

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093994.D
 Acq On : 13 Sep 2017 18:09
 Operator : SJ/JU
 Sample : I5167-20MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

Quant Time: Sep 14 00:55:15 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3466	0.80	ng	0.00
7) Naphthalene-d8	10.71	136	19574	0.80	ng	0.00
13) Acenaphthene-d10	14.51	164	16576	0.80	ng	-0.01
19) Phenanthrene-d10	17.24	188	44612	0.80	ng	-0.03
27) Chrysene-d12	21.42	240	37735	0.80	ng	-0.01
34) Perylene-d12	23.93	264	27705	0.80	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1076	0.19	ng	0.00
5) Phenol-d6	7.11	99	956	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	3271	0.40	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5843	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	1633	0.64	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9469	0.29	ng	-0.01
25) Fluoranthene-d10	19.27	212	63302	0.19	ng	0.00
29) Terphenyl-d14	19.86	244	12763	0.37	ng	-0.02

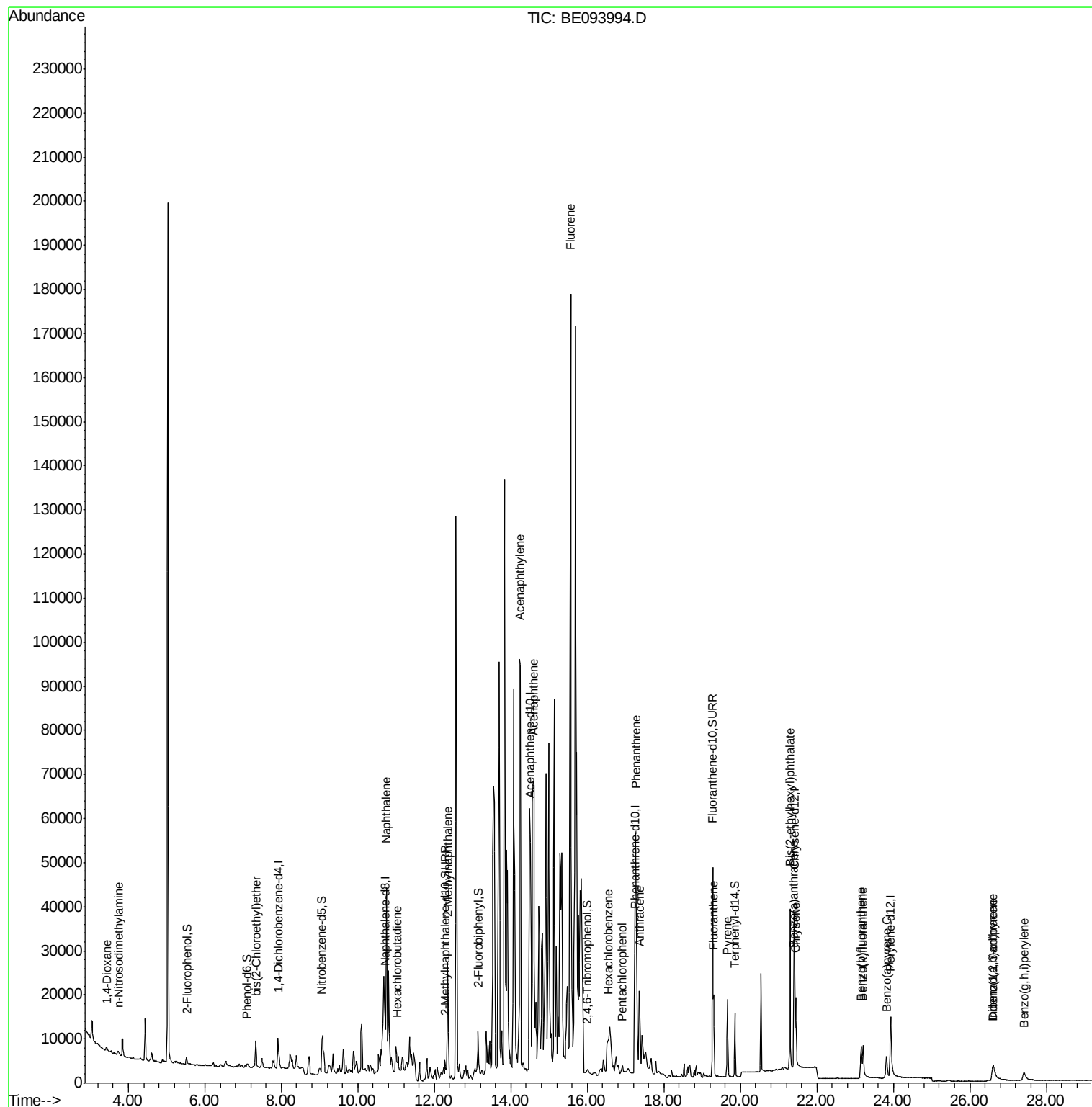
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	767	0.321	ng	# 14
3) n-Nitrosodimethylamine	3.74	42	658	0.235	ng	# 67
6) bis(2-Chloroethyl)ether	7.34	93	2570	0.374	ng	99
9) Naphthalene	10.74	128	79430	0.708	ng	# 92
10) Hexachlorobutadiene	11.02	225	1228	0.301	ng	96
12) 2-Methylnaphthalene	12.35	142	19703	1.057	ng	98
16) Acenaphthylene	14.24	152	25952	0.627	ng	# 37
17) Acenaphthene	14.58	154	36361	1.301	ng	# 84
18) Fluorene	15.56	166	85893	2.382	ng	# 89
21) Hexachlorobenzene	16.55	284	1441	0.109	ng	# 100
22) Pentachlorophenol	16.91	266	2179	0.616	ng	# 86
23) Phenanthrene	17.27	178	91867	1.429	ng	# 94
24) Anthracene	17.37	178	29619	0.436	ng	# 99
26) Fluoranthene	19.30	202	17119	0.172	ng	99
28) Pyrene	19.67	202	17961	0.277	ng	99
30) Benzo(a)anthracene	21.39	228	14999	0.259	ng	97
31) Chrysene	21.45	228	15357	0.250	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	51380	0.365	ng	97
33) Indeno(1,2,3-cd)pyrene	26.60	276	8306	0.203	ng	96
35) Benzo(b)fluoranthene	23.16	252	11624	0.263	ng	98
36) Benzo(k)fluoranthene	23.21	252	14305	0.265	ng	97
37) Benzo(a)pyrene	23.82	252	11532	0.257	ng	95
38) Dibenzo(a,h)anthracene	26.61	278	6542	0.220	ng	# 91
39) Benzo(g,h,i)perylene	27.42	276	7275	0.232	ng	99

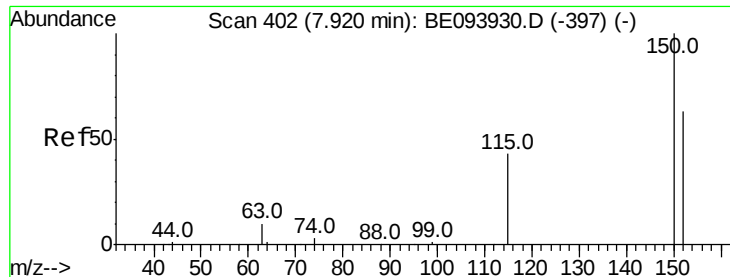
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 05 13:34:56 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.800 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

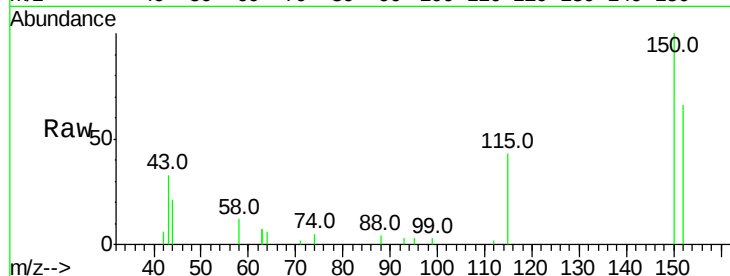
Tot Ion:152 Resp: 3466

Ion Ratio Lower Upper

152 100

150 151.5 121.8 182.6

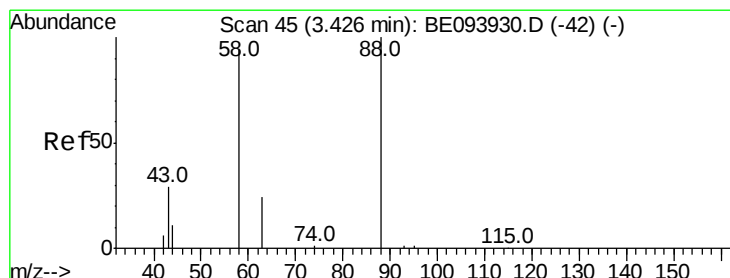
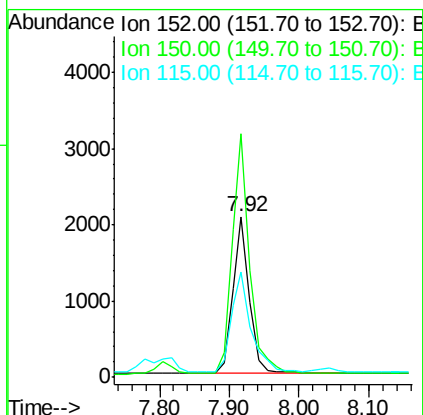
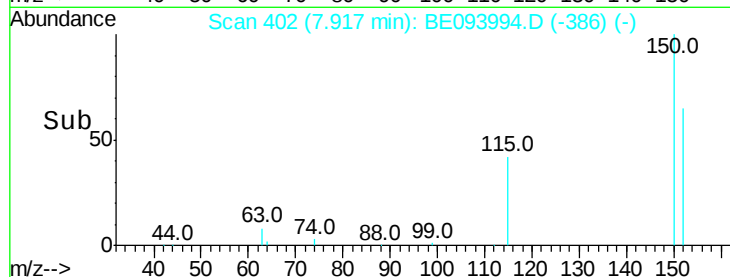
115 65.2 52.6 79.0



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: 0.321 ng

RT: 3.44 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

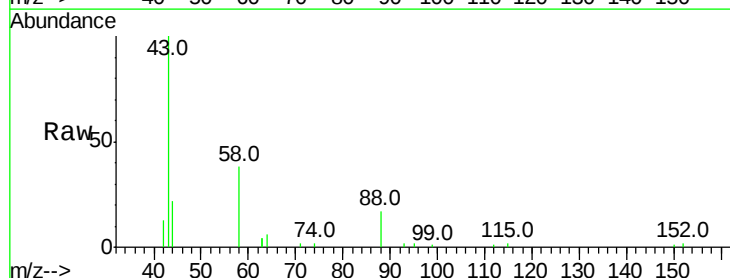
Tgt Ion: 88 Resp: 767

Ion Ratio Lower Upper

88 100

58 168.4 65.4 98.0#

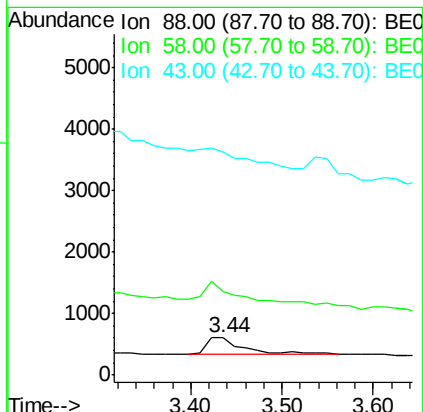
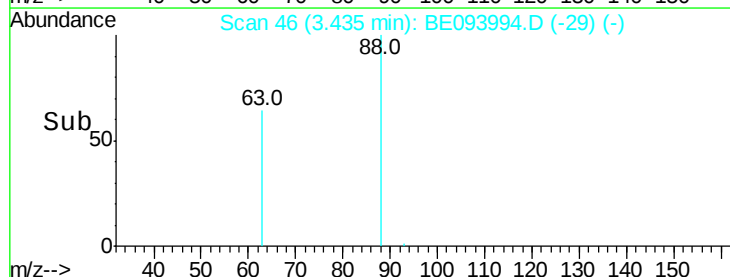
43 0.0 23.9 35.9#

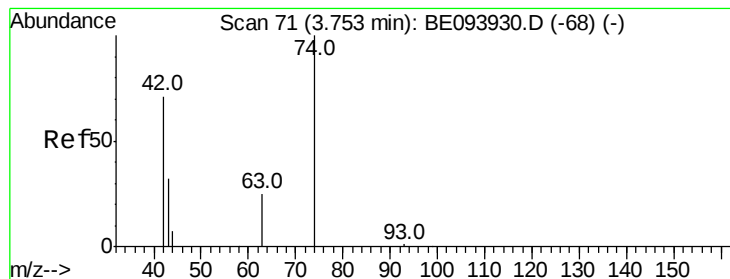


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.235 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

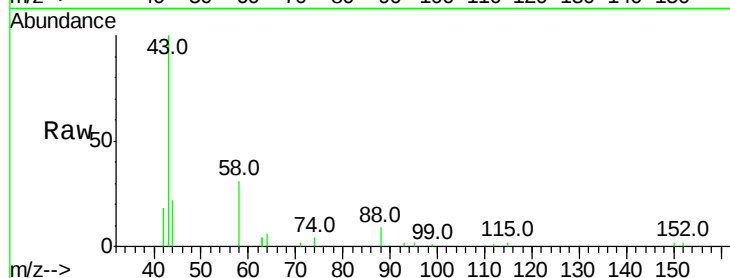
Tot Ion: 42 Resp: 658

Ion Ratio Lower Upper

42 100

74 87.1 104.0 156.0#

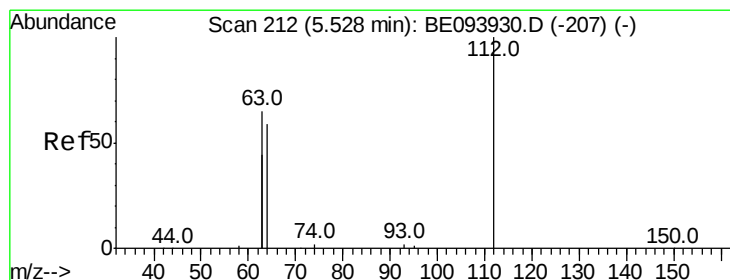
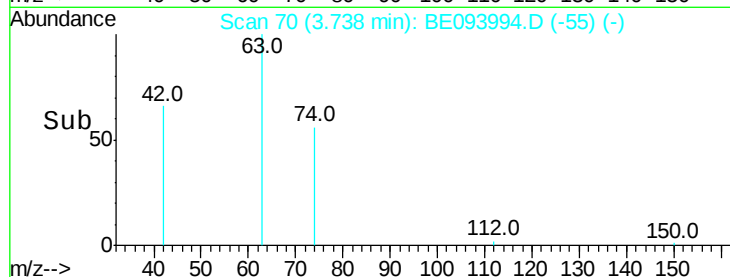
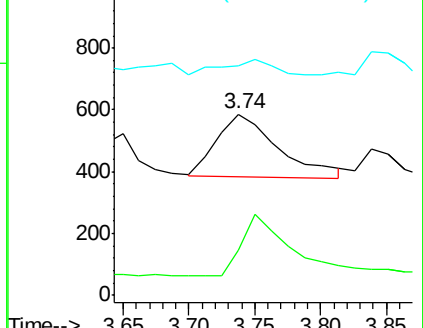
44 18.2 13.8 20.8



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: 0.192 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

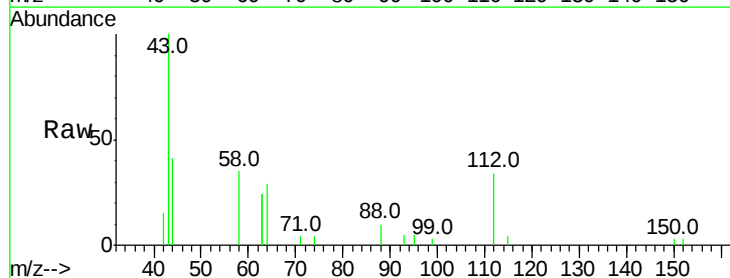
Tgt Ion: 112 Resp: 1076

Ion Ratio Lower Upper

112 100

64 77.6 57.7 86.5

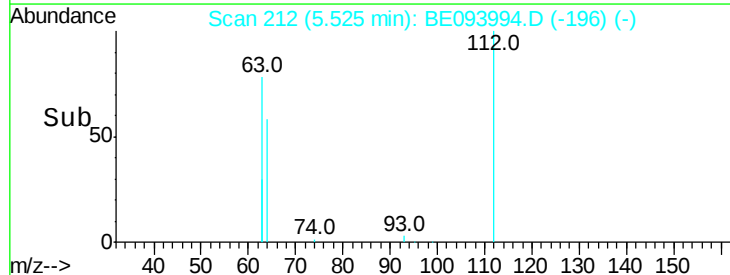
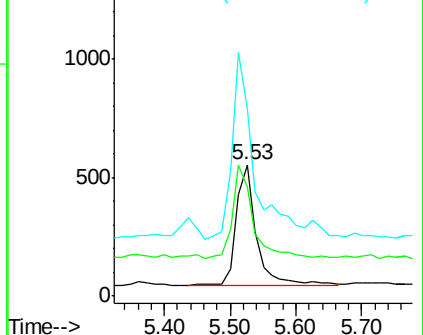
63 182.1 116.0 174.0#

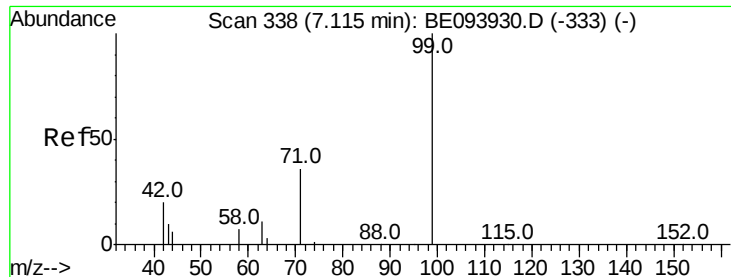


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.114 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

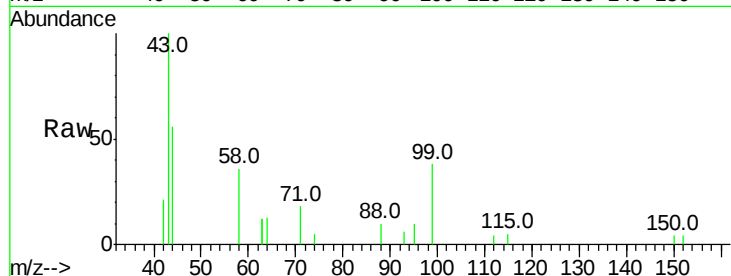
Tot Ion: 99 Resp: 956

Ion Ratio Lower Upper

99 100

42 23.6 17.1 25.7

71 37.7 26.6 39.8



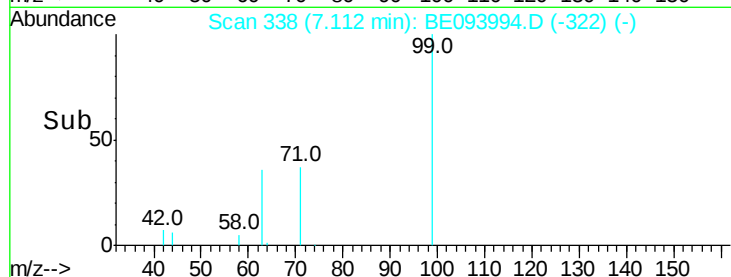
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

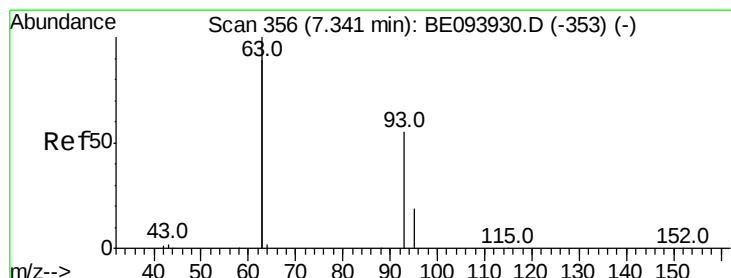
Ion 71.00 (70.70 to 71.70): BE0

7.11

Time-->



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.374 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

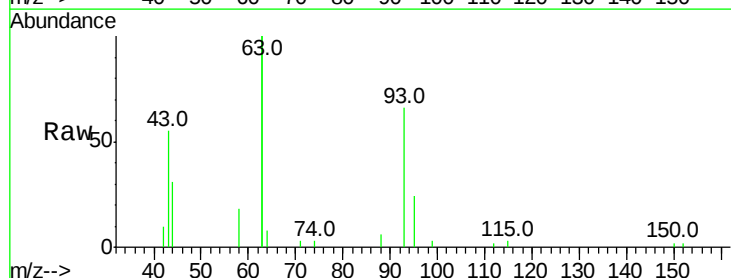
Tgt Ion: 93 Resp: 2570

Ion Ratio Lower Upper

93 100

63 352.9 283.4 425.2

95 37.3 26.9 40.3



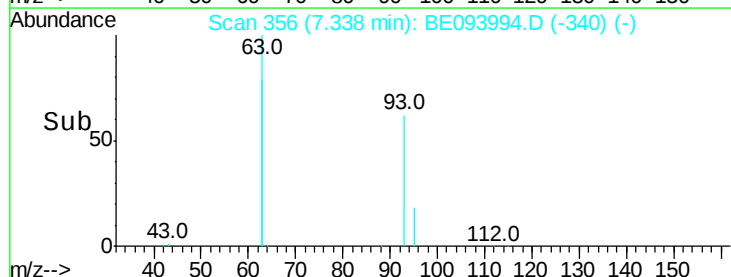
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

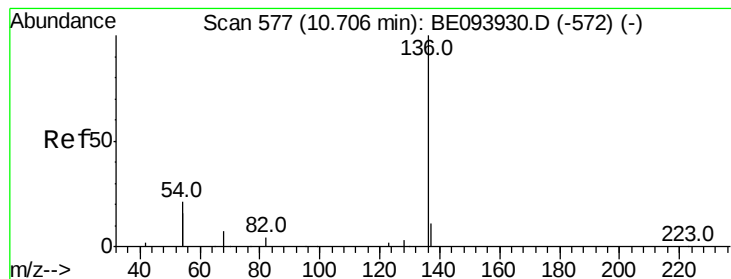
Ion 95.00 (94.70 to 95.70): BE0

7.34

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.800 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

Tot Ion:136 Resp: 19574

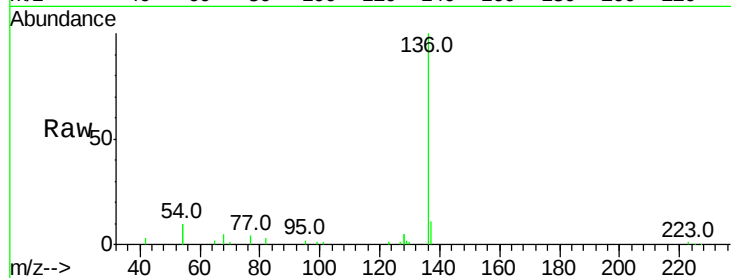
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 20.3 21.9 32.9#

68 4.6 4.6 7.0#

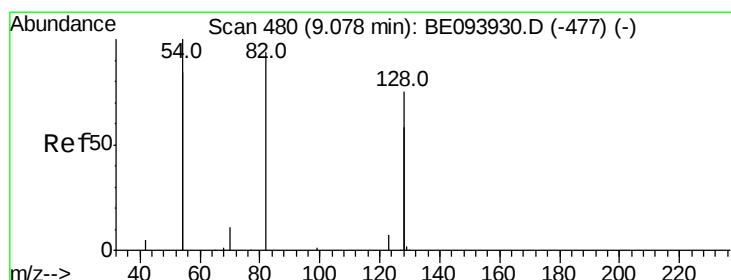
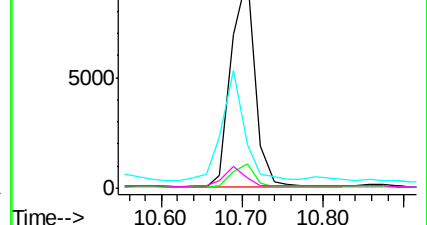
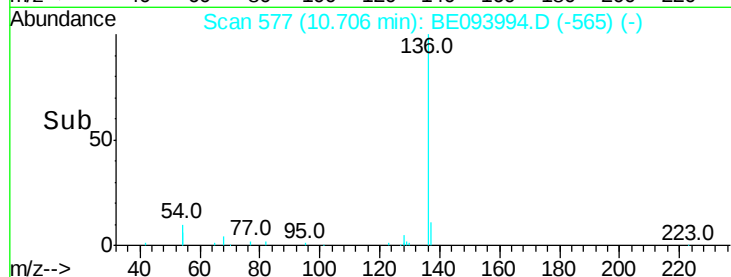


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.395 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

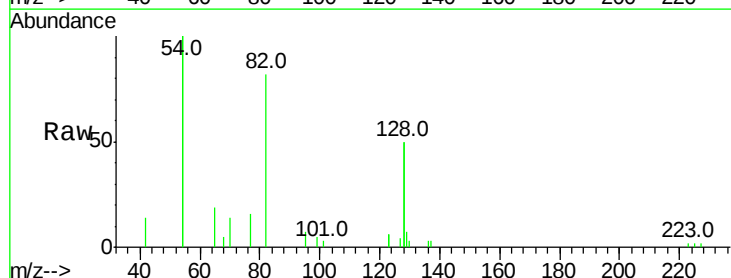
Tgt Ion: 82 Resp: 3271

Ion Ratio Lower Upper

82 100

128 123.4 91.4 137.0

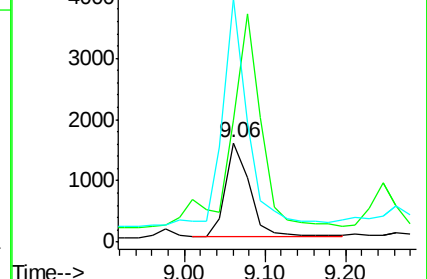
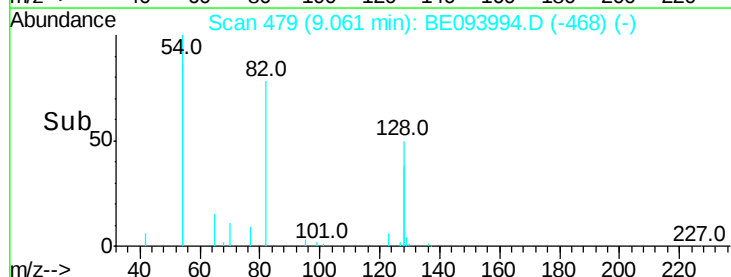
54 245.3 197.8 296.8

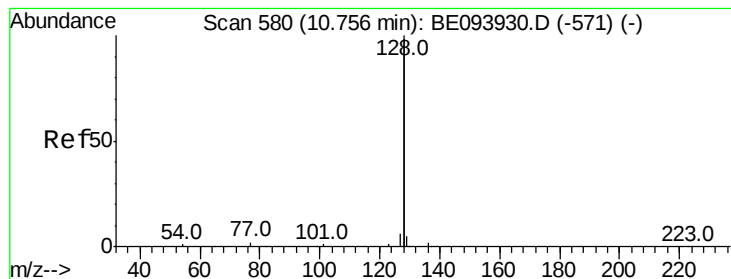


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.708 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

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BNA_E

ClientSampleId :

C19013061MS

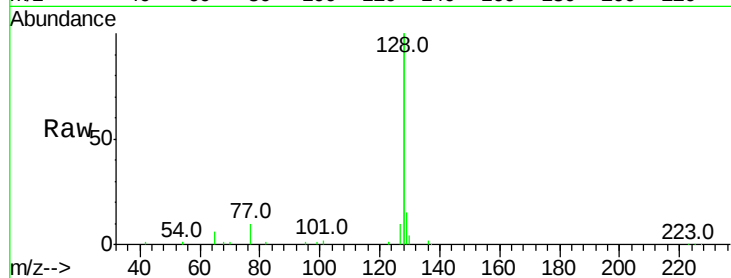
Tot Ion:128 Resp: 79430

Ion Ratio Lower Upper

128 100

129 7.3 2.5 3.7#

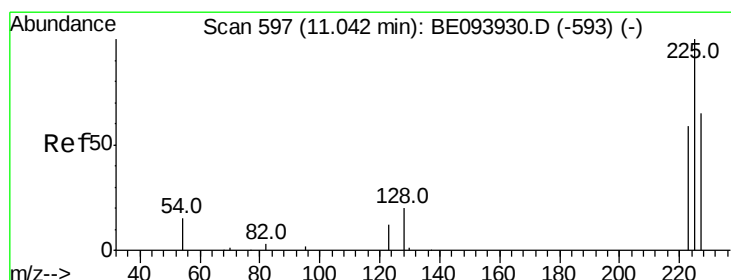
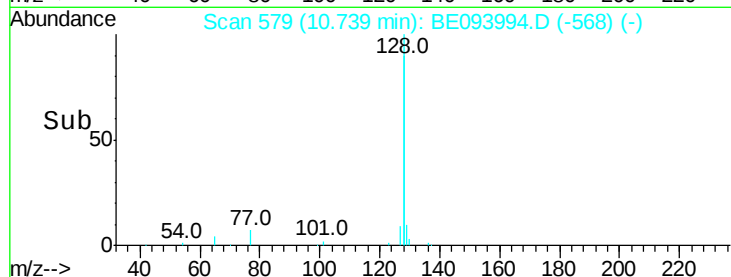
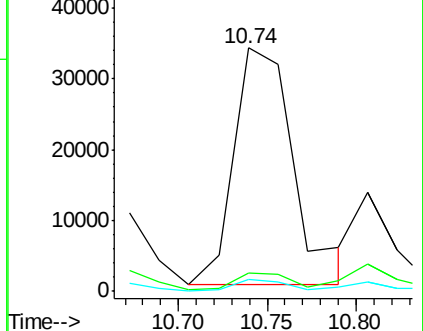
127 4.8 2.6 4.0#



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: 0.301 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

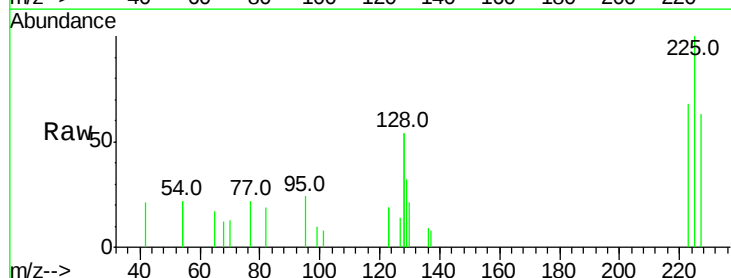
Tgt Ion:225 Resp: 1228

Ion Ratio Lower Upper

225 100

223 67.0 49.4 74.0

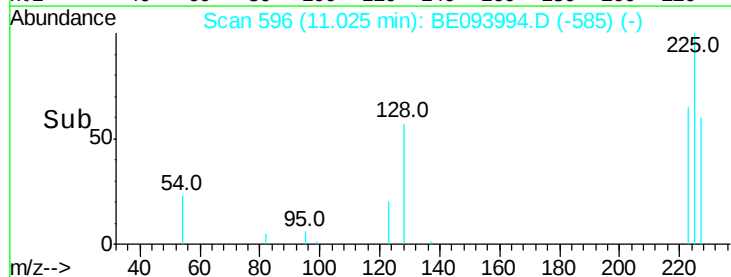
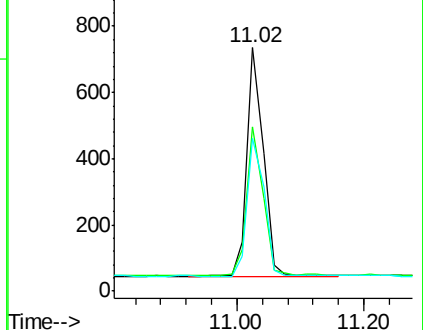
227 64.7 50.5 75.7

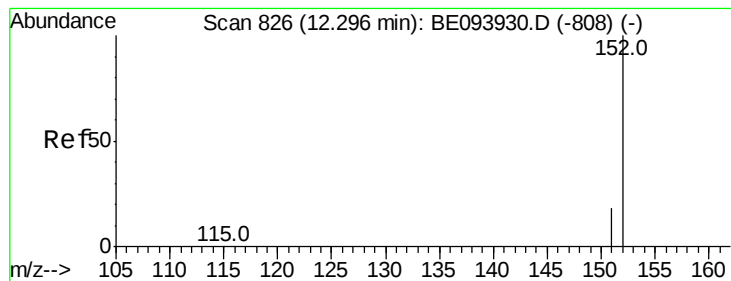


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

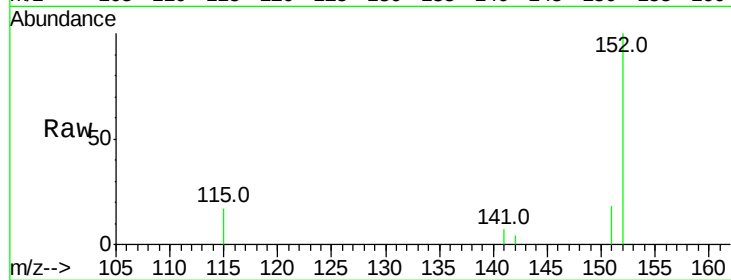
C19013061MS

Tot Ion:152 Resp: 5843

Ion Ratio Lower Upper

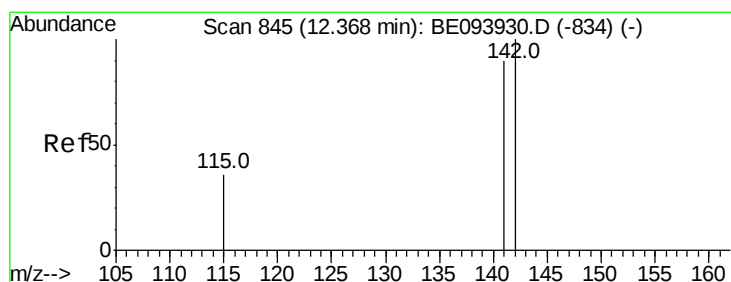
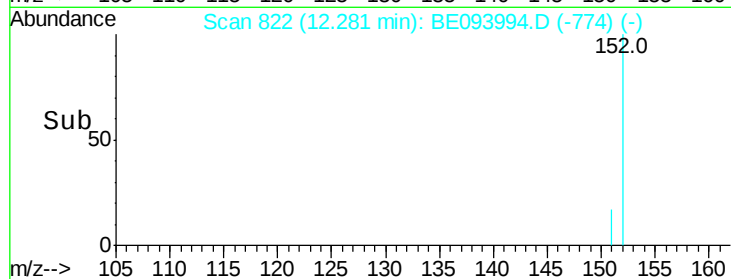
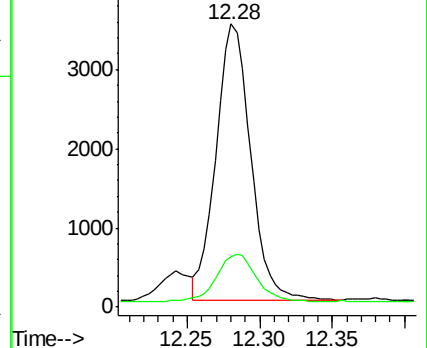
152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.057 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

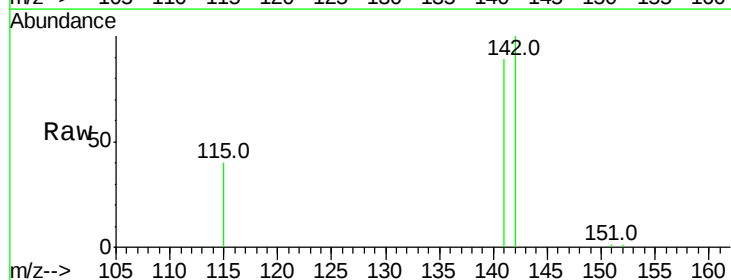
Tgt Ion:142 Resp: 19703

Ion Ratio Lower Upper

142 100

141 88.8 71.4 107.2

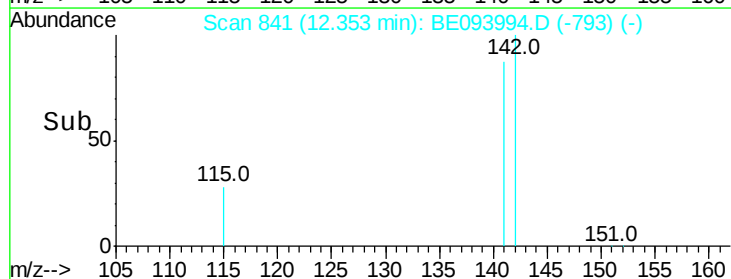
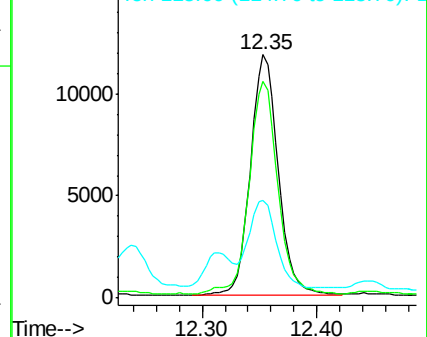
115 40.4 29.4 44.0

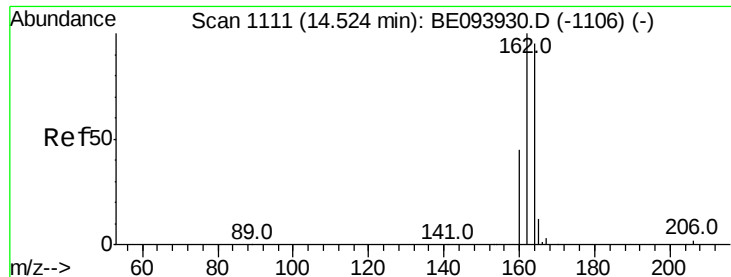


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

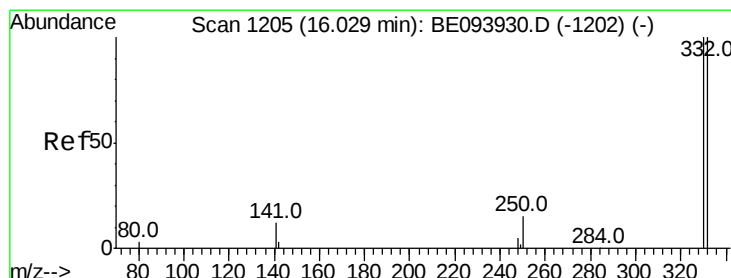
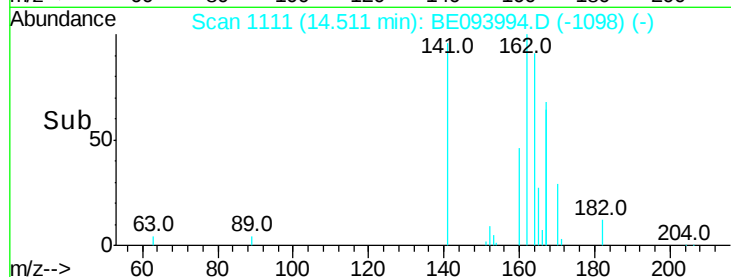
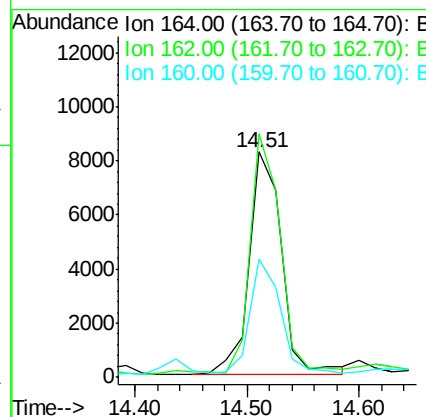
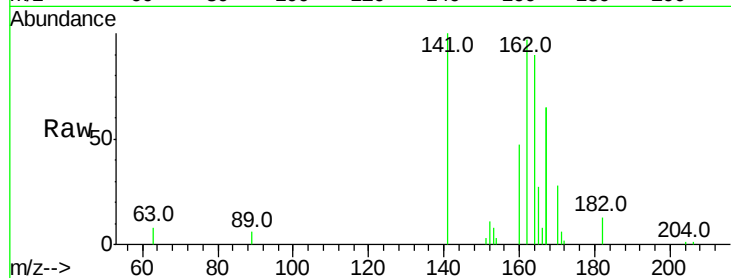




#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

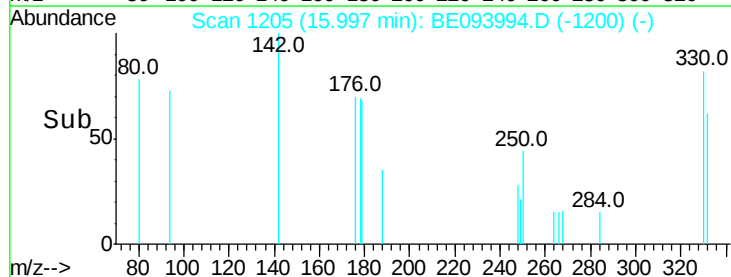
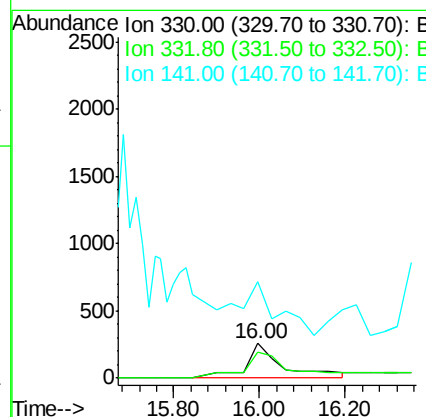
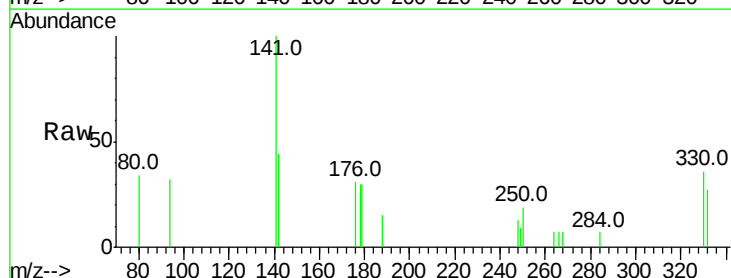
Instrument :
BNA_E
ClientSampleId :
C19013061MS

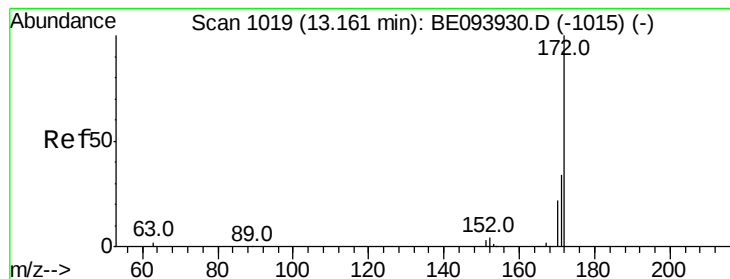
Tot Ion:164 Resp: 16576
Ion Ratio Lower Upper
164 100
162 107.9 80.8 121.2
160 52.4 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.636 ng
RT: 16.00 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

Tgt Ion:330 Resp: 1633
Ion Ratio Lower Upper
330 100
332 89.0 76.9 115.3
141 102.1 0.0 0.0#





#15

2-Fluorobiphenyl

Concen: 0.289 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

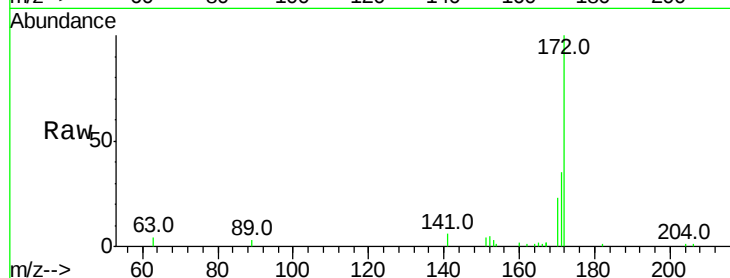
BNA_E

ClientSampleId :

C19013061MS

Tot Ion:172 Resp: 9469

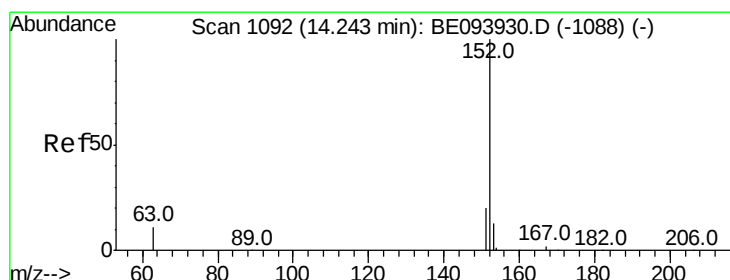
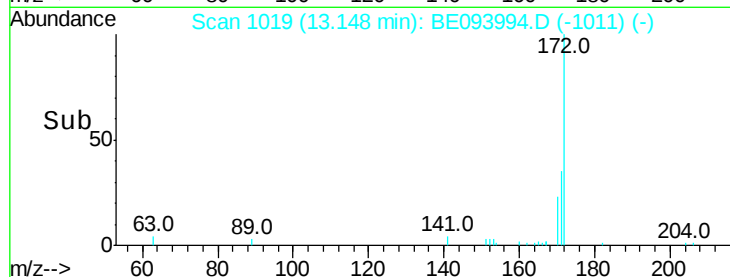
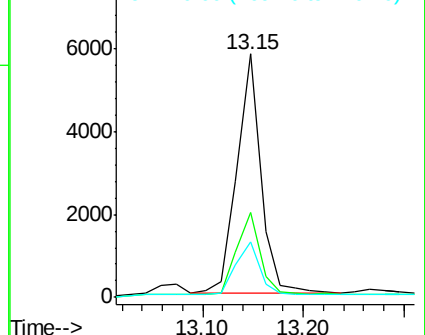
Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.9	40.3
170	22.9	17.3	25.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.627 ng

RT: 14.24 min Scan# 1093

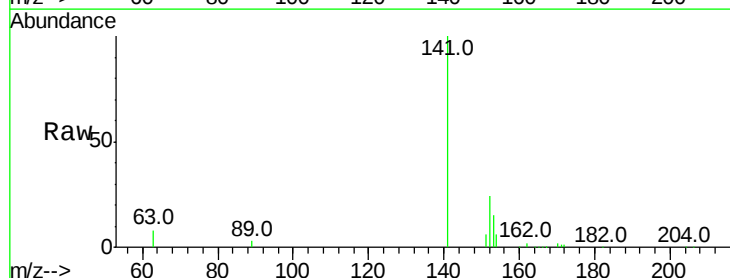
Delta R.T. 0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Tgt Ion:152 Resp: 25952

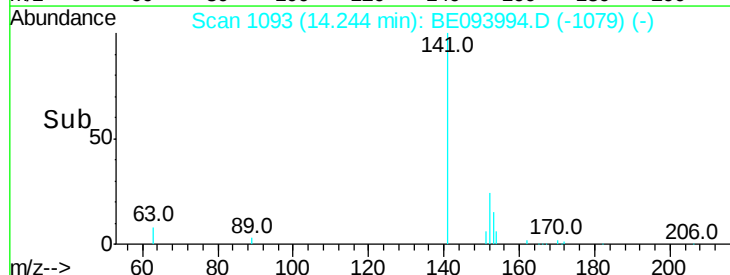
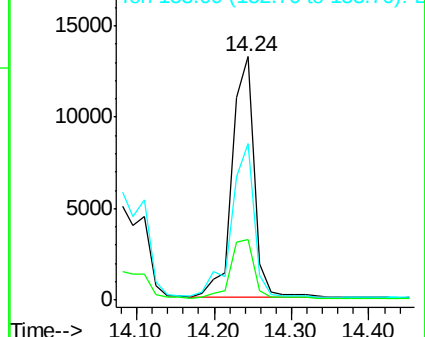
Ion	Ratio	Lower	Upper
152	100		
151	26.3	15.7	23.5#
153	66.9	10.6	16.0#

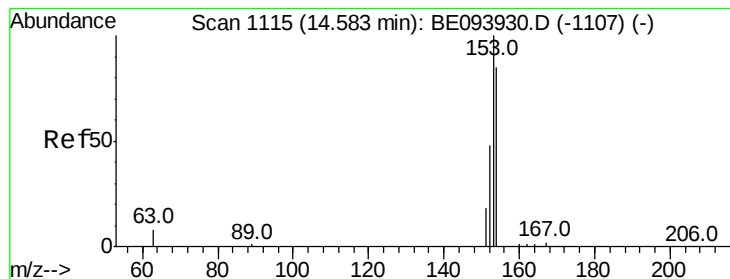


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.301 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

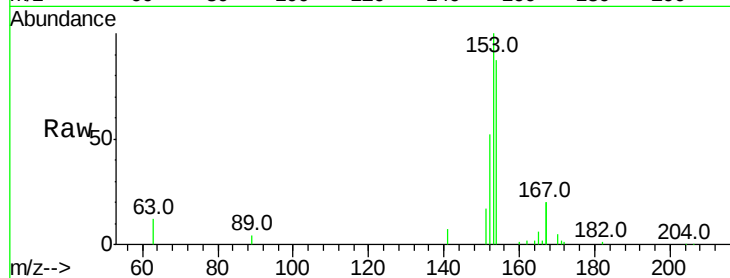
Tot Ion:154 Resp: 36361

Ion Ratio Lower Upper

154 100

153 127.7 91.8 137.6

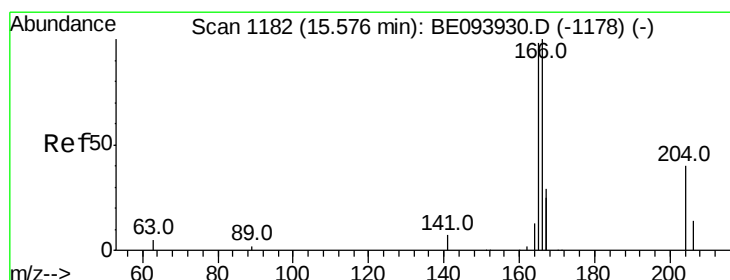
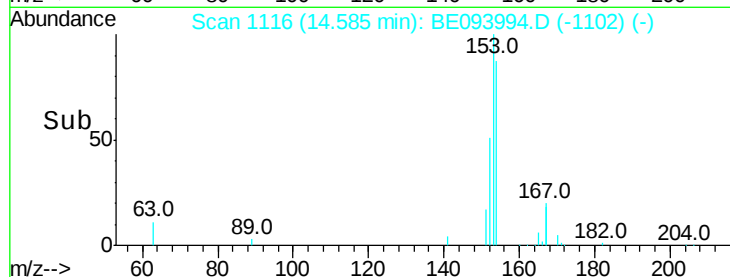
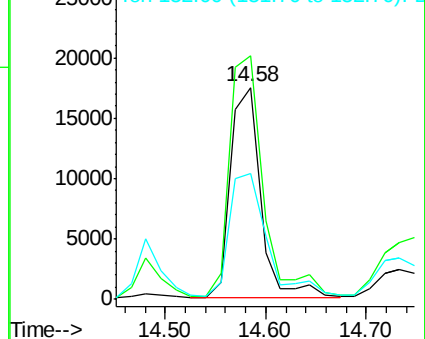
152 74.0 44.9 67.3#



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: 2.382 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

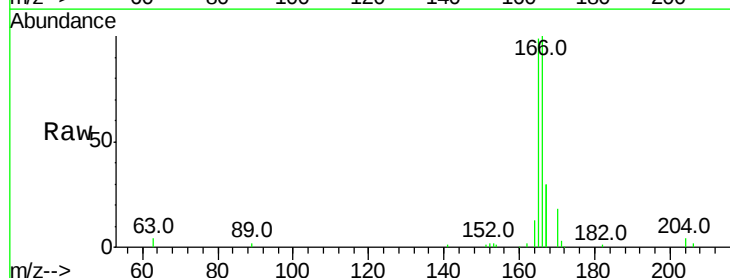
Tgt Ion:166 Resp: 85893

Ion Ratio Lower Upper

166 100

165 97.4 79.4 119.0

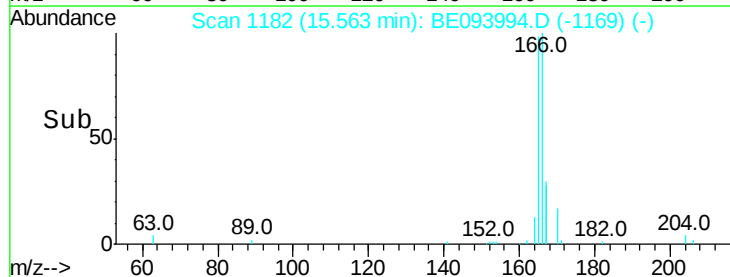
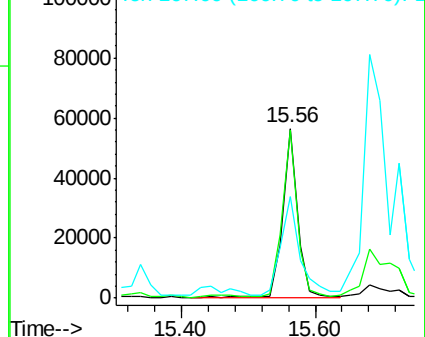
167 73.6 43.5 65.3#

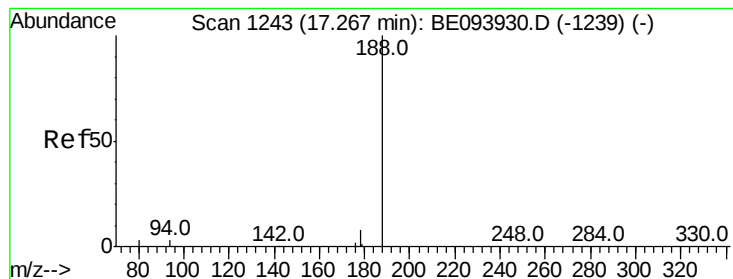


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.800 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

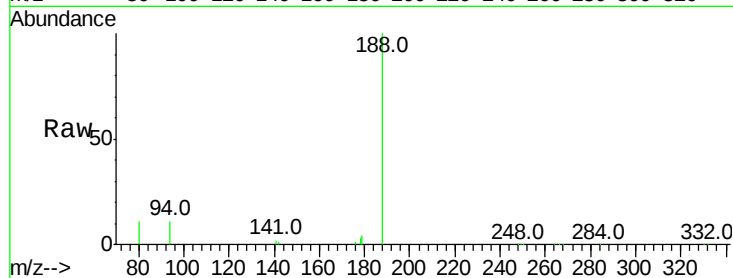
Tot Ion:188 Resp: 44612

Ion Ratio Lower Upper

188 100

94 10.8 16.1 24.1#

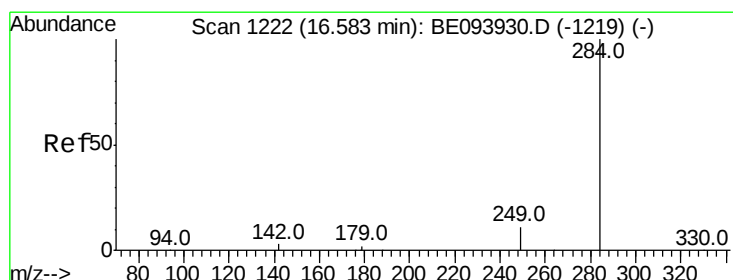
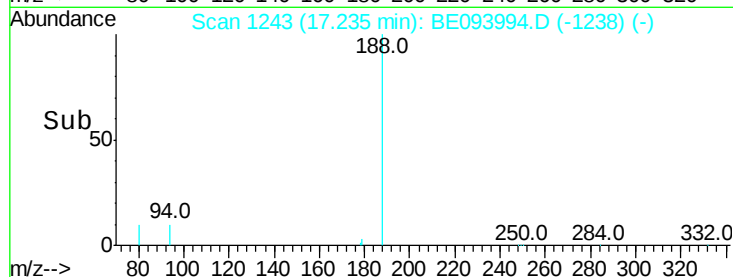
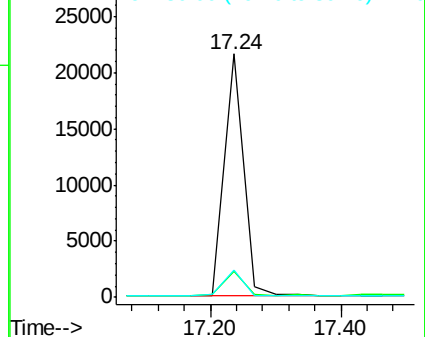
80 11.0 18.2 27.2#



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



#21

Hexachlorobenzene

Concen: 0.109 ng

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

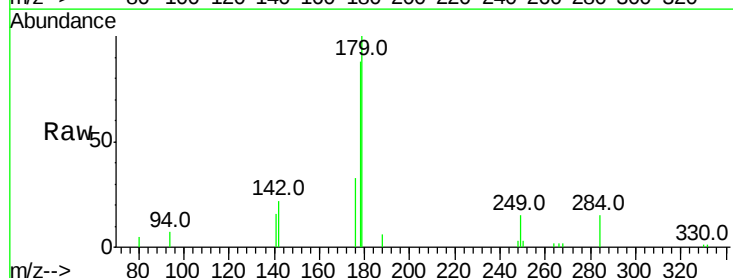
Tgt Ion:284 Resp: 1441

Ion Ratio Lower Upper

284 100

142 80.8 0.0 0.0#

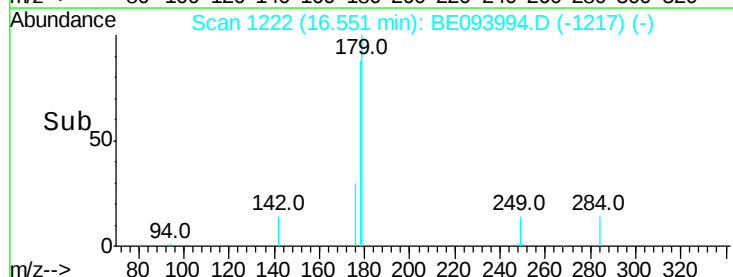
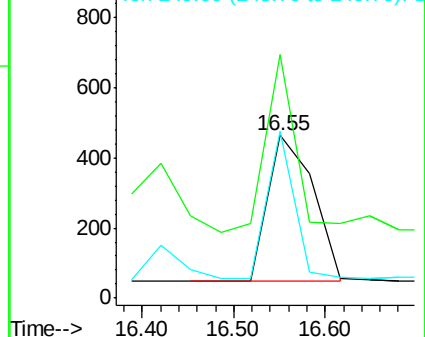
249 59.3 0.0 0.0#

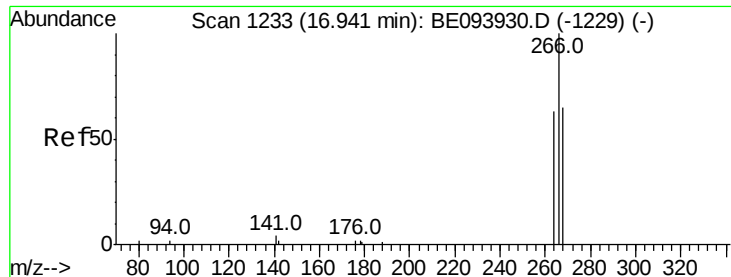


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

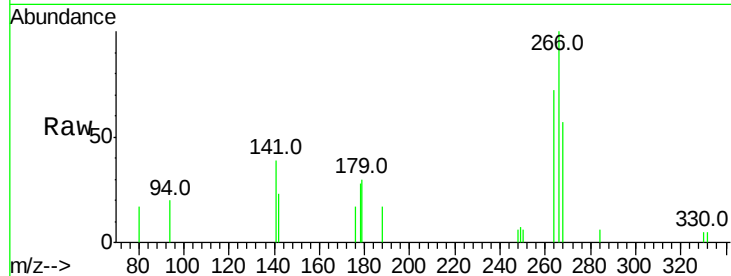




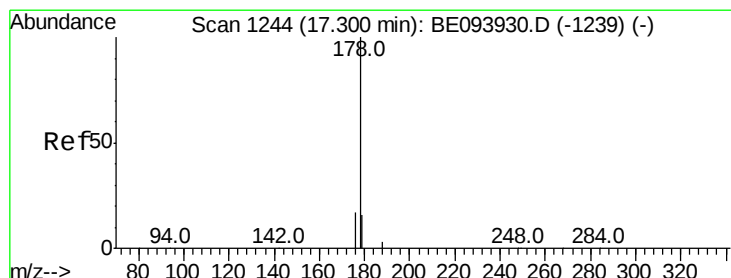
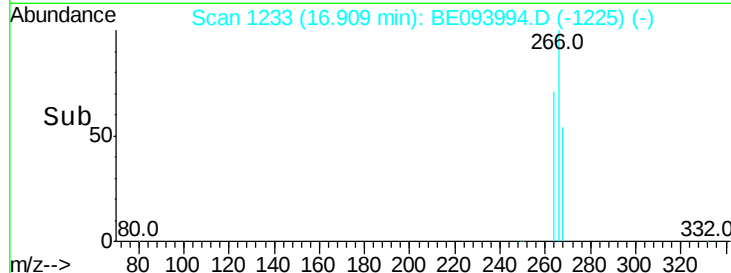
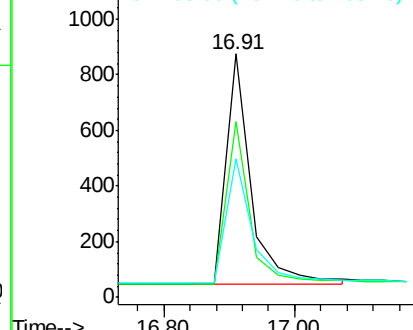
#22
 Pentachlorophenol
 Concen: 0.616 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. -0.03 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

Tot Ion:266 Resp: 2179
 Ion Ratio Lower Upper
 266 100
 264 72.3 53.5 80.3
 268 57.0 60.0 90.0#

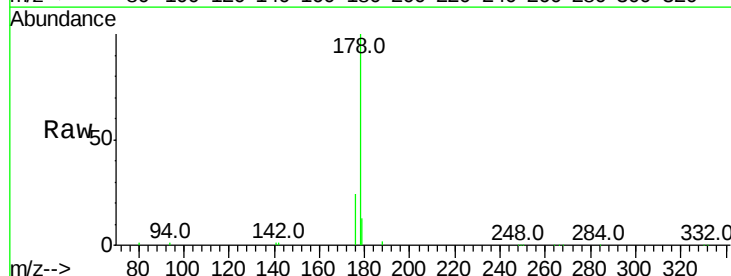


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

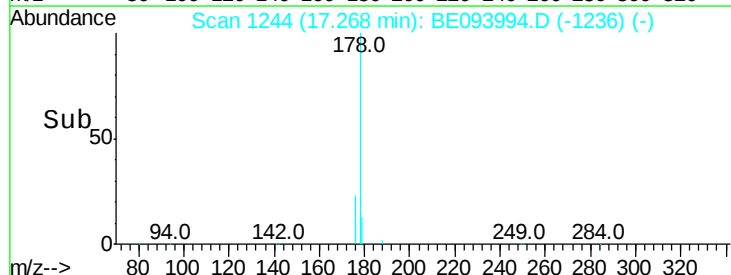
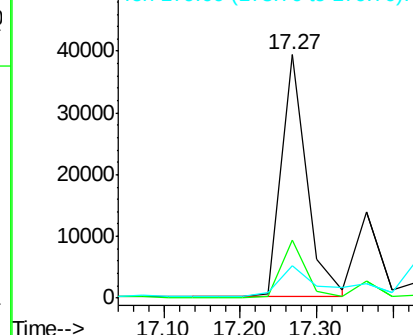


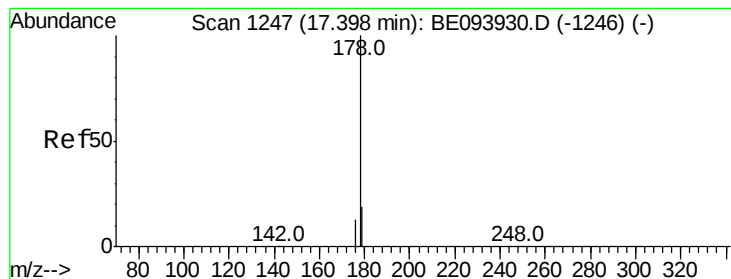
#23
 Phenanthrene
 Concen: 1.429 ng
 RT: 17.27 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Tgt Ion:178 Resp: 91867
 Ion Ratio Lower Upper
 178 100
 176 22.0 0.0 0.0#
 179 18.4 12.6 18.8



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: 0.436 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

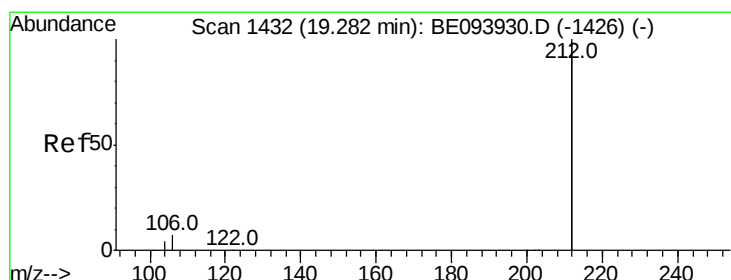
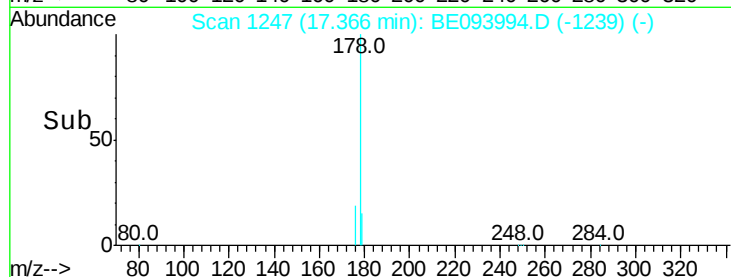
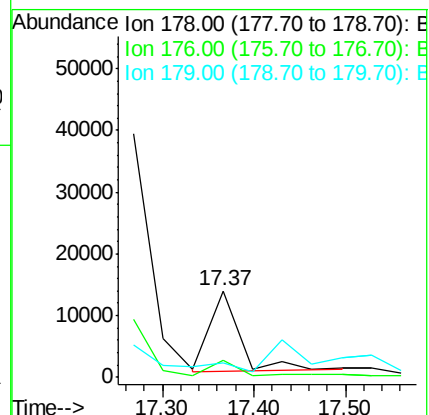
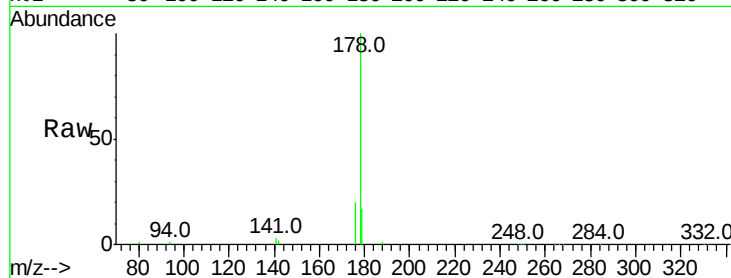
Tot Ion:178 Resp: 29619

Ion Ratio Lower Upper

178 100

176 20.4 16.0 24.0

179 0.0 0.0 0.0



#25

Fluoranthene-d10

Concen: 0.190 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

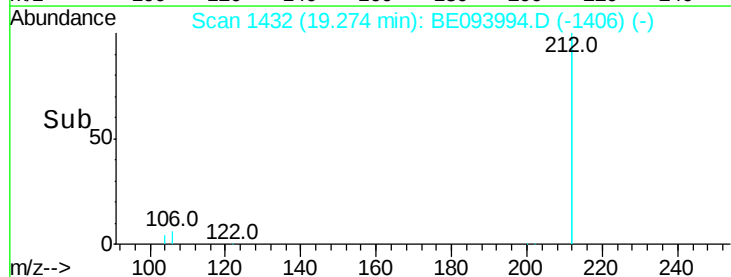
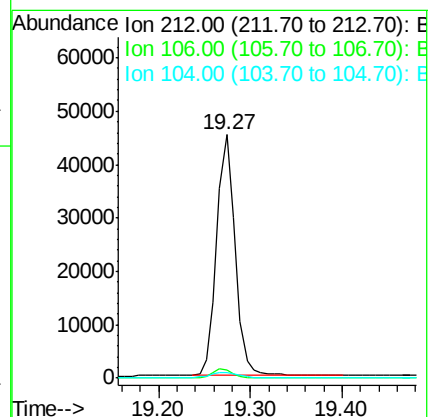
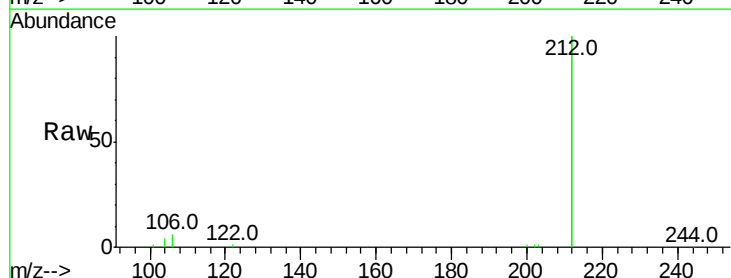
Tgt Ion:212 Resp: 63302

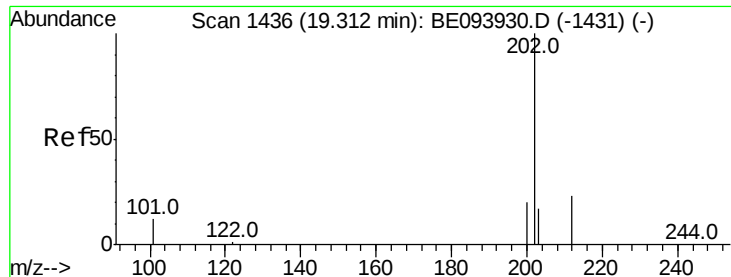
Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

104 2.9 1.6 2.4#

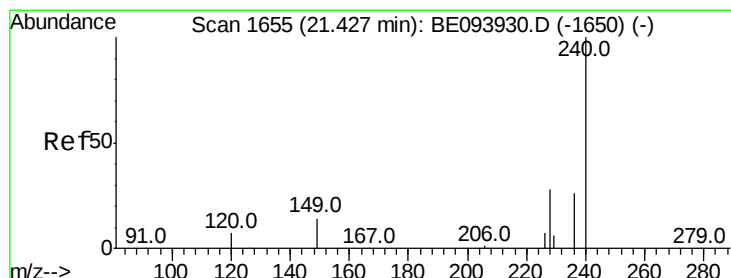
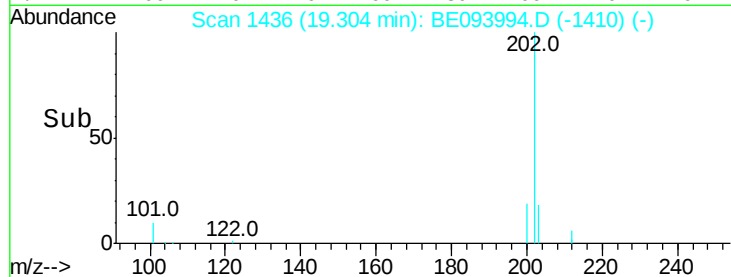
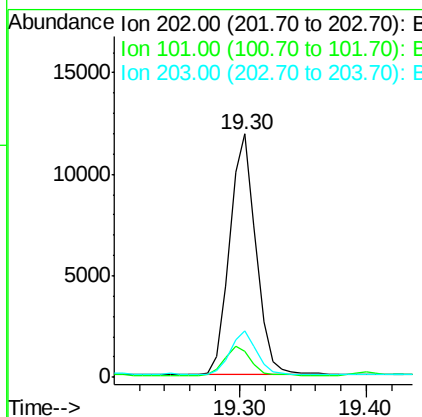
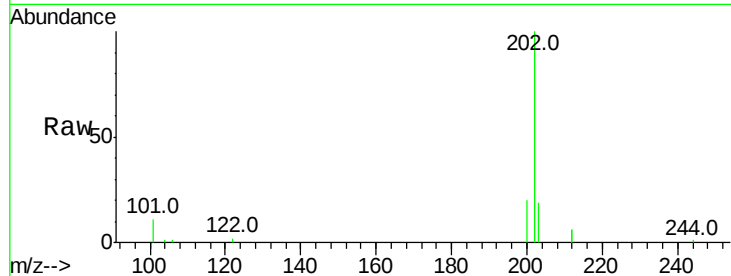




#26
 Fluoranthene
 Concen: 0.172 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

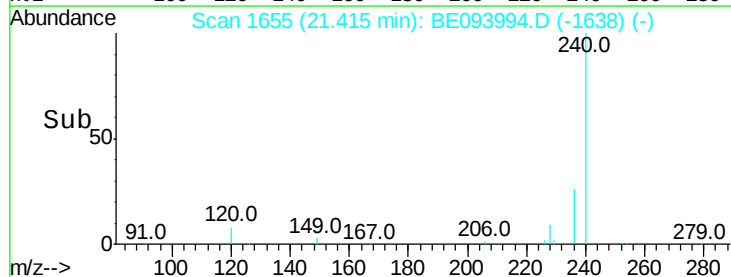
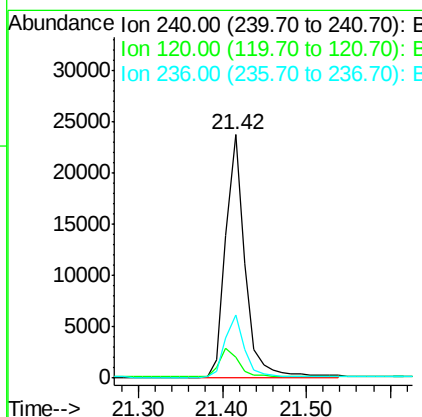
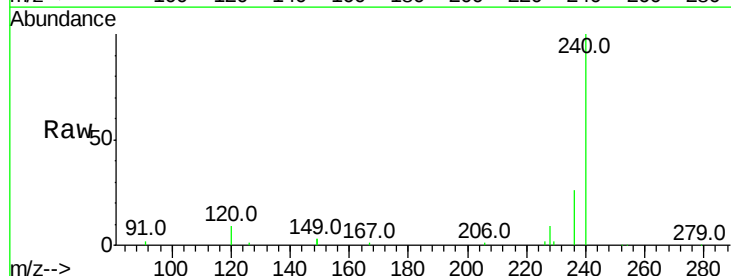
Instrument :
 BNA_E
 ClientSampleId :
 C19013061MS

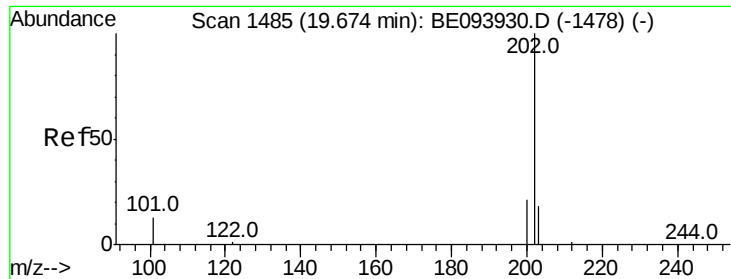
Tot Ion:202 Resp: 17119
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.7 14.5
 203 17.8 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.800 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093994.D
 Acq: 13 Sep 2017 18:09

Tgt Ion:240 Resp: 37735
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.7 13.1#
 236 26.1 21.3 31.9





#28

Pvrene

Concen: 0.277 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

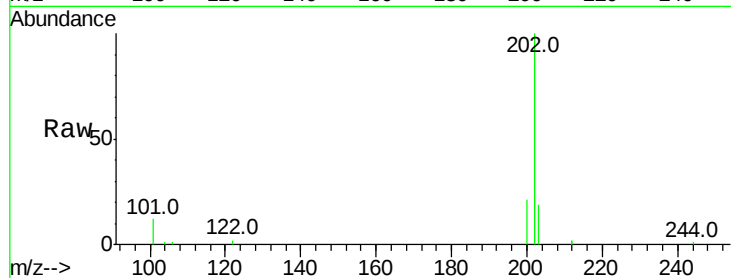
Tot Ion:202 Resp: 17961

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

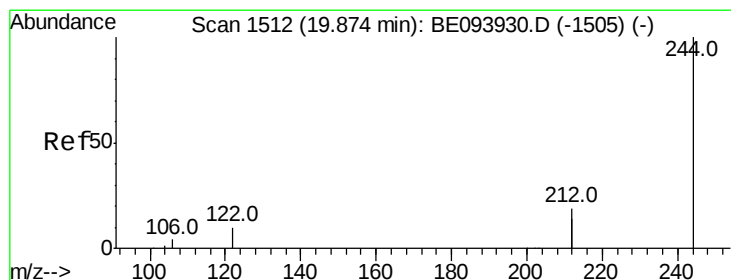
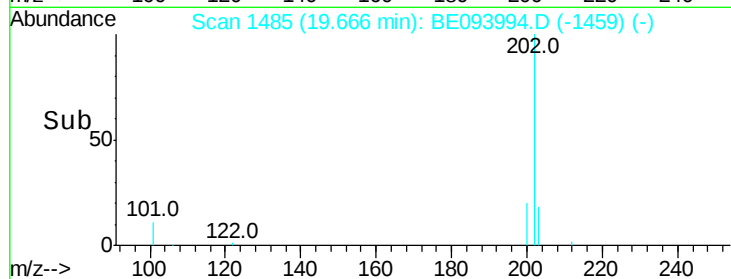
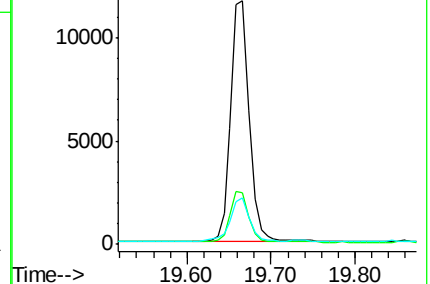
203 18.6 14.2 21.4



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: 0.368 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.02 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

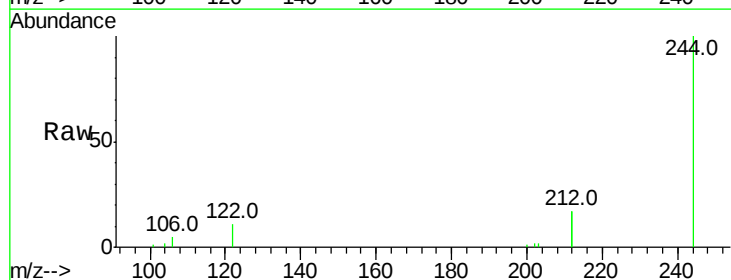
Tgt Ion:244 Resp: 12763

Ion Ratio Lower Upper

244 100

212 34.7 28.3 42.5

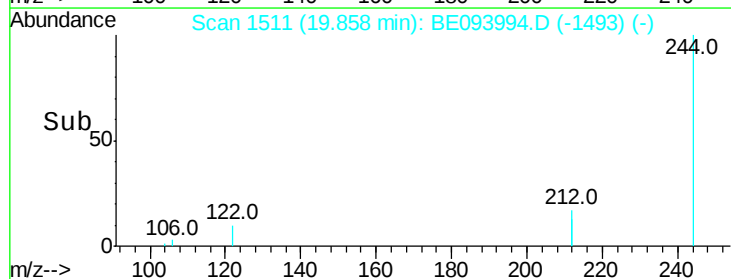
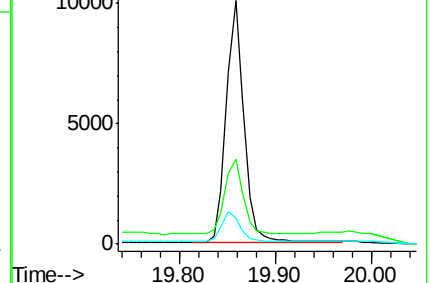
122 10.8 9.4 14.0

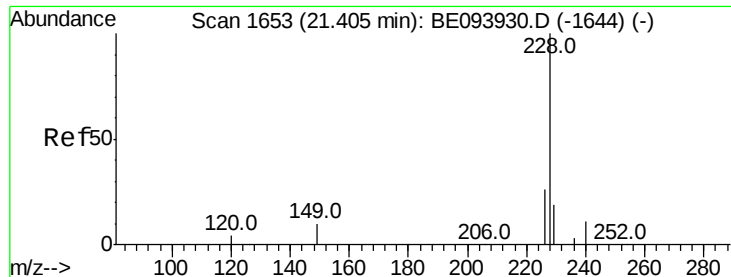


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.259 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

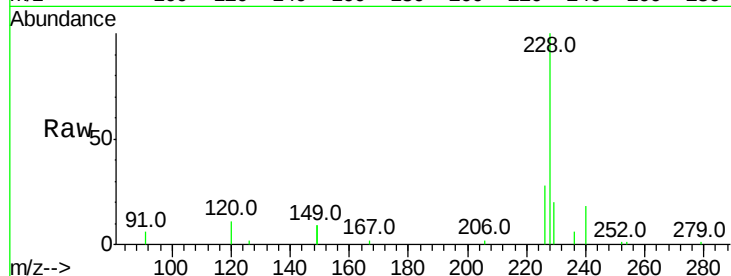
Tot Ion:228 Resp: 14999

Ion Ratio Lower Upper

228 100

226 27.9 20.8 31.2

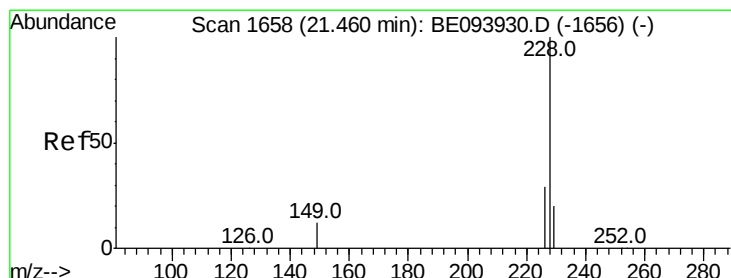
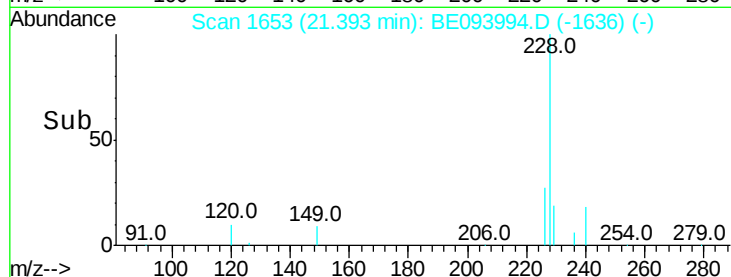
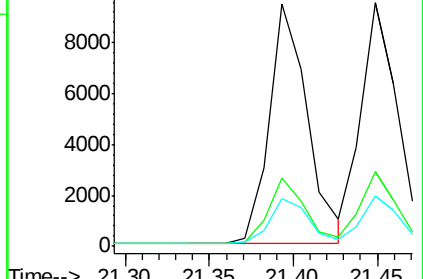
229 19.8 16.6 25.0



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



#31

Chrysene

Concen: 0.250 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

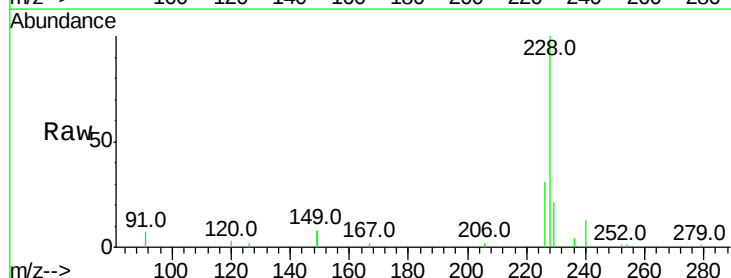
Tgt Ion:228 Resp: 15357

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

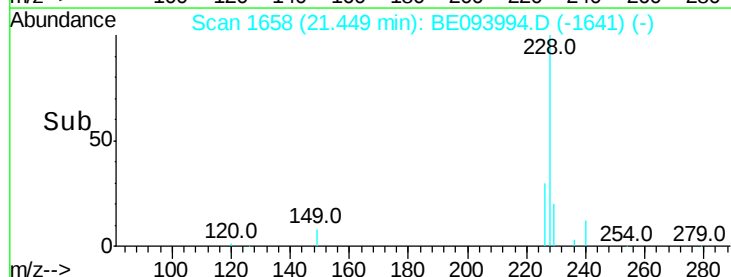
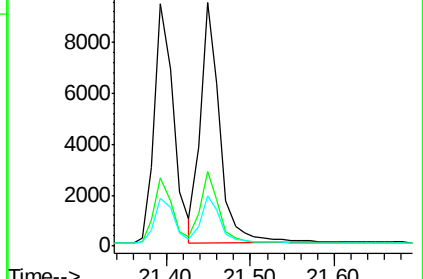
229 20.7 15.8 23.8

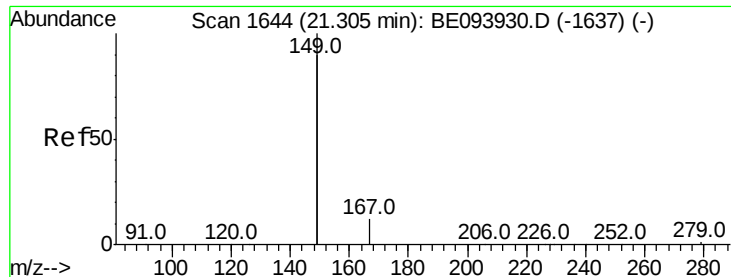


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.365 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

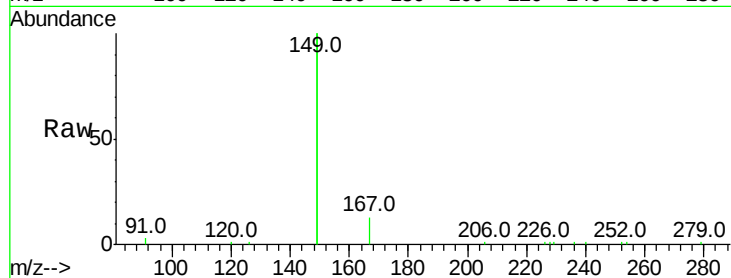
Tot Ion:149 Resp: 51380

Ion Ratio Lower Upper

149 100

167 7.9 5.4 8.0

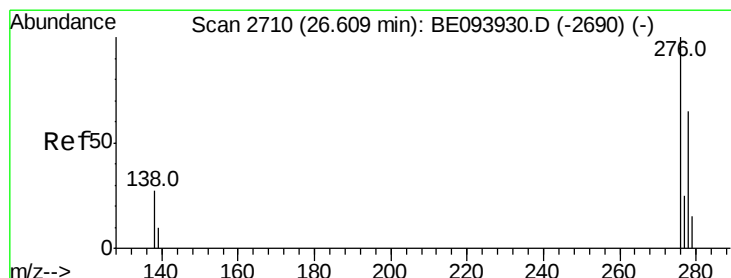
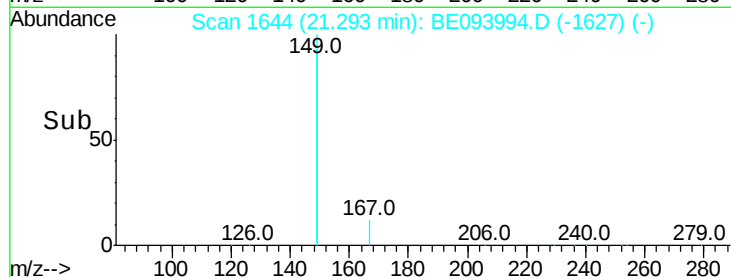
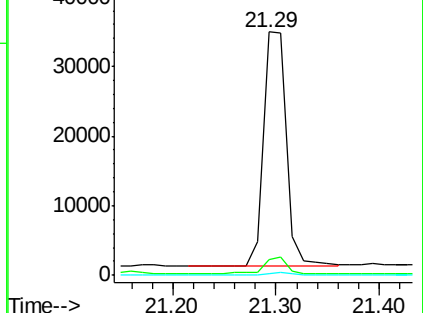
279 0.9 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.203 ng

RT: 26.60 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

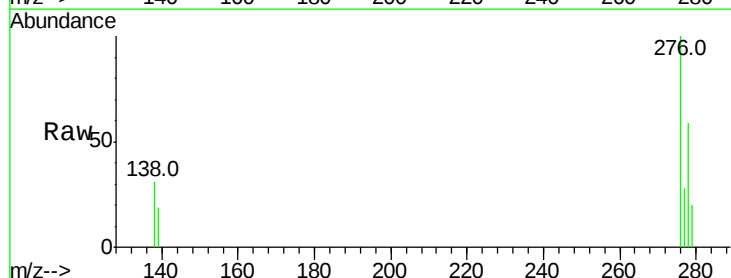
Tgt Ion:276 Resp: 8306

Ion Ratio Lower Upper

276 100

138 24.1 22.2 33.2

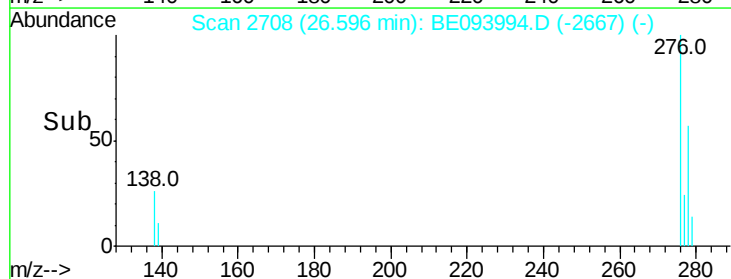
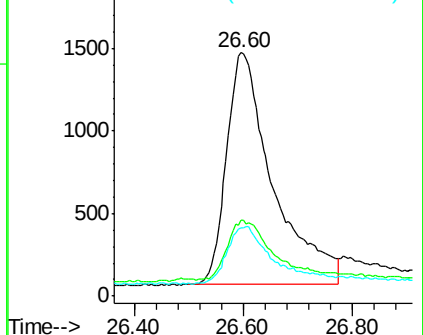
277 25.3 19.5 29.3

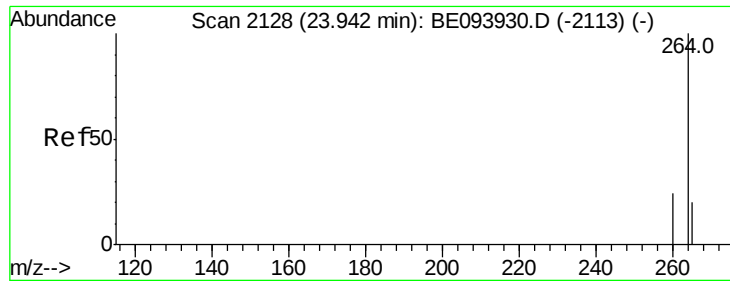


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

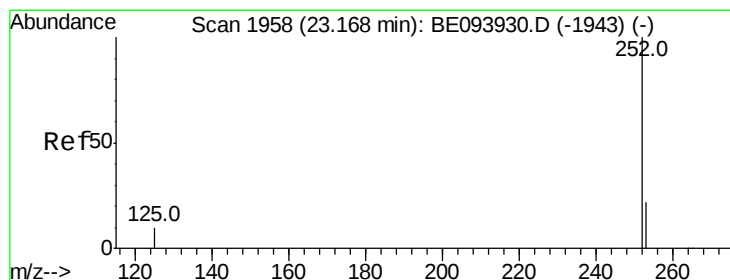
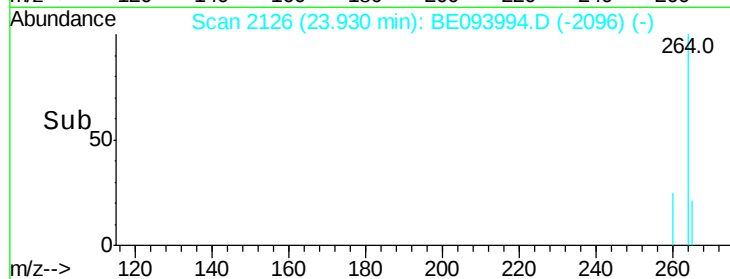
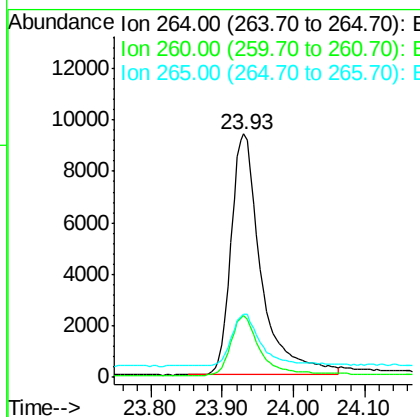
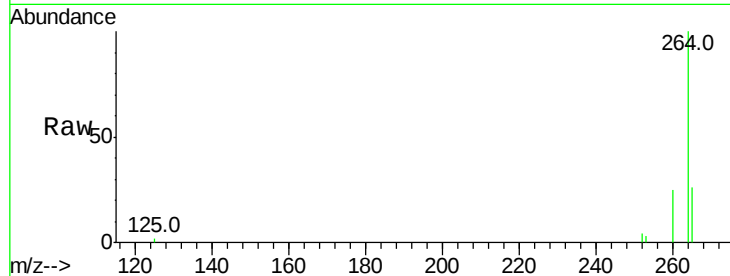




#34
Pervlene-d12
Concen: 0.800 ng
RT: 23.93 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

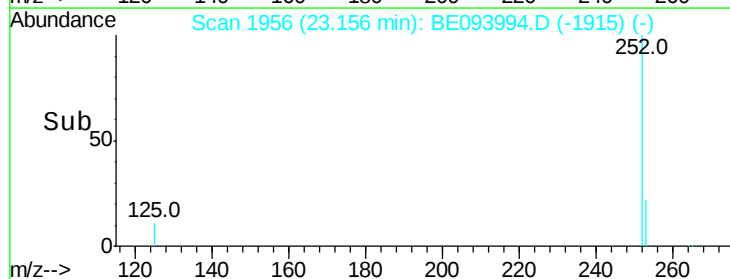
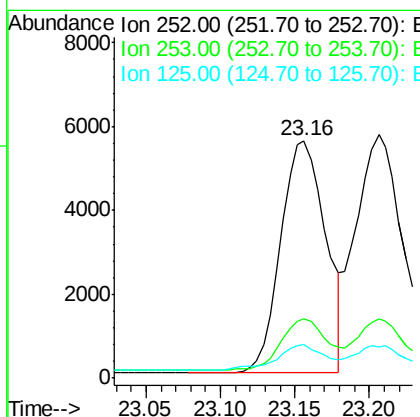
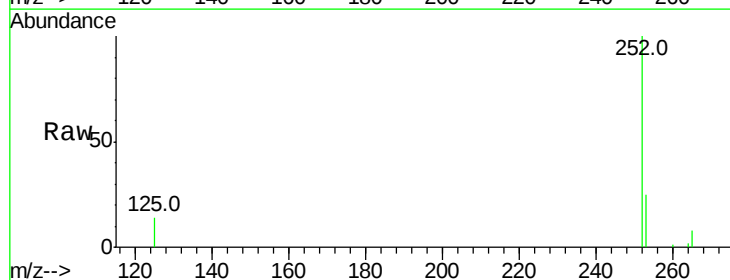
Instrument :
BNA_E
ClientSampleId :
C19013061MS

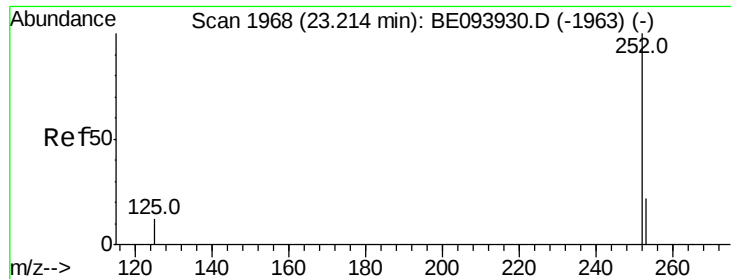
Tot Ion:264 Resp: 27705
Ion Ratio Lower Upper
264 100
260 25.2 20.0 30.0
265 25.9 24.0 36.0



#35
Benzo(b)fluoranthene
Concen: 0.263 ng
RT: 23.16 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE093994.D
Acq: 13 Sep 2017 18:09

Tgt Ion:252 Resp: 11624
Ion Ratio Lower Upper
252 100
253 25.0 19.4 29.0
125 14.0 10.0 15.0





#36

Benzo(k)fluoranthene

Concen: 0.265 ng

RT: 23.21 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

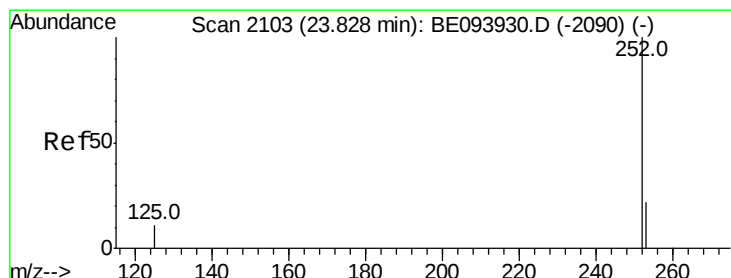
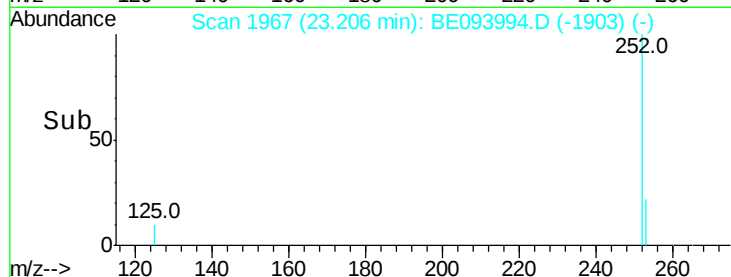
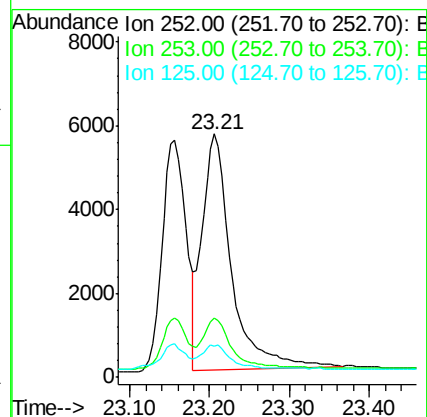
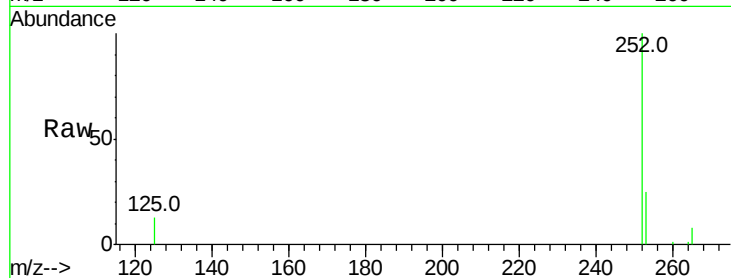
Tot Ion:252 Resp: 14305

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

125 12.9 9.8 14.6



#37

Benzo(a)pyrene

Concen: 0.257 ng

RT: 23.82 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

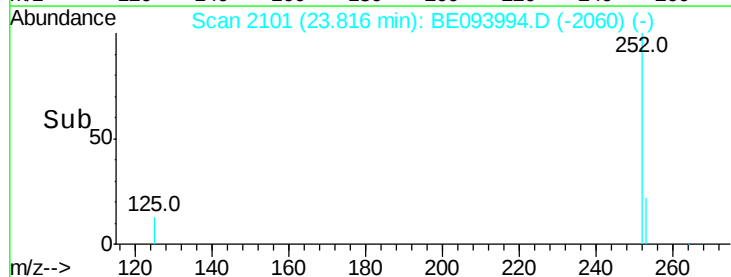
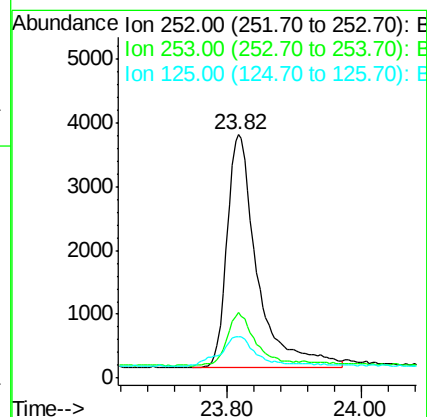
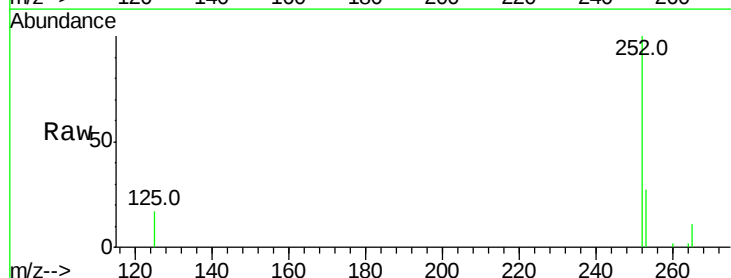
Tgt Ion:252 Resp: 11532

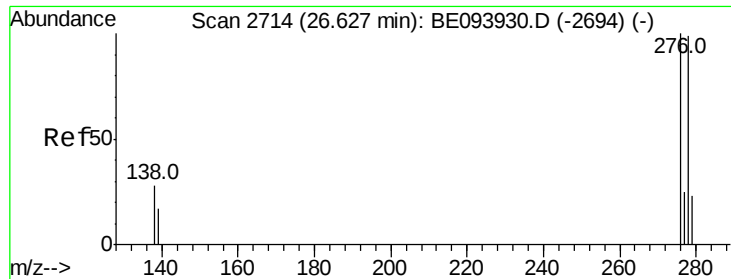
Ion Ratio Lower Upper

252 100

253 26.8 19.6 29.4

125 17.2 11.8 17.8





#38

Dibenzo(a,h)anthracene

Concen: 0.220 ng

RT: 26.61 min Scan# 2712

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

Instrument :

BNA_E

ClientSampleId :

C19013061MS

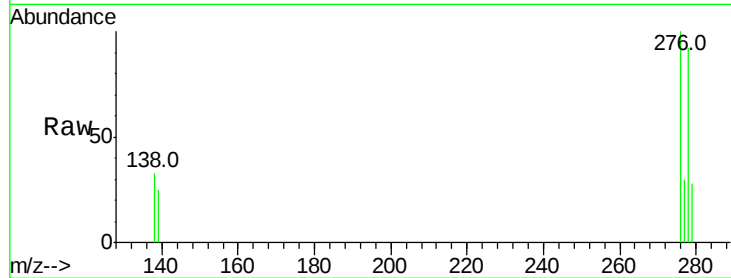
Tot Ion:278 Resp: 6542

Ion Ratio Lower Upper

278 100

139 27.1 16.7 25.1#

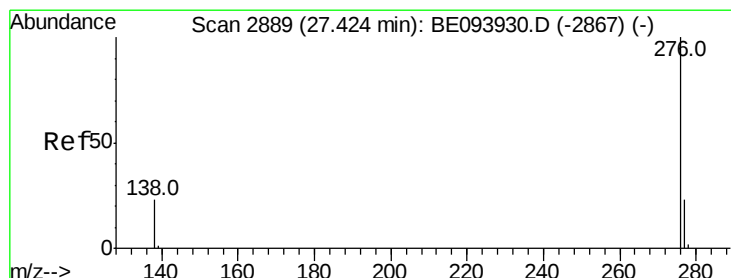
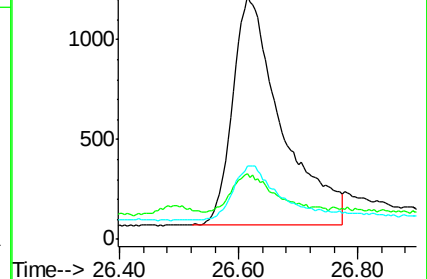
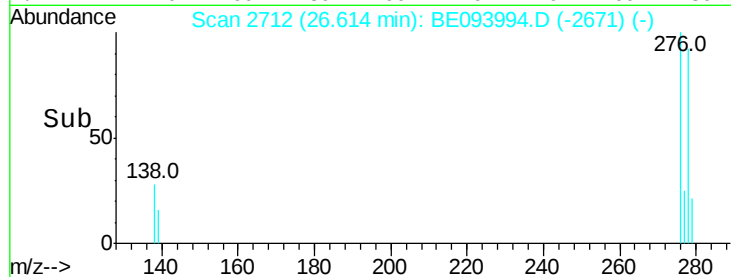
279 30.1 21.6 32.4



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: 0.232 ng

RT: 27.42 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BE093994.D

Acq: 13 Sep 2017 18:09

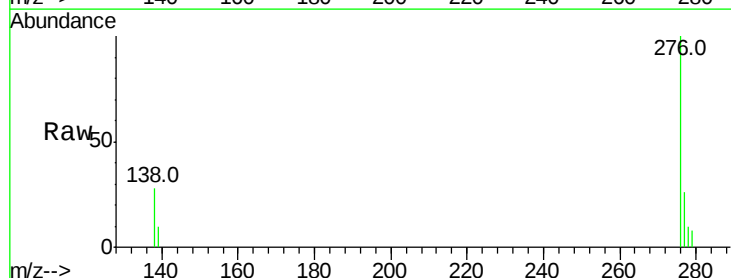
Tgt Ion:276 Resp: 7275

Ion Ratio Lower Upper

276 100

277 26.4 20.6 30.8

138 28.1 21.9 32.9



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

