

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080217\
 Data File : BE093645.D
 Acq On : 3 Aug 2017 2:44
 Operator : SJ/JU
 Sample : I4425-11MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-30-2MSD

Quant Time: Aug 03 04:23:27 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	2608	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	12760	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7297	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	20008	0.40	ng	0.00
27) Chrysene-d12	21.40	240	18908	0.40	ng	-0.01
34) Perylene-d12	23.91	264	16639	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	2725	0.35	ng	0.00
5) Phenol-d6	7.09	99	4045	0.35	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3033	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5495	0.27	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	628	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8110	0.28	ng	-0.02
25) Fluoranthene-d10	19.27	212	59484	0.26	ng	0.00
29) Terphenyl-d14	19.86	244	10241	0.30	ng	0.00

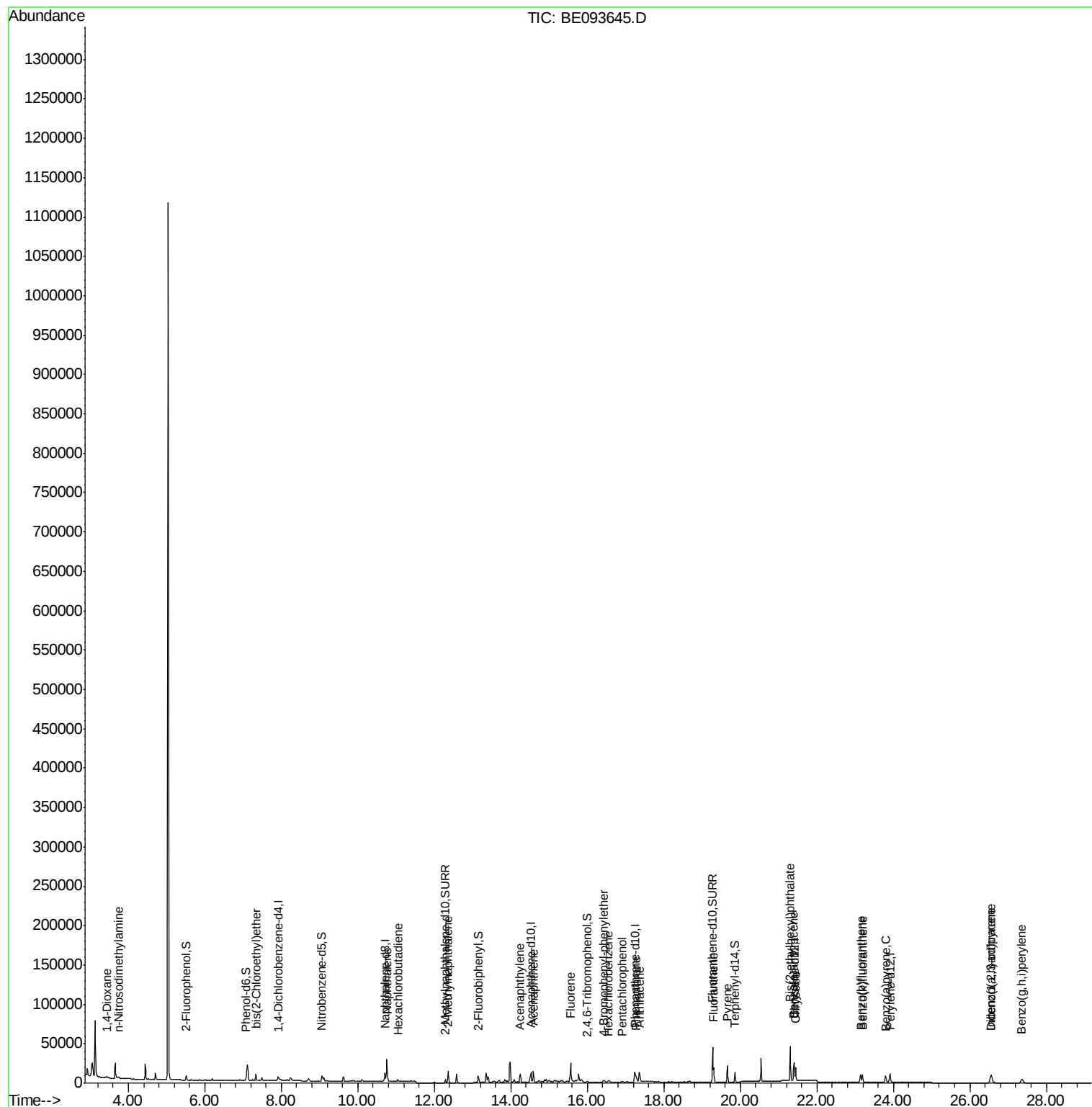
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	1151	0.272	ng	# 57
3) n-Nitrosodimethylamine	3.74	42	1414	0.357	ng	# 98
6) bis(2-Chloroethyl)ether	7.34	93	2962	0.301	ng	# 96
9) Naphthalene	10.76	128	44610	0.302	ng	100
10) Hexachlorobutadiene	11.04	225	1342	0.245	ng	99
12) 2-Methylnaphthalene	12.36	142	10165	0.416	ng	97
16) Acenaphthylene	14.24	152	10653	0.306	ng	# 85
17) Acenaphthene	14.58	154	7128	0.290	ng	98
18) Fluorene	15.56	166	9996	0.304	ng	# 81
20) 4-Bromophenyl-phenylether	16.42	248	1569	0.216	ng	# 1
21) Hexachlorobenzene	16.55	284	1436	0.211	ng	# 100
22) Pentachlorophenol	16.91	266	1217	0.462	ng	93
23) Phenanthrene	17.27	178	14831	0.337	ng	# 79
24) Anthracene	17.37	178	18092	0.301	ng	# 86
26) Fluoranthene	19.30	202	17914	0.256	ng	99
28) Pyrene	19.66	202	18681	0.306	ng	# 97
30) Benzo(a)anthracene	21.39	228	16036	0.288	ng	96
31) Chrysene	21.45	228	15493	0.250	ng	96
32) Bis(2-ethylhexyl)phthalate	21.30	149	47157	0.622	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	13653	0.243	ng	94
35) Benzo(b)fluoranthene	23.14	252	14546	0.245	ng	97
36) Benzo(k)fluoranthene	23.19	252	14116	0.233	ng	98
37) Benzo(a)pyrene	23.80	252	13275	0.247	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	11431	0.220	ng	# 93
39) Benzo(g,h,i)perylene	27.36	276	11224	0.213	ng	94

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

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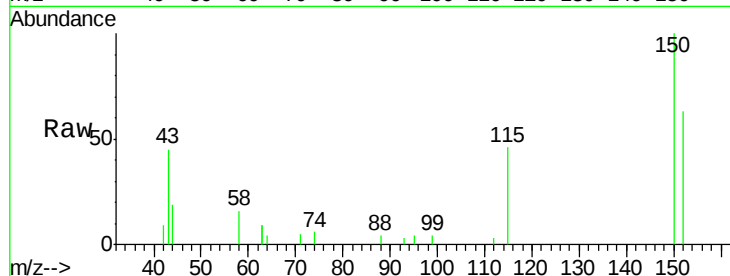


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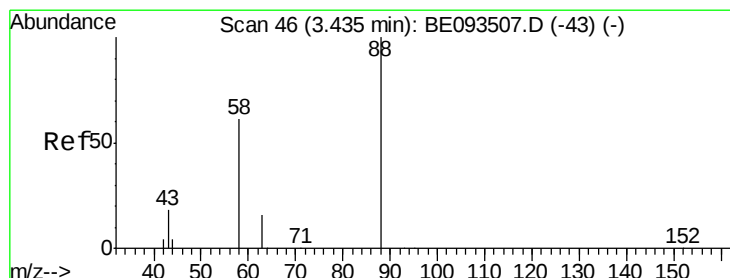
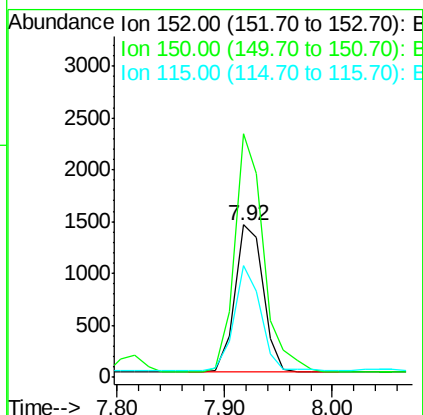
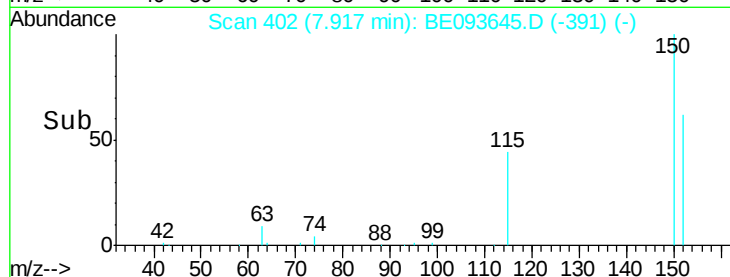
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

Instrument :
BNA_E
ClientSampleId :
CSSB-30-2MSD

Tgt Ion:152 Resp: 2608
Ion Ratio Lower Upper
152 100
150 159.9 125.1 187.7
115 73.5 55.7 83.5



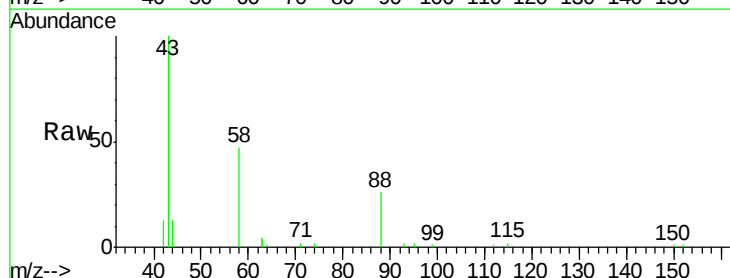
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



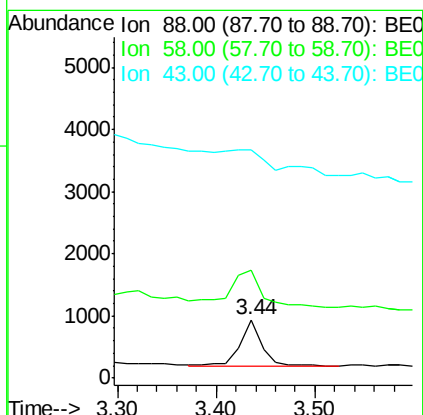
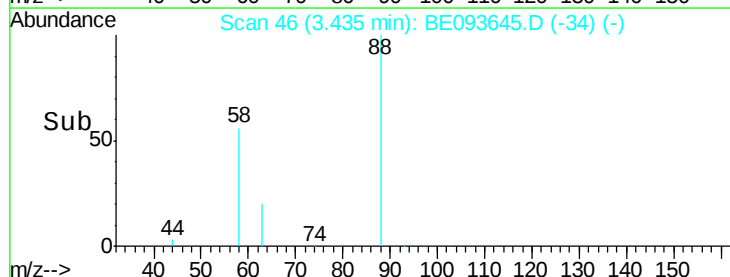
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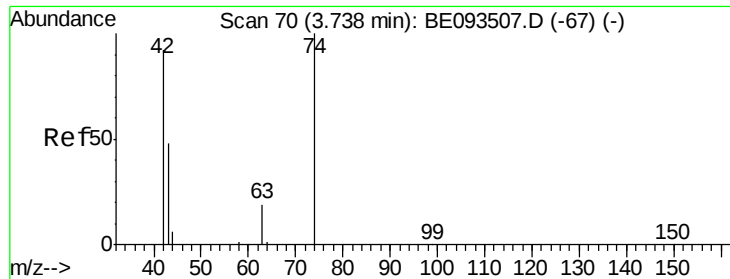
1,4-Dioxane
Concen: 0.272 ng
RT: 3.44 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

Tgt Ion: 88 Resp: 1151
Ion Ratio Lower Upper
88 100
58 111.1 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

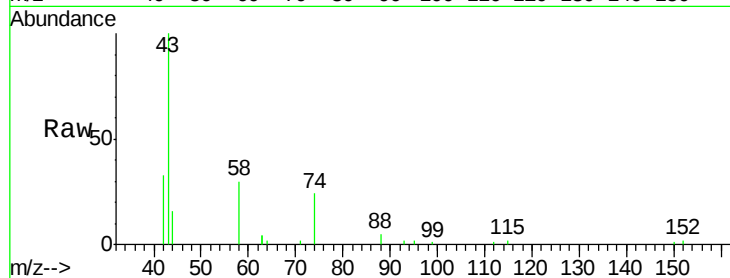




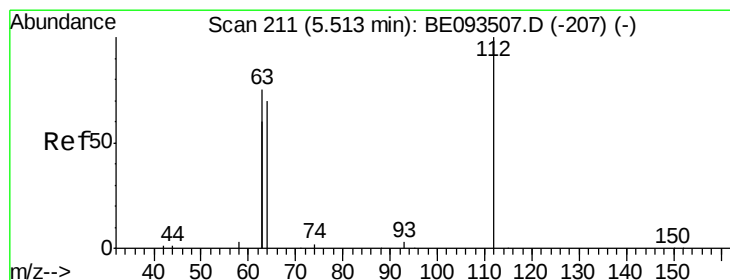
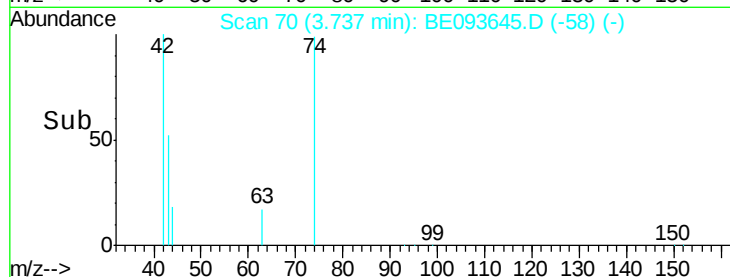
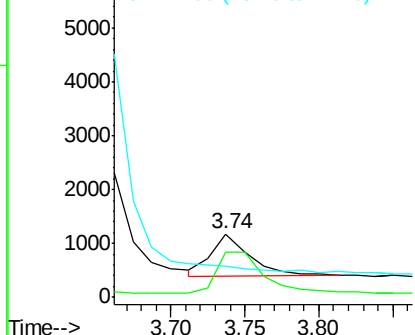
#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.74 min Scan# 70
Delta R.T. -0.00 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

Instrument :
BNA_E
ClientSampleId :
CSSB-30-2MSD

Tgt Ion: 42 Resp: 1414
Ion Ratio Lower Upper
42 100
74 123.8 99.1 148.7
44 0.0 7.4 11.2#

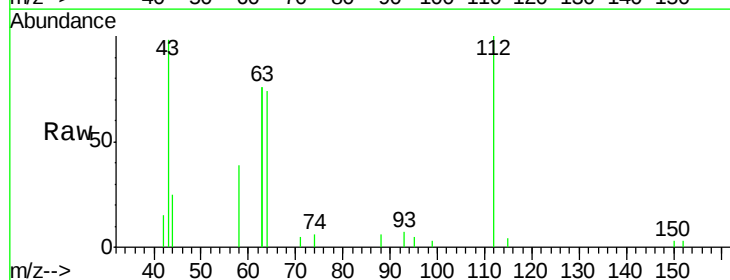


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

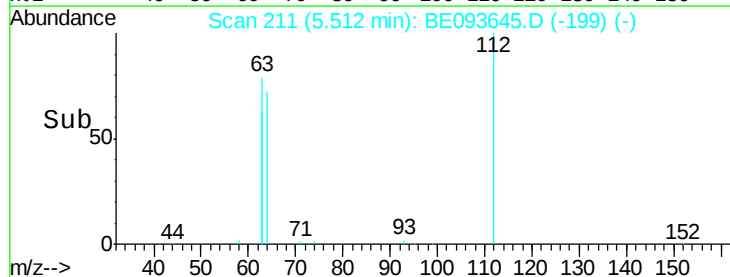
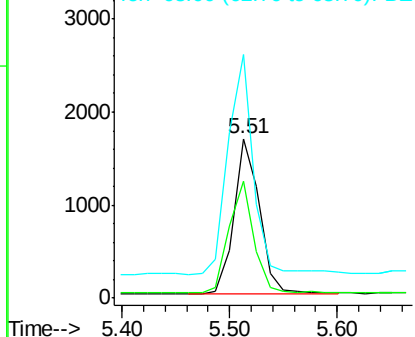


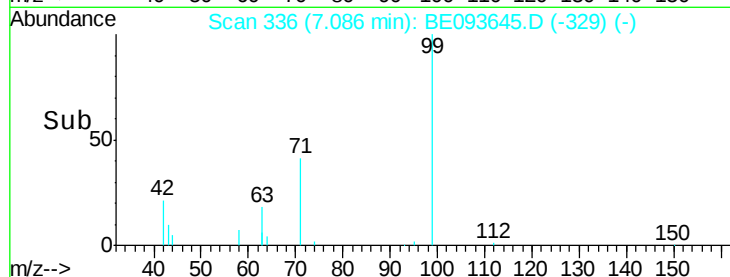
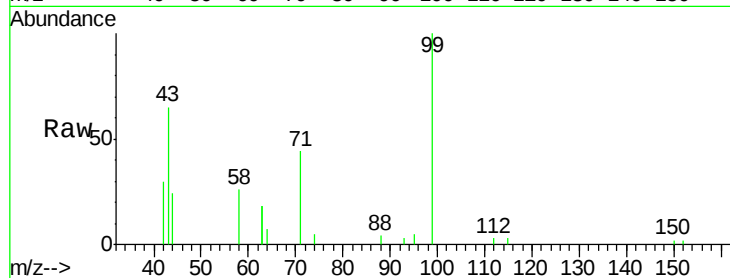
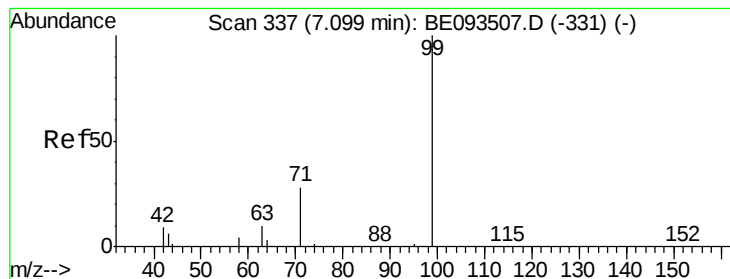
#4
2-Fluorophenol
Concen: 0.351 ng
RT: 5.51 min Scan# 211
Delta R.T. -0.00 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

Tgt Ion: 112 Resp: 2725
Ion Ratio Lower Upper
112 100
64 70.9 56.4 84.6
63 143.1 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: 0.346 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

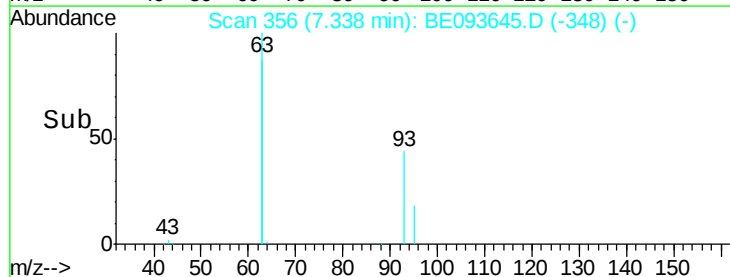
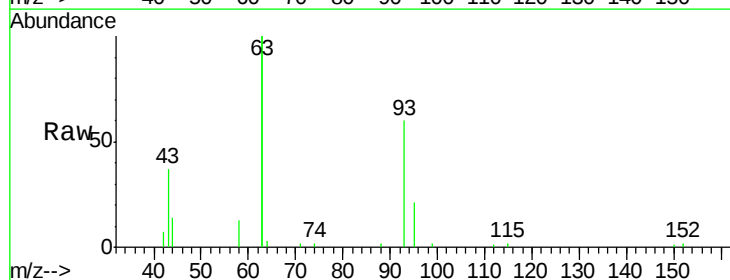
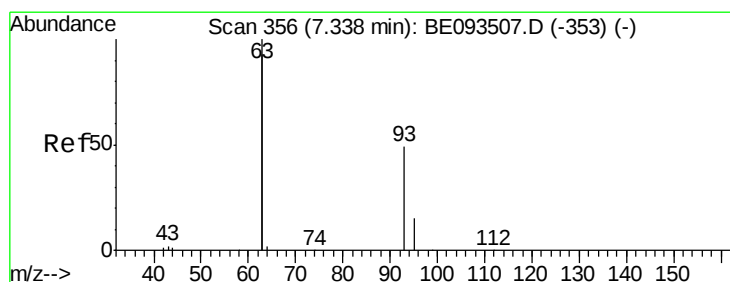
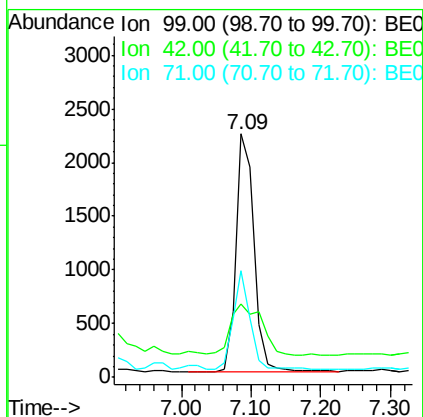
Tgt Ion: 99 Resp: 4045

Ion Ratio Lower Upper

99 100

42 36.4 0.0 0.0#

71 38.9 0.0 0.0#



#6

bis(2-Chloroethyl)ether

Concen: 0.301 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

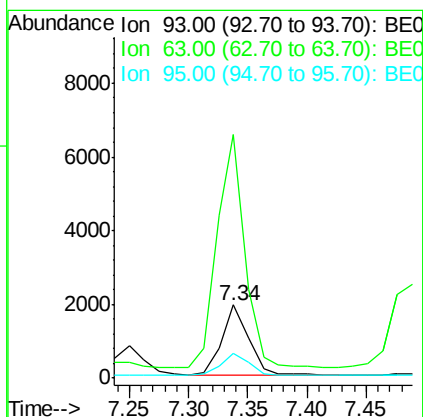
Tgt Ion: 93 Resp: 2962

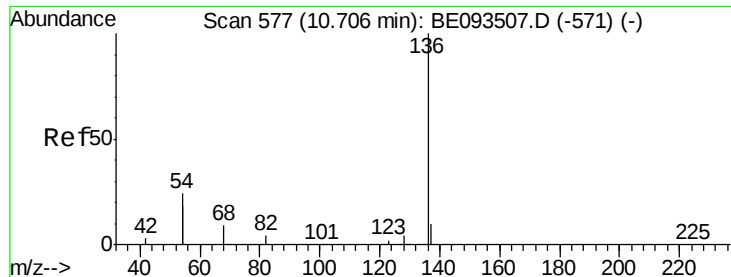
Ion Ratio Lower Upper

93 100

63 344.6 0.0 0.0#

95 34.0 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: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

Tgt Ion: 136 Resp: 12760

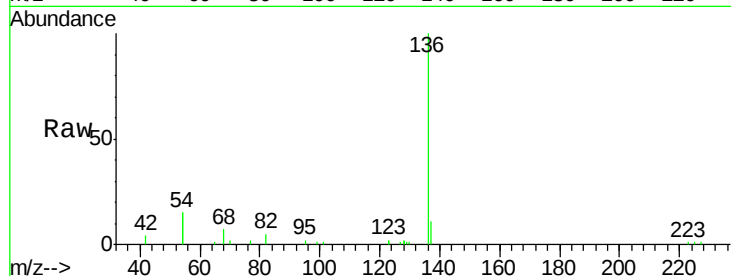
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 29.1 10.3 15.5#

68 6.6 9.0 13.4#

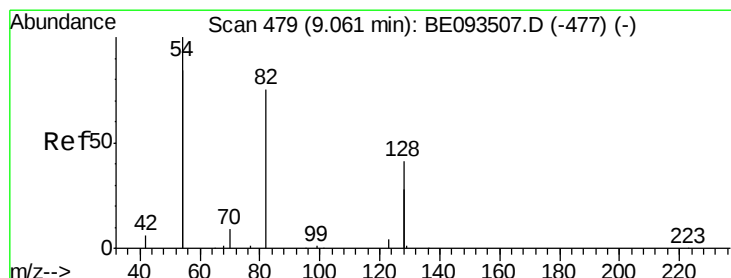
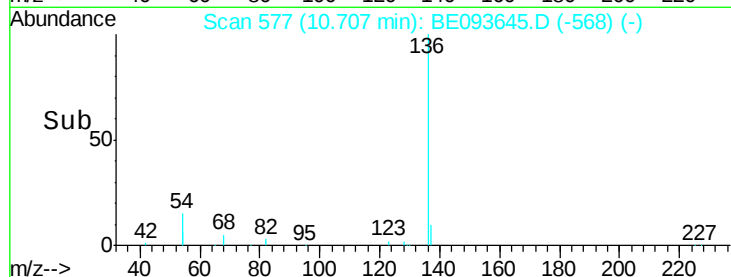
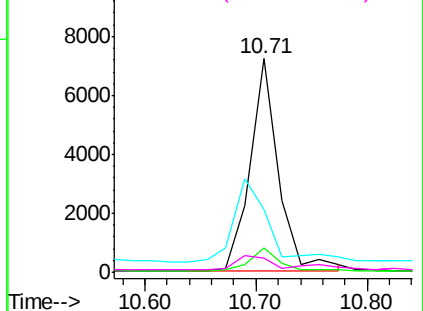


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.311 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

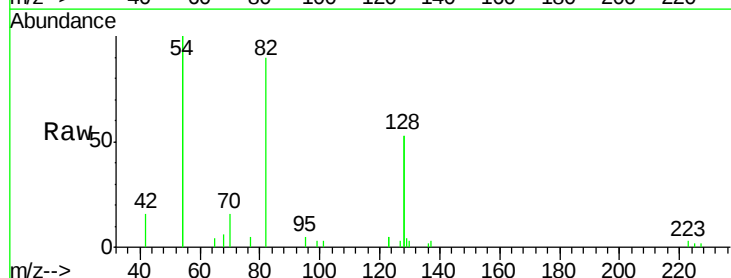
Tgt Ion: 82 Resp: 3033

Ion Ratio Lower Upper

82 100

128 116.7 17.0 25.4#

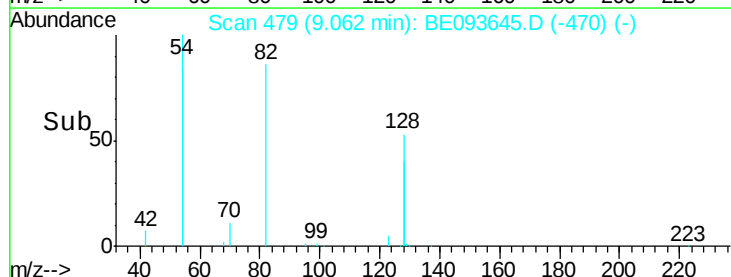
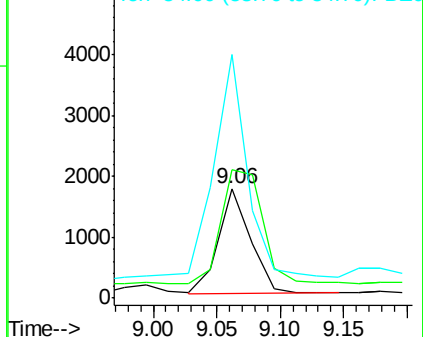
54 222.0 53.8 80.6#

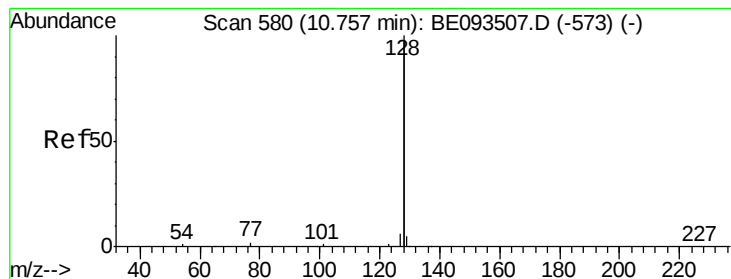


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.302 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

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ClientSampleId :

CSSB-30-2MSD

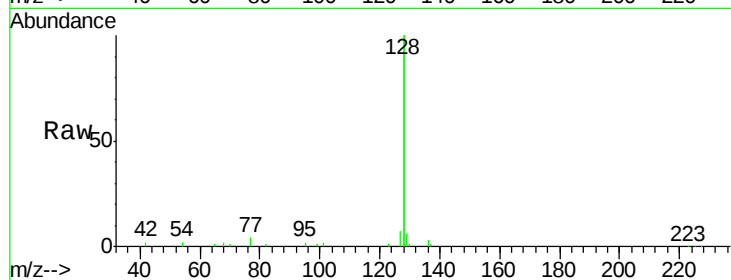
Tgt Ion:128 Resp: 44610

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

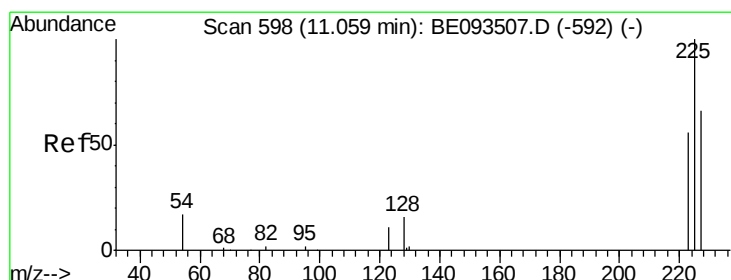
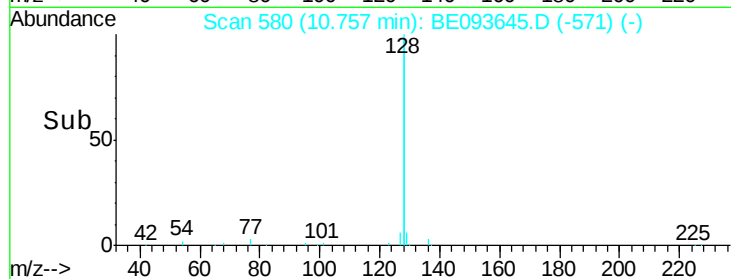
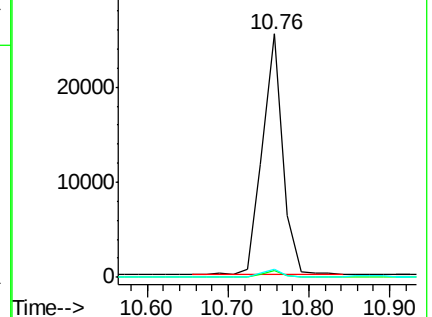
127 3.3 2.4 3.6



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



#10

Hexachlorobutadiene

Concen: 0.245 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.02 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

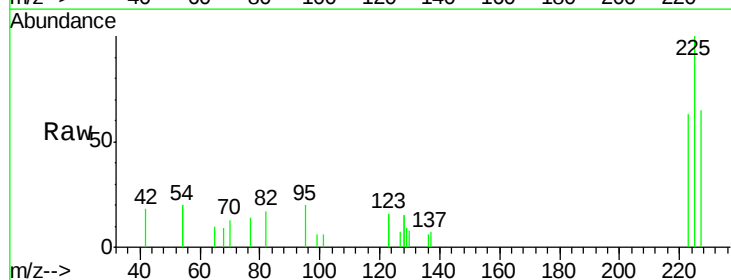
Tgt Ion:225 Resp: 1342

Ion Ratio Lower Upper

225 100

223 62.2 49.7 74.5

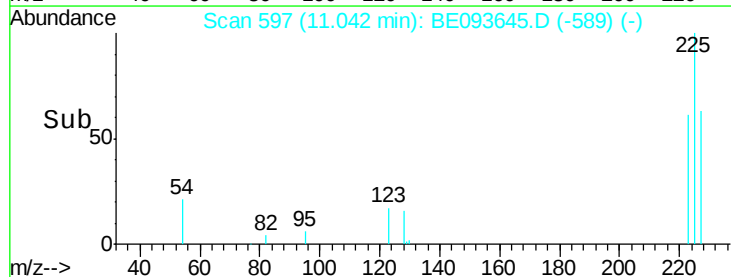
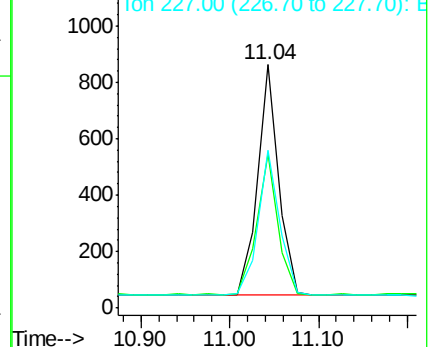
227 64.6 50.3 75.5

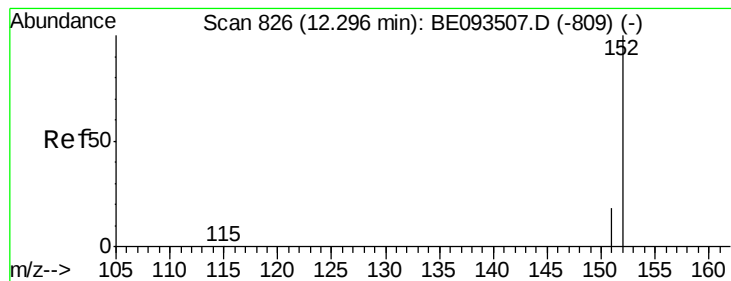


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

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ClientSampleId :

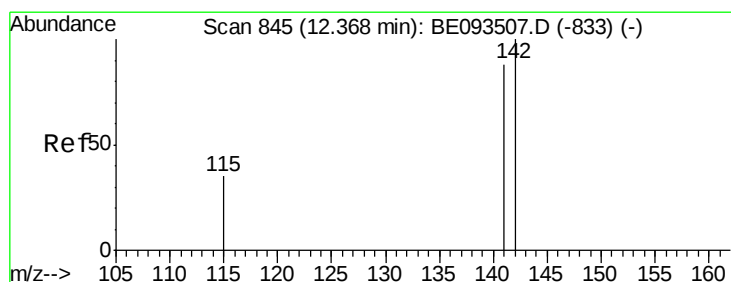
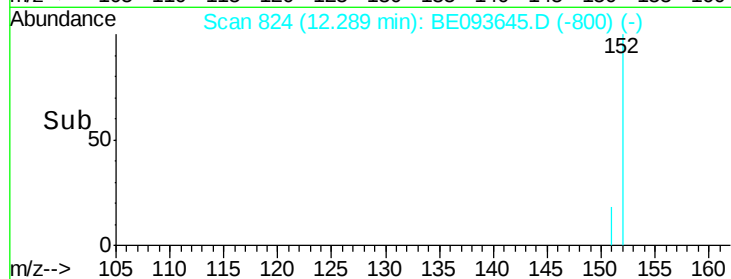
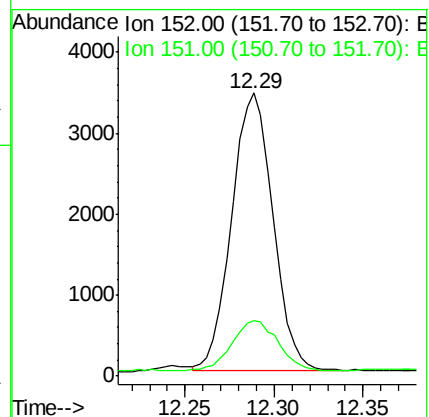
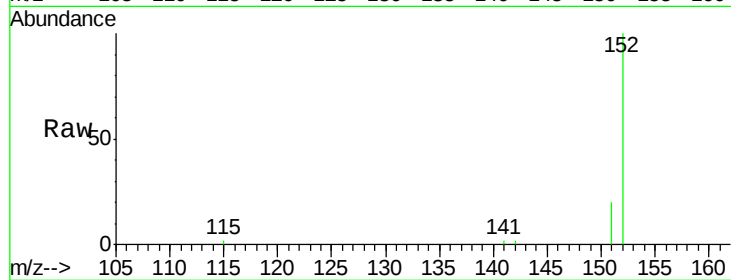
CSSB-30-2MSD

Tgt Ion:152 Resp: 5495

Ion Ratio Lower Upper

152 100

151 20.2 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.416 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

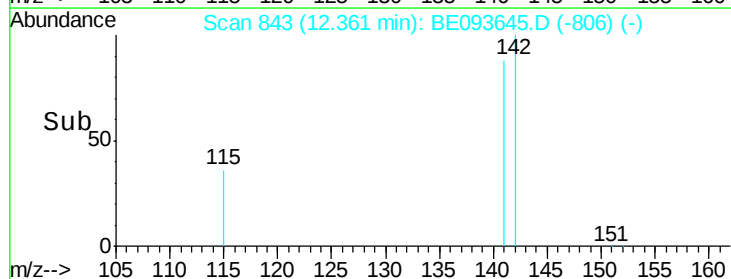
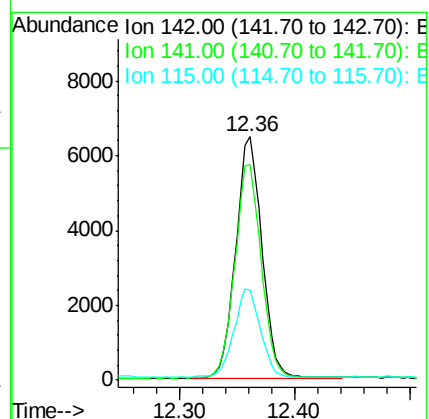
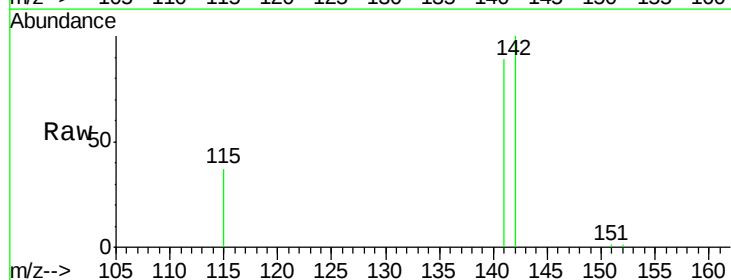
Tgt Ion:142 Resp: 10165

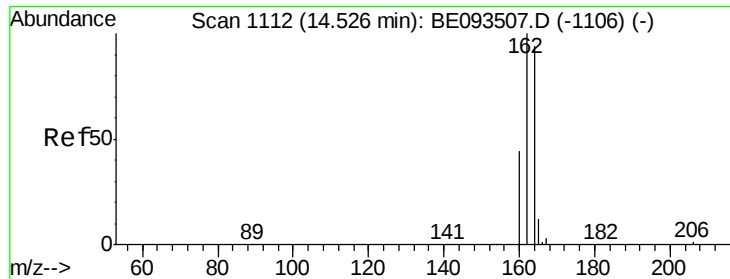
Ion Ratio Lower Upper

142 100

141 88.6 72.6 108.8

115 37.0 32.2 48.2

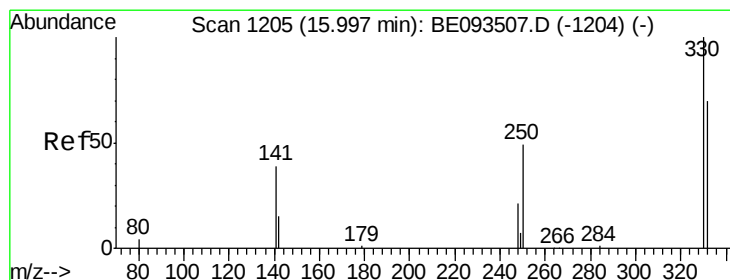
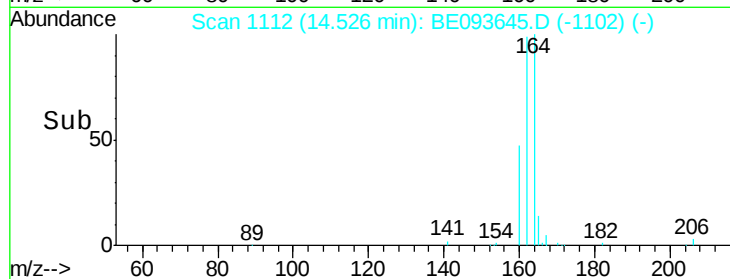
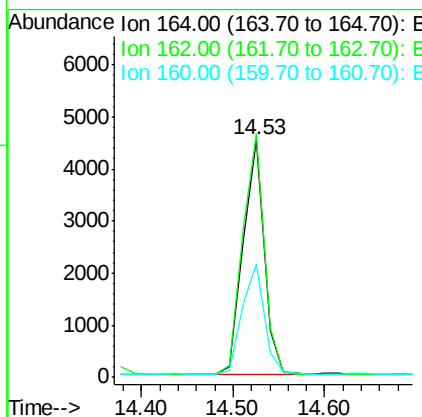
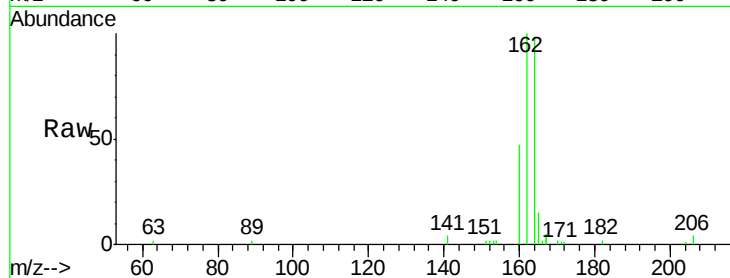




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

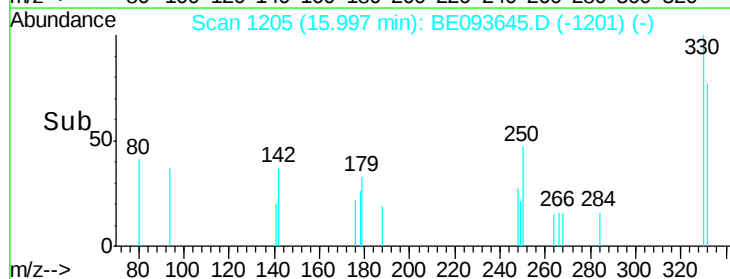
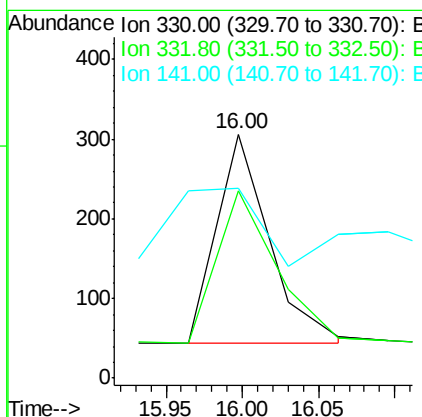
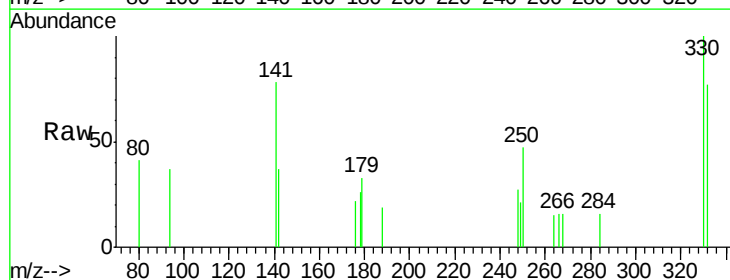
Instrument :
BNA_E
ClientSampleId :
CSSB-30-2MSD

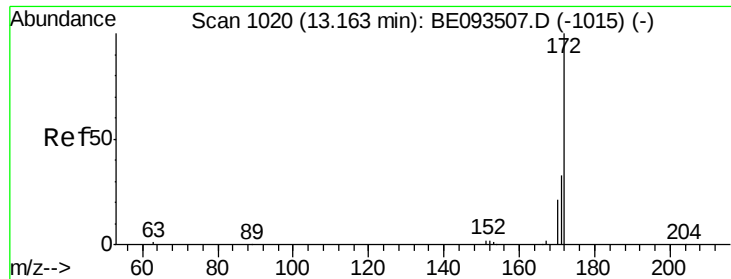
Tgt Ion:164 Resp: 7297
Ion Ratio Lower Upper
164 100
162 102.4 84.6 127.0
160 47.6 41.8 62.6



#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

Tgt Ion:330 Resp: 628
Ion Ratio Lower Upper
330 100
332 82.5 77.7 116.5
141 60.7 56.2 84.4

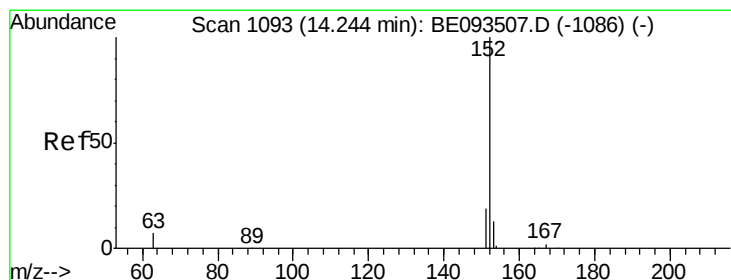
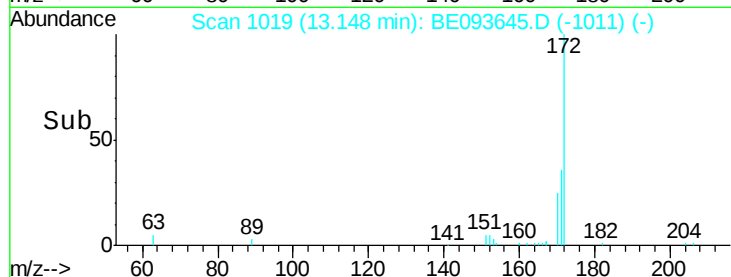
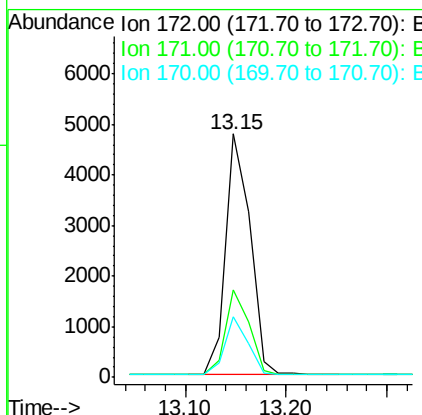
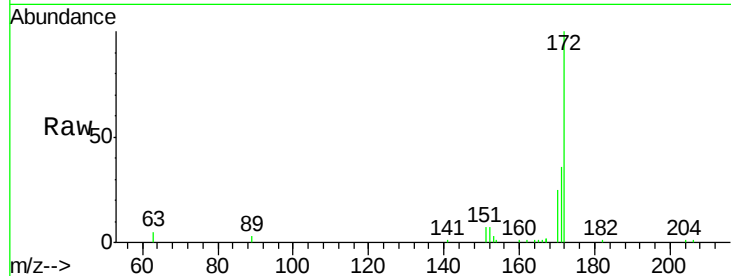




#15
2-Fluorobiphenyl
Concen: 0.278 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

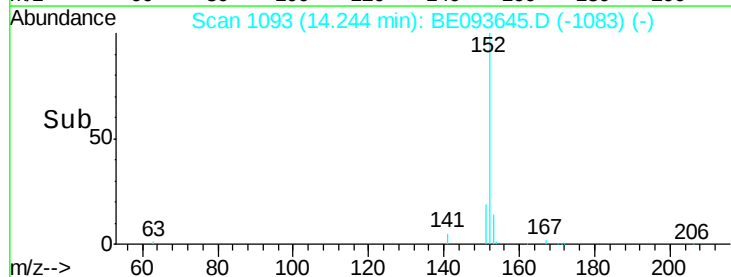
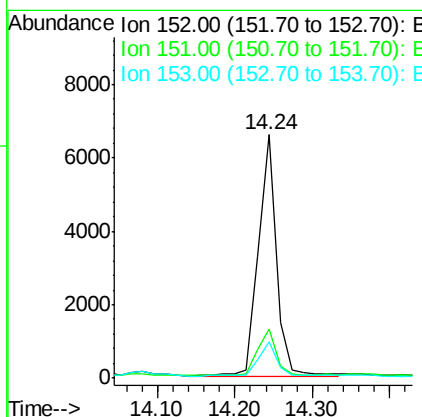
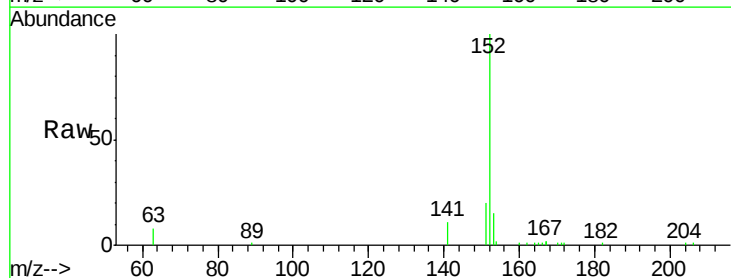
Instrument :
BNA_E
ClientSampleId :
CSSB-30-2MSD

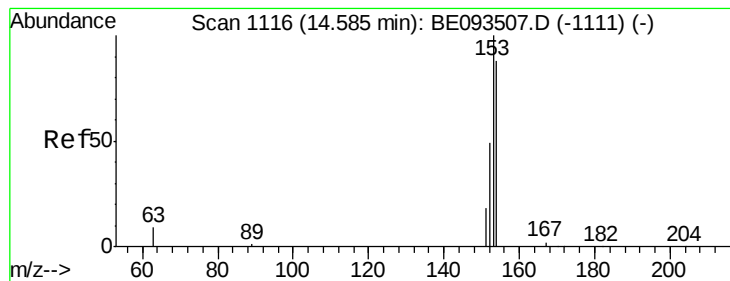
Tgt Ion:172 Resp: 8110
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 25.0 20.7 31.1



#16
Acenaphthylene
Concen: 0.306 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093645.D
Acq: 3 Aug 2017 2:44

Tgt Ion:152 Resp: 10653
Ion Ratio Lower Upper
152 100
151 20.2 4.0 6.0#
153 14.2 10.3 15.5





#17

Acenaphthene

Concen: 0.290 ng

RT: 14.58 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

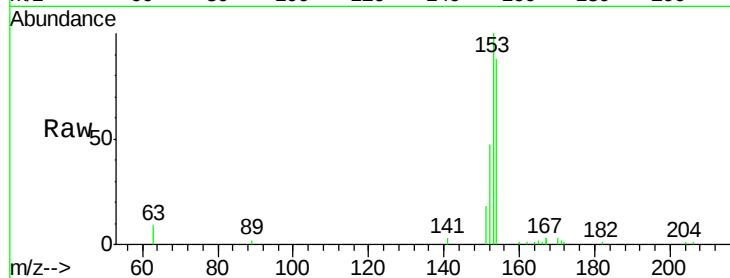
Tgt Ion:154 Resp: 7128

Ion Ratio Lower Upper

154 100

153 116.3 91.2 136.8

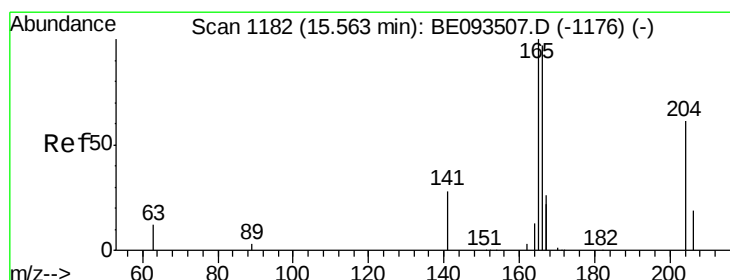
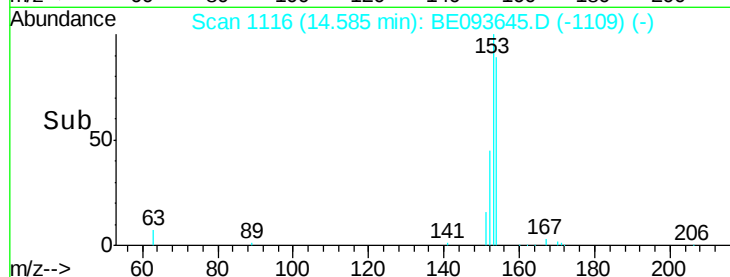
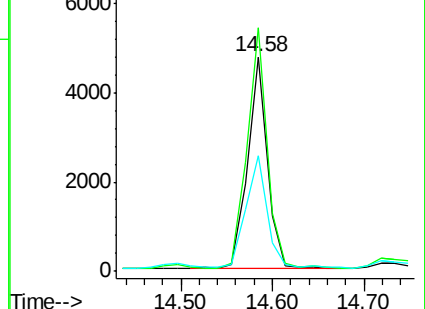
152 56.5 44.8 67.2



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: 0.304 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

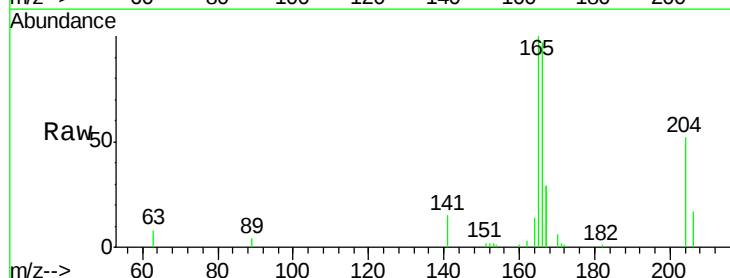
Tgt Ion:166 Resp: 9996

Ion Ratio Lower Upper

166 100

165 100.8 78.6 117.8

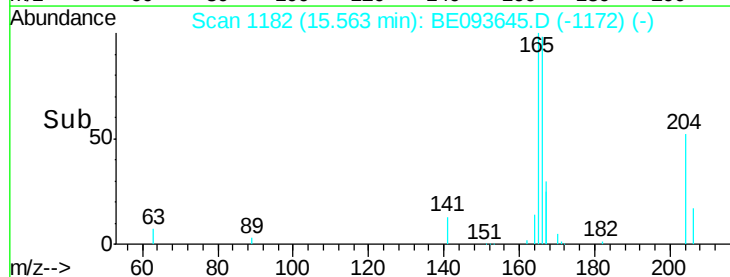
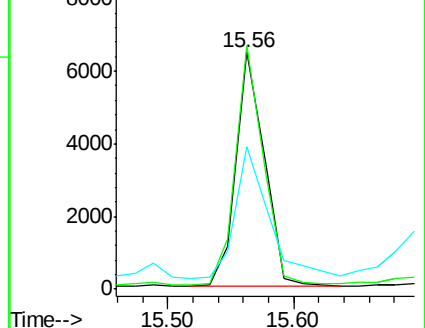
167 67.3 11.1 16.7#

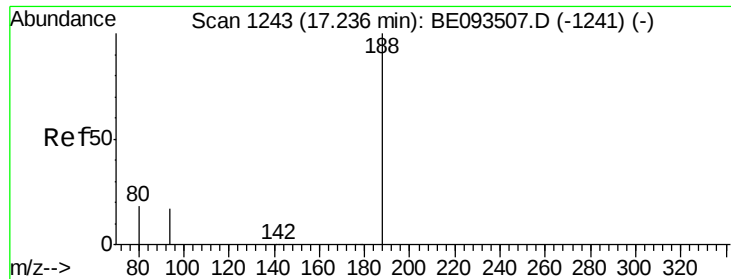


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

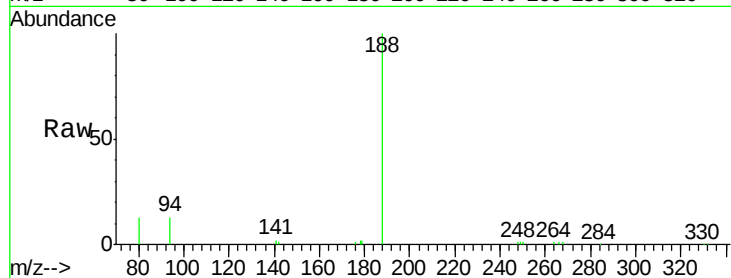
Tgt Ion:188 Resp: 20008

Ion Ratio Lower Upper

188 100

94 12.9 11.3 16.9

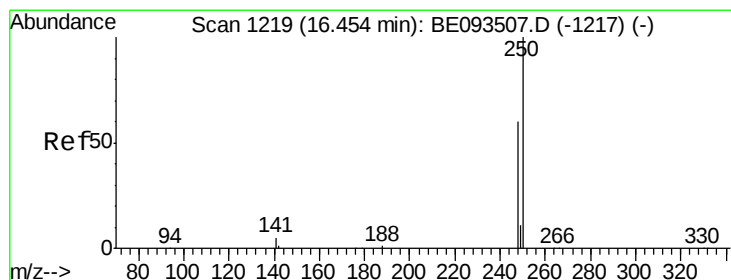
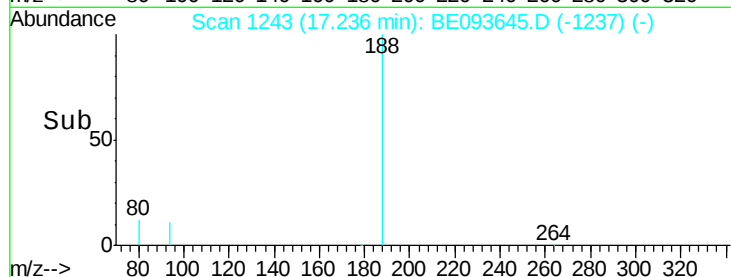
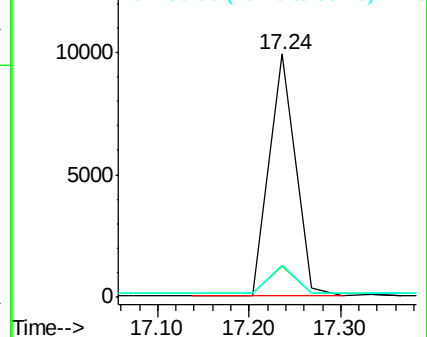
80 13.5 11.7 17.5



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



#20

4-Bromophenyl-phenylether

Concen: 0.216 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

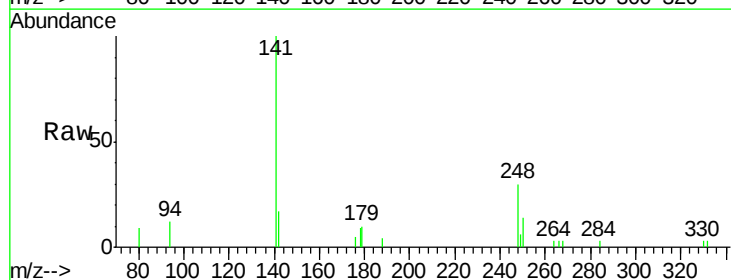
Tgt Ion:248 Resp: 1569

Ion Ratio Lower Upper

248 100

250 45.9 128.0 192.0#

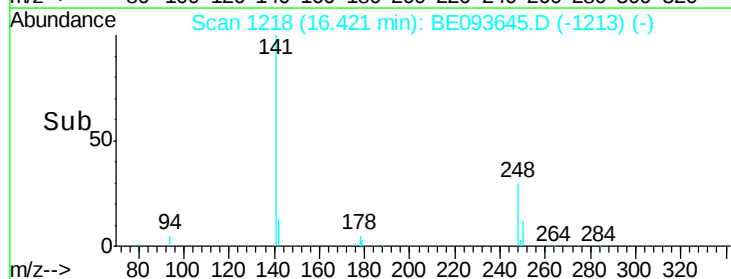
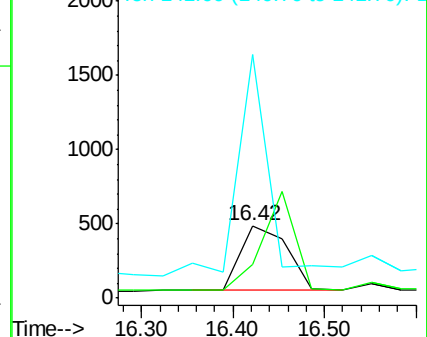
141 337.4 12.0 18.0#

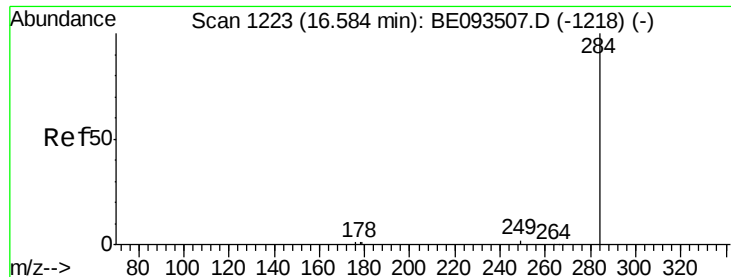


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.211 ng

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

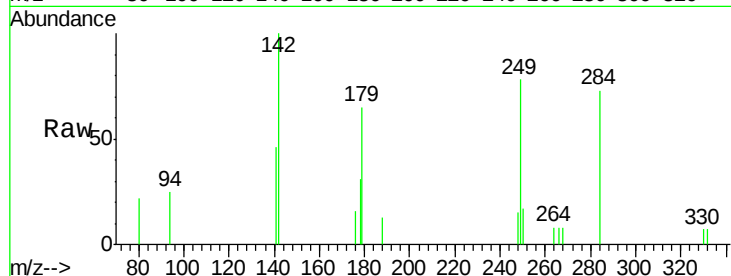
Tgt Ion: 284 Resp: 1436

Ion Ratio Lower Upper

284 100

142 80.8 0.0 0.0#

249 62.4 0.0 0.0#



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

800

600

400

200

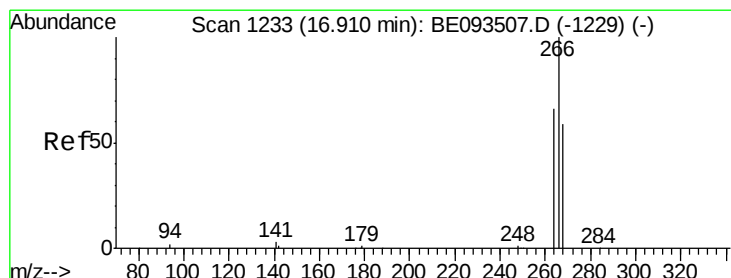
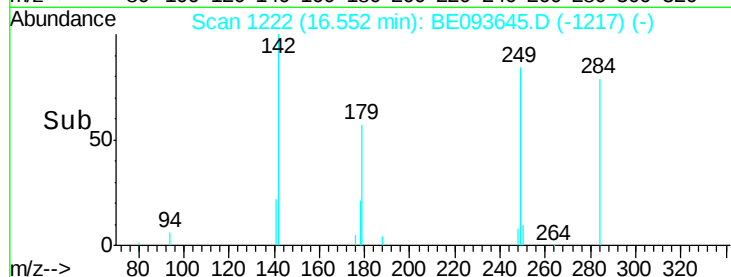
0

16.55

16.50

16.60

Time-->



#22

Pentachlorophenol

Concen: 0.462 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

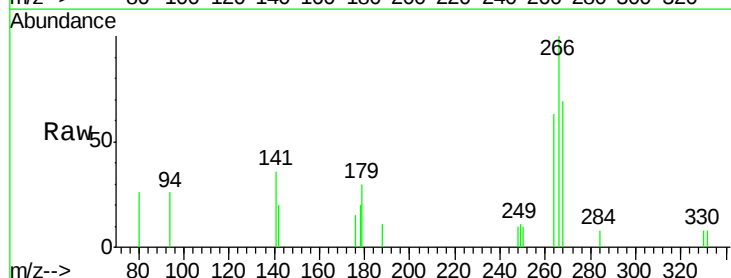
Tgt Ion: 266 Resp: 1217

Ion Ratio Lower Upper

266 100

264 62.8 56.0 84.0

268 68.8 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

800

600

400

200

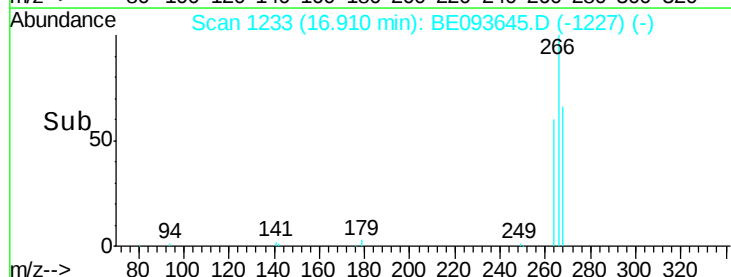
0

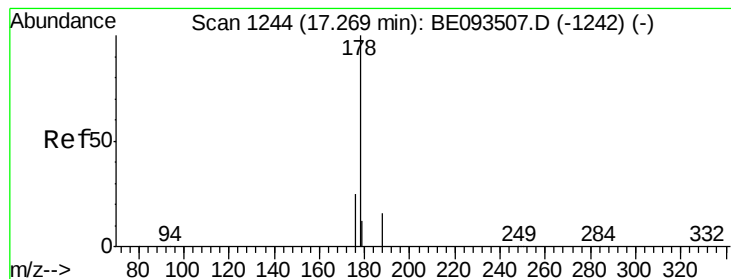
16.91

16.80

17.00

Time-->





#23

Phenanthrene

Concen: 0.337 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

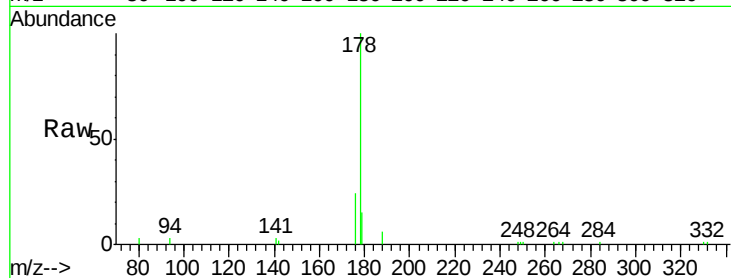
Tgt Ion:178 Resp: 14831

Ion Ratio Lower Upper

178 100

176 21.6 15.0 22.4

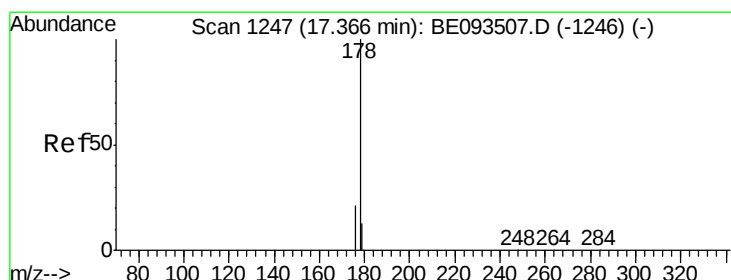
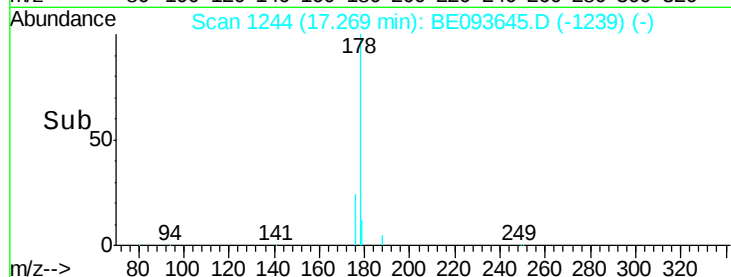
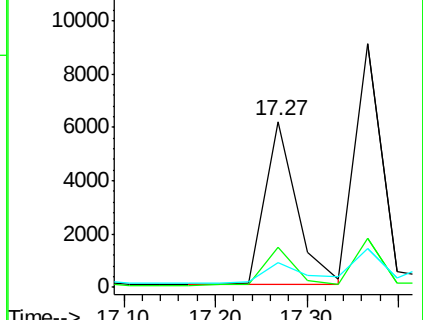
179 0.0 12.7 19.1#



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: 0.301 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

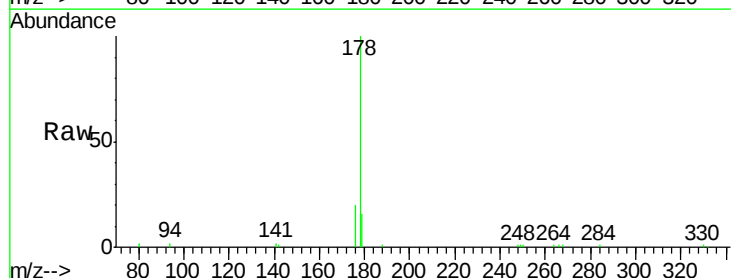
Tgt Ion:178 Resp: 18092

Ion Ratio Lower Upper

178 100

176 19.5 14.6 22.0

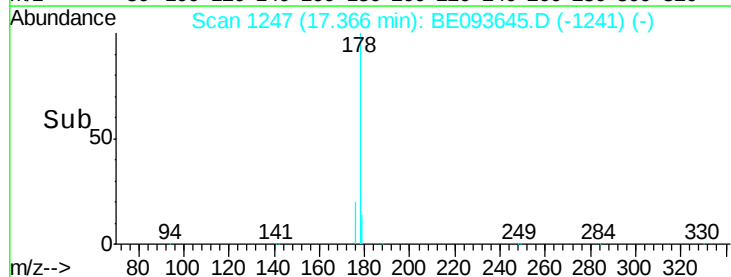
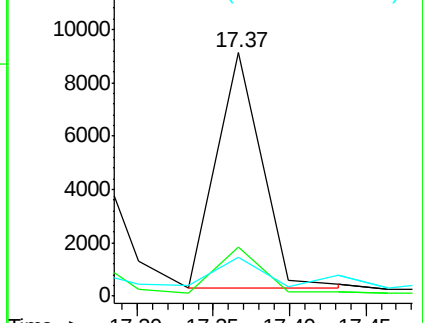
179 26.8 12.0 18.0#

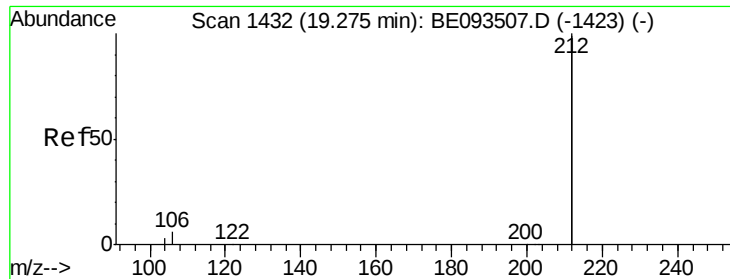


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

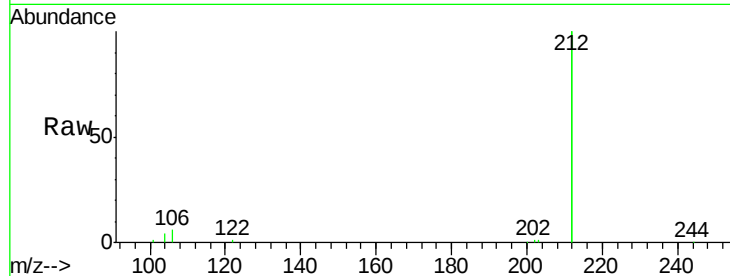
Tgt Ion:212 Resp: 59484

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

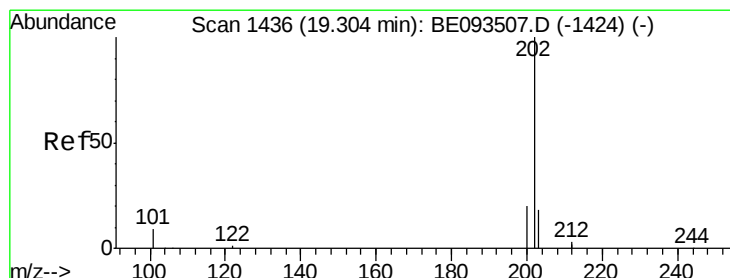
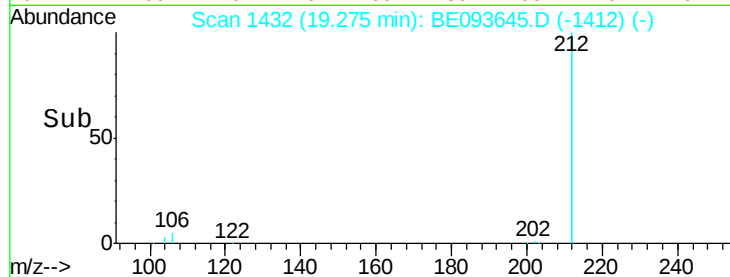
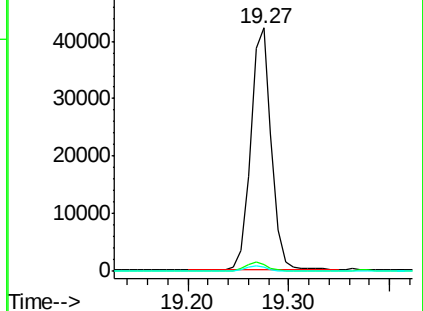
104 1.9 1.6 2.4



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: 0.256 ng

RT: 19.30 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

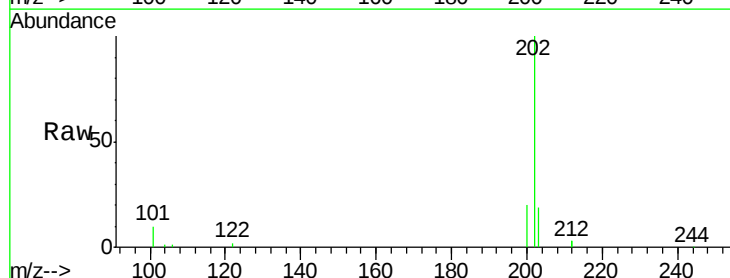
Tgt Ion:202 Resp: 17914

Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

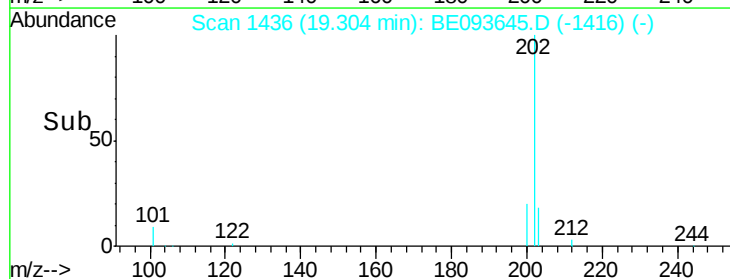
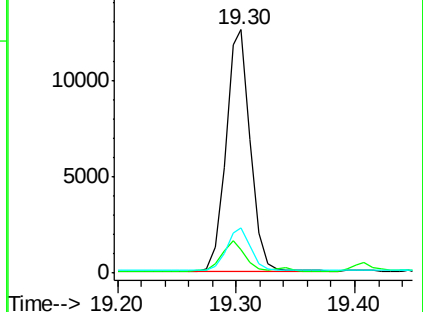
203 17.3 14.4 21.6

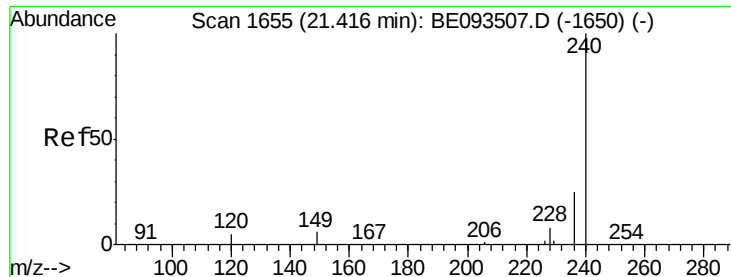


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

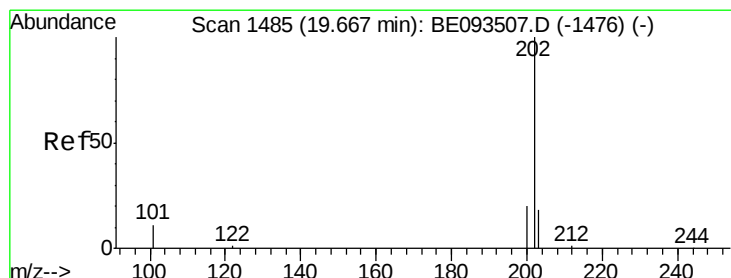
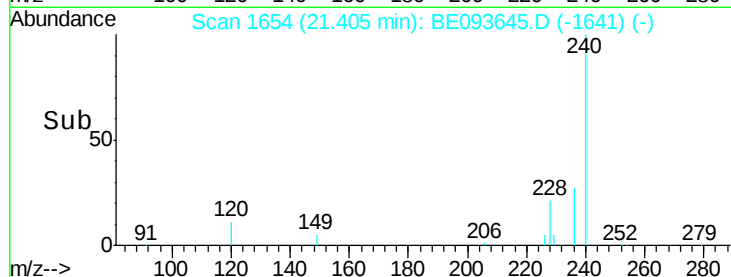
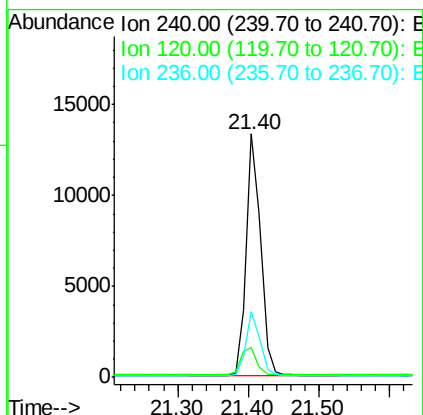
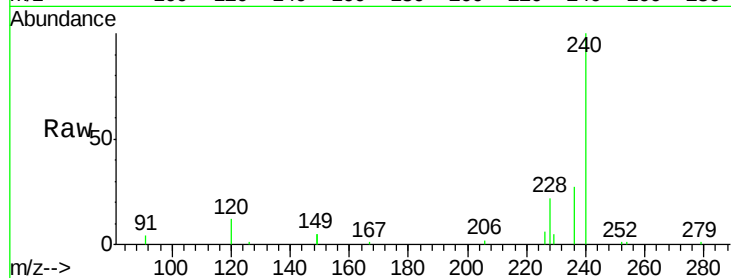




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093645.D
 Acq: 3 Aug 2017 2:44

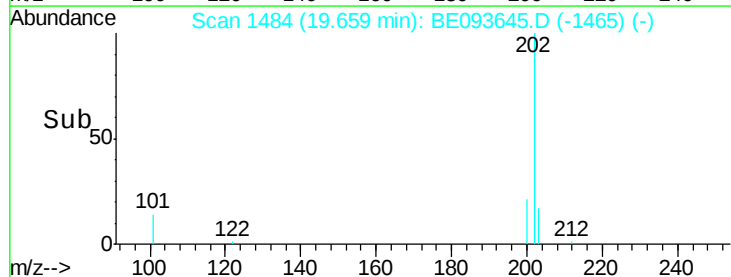
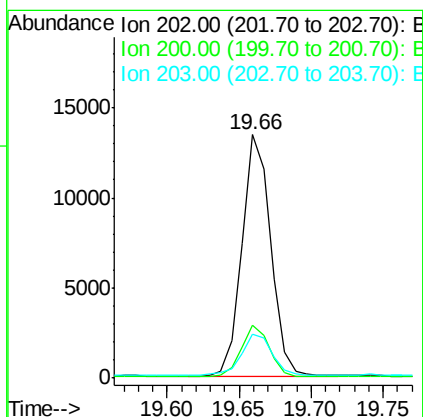
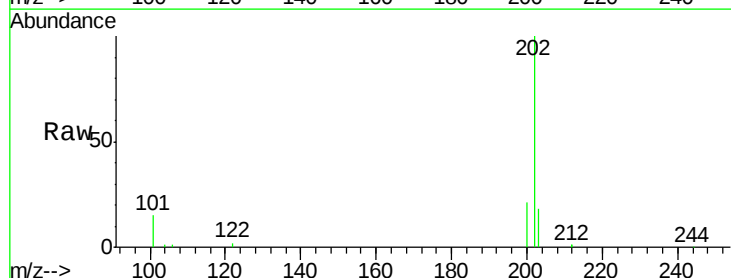
Instrument :
 BNA_E
 ClientSampleId :
 CSSB-30-2MSD

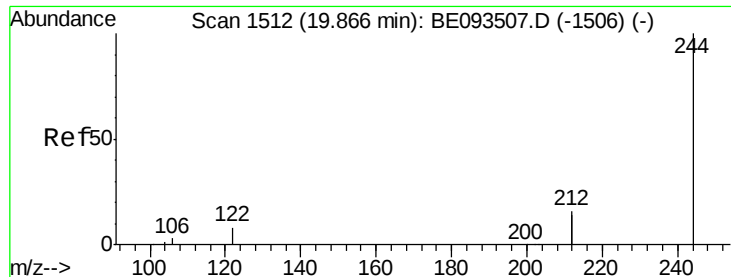
Tgt Ion:240 Resp: 18908
 Ion Ratio Lower Upper
 240 100
 120 12.2 4.6 7.0#
 236 27.1 20.8 31.2



#28
 Pyrene
 Concen: 0.306 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093645.D
 Acq: 3 Aug 2017 2:44

Tgt Ion:202 Resp: 18681
 Ion Ratio Lower Upper
 202 100
 200 20.7 0.0 0.0#
 203 18.5 13.7 20.5





#29

Terphenyl-d14

Concen: 0.302 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

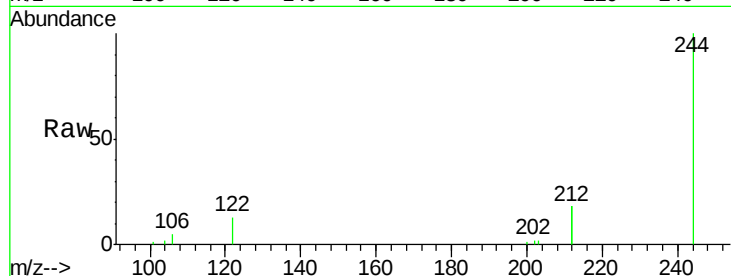
Tgt Ion:244 Resp: 10241

Ion Ratio Lower Upper

244 100

212 36.1 10.6 16.0#

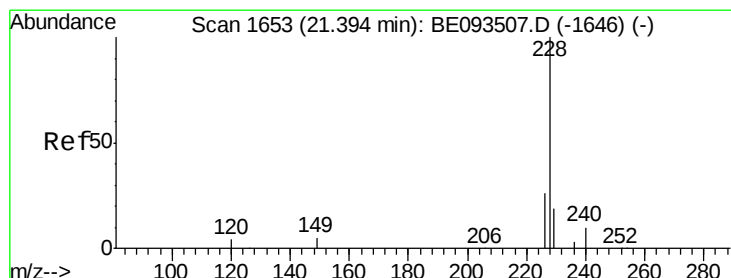
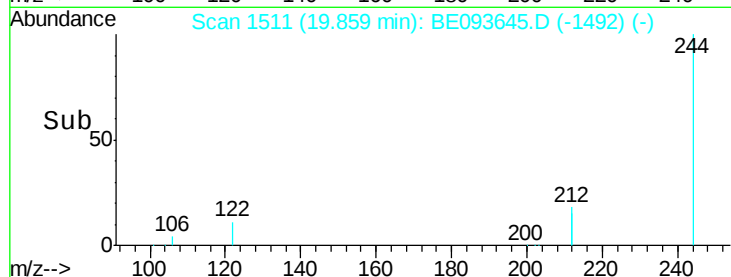
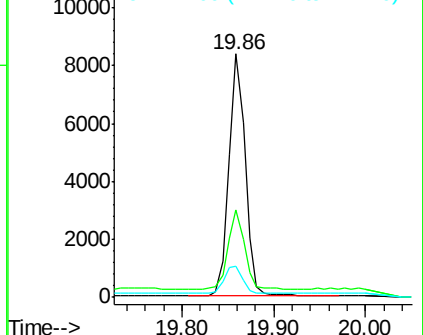
122 13.0 15.4 23.0#



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: 0.288 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

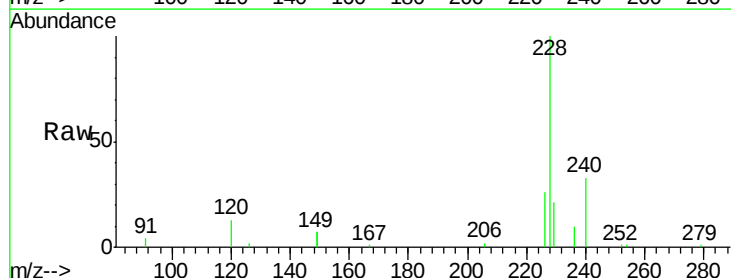
Tgt Ion:228 Resp: 16036

Ion Ratio Lower Upper

228 100

226 26.1 19.7 29.5

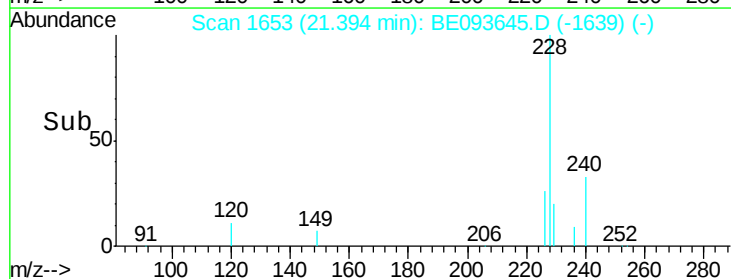
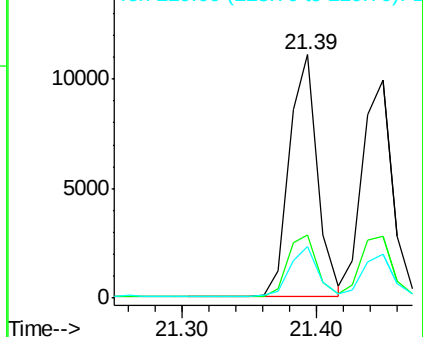
229 21.2 19.2 28.8

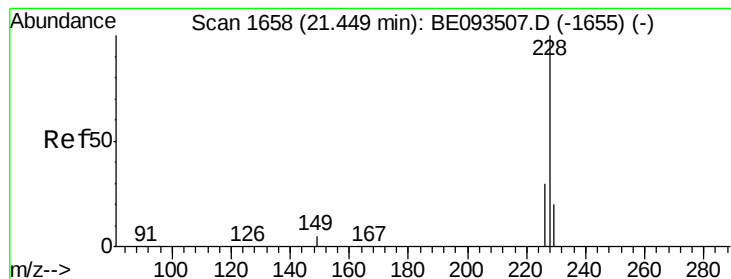


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.250 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

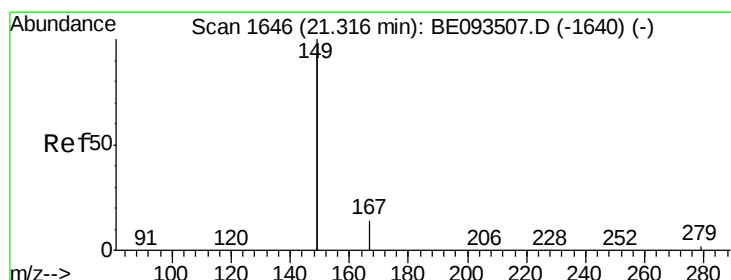
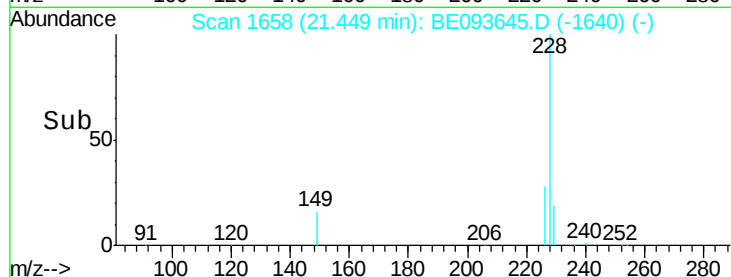
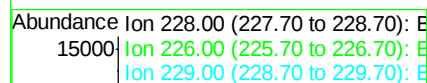
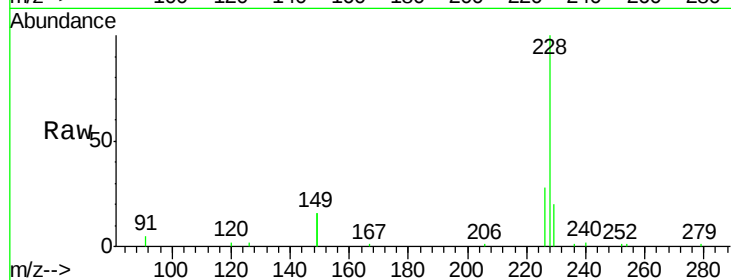
Tgt Ion:228 Resp: 15493

Ion Ratio Lower Upper

228 100

226 28.3 21.5 32.3

229 20.3 18.6 28.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.622 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

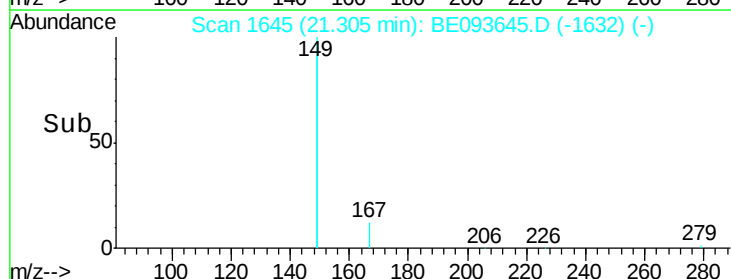
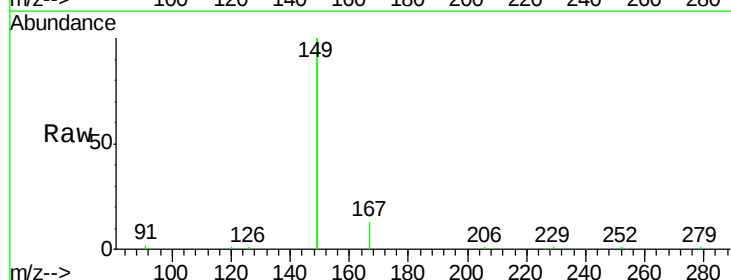
Tgt Ion:149 Resp: 47157

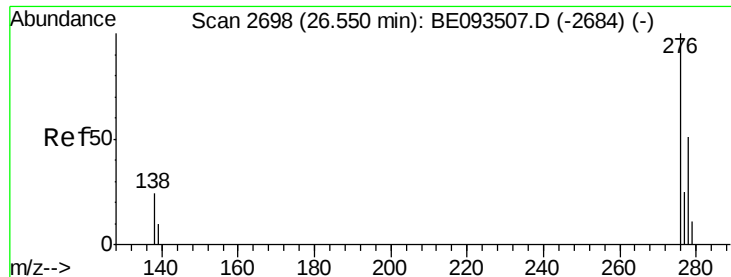
Ion Ratio Lower Upper

149 100

167 6.8 4.8 7.2

279 0.9 0.8 1.2





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.243 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

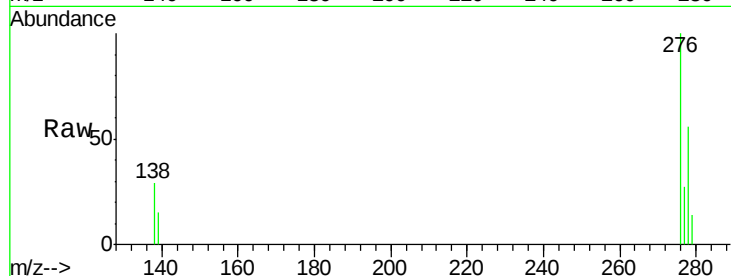
Tgt Ion:276 Resp: 13653

Ion Ratio Lower Upper

276 100

138 28.2 27.4 41.2

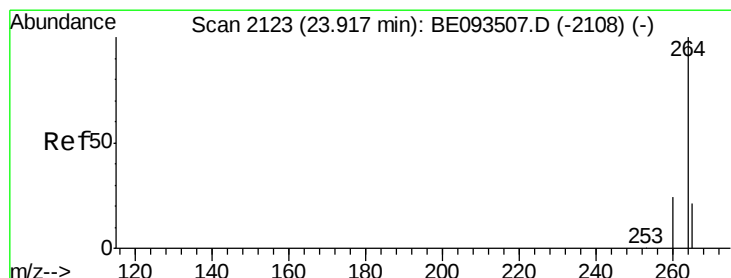
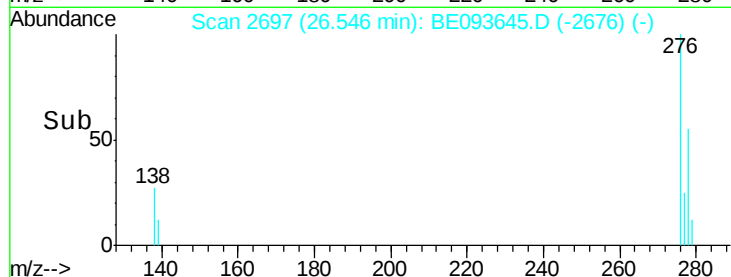
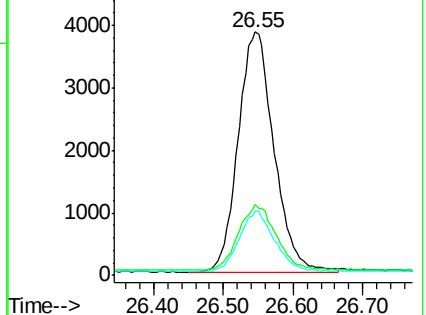
277 24.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

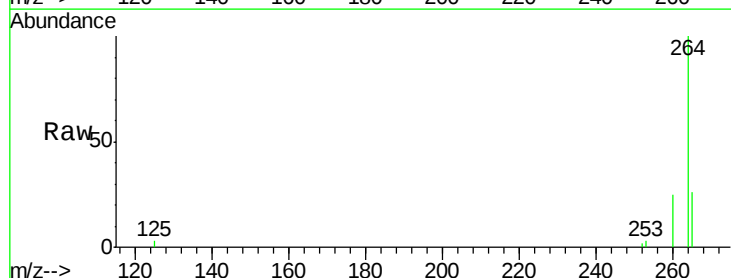
Tgt Ion:264 Resp: 16639

Ion Ratio Lower Upper

264 100

260 24.8 21.0 31.4

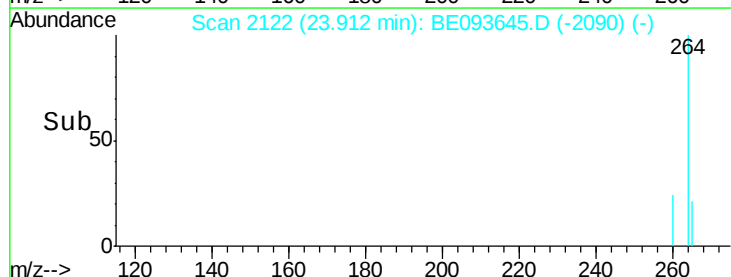
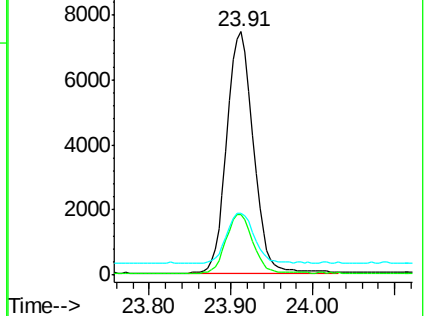
265 25.5 24.6 36.8

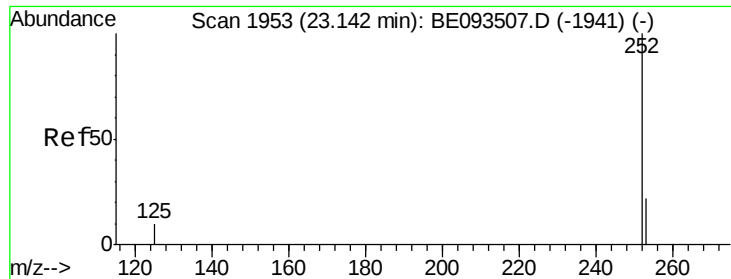


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.245 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

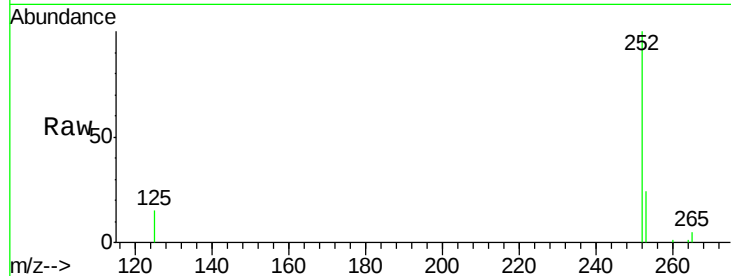
Tgt Ion:252 Resp: 14546

Ion Ratio Lower Upper

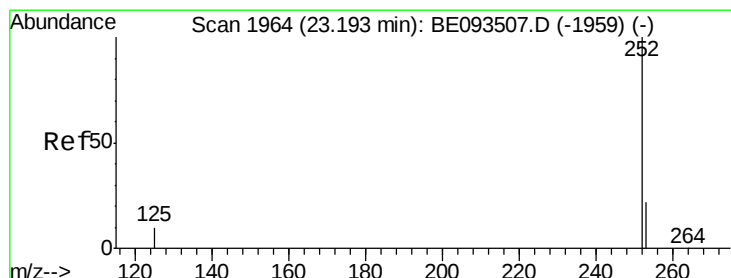
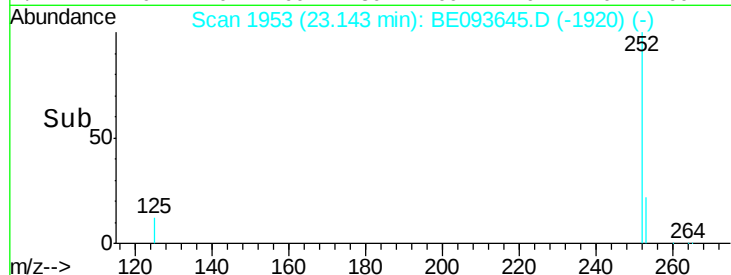
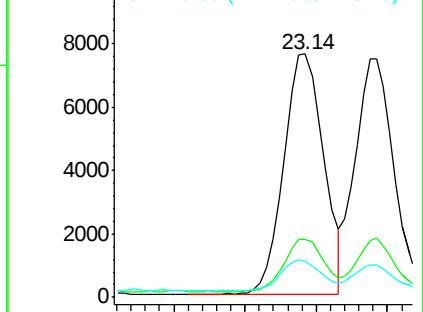
252 100

253 24.0 18.5 27.7

125 14.6 13.4 20.0



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: 0.233 ng

RT: 23.19 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

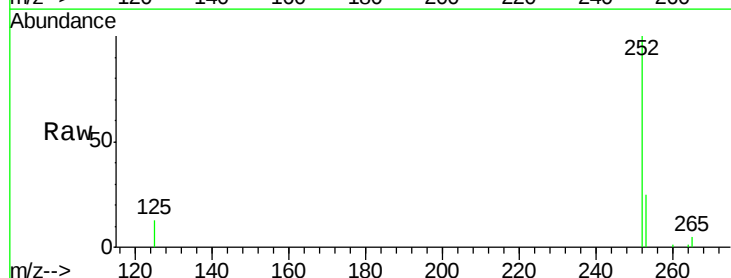
Tgt Ion:252 Resp: 14116

Ion Ratio Lower Upper

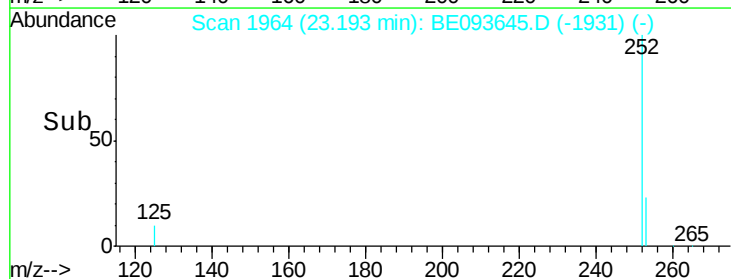
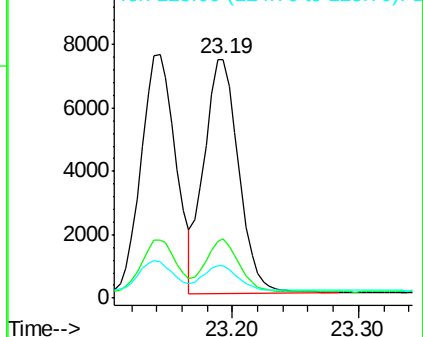
252 100

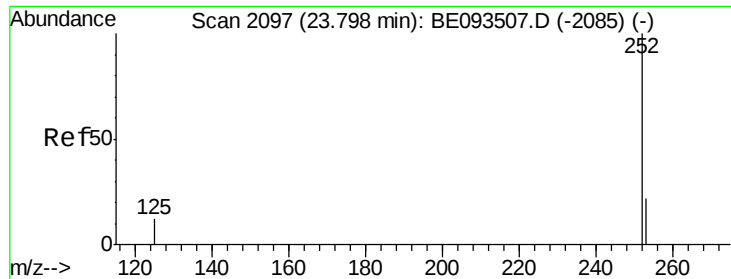
253 25.0 20.3 30.5

125 13.4 12.2 18.4



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: 0.247 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD

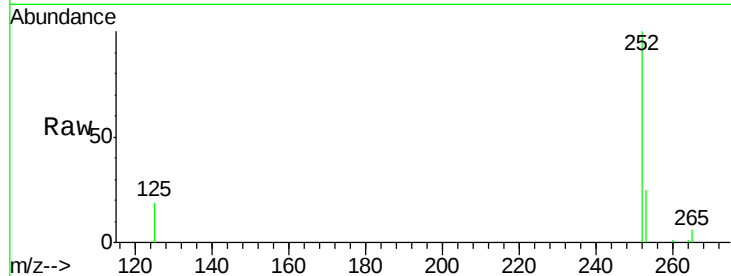
Tgt Ion:252 Resp: 13275

Ion Ratio Lower Upper

252 100

253 24.7 19.9 29.9

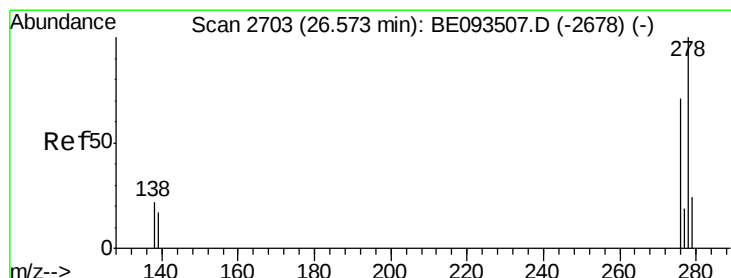
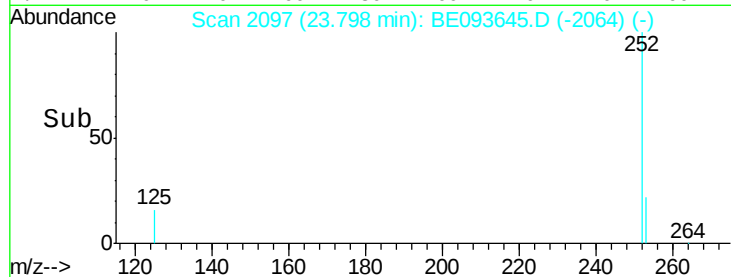
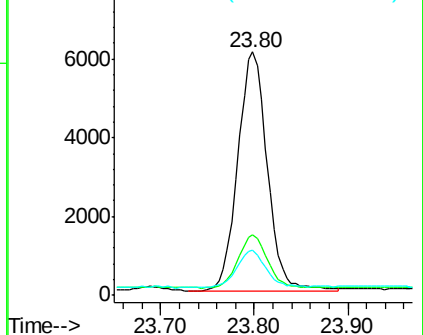
125 18.6 14.6 21.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.220 ng

RT: 26.56 min Scan# 2701

Delta R.T. -0.01 min

Lab File: BE093645.D

Acq: 3 Aug 2017 2:44

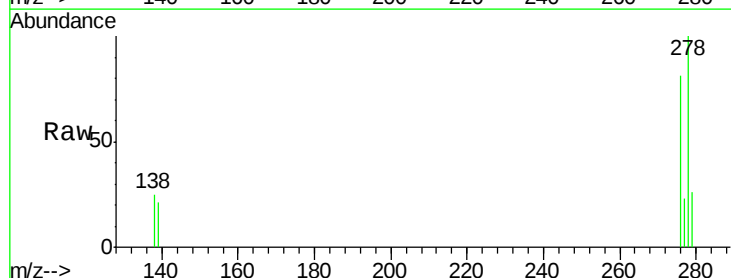
Tgt Ion:278 Resp: 11431

Ion Ratio Lower Upper

278 100

139 21.2 21.4 32.0#

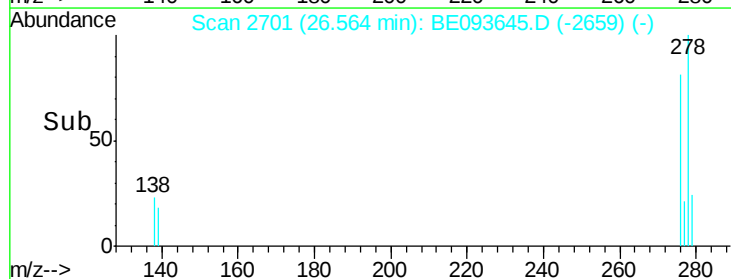
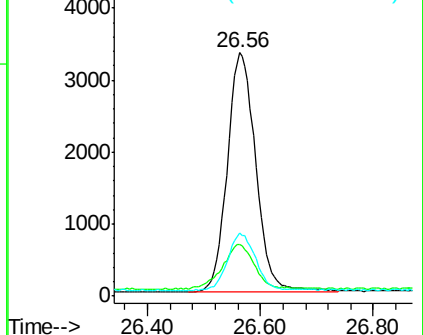
279 26.0 22.2 33.2

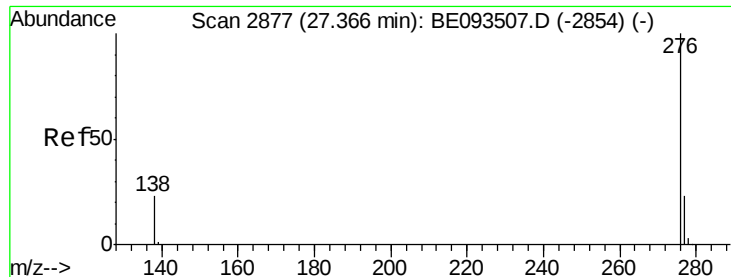


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.213 ng

RT: 27.36 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BE093645.D

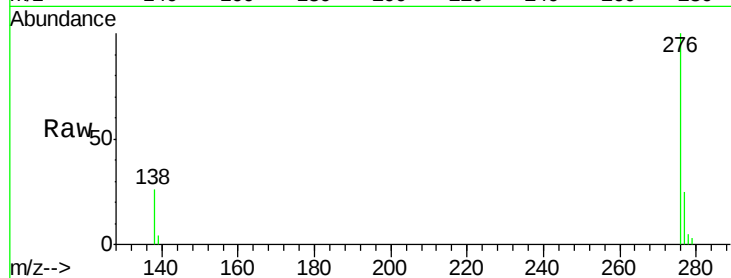
Acq: 3 Aug 2017 2:44

Instrument :

BNA_E

ClientSampleId :

CSSB-30-2MSD



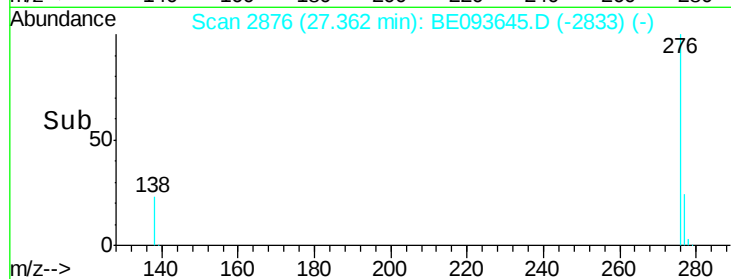
Tgt Ion: 276 Resp: 11224

Ion Ratio Lower Upper

276 100

277 25.2 21.2 31.8

138 26.0 24.5 36.7



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

