

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093995.D
 Acq On : 13 Sep 2017 18:48
 Operator : SJ/JU
 Sample : I5167-21MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 C19013061MSD

Quant Time: Sep 14 00:55:36 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	3306	0.80	ng	0.00
7) Naphthalene-d8	10.71	136	18701	0.80	ng	0.00
13) Acenaphthene-d10	14.51	164	15788	0.80	ng	-0.01
19) Phenanthrene-d10	17.24	188	44737	0.80	ng	-0.03
27) Chrysene-d12	21.42	240	35484	0.80	ng	-0.01
34) Perylene-d12	23.93	264	27710	0.80	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	1020	0.19	ng	-0.01
5) Phenol-d6	7.11	99	888	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	3196	0.40	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5587	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	1577	0.65	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9291	0.30	ng	-0.01
25) Fluoranthene-d10	19.27	212	59668	0.18	ng	0.00
29) Terphenyl-d14	19.86	244	12411	0.38	ng	-0.01

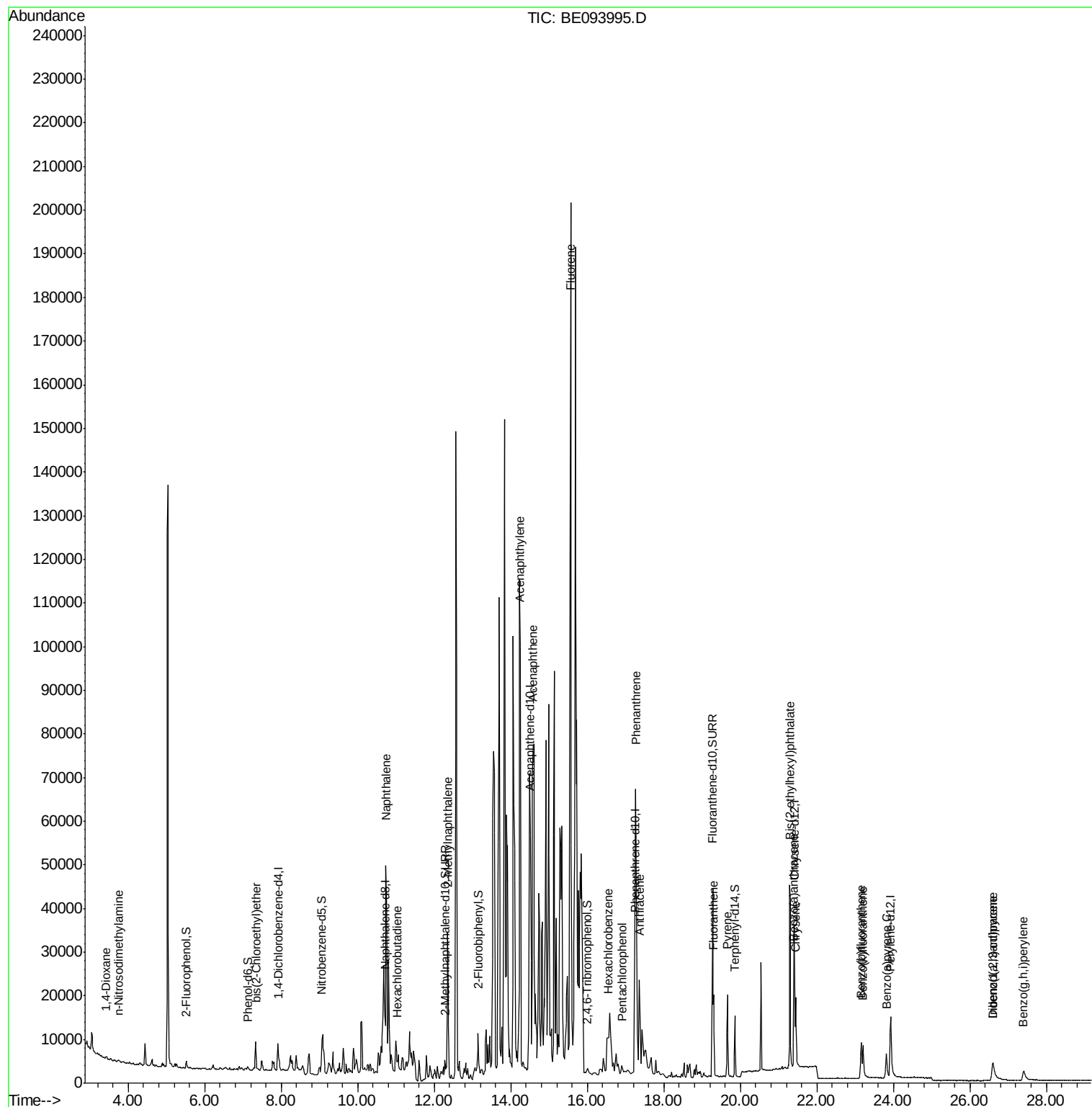
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.43	88	517	0.227	ng	# 41
3) n-Nitrosodimethylamine	3.74	42	481	0.180	ng	# 84
6) bis(2-Chloroethyl)ether	7.34	93	2639	0.402	ng	96
9) Naphthalene	10.74	128	86378	0.806	ng	# 92
10) Hexachlorobutadiene	11.03	225	1331	0.342	ng	99
12) 2-Methylnaphthalene	12.35	142	24630	1.384	ng	98
16) Acenaphthylene	14.24	152	27986	0.710	ng	# 34
17) Acenaphthene	14.58	154	40090	1.506	ng	# 84
18) Fluorene	15.56	166	93636	2.726	ng	# 88
21) Hexachlorobenzene	16.55	284	1504	0.114	ng	# 100
22) Pentachlorophenol	16.91	266	2202	0.621	ng	# 87
23) Phenanthrene	17.27	178	108663	1.754	ng	# 95
24) Anthracene	17.37	178	36125	0.530	ng	# 98
26) Fluoranthene	19.30	202	17537	0.176	ng	99
28) Pyrene	19.66	202	18610	0.305	ng	98
30) Benzo(a)anthracene	21.39	228	15472	0.284	ng	98
31) Chrysene	21.45	228	15434	0.268	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	57226	0.433	ng	98
33) Indeno(1,2,3-cd)pyrene	26.60	276	8992	0.234	ng	95
35) Benzo(b)fluoranthene	23.16	252	12255	0.278	ng	98
36) Benzo(k)fluoranthene	23.21	252	15157	0.280	ng	97
37) Benzo(a)pyrene	23.82	252	12490	0.278	ng	97
38) Dibenzo(a,h)anthracene	26.61	278	7194	0.241	ng	# 92
39) Benzo(g,h,i)perylene	27.40	276	7981	0.254	ng	98

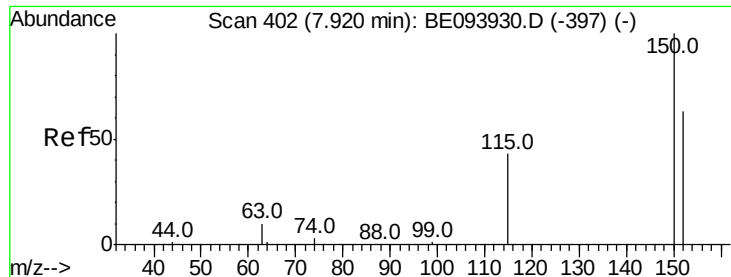
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

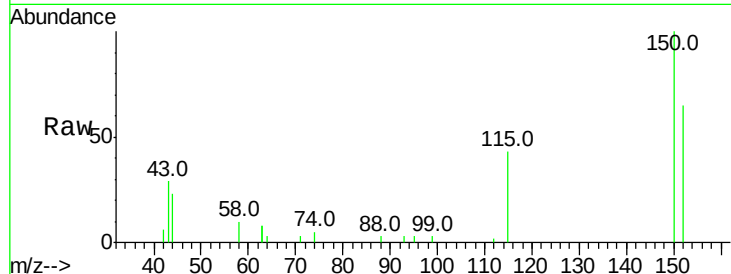
Tot Ion:152 Resp: 3306

Ion Ratio Lower Upper

152 100

150 153.3 121.8 182.6

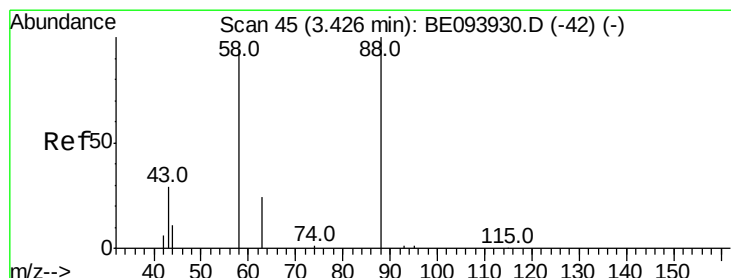
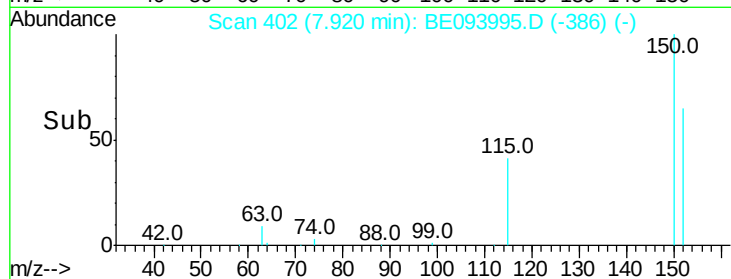
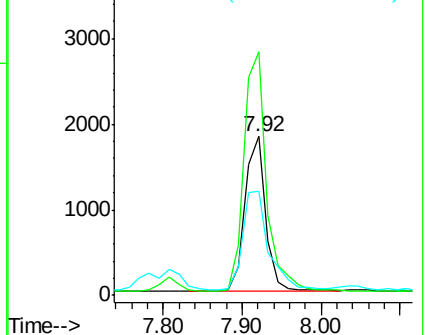
115 65.2 52.6 79.0



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: 0.227 ng

RT: 3.43 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

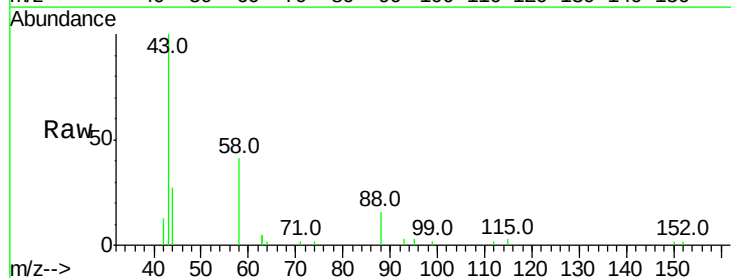
Tgt Ion: 88 Resp: 517

Ion Ratio Lower Upper

88 100

58 135.4 65.4 98.0#

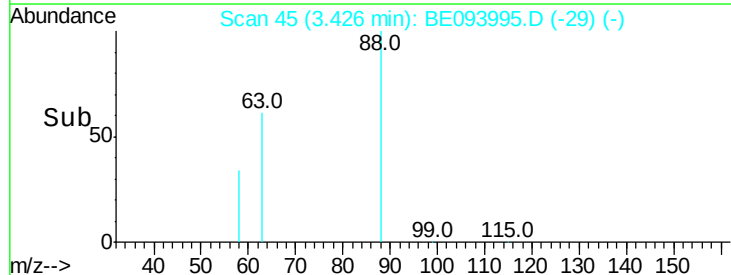
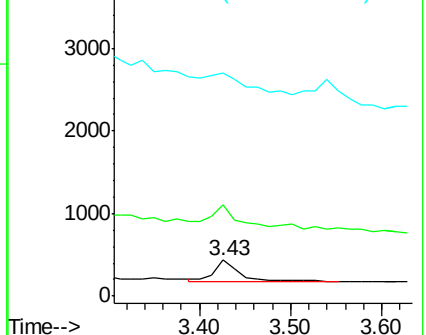
43 0.0 23.9 35.9#

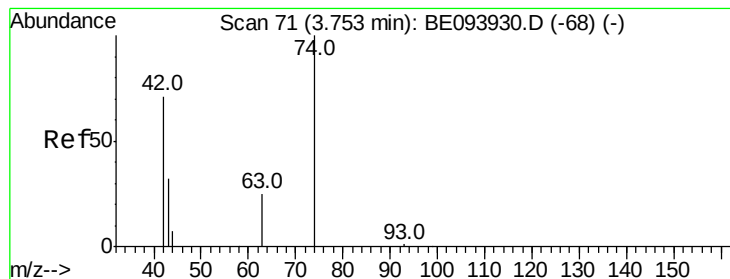


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.180 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

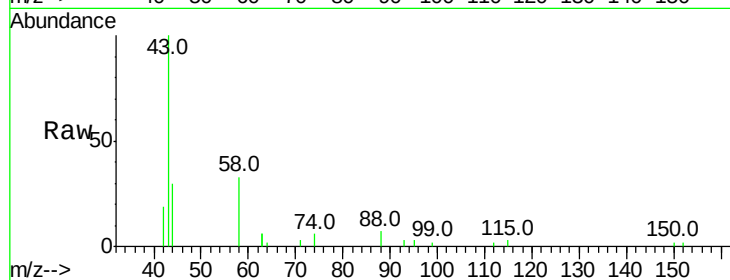
Tot Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

74 114.8 104.0 156.0

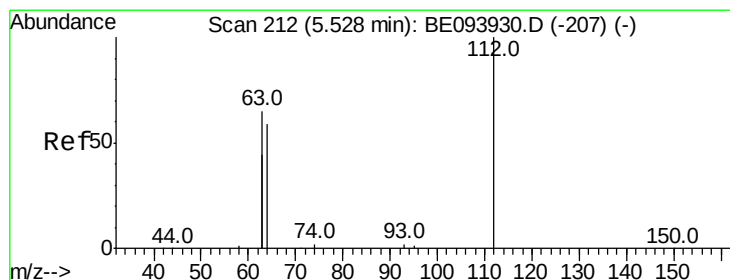
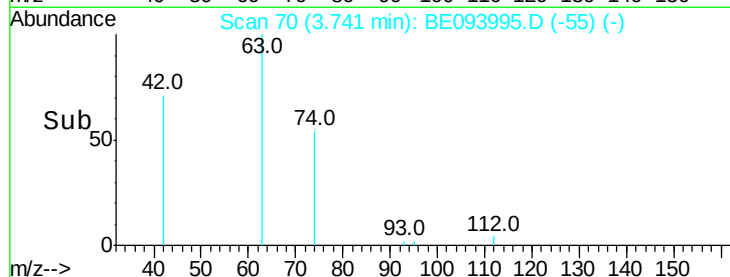
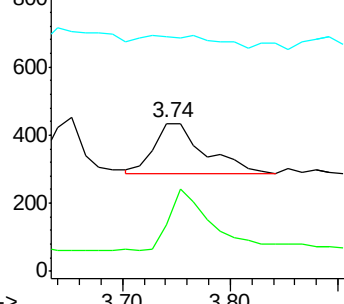
44 0.0 13.8 20.8#



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: 0.191 ng

RT: 5.52 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

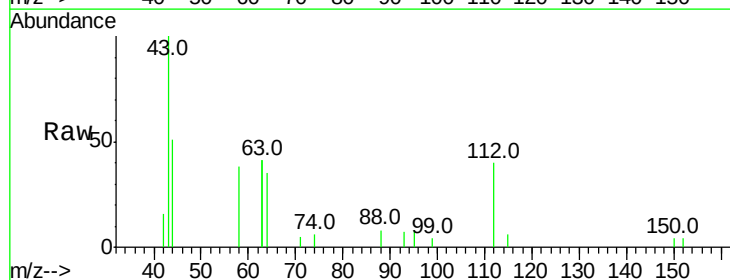
Tgt Ion: 112 Resp: 1020

Ion Ratio Lower Upper

112 100

64 73.1 57.7 86.5

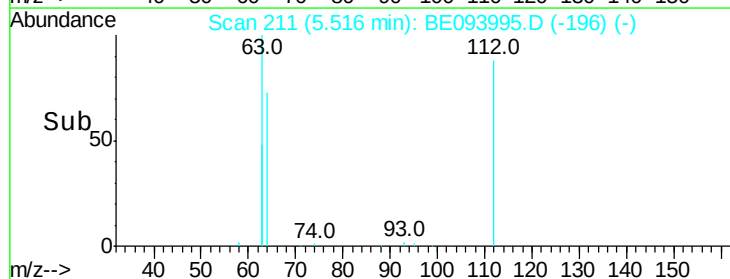
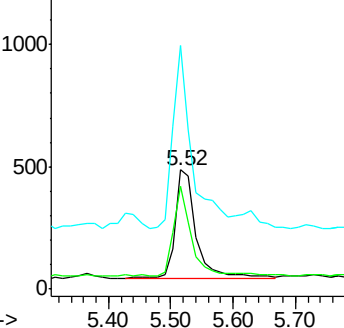
63 159.1 116.0 174.0

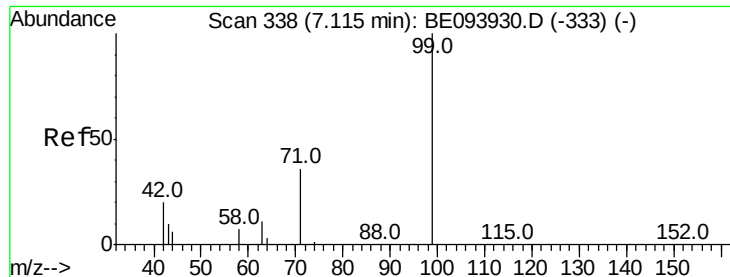


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.111 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.00 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

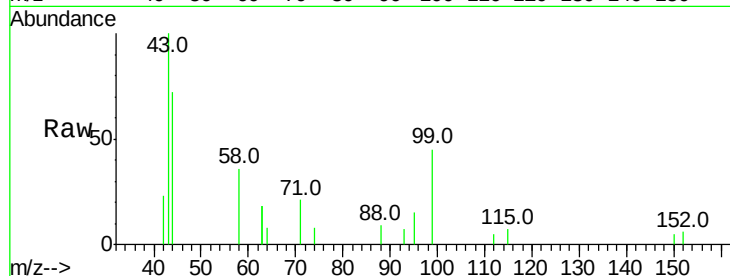
Tot Ion: 99 Resp: 888

Ion Ratio Lower Upper

99 100

42 16.1 17.1 25.7#

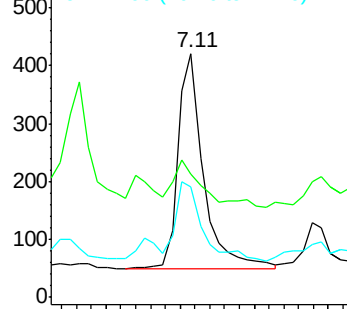
71 38.9 26.6 39.8



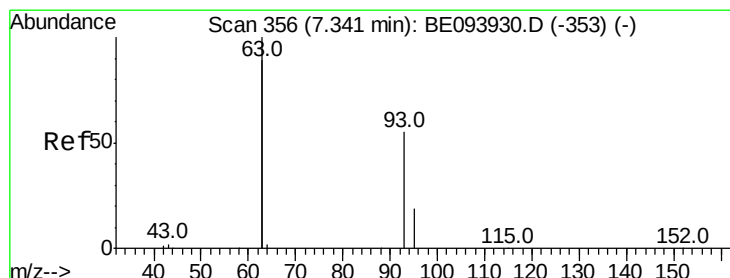
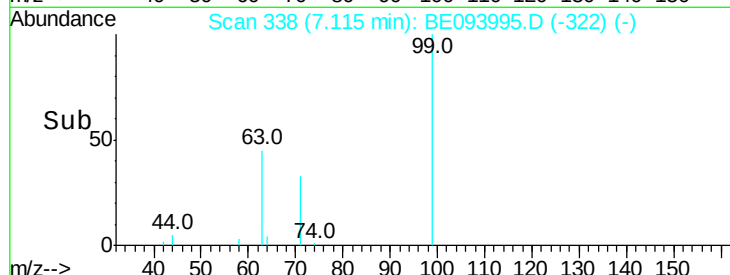
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.402 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

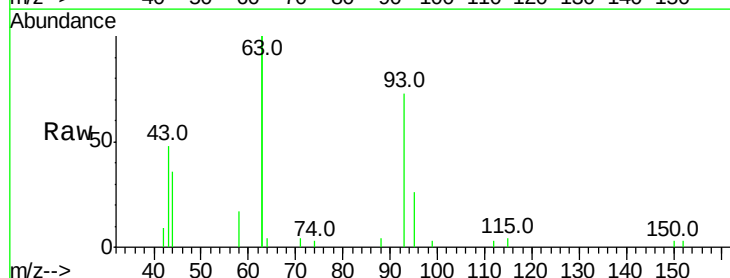
Tgt Ion: 93 Resp: 2639

Ion Ratio Lower Upper

93 100

63 361.3 283.4 425.2

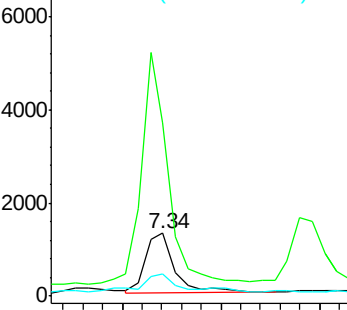
95 39.3 26.9 40.3



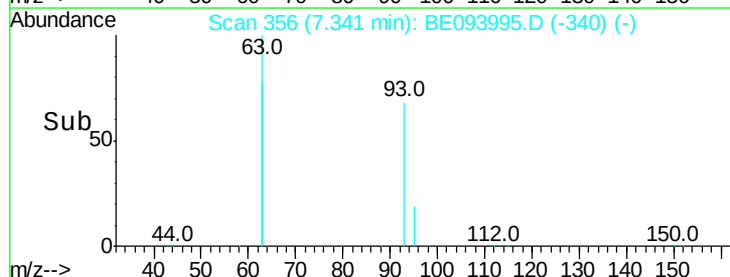
Abundance Ion 93.00 (92.70 to 93.70): BE0

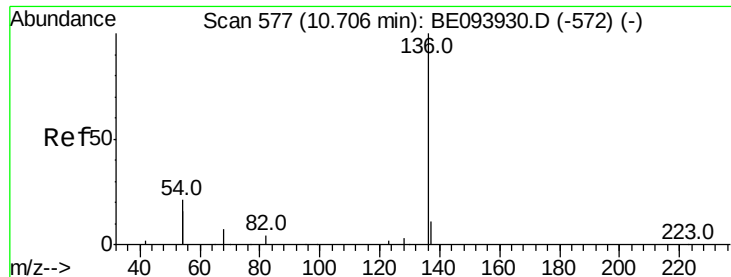
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.800 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

Tot Ion:136 Resp: 18701

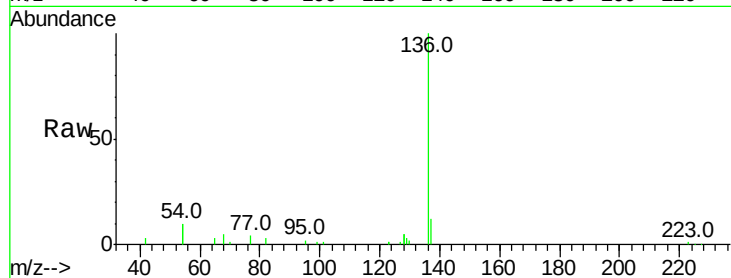
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 20.3 21.9 32.9#

68 4.7 4.6 7.0

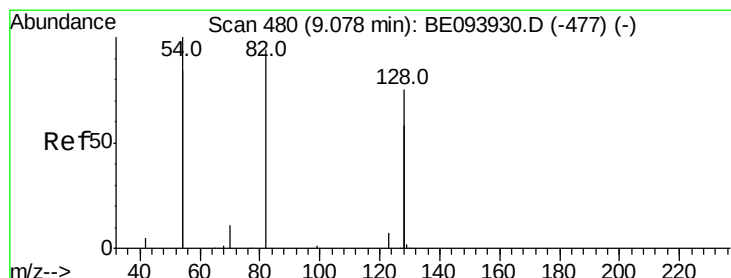
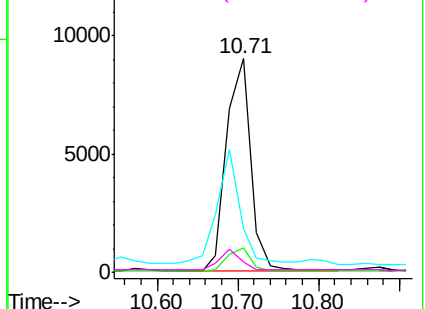
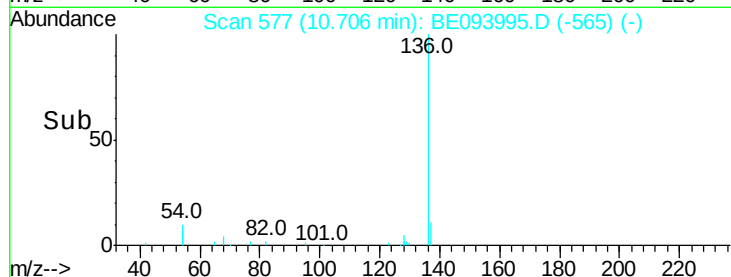


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.404 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

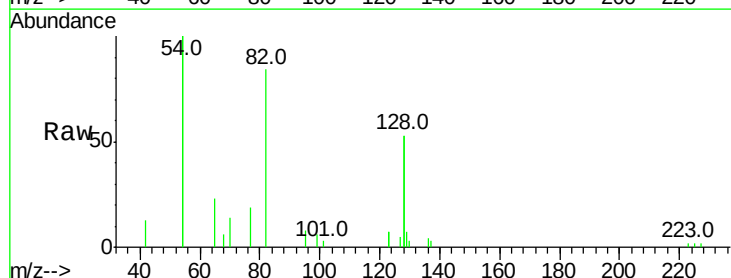
Tgt Ion: 82 Resp: 3196

Ion Ratio Lower Upper

82 100

128 127.8 91.4 137.0

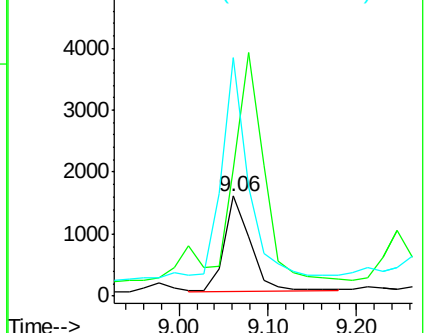
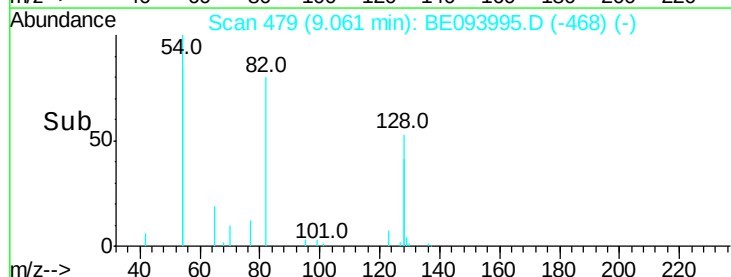
54 239.1 197.8 296.8

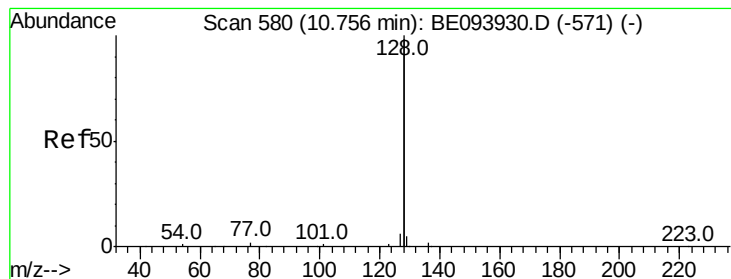


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.806 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

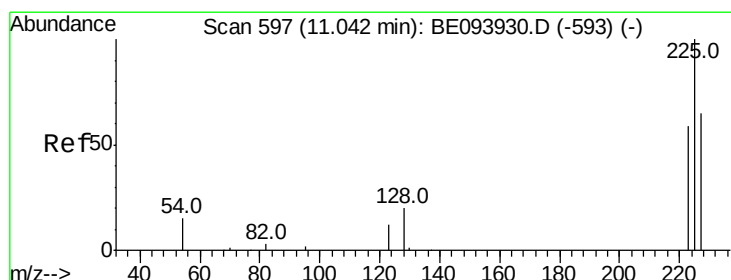
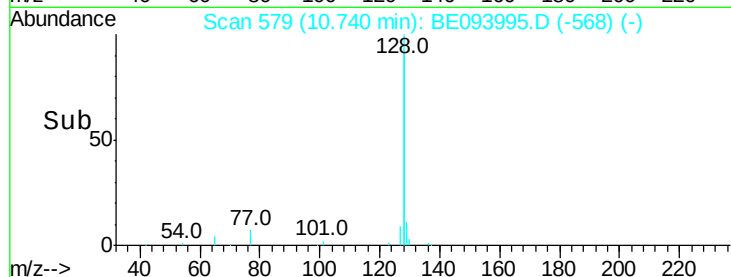
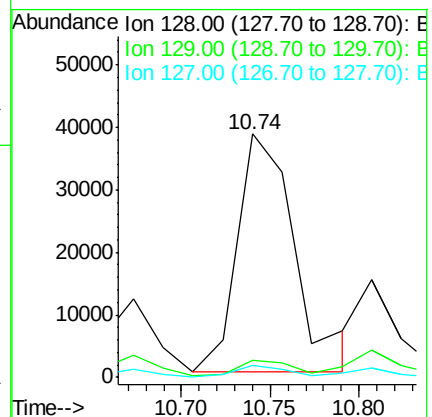
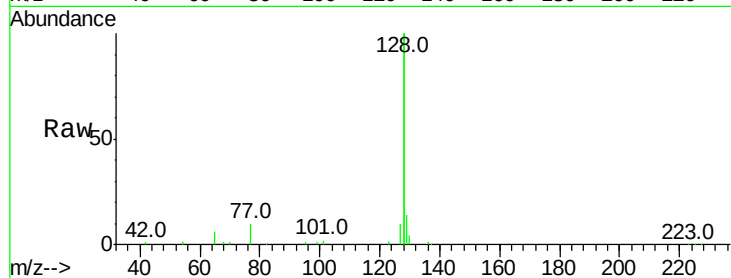
Tot Ion:128 Resp: 86378

Ion Ratio Lower Upper

128 100

129 7.2 2.5 3.7#

127 4.8 2.6 4.0#



#10

Hexachlorobutadiene

Concen: 0.342 ng

RT: 11.03 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

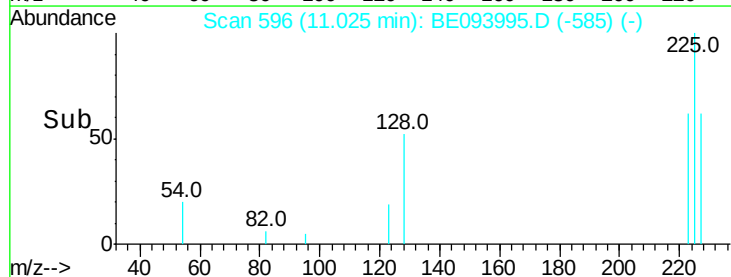
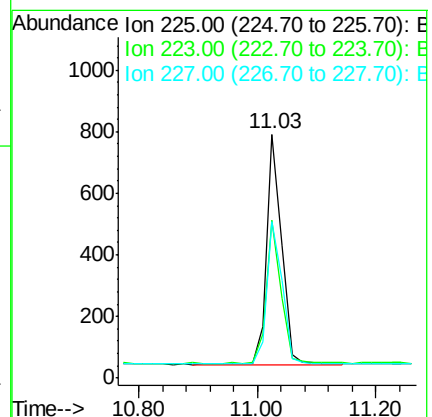
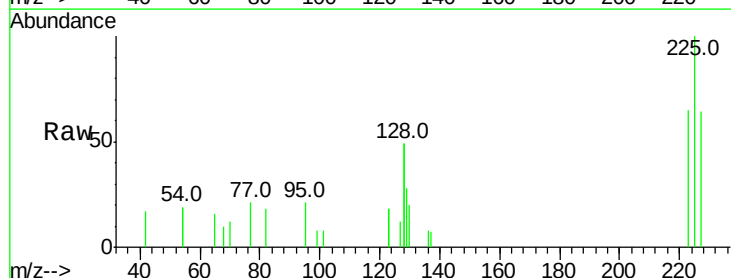
Tgt Ion:225 Resp: 1331

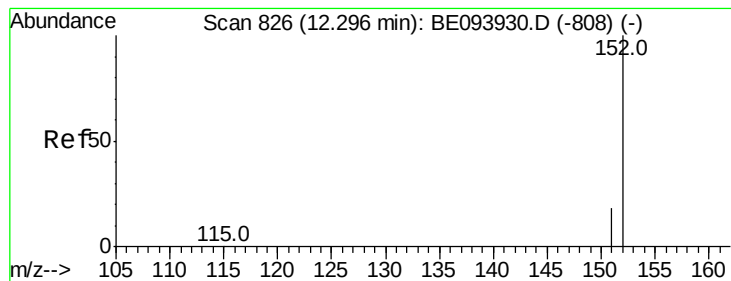
Ion Ratio Lower Upper

225 100

223 61.8 49.4 74.0

227 64.0 50.5 75.7





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.02 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

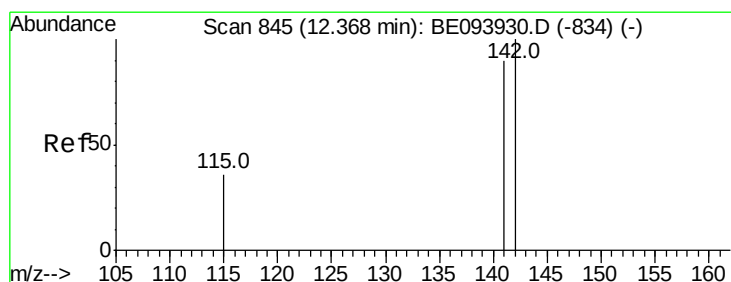
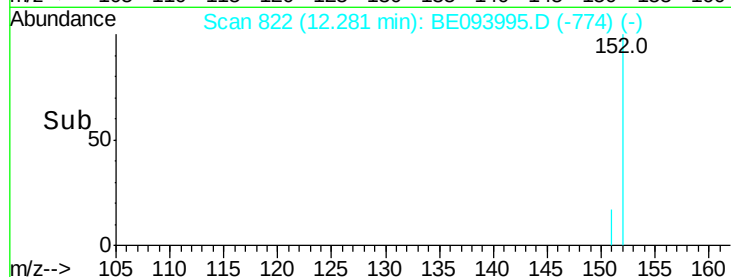
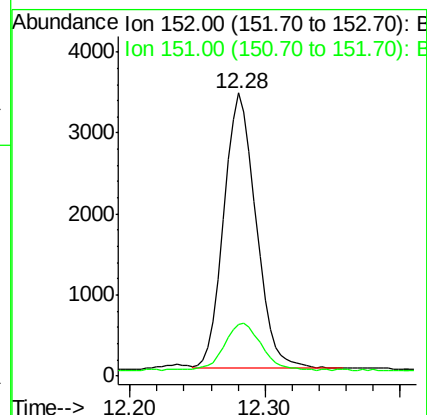
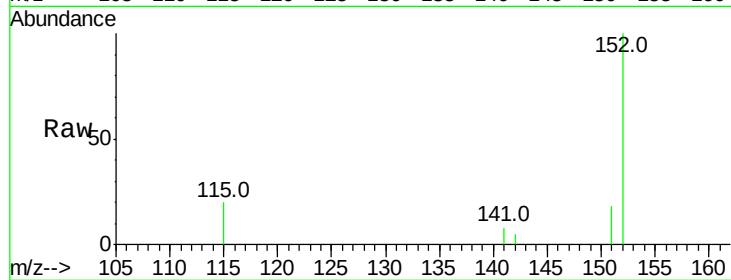
C19013061MSD

Tot Ion:152 Resp: 5587

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



#12

2-Methylnaphthalene

Concen: 1.384 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

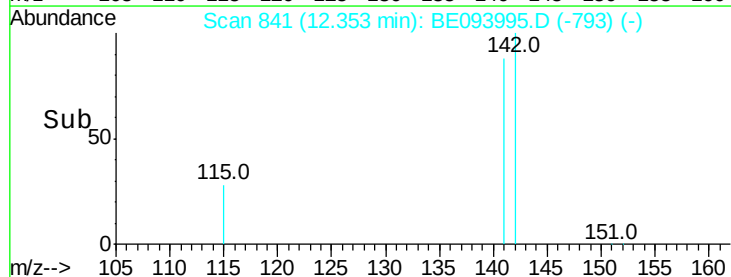
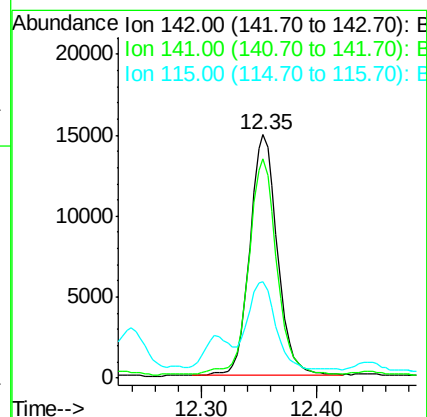
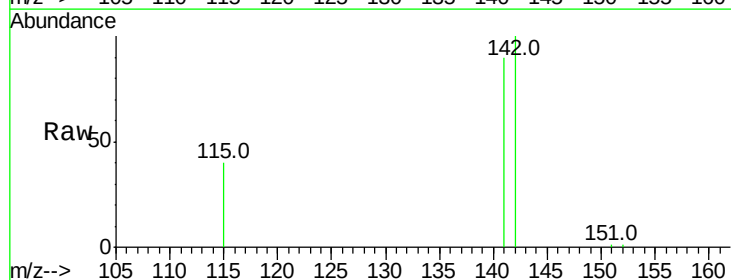
Tgt Ion:142 Resp: 24630

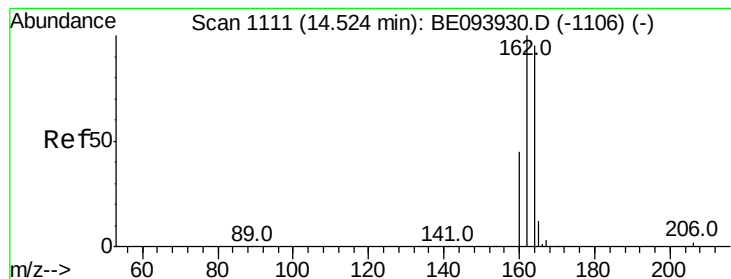
Ion Ratio Lower Upper

142 100

141 89.8 71.4 107.2

115 39.6 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.800 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

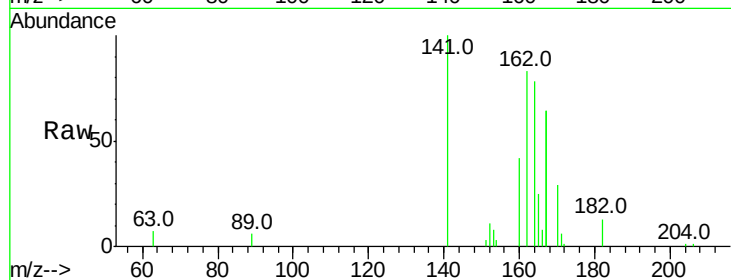
Tot Ion:164 Resp: 15788

Ion Ratio Lower Upper

164 100

162 106.5 80.8 121.2

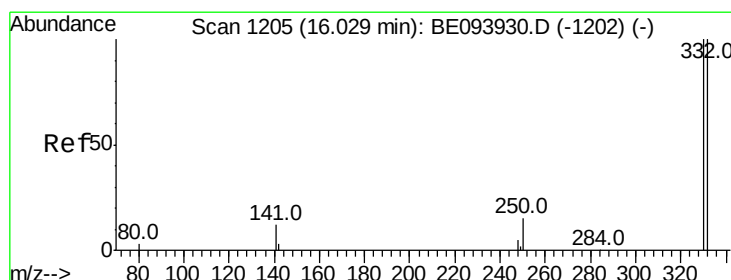
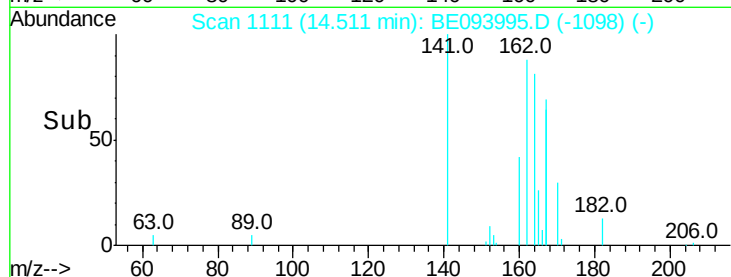
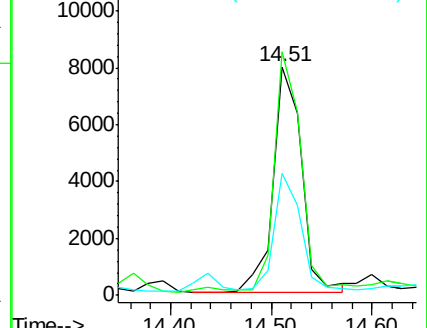
160 53.5 37.0 55.4



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: 0.645 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

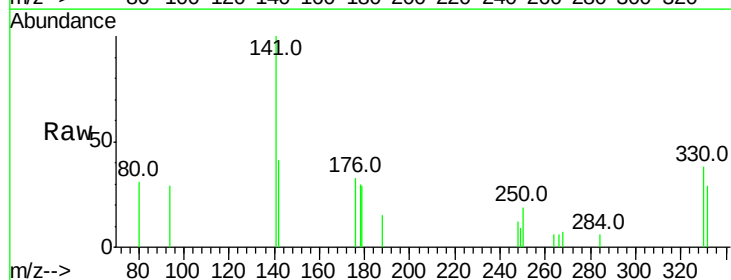
Tgt Ion:330 Resp: 1577

Ion Ratio Lower Upper

330 100

332 93.4 76.9 115.3

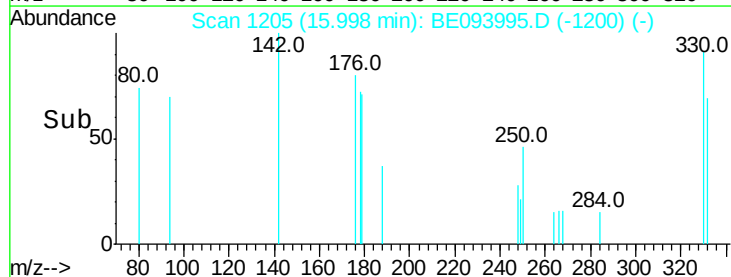
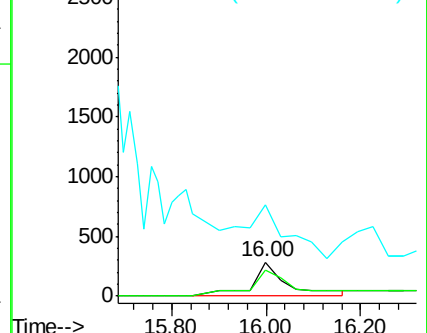
141 121.2 0.0 0.0#

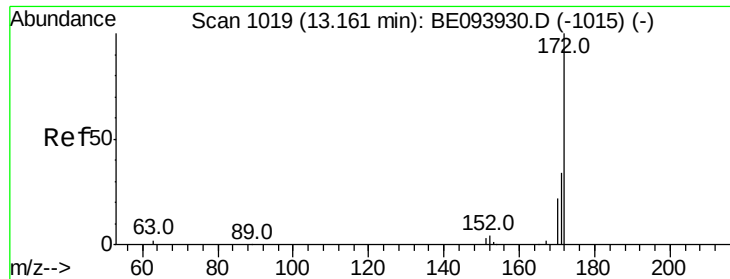


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

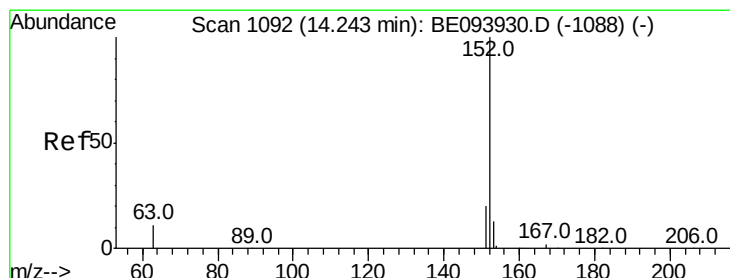
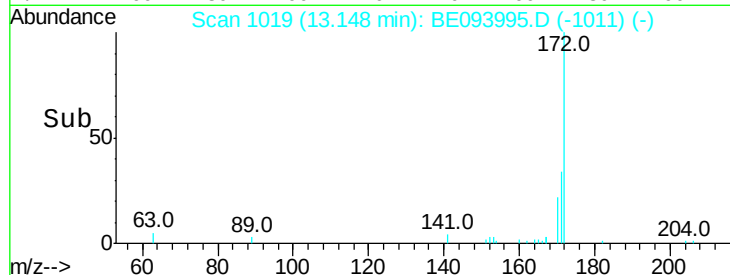
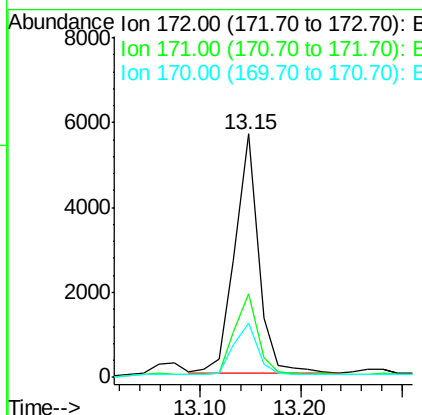
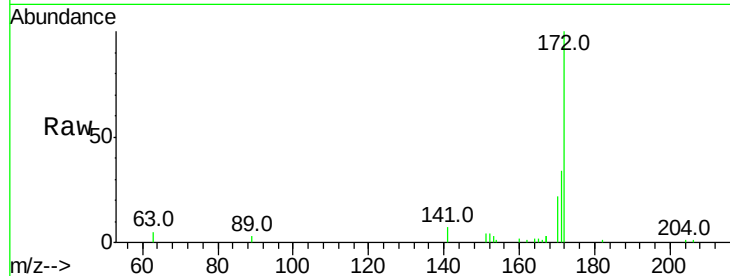




#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093995.D
Acq: 13 Sep 2017 18:48

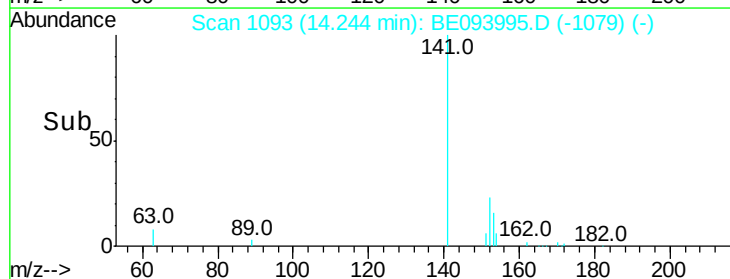
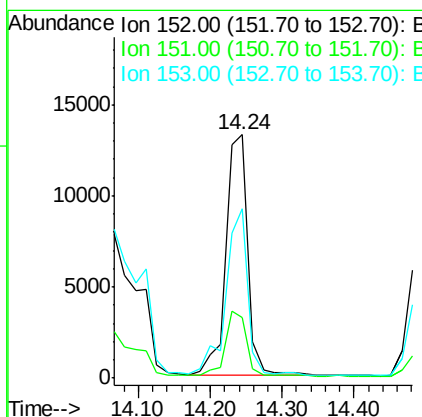
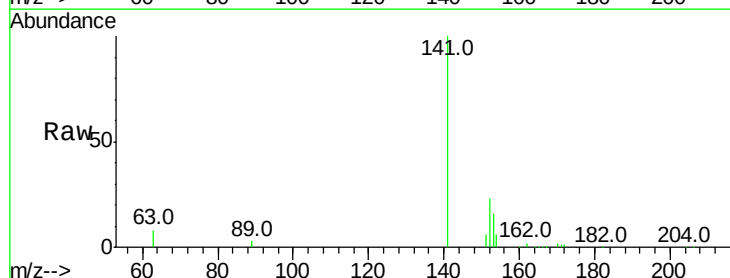
Instrument :
BNA_E
ClientSampleId :
C19013061MSD

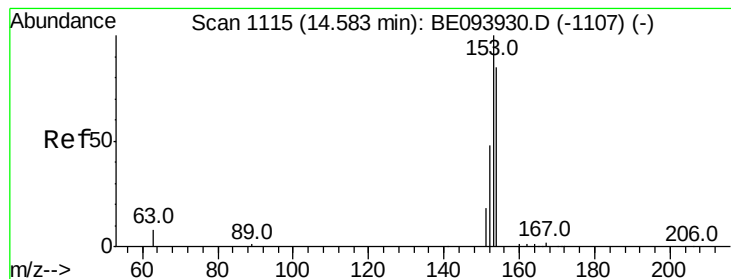
Tot Ion:172 Resp: 9291
Ion Ratio Lower Upper
172 100
171 34.1 26.9 40.3
170 22.1 17.3 25.9



#16
Acenaphthylene
Concen: 0.710 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093995.D
Acq: 13 Sep 2017 18:48

Tgt Ion:152 Resp: 27986
Ion Ratio Lower Upper
152 100
151 26.2 15.7 23.5#
153 70.0 10.6 16.0#





#17

Acenaphthene

Concen: 1.506 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

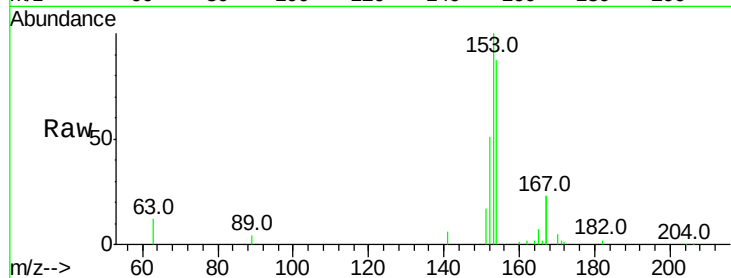
Tot Ion:154 Resp: 40090

Ion Ratio Lower Upper

154 100

153 127.8 91.8 137.6

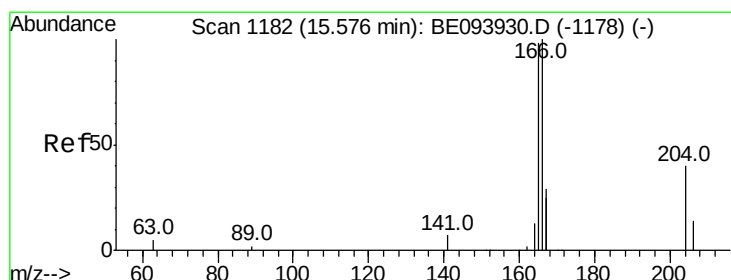
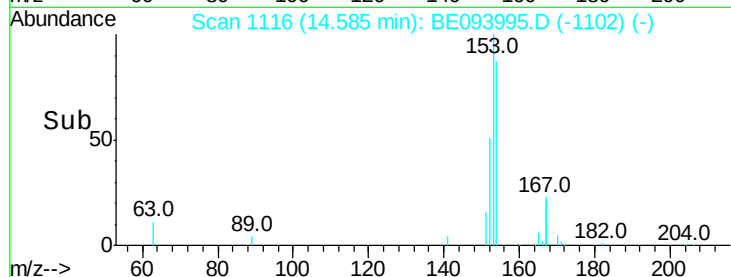
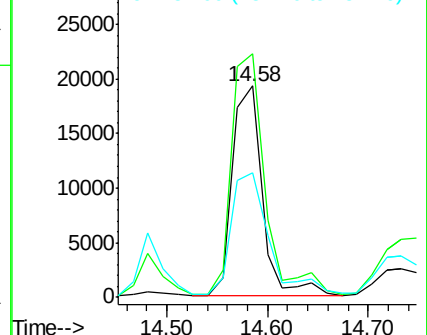
152 73.4 44.9 67.3#



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: 2.726 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

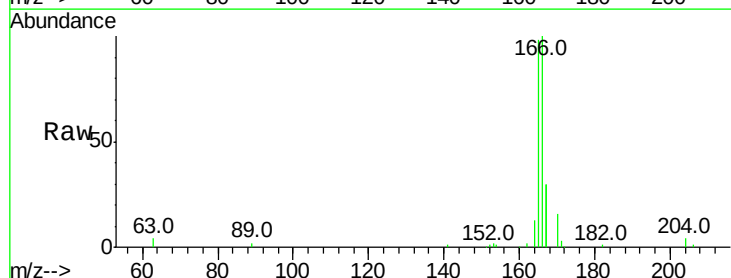
Tgt Ion:166 Resp: 93636

Ion Ratio Lower Upper

166 100

165 100.9 79.4 119.0

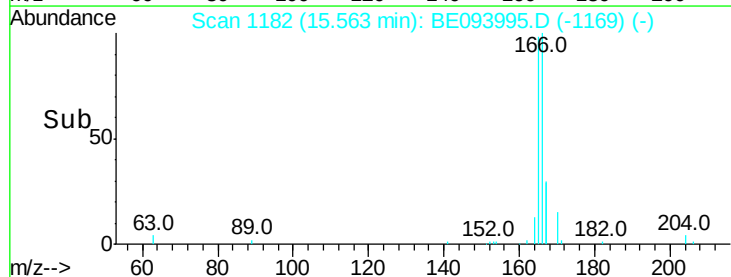
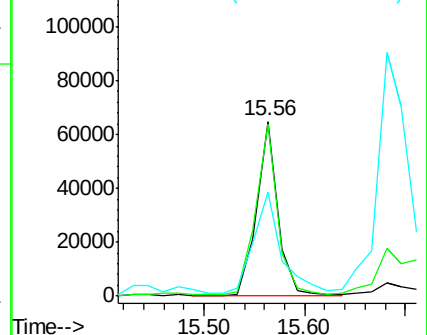
167 77.4 43.5 65.3#

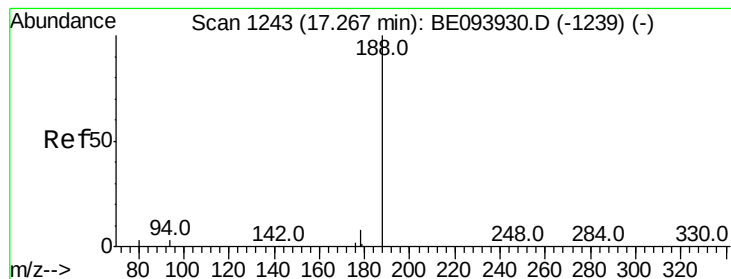


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

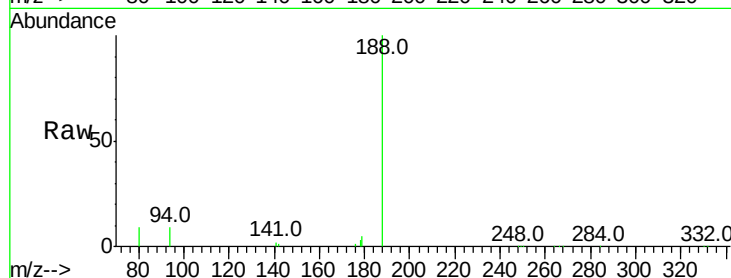
Tot Ion:188 Resp: 44737

Ion Ratio Lower Upper

188 100

94 9.0 16.1 24.1#

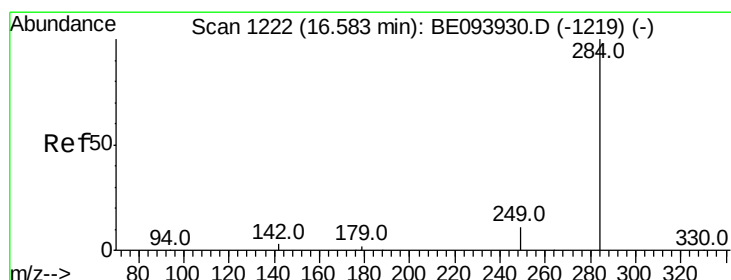
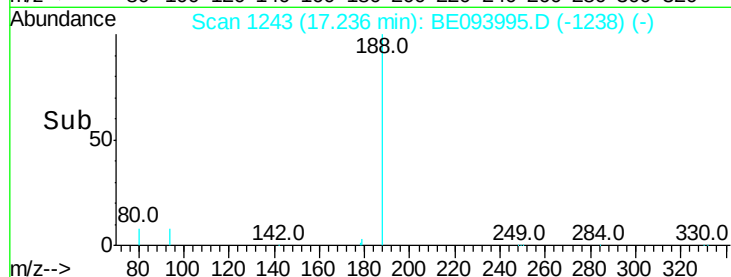
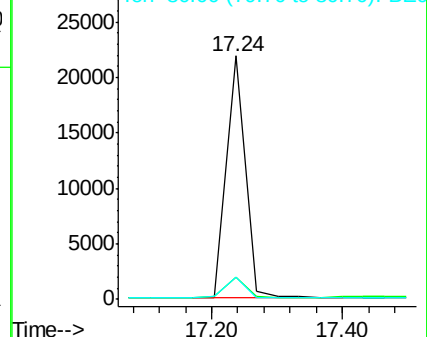
80 8.9 18.2 27.2#



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: 0.114 ng

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

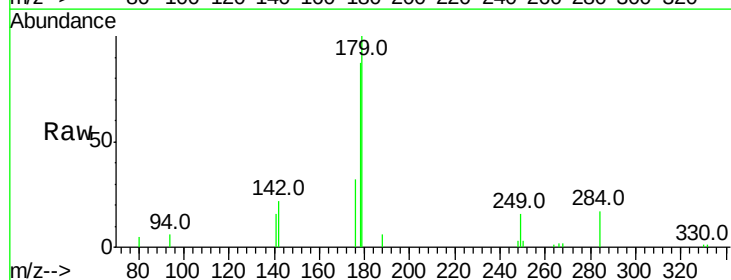
Tgt Ion:284 Resp: 1504

Ion Ratio Lower Upper

284 100

142 78.2 0.0 0.0#

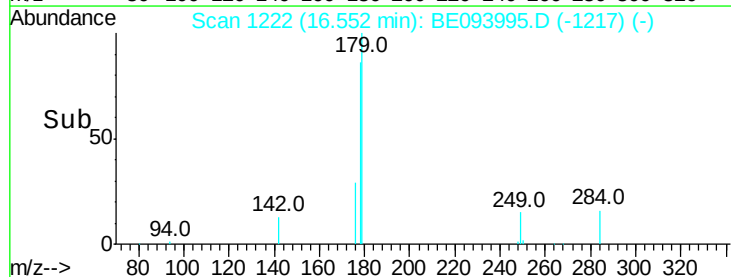
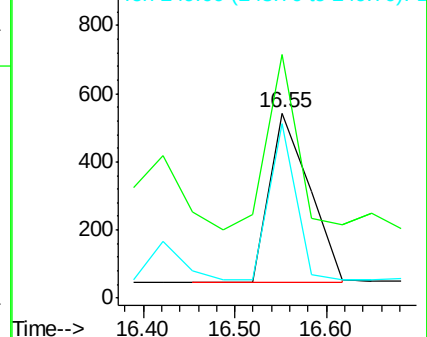
249 61.0 0.0 0.0#

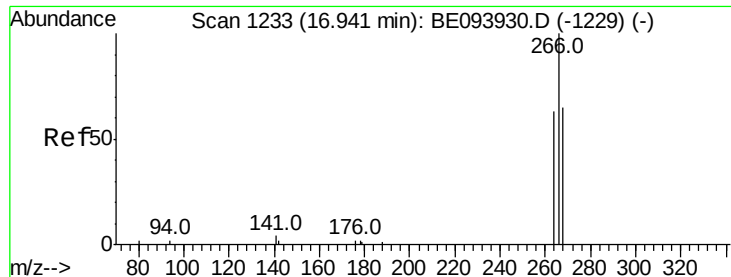


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.621 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

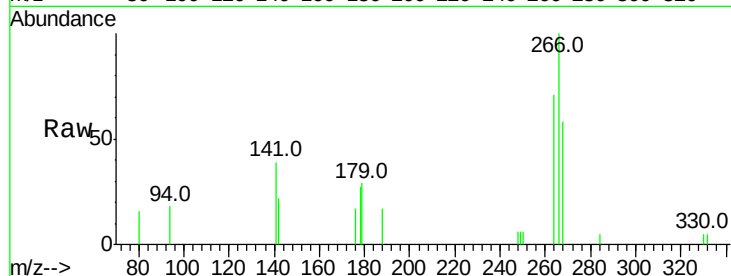
Tot Ion:266 Resp: 2202

Ion Ratio Lower Upper

266 100

264 70.9 53.5 80.3

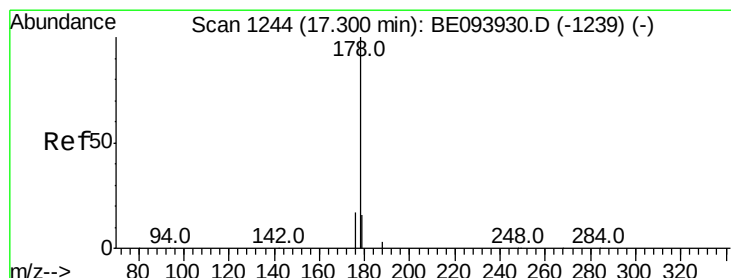
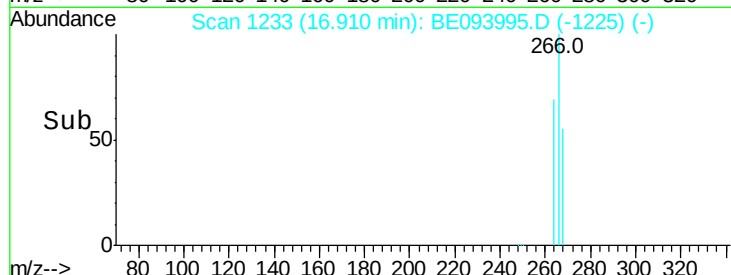
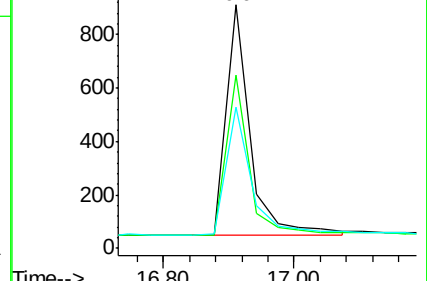
268 58.0 60.0 90.0#



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: 1.754 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

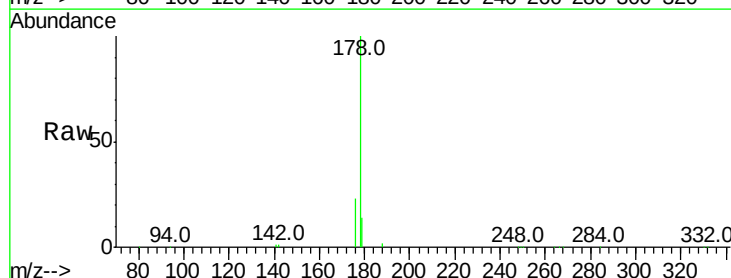
Tgt Ion:178 Resp: 108663

Ion Ratio Lower Upper

178 100

176 21.8 0.0 0.0#

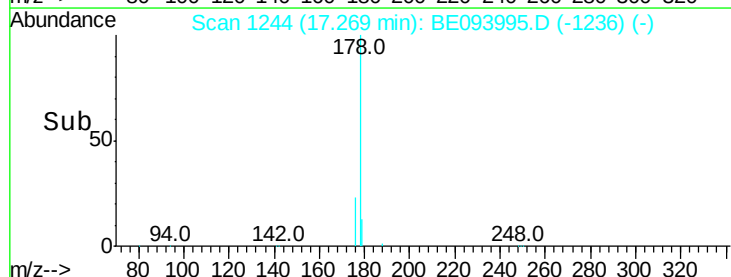
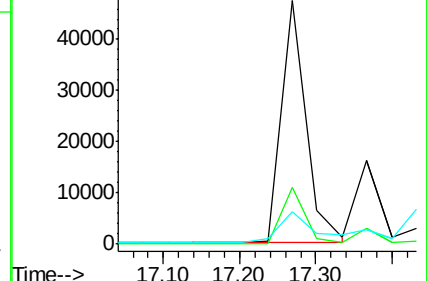
179 17.9 12.6 18.8

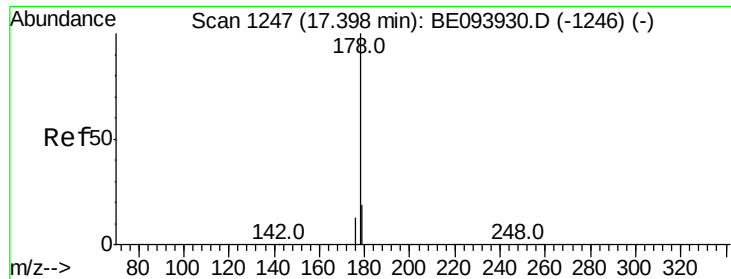


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

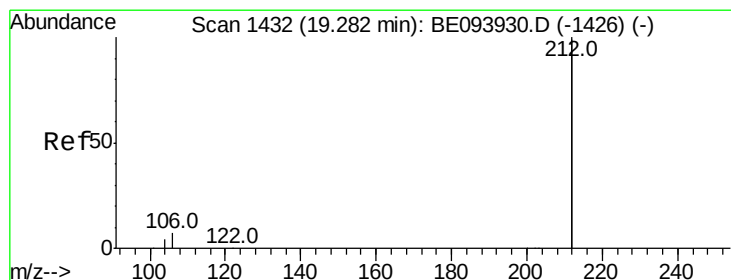
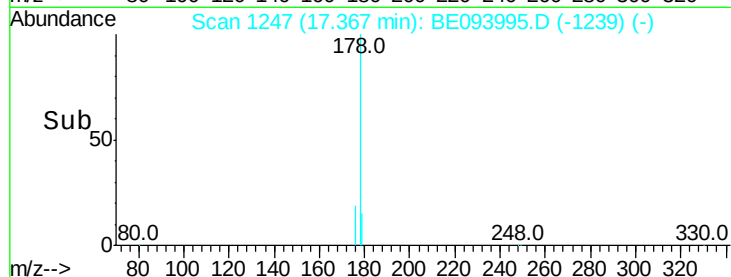
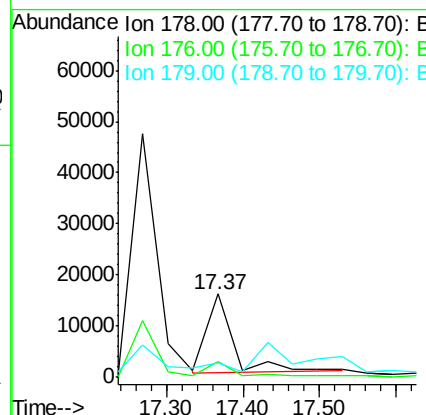
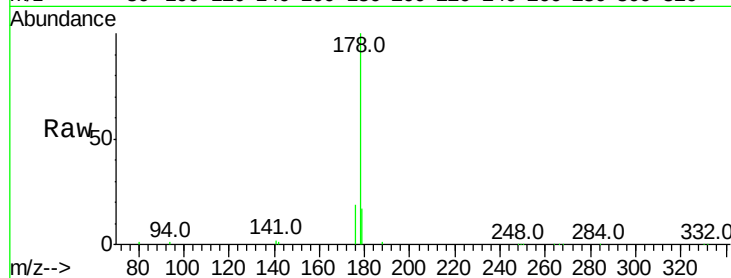




#24
 Anthracene
 Concen: 0.530 ng
 RT: 17.37 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: BE093995.D
 Acq: 13 Sep 2017 18:48

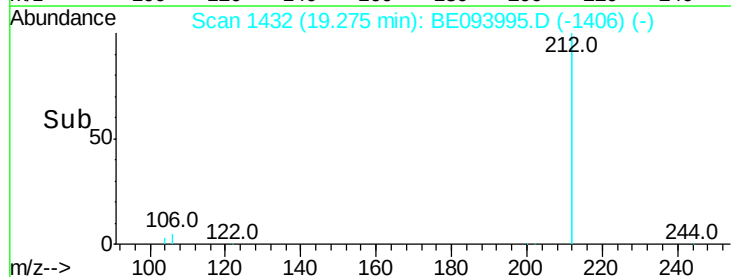
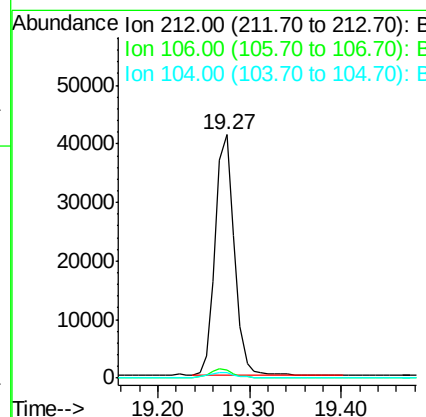
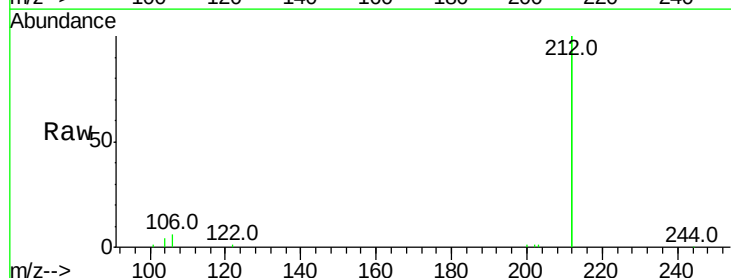
Instrument :
 BNA_E
 ClientSampleId :
 C19013061MSD

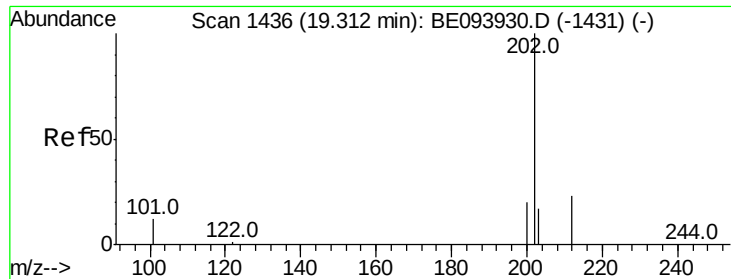
Tot Ion:178 Resp: 36125
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.0 24.0
 179 0.0 0.0 0.0



#25
 Fluoranthene-d10
 Concen: 0.179 ng
 RT: 19.27 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE093995.D
 Acq: 13 Sep 2017 18:48

Tgt Ion:212 Resp: 59668
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.7 4.1
 104 2.8 1.6 2.4#

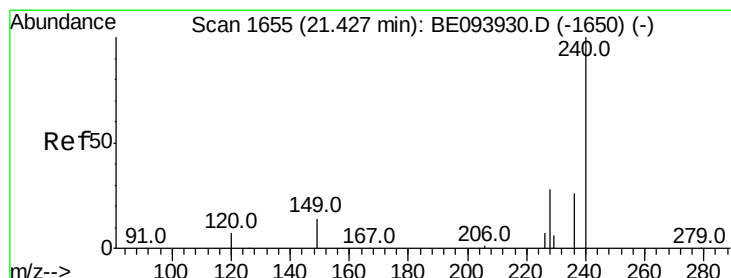
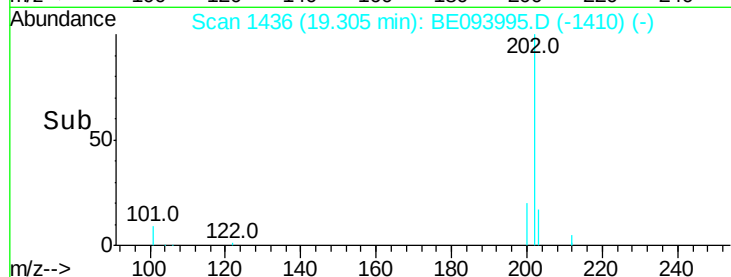
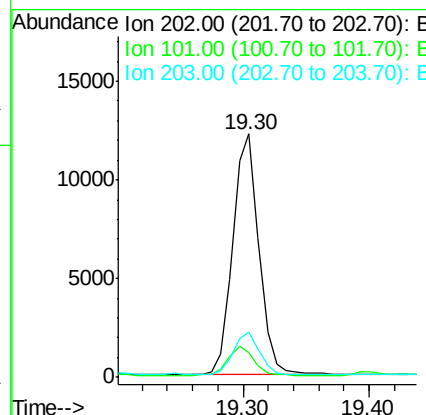
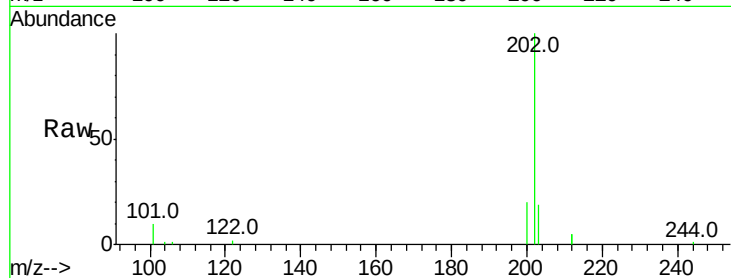




#26
 Fluoranthene
 Concen: 0.176 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE093995.D
 Acq: 13 Sep 2017 18:48

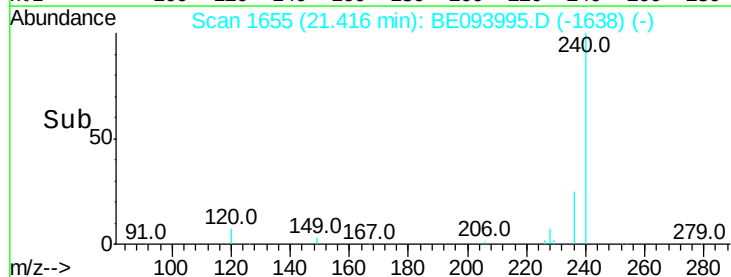
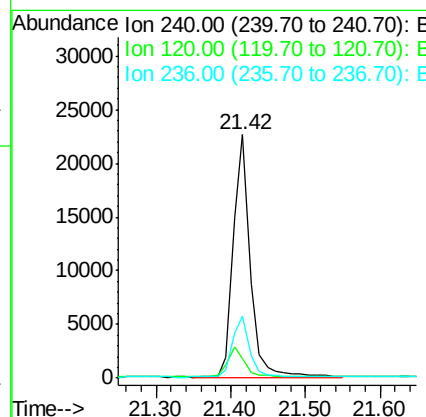
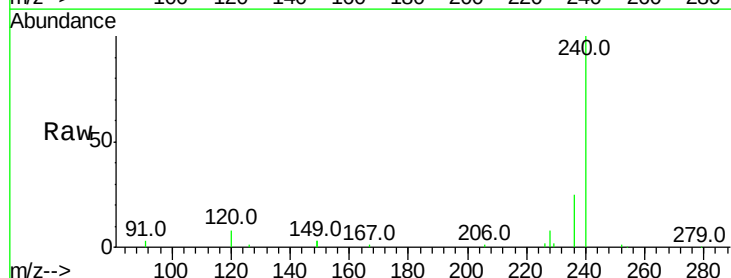
Instrument :
 BNA_E
 ClientSampleId :
 C19013061MSD

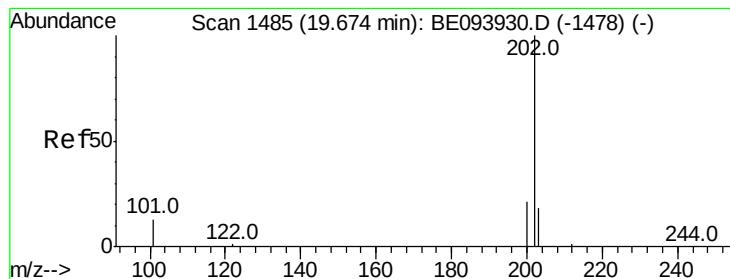
Tot Ion:202 Resp: 17537
 Ion Ratio Lower Upper
 202 100
 101 12.0 9.7 14.5
 203 17.5 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.800 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093995.D
 Acq: 13 Sep 2017 18:48

Tgt Ion:240 Resp: 35484
 Ion Ratio Lower Upper
 240 100
 120 7.8 8.7 13.1#
 236 25.5 21.3 31.9





#28

Pvrene

Concen: 0.305 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

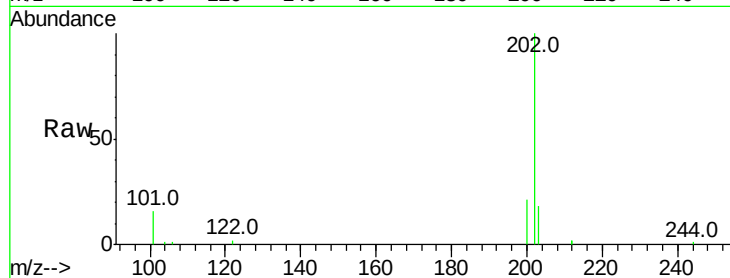
Tot Ion:202 Resp: 18610

Ion Ratio Lower Upper

202 100

200 20.1 16.6 24.8

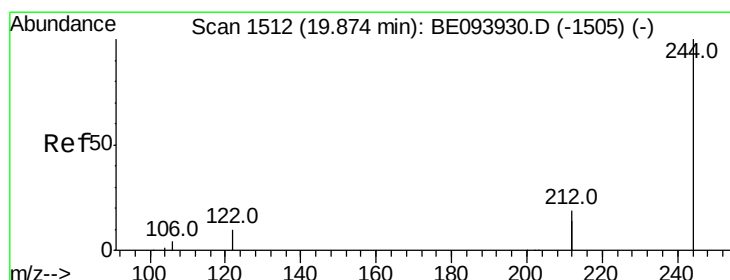
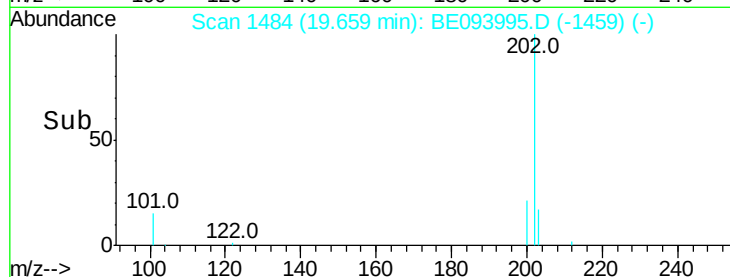
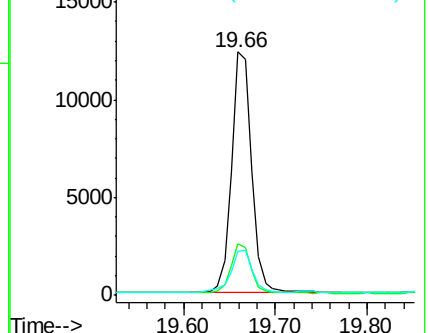
203 18.9 14.2 21.4



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: 0.380 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

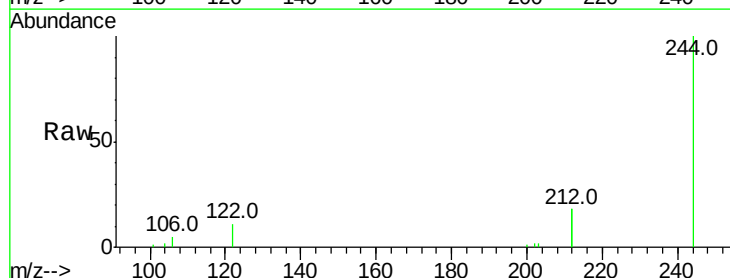
Tgt Ion:244 Resp: 12411

Ion Ratio Lower Upper

244 100

212 36.1 28.3 42.5

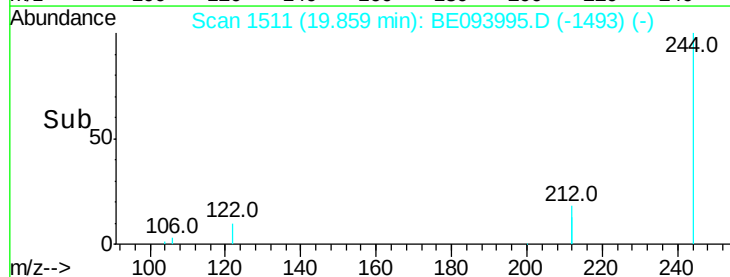
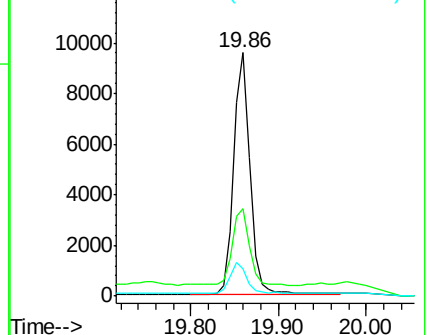
122 11.0 9.4 14.0

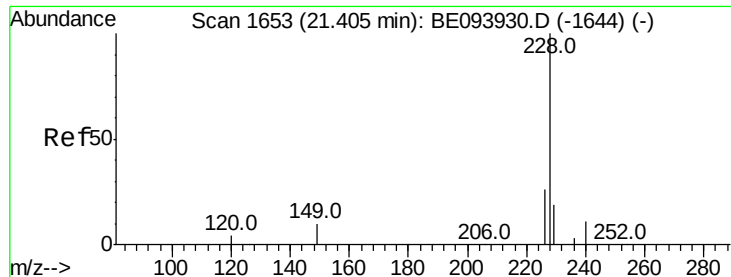


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.284 ng

RT: 21.39 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

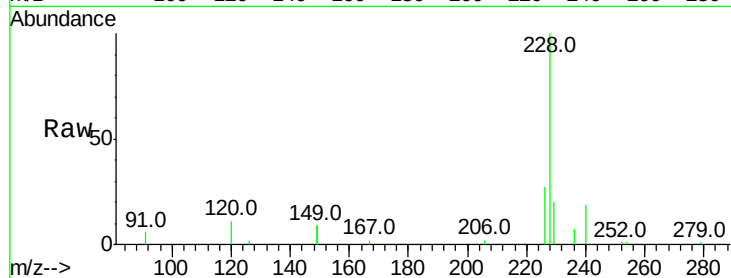
Tot Ion:228 Resp: 15472

Ion Ratio Lower Upper

228 100

226 27.3 20.8 31.2

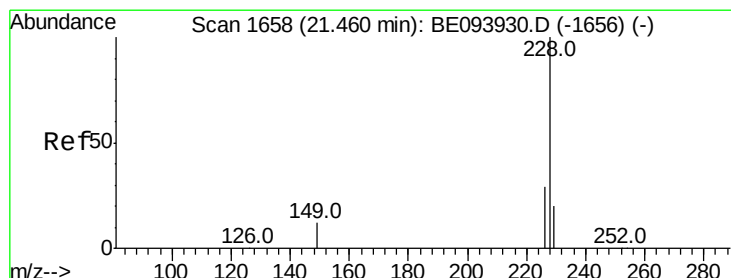
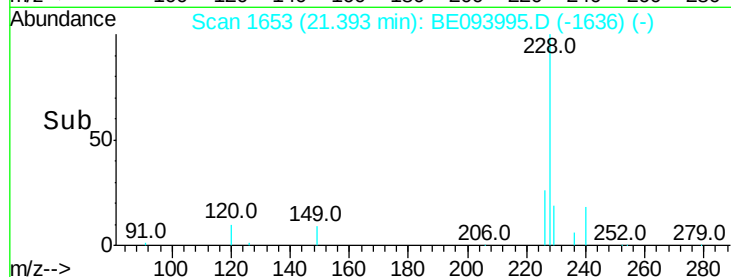
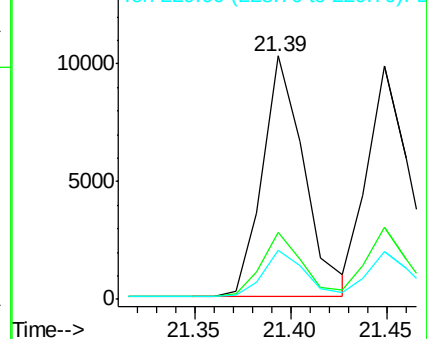
229 20.4 16.6 25.0



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: 0.268 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

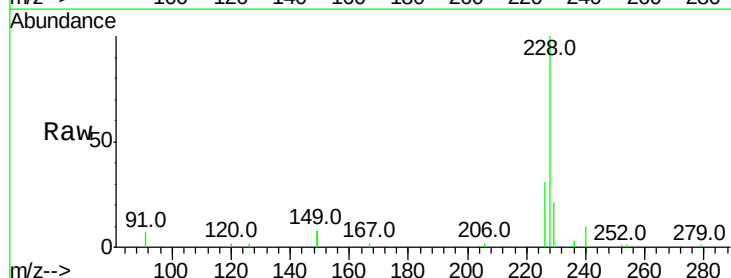
Tgt Ion:228 Resp: 15434

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

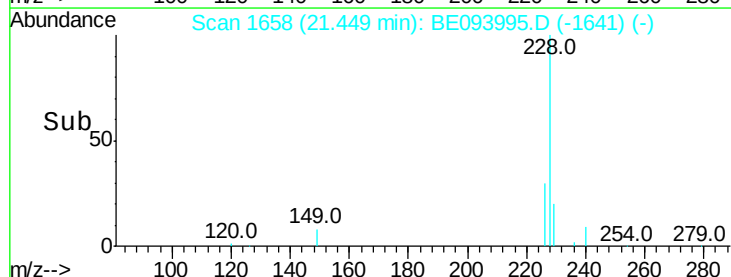
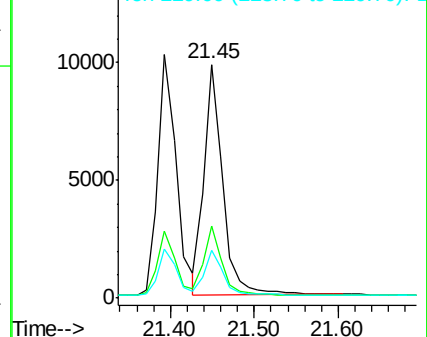
229 20.6 15.8 23.8

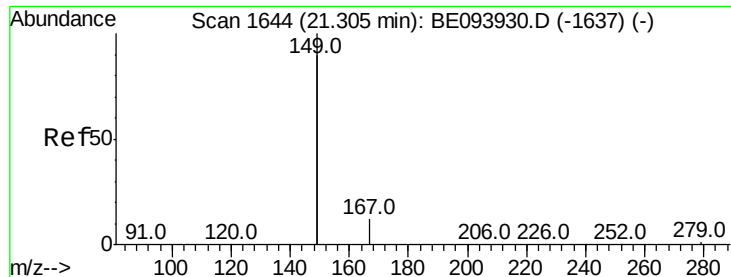


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.433 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

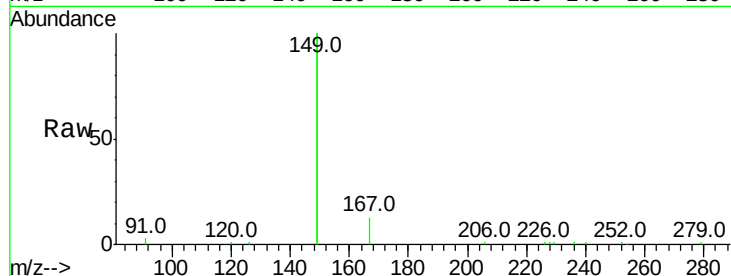
Tot Ion:149 Resp: 57226

Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

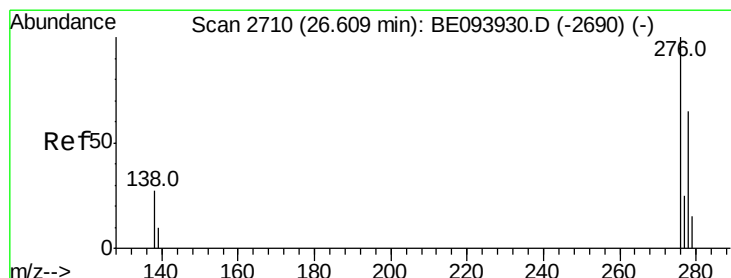
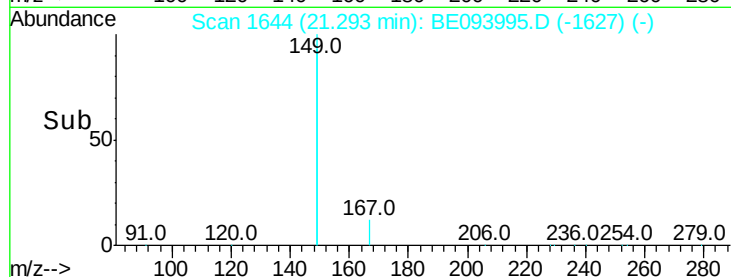
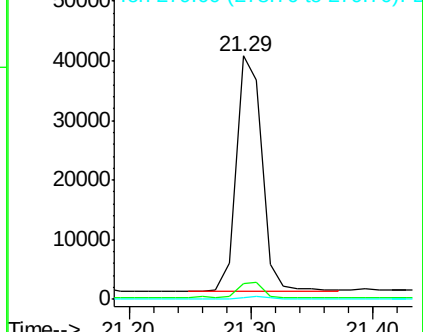
279 0.9 0.7 1.1



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: 0.234 ng

RT: 26.60 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

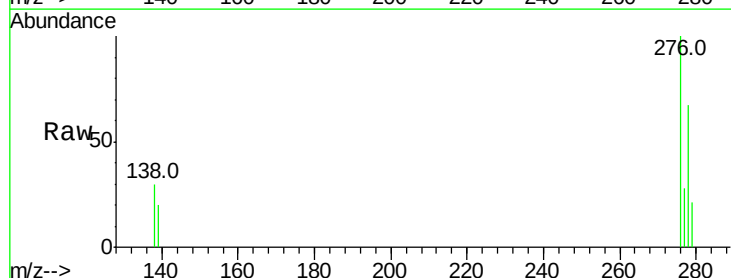
Tgt Ion:276 Resp: 8992

Ion Ratio Lower Upper

276 100

138 24.2 22.2 33.2

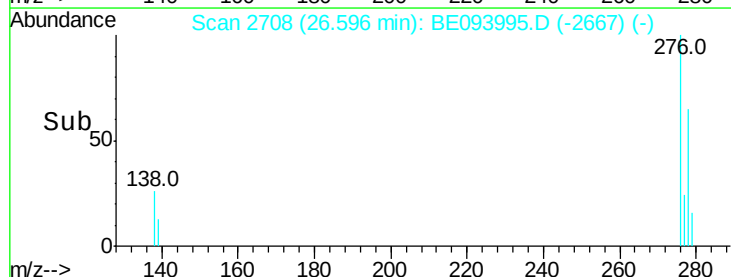
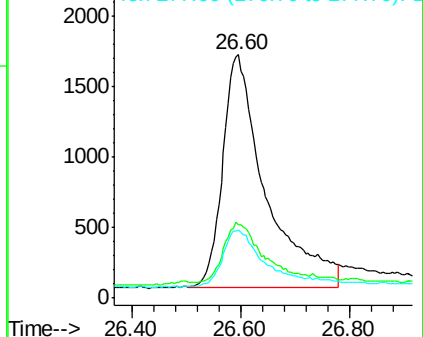
277 22.6 19.5 29.3

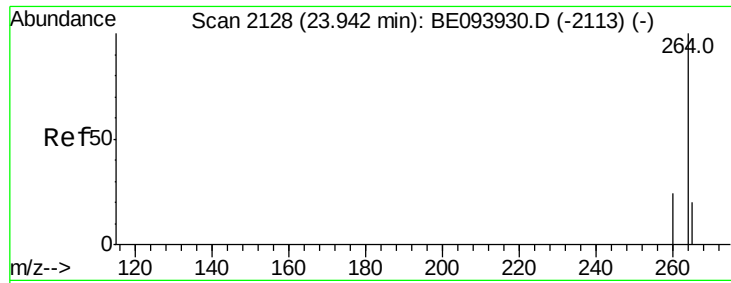


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

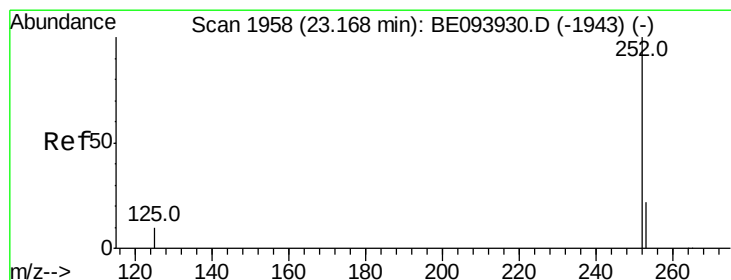
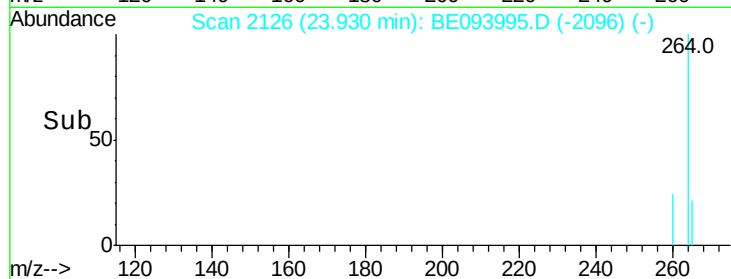
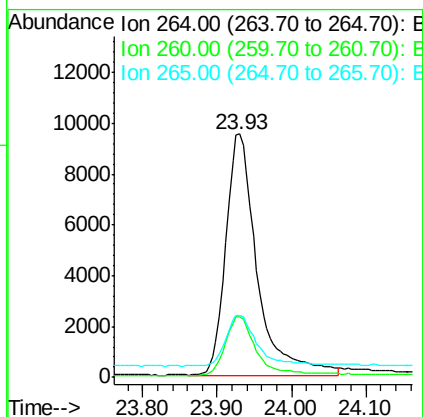
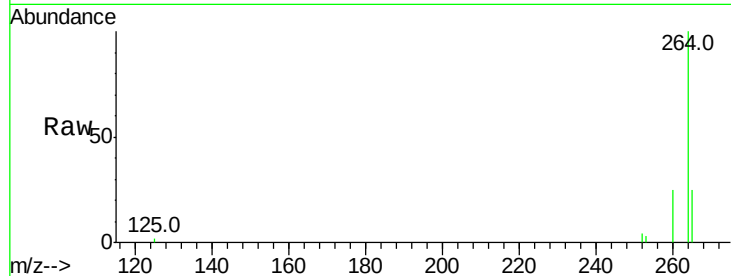




#34
 Pervlene-d12
 Concen: 0.800 ng
 RT: 23.93 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BE093995.D
 Acq: 13 Sep 2017 18:48

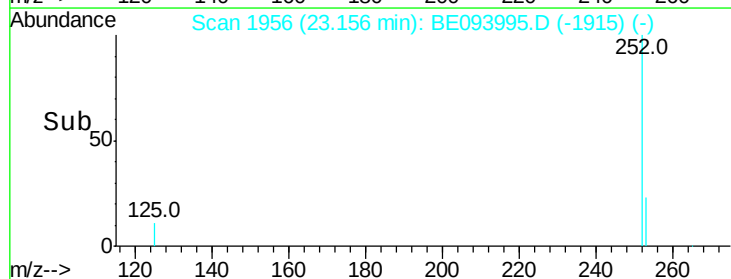
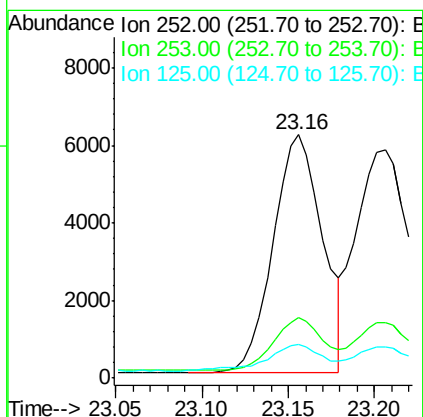
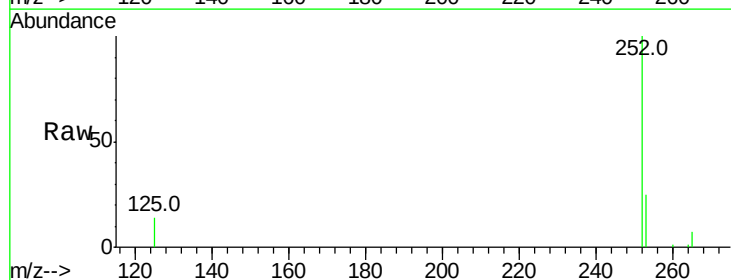
Instrument :
 BNA_E
 ClientSampleId :
 C19013061MSD

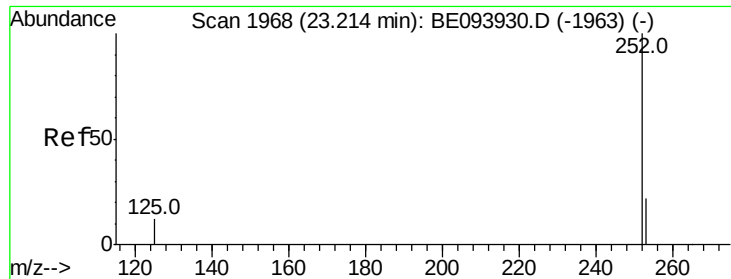
Tot Ion:264 Resp: 27710
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.0 30.0
 265 25.4 24.0 36.0



#35
 Benzo(b)fluoranthene
 Concen: 0.278 ng
 RT: 23.16 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BE093995.D
 Acq: 13 Sep 2017 18:48

Tgt Ion:252 Resp: 12255
 Ion Ratio Lower Upper
 252 100
 253 25.1 19.4 29.0
 125 13.8 10.0 15.0

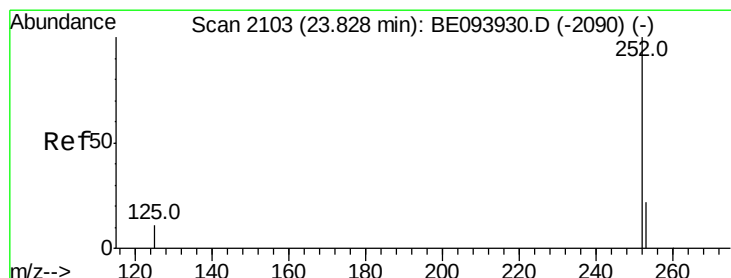
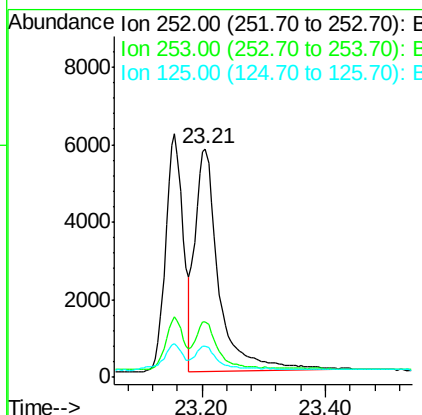
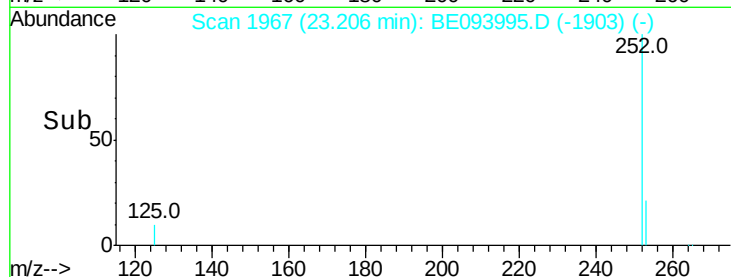
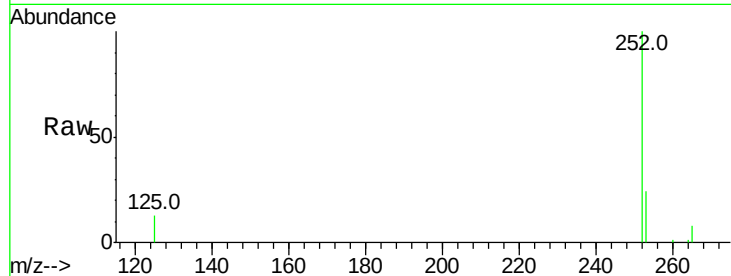




#36
Benzo(k)fluoranthene
Concen: 0.280 ng
RT: 23.21 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BE093995.D
Acq: 13 Sep 2017 18:48

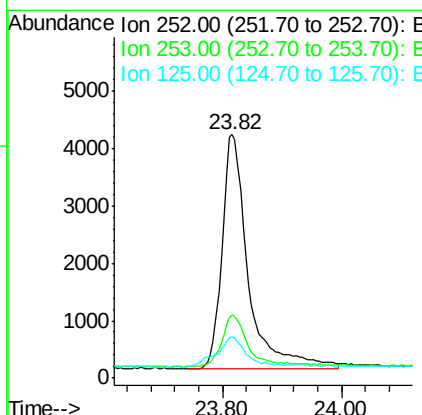
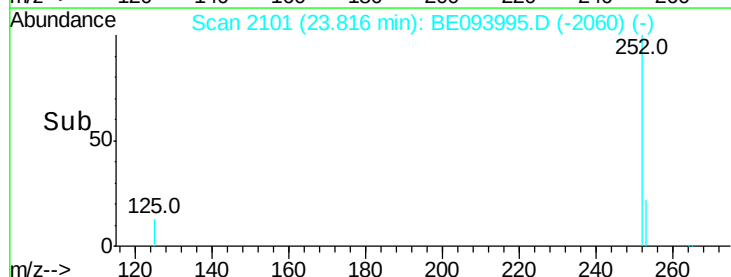
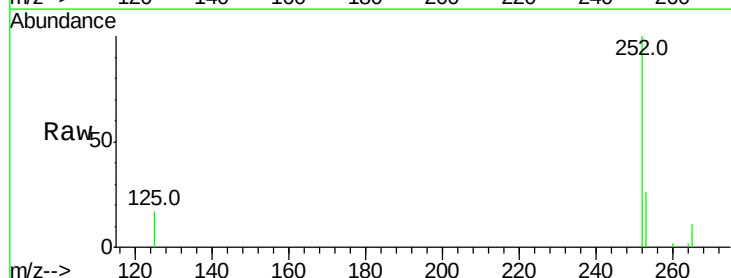
Instrument :
BNA_E
ClientSampleId :
C19013061MSD

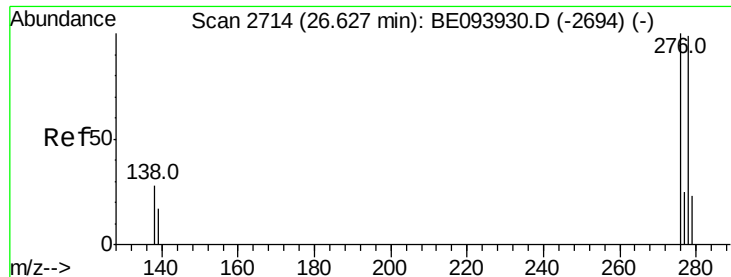
Tot Ion:252 Resp: 15157
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 13.4 9.8 14.6



#37
Benzo(a)pyrene
Concen: 0.278 ng
RT: 23.82 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BE093995.D
Acq: 13 Sep 2017 18:48

Tgt Ion:252 Resp: 12490
Ion Ratio Lower Upper
252 100
253 25.7 19.6 29.4
125 16.7 11.8 17.8





#38

Dibenzo(a,h)anthracene

Concen: 0.241 ng

RT: 26.61 min Scan# 2712

Delta R.T. -0.01 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

Instrument :

BNA_E

ClientSampleId :

C19013061MSD

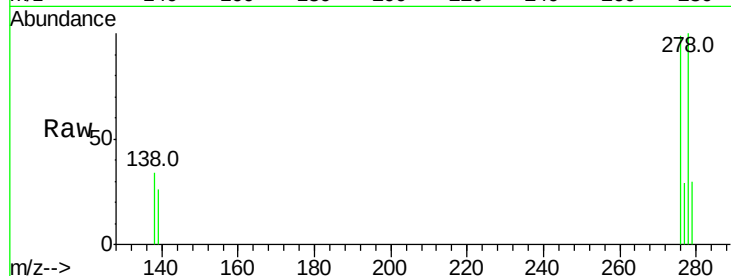
Tot Ion:278 Resp: 7194

Ion Ratio Lower Upper

278 100

139 26.4 16.7 25.1#

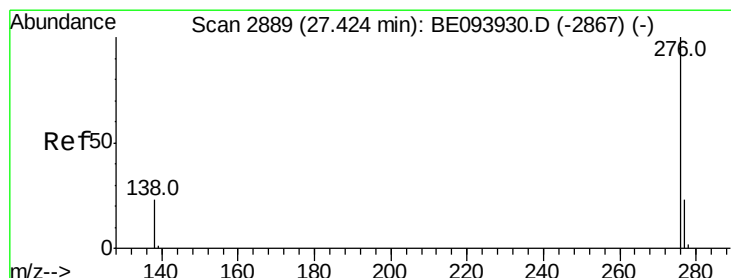
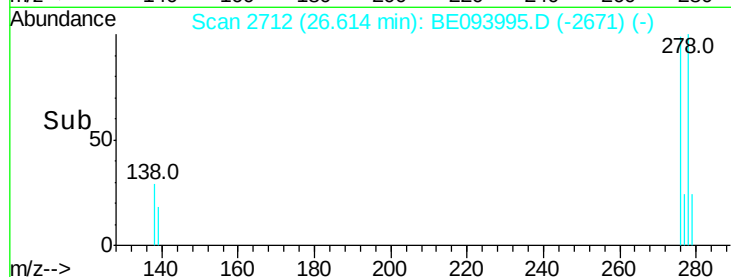
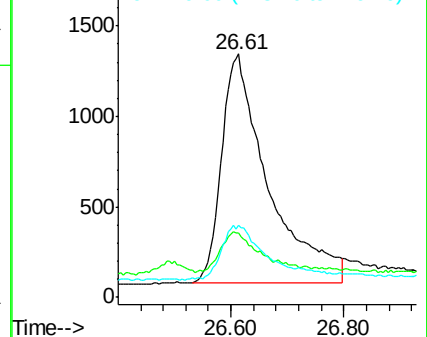
279 29.7 21.6 32.4



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: 0.254 ng

RT: 27.40 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BE093995.D

Acq: 13 Sep 2017 18:48

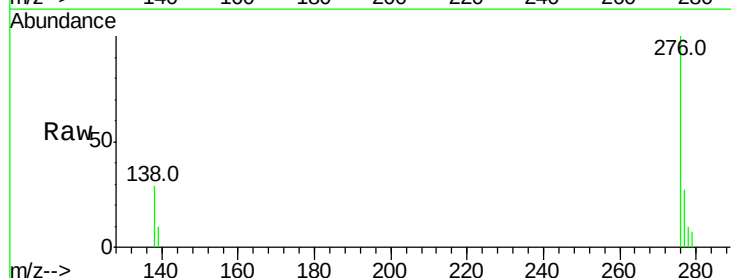
Tgt Ion:276 Resp: 7981

Ion Ratio Lower Upper

276 100

277 26.9 20.6 30.8

138 28.6 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

