

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080217\
 Data File : BE093641.D
 Acq On : 3 Aug 2017 00:15
 Operator : SJ/JU
 Sample : I4425-05
 Misc : I4426-07
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-28-2

Quant Time: Aug 03 02:49:50 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	2461	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	12121	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	7642	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	17593	0.40	ng	0.00
27) Chrysene-d12	21.40	240	19178	0.40	ng	-0.01
34) Perylene-d12	23.91	264	16686	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	2334	0.32	ng	0.00
5) Phenol-d6	7.09	99	3698	0.34	ng	-0.01
8) Nitrobenzene-d5	9.06	82	2778	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5324	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	497	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7715	0.25	ng	-0.02
25) Fluoranthene-d10	19.28	212	56144	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	8754	0.25	ng	0.00

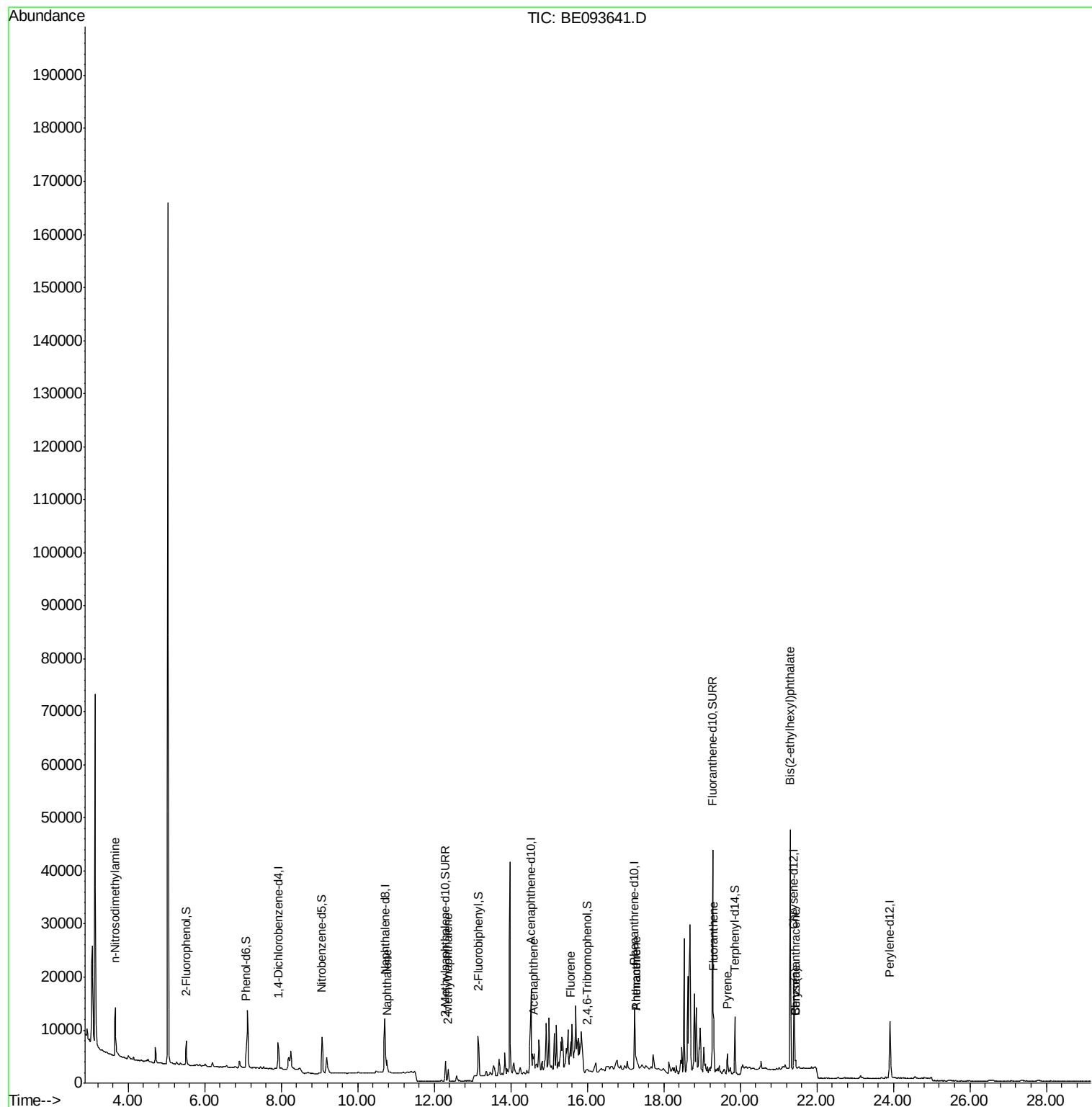
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.66	42	1894	0.507	ng	# 1
9) Naphthalene	10.76	128	3388	0.024	ng	# 92
12) 2-Methylnaphthalene	12.36	142	1733	0.075	ng	# 97
17) Acenaphthene	14.58	154	821	0.032	ng	# 32
18) Fluorene	15.56	166	1774	0.052	ng	# 57
23) Phenanthrene	17.27	178	5093	0.132	ng	# 81
24) Anthracene	17.27	178	4776	0.090	ng	# 84
26) Fluoranthene	19.30	202	9516	0.154	ng	100
28) Pyrene	19.66	202	3634	0.059	ng	# 75
30) Benzo(a)anthracene	21.45	228	1887	0.033	ng	# 87
31) Chrysene	21.45	228	1907	0.030	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.30	149	49497	0.644	ng	99

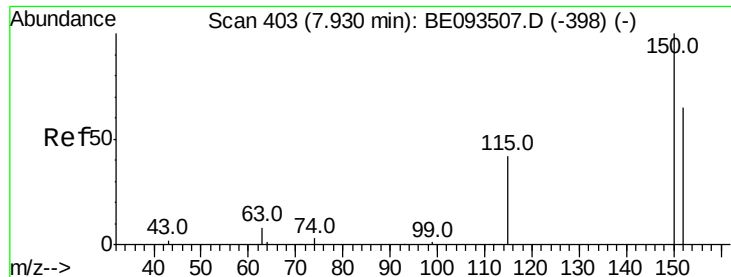
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.01 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

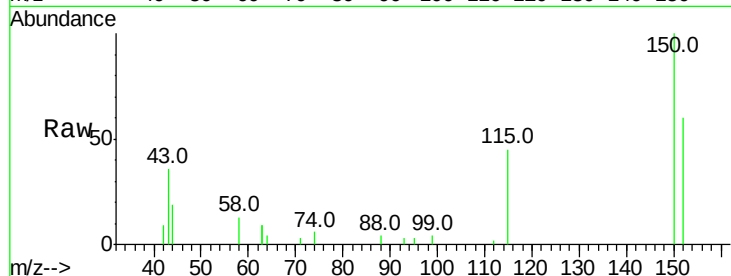
Tot Ion:152 Resp: 2461

Ion Ratio Lower Upper

152 100

150 165.5 125.1 187.7

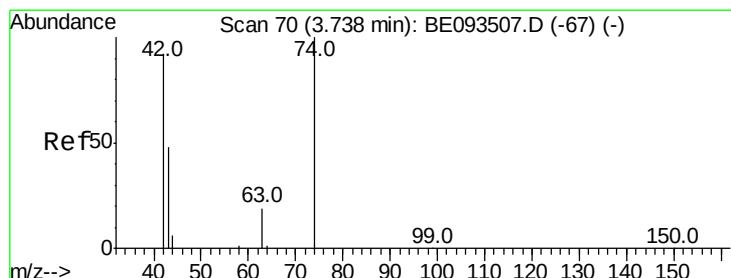
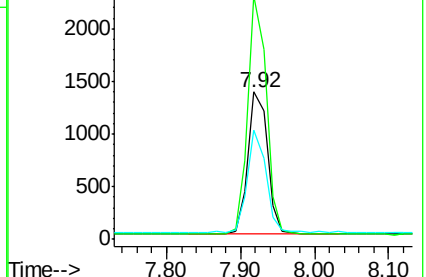
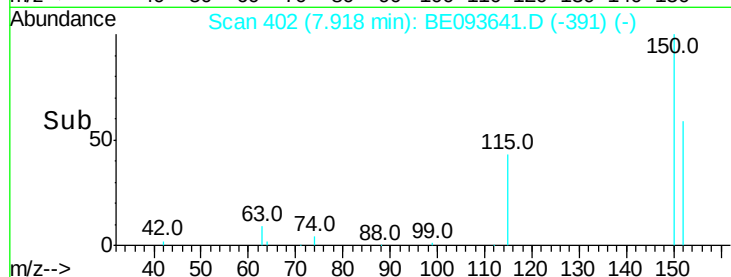
115 74.6 55.7 83.5



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



#3

n-Nitrosodimethylamine

Concen: 0.507 ng

RT: 3.66 min Scan# 64

Delta R.T. -0.07 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

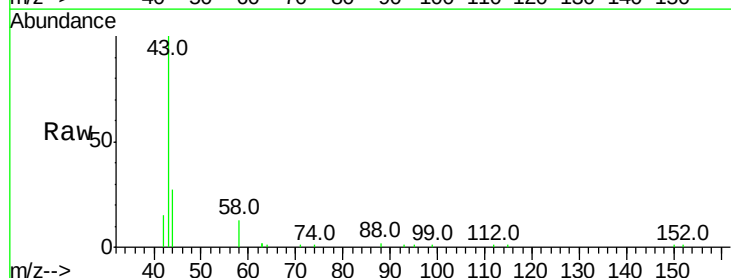
Tgt Ion: 42 Resp: 1894

Ion Ratio Lower Upper

42 100

74 1.1 99.1 148.7#

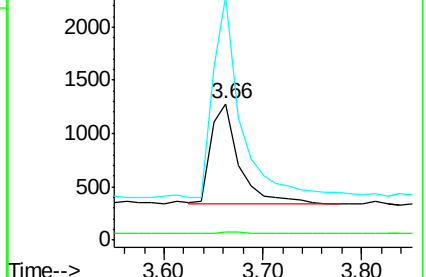
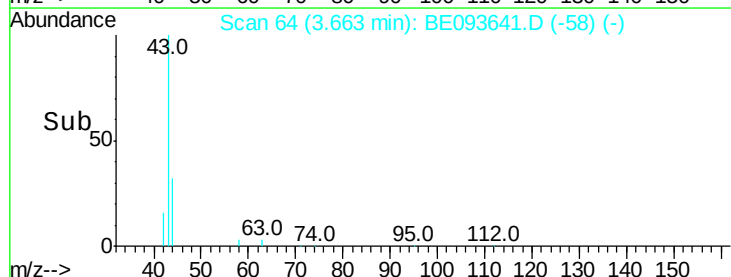
44 200.7 7.4 11.2#

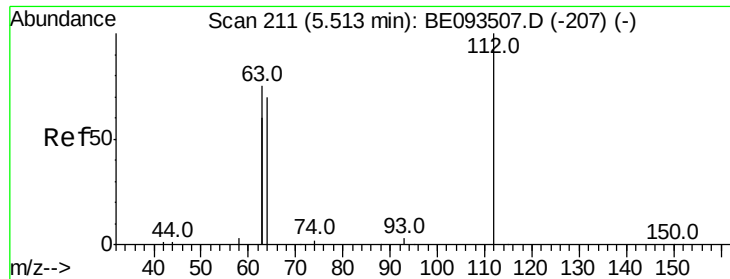


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.318 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

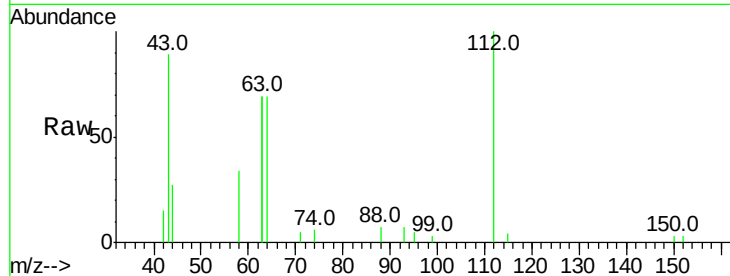
Tot Ion:112 Resp: 2334

Ion Ratio Lower Upper

112 100

64 71.5 56.4 84.6

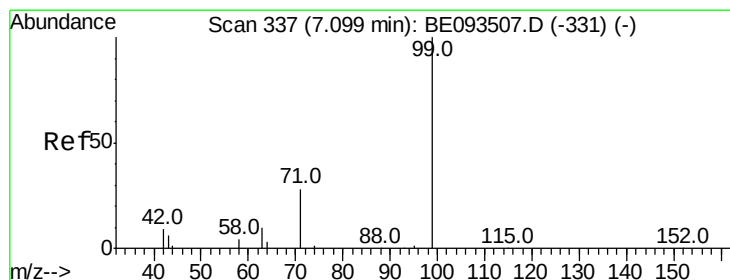
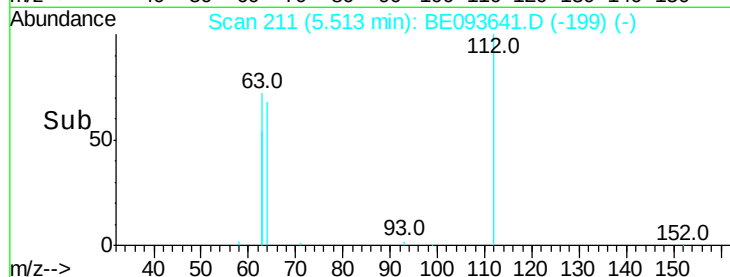
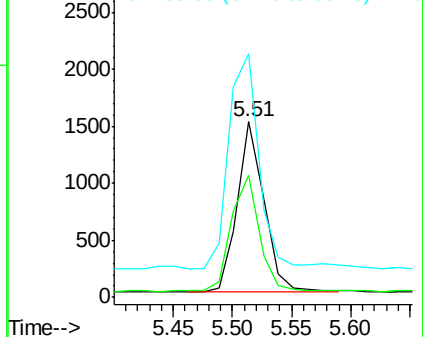
63 143.4 29.3 43.9#



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: 0.335 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

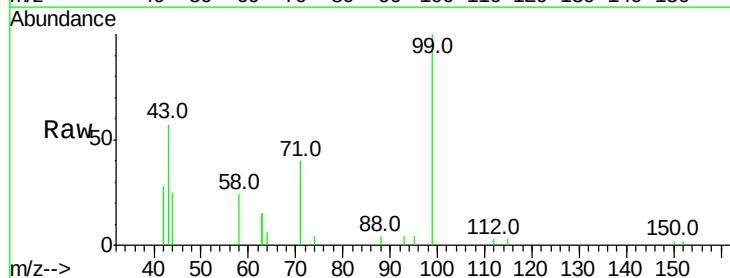
Tgt Ion: 99 Resp: 3698

Ion Ratio Lower Upper

99 100

42 29.4 0.0 0.0#

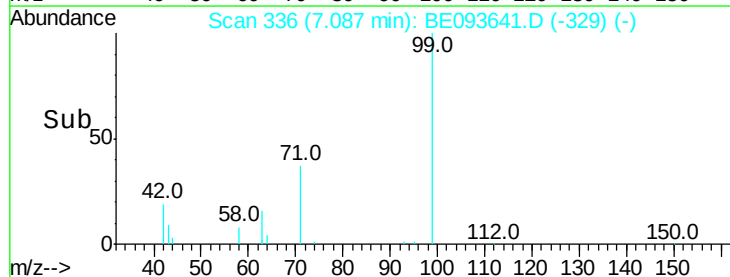
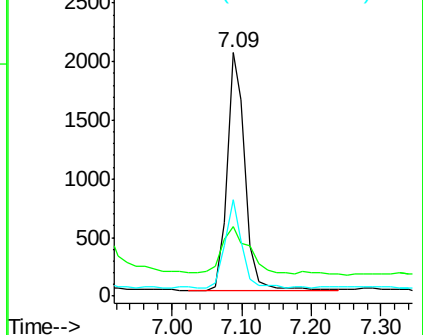
71 34.6 0.0 0.0#

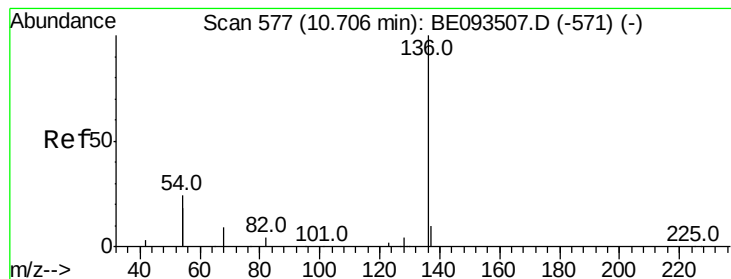


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

Tot Ion:136 Resp: 12121

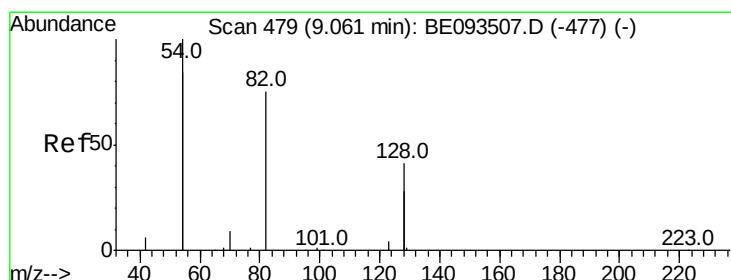
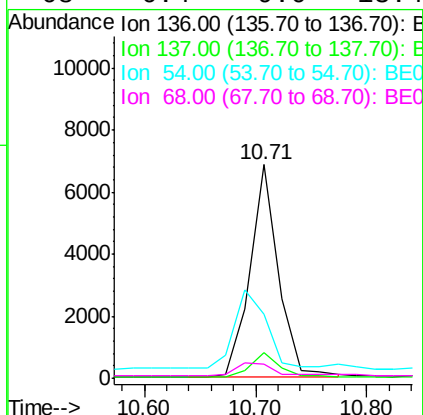
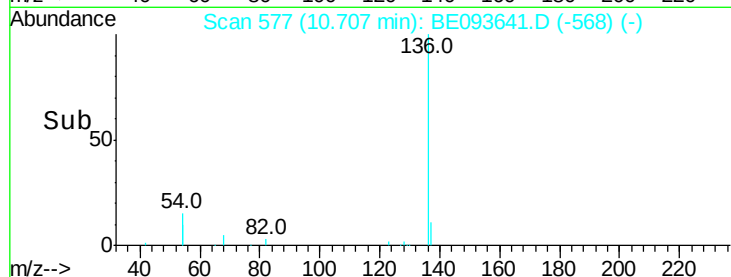
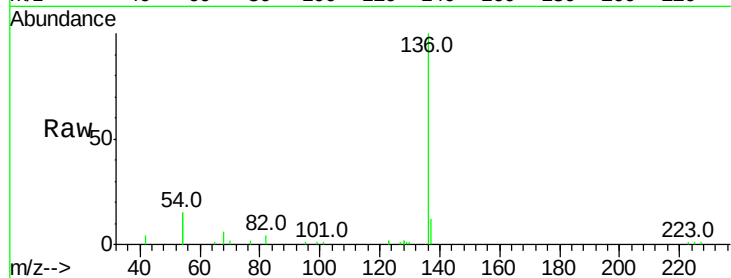
Ion Ratio Lower Upper

136 100

137 11.8 9.8 14.8

54 29.7 10.3 15.5#

68 6.4 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.300 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

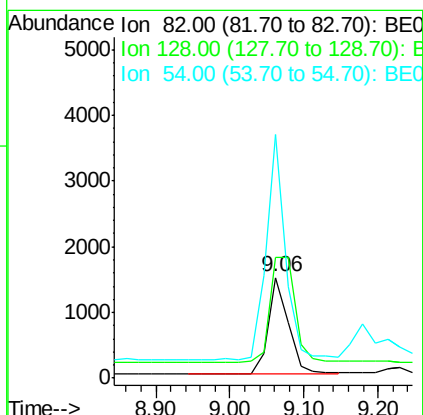
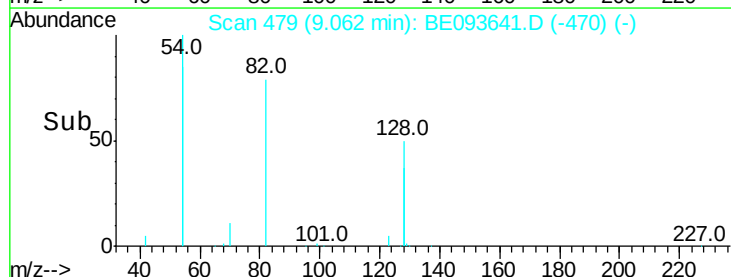
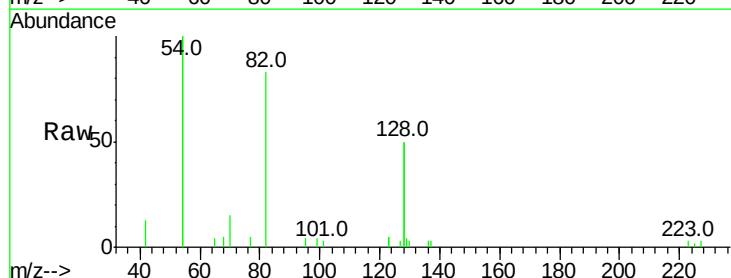
Tgt Ion: 82 Resp: 2778

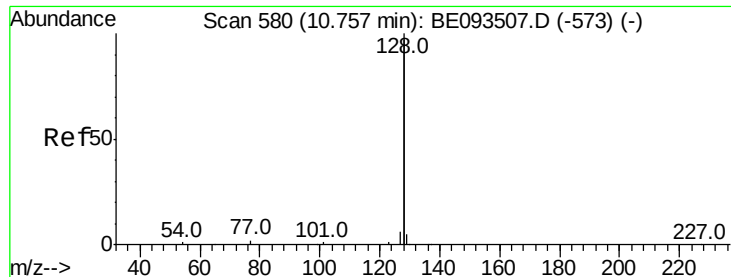
Ion Ratio Lower Upper

82 100

128 120.1 17.0 25.4#

54 242.2 53.8 80.6#





#9

Naphthalene

Concen: 0.024 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

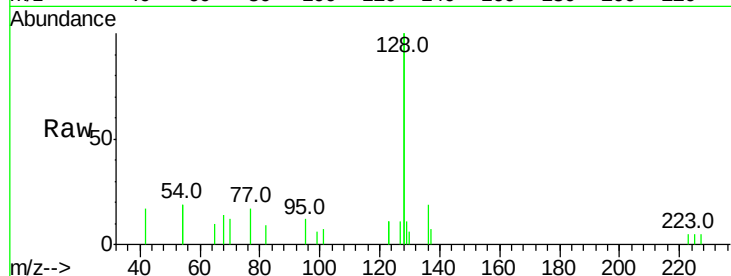
Tot Ion:128 Resp: 3388

Ion Ratio Lower Upper

128 100

129 5.7 2.4 3.6#

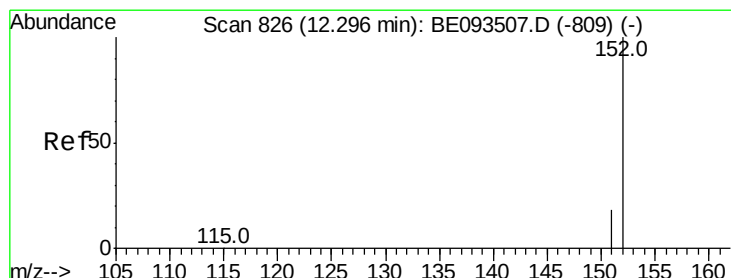
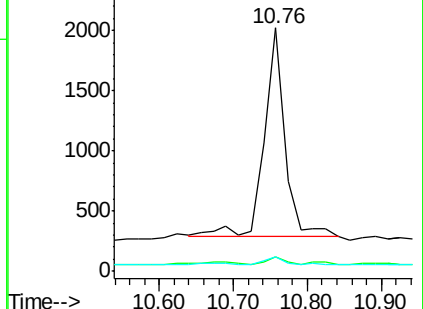
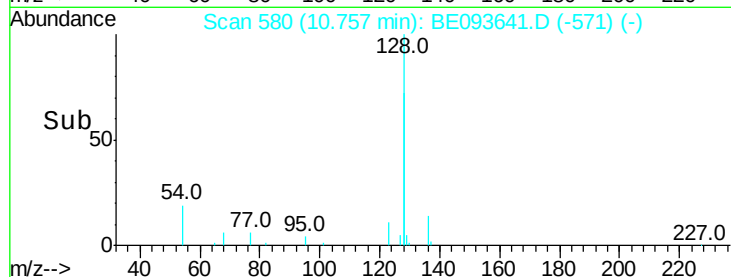
127 5.7 2.4 3.6#



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



#11

2-Methylnaphthalene-d10

Concen: 0.278 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093641.D

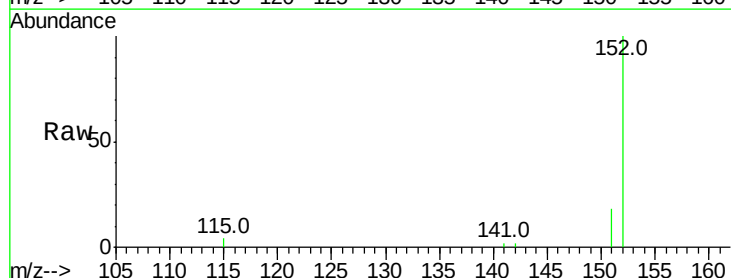
Acq: 3 Aug 2017 00:15

Tgt Ion:152 Resp: 5324

Ion Ratio Lower Upper

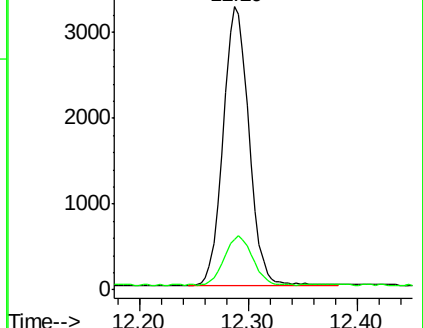
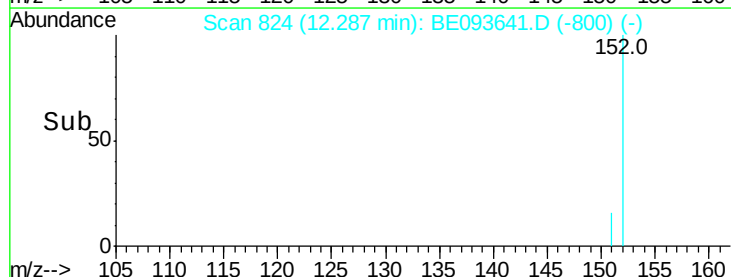
152 100

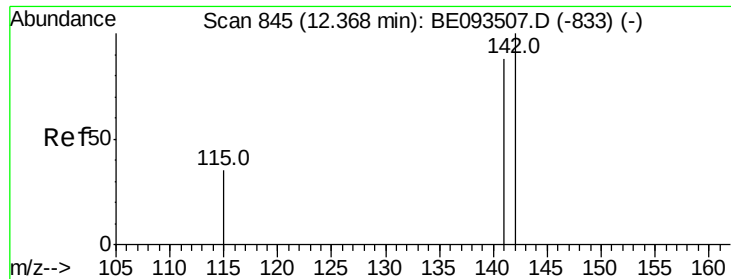
151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

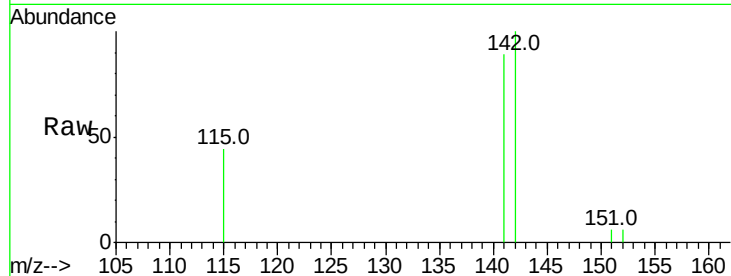




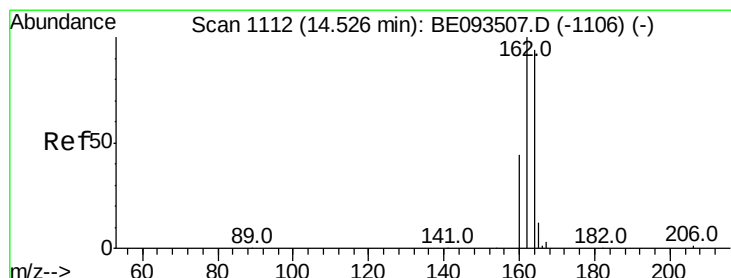
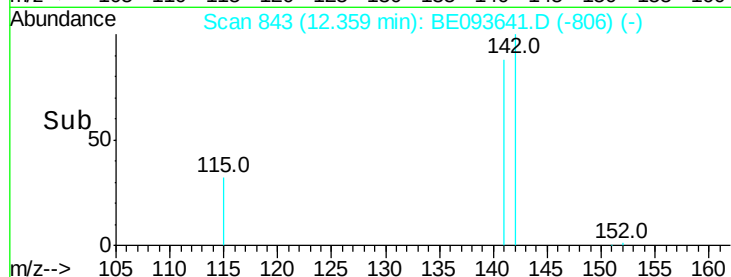
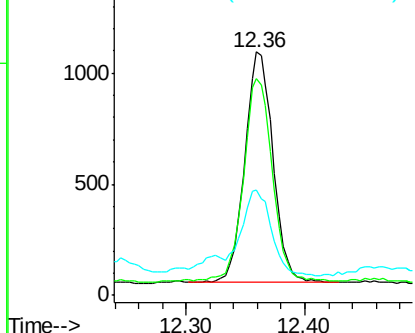
#12
2-Methylnaphthalene
Concen: 0.075 ng
RT: 12.36 min Scan# 843
Delta R.T. -0.01 min
Lab File: BE093641.D
Acq: 3 Aug 2017 00:15

Instrument :
BNA_E
ClientSampled :
CSSB-28-2

Tot Ion:142 Resp: 1733
Ion Ratio Lower Upper
142 100
141 89.2 72.6 108.8
115 43.5 32.2 48.2

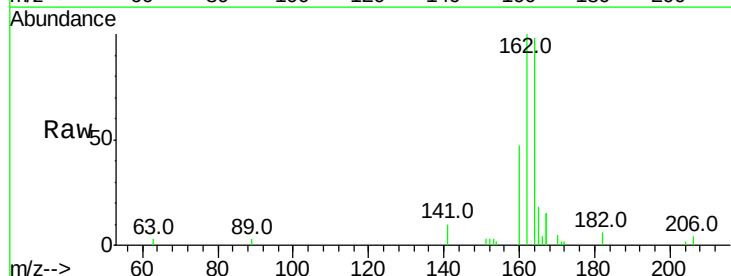


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

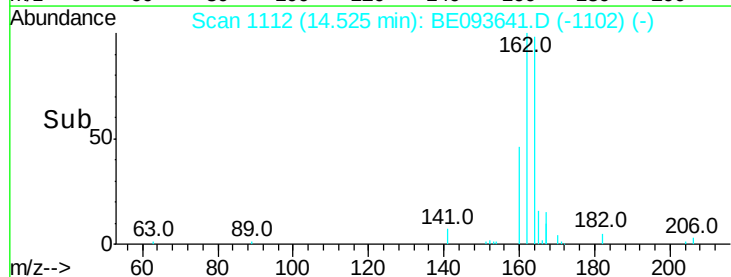
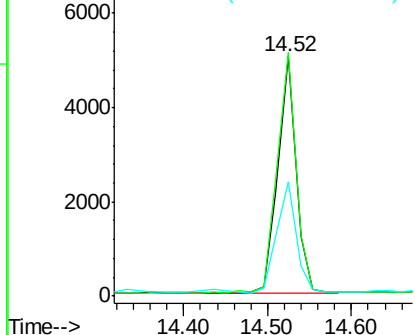


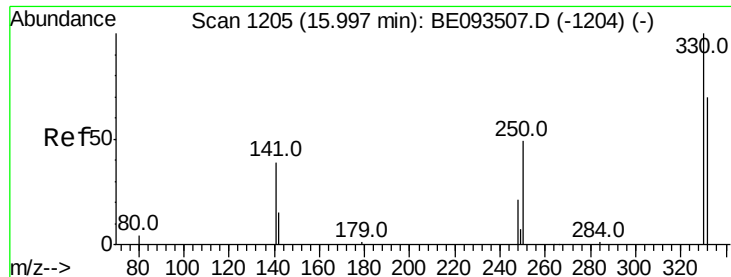
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093641.D
Acq: 3 Aug 2017 00:15

Tgt Ion:164 Resp: 7642
Ion Ratio Lower Upper
164 100
162 101.7 84.6 127.0
160 47.8 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: 0.324 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

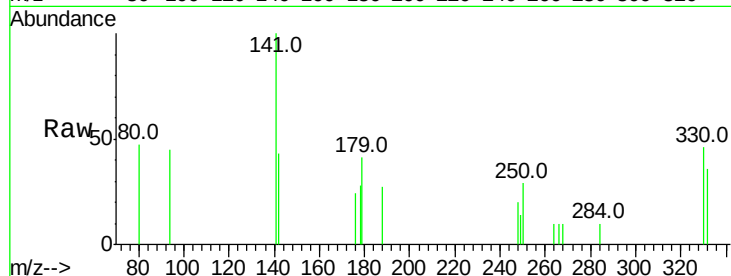
Tot Ion:330 Resp: 497

Ion Ratio Lower Upper

330 100

332 89.3 77.7 116.5

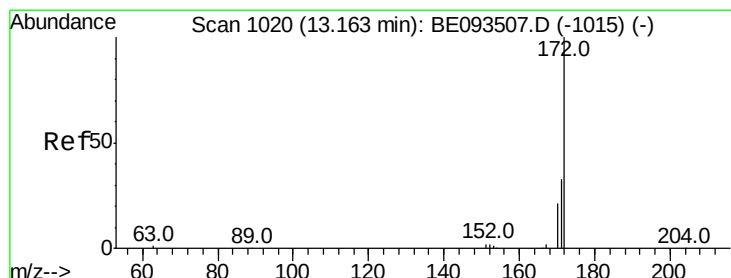
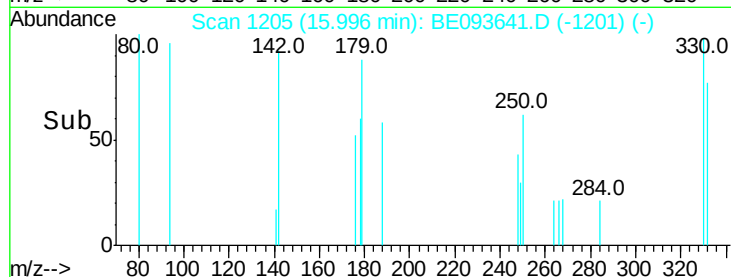
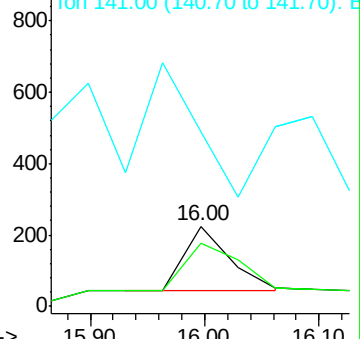
141 0.0 56.2 84.4#



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: 0.252 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.02 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

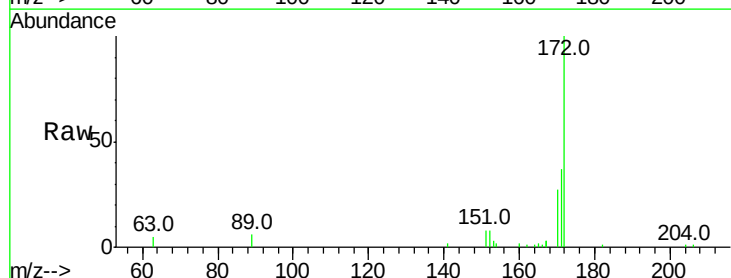
Tgt Ion:172 Resp: 7715

Ion Ratio Lower Upper

172 100

171 36.7 29.8 44.6

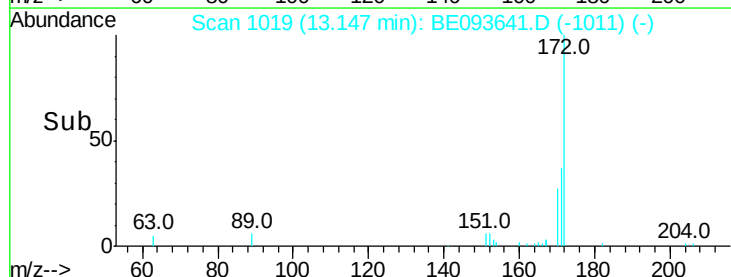
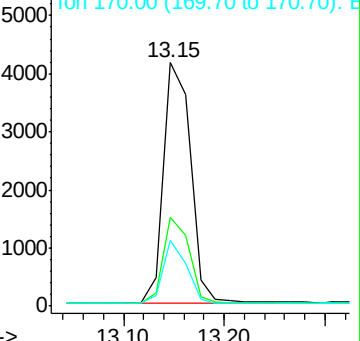
170 27.0 20.7 31.1

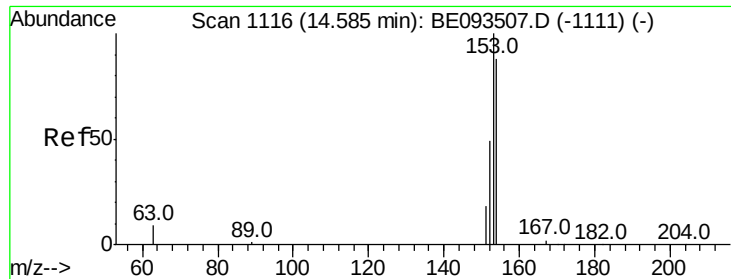


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

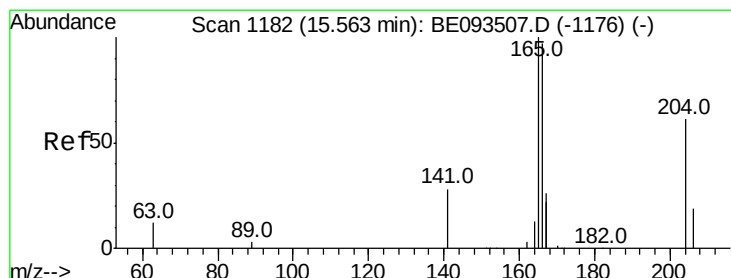
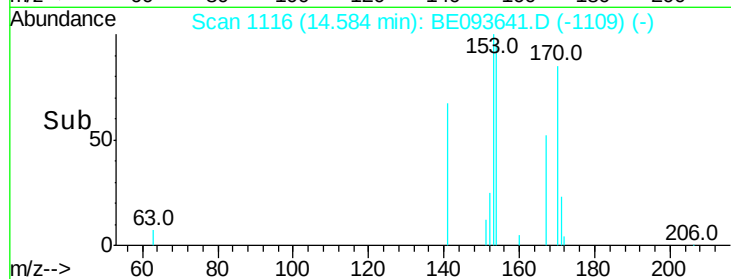
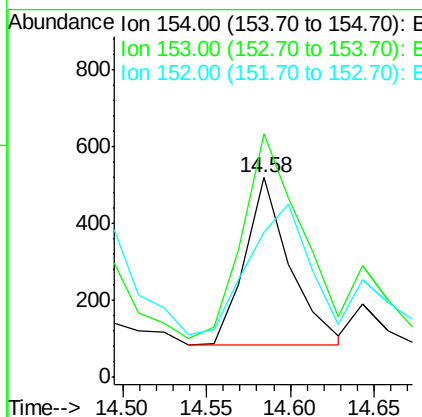
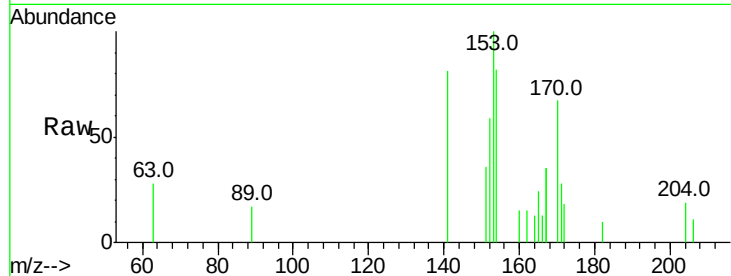




#17
Acenaphthene
Concen: 0.032 ng
RT: 14.58 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093641.D
Acq: 3 Aug 2017 00:15

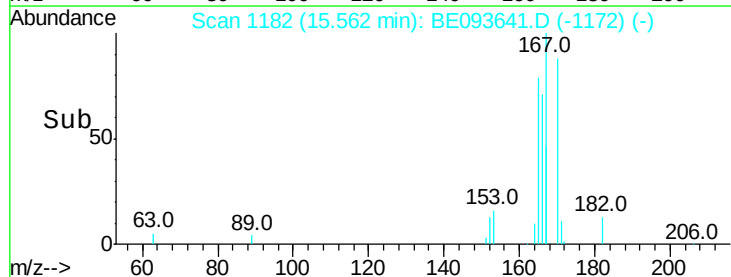
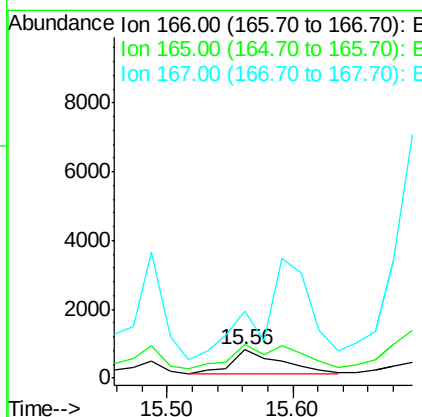
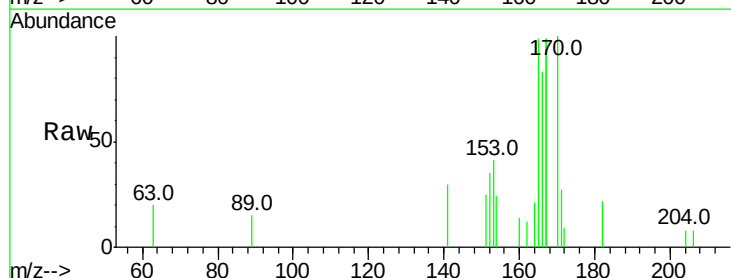
Instrument :
BNA_E
ClientSampleId :
CSSB-28-2

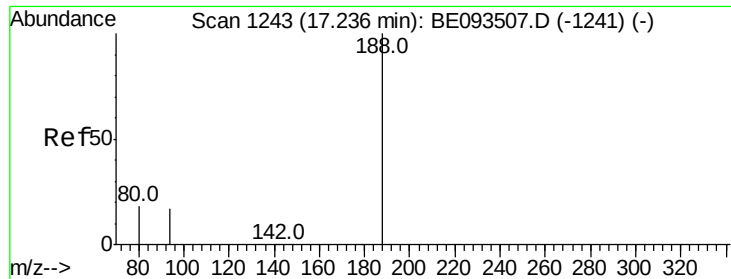
Tot Ion:154 Resp: 821
Ion Ratio Lower Upper
154 100
153 189.3 91.2 136.8#
152 102.7 44.8 67.2#



#18
Fluorene
Concen: 0.052 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE093641.D
Acq: 3 Aug 2017 00:15

Tgt Ion:166 Resp: 1774
Ion Ratio Lower Upper
166 100
165 141.9 78.6 117.8#
167 0.0 11.1 16.7#

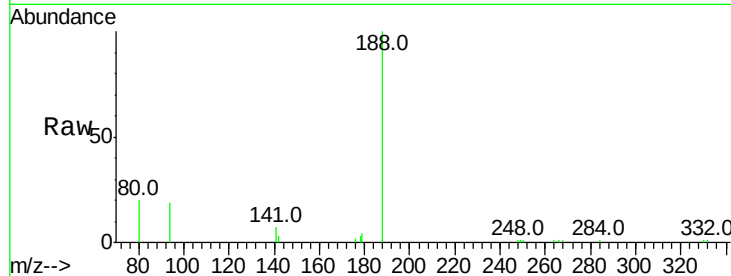




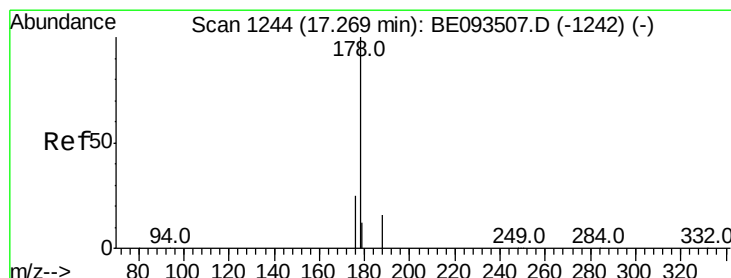
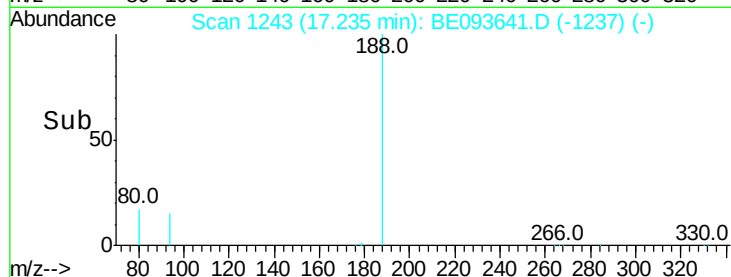
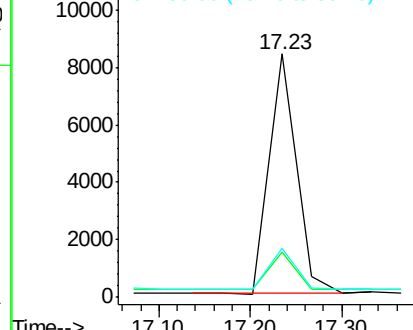
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093641.D
Acq: 3 Aug 2017 00:15

Instrument :
BNA_E
ClientSampled :
CSSB-28-2

Tot Ion:188 Resp: 17593
Ion Ratio Lower Upper
188 100
94 18.8 11.3 16.9#
80 20.1 11.7 17.5#

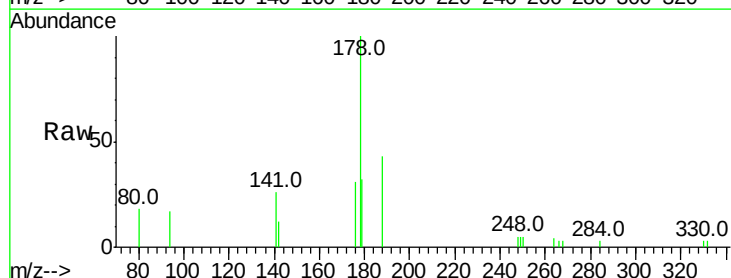


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

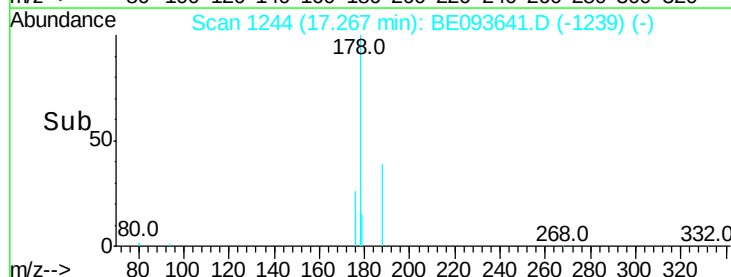
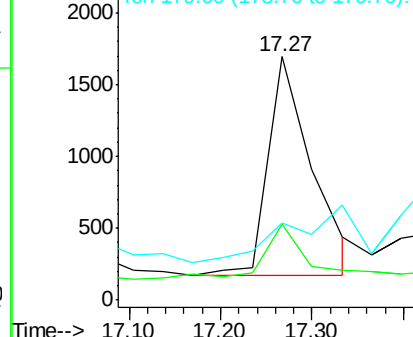


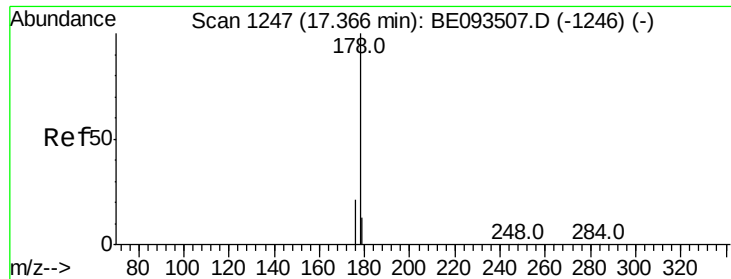
#23
Phenanthrene
Concen: 0.132 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093641.D
Acq: 3 Aug 2017 00:15

Tgt Ion:178 Resp: 5093
Ion Ratio Lower Upper
178 100
176 20.1 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: 0.090 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

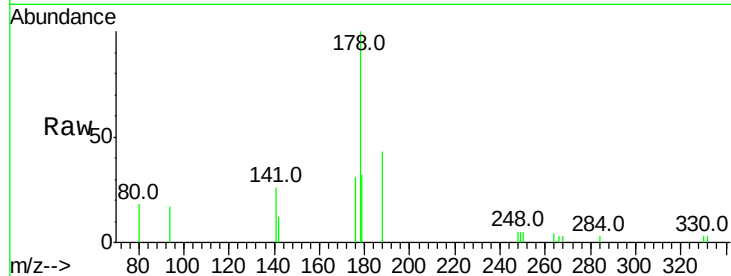
Tot Ion:178 Resp: 4776

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

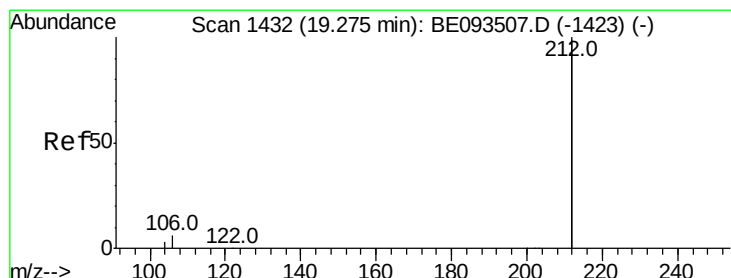
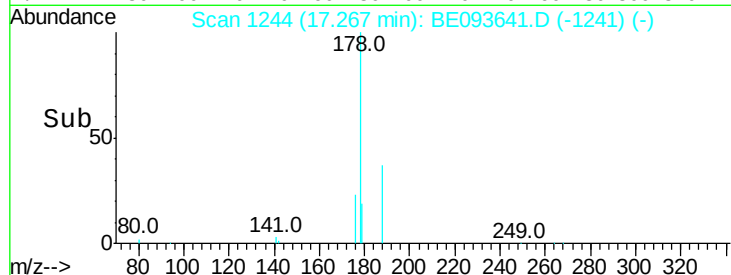
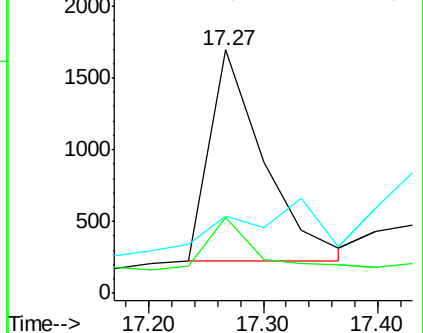
179 0.0 12.0 18.0#



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: 0.281 ng

RT: 19.28 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

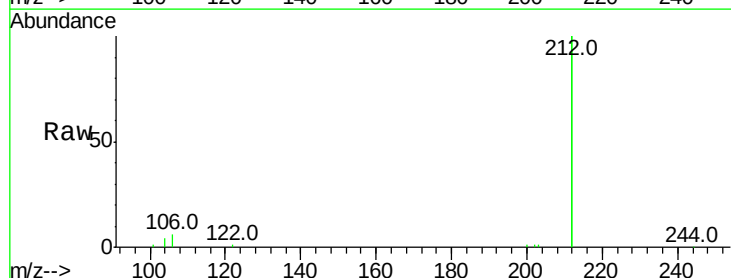
Tgt Ion:212 Resp: 56144

Ion Ratio Lower Upper

212 100

106 3.7 2.4 3.6#

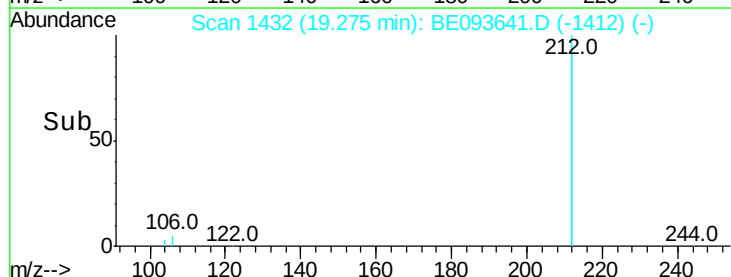
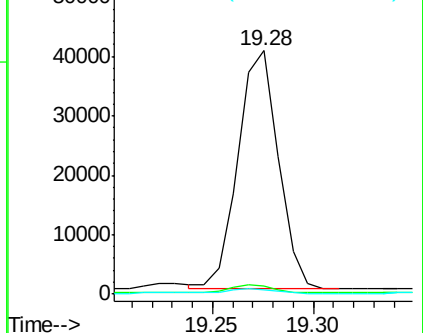
104 2.4 1.6 2.4#

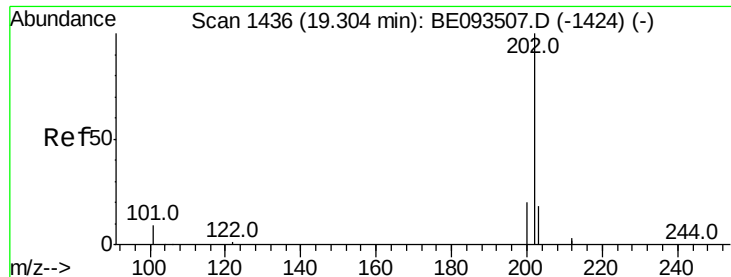


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

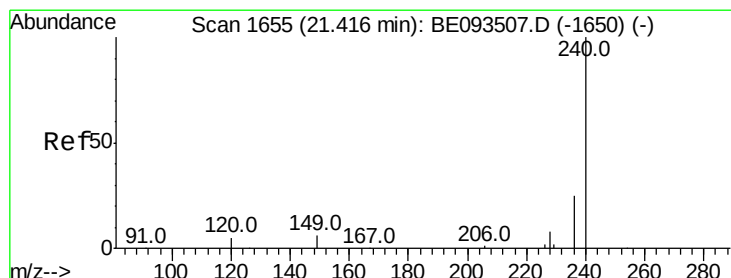
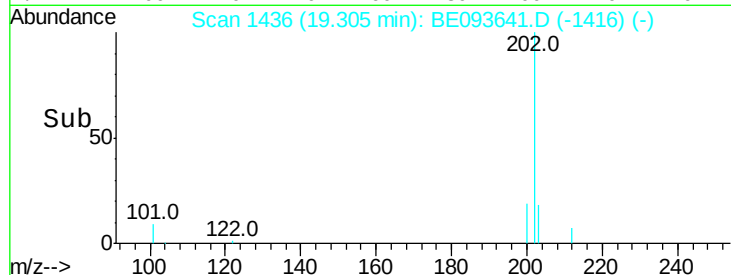
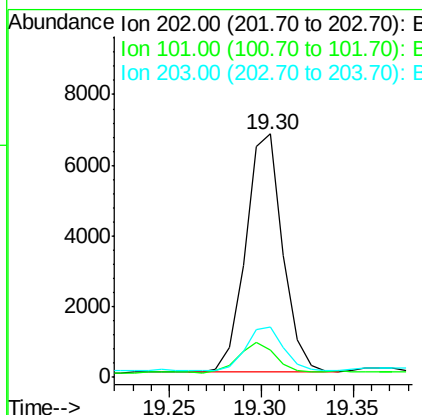
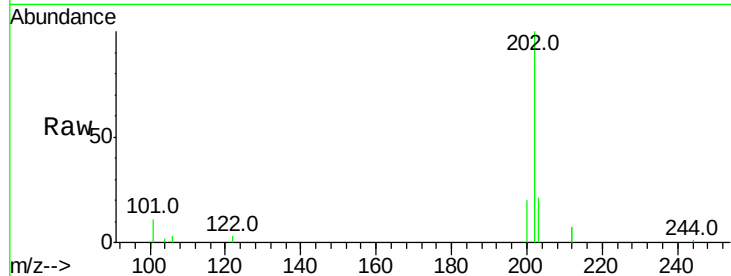




#26
 Fluoranthene
 Concen: 0.154 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE093641.D
 Acq: 3 Aug 2017 00:15

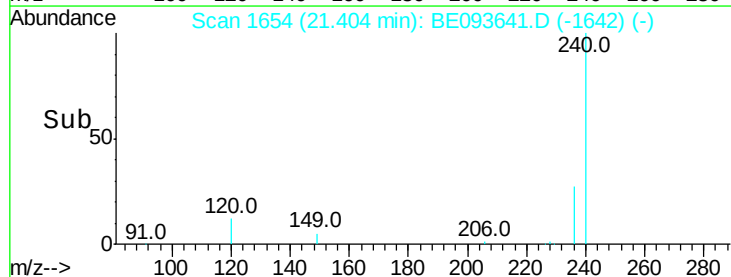
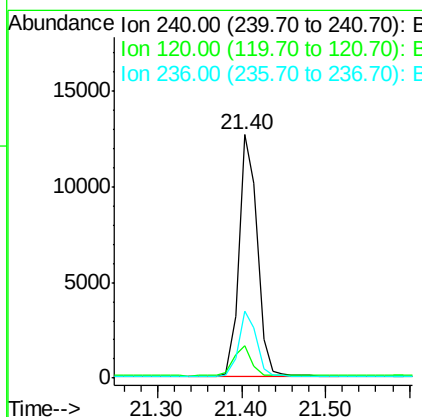
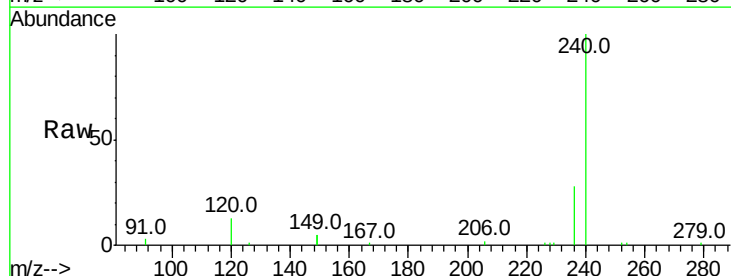
Instrument :
 BNA_E
 ClientSampleId :
 CSSB-28-2

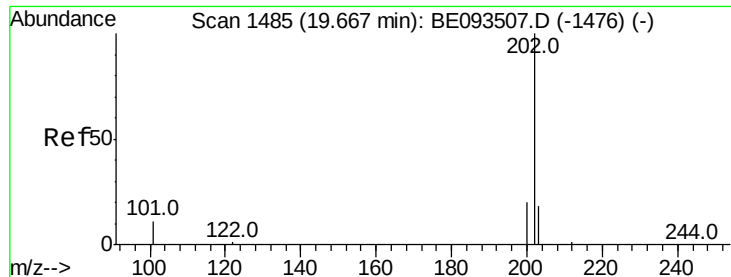
Tot Ion:202 Resp: 9516
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.6 14.4
 203 18.1 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093641.D
 Acq: 3 Aug 2017 00:15

Tgt Ion:240 Resp: 19178
 Ion Ratio Lower Upper
 240 100
 120 13.2 4.6 7.0#
 236 27.8 20.8 31.2





#28

Pvrene

Concen: 0.059 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

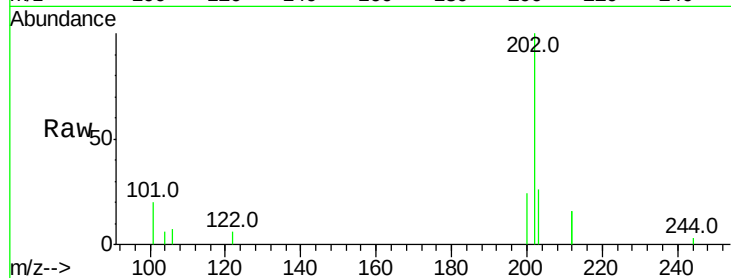
Tot Ion:202 Resp: 3634

Ion Ratio Lower Upper

202 100

200 19.4 0.0 0.0#

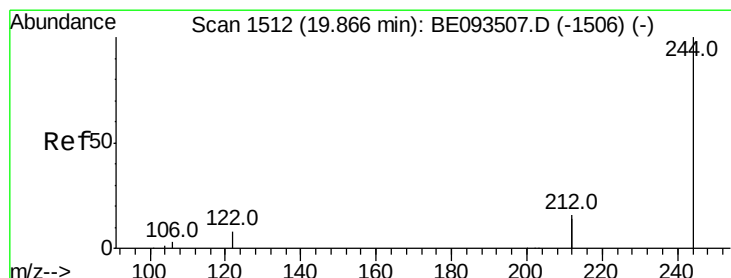
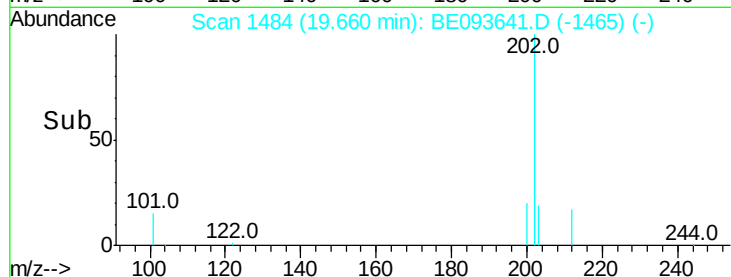
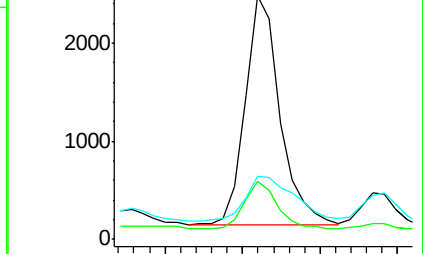
203 27.8 13.7 20.5#



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: 0.254 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

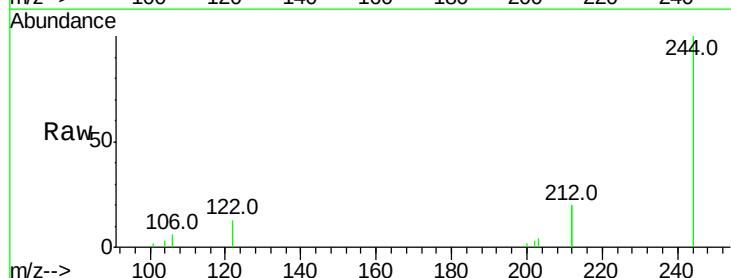
Tgt Ion:244 Resp: 8754

Ion Ratio Lower Upper

244 100

212 39.2 10.6 16.0#

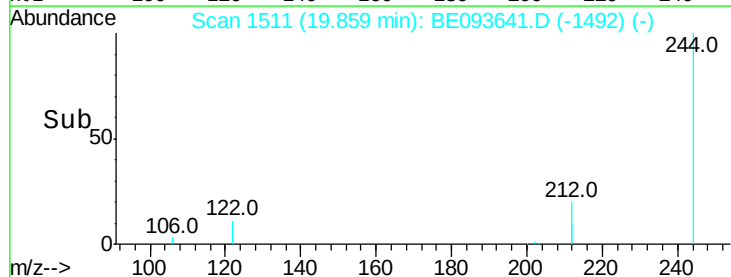
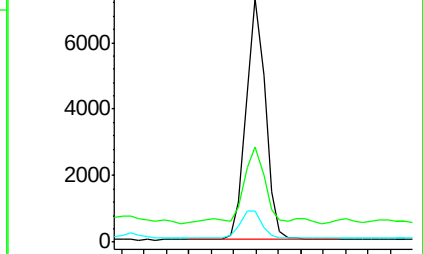
122 12.7 15.4 23.0#

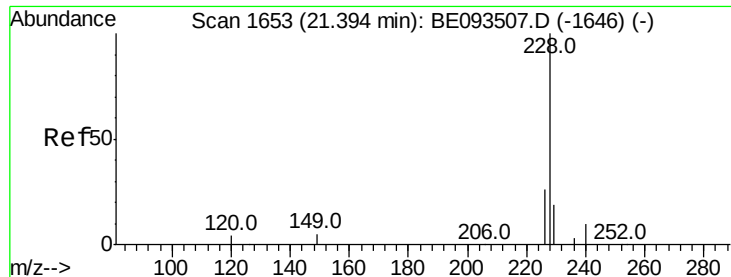


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.033 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.05 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

Instrument :

BNA_E

ClientSampleId :

CSSB-28-2

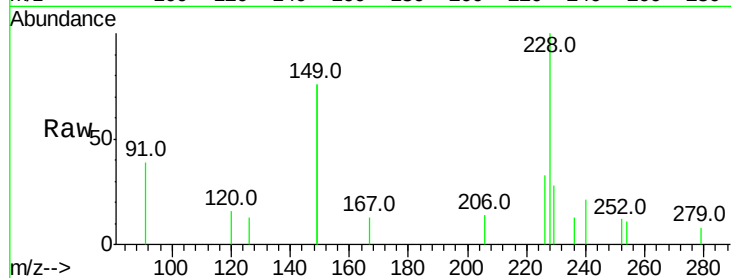
Tot Ion:228 Resp: 1887

Ion Ratio Lower Upper

228 100

226 33.4 19.7 29.5#

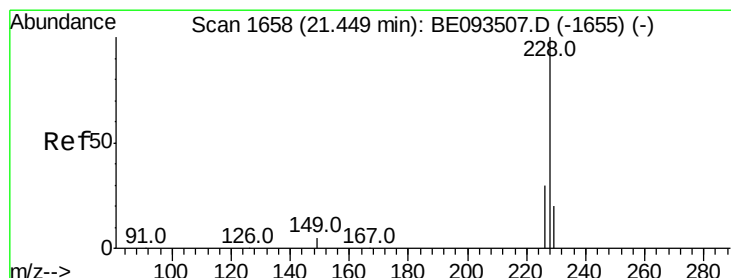
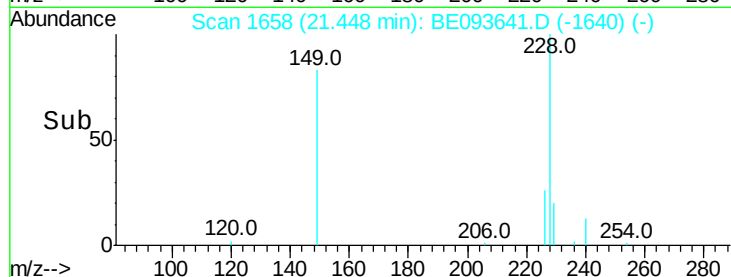
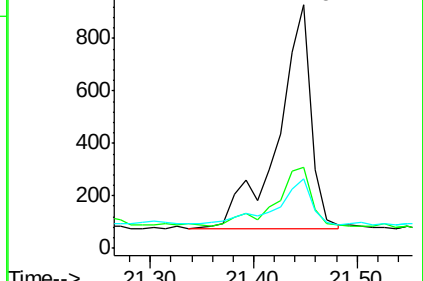
229 28.3 19.2 28.8



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: 0.030 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093641.D

Acq: 3 Aug 2017 00:15

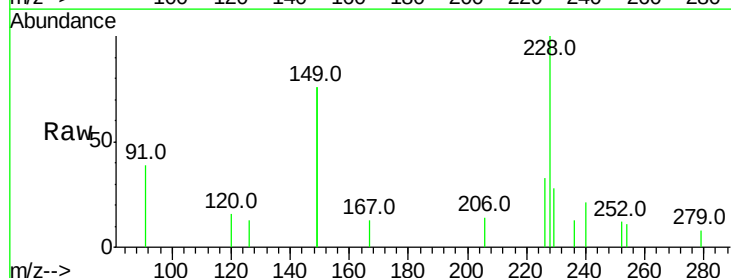
Tgt Ion:228 Resp: 1907

Ion Ratio Lower Upper

228 100

226 33.4 21.5 32.3#

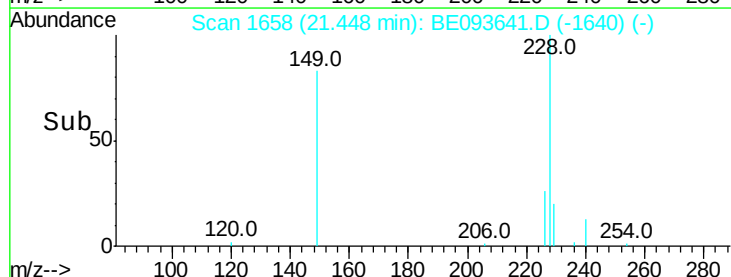
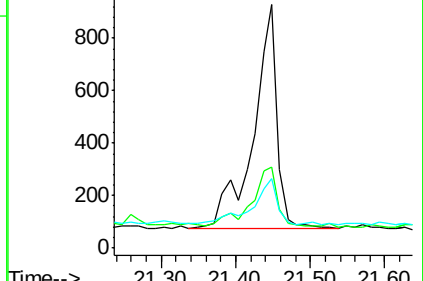
229 28.3 18.6 28.0#

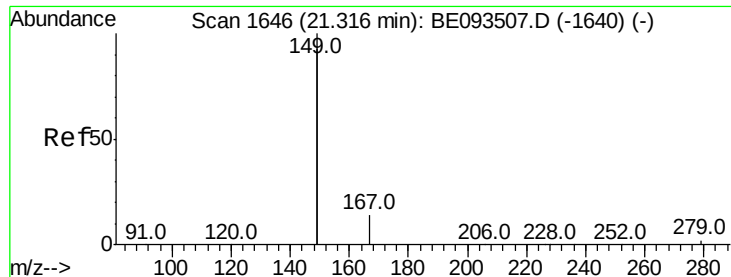


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

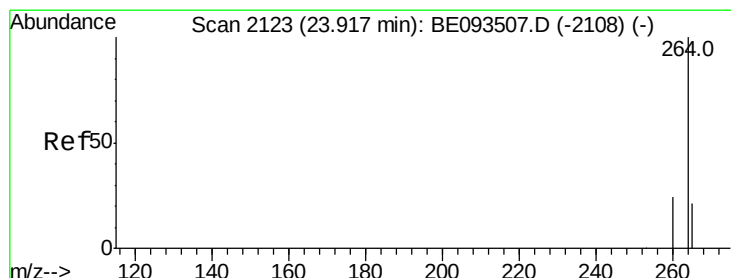
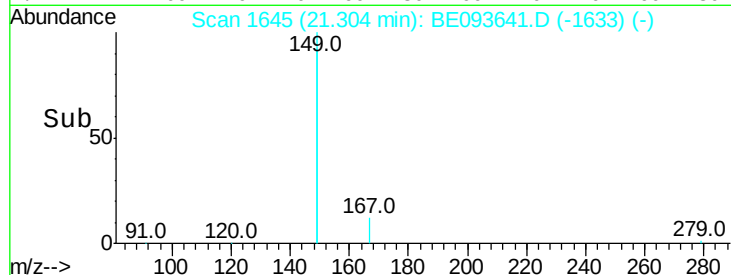
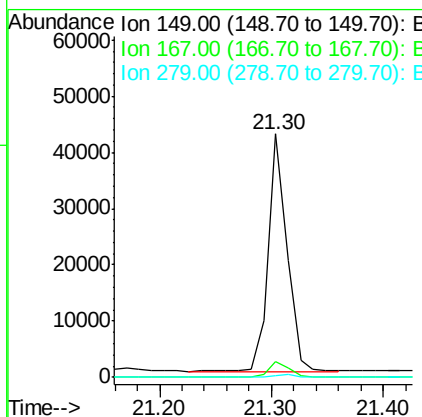
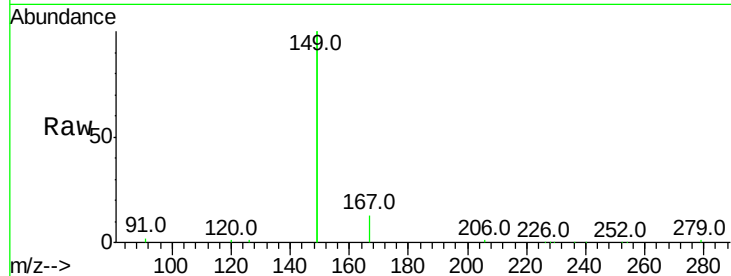




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.644 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093641.D
 Acq: 3 Aug 2017 00:15

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-28-2

Tot Ion:149 Resp: 49497
 Ion Ratio Lower Upper
 149 100
 167 6.5 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: BE093641.D
 Acq: 3 Aug 2017 00:15

Tgt Ion:264 Resp: 16686
 Ion Ratio Lower Upper
 264 100
 260 24.8 21.0 31.4
 265 26.5 24.6 36.8

