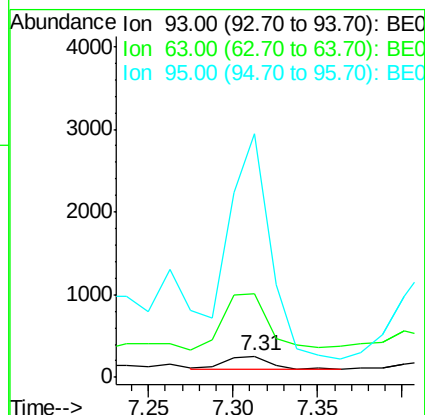
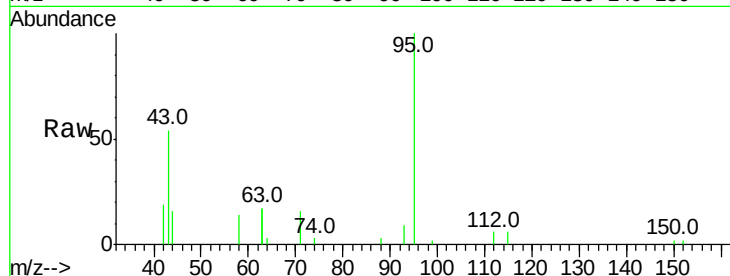
Tot Ion: 93 Resp: 283

Ion Ratio Lower Upper

93 100

63 465.4 0.0 0.0#

95 1546.3 25.4 38.0#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Tgt Ion: 136 Resp: 12658

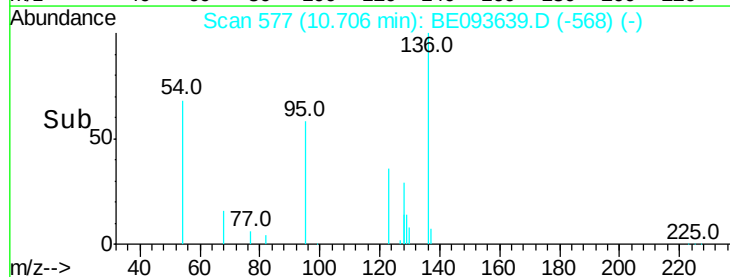
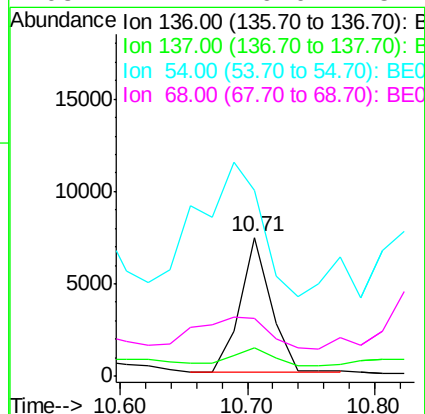
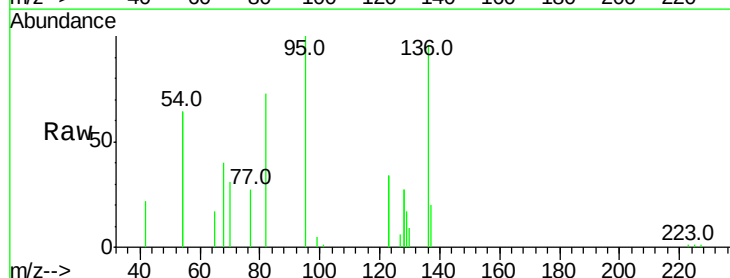
Ion Ratio Lower Upper

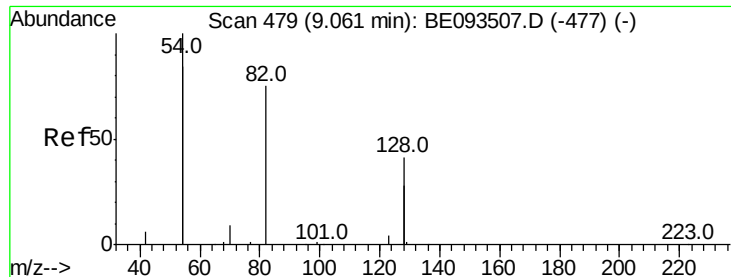
136 100

137 20.5 9.8 14.8#

54 134.0 10.3 15.5#

68 42.1 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.997 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

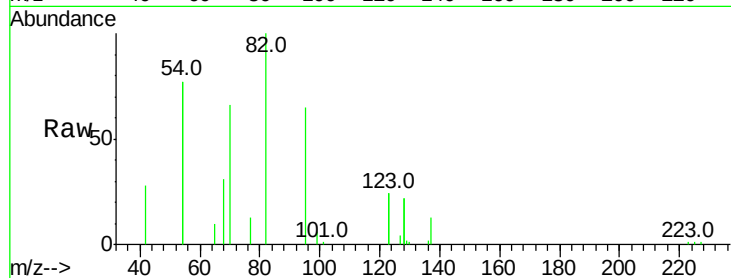
Tot Ion: 82 Resp: 9627

Ion Ratio Lower Upper

82 100

128 44.7 17.0 25.4#

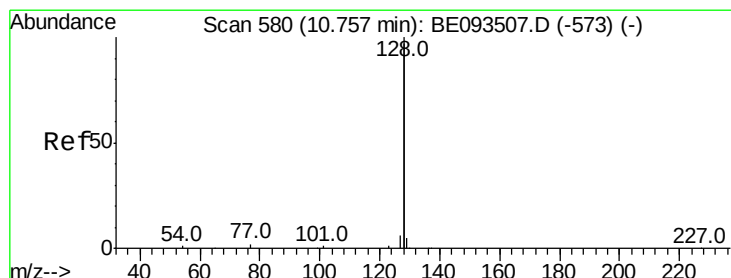
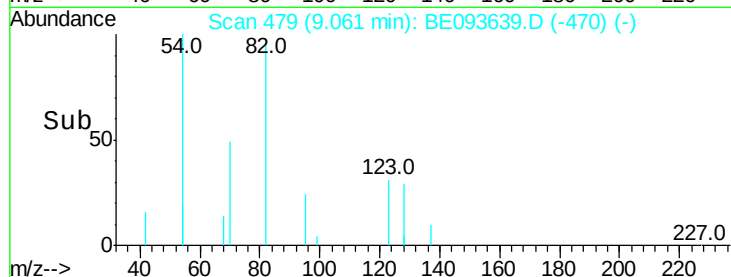
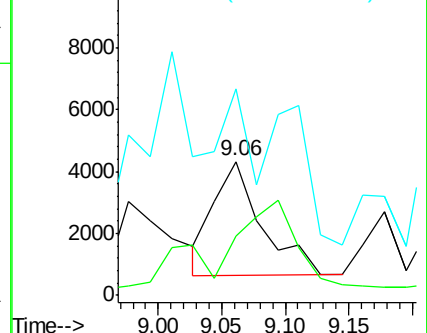
54 154.4 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093639.D (-470) (-)

Ion 128.00 (127.70 to 128.70): BE093639.D (-470) (-)

Ion 54.00 (53.70 to 54.70): BE093639.D (-470) (-)



#9

Naphthalene

Concen: 1.662 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

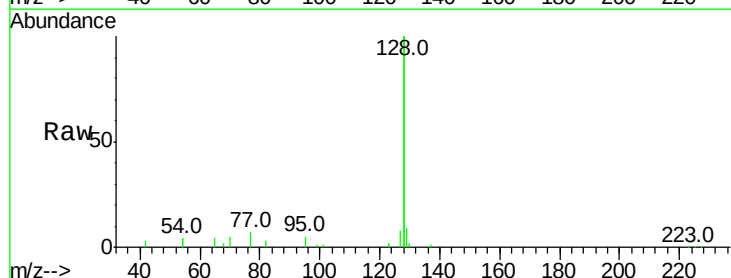
Tgt Ion: 128 Resp: 243515

Ion Ratio Lower Upper

128 100

129 4.3 2.4 3.6#

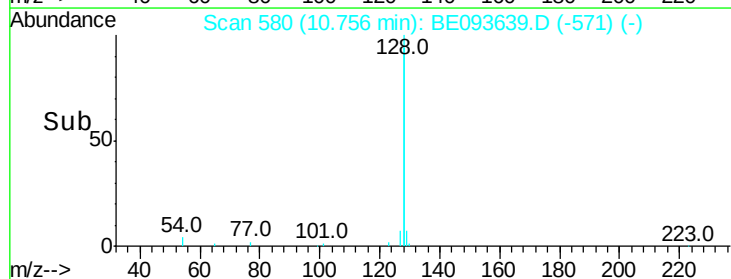
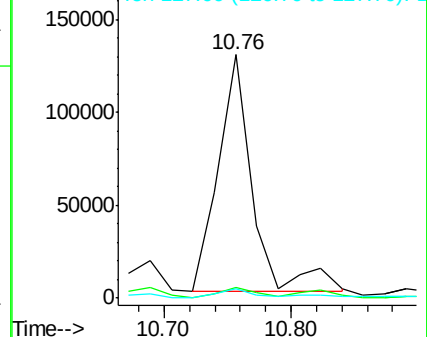
127 3.8 2.4 3.6#

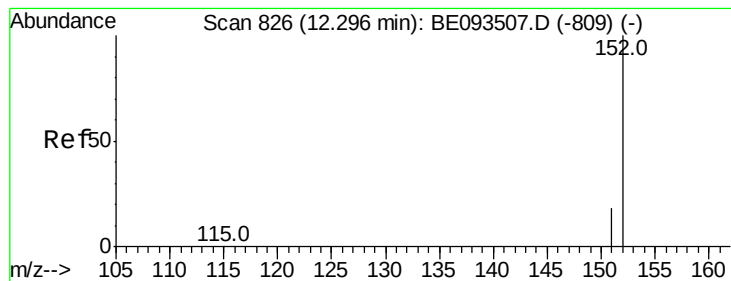


Abundance Ion 128.00 (127.70 to 128.70): BE093639.D (-571) (-)

Ion 129.00 (128.70 to 129.70): BE093639.D (-571) (-)

Ion 127.00 (126.70 to 127.70): BE093639.D (-571) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.320 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

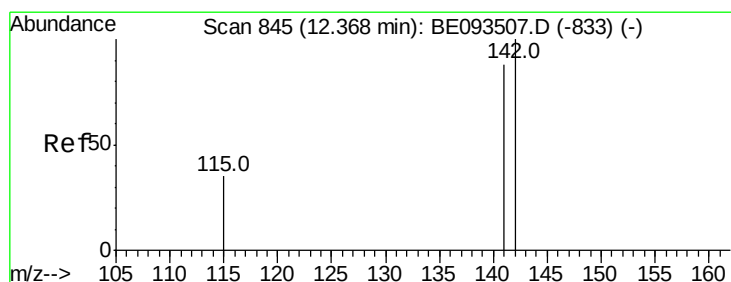
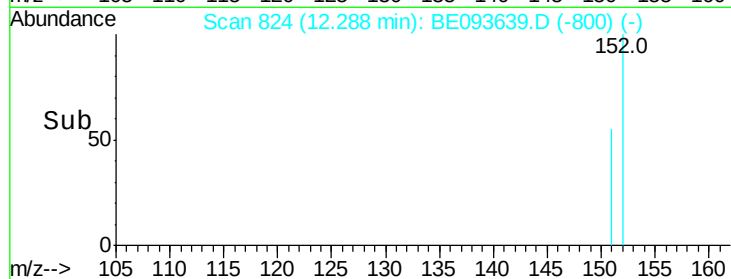
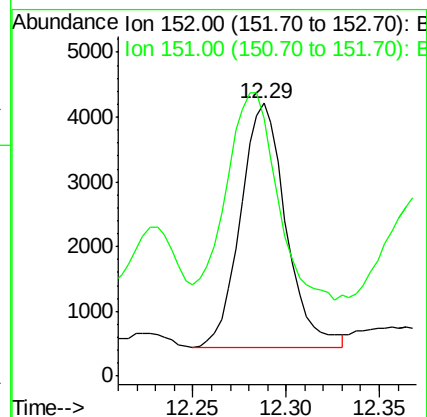
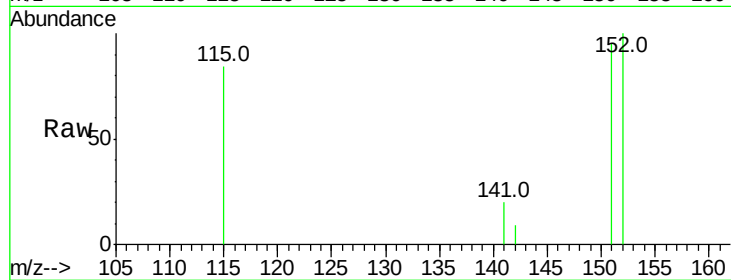
CSSB-27-1-D

Tot Ion:152 Resp: 6403

Ion Ratio Lower Upper

152 100

151 92.4 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 3.125 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

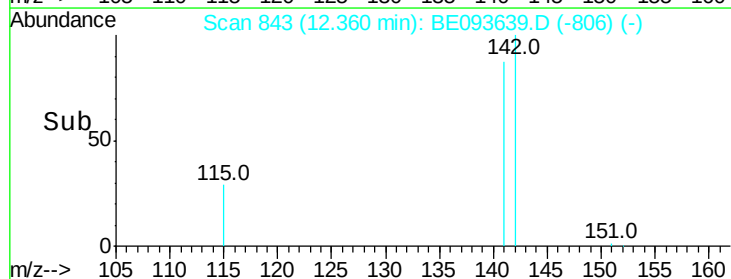
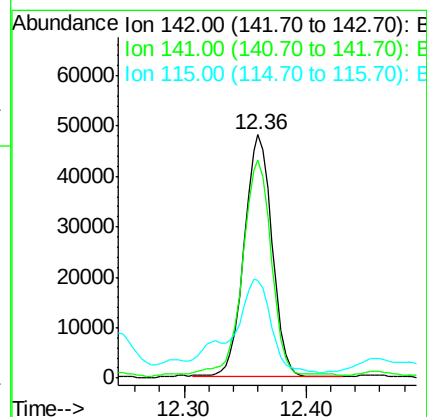
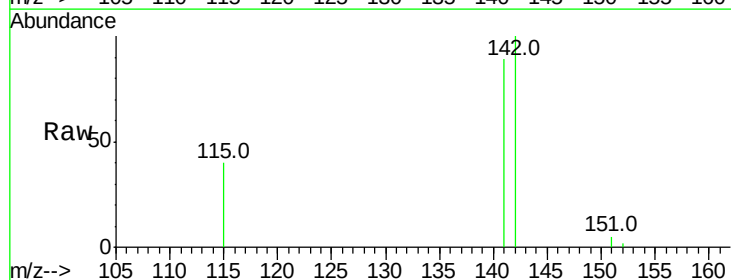
Tgt Ion:142 Resp: 75753

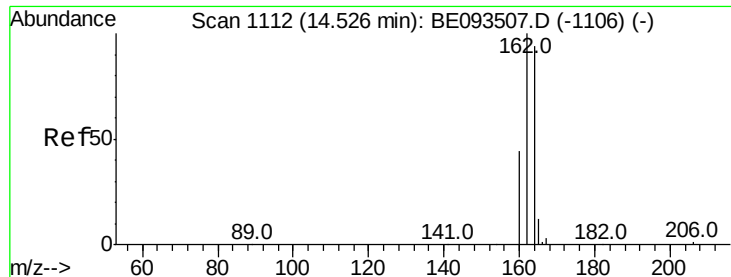
Ion Ratio Lower Upper

142 100

141 89.3 72.6 108.8

115 40.3 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

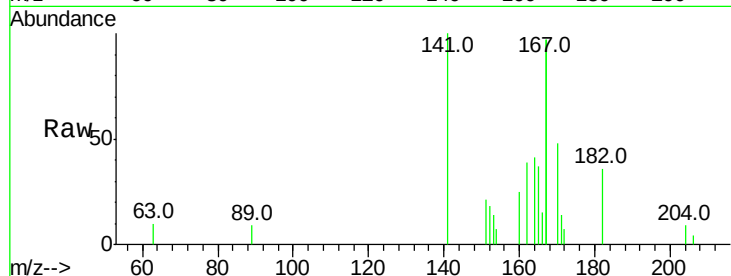
Tot Ion:164 Resp: 12611

Ion Ratio Lower Upper

164 100

162 97.2 84.6 127.0

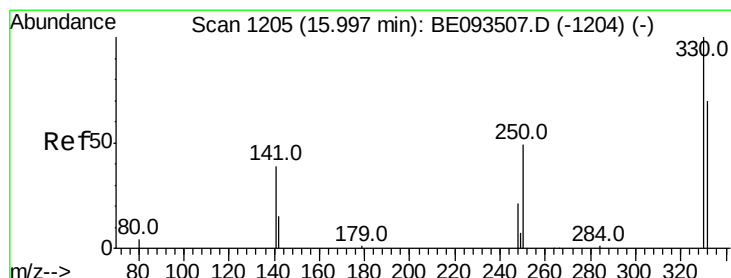
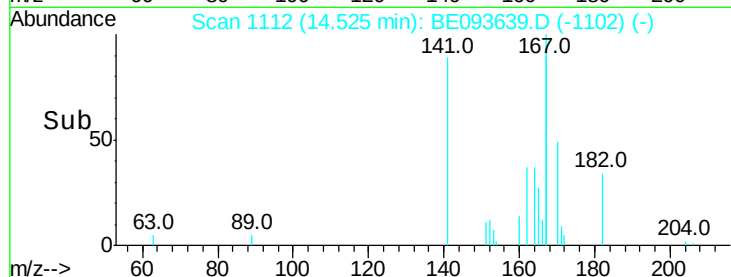
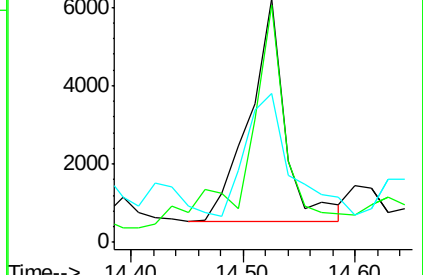
160 61.3 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.245 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

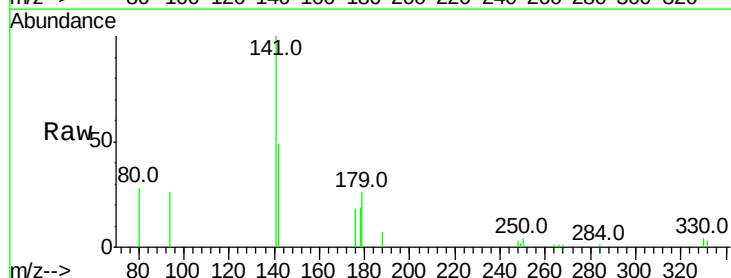
Tgt Ion:330 Resp: 520

Ion Ratio Lower Upper

330 100

332 90.6 77.7 116.5

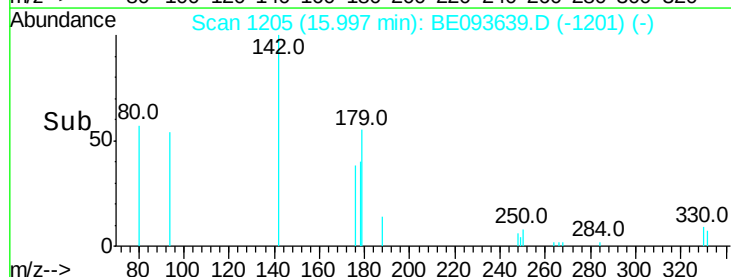
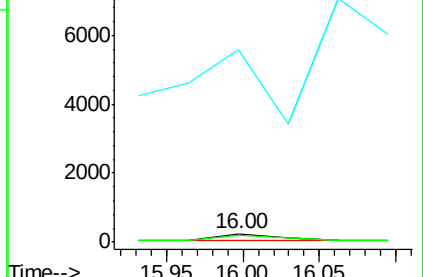
141 0.0 56.2 84.4#

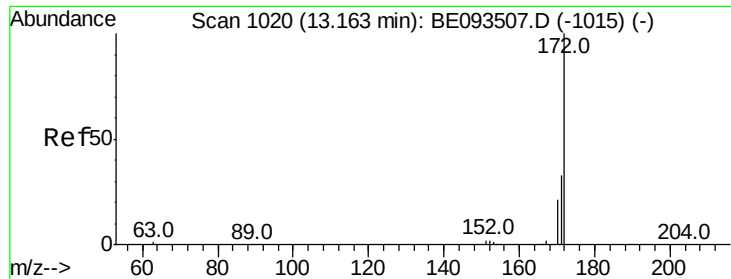


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

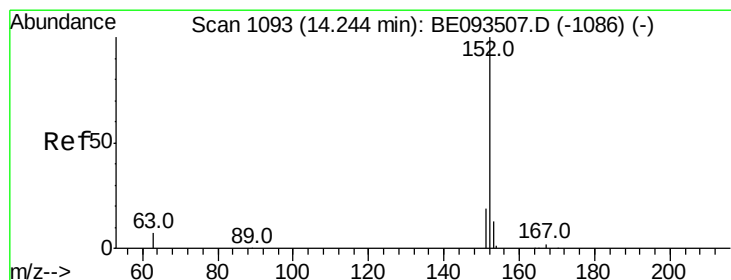
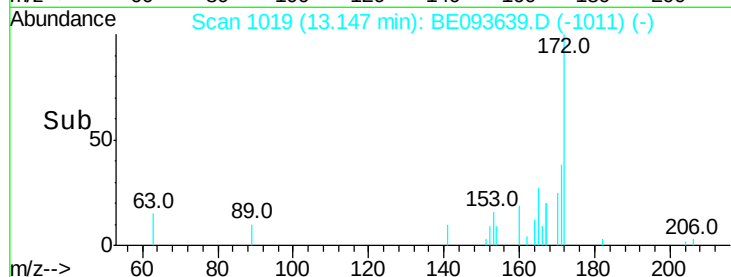
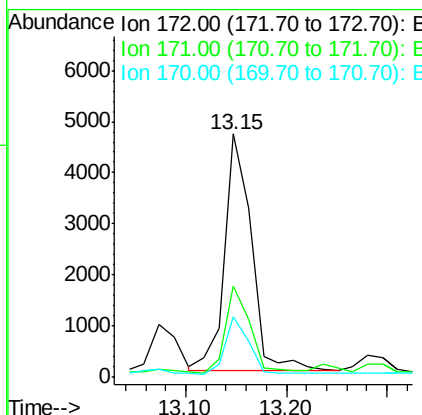
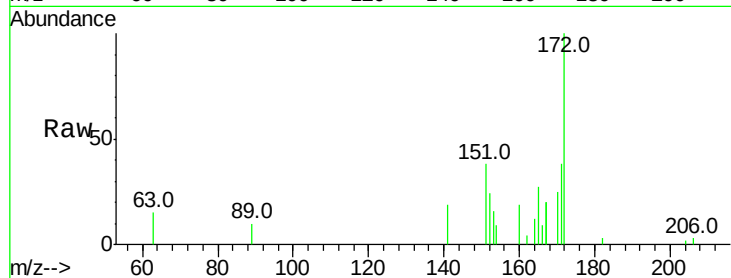




#15
2-Fluorobiphenyl
Concen: 0.169 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

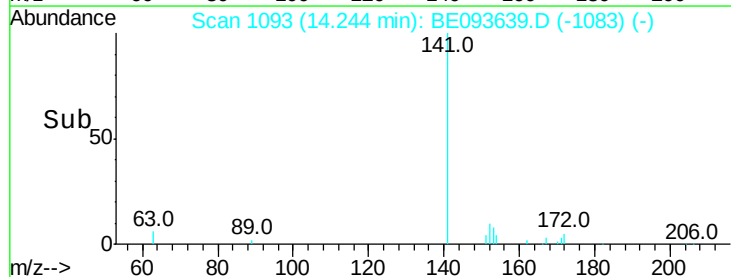
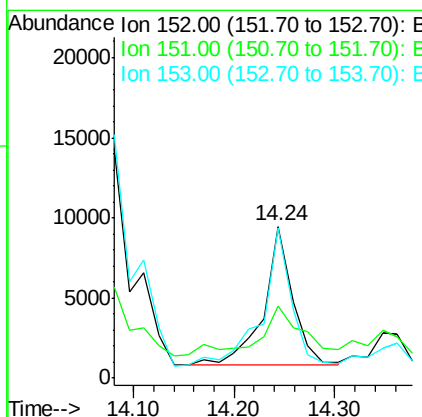
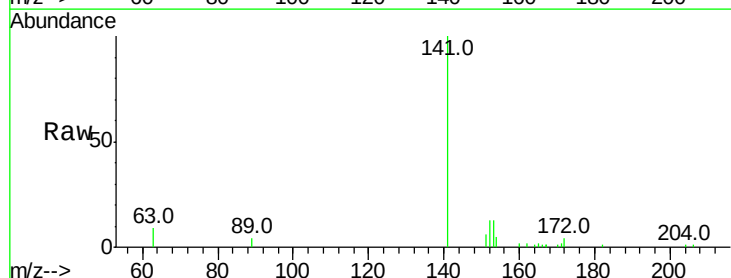
Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-D

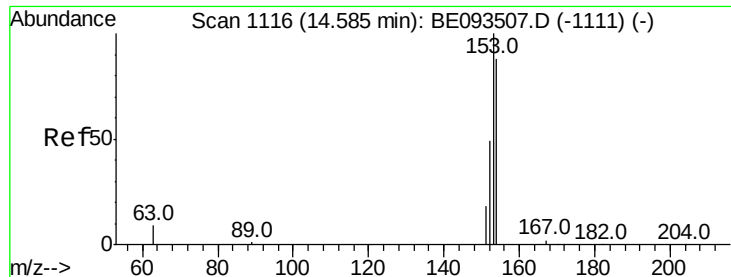
Tot Ion:172 Resp: 8542
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 25.1 20.7 31.1



#16
Acenaphthylene
Concen: 0.293 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

Tgt Ion:152 Resp: 17656
Ion Ratio Lower Upper
152 100
151 52.2 4.0 6.0#
153 99.9 10.3 15.5#

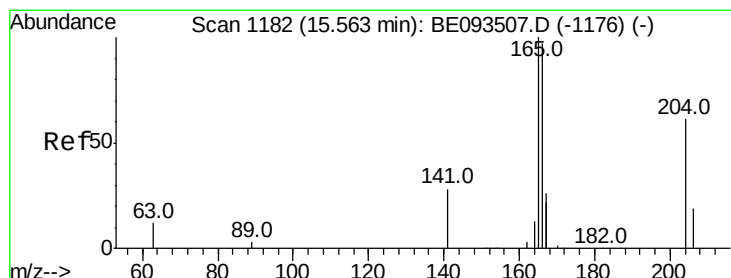
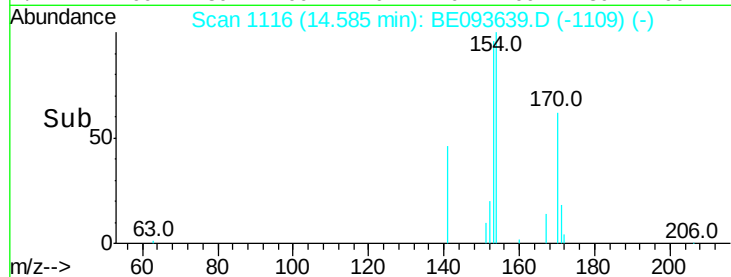
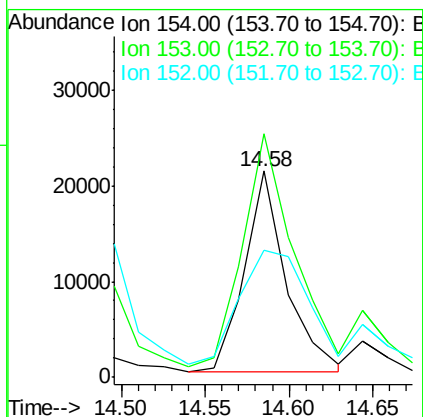
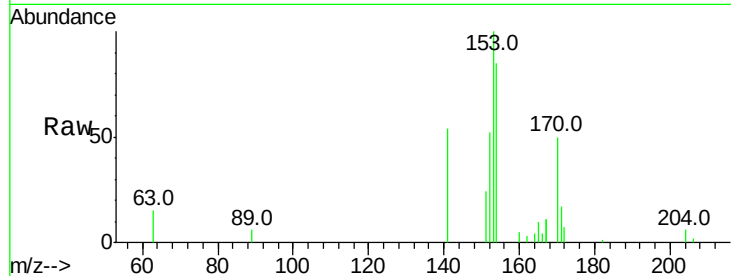




#17
Acenaphthene
Concen: 0.850 ng
RT: 14.58 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

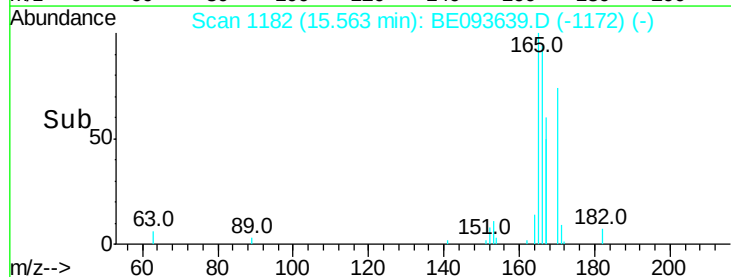
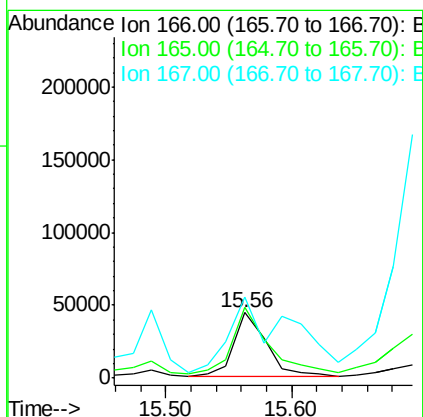
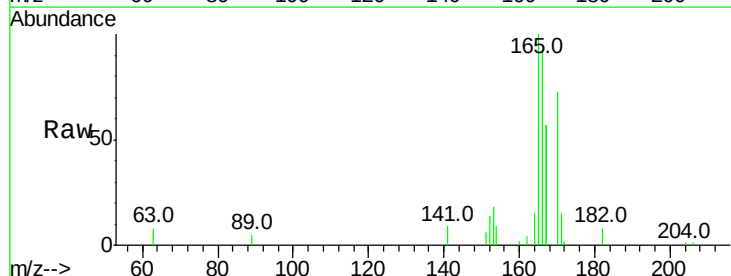
Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-D

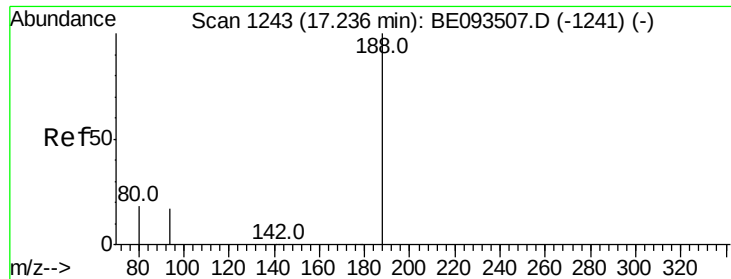
Tot Ion:154 Resp: 36128
Ion Ratio Lower Upper
154 100
153 163.9 91.2 136.8#
152 108.4 44.8 67.2#



#18
Fluorene
Concen: 1.360 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

Tgt Ion:166 Resp: 77277
Ion Ratio Lower Upper
166 100
165 117.4 78.6 117.8
167 225.2 11.1 16.7#

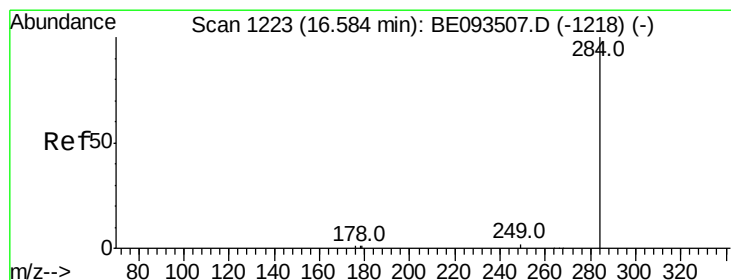
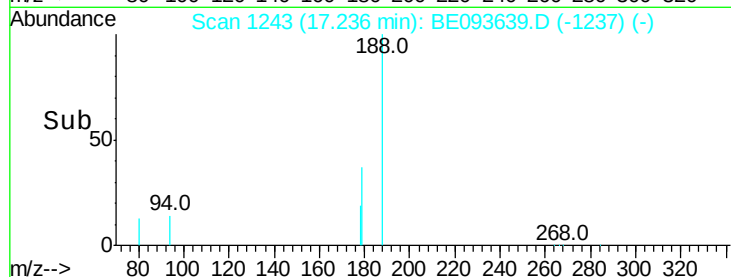
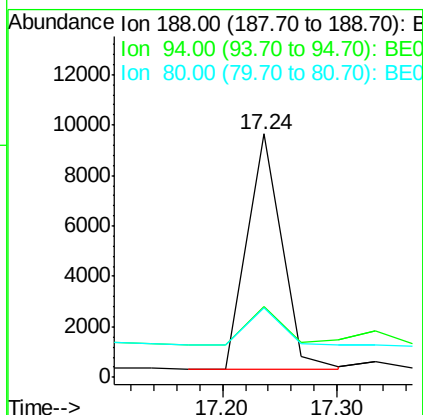
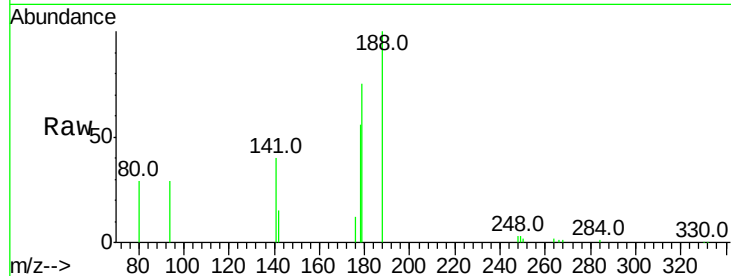




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

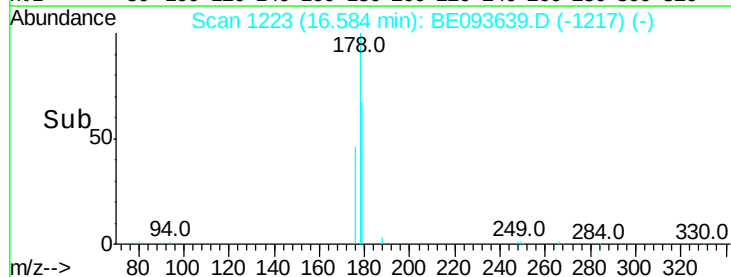
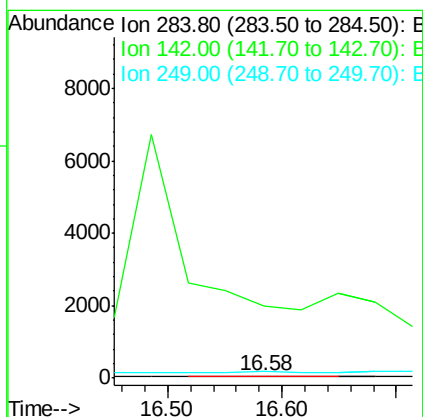
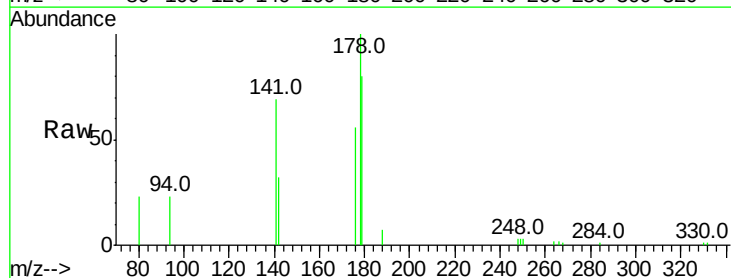
Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-D

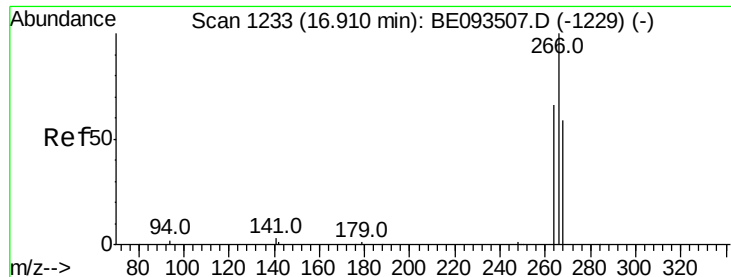
Tot Ion:188 Resp: 19354
Ion Ratio Lower Upper
188 100
94 28.9 11.3 16.9#
80 28.8 11.7 17.5#



#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.58 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

Tgt Ion:284 Resp: 20
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





#22

Pentachlorophenol

Concen: 0.248 ng

RT: 16.97 min Scan# 1235

Delta R.T. 0.06 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

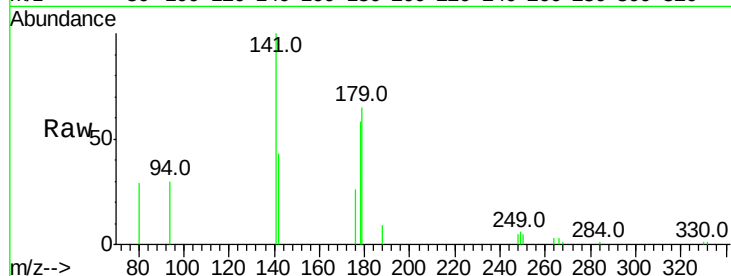
Tot Ion:266 Resp: 370

Ion Ratio Lower Upper

266 100

264 107.9 56.0 84.0#

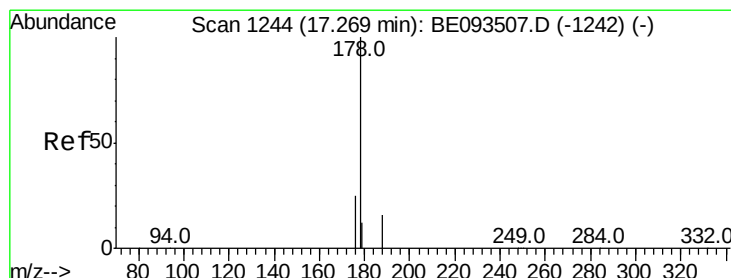
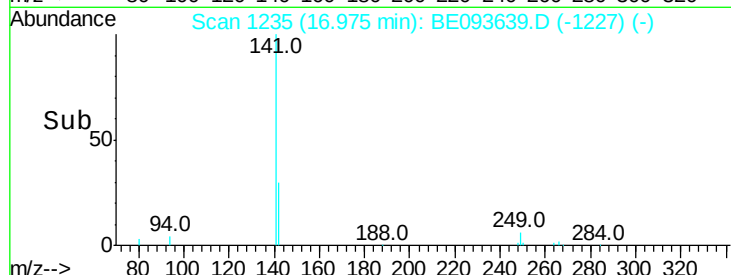
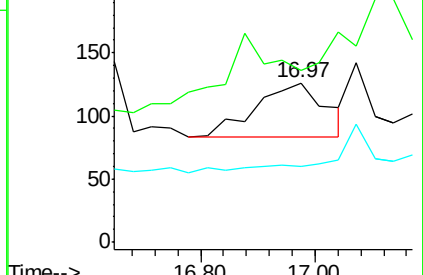
268 47.6 52.0 78.0#



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: 5.422 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

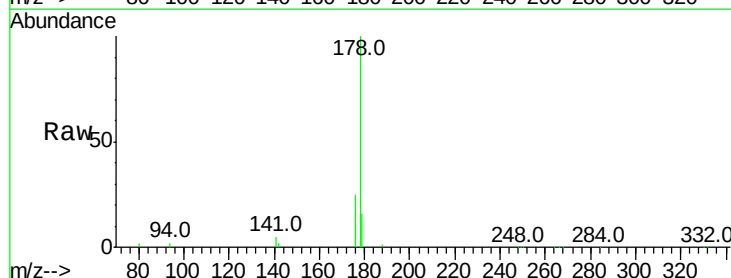
Tgt Ion:178 Resp: 230745

Ion Ratio Lower Upper

178 100

176 19.8 15.0 22.4

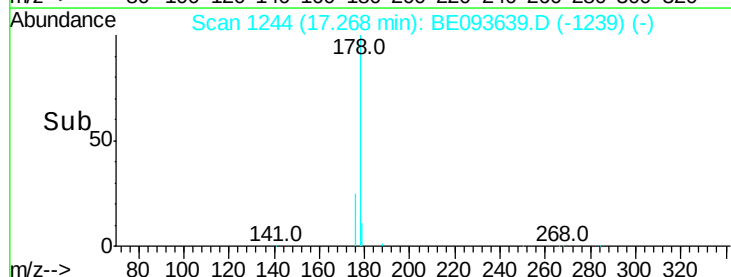
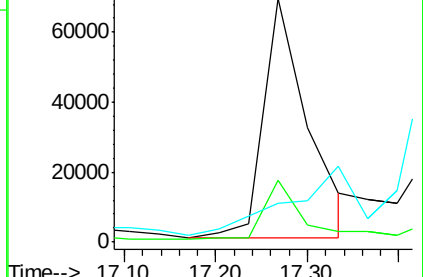
179 0.0 12.7 19.1#

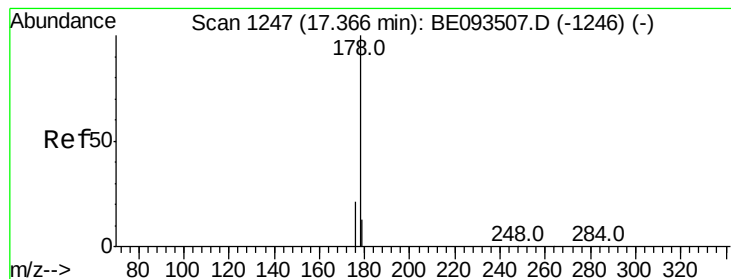


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 3.791 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

Instrument :

BNA_E

ClientSampleId :

CSSB-27-1-D

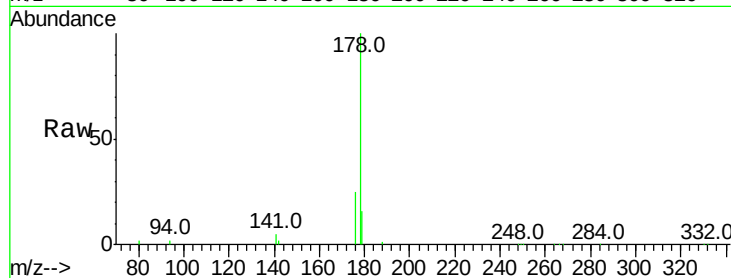
Tot Ion:178 Resp: 220598

Ion Ratio Lower Upper

178 100

176 22.1 14.6 22.0#

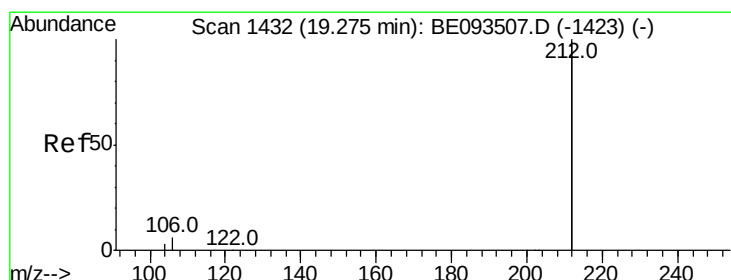
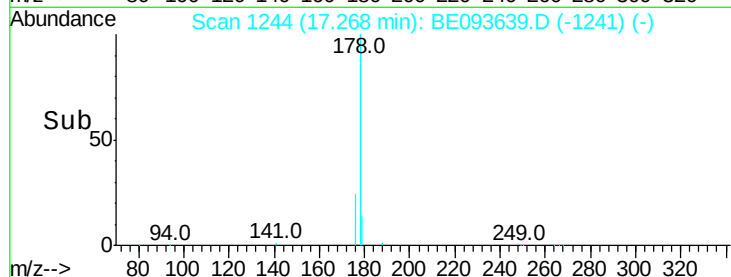
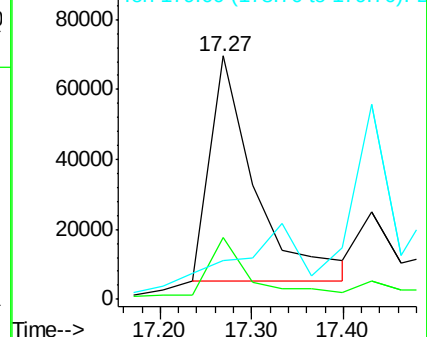
179 0.0 12.0 18.0#



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: 0.288 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093639.D

Acq: 2 Aug 2017 23:00

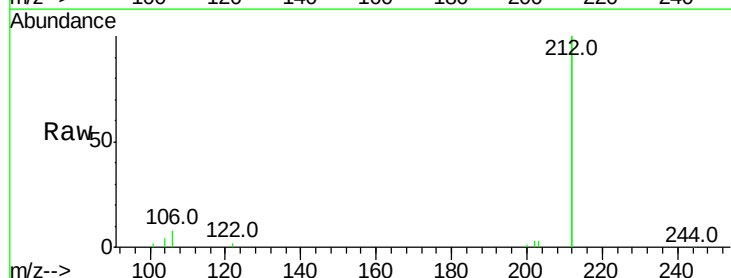
Tgt Ion:212 Resp: 63380

Ion Ratio Lower Upper

212 100

106 3.8 2.4 3.6#

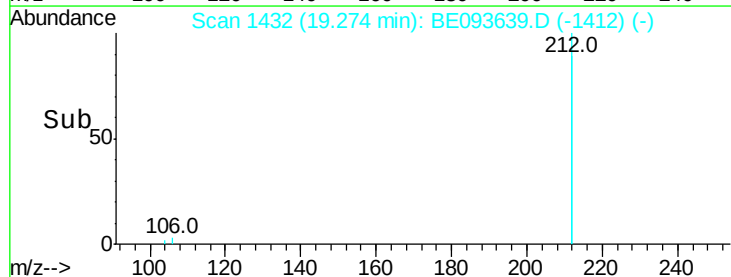
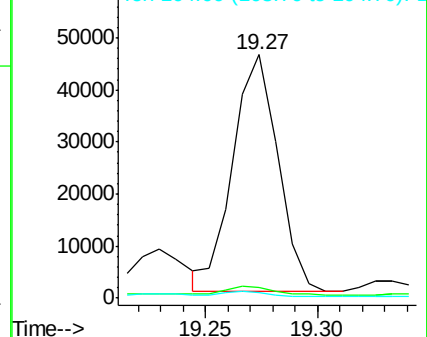
104 2.1 1.6 2.4

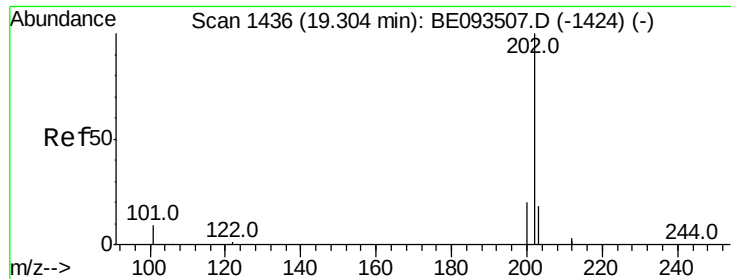


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

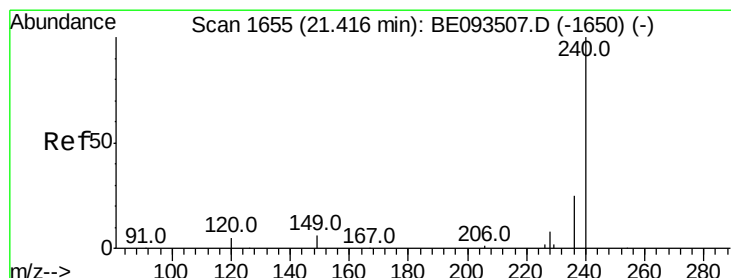
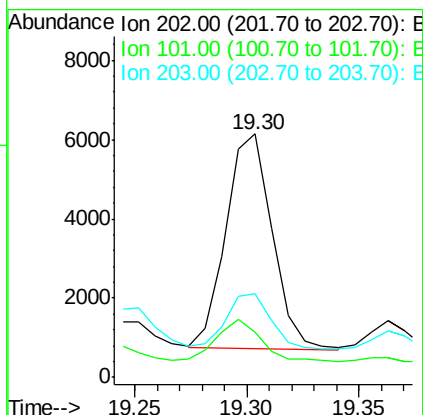
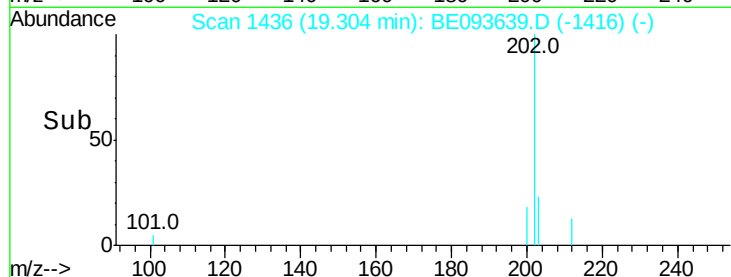
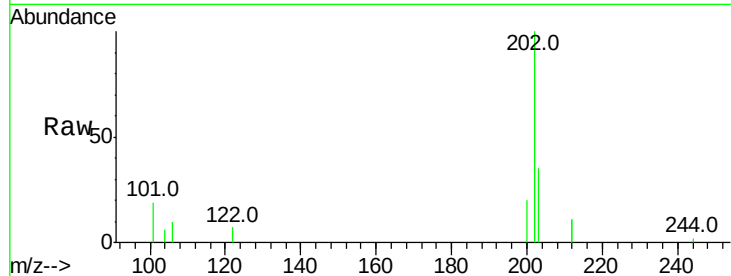




#26
 Fluoranthene
 Concen: 0.114 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE093639.D
 Acq: 2 Aug 2017 23:00

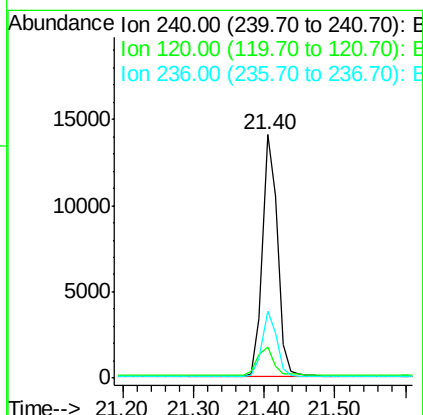
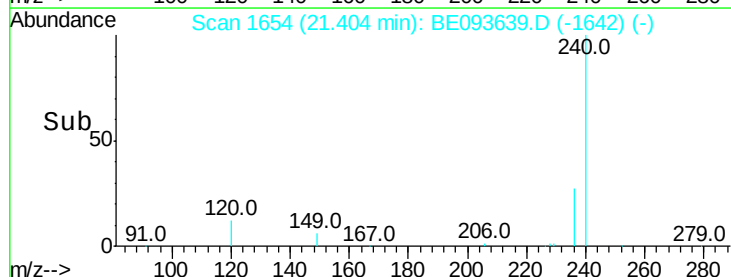
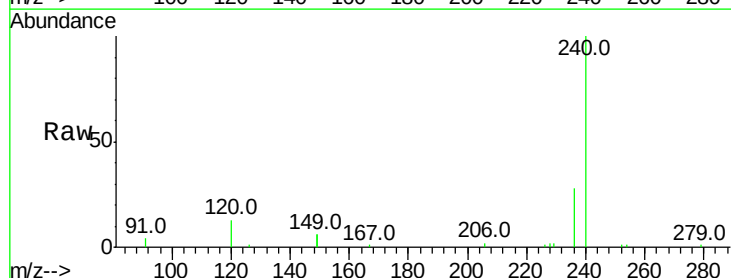
Instrument :
 BNA_E
 ClientSampleId :
 CSSB-27-1-D

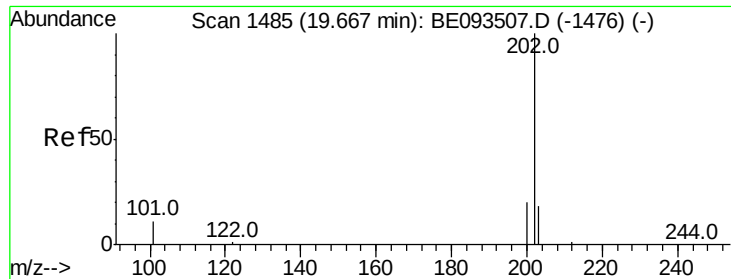
Tot Ion:202 Resp: 7733
 Ion Ratio Lower Upper
 202 100
 101 19.6 9.6 14.4#
 203 25.4 14.4 21.6#



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093639.D
 Acq: 2 Aug 2017 23:00

Tgt Ion:240 Resp: 20529
 Ion Ratio Lower Upper
 240 100
 120 12.8 4.6 7.0#
 236 27.6 20.8 31.2

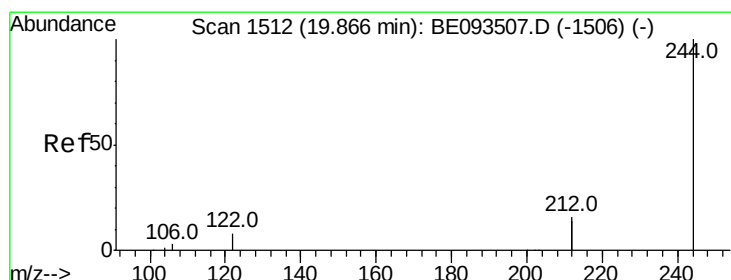
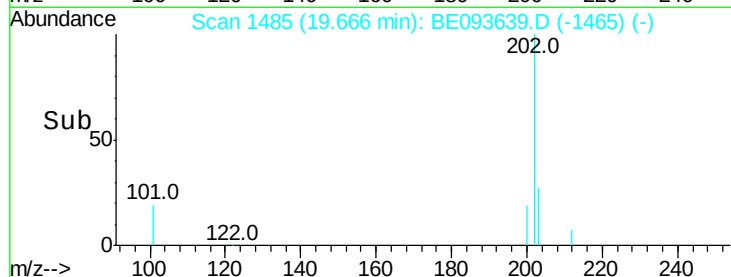
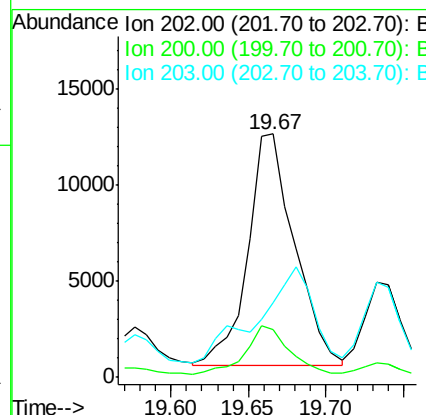
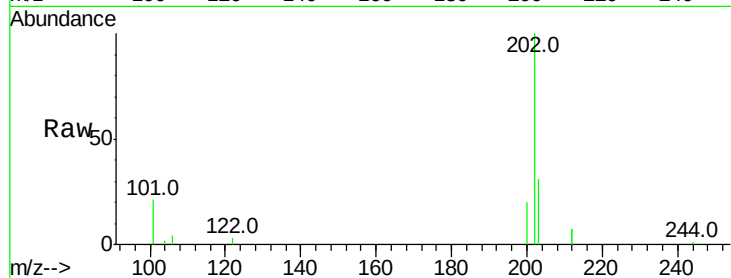




#28
Pvrene
Concen: 0.380 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

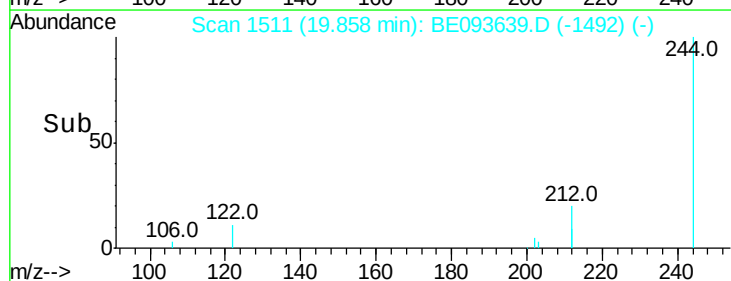
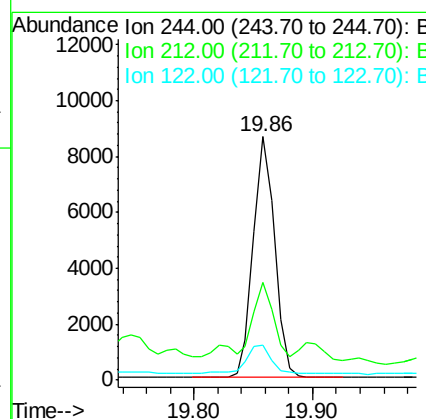
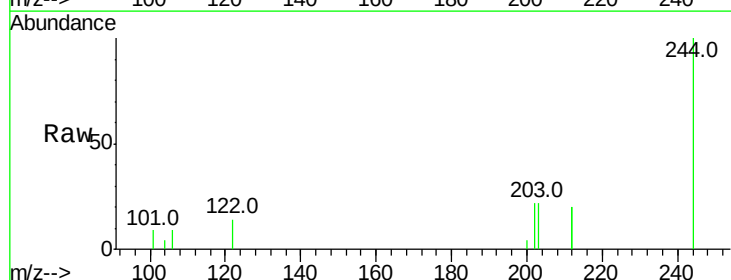
Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-D

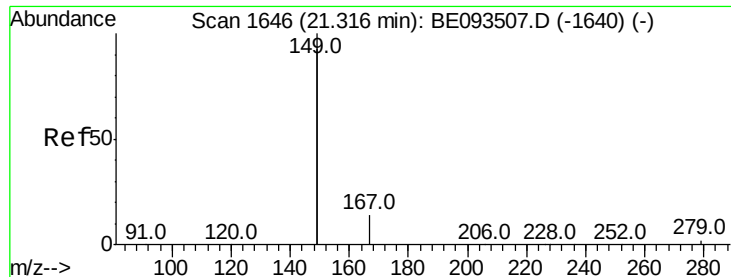
Tot Ion:202 Resp: 25207
Ion Ratio Lower Upper
202 100
200 19.1 0.0 0.0#
203 0.0 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.293 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE093639.D
Acq: 2 Aug 2017 23:00

Tgt Ion:244 Resp: 10805
Ion Ratio Lower Upper
244 100
212 39.9 10.6 16.0#
122 14.3 15.4 23.0#

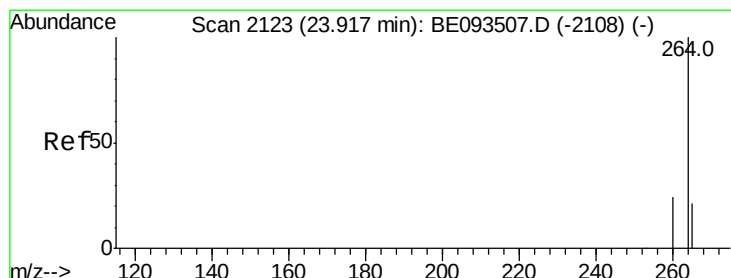
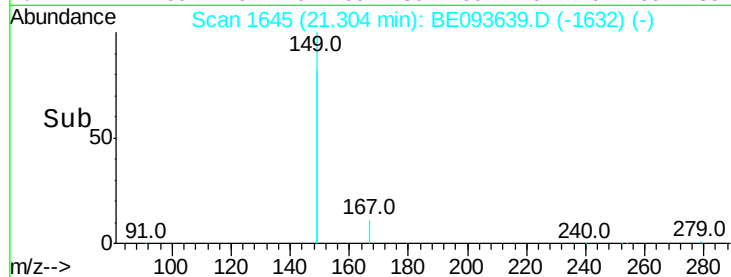
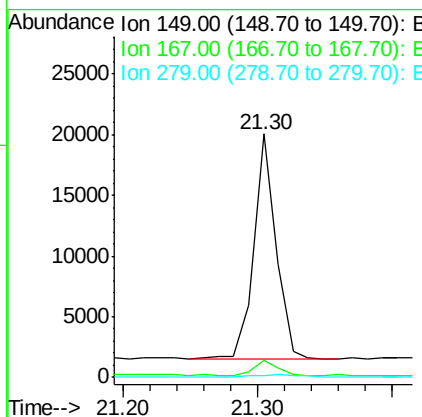
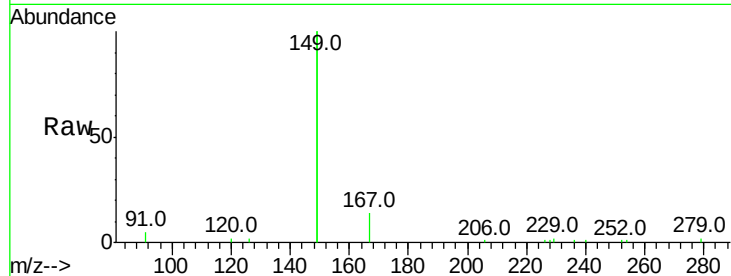




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.260 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093639.D
 Acq: 2 Aug 2017 23:00

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-27-1-D

Tot Ion:149 Resp: 21359
 Ion Ratio Lower Upper
 149 100
 167 6.6 4.8 7.2
 279 0.9 0.8 1.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE093639.D
 Acq: 2 Aug 2017 23:00

Tgt Ion:264 Resp: 18069
 Ion Ratio Lower Upper
 264 100
 260 25.3 21.0 31.4
 265 25.6 24.6 36.8

