

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093682.D
 Acq On : 5 Aug 2017 19:31
 Operator : SJ/JU
 Sample : I4427-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 06 02:44:52 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	3140	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	15442	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	8951	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	20773	0.40	ng	0.00
27) Chrysene-d12	21.41	240	23417	0.40	ng	-0.01
34) Perylene-d12	23.91	264	20476	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	3361	0.36	ng	0.00
5) Phenol-d6	7.09	99	5097	0.36	ng	0.00
8) Nitrobenzene-d5	9.06	82	4443	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	6504	0.27	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	964	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	9172	0.26	ng	-0.02
25) Fluoranthene-d10	19.28	212	62052	0.26	ng	0.00
29) Terphenyl-d14	19.86	244	14194	0.34	ng	0.00

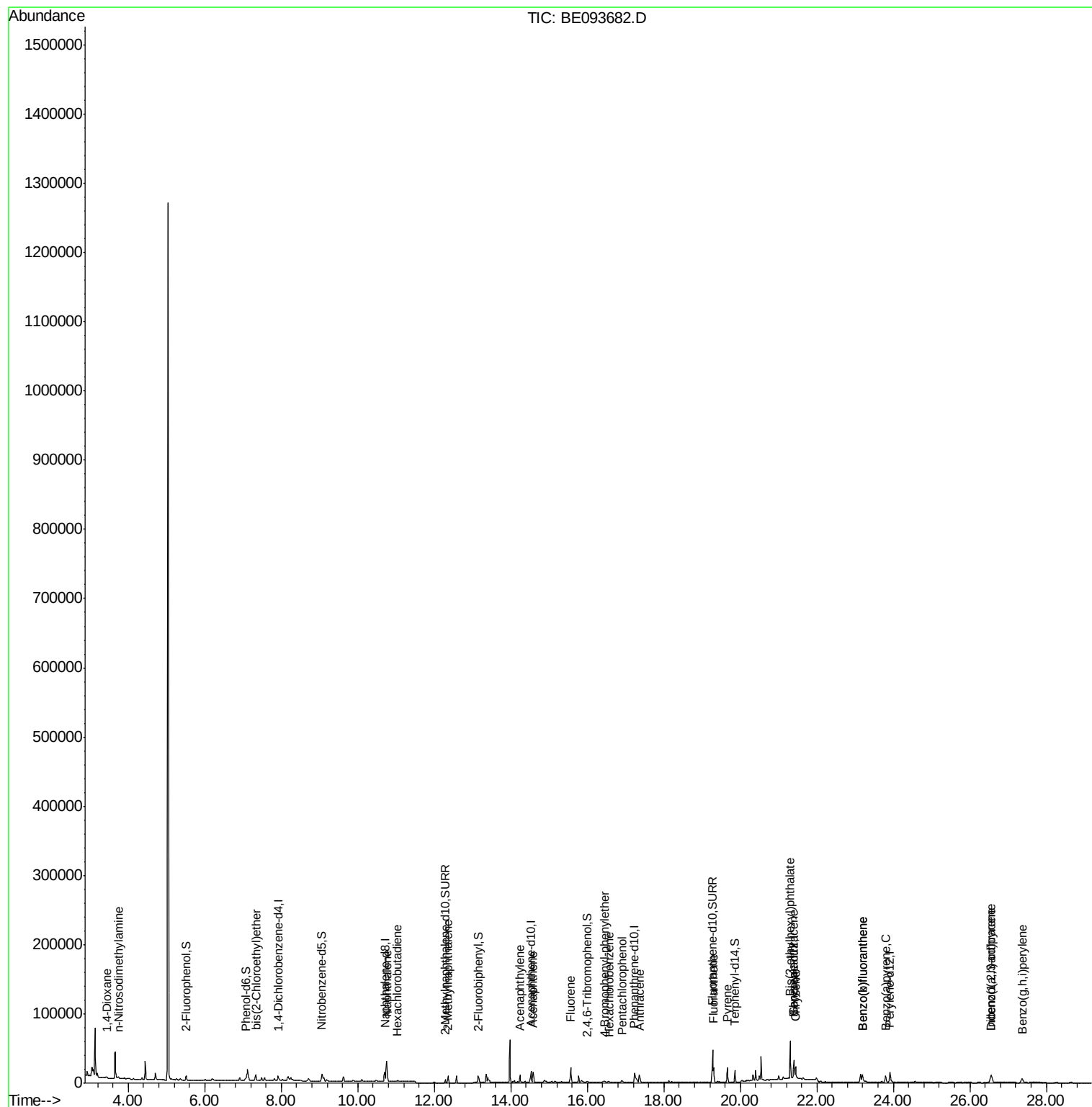
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	1165	0.229	ng	# 25
3) n-Nitrosodimethylamine	3.74	42	1817	0.381	ng	# 90
6) bis(2-Chloroethyl)ether	7.34	93	3489	0.295	ng	# 90
9) Naphthalene	10.76	128	47147	0.264	ng	100
10) Hexachlorobutadiene	11.04	225	1405	0.212	ng	97
12) 2-Methylnaphthalene	12.36	142	7517	0.254	ng	98
16) Acenaphthylene	14.24	152	11659	0.273	ng	# 87
17) Acenaphthene	14.58	154	7400	0.245	ng	97
18) Fluorene	15.56	166	9550	0.237	ng	# 87
20) 4-Bromophenyl-phenylether	16.45	248	1383	0.166	ng	# 84
21) Hexachlorobenzene	16.58	284	1400	0.195	ng	# 100
22) Pentachlorophenol	16.91	266	3045	0.901	ng	95
24) Anthracene	17.37	178	28297	0.453	ng	# 91
26) Fluoranthene	19.30	202	19598	0.269	ng	99
28) Pyrene	19.66	202	19874	0.263	ng	# 97
30) Benzo(a)anthracene	21.39	228	17930	0.260	ng	94
31) Chrysene	21.45	228	16940	0.221	ng	95
32) Bis(2-ethylhexyl)phthalate	21.31	149	60163	0.641	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	15661	0.225	ng	95
35) Benzo(b)fluoranthene	23.19	252	15161	0.208	ng	98
36) Benzo(k)fluoranthene	23.19	252	15402	0.206	ng	98
37) Benzo(a)pyrene	23.80	252	14837	0.224	ng	98
38) Dibenzo(a,h)anthracene	26.57	278	12403	0.194	ng	96
39) Benzo(g,h,i)perylene	27.37	276	13310	0.205	ng	95

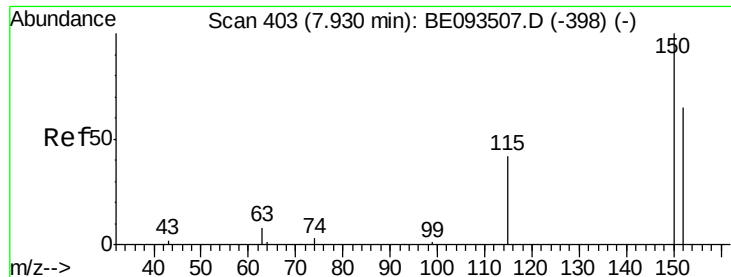
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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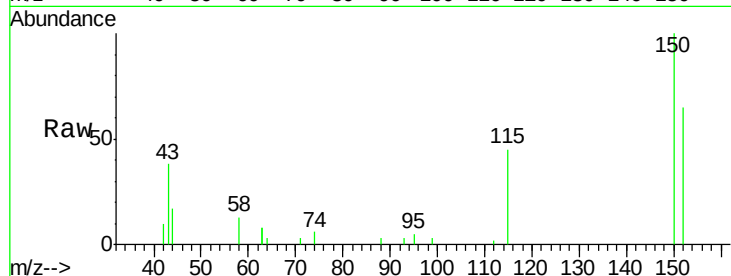


#1

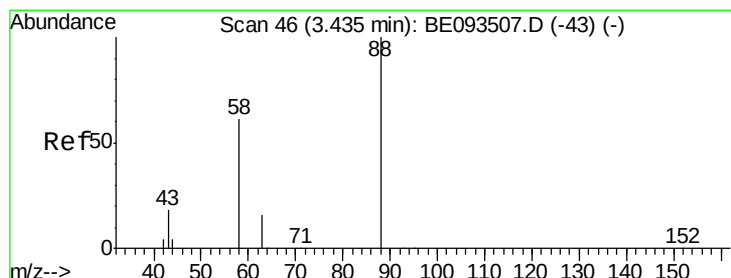
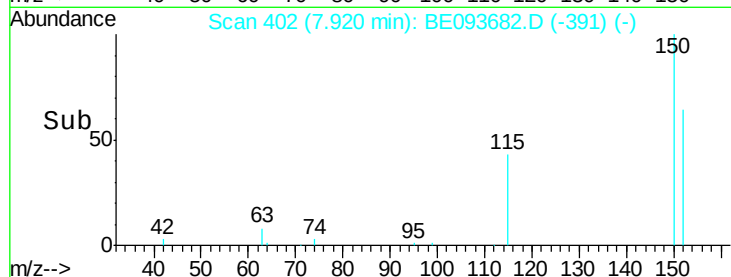
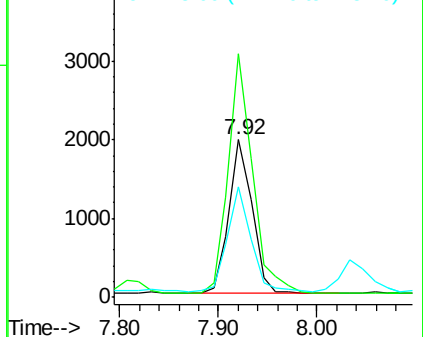
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

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

Tgt Ion:152 Resp: 3140
Ion Ratio Lower Upper
152 100
150 154.5 125.1 187.7
115 70.1 55.7 83.5



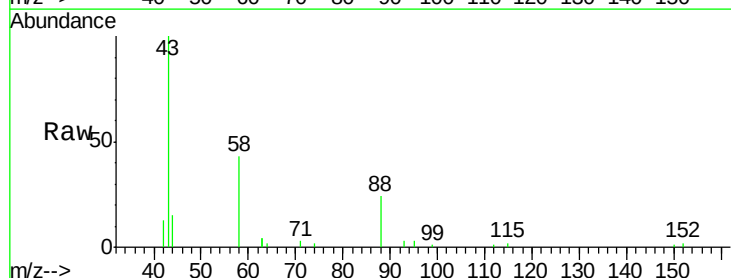
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



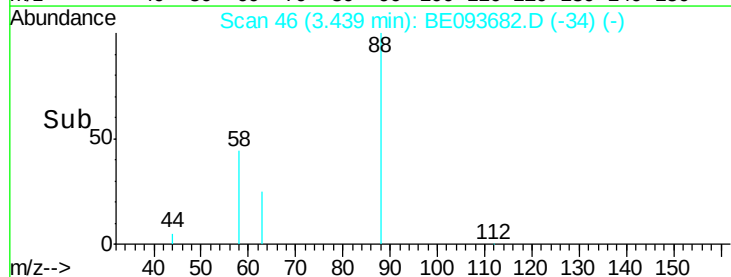
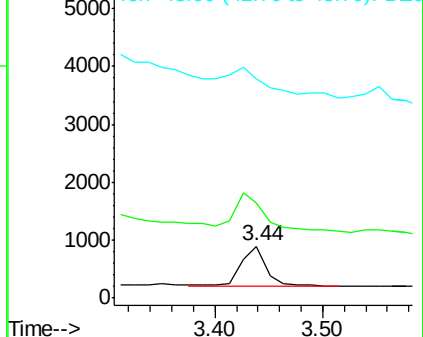
#2

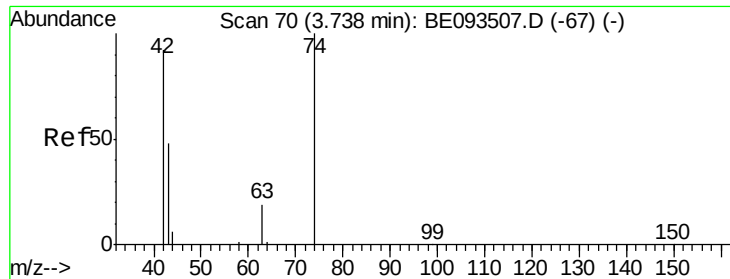
1,4-Dioxane
Concen: 0.229 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

Tgt Ion: 88 Resp: 1165
Ion Ratio Lower Upper
88 100
58 117.6 62.2 93.4#
43 111.2 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

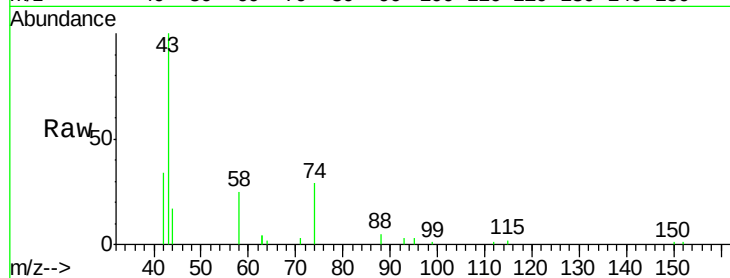




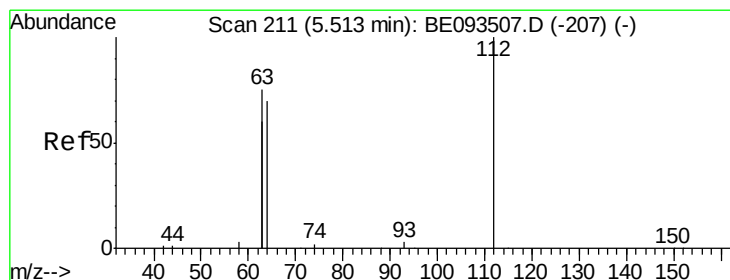
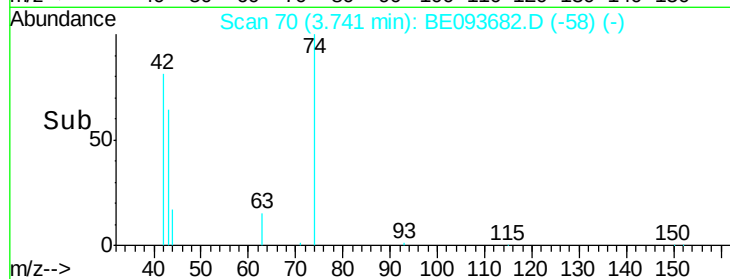
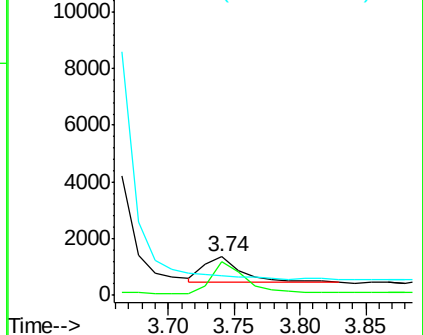
#3
 n-Nitrosodimethylamine
 Concen: 0.381 ng
 RT: 3.74 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: BE093682.D
 Acq: 5 Aug 2017 19:31

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

Tgt Ion: 42 Resp: 1817
 Ion Ratio Lower Upper
 42 100
 74 113.6 99.1 148.7
 44 0.0 7.4 11.2#

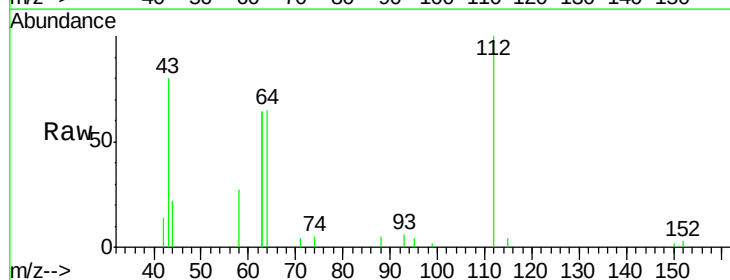


Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0

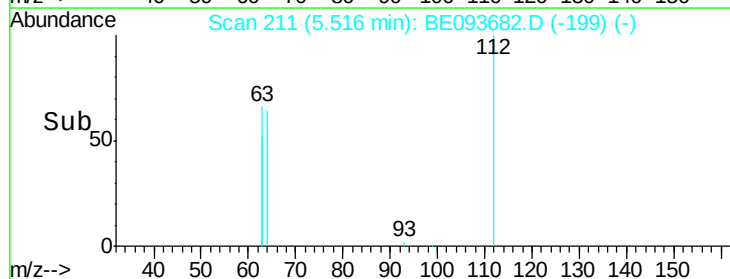
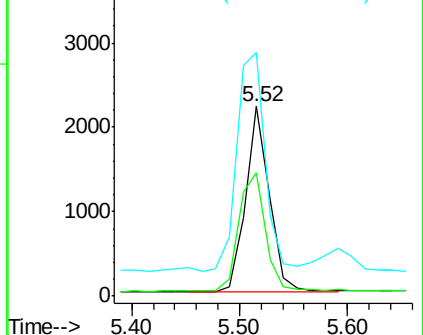


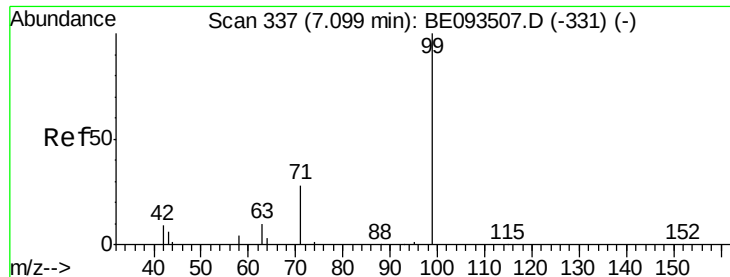
#4
 2-Fluorophenol
 Concen: 0.359 ng
 RT: 5.52 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: BE093682.D
 Acq: 5 Aug 2017 19:31

Tgt Ion: 112 Resp: 3361
 Ion Ratio Lower Upper
 112 100
 64 72.2 56.4 84.6
 63 142.8 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: 0.362 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

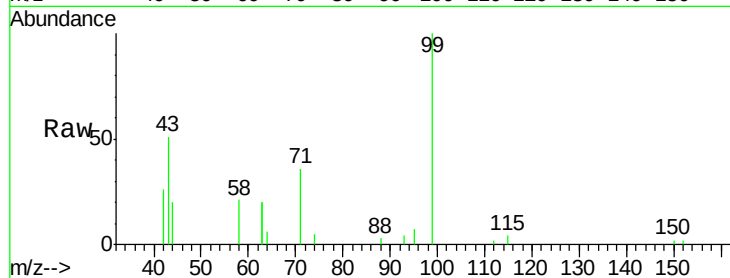
Tgt Ion: 99 Resp: 5097

Ion Ratio Lower Upper

99 100

42 38.1 0.0 0.0#

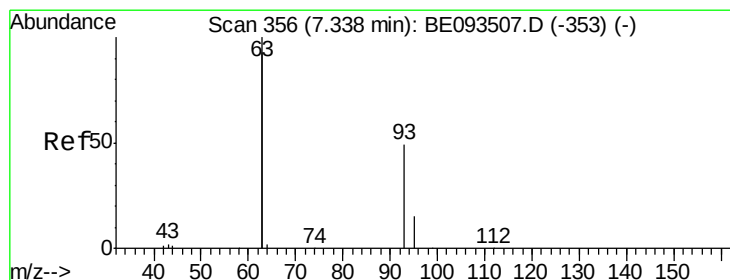
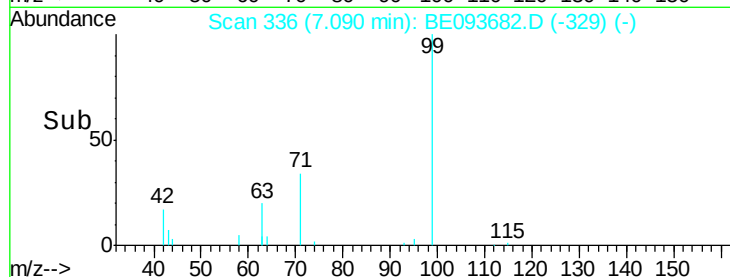
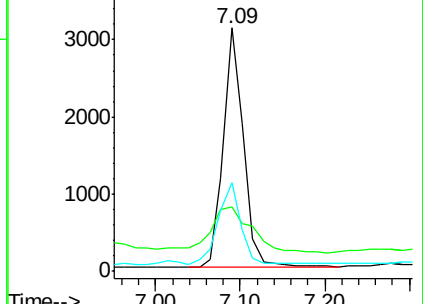
71 39.1 0.0 0.0#



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: 0.295 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

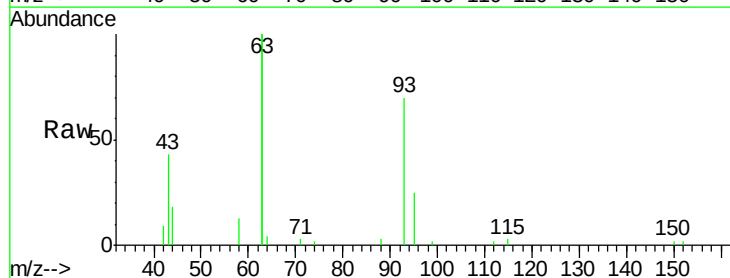
Tgt Ion: 93 Resp: 3489

Ion Ratio Lower Upper

93 100

63 396.0 0.0 0.0#

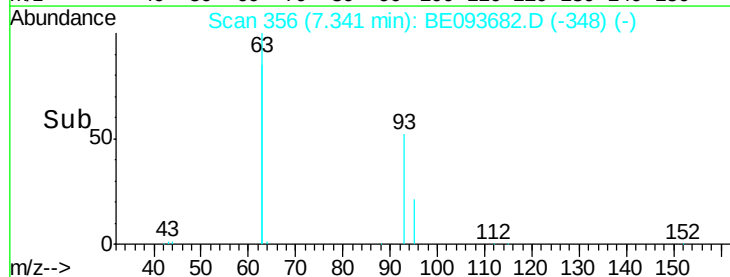
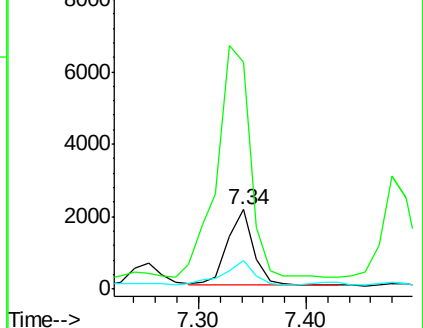
95 37.2 25.4 38.0

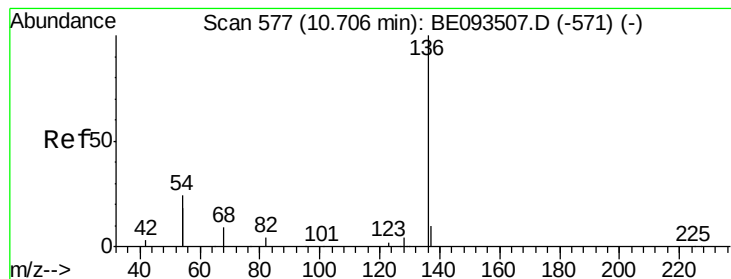


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

Tgt Ion:136 Resp: 15442

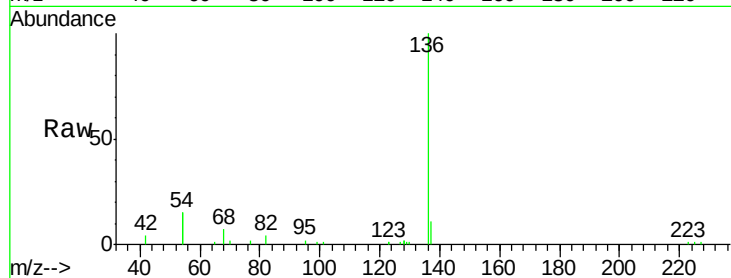
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 29.3 10.3 15.5#

68 6.5 9.0 13.4#

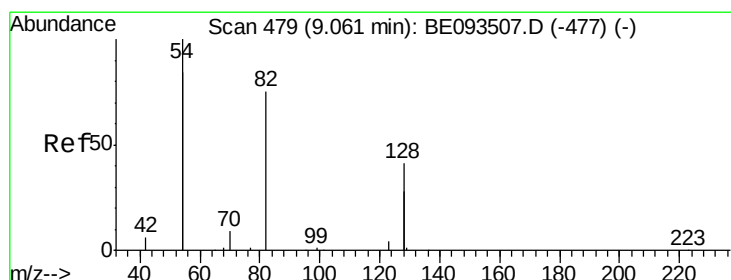
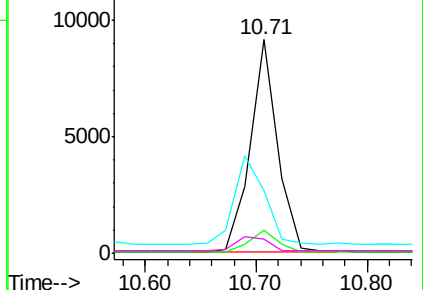
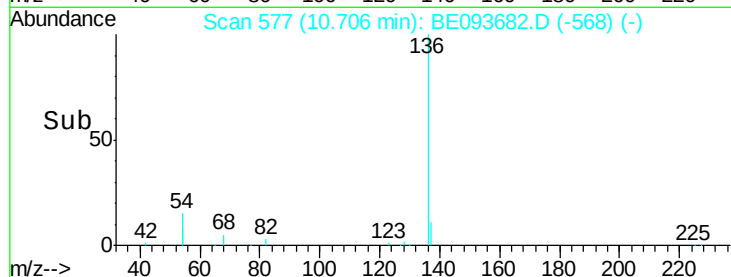


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.377 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

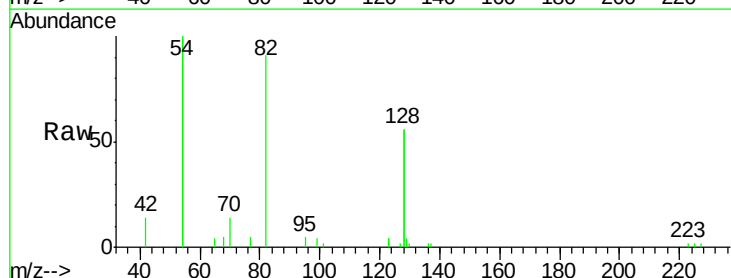
Tgt Ion: 82 Resp: 4443

Ion Ratio Lower Upper

82 100

128 122.9 17.0 25.4#

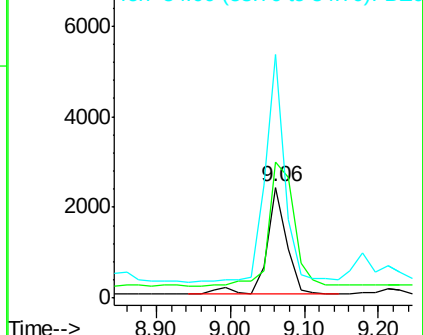
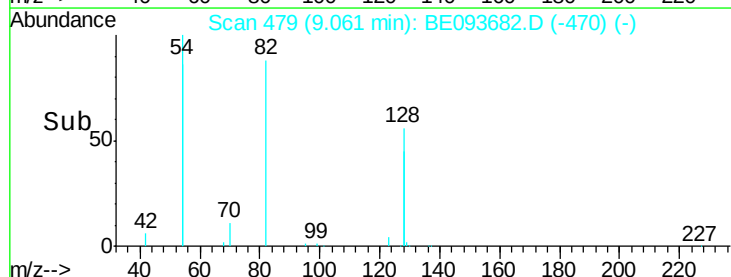
54 220.4 53.8 80.6#

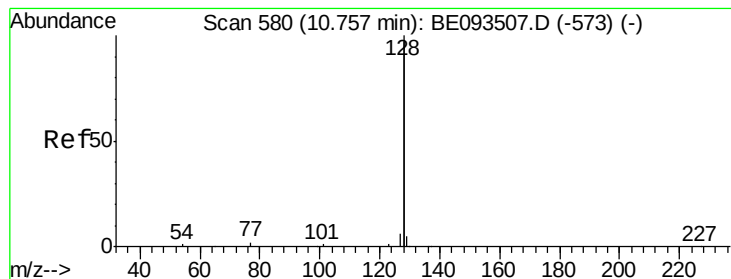


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.264 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

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LASB-13A-1MSD

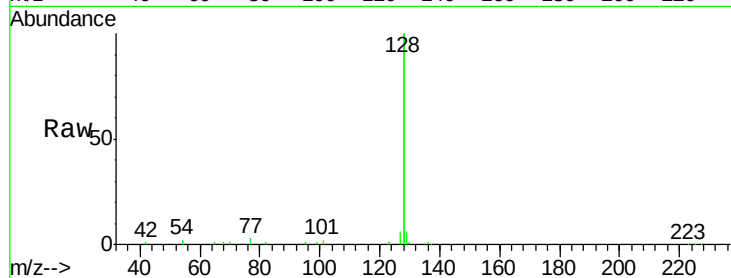
Tgt Ion:128 Resp: 47147

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

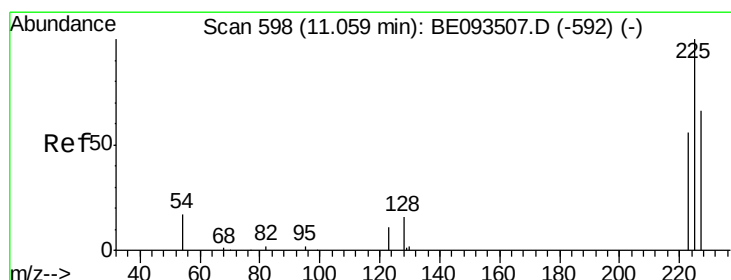
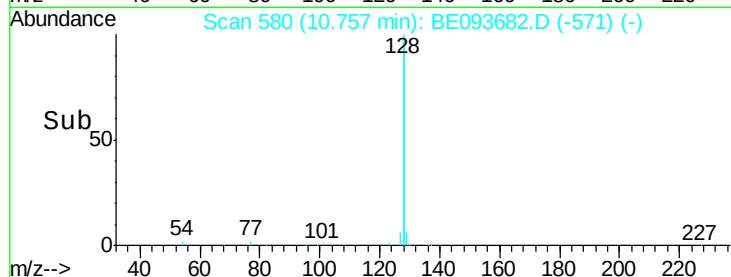
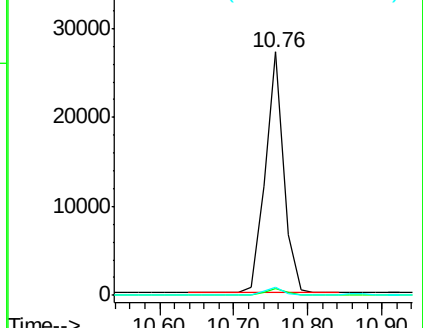
127 3.2 2.4 3.6



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: 0.212 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.02 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

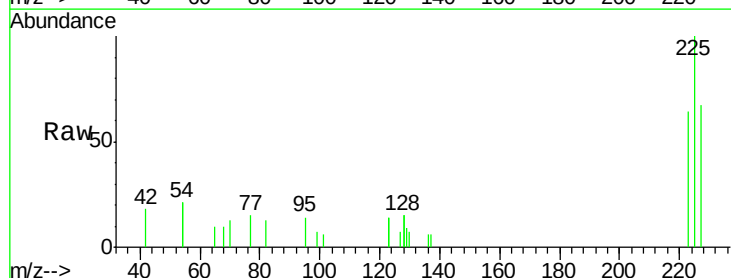
Tgt Ion:225 Resp: 1405

Ion Ratio Lower Upper

225 100

223 63.8 49.7 74.5

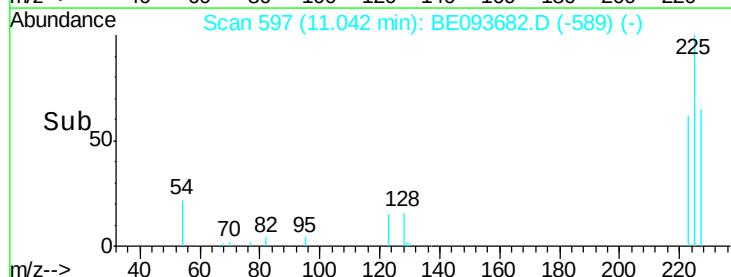
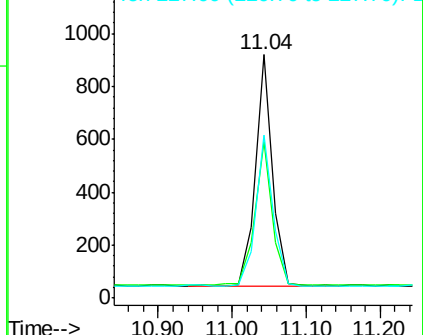
227 65.7 50.3 75.5

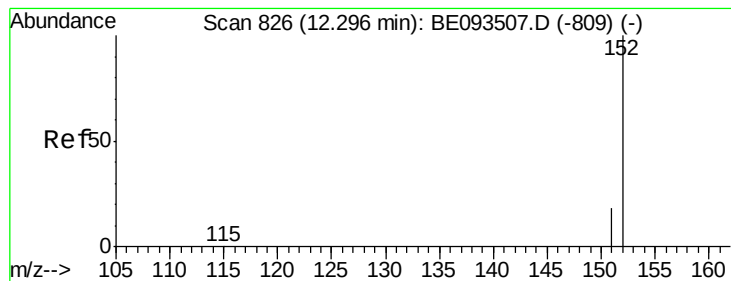


Abundance Ion 225.00 (224.70 to 225.70): E

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: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

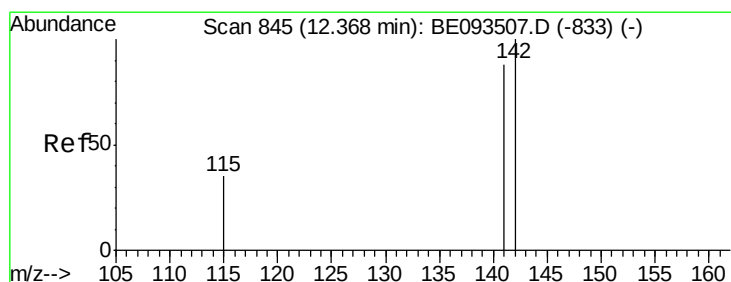
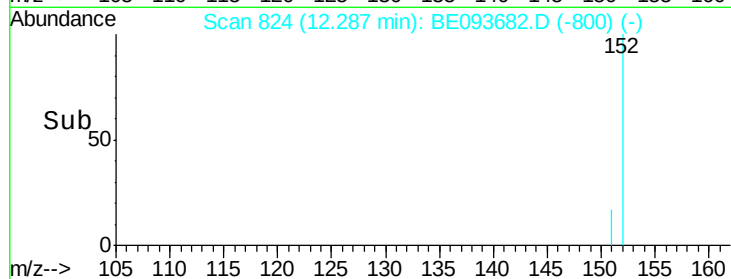
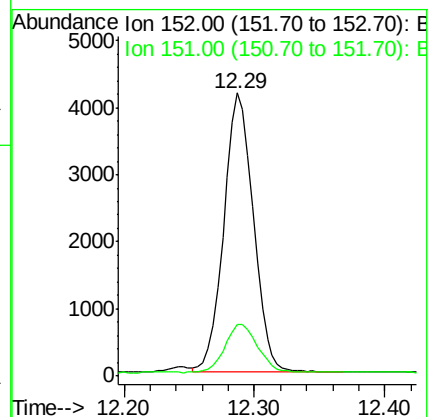
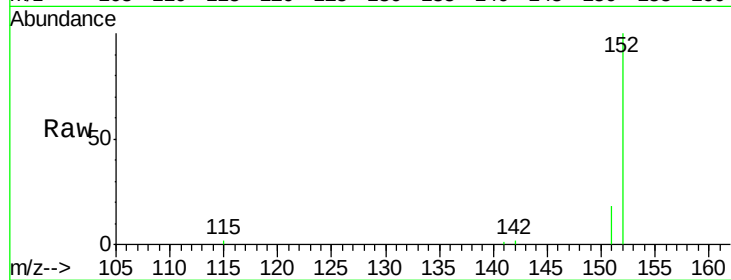
LASB-13A-1MSD

Tgt Ion:152 Resp: 6504

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.254 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

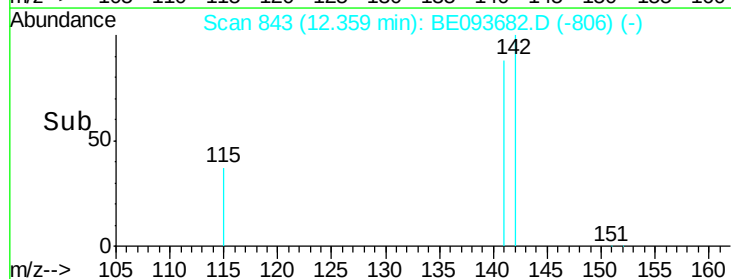
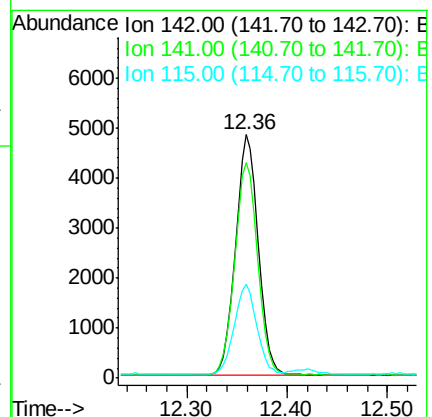
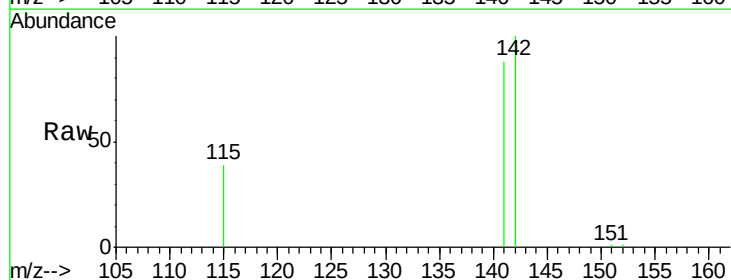
Tgt Ion:142 Resp: 7517

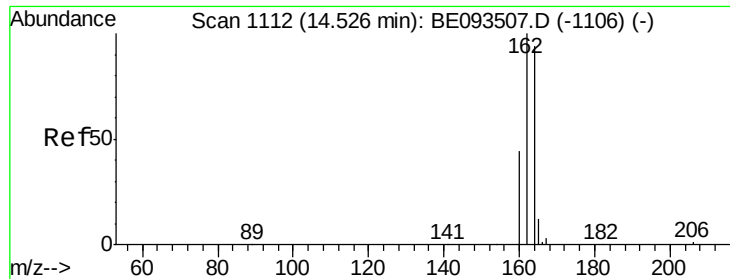
Ion Ratio Lower Upper

142 100

141 88.5 72.6 108.8

115 38.6 32.2 48.2

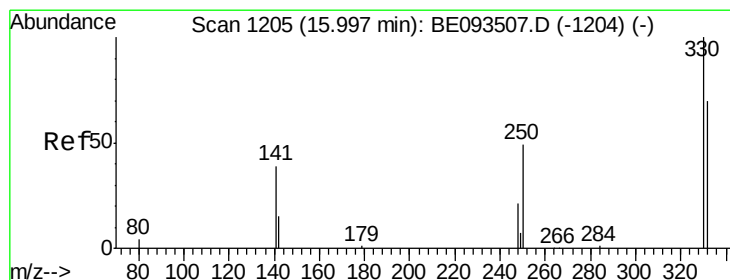
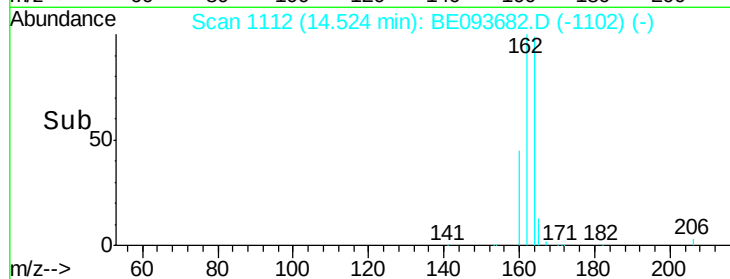
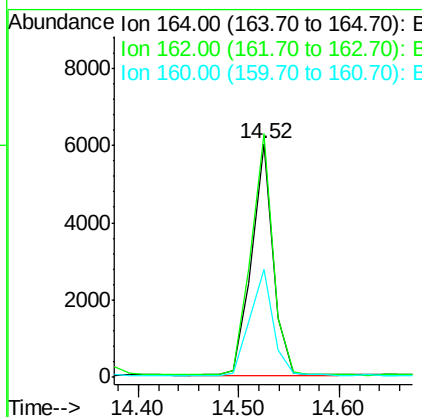
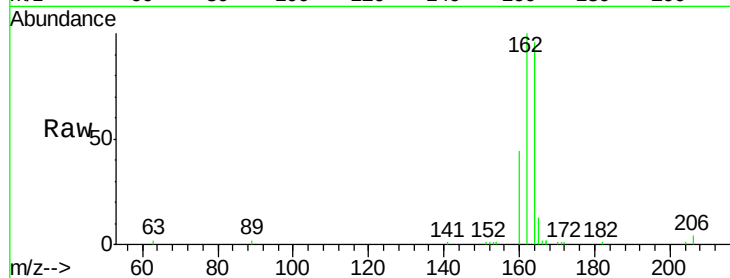




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

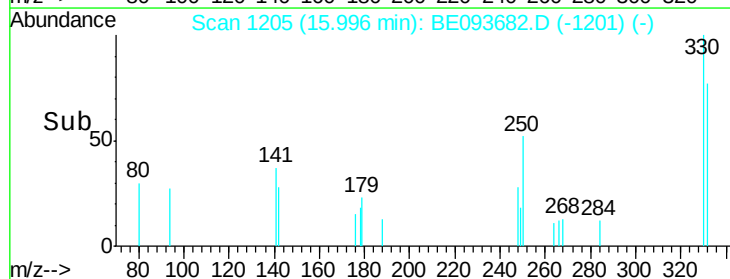
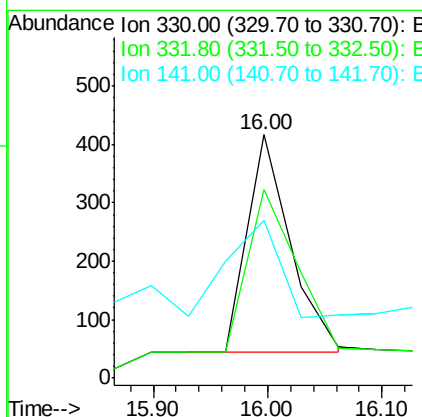
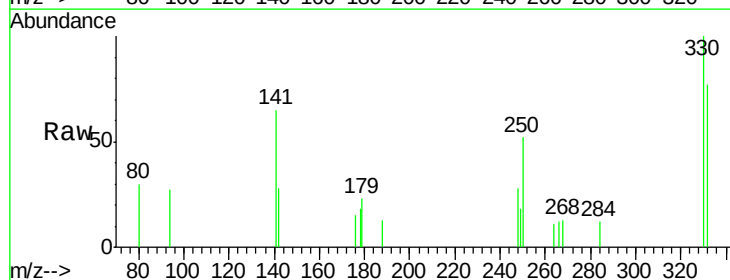
Instrument :
BNA_E
ClientSampleId :
LASB-13A-1MSD

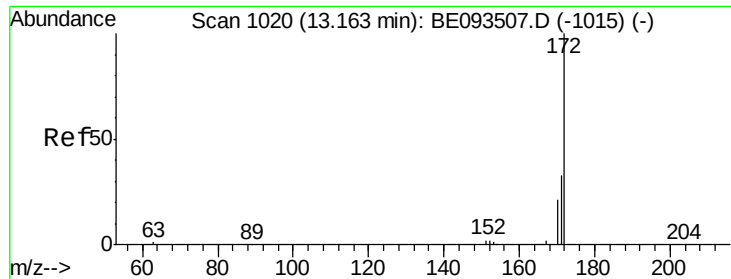
Tgt Ion:164 Resp: 8951
Ion Ratio Lower Upper
164 100
162 104.1 84.6 127.0
160 46.0 41.8 62.6



#14
2,4,6-Tribromophenol
Concen: 0.466 ng
RT: 16.00 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

Tgt Ion:330 Resp: 964
Ion Ratio Lower Upper
330 100
332 84.6 77.7 116.5
141 53.3 56.2 84.4#

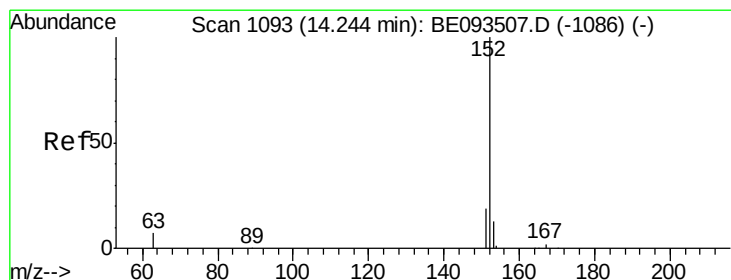
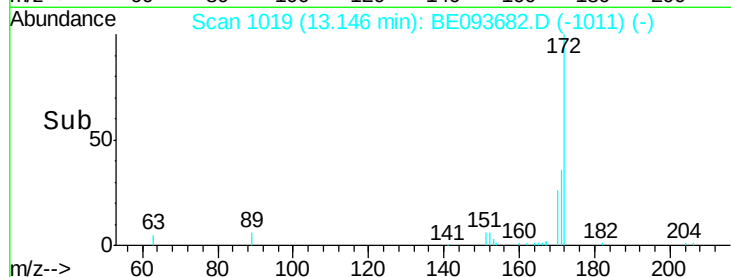
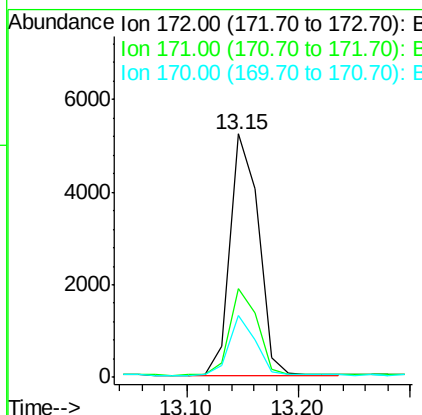
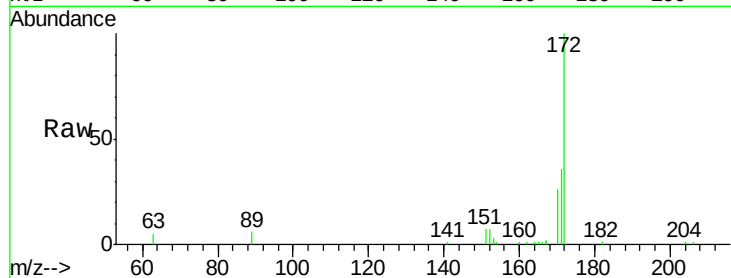




#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

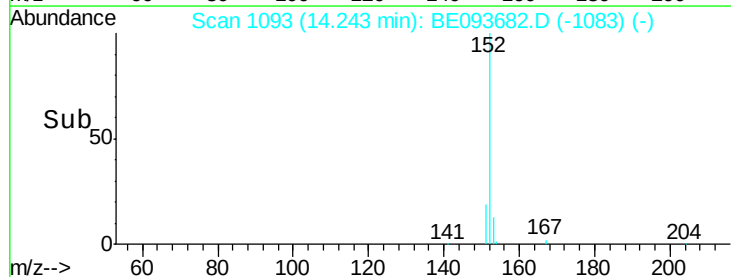
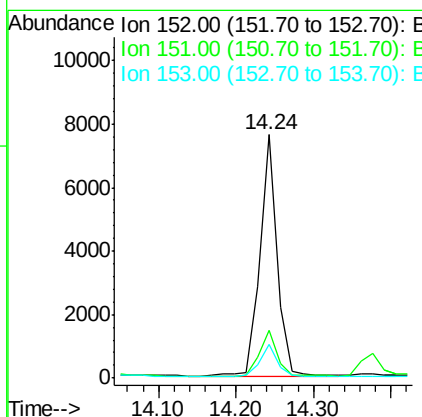
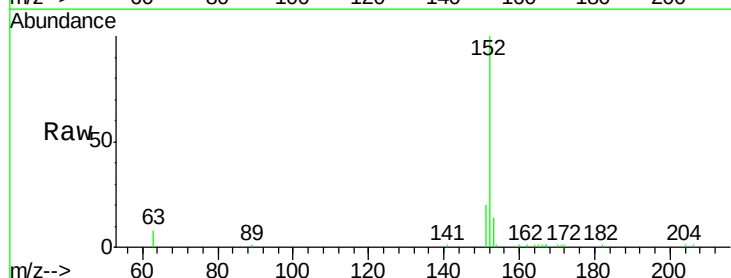
Instrument :
BNA_E
ClientSampleId :
LASB-13A-1MSD

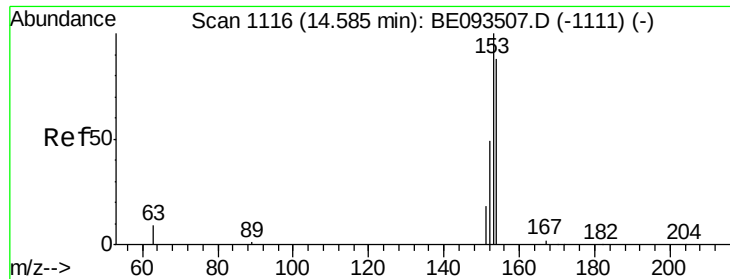
Tgt Ion:172 Resp: 9172
Ion Ratio Lower Upper
172 100
171 36.4 29.8 44.6
170 25.6 20.7 31.1



#16
Acenaphthylene
Concen: 0.273 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

Tgt Ion:152 Resp: 11659
Ion Ratio Lower Upper
152 100
151 19.3 4.0 6.0#
153 13.2 10.3 15.5

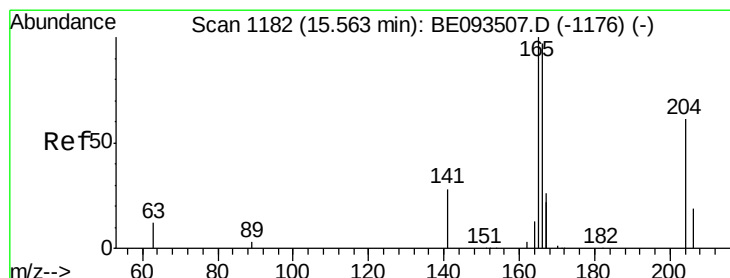
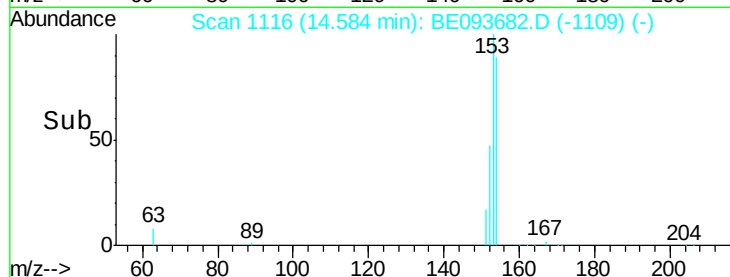
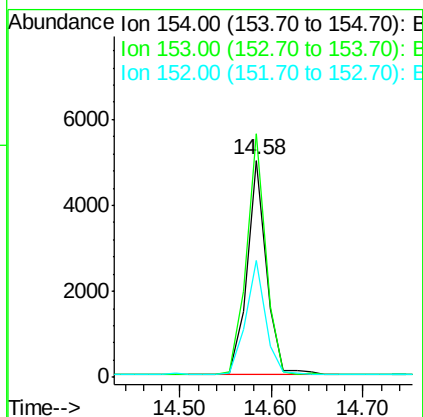
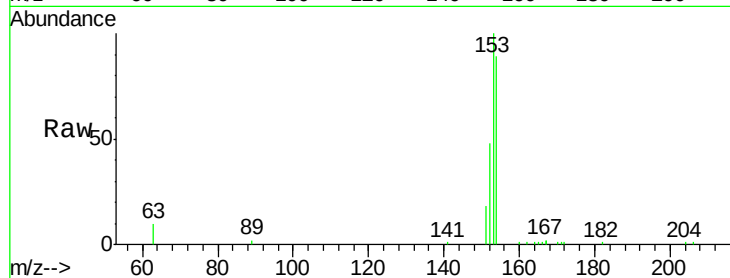




#17
Acenaphthene
Concen: 0.245 ng
RT: 14.58 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

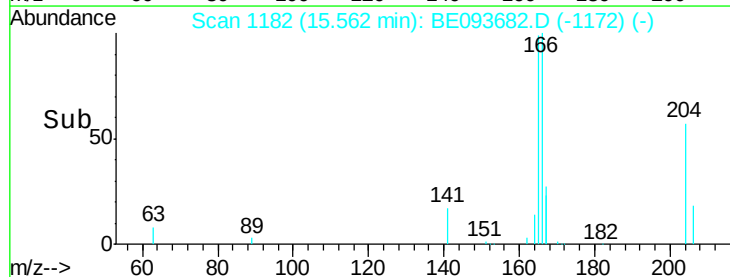
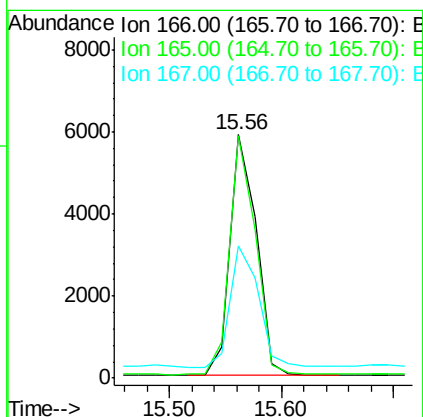
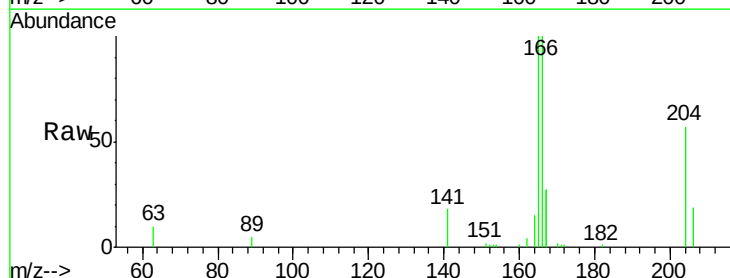
Instrument :
BNA_E
ClientSampleId :
LASB-13A-1MSD

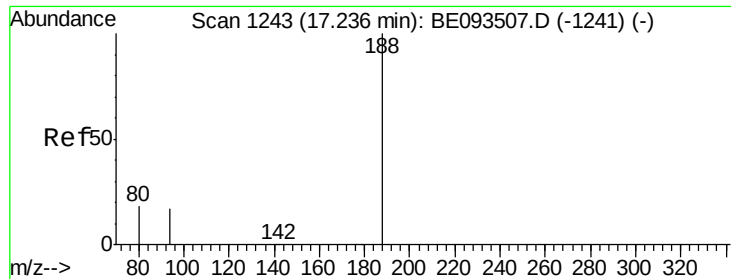
Tgt Ion:154 Resp: 7400
Ion Ratio Lower Upper
154 100
153 111.3 91.2 136.8
152 53.6 44.8 67.2



#18
Fluorene
Concen: 0.237 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

Tgt Ion:166 Resp: 9550
Ion Ratio Lower Upper
166 100
165 97.4 78.6 117.8
167 54.4 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: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

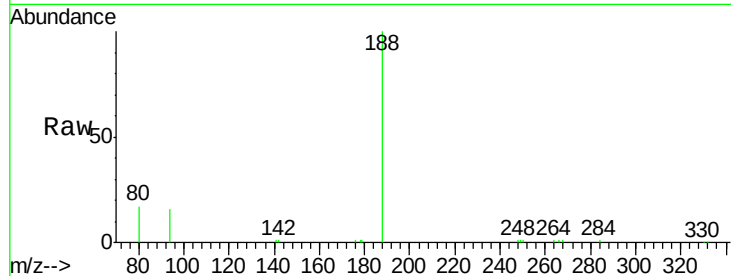
Tgt Ion:188 Resp: 20773

Ion Ratio Lower Upper

188 100

94 16.2 11.3 16.9

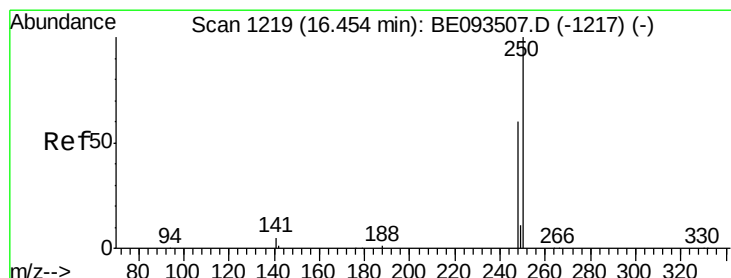
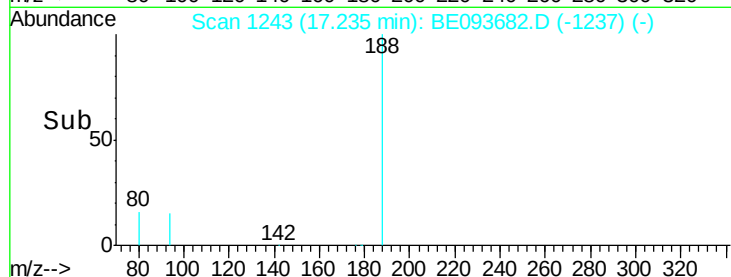
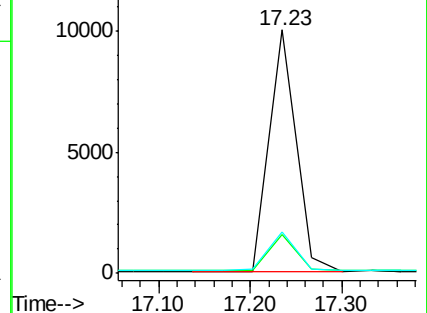
80 17.2 11.7 17.5



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: 0.166 ng

RT: 16.45 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

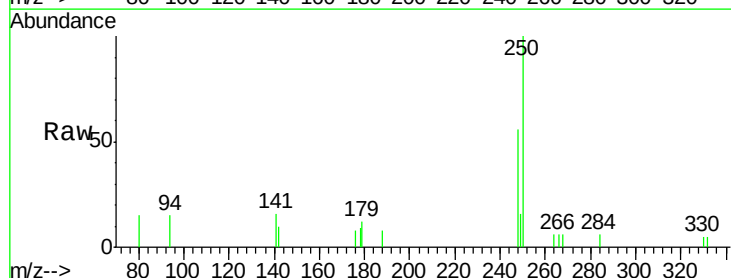
Tgt Ion:248 Resp: 1383

Ion Ratio Lower Upper

248 100

250 179.5 128.0 192.0

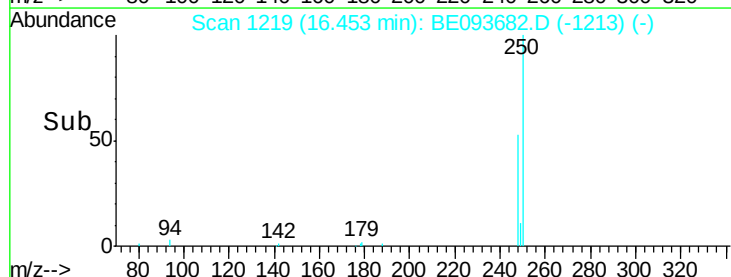
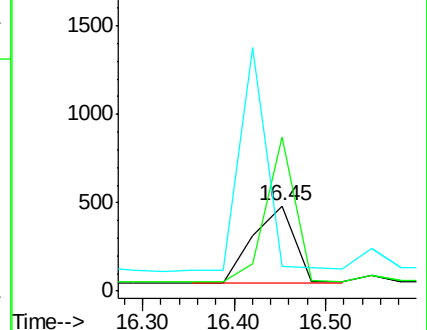
141 28.7 12.0 18.0#

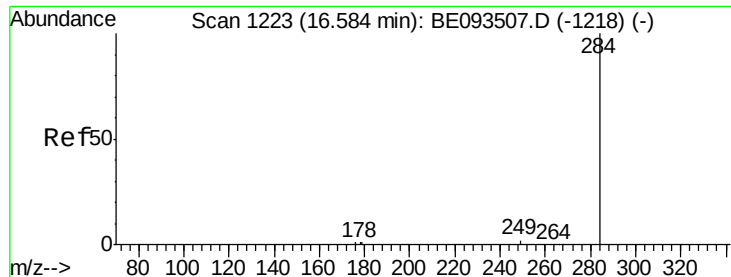


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.195 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

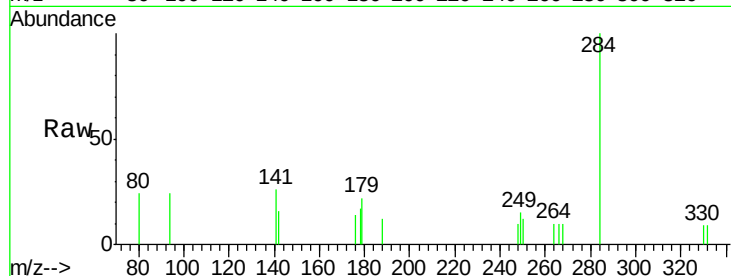
Tgt Ion: 284 Resp: 1400

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

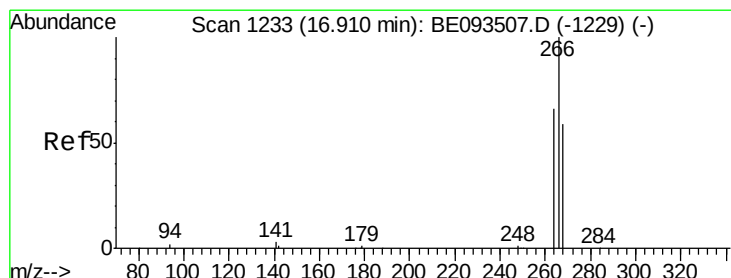
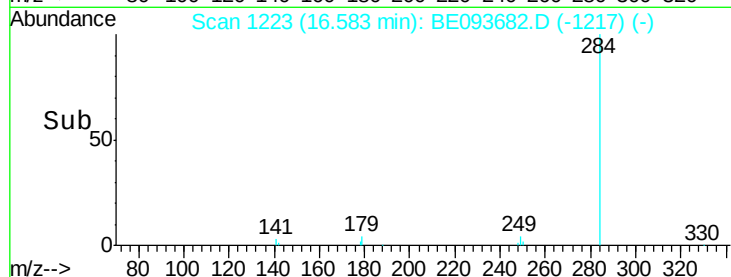
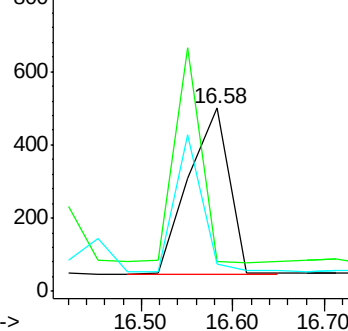
249 0.0 0.0 0.0



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



#22

Pentachlorophenol

Concen: 0.901 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

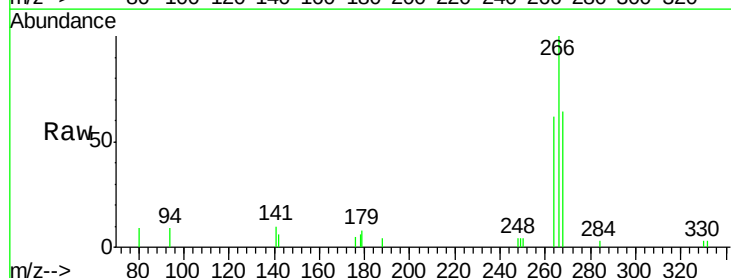
Tgt Ion: 266 Resp: 3045

Ion Ratio Lower Upper

266 100

264 62.3 56.0 84.0

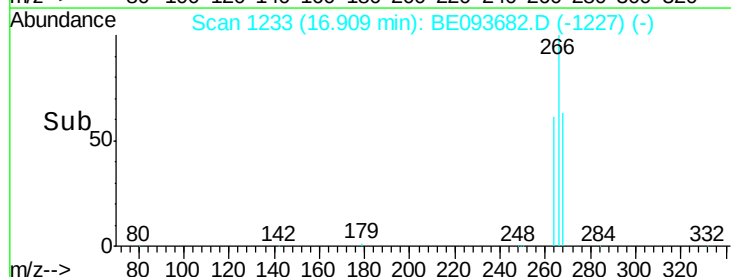
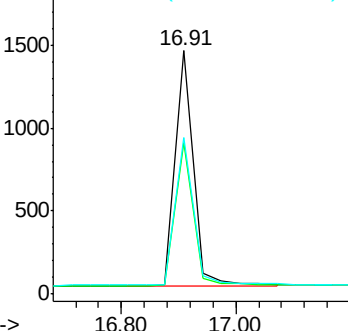
268 64.1 52.0 78.0

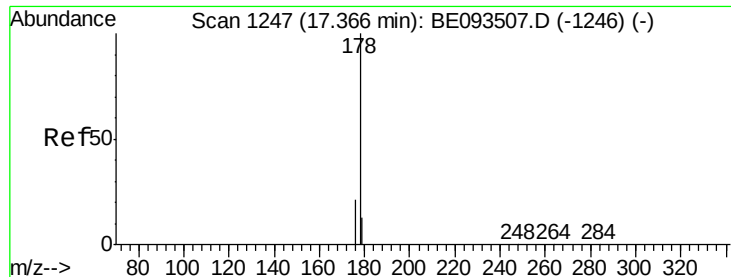


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#24

Anthracene

Concen: 0.453 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

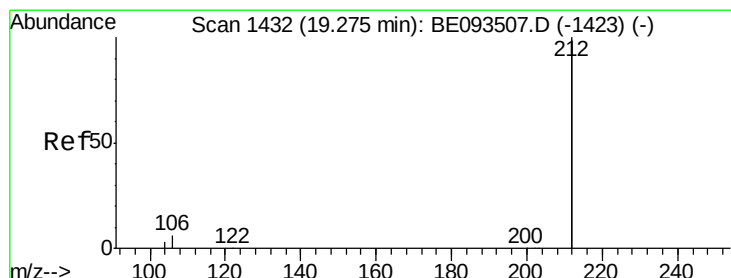
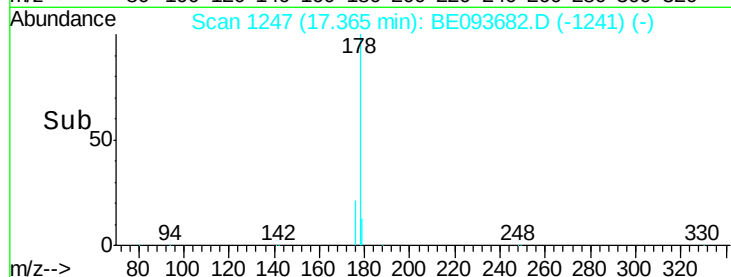
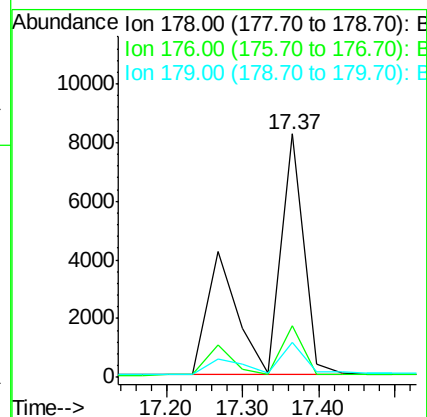
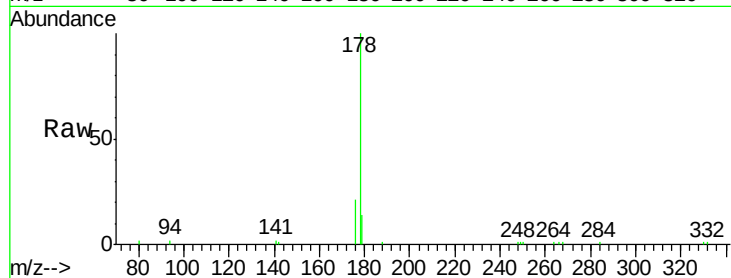
Tgt Ion:178 Resp: 28297

Ion Ratio Lower Upper

178 100

176 11.8 14.6 22.0#

179 14.3 12.0 18.0



#25

Fluoranthene-d10

Concen: 0.263 ng

RT: 19.28 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

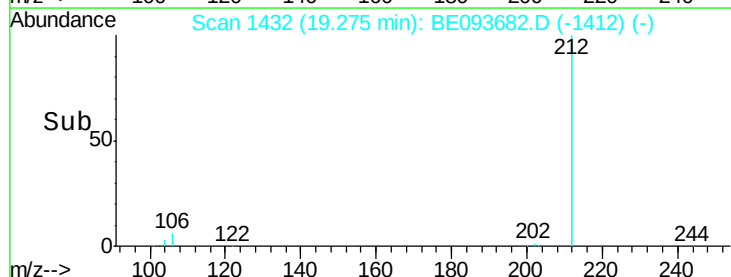
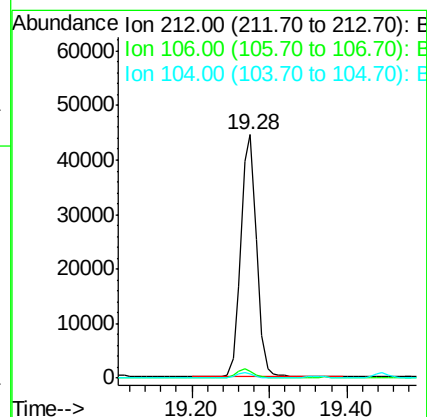
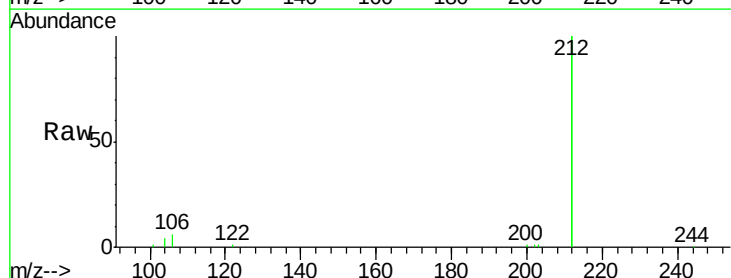
Tgt Ion:212 Resp: 62052

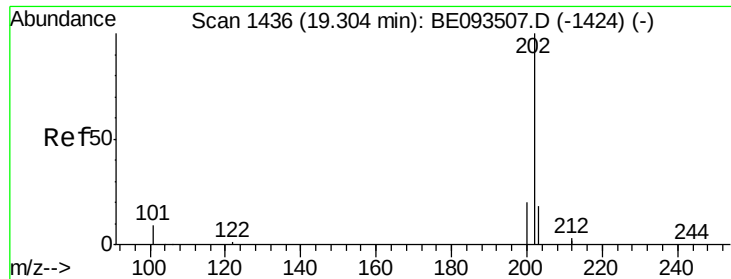
Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

104 2.0 1.6 2.4

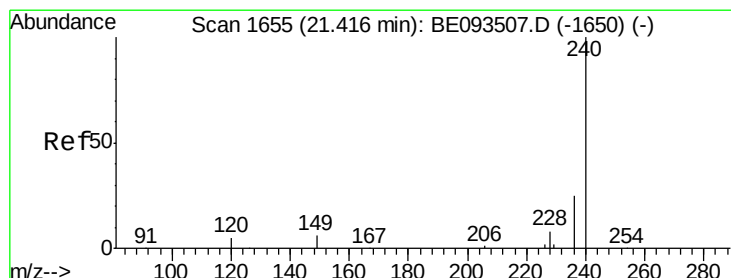
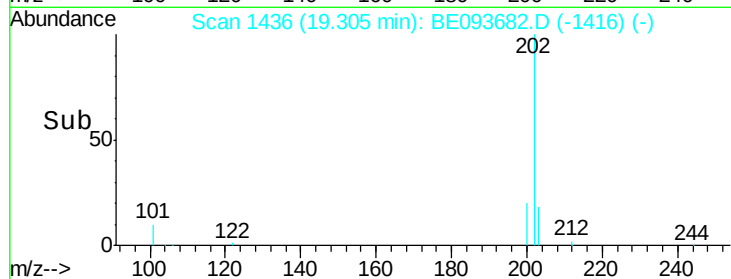
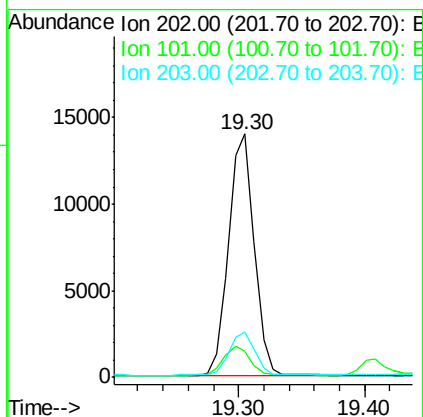
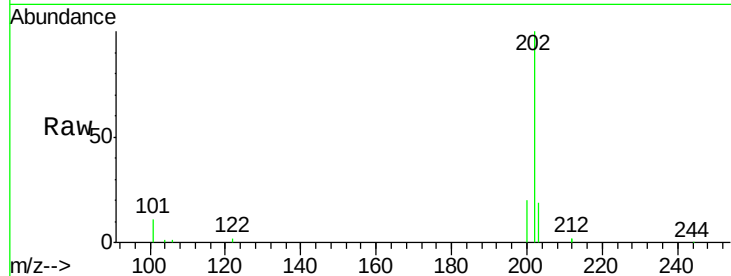




#26
Fluoranthene
Concen: 0.269 ng
RT: 19.30 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

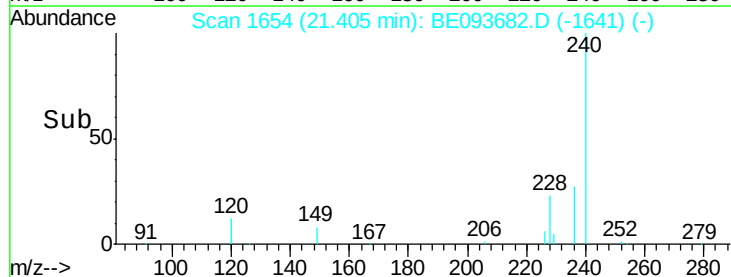
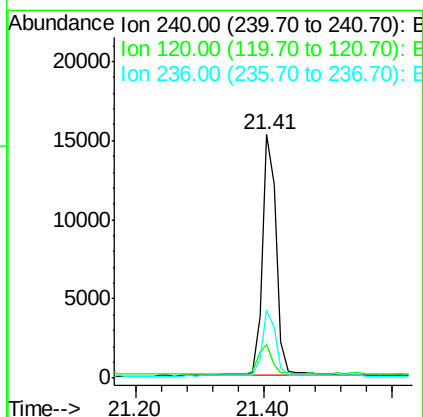
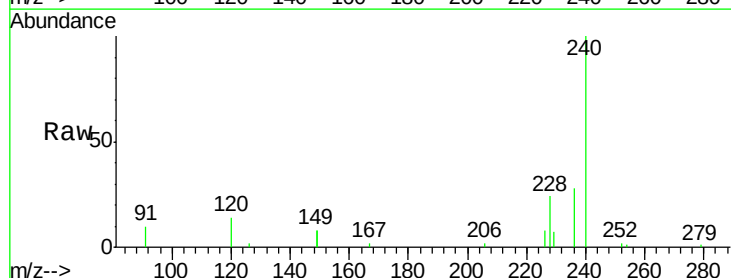
Instrument :
BNA_E
ClientSampleId :
LASB-13A-1MSD

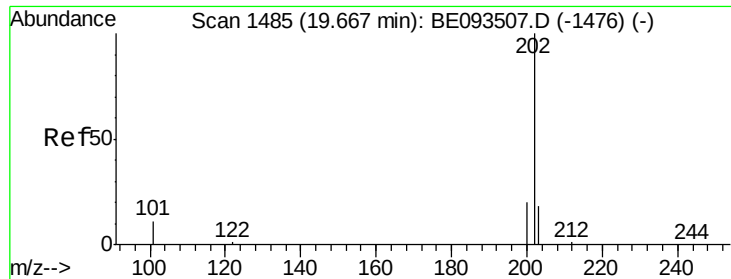
Tgt Ion:202 Resp: 19598
Ion Ratio Lower Upper
202 100
101 12.6 9.6 14.4
203 18.3 14.4 21.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

Tgt Ion:240 Resp: 23417
Ion Ratio Lower Upper
240 100
120 14.0 4.6 7.0#
236 27.8 20.8 31.2





#28

Pyrene

Concen: 0.263 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

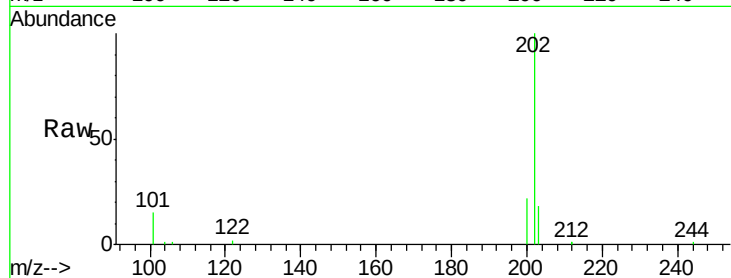
Tgt Ion:202 Resp: 19874

Ion Ratio Lower Upper

202 100

200 20.7 0.0 0.0#

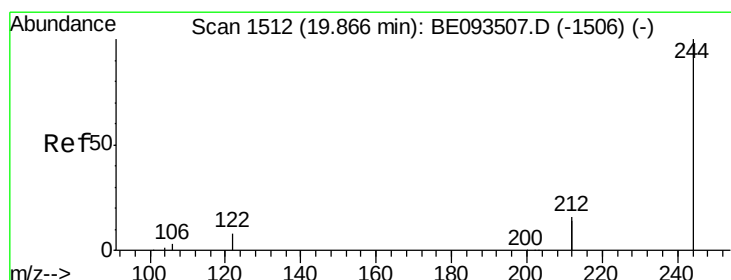
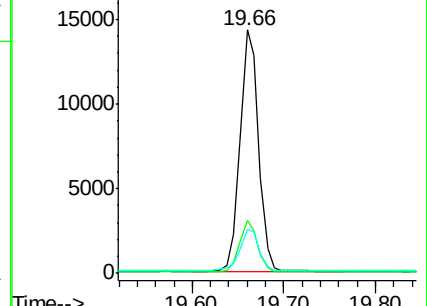
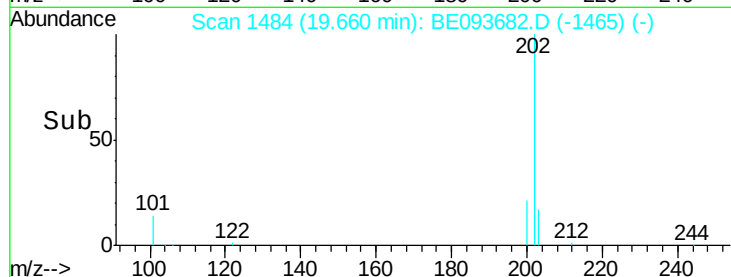
203 18.4 13.7 20.5



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: 0.337 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

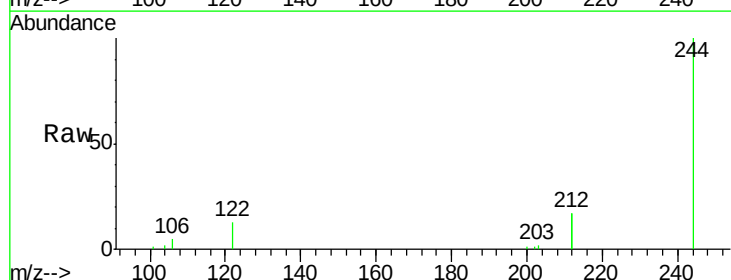
Tgt Ion:244 Resp: 14194

Ion Ratio Lower Upper

244 100

212 34.9 10.6 16.0#

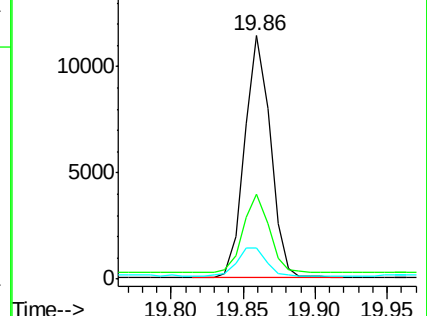
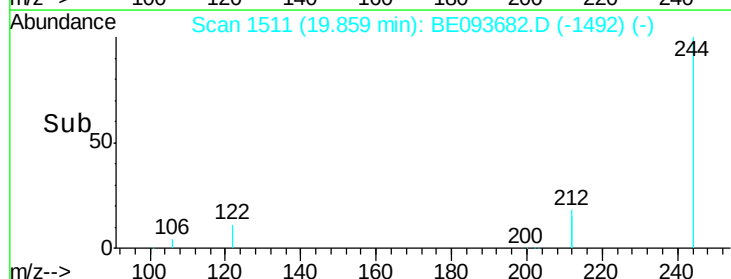
122 12.6 15.4 23.0#

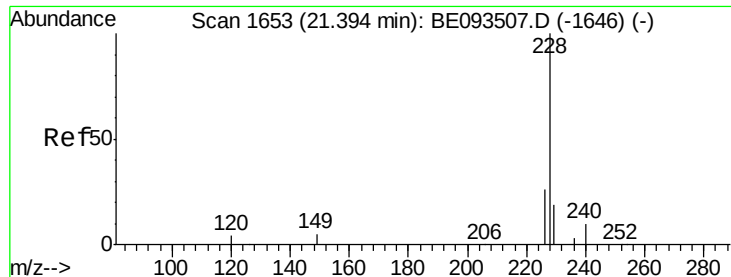


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.260 ng

RT: 21.39 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

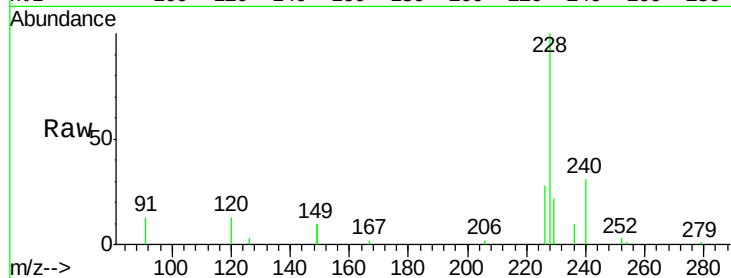
Tgt Ion:228 Resp: 17930

Ion Ratio Lower Upper

228 100

226 27.8 19.7 29.5

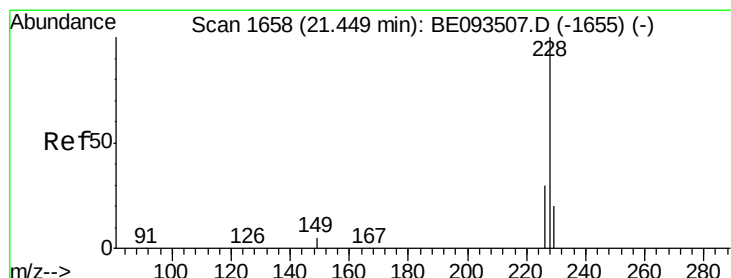
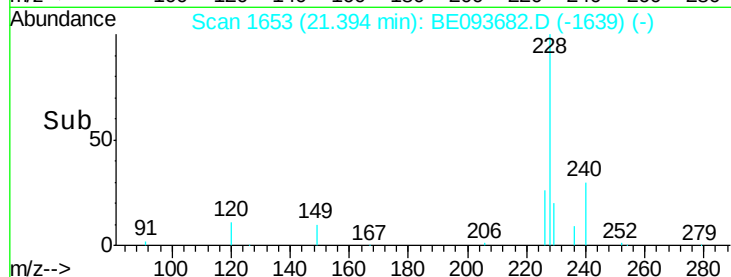
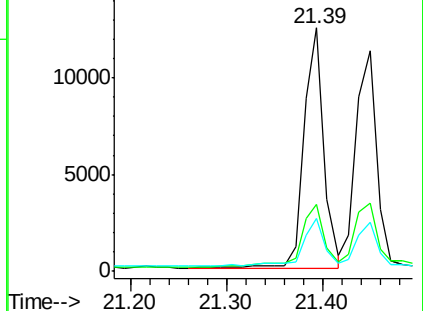
229 21.6 19.2 28.8



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: 0.221 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

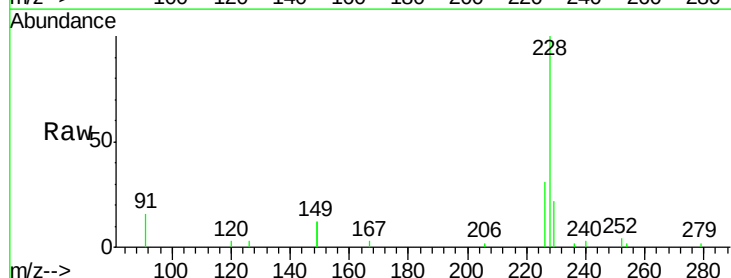
Tgt Ion:228 Resp: 16940

Ion Ratio Lower Upper

228 100

226 31.0 21.5 32.3

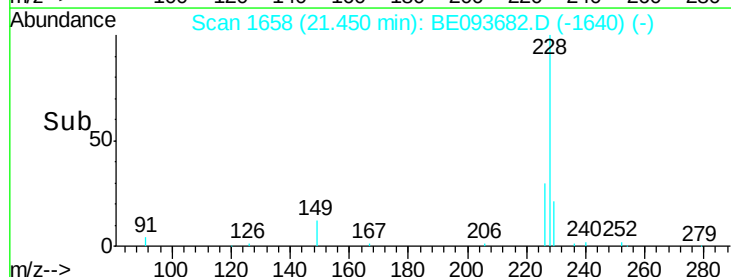
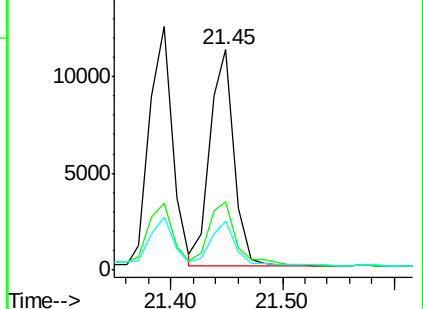
229 22.4 18.6 28.0

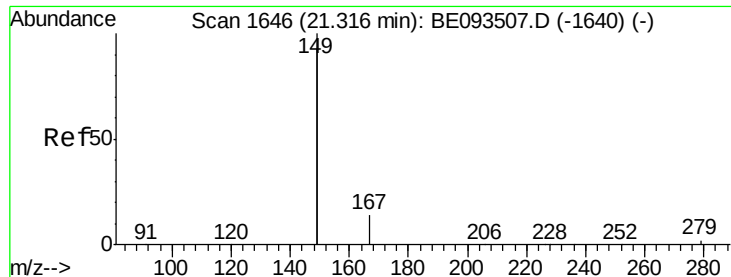


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

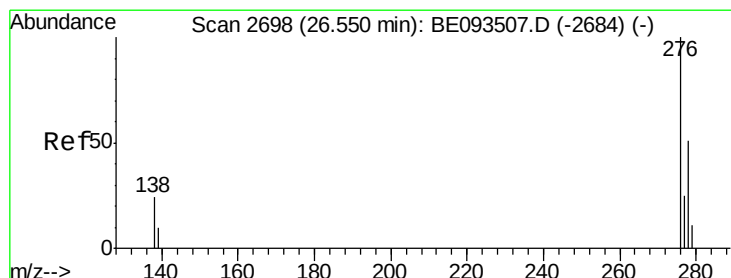
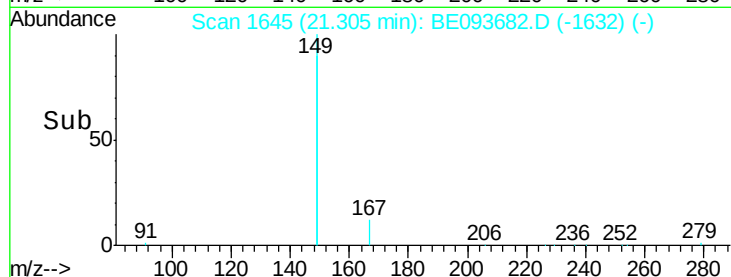
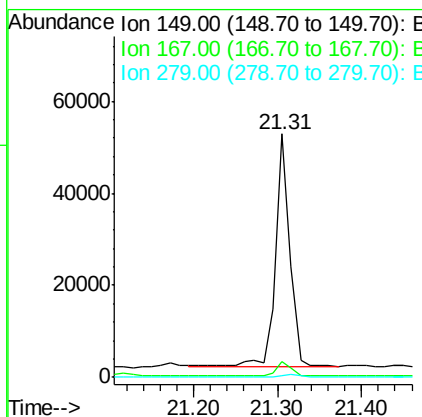
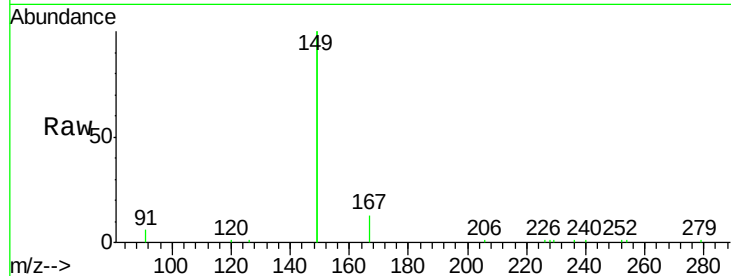




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.641 ng
 RT: 21.31 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093682.D
 Acq: 5 Aug 2017 19:31

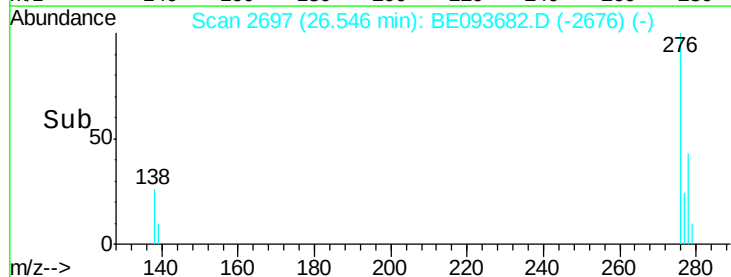
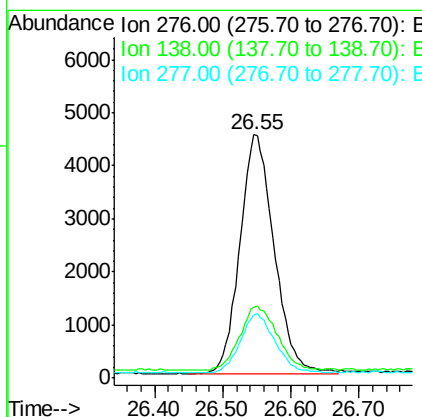
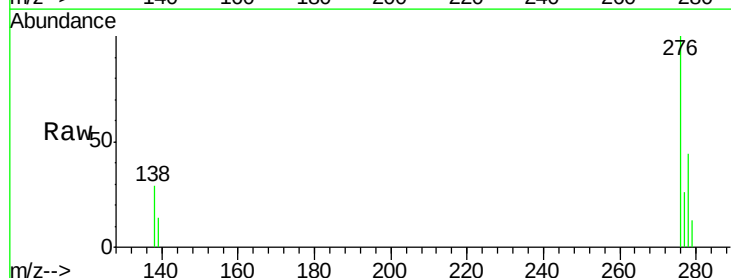
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MSD

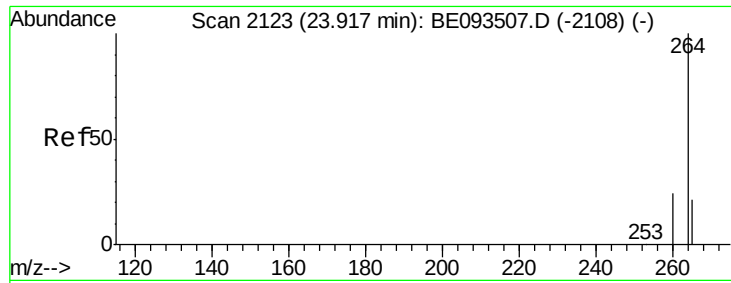
Tgt Ion:149 Resp: 60163
 Ion Ratio Lower Upper
 149 100
 167 6.9 4.8 7.2
 279 1.6 0.8 1.2#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.225 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: BE093682.D
 Acq: 5 Aug 2017 19:31

Tgt Ion:276 Resp: 15661
 Ion Ratio Lower Upper
 276 100
 138 29.7 27.4 41.2
 277 24.5 20.1 30.1

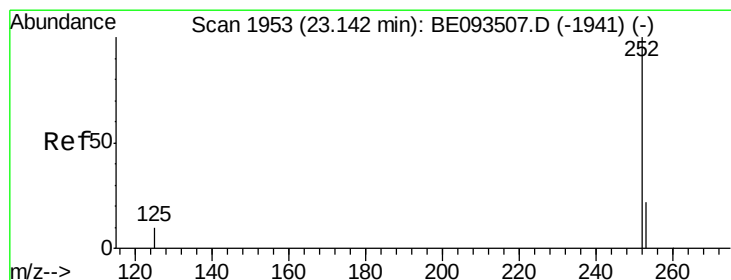
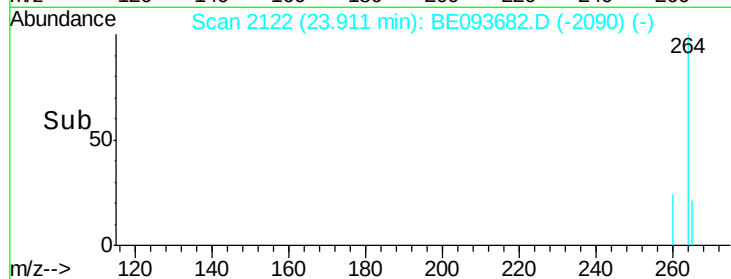
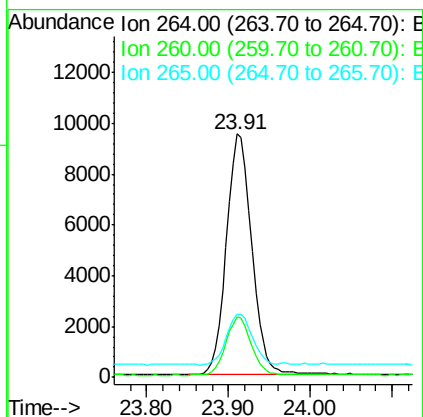
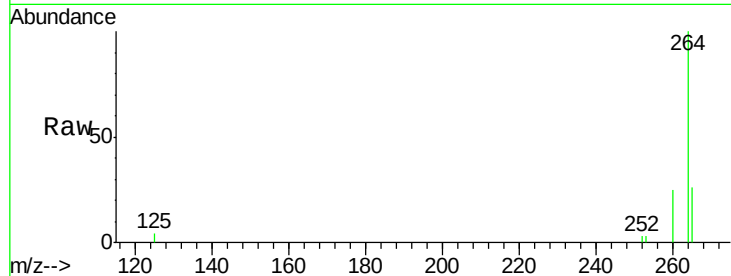




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE093682.D
 Acq: 5 Aug 2017 19:31

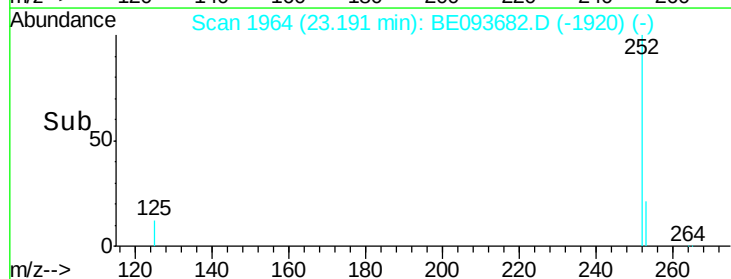
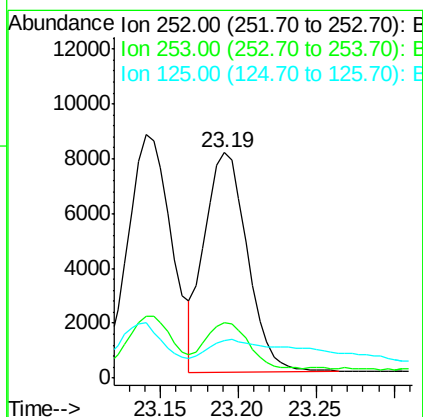
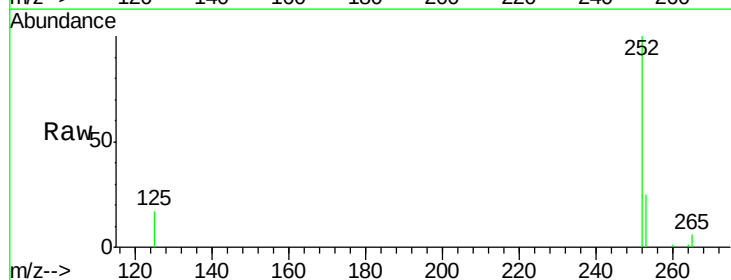
Instrument :
 BNA_E
 ClientSampleId :
 LASB-13A-1MSD

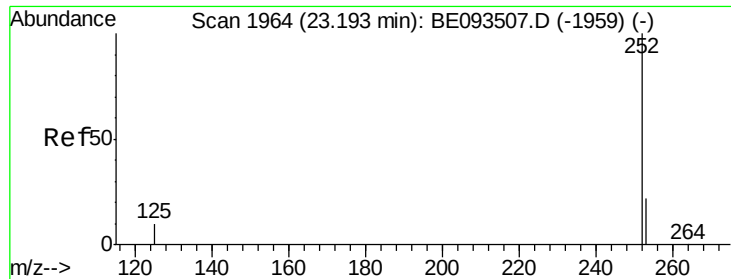
Tgt Ion: 264 Resp: 20476
 Ion Ratio Lower Upper
 264 100
 260 25.1 21.0 31.4
 265 25.7 24.6 36.8



#35
Benzo(b)fluoranthene
 Concen: 0.208 ng
 RT: 23.19 min Scan# 1964
 Delta R.T. 0.05 min
 Lab File: BE093682.D
 Acq: 5 Aug 2017 19:31

Tgt Ion: 252 Resp: 15161
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.5 27.7
 125 16.7 13.4 20.0

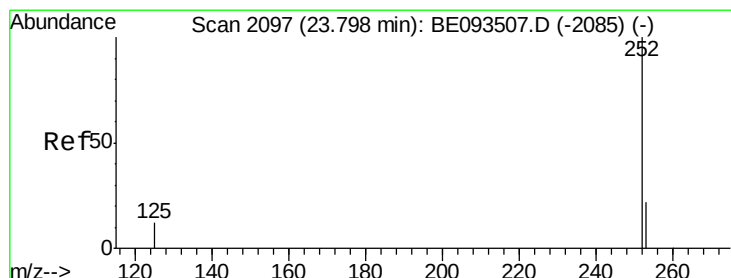
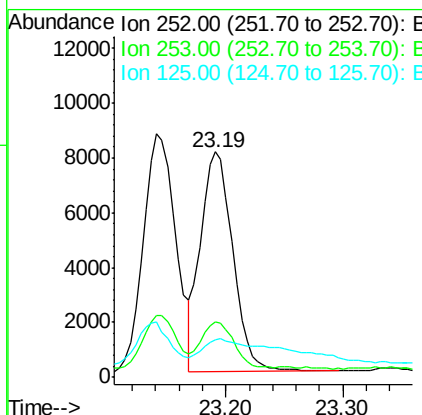
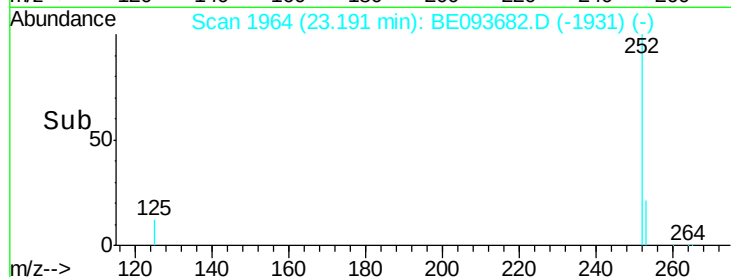
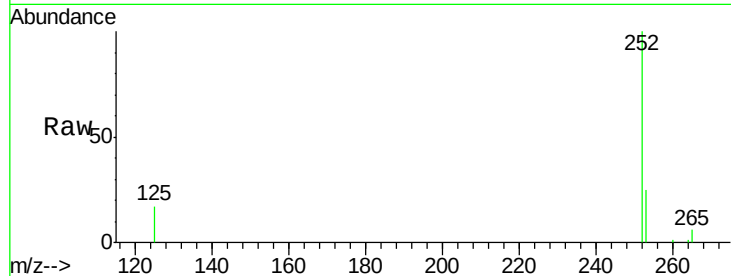




#36
Benzo(k)fluoranthene
Concen: 0.206 ng
RT: 23.19 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

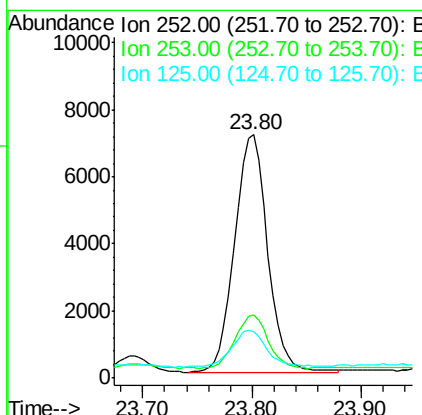
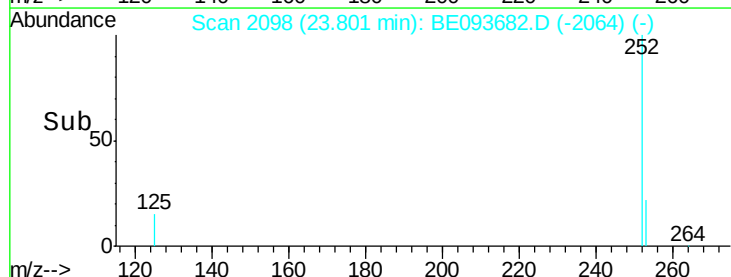
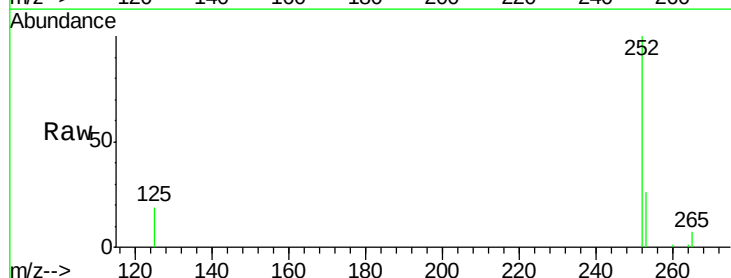
Instrument :
BNA_E
ClientSampleId :
LASB-13A-1MSD

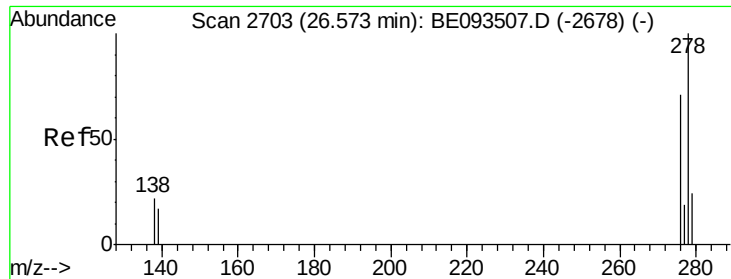
Tgt Ion:252 Resp: 15402
Ion Ratio Lower Upper
252 100
253 24.5 20.3 30.5
125 16.7 12.2 18.4



#37
Benzo(a)pyrene
Concen: 0.224 ng
RT: 23.80 min Scan# 2098
Delta R.T. 0.00 min
Lab File: BE093682.D
Acq: 5 Aug 2017 19:31

Tgt Ion:252 Resp: 14837
Ion Ratio Lower Upper
252 100
253 25.9 19.9 29.9
125 19.2 14.6 21.8





#38

Dibenzo(a,h)anthracene

Concen: 0.194 ng

RT: 26.57 min Scan# 2702

Delta R.T. -0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

Instrument :

BNA_E

ClientSampleId :

LASB-13A-1MSD

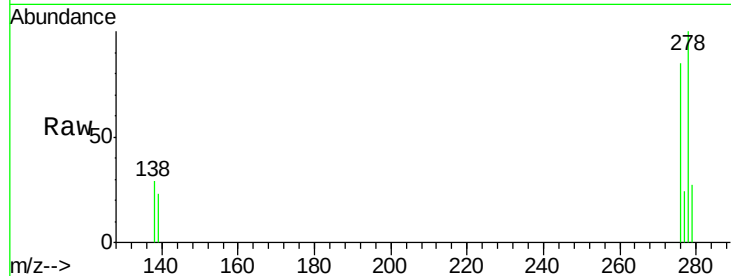
Tgt Ion:278 Resp: 12403

Ion Ratio Lower Upper

278 100

139 23.4 21.4 32.0

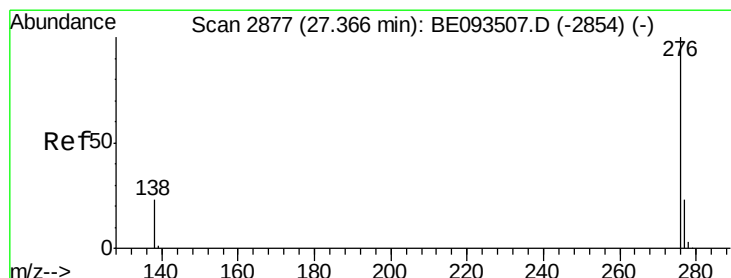
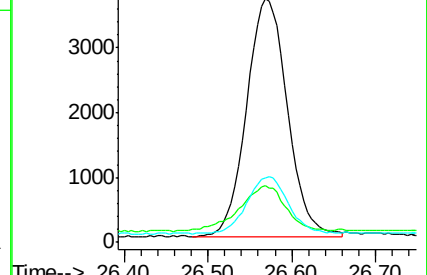
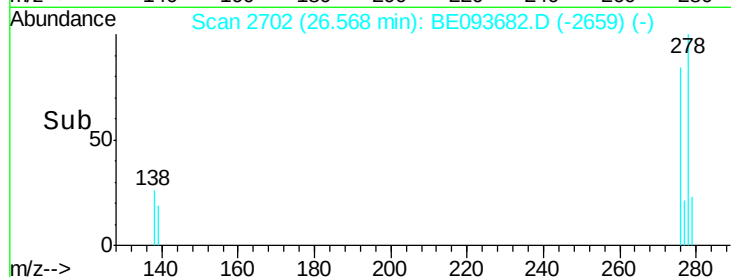
279 26.6 22.2 33.2



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: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093682.D

Acq: 5 Aug 2017 19:31

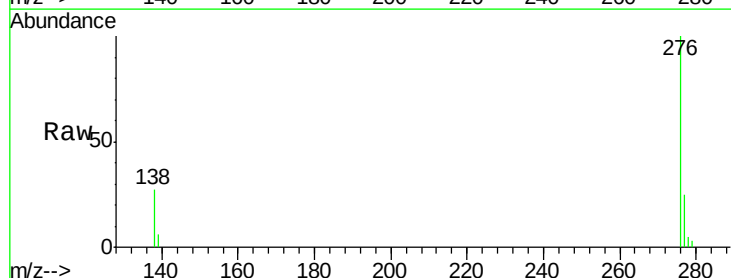
Tgt Ion:276 Resp: 13310

Ion Ratio Lower Upper

276 100

277 24.8 21.2 31.8

138 26.9 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

