

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093681.D
 Acq On : 5 Aug 2017 18:52
 Operator : SJ/JU
 Sample : I4427-04MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MS

Quant Time: Aug 06 02:44:28 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	3014	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	14850	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	8686	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	19400	0.40	ng	0.00
27) Chrysene-d12	21.40	240	22253	0.40	ng	-0.01
34) Perylene-d12	23.91	264	19979	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.51	112	3232	0.36	ng	0.00
5) Phenol-d6	7.09	99	4982	0.37	ng	-0.01
8) Nitrobenzene-d5	9.06	82	4206	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	6267	0.27	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	925	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8795	0.25	ng	-0.02
25) Fluoranthene-d10	19.27	212	61917	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	13975	0.35	ng	0.00

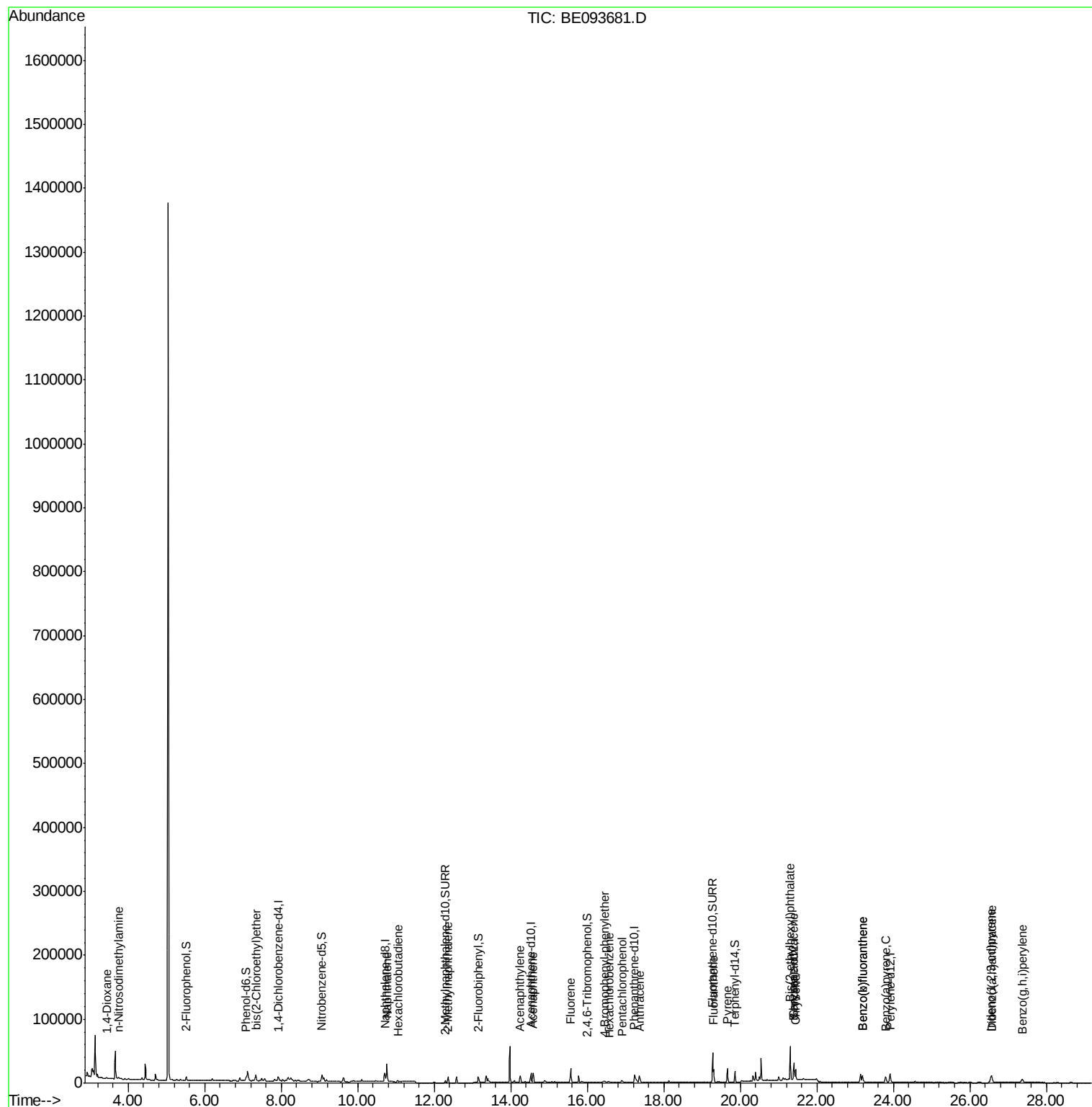
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	1082	0.221	ng	# 48
3) n-Nitrosodimethylamine	3.74	42	1757	0.384	ng	# 89
6) bis(2-Chloroethyl)ether	7.34	93	3326	0.293	ng	# 91
9) Naphthalene	10.76	128	46272	0.269	ng	100
10) Hexachlorobutadiene	11.04	225	1400	0.220	ng	99
12) 2-Methylnaphthalene	12.36	142	7238	0.255	ng	97
16) Acenaphthylene	14.24	152	11209	0.270	ng	# 88
17) Acenaphthene	14.58	154	7129	0.243	ng	99
18) Fluorene	15.56	166	9064	0.232	ng	# 87
20) 4-Bromophenyl-phenylether	16.45	248	1324	0.173	ng	# 86
21) Hexachlorobenzene	16.58	284	1387	0.210	ng	# 100
22) Pentachlorophenol	16.91	266	2892	0.914	ng	95
24) Anthracene	17.36	178	27497	0.471	ng	# 91
26) Fluoranthene	19.30	202	19355	0.285	ng	98
28) Pyrene	19.66	202	19679	0.274	ng	# 97
30) Benzo(a)anthracene	21.39	228	17080	0.261	ng	95
31) Chrysene	21.45	228	16393	0.225	ng	96
32) Bis(2-ethylhexyl)phthalate	21.30	149	58656	0.658	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	15444	0.234	ng	94
35) Benzo(b)fluoranthene	23.19	252	15269	0.214	ng	96
36) Benzo(k)fluoranthene	23.19	252	15387	0.211	ng	99
37) Benzo(a)pyrene	23.80	252	14500	0.224	ng	98
38) Dibenzo(a,h)anthracene	26.57	278	12263	0.197	ng	94
39) Benzo(g,h,i)perylene	27.36	276	12980	0.205	ng	97

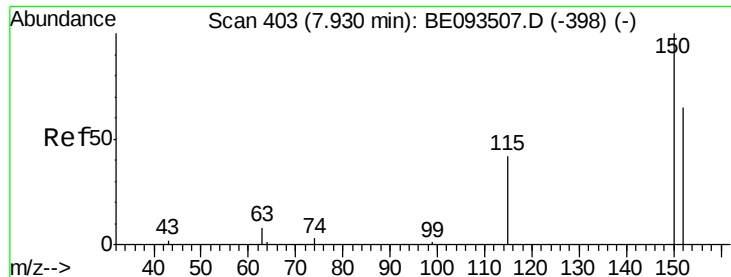
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

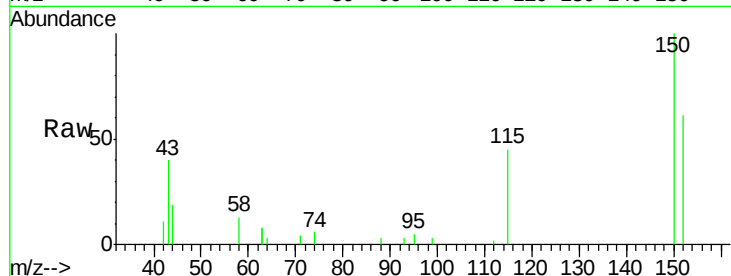
Tgt Ion: 152 Resp: 3014

Ion Ratio Lower Upper

152 100

150 165.3 125.1 187.7

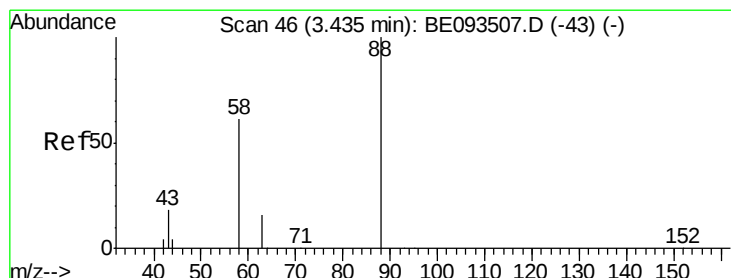
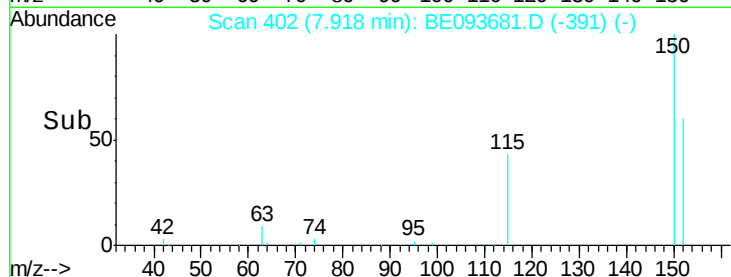
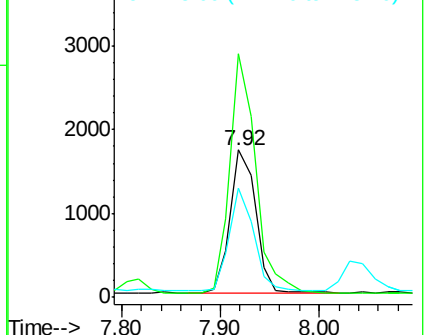
115 74.6 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.221 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

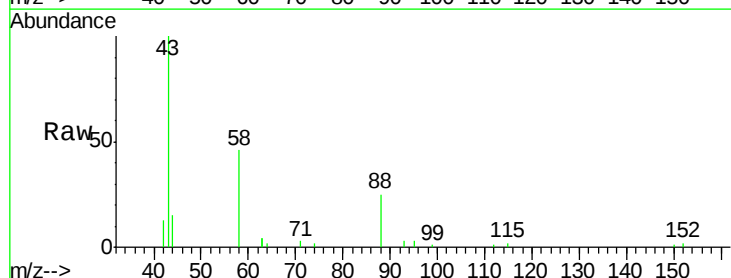
Tgt Ion: 88 Resp: 1082

Ion Ratio Lower Upper

88 100

58 122.5 62.2 93.4#

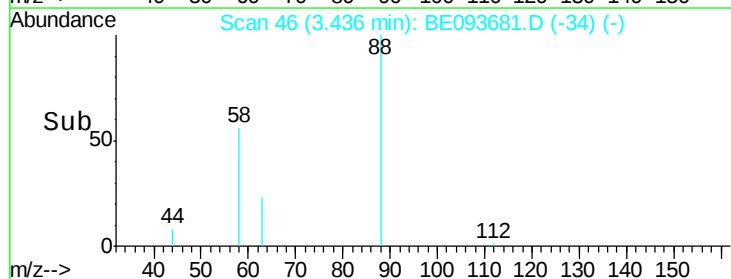
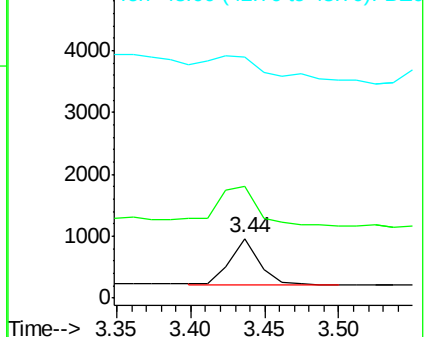
43 0.0 23.2 34.8#

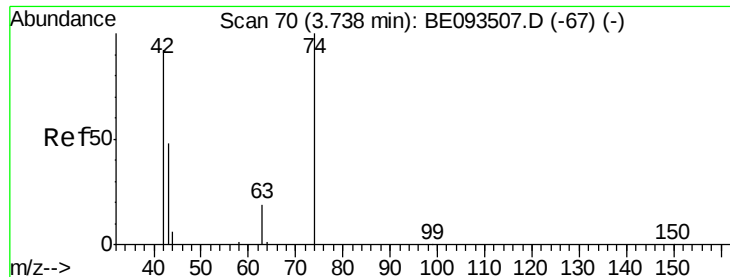


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

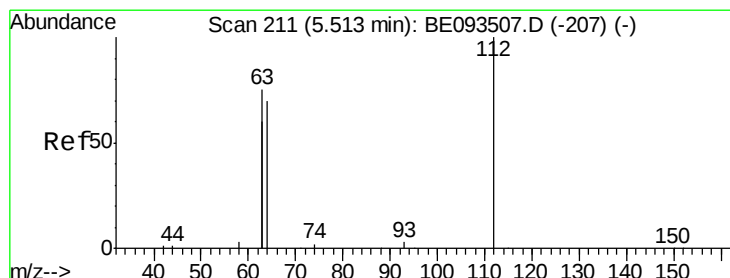
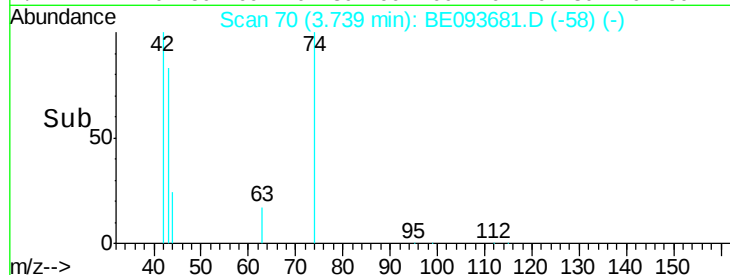
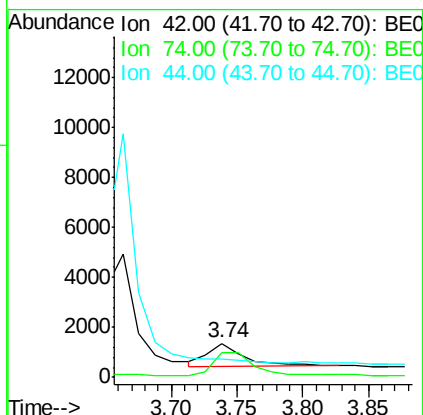
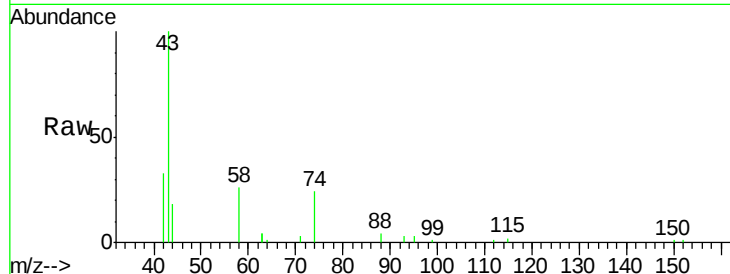




#3
n-Nitrosodimethylamine
Concen: 0.384 ng
RT: 3.74 min Scan# 70
Delta R.T. 0.00 min
Lab File: BE093681.D
Acq: 5 Aug 2017 18:52

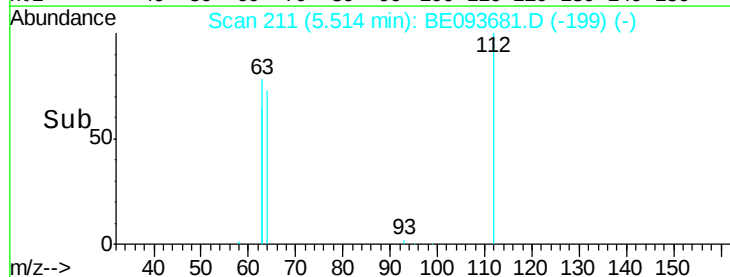
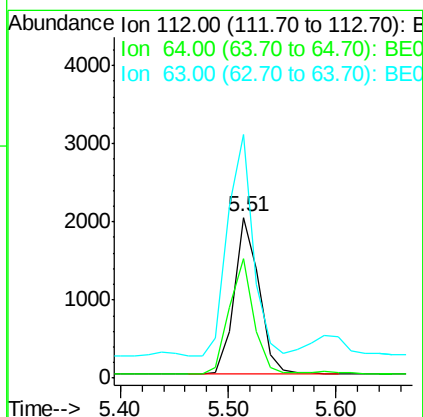
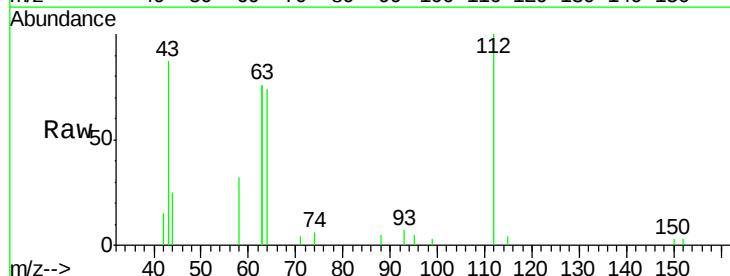
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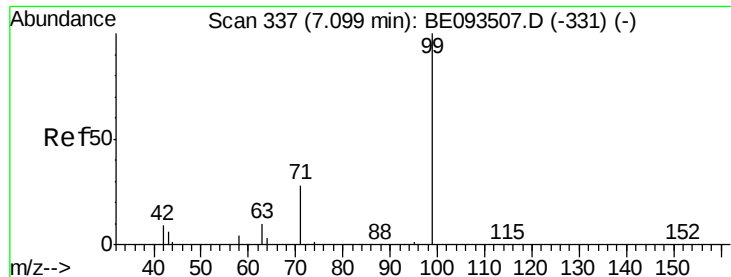
Tgt Ion: 42 Resp: 1757
Ion Ratio Lower Upper
42 100
74 112.6 99.1 148.7
44 0.0 7.4 11.2#



#4
2-Fluorophenol
Concen: 0.360 ng
RT: 5.51 min Scan# 211
Delta R.T. 0.00 min
Lab File: BE093681.D
Acq: 5 Aug 2017 18:52

Tgt Ion: 112 Resp: 3232
Ion Ratio Lower Upper
112 100
64 71.3 56.4 84.6
63 141.0 29.3 43.9#





#5

Phenol-d6

Concen: 0.369 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

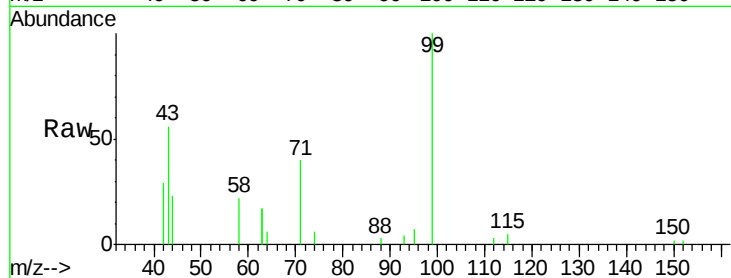
Tgt Ion: 99 Resp: 4982

Ion Ratio Lower Upper

99 100

42 37.1 0.0 0.0#

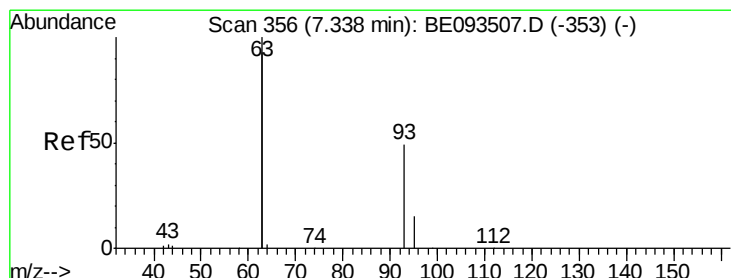
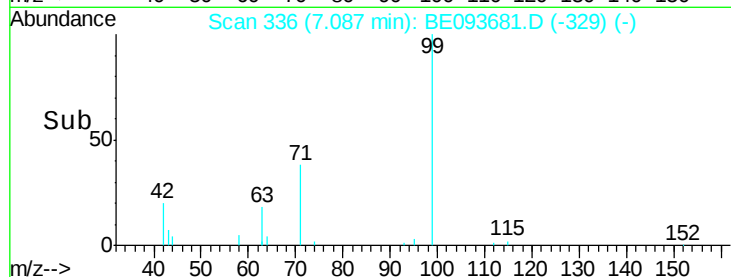
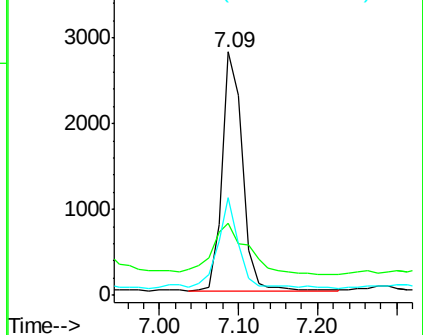
71 39.6 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.293 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

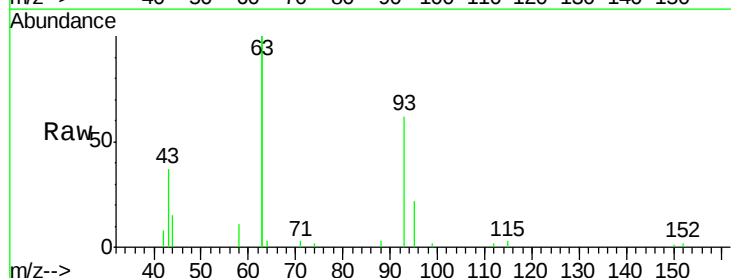
Tgt Ion: 93 Resp: 3326

Ion Ratio Lower Upper

93 100

63 407.4 0.0 0.0#

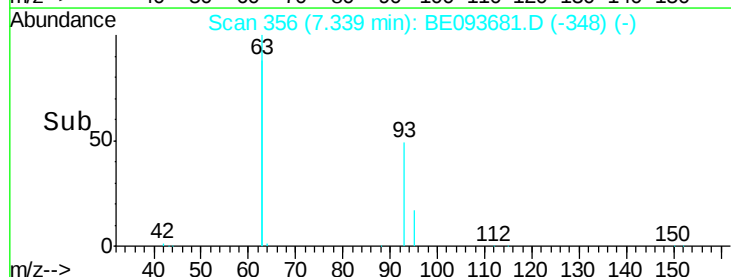
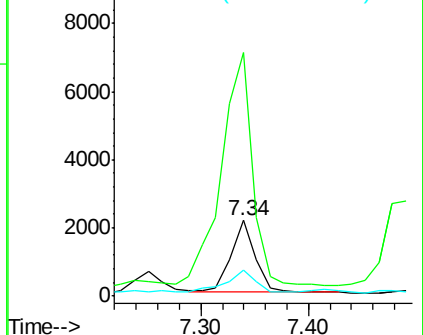
95 36.9 25.4 38.0

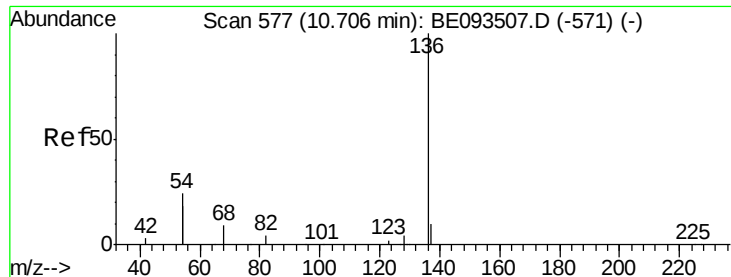


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

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LASB-13A-1MS

Tgt Ion: 136 Resp: 14850

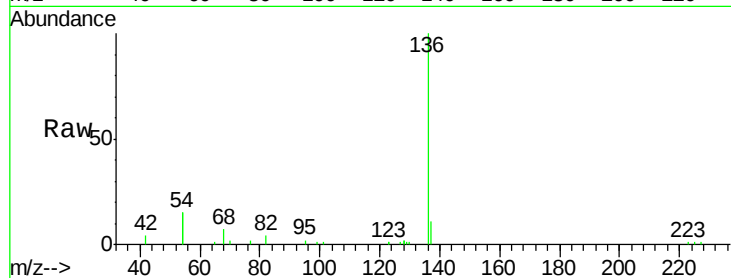
Ion Ratio Lower Upper

136 100

137 11.4 9.8 14.8

54 30.5 10.3 15.5#

68 6.8 9.0 13.4#

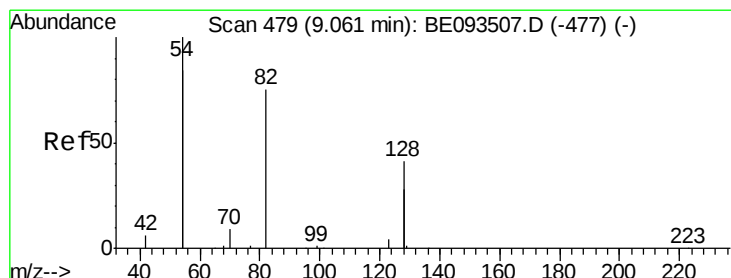
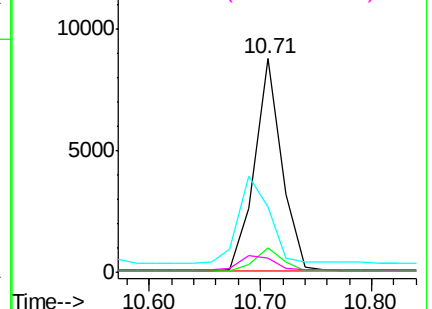
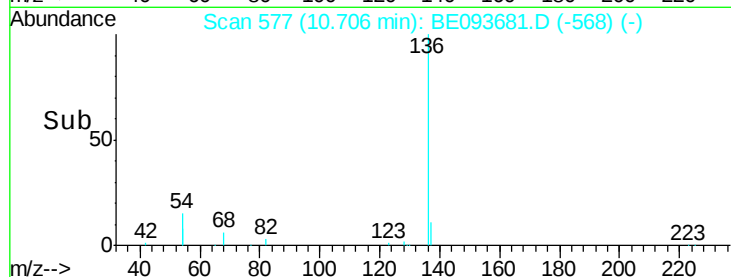


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

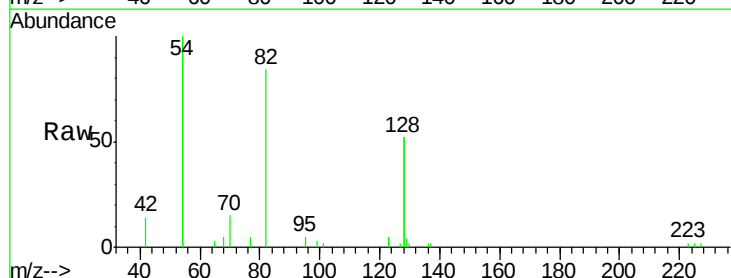
Tgt Ion: 82 Resp: 4206

Ion Ratio Lower Upper

82 100

128 123.1 17.0 25.4#

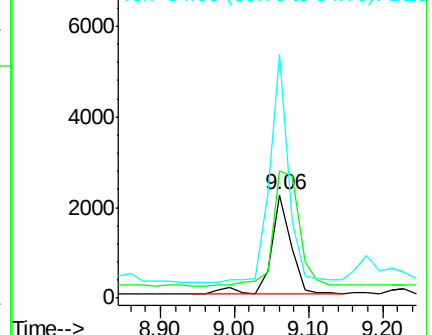
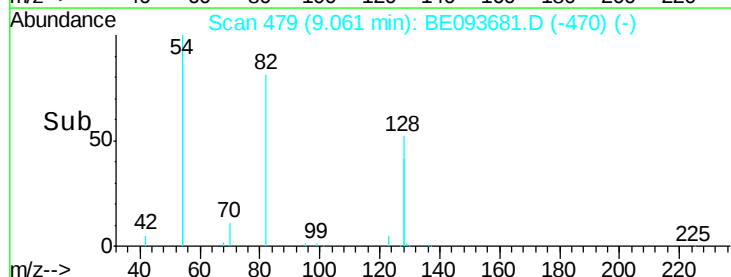
54 236.7 53.8 80.6#

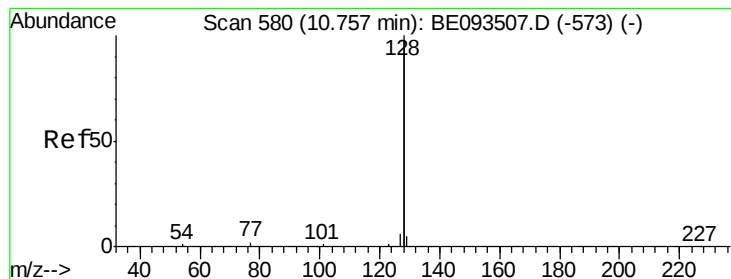


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.269 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

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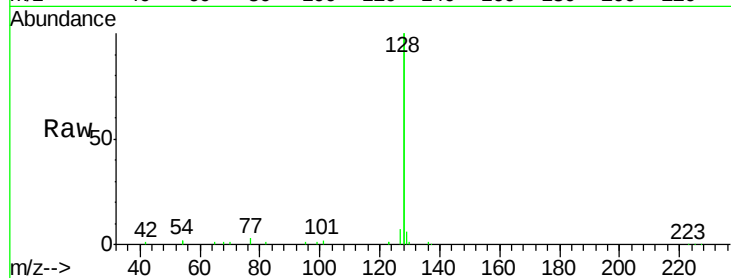
Tgt Ion:128 Resp: 46272

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

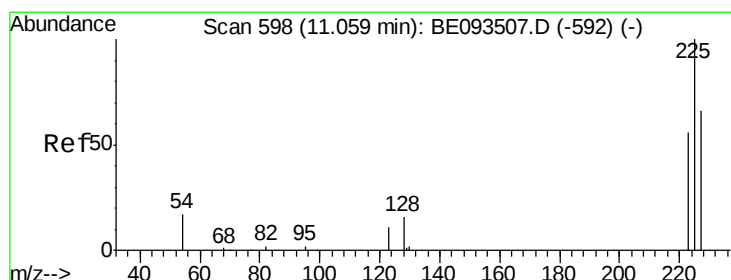
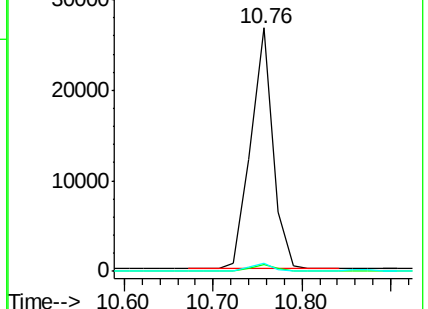
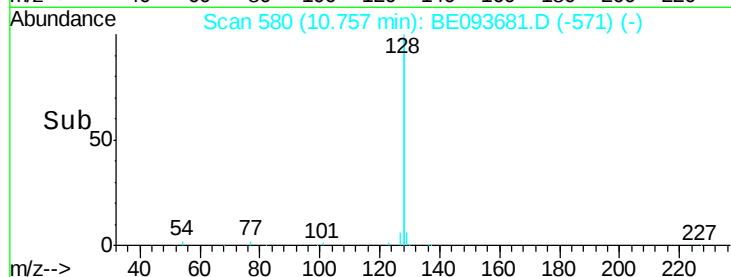
127 3.3 2.4 3.6



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: 0.220 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.02 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

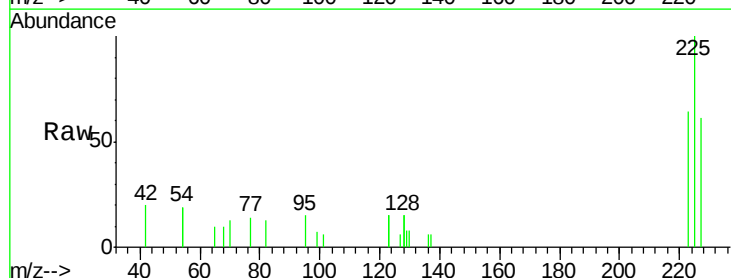
Tgt Ion:225 Resp: 1400

Ion Ratio Lower Upper

225 100

223 61.5 49.7 74.5

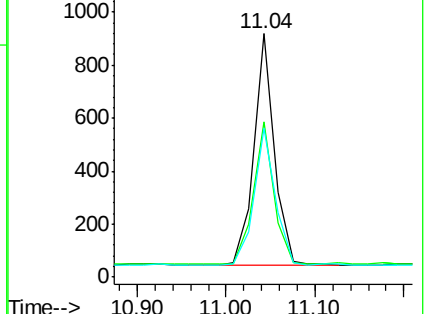
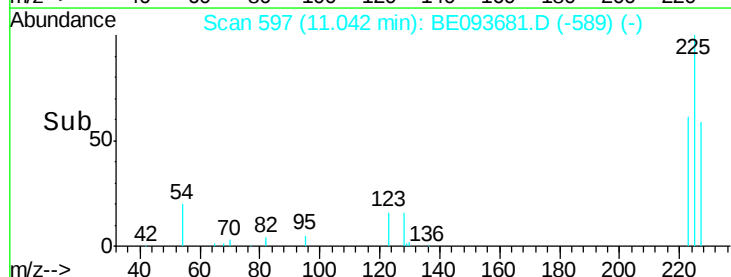
227 62.0 50.3 75.5

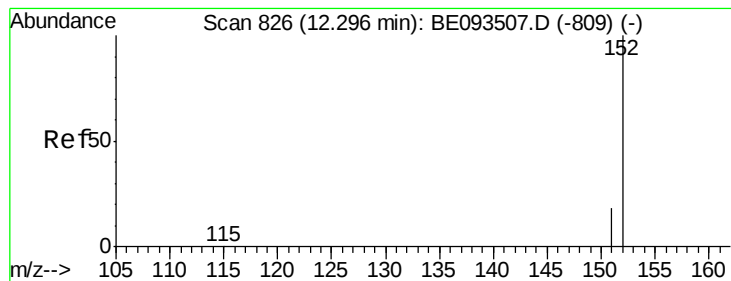


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.267 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

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ClientSampleId :

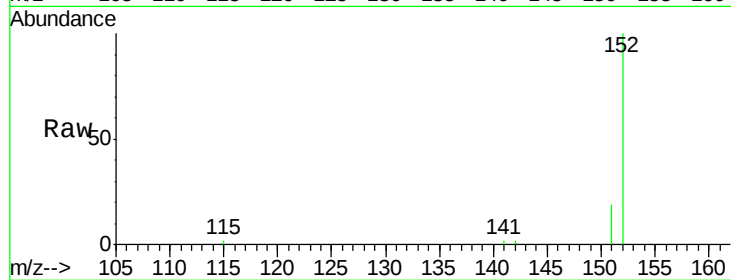
LASB-13A-1MS

Tgt Ion:152 Resp: 6267

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.29

4000

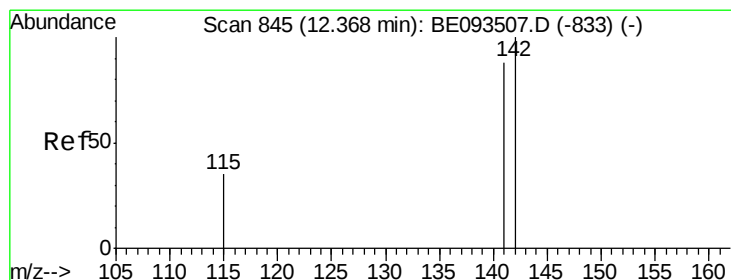
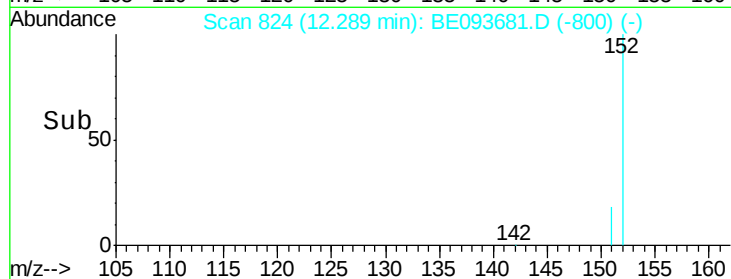
3000

2000

1000

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.255 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

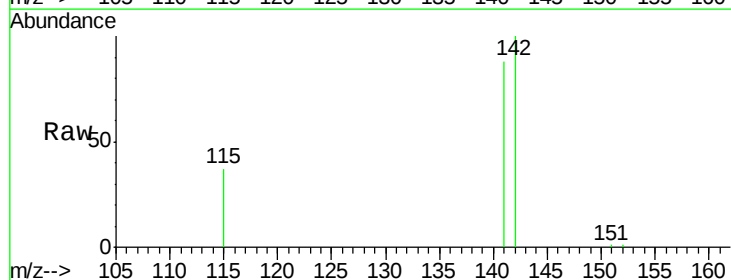
Tgt Ion:142 Resp: 7238

Ion Ratio Lower Upper

142 100

141 88.0 72.6 108.8

115 37.3 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

12.36

6000

5000

4000

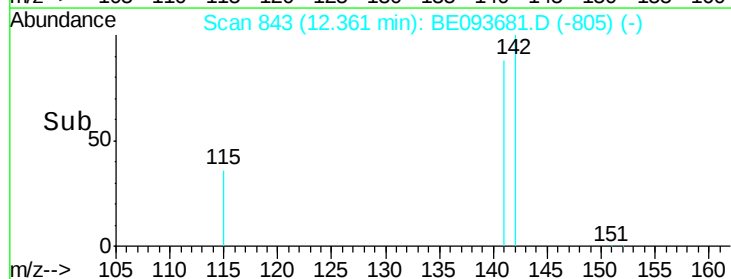
3000

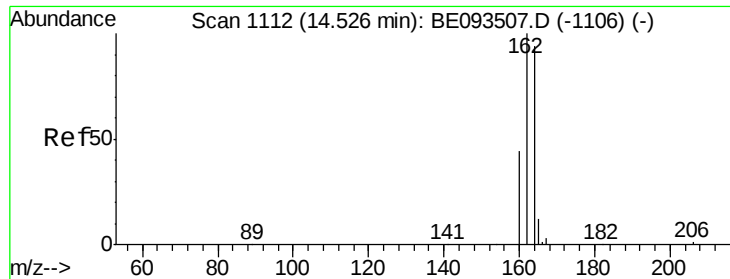
2000

1000

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

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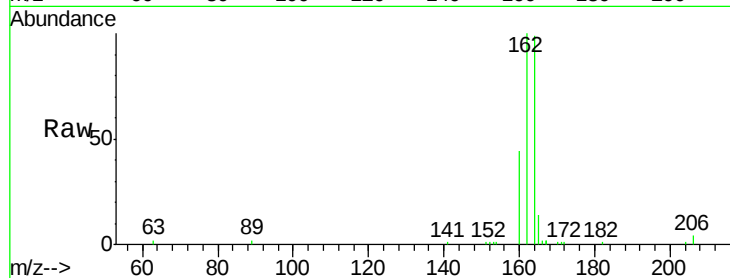
Tgt Ion:164 Resp: 8686

Ion Ratio Lower Upper

164 100

162 101.2 84.6 127.0

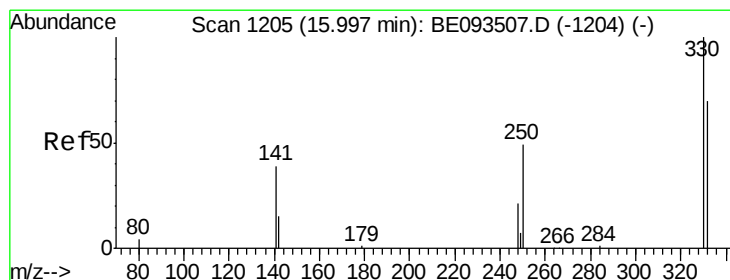
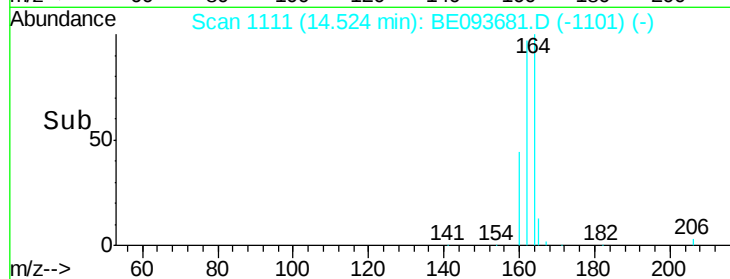
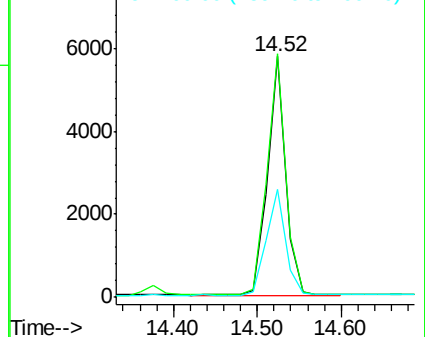
160 44.8 41.8 62.6



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: 0.462 ng

RT: 16.00 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

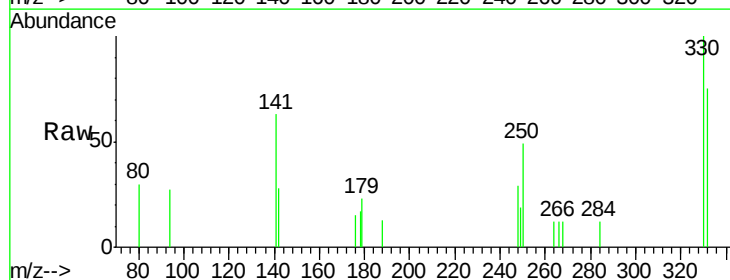
Tgt Ion:330 Resp: 925

Ion Ratio Lower Upper

330 100

332 85.6 77.7 116.5

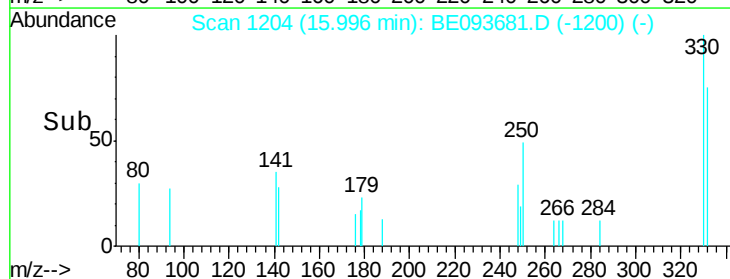
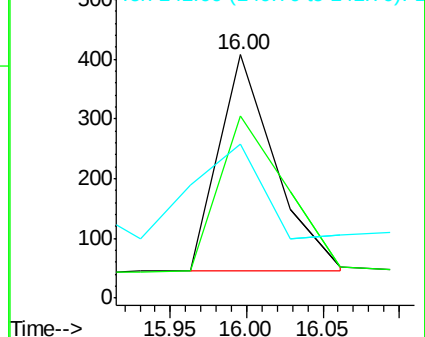
141 52.9 56.2 84.4#

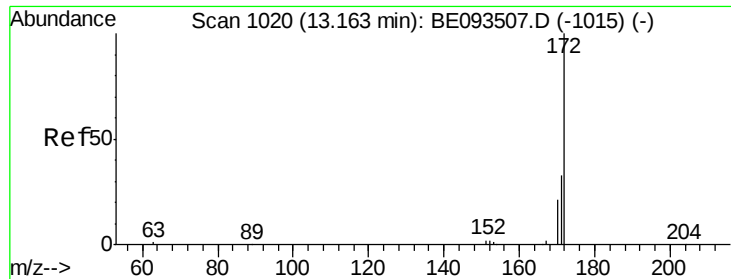


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

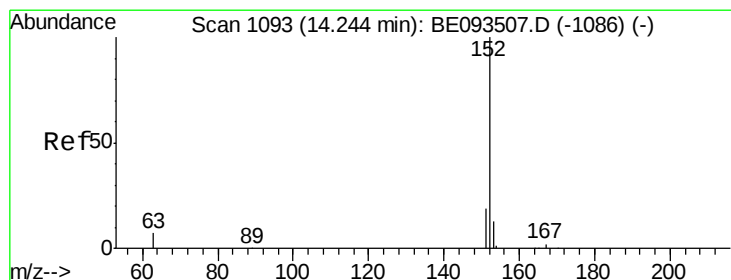
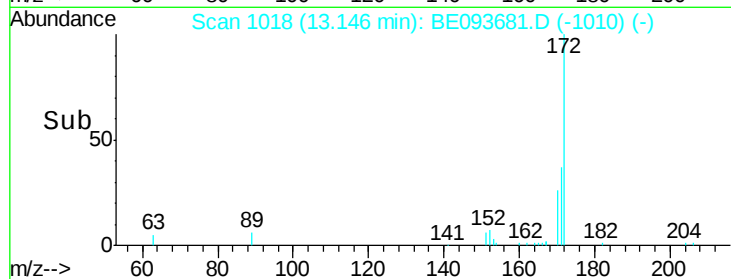
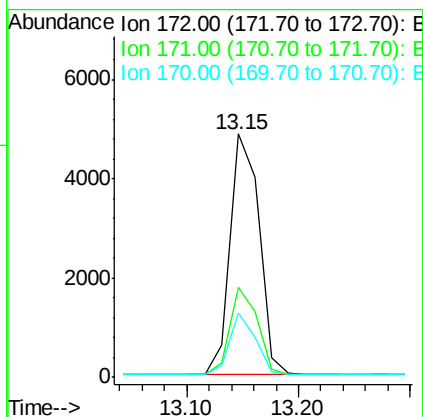
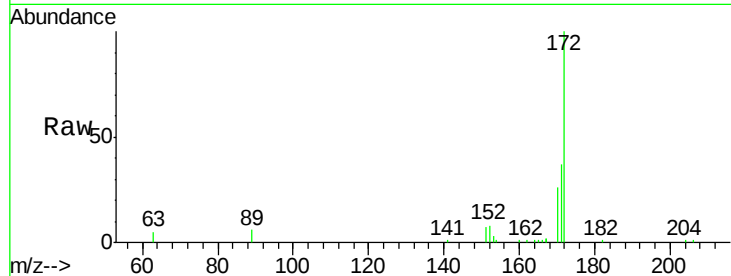




#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BE093681.D
Acq: 5 Aug 2017 18:52

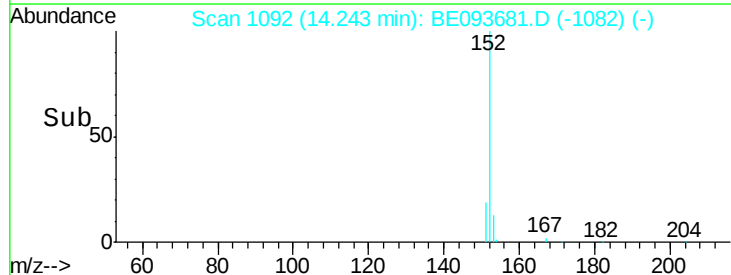
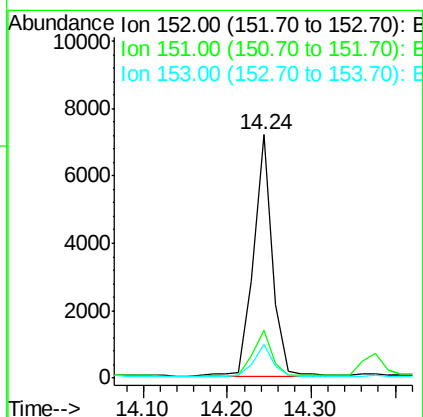
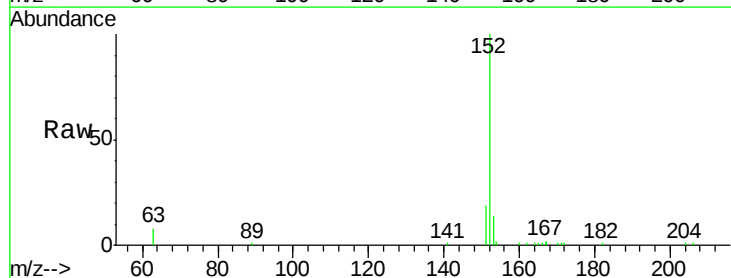
Instrument :
BNA_E
ClientSampleId :
LASB-13A-1MS

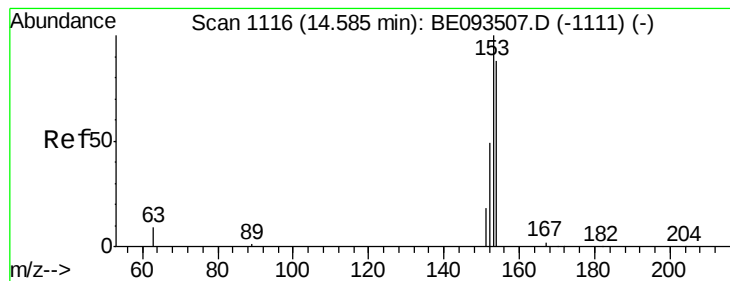
Tgt Ion:172 Resp: 8795
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 26.3 20.7 31.1



#16
Acenaphthylene
Concen: 0.270 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE093681.D
Acq: 5 Aug 2017 18:52

Tgt Ion:152 Resp: 11209
Ion Ratio Lower Upper
152 100
151 19.2 4.0 6.0#
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.243 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

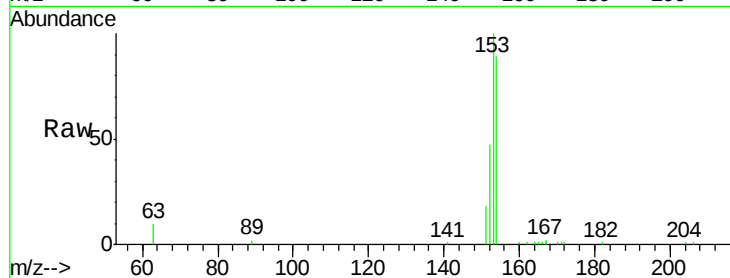
Tgt Ion:154 Resp: 7129

Ion Ratio Lower Upper

154 100

153 113.5 91.2 136.8

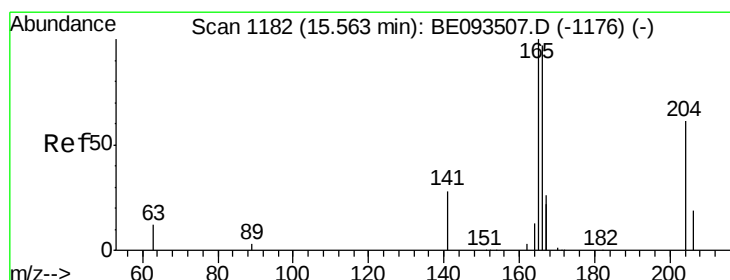
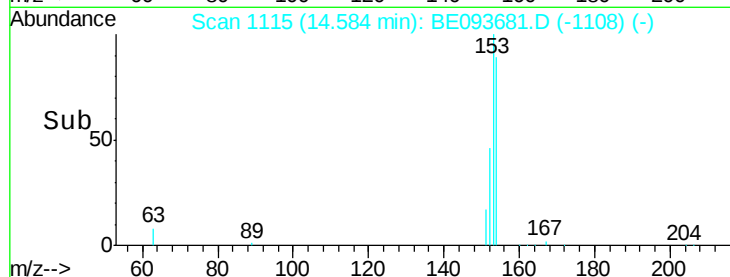
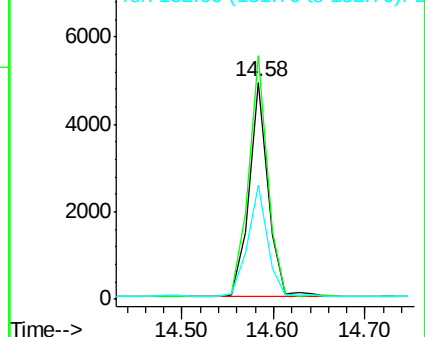
152 53.5 44.8 67.2



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: 0.232 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

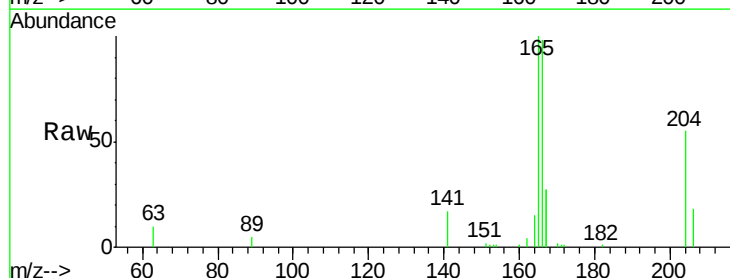
Tgt Ion:166 Resp: 9064

Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

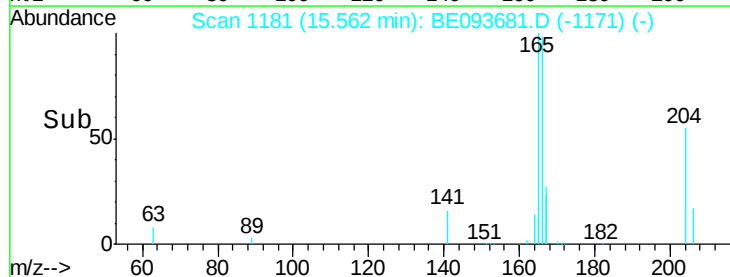
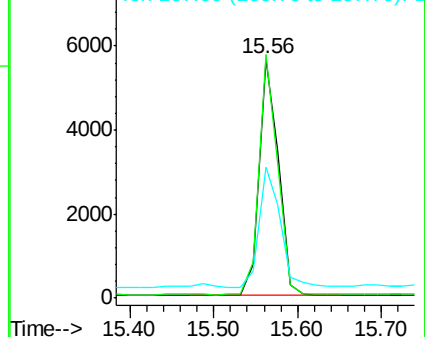
167 54.8 11.1 16.7#

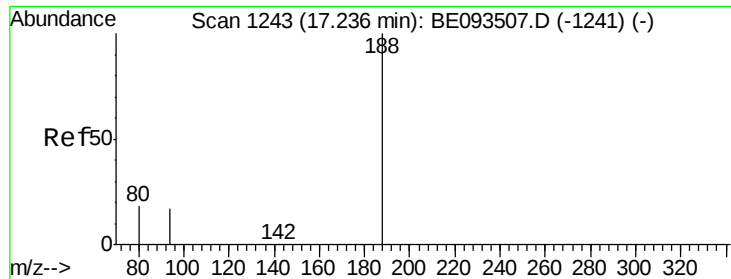


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

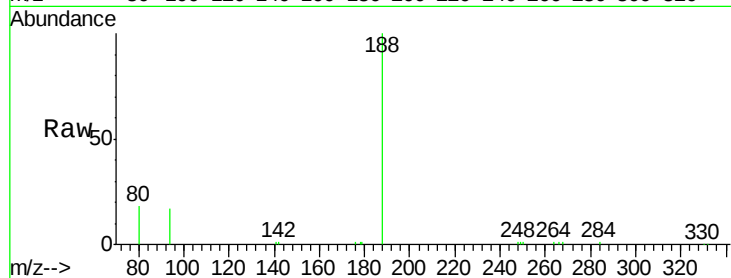
Tgt Ion:188 Resp: 19400

Ion Ratio Lower Upper

188 100

94 17.1 11.3 16.9#

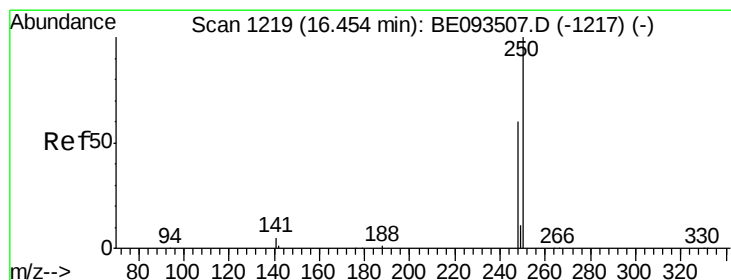
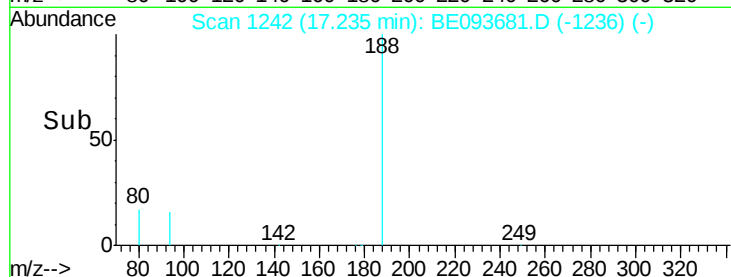
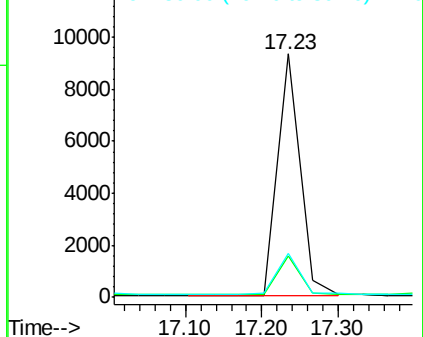
80 18.2 11.7 17.5#



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: 0.173 ng

RT: 16.45 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

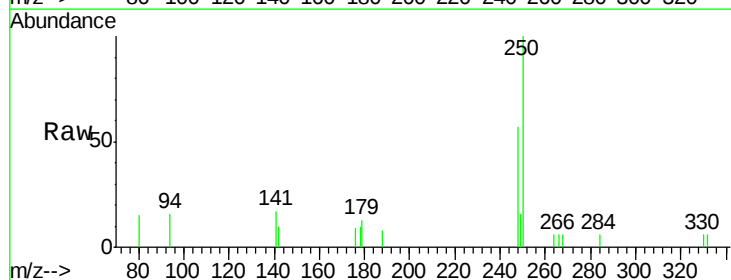
Tgt Ion:248 Resp: 1324

Ion Ratio Lower Upper

248 100

250 175.3 128.0 192.0

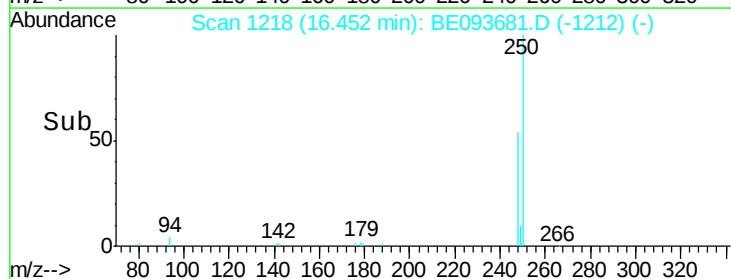
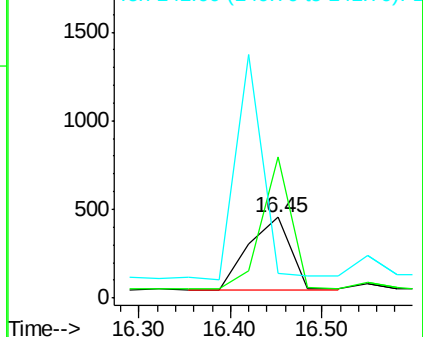
141 30.2 12.0 18.0#

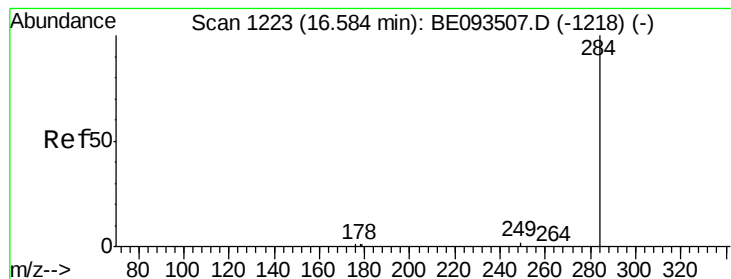


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.210 ng

RT: 16.58 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

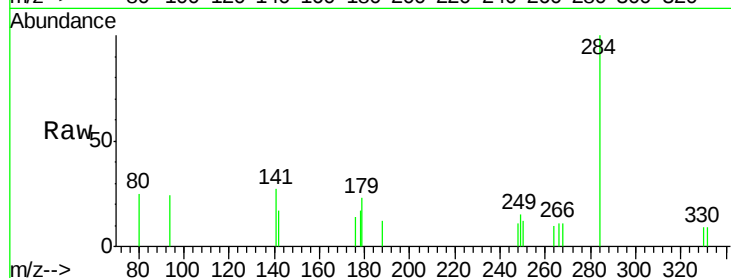
Tgt Ion: 284 Resp: 1387

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

249 0.0 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

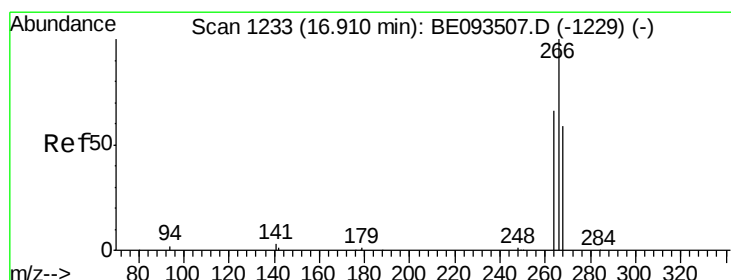
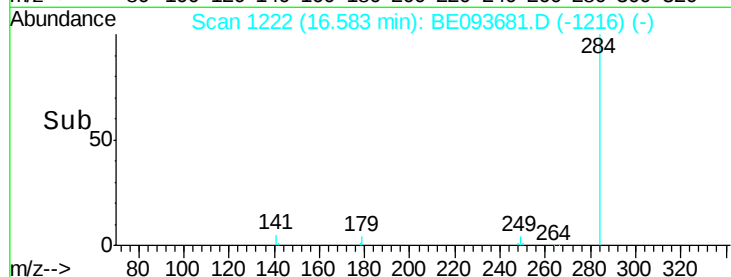
200

0

16.50 16.55 16.60

16.58

Time-->



#22

Pentachlorophenol

Concen: 0.914 ng

RT: 16.91 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

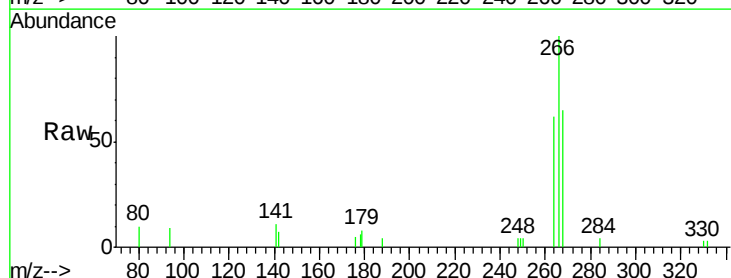
Tgt Ion: 266 Resp: 2892

Ion Ratio Lower Upper

266 100

264 62.2 56.0 84.0

268 64.8 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

1500

1000

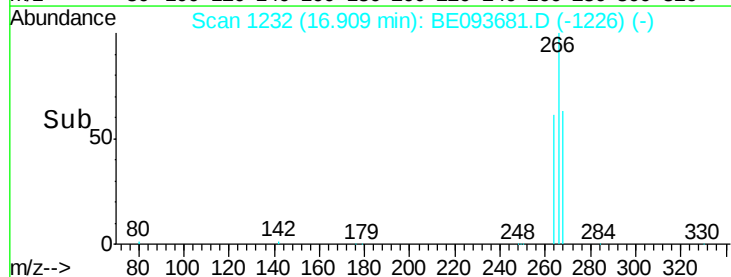
500

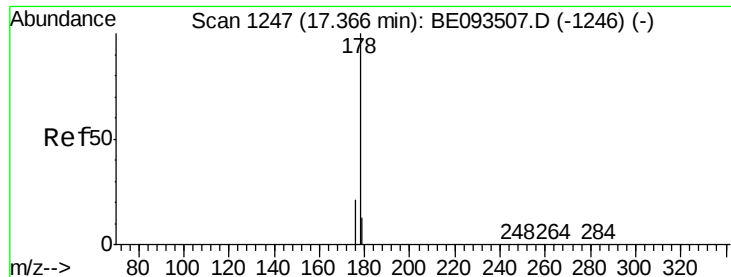
0

16.80 16.85 16.90

16.91

Time-->





#24

Anthracene

Concen: 0.471 ng

RT: 17.36 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

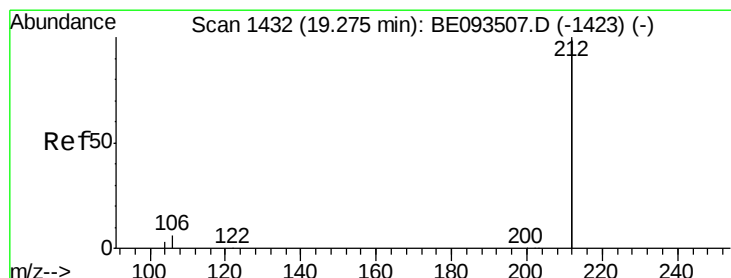
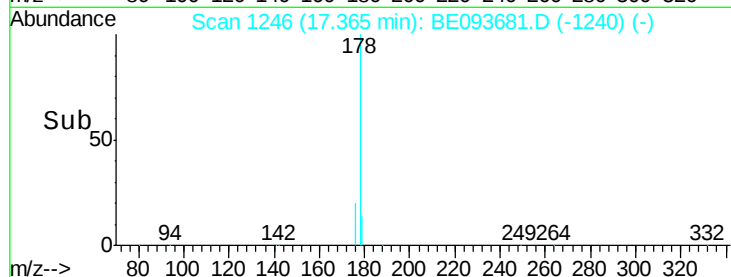
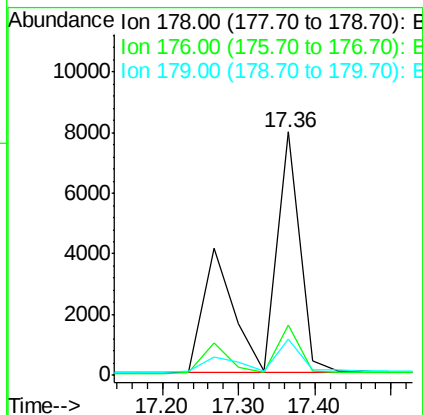
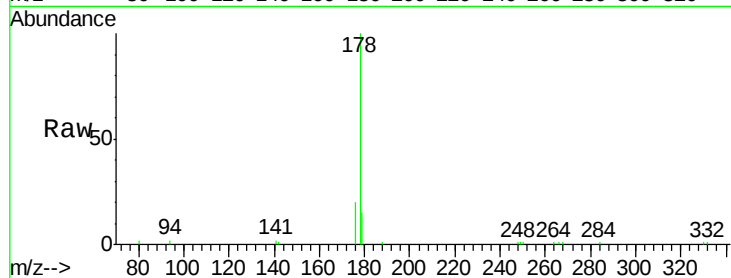
Tgt Ion:178 Resp: 27497

Ion Ratio Lower Upper

178 100

176 11.4 14.6 22.0#

179 14.3 12.0 18.0



#25

Fluoranthene-d10

Concen: 0.281 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

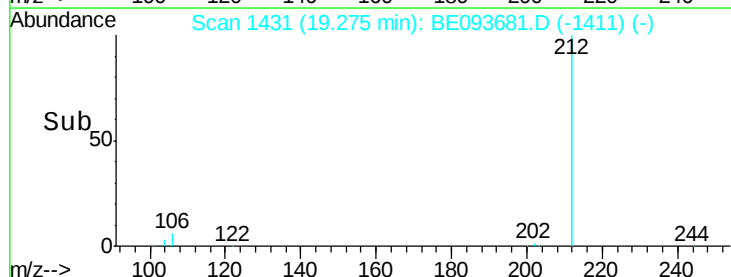
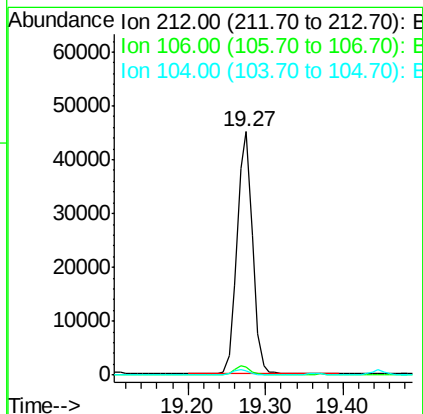
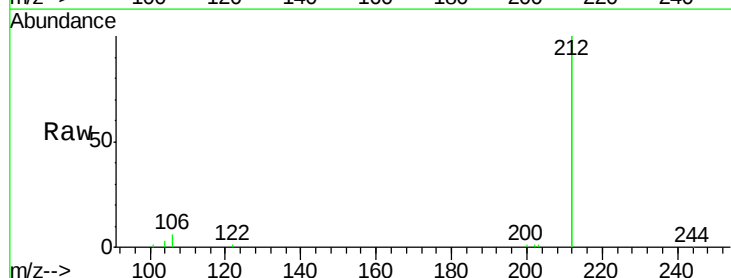
Tgt Ion:212 Resp: 61917

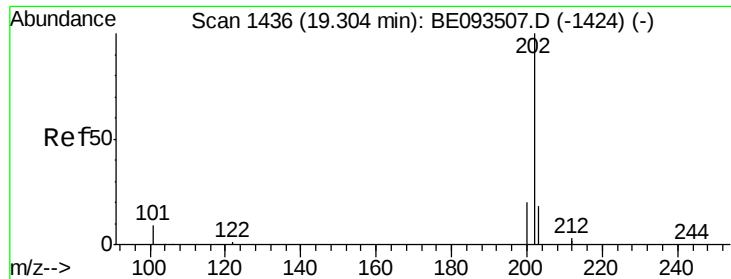
Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

104 2.0 1.6 2.4

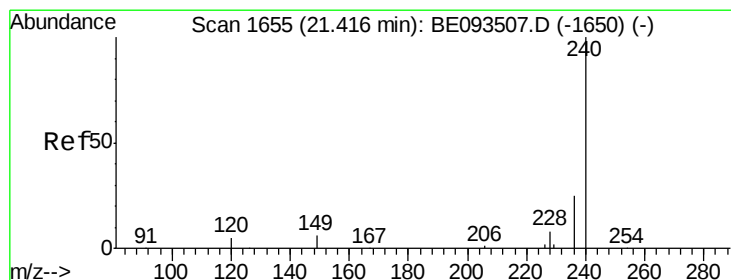
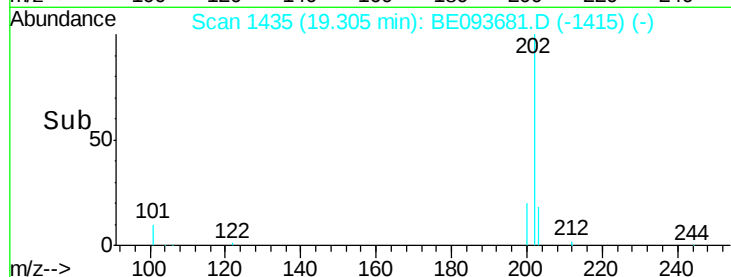
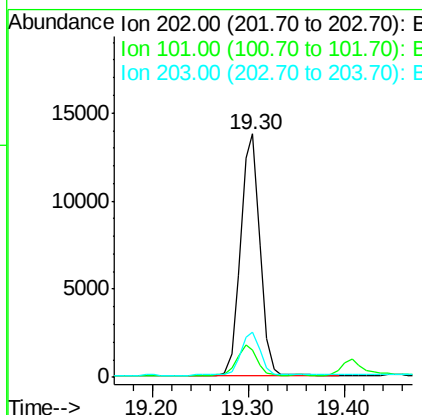
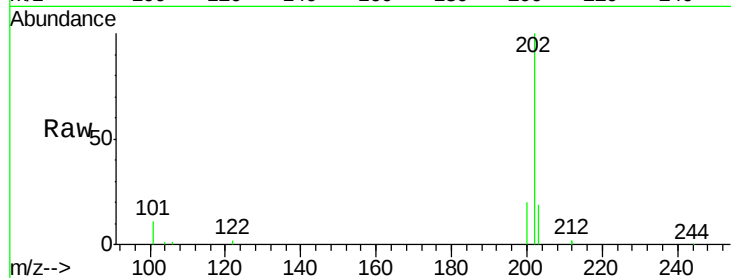




#26
 Fluoranthene
 Concen: 0.285 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

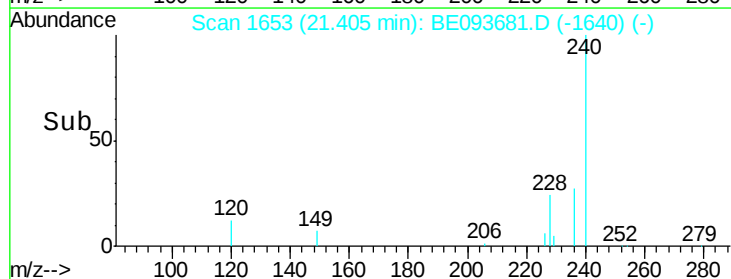
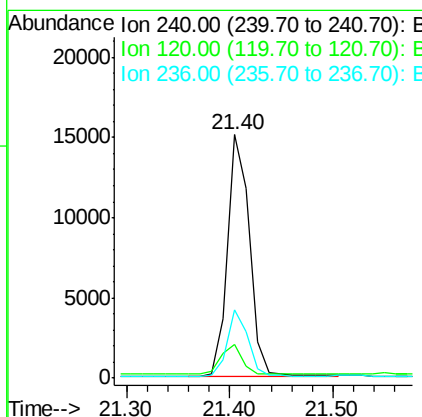
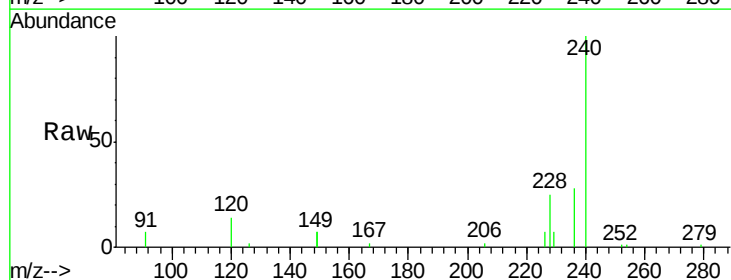
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MS

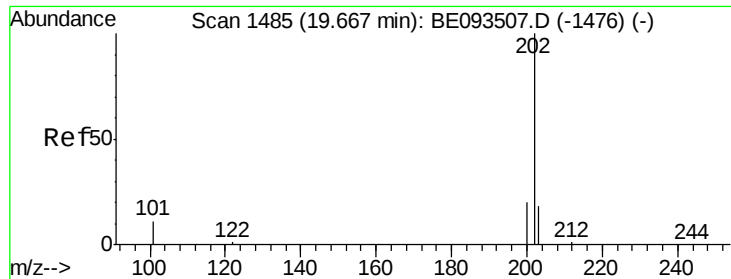
Tgt Ion: 202 Resp: 19355
 Ion Ratio Lower Upper
 202 100
 101 12.7 9.6 14.4
 203 17.1 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

Tgt Ion: 240 Resp: 22253
 Ion Ratio Lower Upper
 240 100
 120 13.7 4.6 7.0#
 236 27.8 20.8 31.2

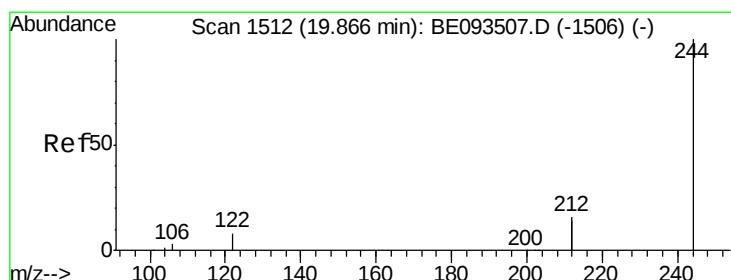
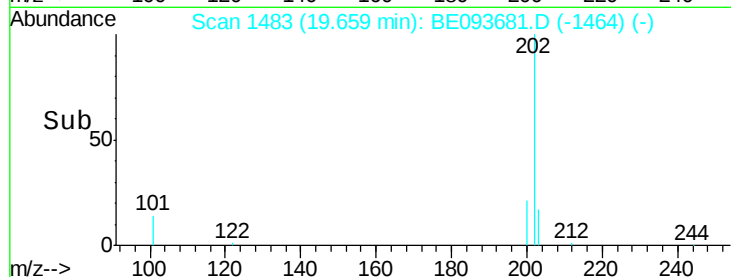
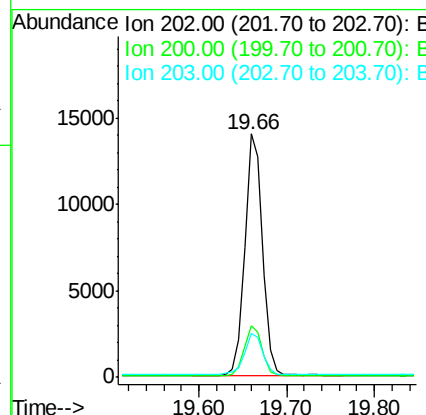
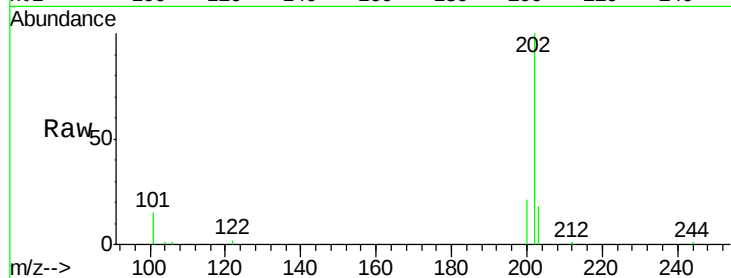




#28
 Pyrene
 Concen: 0.274 ng
 RT: 19.66 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

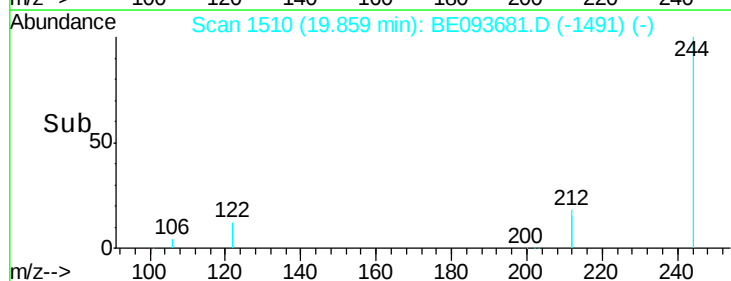
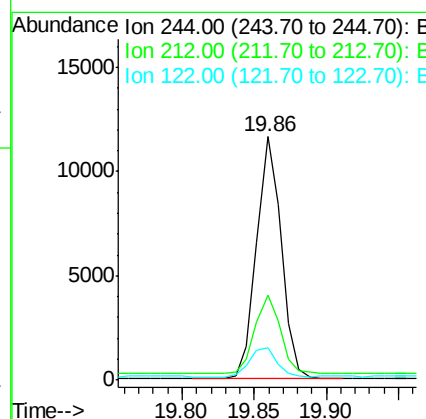
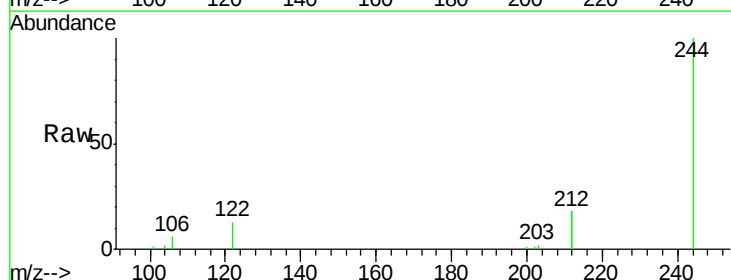
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MS

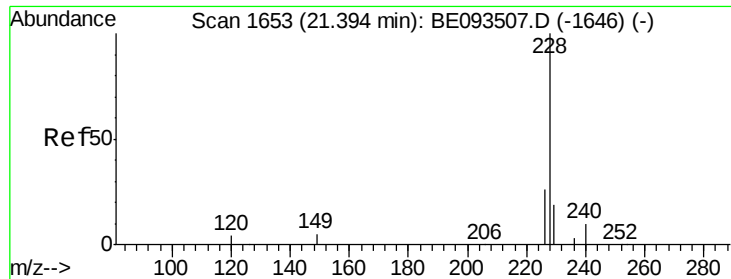
Tgt Ion: 202 Resp: 19679
 Ion Ratio Lower Upper
 202 100
 200 20.8 0.0 0.0#
 203 18.3 13.7 20.5



#29
 Terphenyl-d14
 Concen: 0.350 ng
 RT: 19.86 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

Tgt Ion: 244 Resp: 13975
 Ion Ratio Lower Upper
 244 100
 212 35.0 10.6 16.0#
 122 13.4 15.4 23.0#





#30

Benzo(a)anthracene

Concen: 0.261 ng

RT: 21.39 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

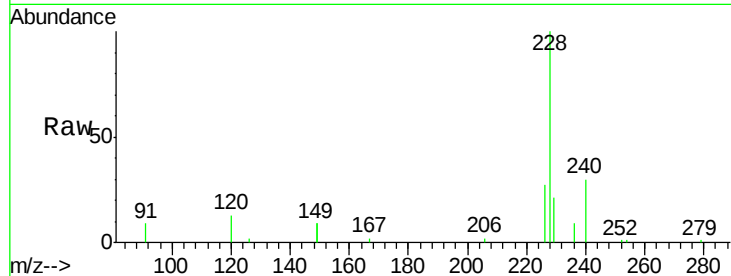
Tgt Ion:228 Resp: 17080

Ion Ratio Lower Upper

228 100

226 26.9 19.7 29.5

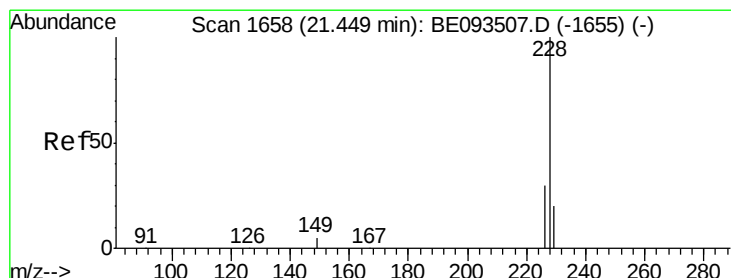
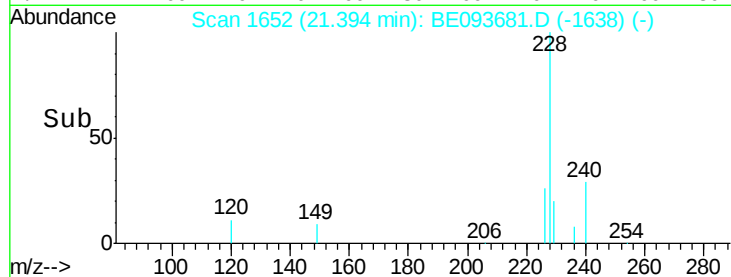
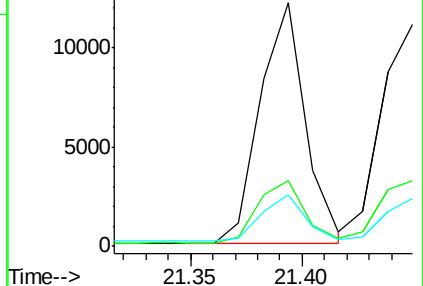
229 21.5 19.2 28.8



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: 0.225 ng

RT: 21.45 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

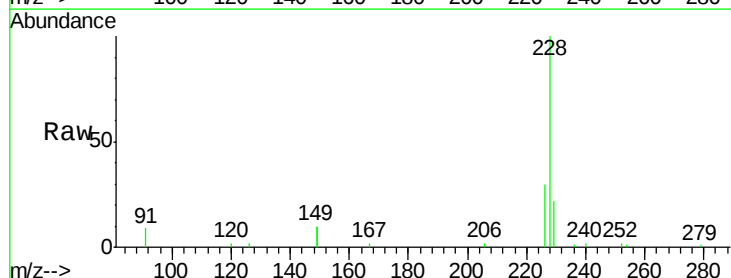
Tgt Ion:228 Resp: 16393

Ion Ratio Lower Upper

228 100

226 29.6 21.5 32.3

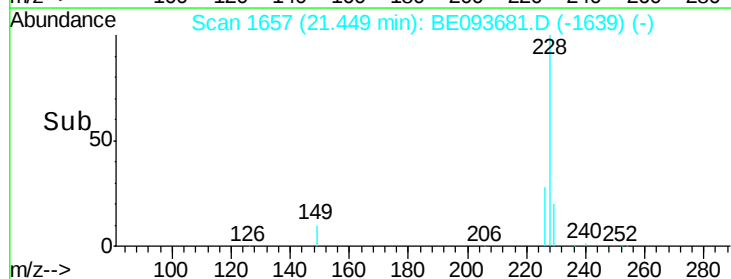
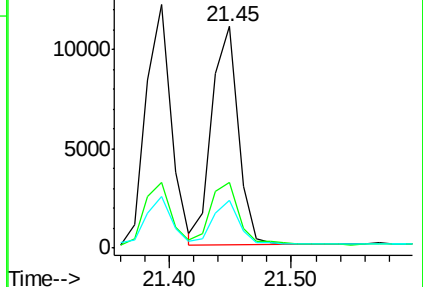
229 21.9 18.6 28.0

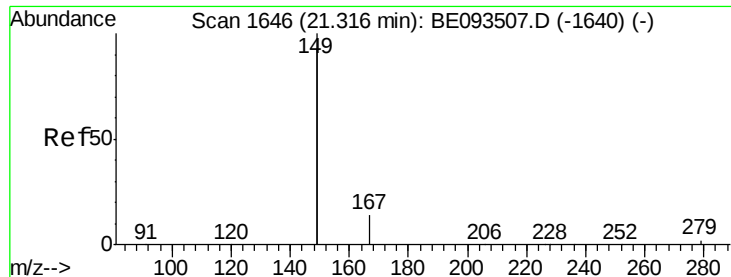


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

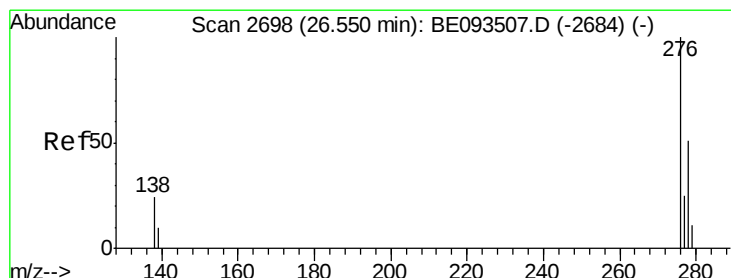
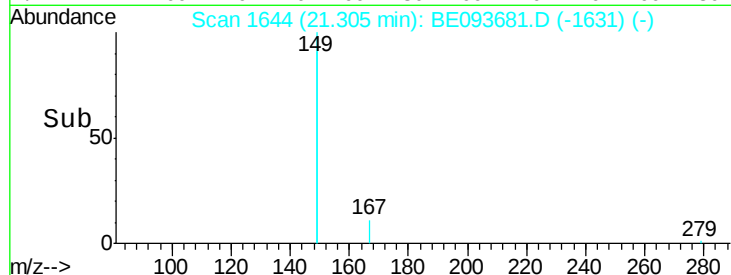
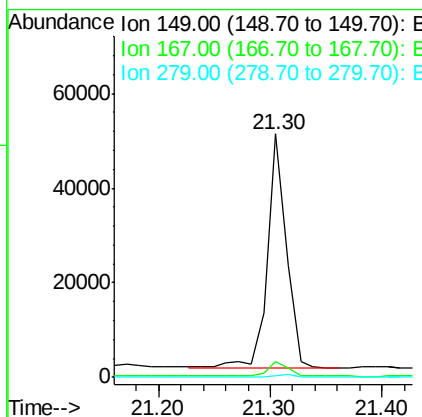
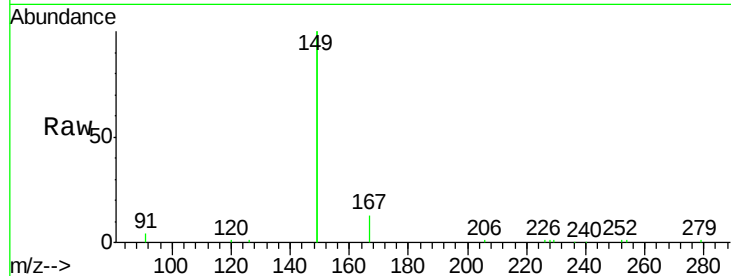




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.658 ng
 RT: 21.30 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

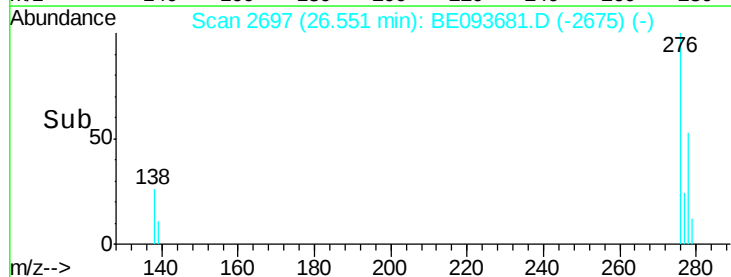
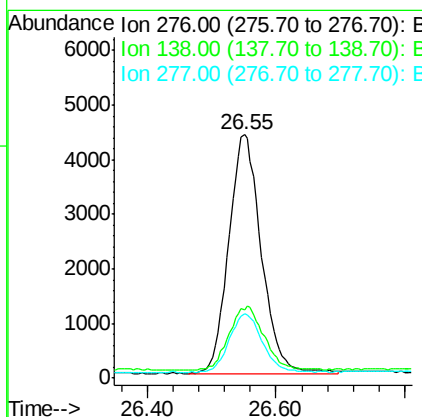
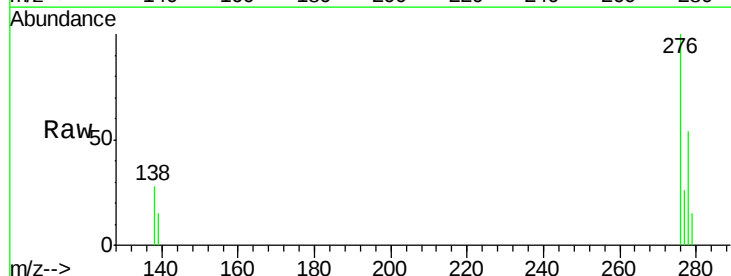
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MS

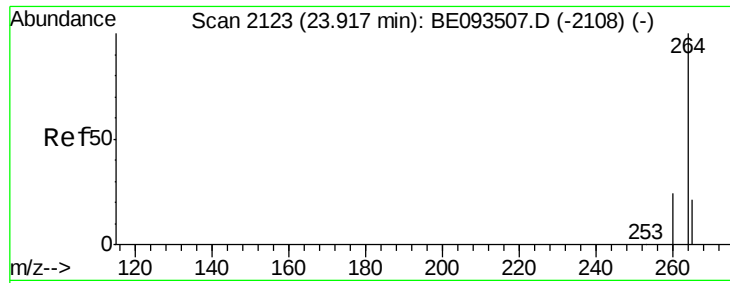
Tgt Ion:149 Resp: 58656
 Ion Ratio Lower Upper
 149 100
 167 6.7 4.8 7.2
 279 0.9 0.8 1.2



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.234 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. 0.00 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

Tgt Ion:276 Resp: 15444
 Ion Ratio Lower Upper
 276 100
 138 28.4 27.4 41.2
 277 24.9 20.1 30.1

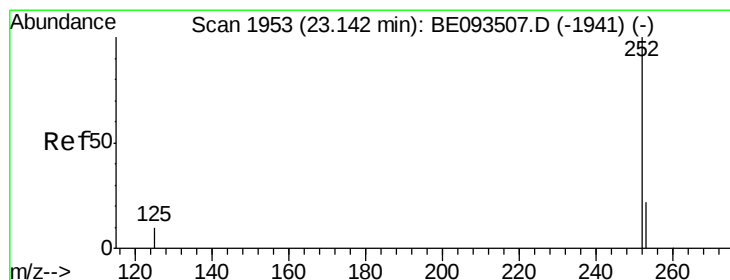
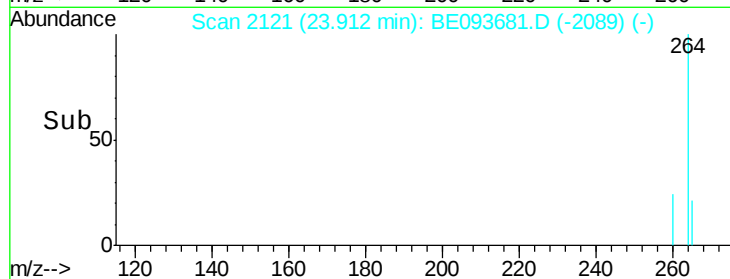
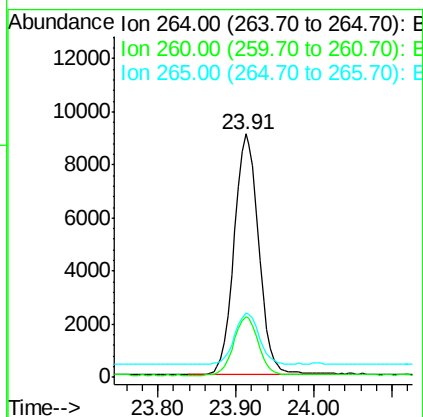
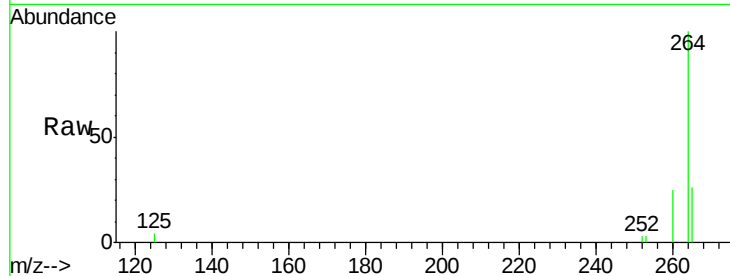




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

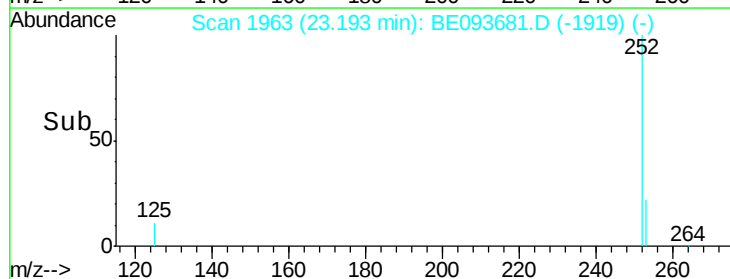
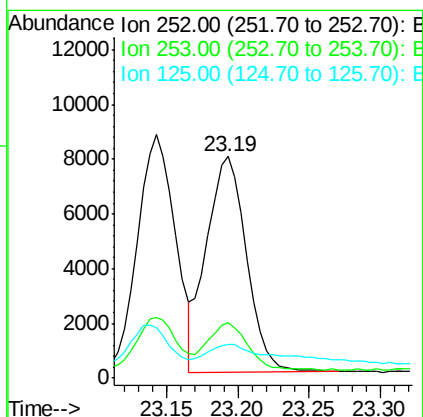
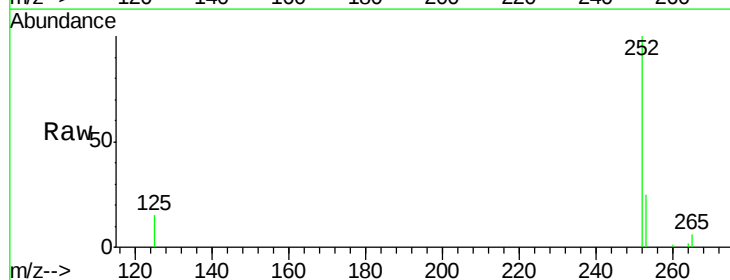
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MS

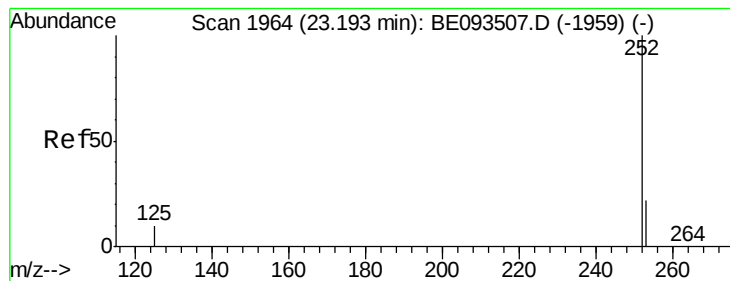
Tgt Ion:264 Resp: 19979
 Ion Ratio Lower Upper
 264 100
 260 25.1 21.0 31.4
 265 26.4 24.6 36.8



#35
Benzo(b)fluoranthene
 Concen: 0.214 ng
 RT: 23.19 min Scan# 1963
 Delta R.T. 0.05 min
 Lab File: BE093681.D
 Acq: 5 Aug 2017 18:52

Tgt Ion:252 Resp: 15269
 Ion Ratio Lower Upper
 252 100
 253 24.9 18.5 27.7
 125 15.2 13.4 20.0





#36

Benzo(k)fluoranthene

Concen: 0.211 ng

RT: 23.19 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

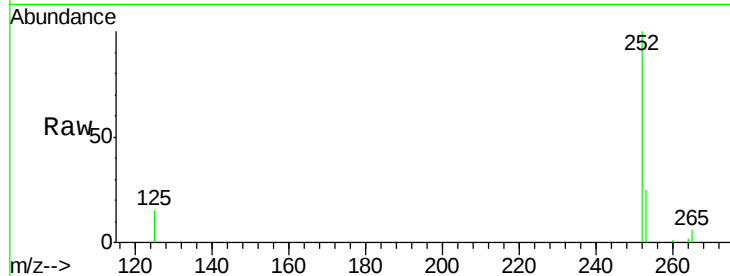
Tgt Ion:252 Resp: 15387

Ion Ratio Lower Upper

252 100

253 24.9 20.3 30.5

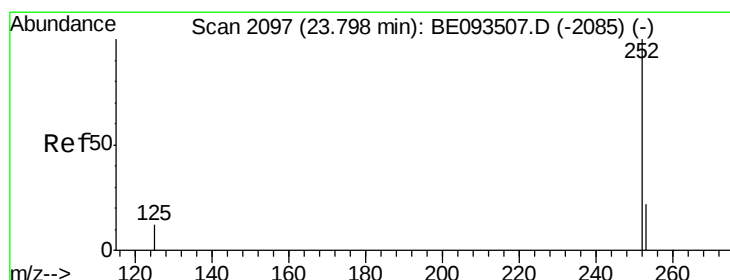
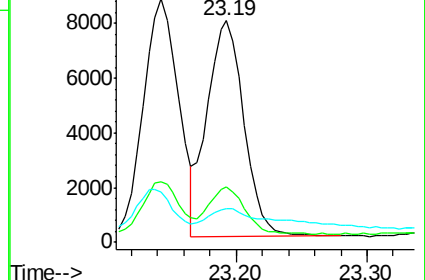
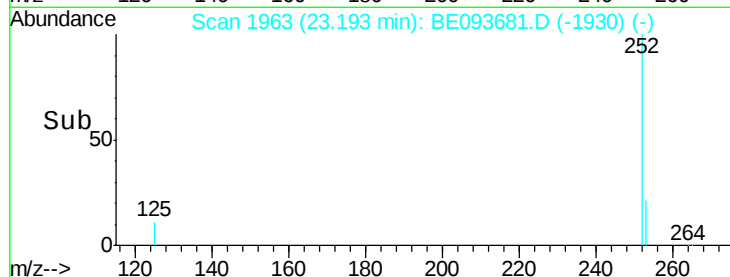
125 15.2 12.2 18.4



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: 0.224 ng

RT: 23.80 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

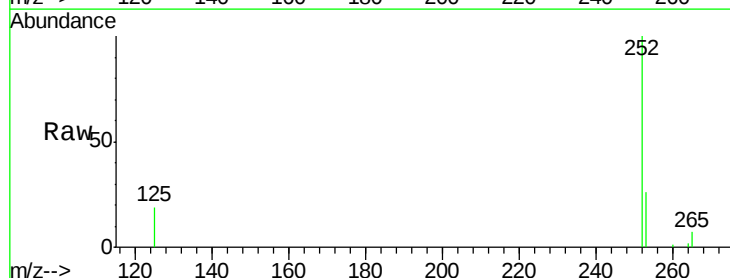
Tgt Ion:252 Resp: 14500

Ion Ratio Lower Upper

252 100

253 25.7 19.9 29.9

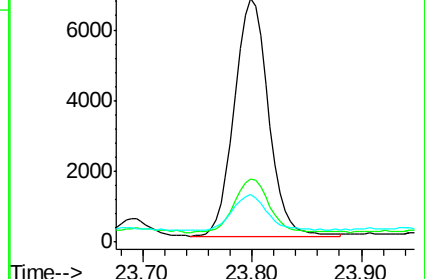
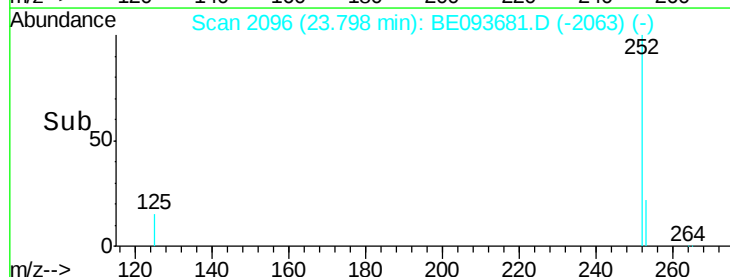
125 19.4 14.6 21.8

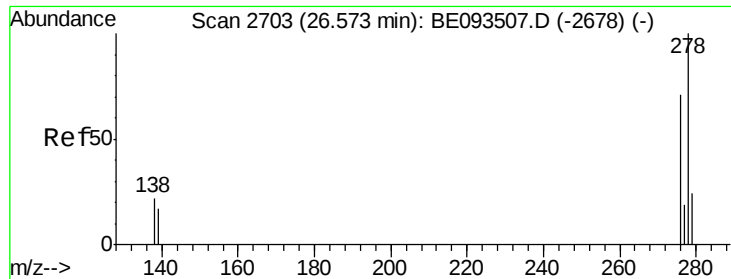


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.197 ng

RT: 26.57 min Scan# 2702

Delta R.T. 0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MS

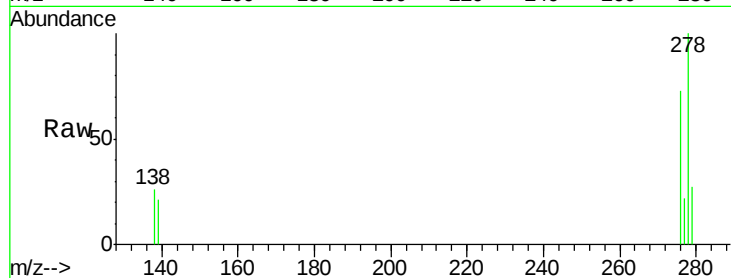
Tgt Ion:278 Resp: 12263

Ion Ratio Lower Upper

278 100

139 21.4 21.4 32.0

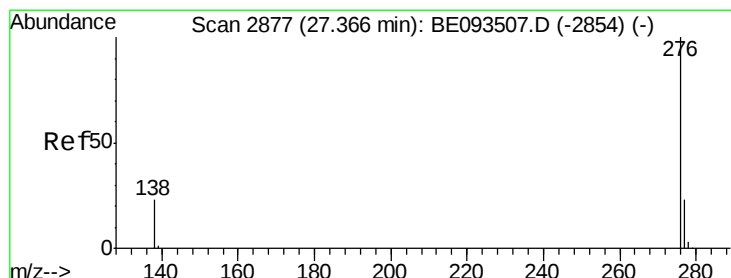
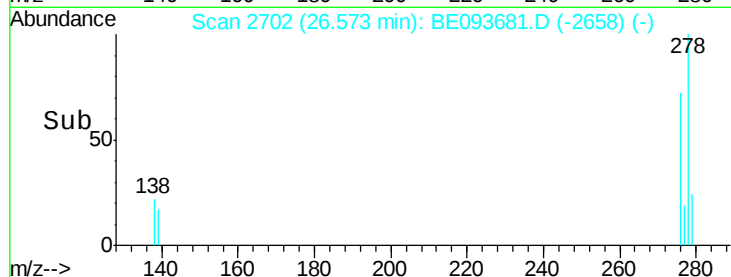
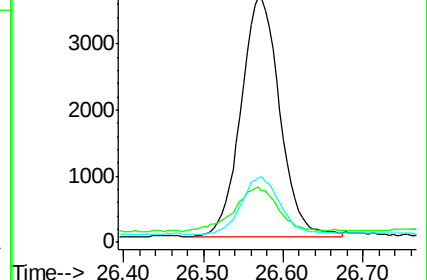
279 27.1 22.2 33.2



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: 0.205 ng

RT: 27.36 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BE093681.D

Acq: 5 Aug 2017 18:52

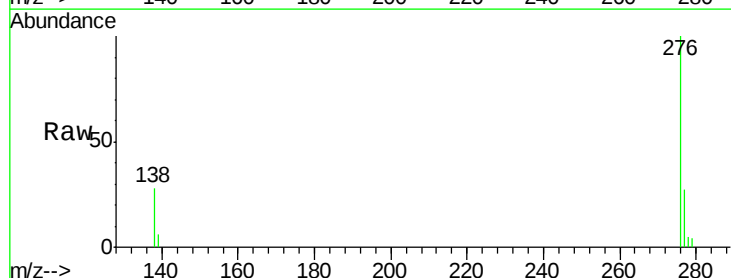
Tgt Ion:276 Resp: 12980

Ion Ratio Lower Upper

276 100

277 26.9 21.2 31.8

138 27.8 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

