

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093036.D
 Acq On : 15 May 2017 16:13
 Operator : SJ/MA
 Sample : PB98886BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 16 01:11:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 13:35:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1099	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	4170	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1714	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3563	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4213	0.40	ng	0.00
34) Perylene-d12	23.70	264	3684	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	789	0.23	ng	0.00
5) Phenol-d6	6.92	99	1012	0.22	ng	0.00
8) Nitrobenzene-d5	8.88	82	842	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	1723	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	106	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	1866	0.26	ng	0.00
25) Fluoranthene-d10	19.14	212	2121	0.23	ng	0.00
29) Terphenyl-d14	19.74	244	2165	0.28	ng	0.00

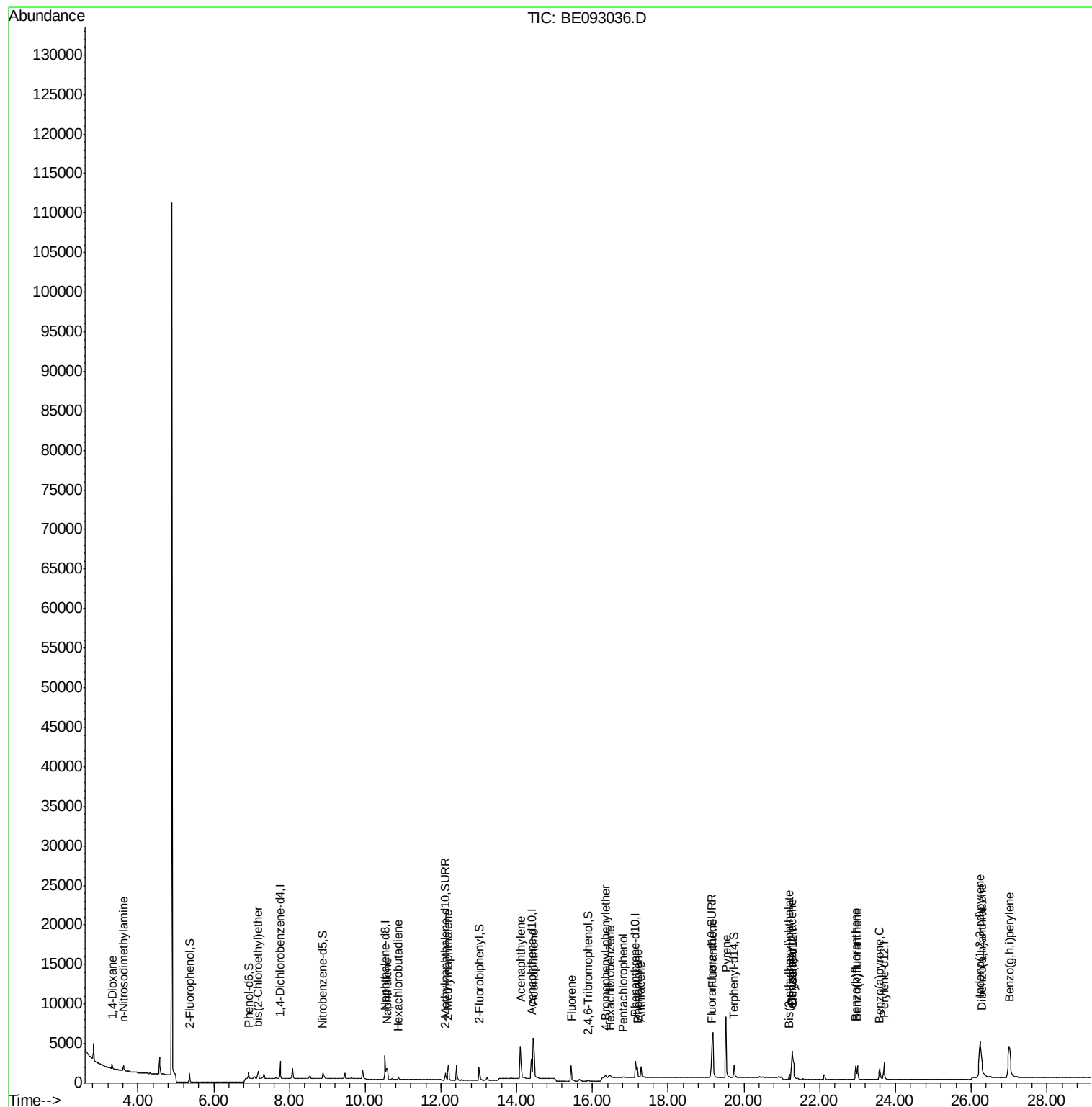
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	373	0.16	ng	# 35
3) n-Nitrosodimethylamine	3.61	42	437	0.22	ng	94
6) bis(2-Chloroethyl)ether	7.18	93	887	0.24	ng	# 100
9) Naphthalene	10.56	128	2582	0.24	ng	# 94
10) Hexachlorobutadiene	10.87	225	352	0.24	ng	98
12) 2-Methylnaphthalene	12.19	142	1548	0.23	ng	96
16) Acenaphthylene	14.10	152	6704	0.22	ng	100
17) Acenaphthene	14.46	154	1273	0.24	ng	98
18) Fluorene	15.44	166	1465	0.22	ng	100
20) 4-Bromophenyl-phenylether	16.36	248	288	0.26	ng	97
21) Hexachlorobenzene	16.47	284	416	0.22	ng	# 100
22) Pentachlorophenol	16.82	266	148	0.34	ng	92
23) Phenanthrene	17.19	178	2146	0.26	ng	98
24) Anthracene	17.28	178	2085	0.26	ng	99
26) Fluoranthene	19.18	202	10220	0.23	ng	# 100
28) Pyrene	19.53	202	10848	0.21	ng	# 96
30) Benzo(a)anthracene	21.27	228	2527	0.22	ng	98
31) Chrysene	21.27	228	2527	0.21	ng	96
32) Bis(2-ethylhexyl)phthalate	21.20	149	757	0.18	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.24	276	12084	0.27	ng	99
35) Benzo(b)fluoranthene	22.95	252	2654	0.23	ng	97
36) Benzo(k)fluoranthene	23.01	252	2848	0.24	ng	97
37) Benzo(a)pyrene	23.58	252	2514	0.24	ng	96
38) Dibenzo(a,h)anthracene	26.27	278	2487	0.25	ng	97
39) Benzo(g,h,i)perylene	27.00	276	10825	0.25	ng	96

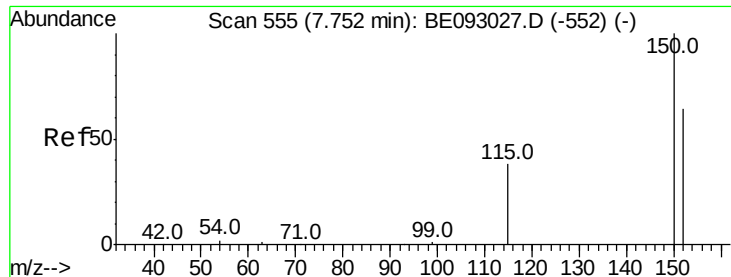
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampled :

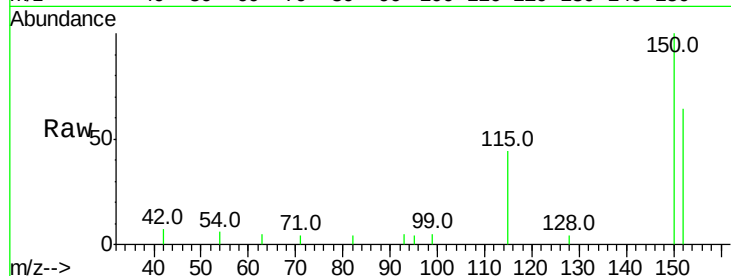
Tot Ion:152 Resp: 1099

Ion Ratio Lower Upper

152 100

150 157.4 125.1 187.7

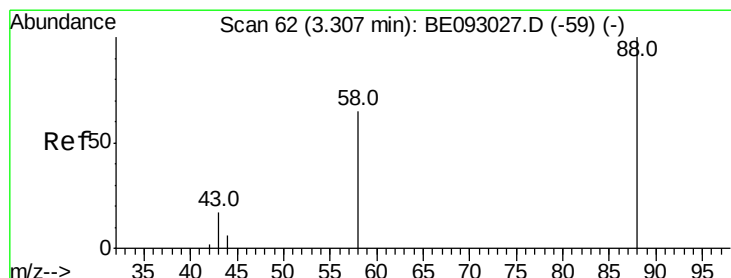
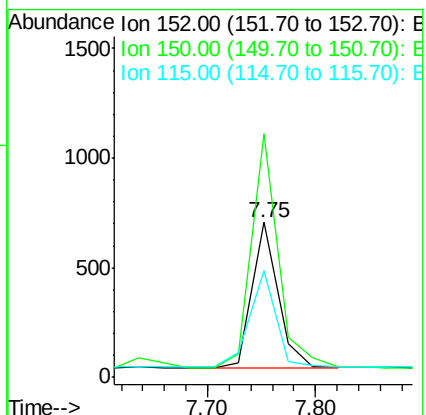
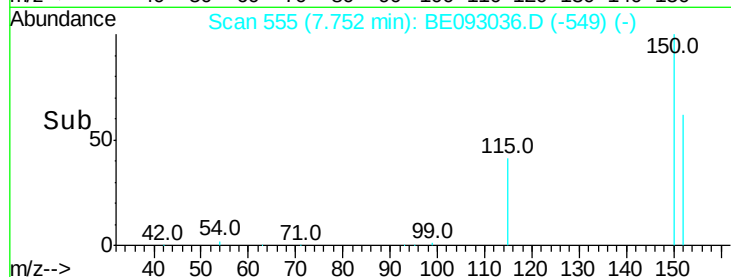
115 69.3 55.7 83.5



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: 0.16 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

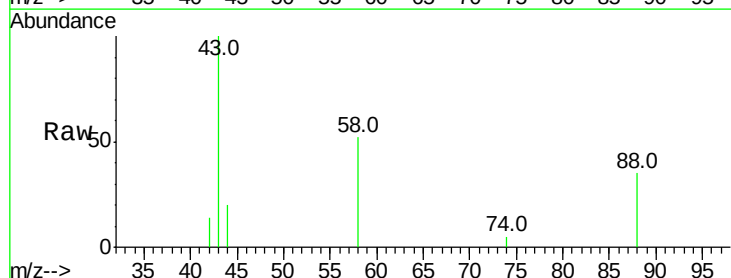
Tgt Ion: 88 Resp: 373

Ion Ratio Lower Upper

88 100

58 104.0 62.2 93.4#

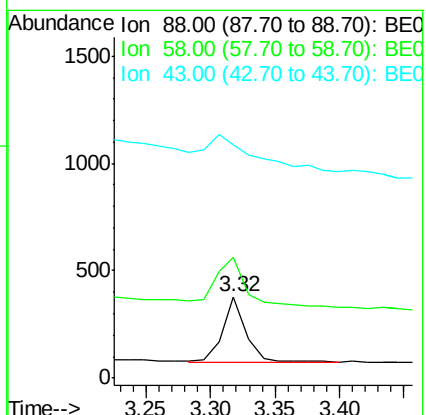
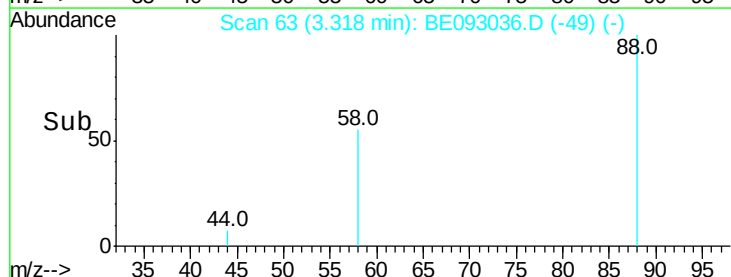
43 114.5 23.2 34.8#

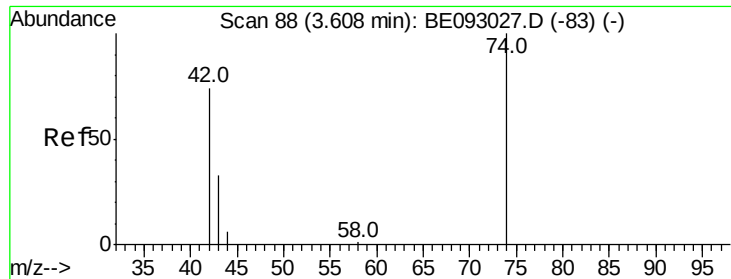


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.22 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampleId :

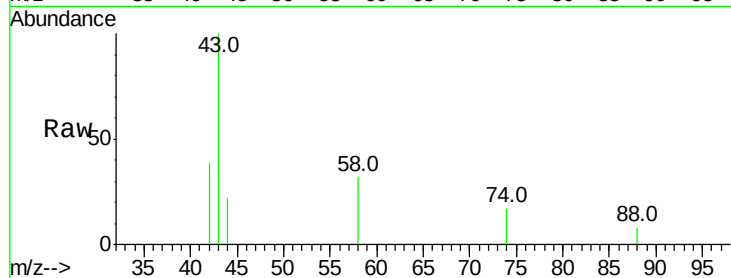
Tot Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

74 131.1 99.1 148.7

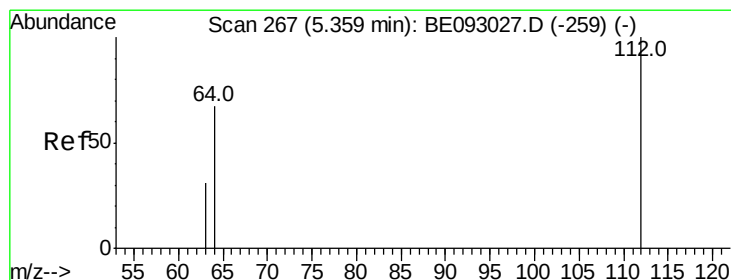
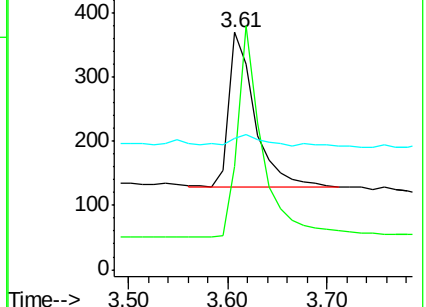
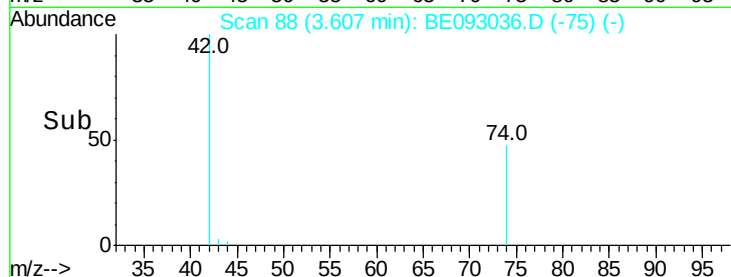
44 9.4 7.4 11.2



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: 0.23 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

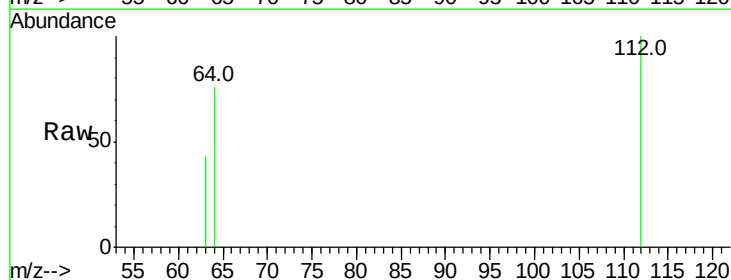
Tgt Ion: 112 Resp: 789

Ion Ratio Lower Upper

112 100

64 71.1 56.4 84.6

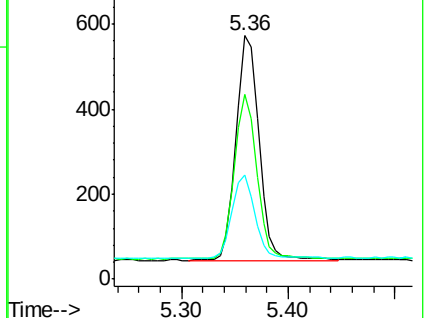
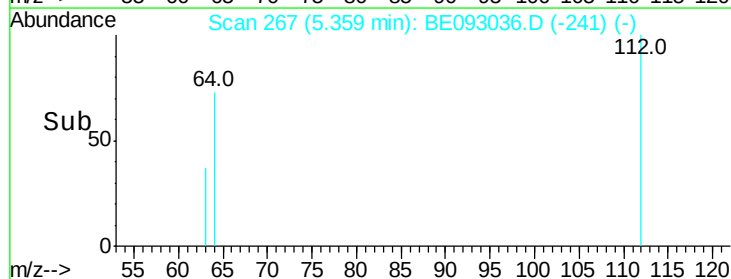
63 37.0 29.3 43.9

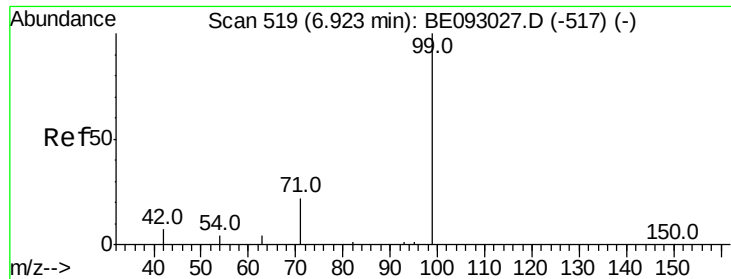


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.22 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampled :

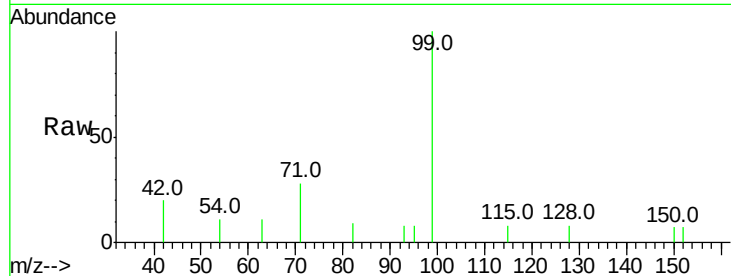
Tot Ion: 99 Resp: 1012

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

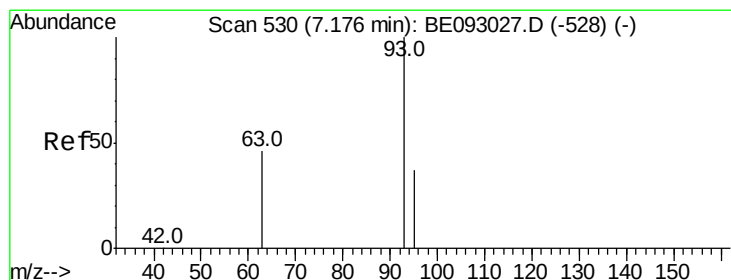
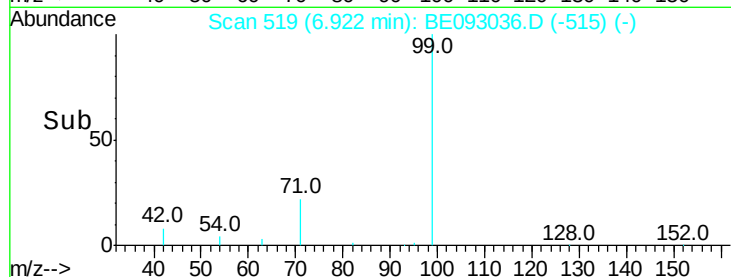
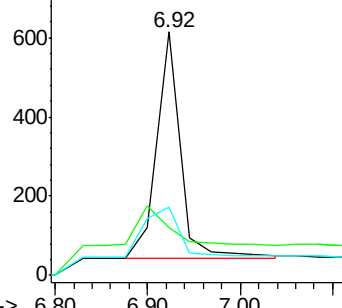
71 33.5 0.0 0.0#



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: 0.24 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

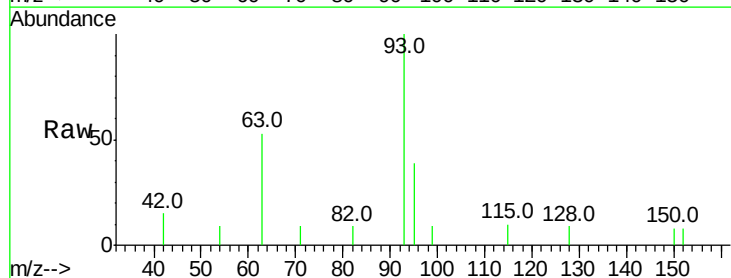
Tgt Ion: 93 Resp: 887

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

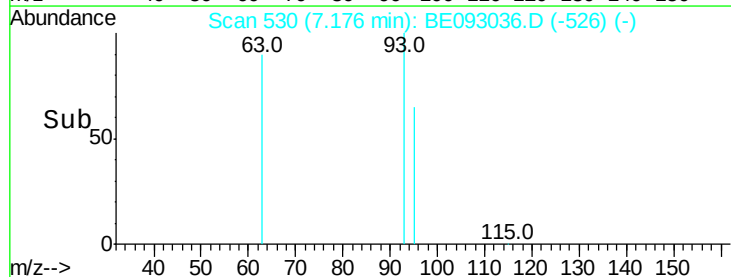
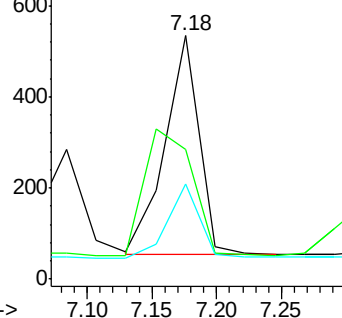
95 31.7 25.4 38.0

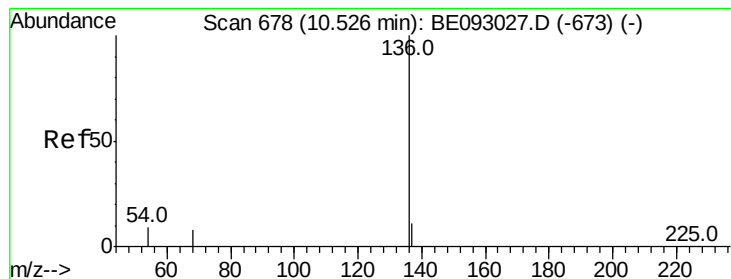


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4170

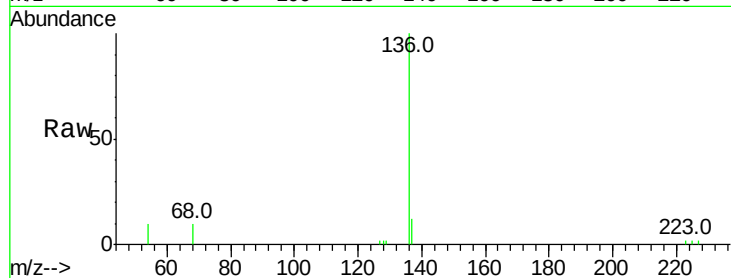
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 10.4 10.3 15.5

68 9.5 9.0 13.4

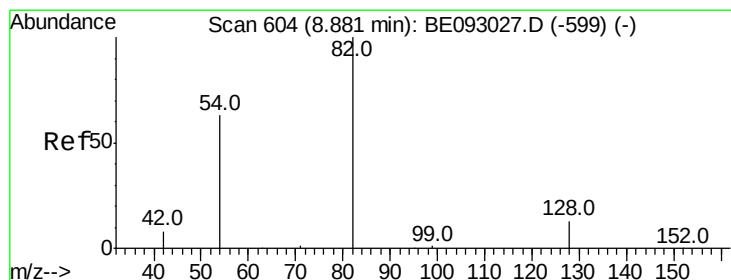
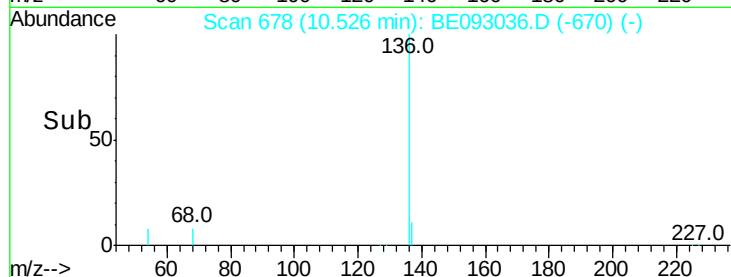
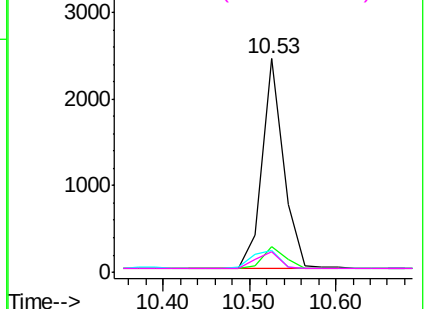


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.23 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

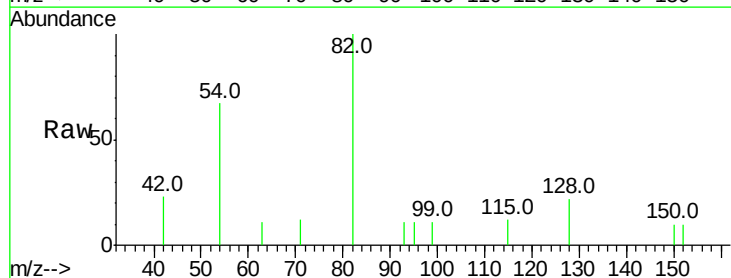
Tgt Ion: 82 Resp: 842

Ion Ratio Lower Upper

82 100

128 22.2 17.0 25.4

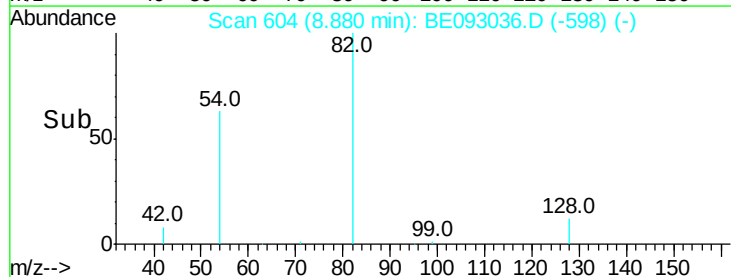
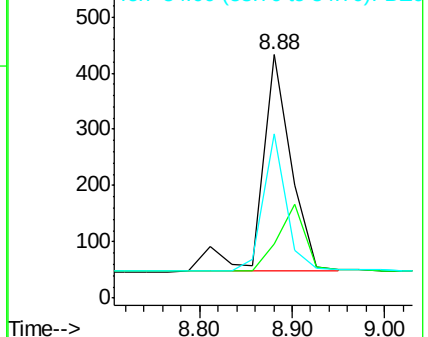
54 67.4 53.8 80.6

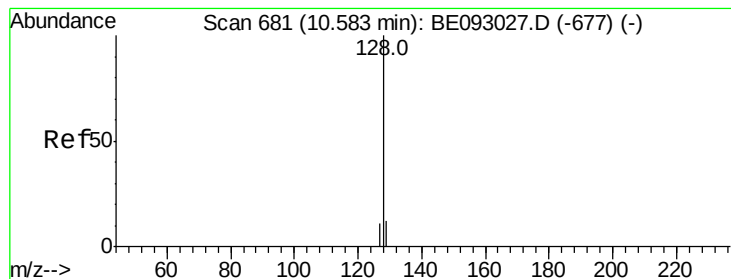


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.24 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampled :

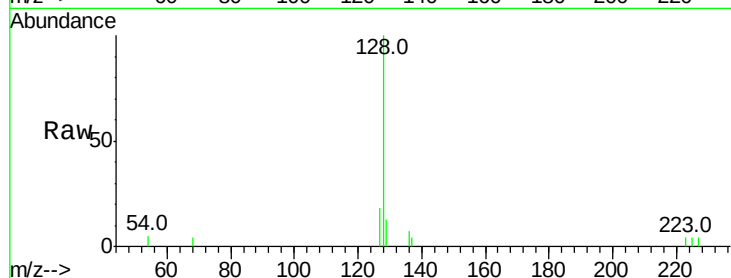
Tot Ion:128 Resp: 2582

Ion Ratio Lower Upper

128 100

129 13.2 11.4 17.0

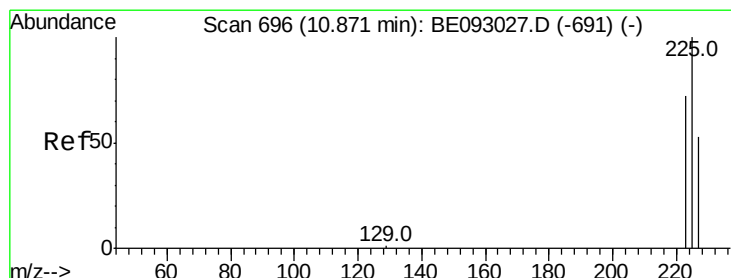
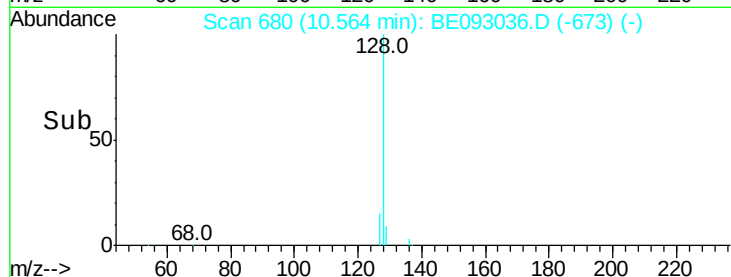
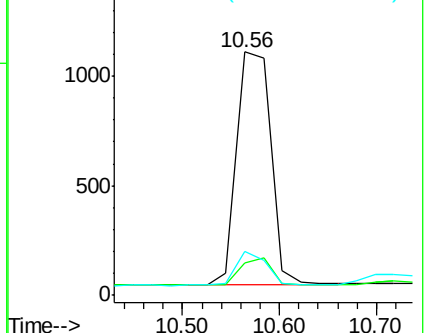
127 18.3 11.2 16.8#



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: 0.24 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

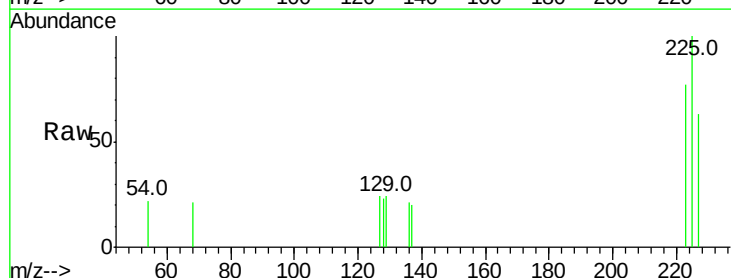
Tgt Ion:225 Resp: 352

Ion Ratio Lower Upper

225 100

223 65.1 49.7 74.5

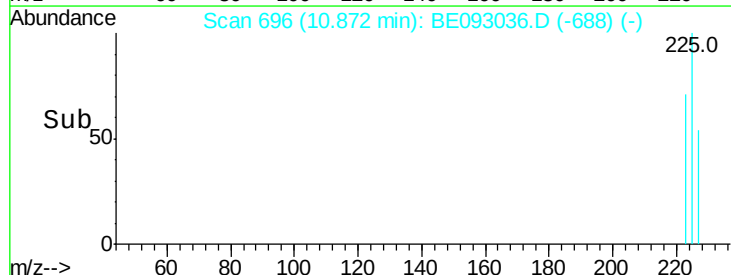
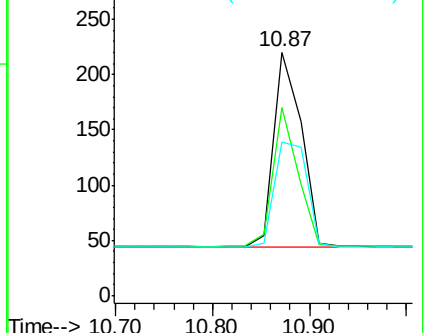
227 62.8 50.3 75.5

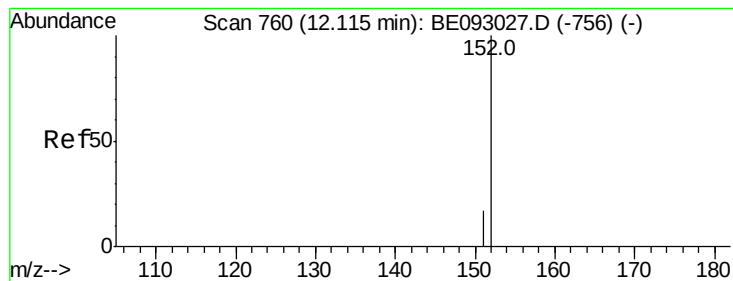


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.28 ng

RT: 12.12 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

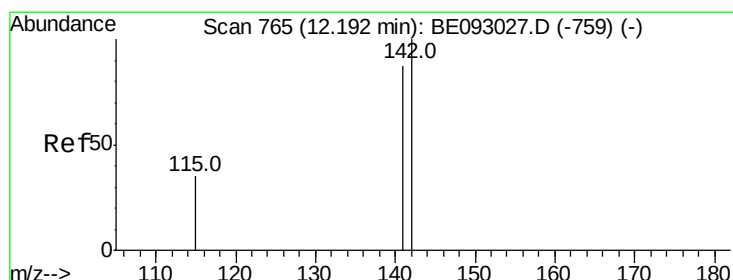
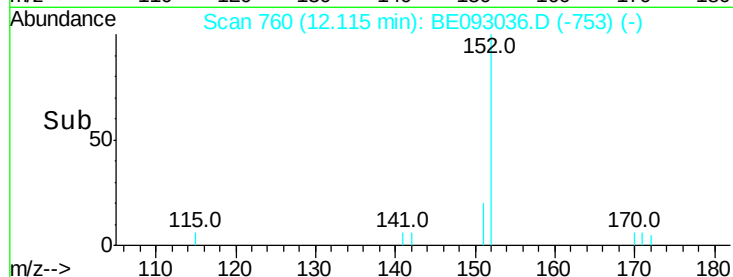
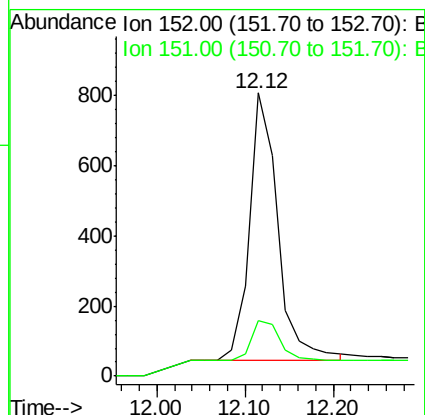
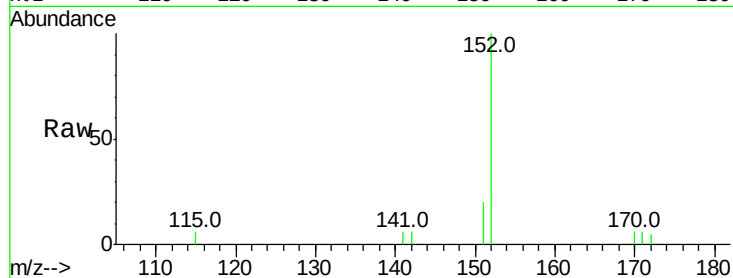
ClientSampleId :

Tot Ion:152 Resp: 1723

Ion Ratio Lower Upper

152 100

151 15.0 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 0.23 ng

RT: 12.19 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

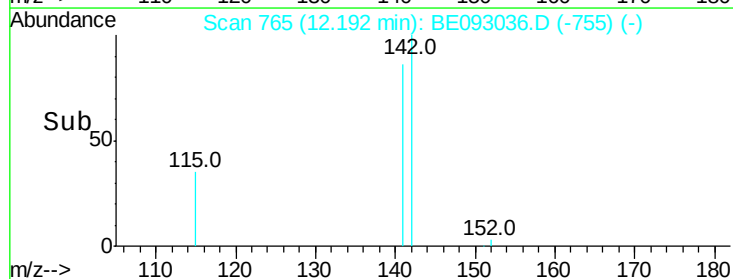
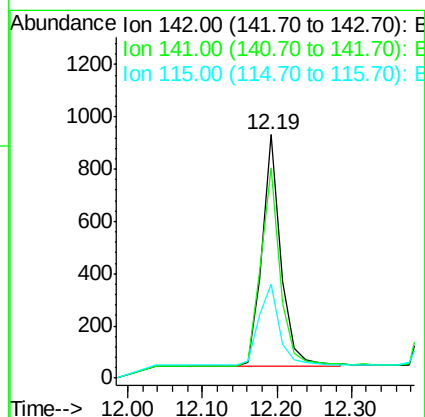
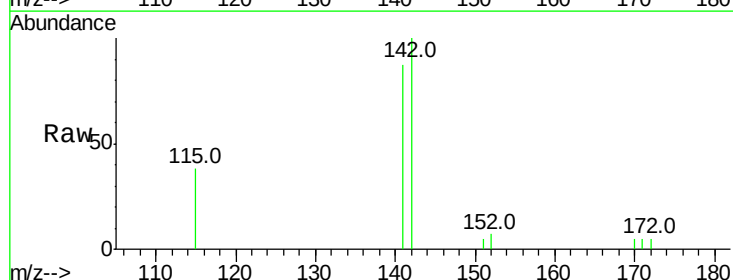
Tgt Ion:142 Resp: 1548

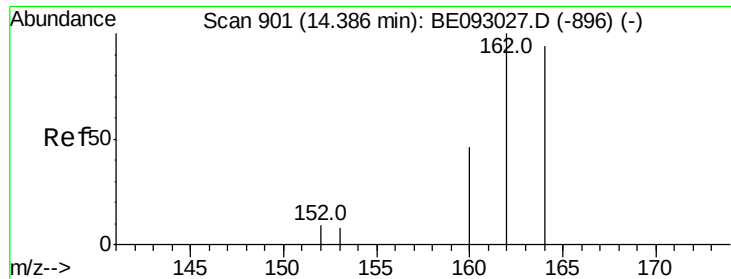
Ion Ratio Lower Upper

142 100

141 86.6 72.6 108.8

115 38.3 32.2 48.2

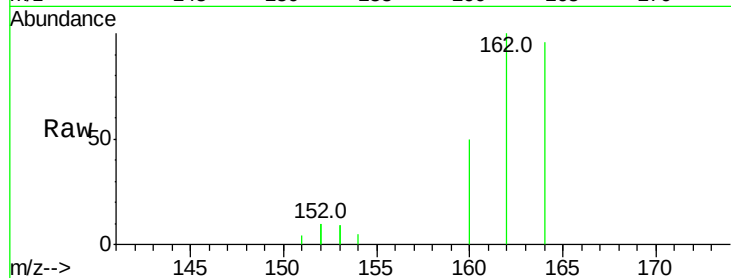




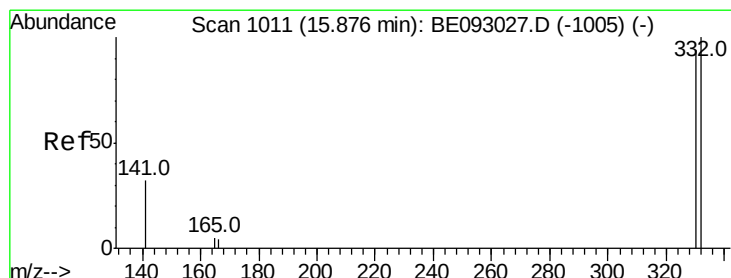
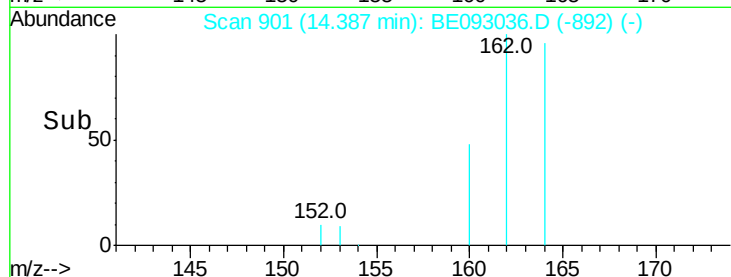
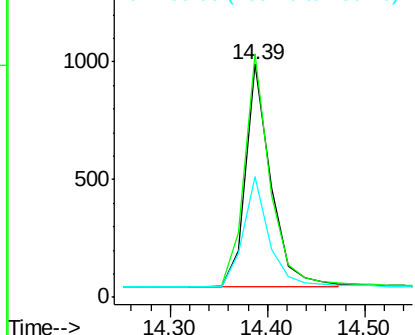
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 1714
Ion Ratio Lower Upper
164 100
162 104.6 84.6 127.0
160 52.0 41.8 62.6

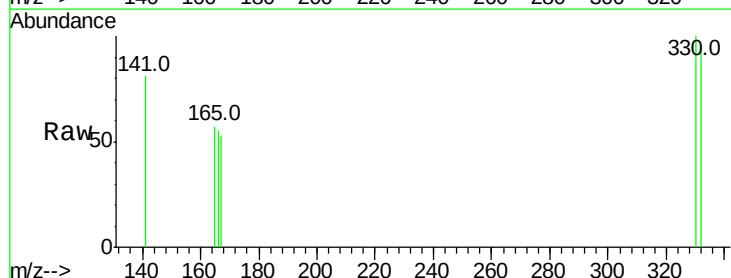


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

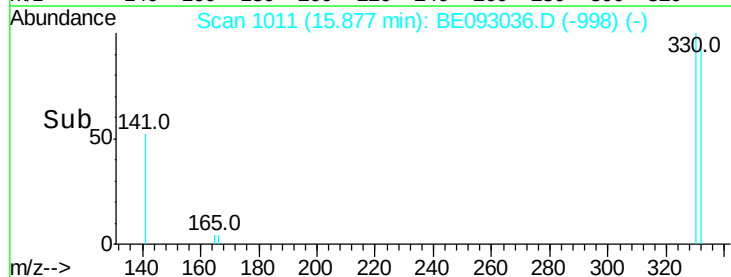
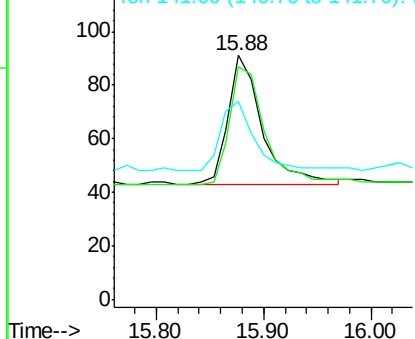


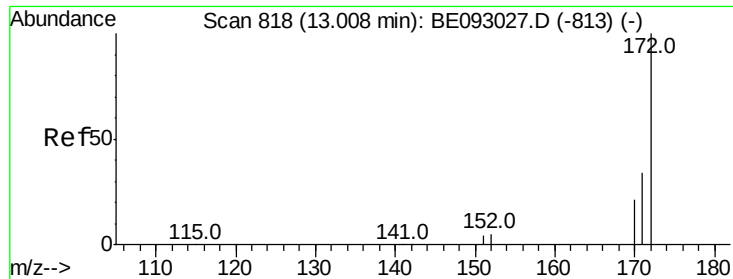
#14
2,4,6-Tribromophenol
Concen: 0.21 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:330 Resp: 106
Ion Ratio Lower Upper
330 100
332 95.3 77.7 116.5
141 54.7 56.2 84.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

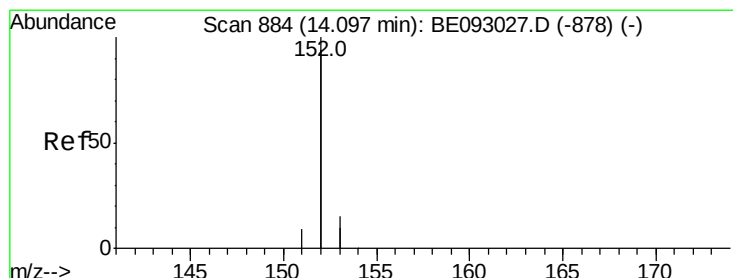
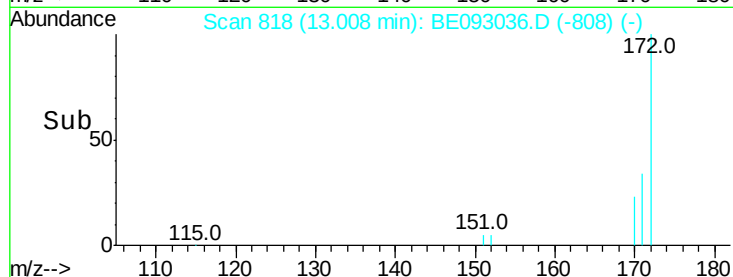
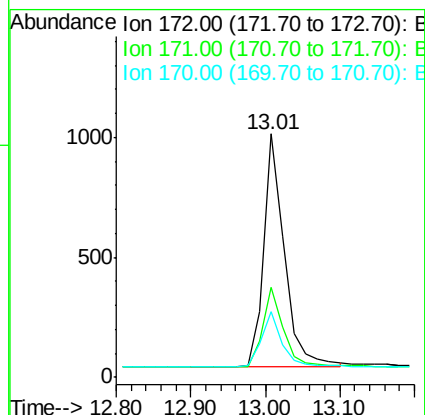
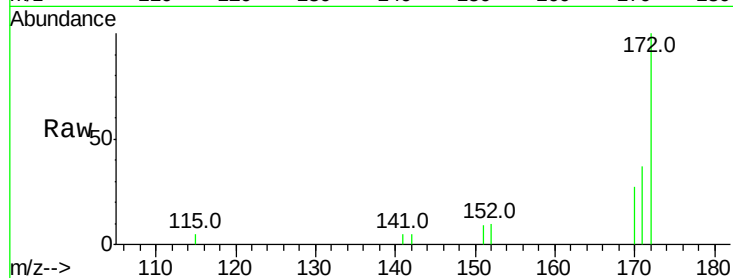




#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 13.01 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

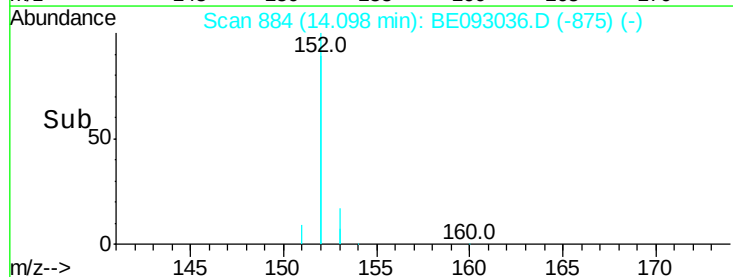
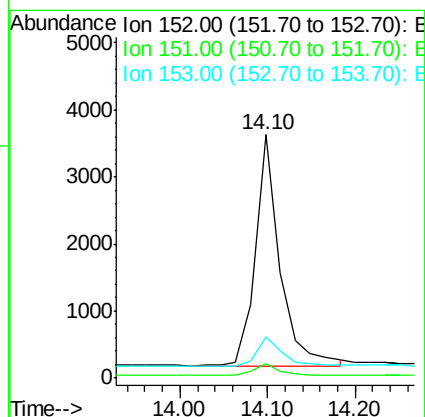
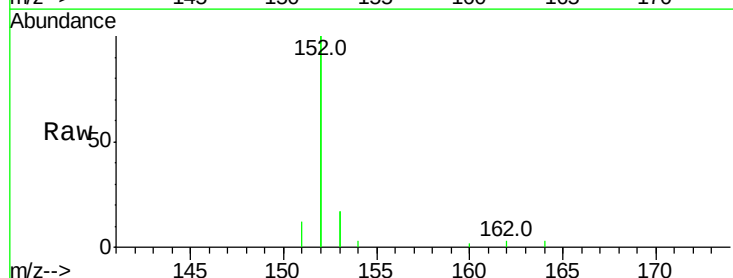
Instrument :
BNA_E
ClientSampleId :

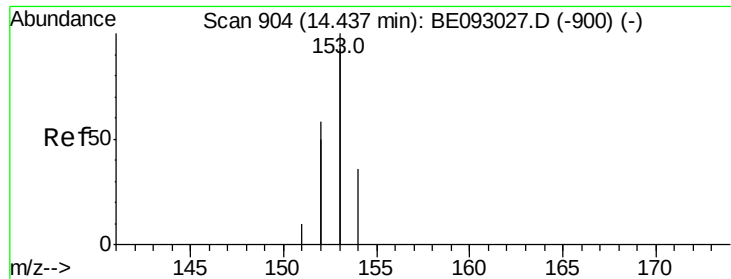
Tot Ion:172 Resp: 1866
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 26.8 20.7 31.1



#16
Acenaphthylene
Concen: 0.22 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:152 Resp: 6704
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 13.1 10.3 15.5

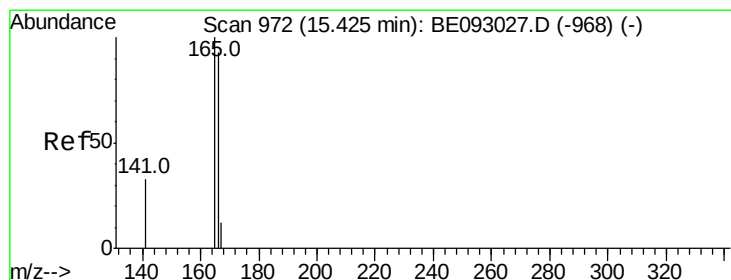
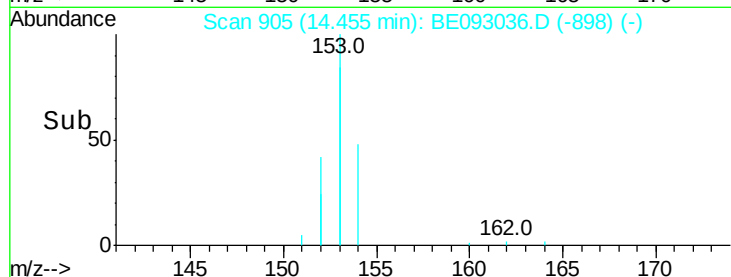
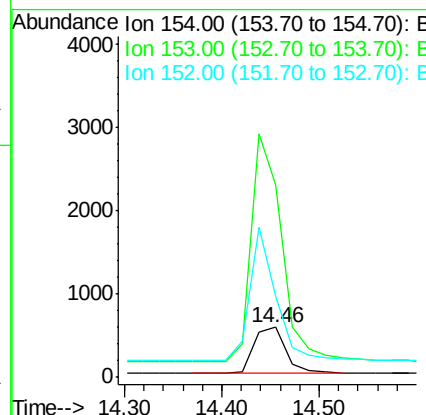
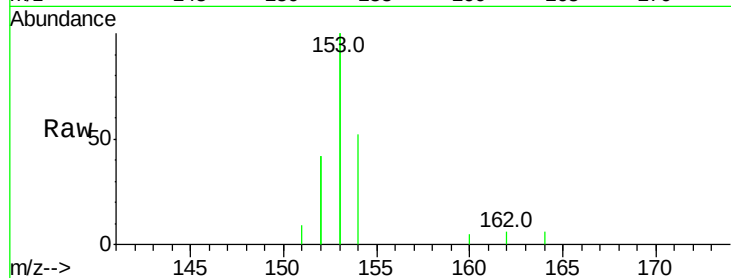




#17
Acenaphthene
Concen: 0.24 ng
RT: 14.46 min Scan# 905
Delta R.T. 0.02 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

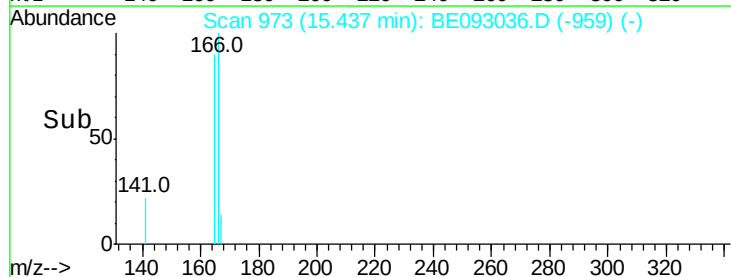
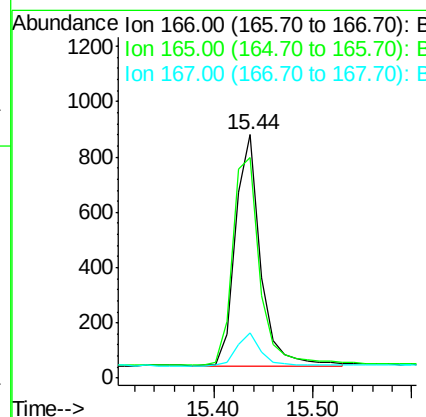
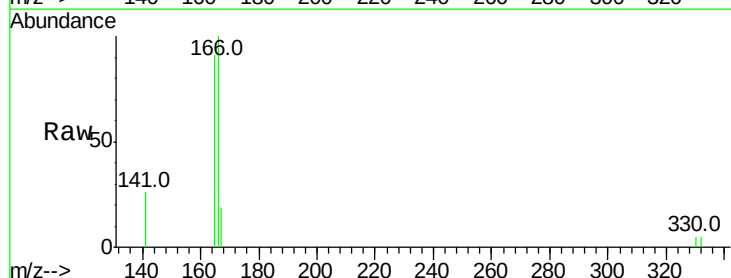
Instrument :
BNA_E
ClientSampleId :

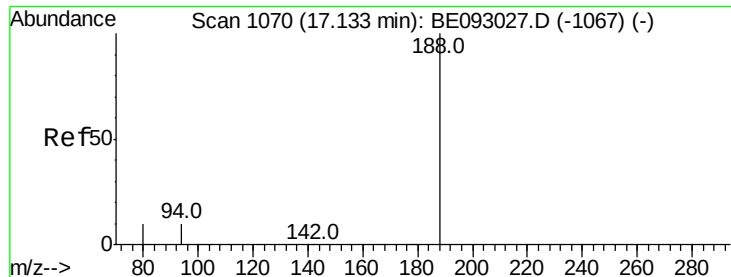
Tot Ion:154 Resp: 1273
Ion Ratio Lower Upper
154 100
153 466.1 367.8 551.6
152 232.7 188.2 282.2



#18
Fluorene
Concen: 0.22 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:166 Resp: 1465
Ion Ratio Lower Upper
166 100
165 98.5 78.6 117.8
167 13.9 11.1 16.7

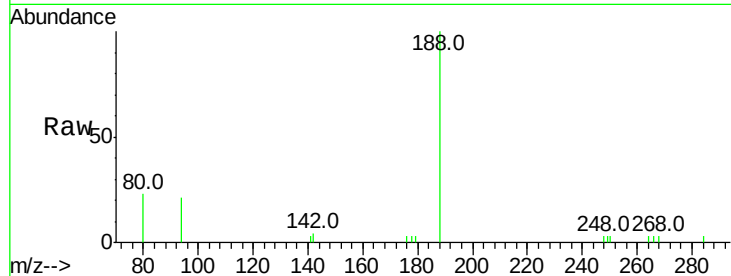




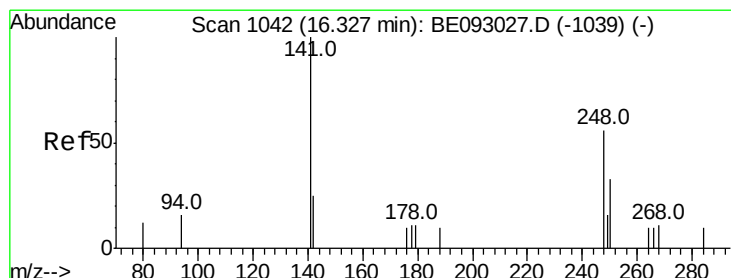
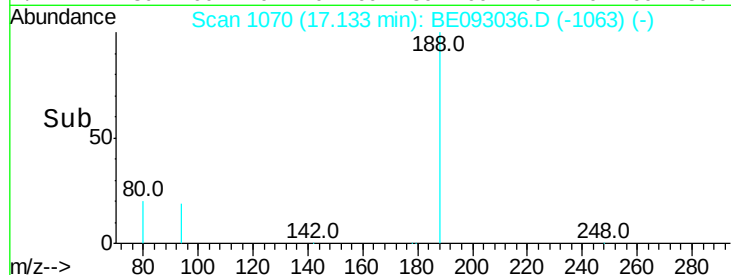
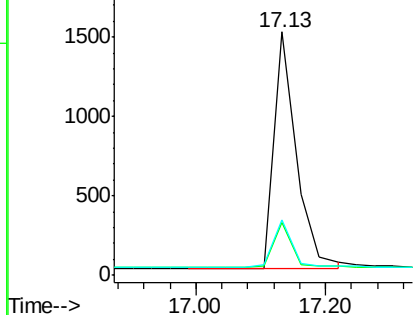
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 3563
Ion Ratio Lower Upper
188 100
94 21.5 11.3 16.9#
80 22.7 11.7 17.5#

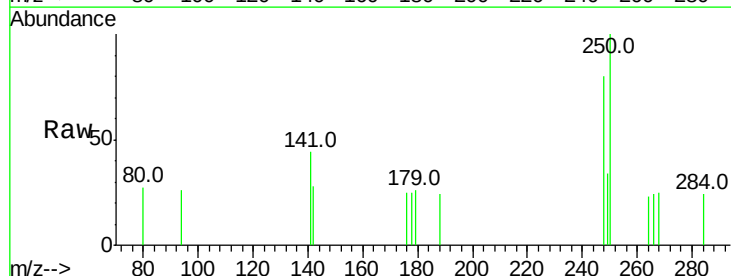


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

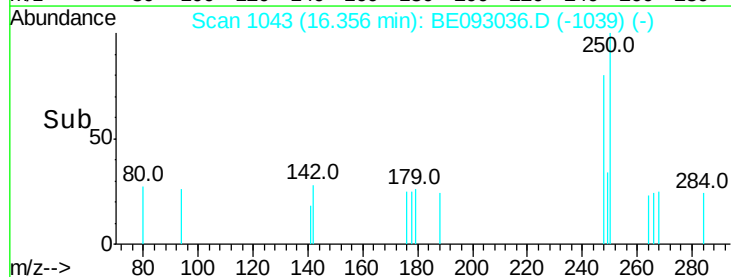
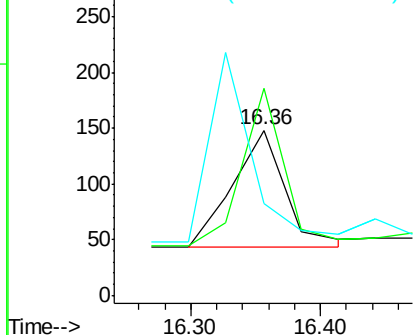


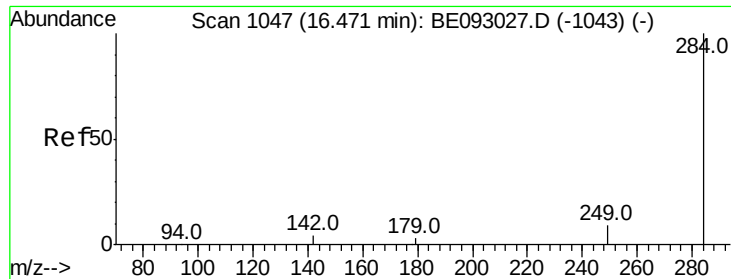
#20
4-Bromophenyl-phenylether
Concen: 0.26 ng
RT: 16.36 min Scan# 1043
Delta R.T. 0.03 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:248 Resp: 288
Ion Ratio Lower Upper
248 100
250 125.7 100.0 150.0
141 55.4 40.0 60.0



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

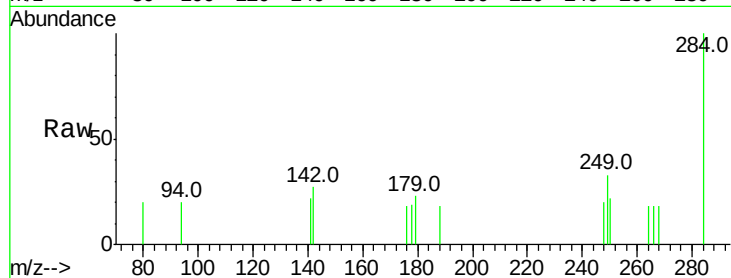




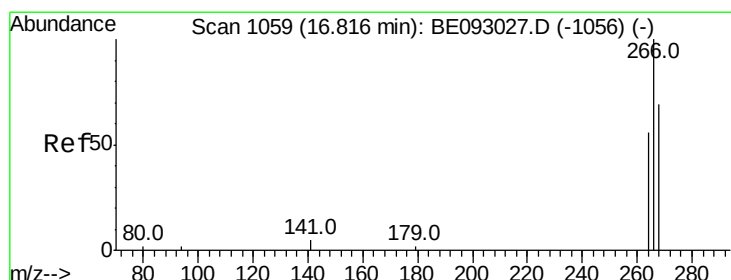
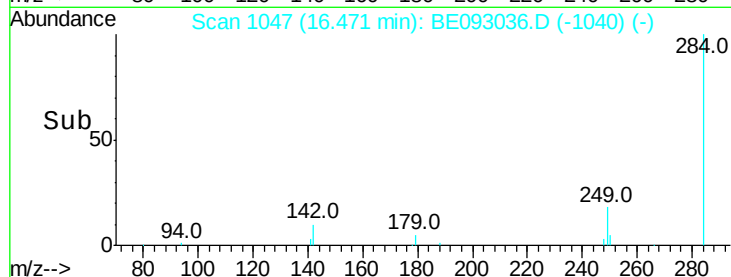
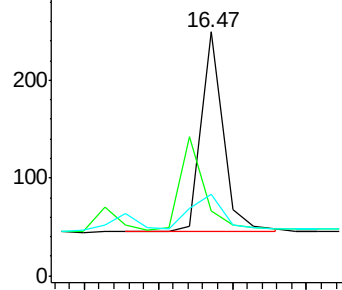
#21
Hexachlorobenzene
Concen: 0.22 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 416
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 25.2 0.0 0.0#

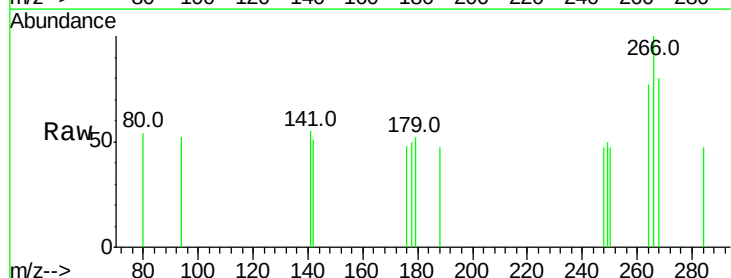


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

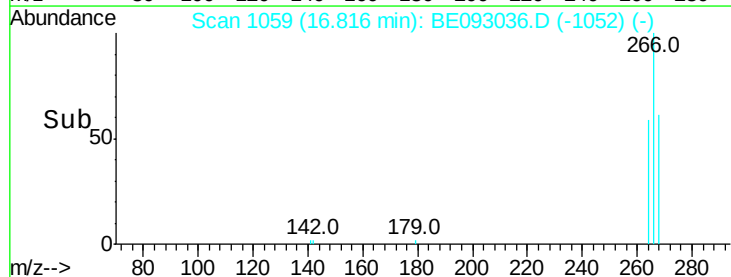
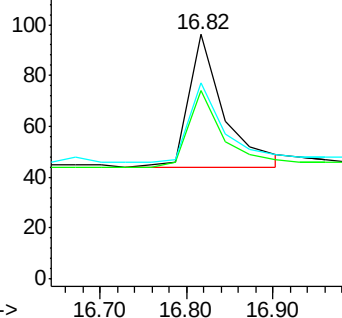


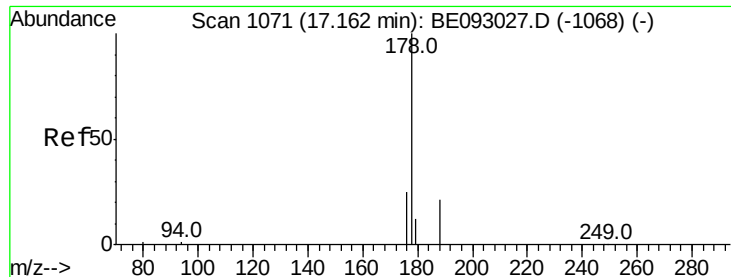
#22
Pentachlorophenol
Concen: 0.34 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:266 Resp: 148
Ion Ratio Lower Upper
266 100
264 77.1 58.2 87.2
268 80.2 71.9 107.9



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: 0.26 ng

RT: 17.19 min Scan# 1072

Delta R.T. 0.03 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampled :

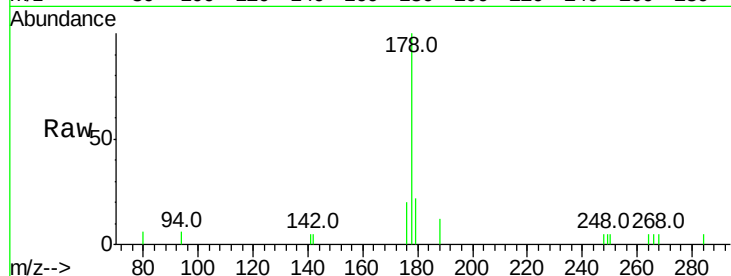
Tot Ion:178 Resp: 2146

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

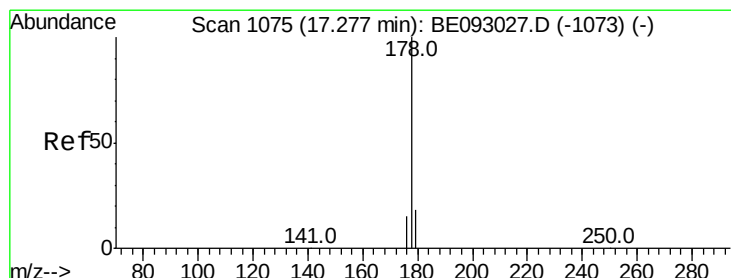
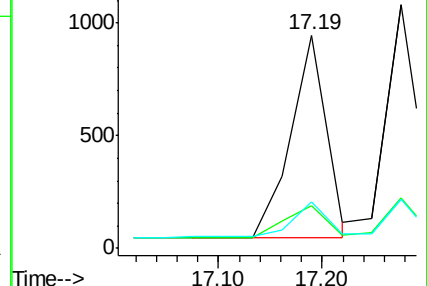
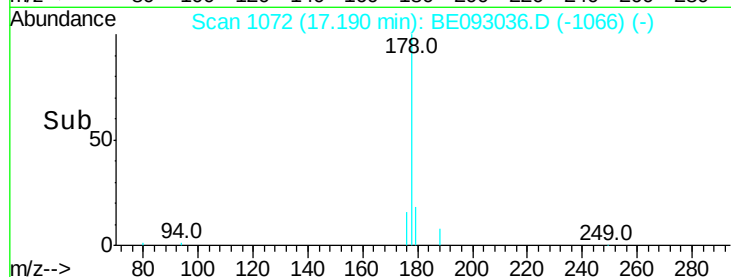
179 17.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.26 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

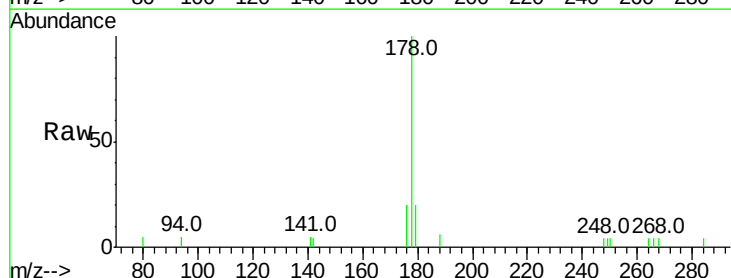
Tgt Ion:178 Resp: 2085

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

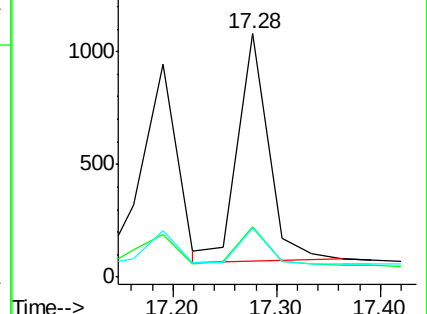
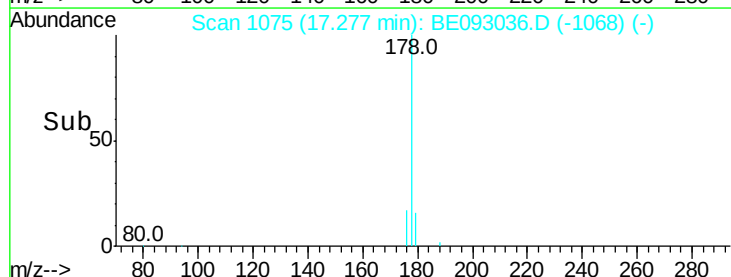
179 15.0 12.0 18.0

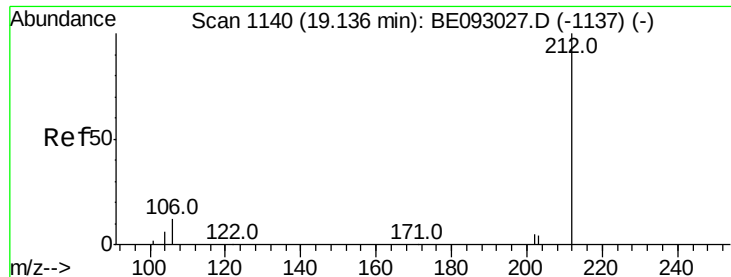


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.23 ng

RT: 19.14 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampleId :

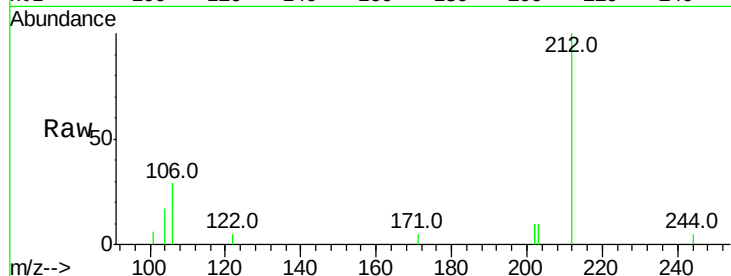
Tot Ion:212 Resp: 2121

Ion Ratio Lower Upper

212 100

106 17.9 0.0 0.0#

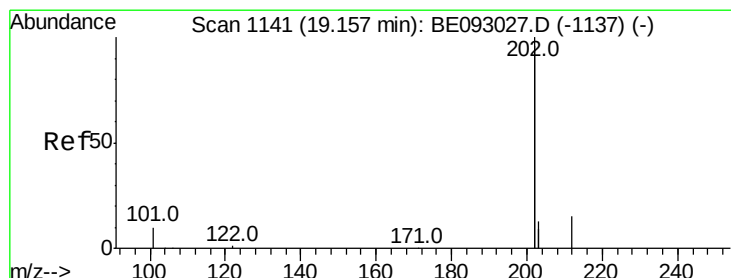
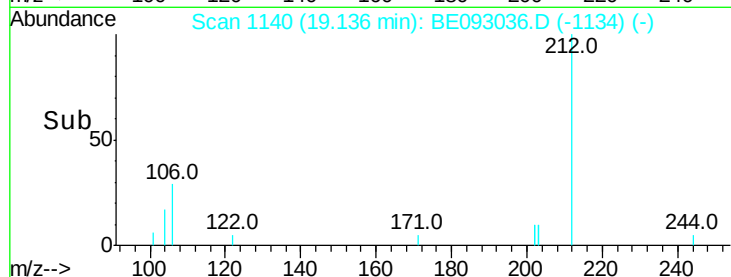
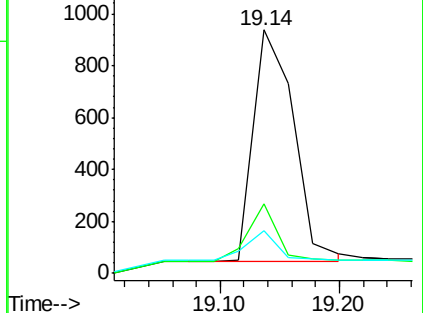
104 9.9 0.0 0.0#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.23 ng

RT: 19.18 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

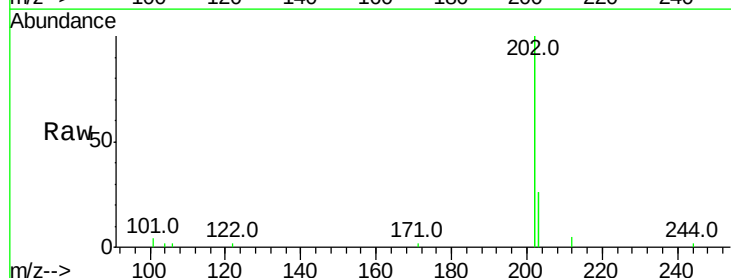
Tgt Ion:202 Resp: 10220

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

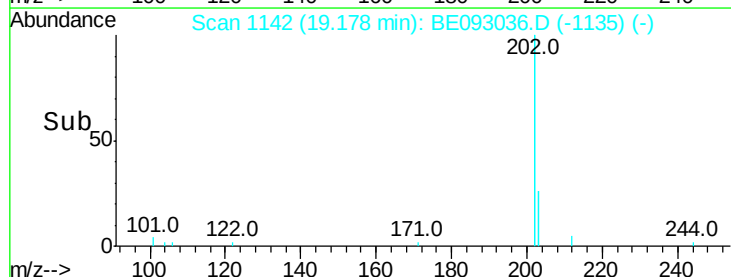
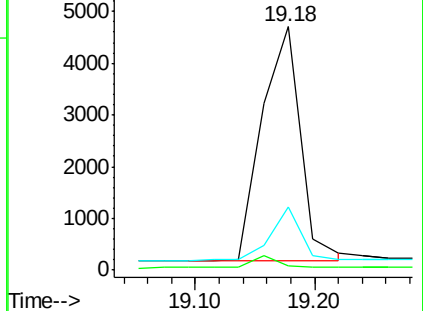
203 18.1 14.4 21.6

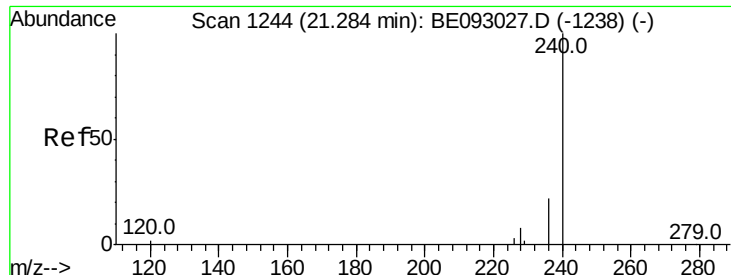


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

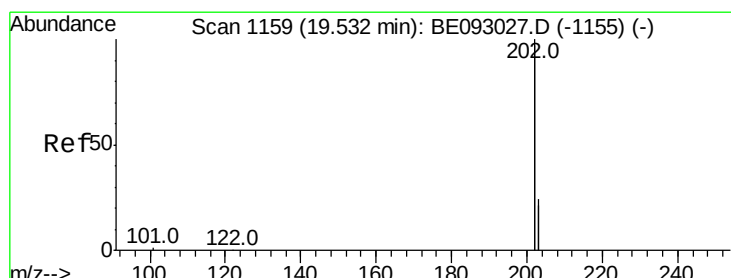
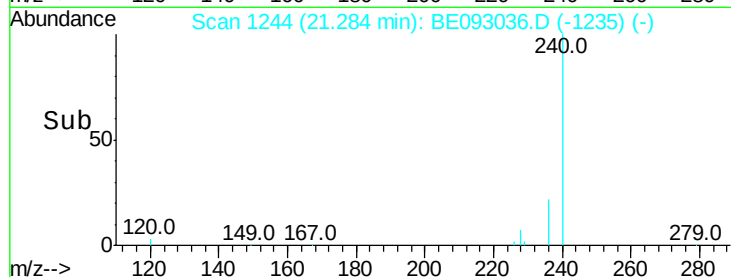
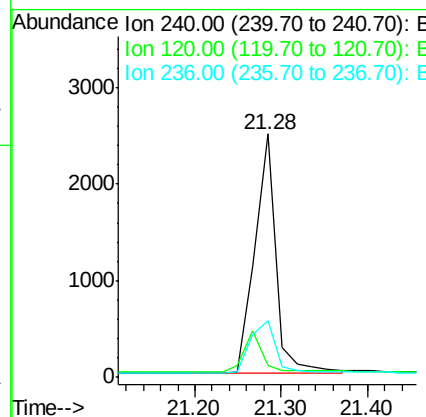
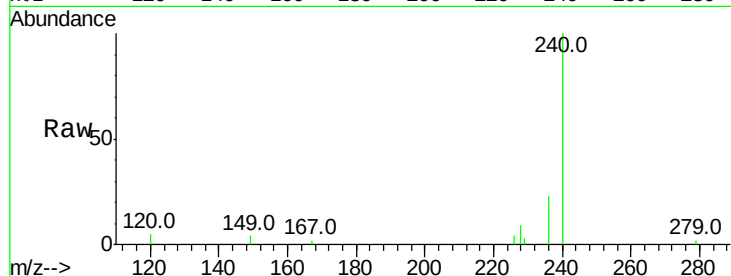




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

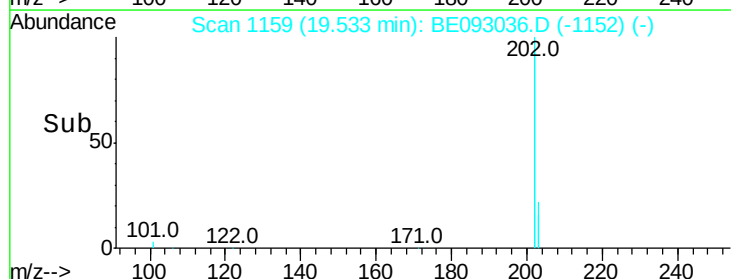
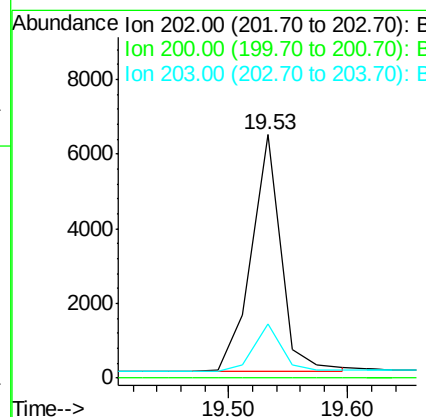
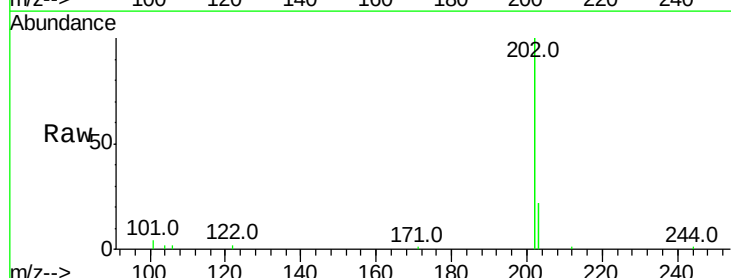
Instrument :
BNA_E
ClientSampleId :

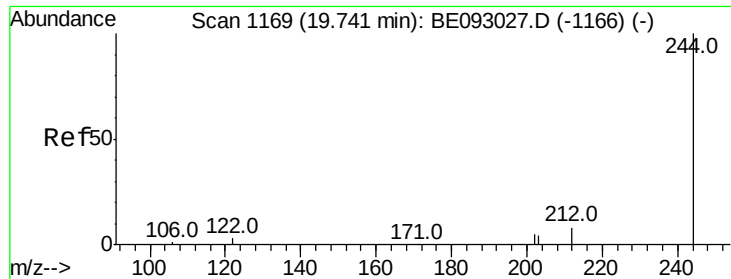
Tot Ion:240 Resp: 4213
Ion Ratio Lower Upper
240 100
120 4.9 4.6 7.0
236 23.3 20.8 31.2



#28
Pyrene
Concen: 0.21 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:202 Resp: 10848
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.8 13.7 20.5

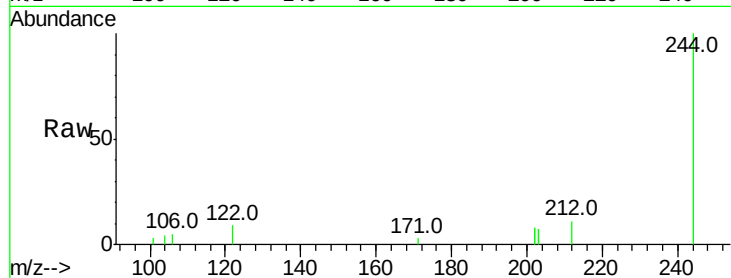




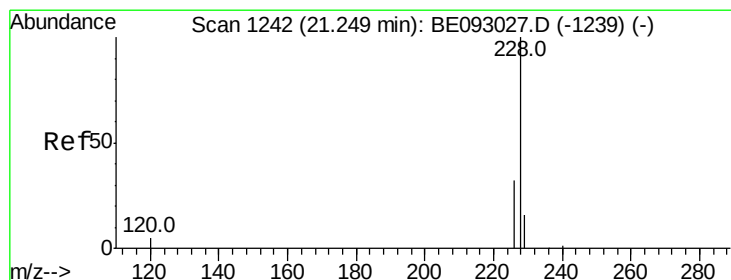
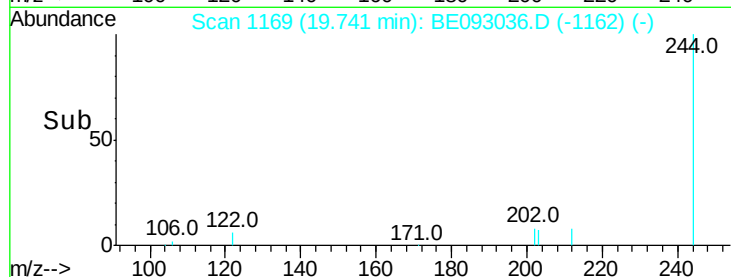
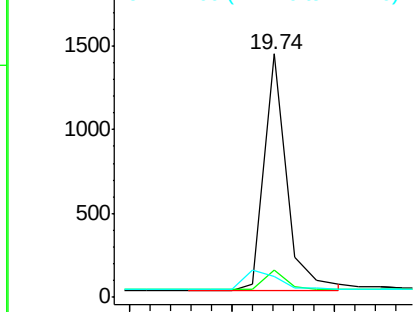
#29
 Terphenyl-d14
 Concen: 0.28 ng
 RT: 19.74 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BE093036.D
 Acq: 15 May 2017 16:13

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 2165
 Ion Ratio Lower Upper
 244 100
 212 11.1 10.6 16.0
 122 8.6 15.4 23.0#

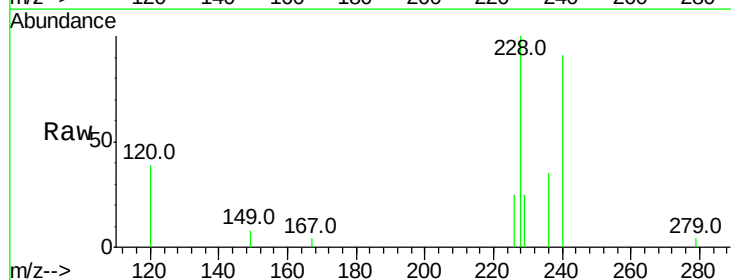


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

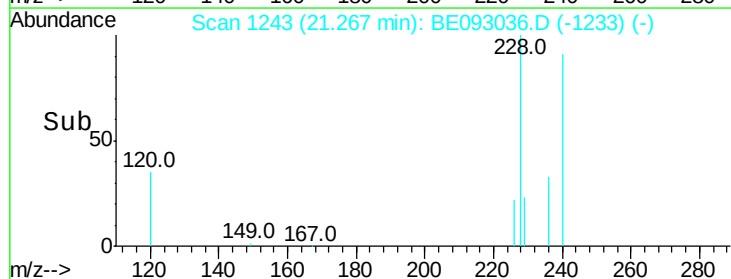
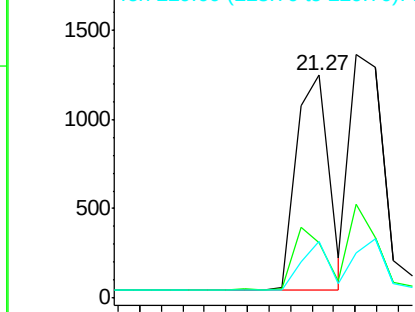


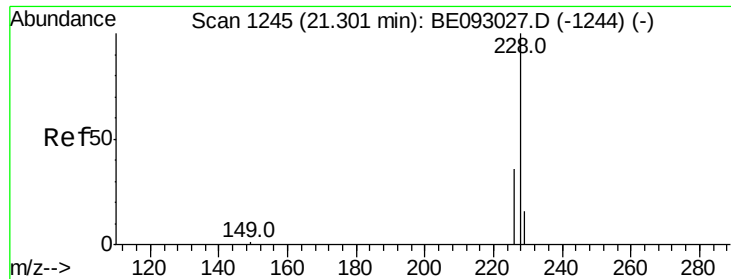
#30
 Benzo(a)anthracene
 Concen: 0.22 ng
 RT: 21.27 min Scan# 1243
 Delta R.T. 0.02 min
 Lab File: BE093036.D
 Acq: 15 May 2017 16:13

Tgt Ion:228 Resp: 2527
 Ion Ratio Lower Upper
 228 100
 226 24.8 19.7 29.5
 229 25.5 19.2 28.8



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.21 ng

RT: 21.27 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampleId :

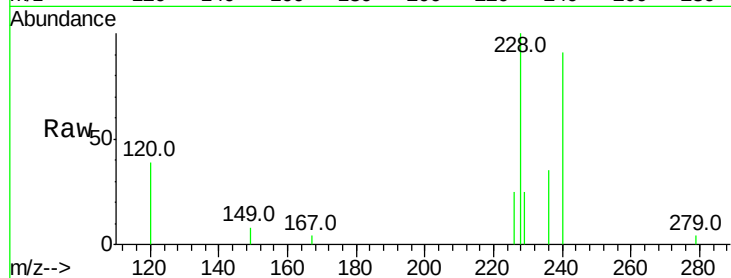
Tot Ion:228 Resp: 2527

Ion Ratio Lower Upper

228 100

226 24.8 21.5 32.3

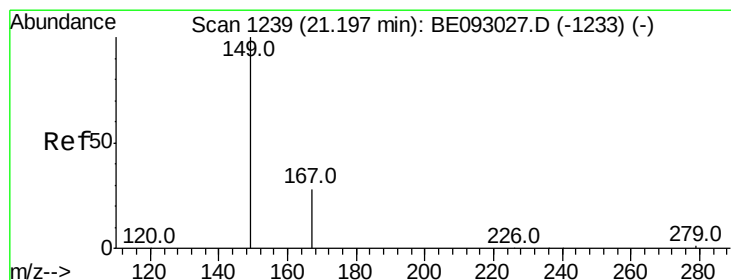
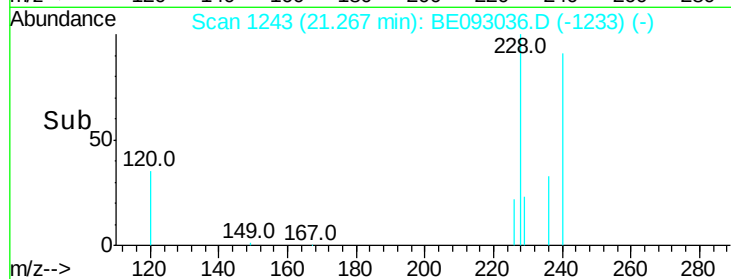
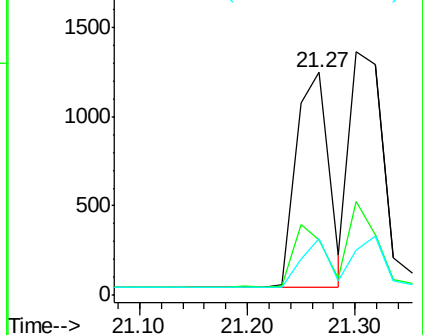
229 25.5 18.6 28.0



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: 0.18 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

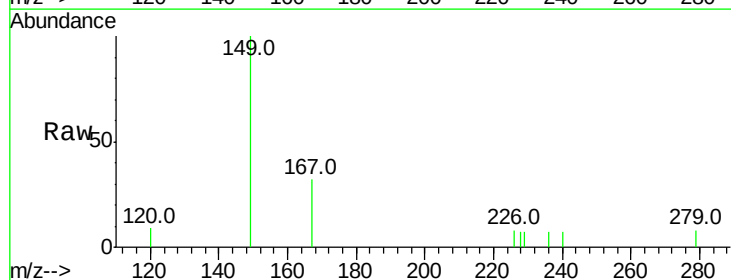
Tgt Ion:149 Resp: 757

Ion Ratio Lower Upper

149 100

167 26.8 20.1 30.1

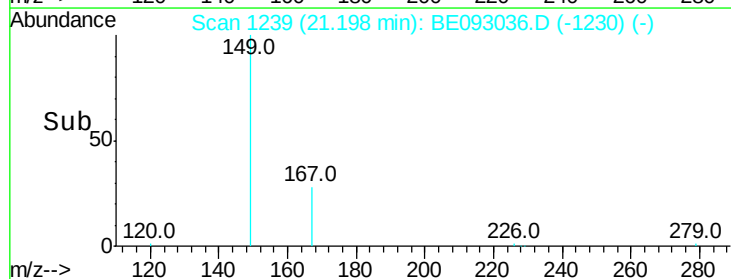
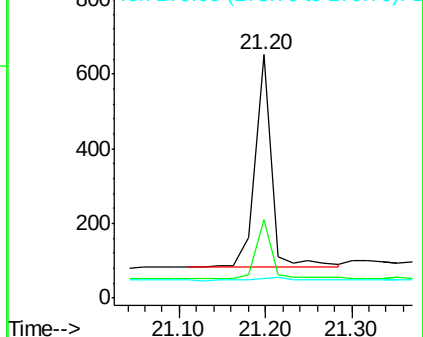
279 3.4 2.2 3.4#

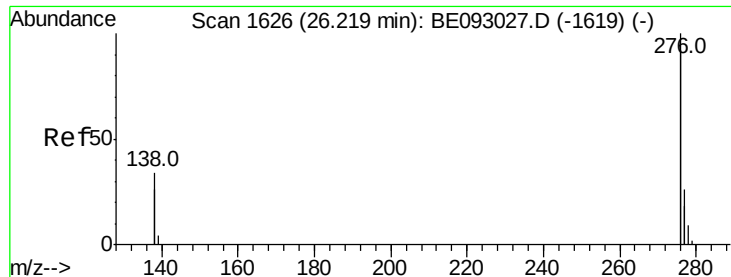


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.27 ng

RT: 26.24 min Scan# 1627

Delta R.T. 0.02 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampleId :

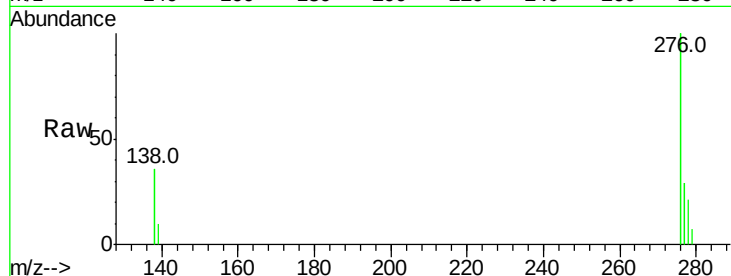
Tot Ion:276 Resp: 12084

Ion Ratio Lower Upper

276 100

138 33.3 27.4 41.2

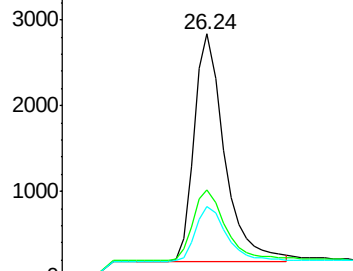
277 24.9 20.1 30.1



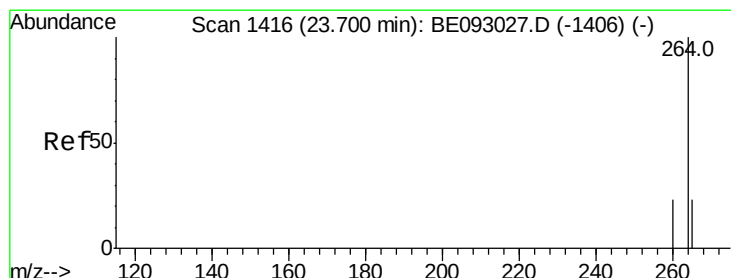
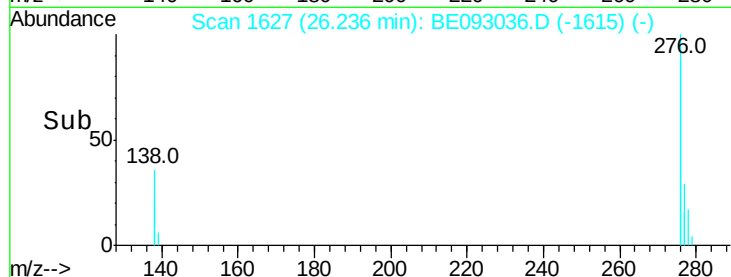
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.70 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BE093036.D

Acq: 15 May 2017 16:13

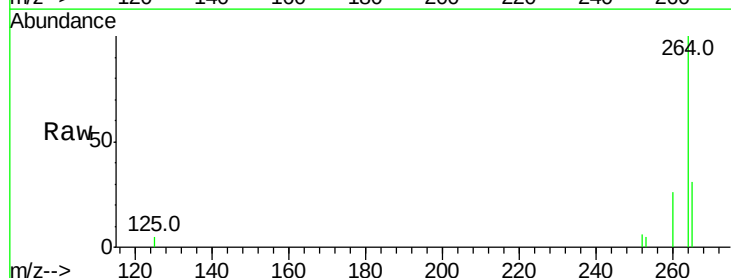
Tgt Ion:264 Resp: 3684

Ion Ratio Lower Upper

264 100

260 25.8 21.0 31.4

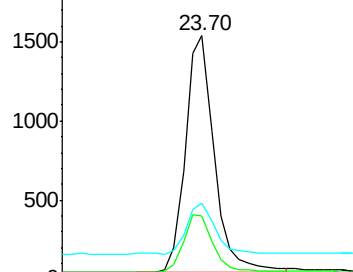
265 31.4 24.6 36.8



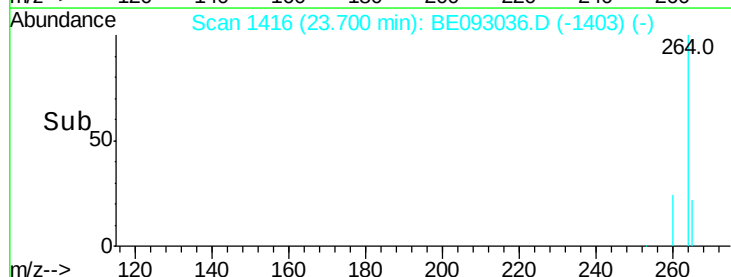
Abundance Ion 264.00 (263.70 to 264.70): E

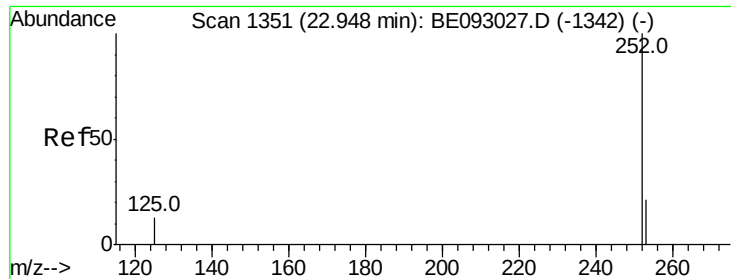
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->

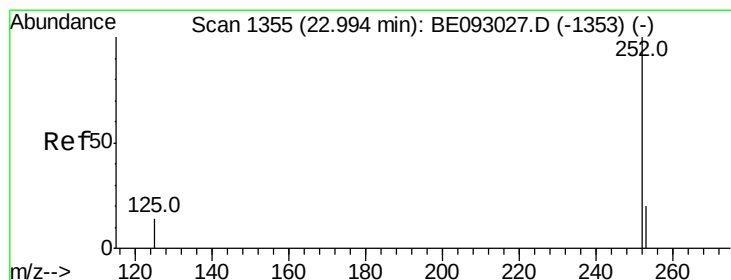
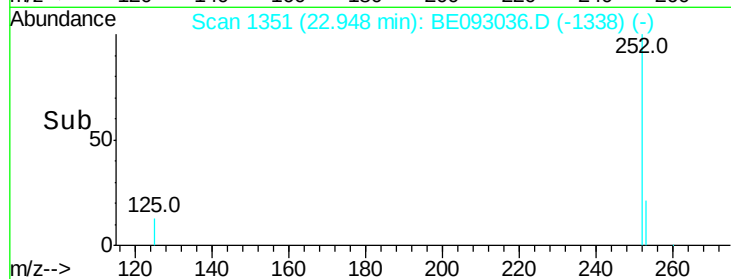
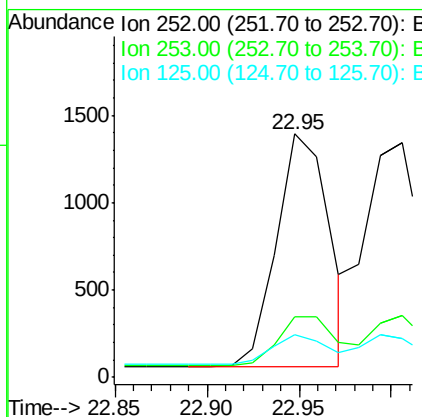
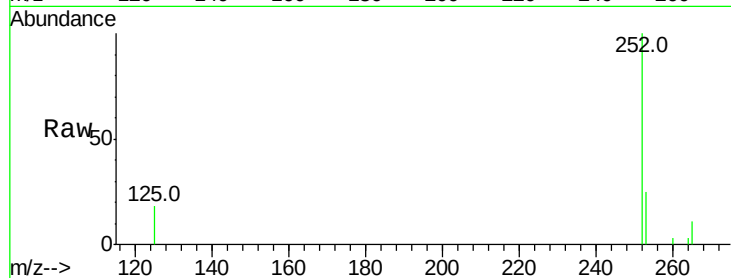




#35
Benzo(b)fluoranthene
Concen: 0.23 ng
RT: 22.95 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

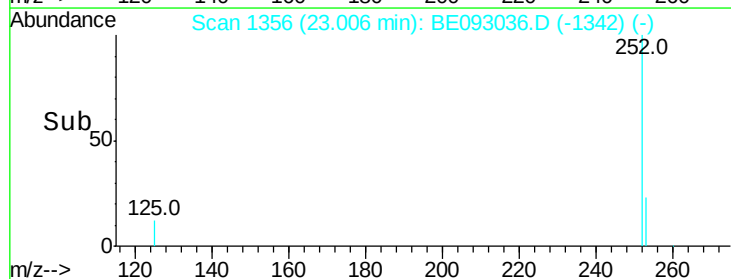
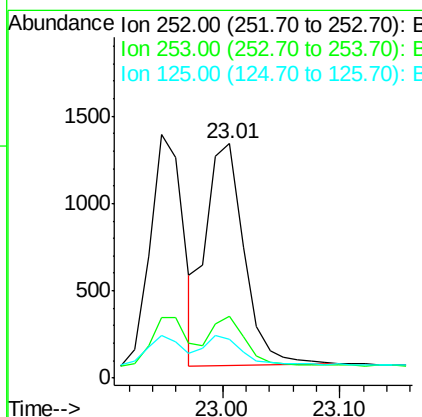
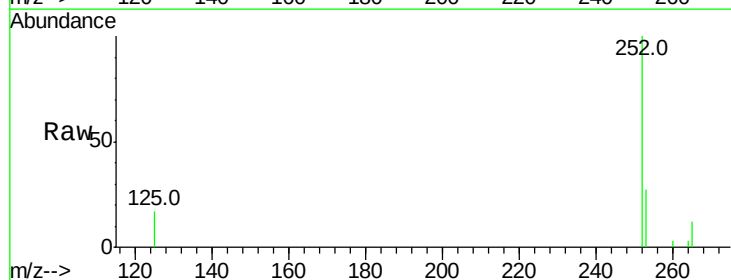
Instrument :
BNA_E
ClientSampleId :

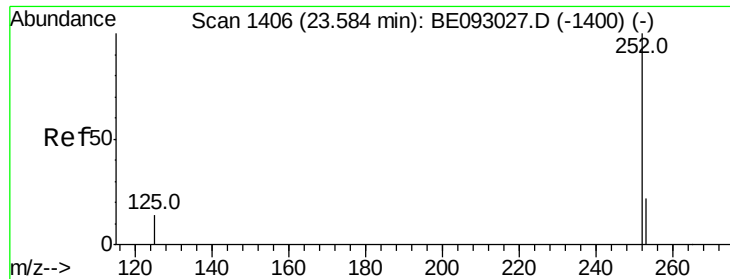
Tot Ion:252 Resp: 2654
Ion Ratio Lower Upper
252 100
253 25.0 18.5 27.7
125 17.5 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.24 ng
RT: 23.01 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:252 Resp: 2848
Ion Ratio Lower Upper
252 100
253 26.6 20.3 30.5
125 16.8 12.2 18.4

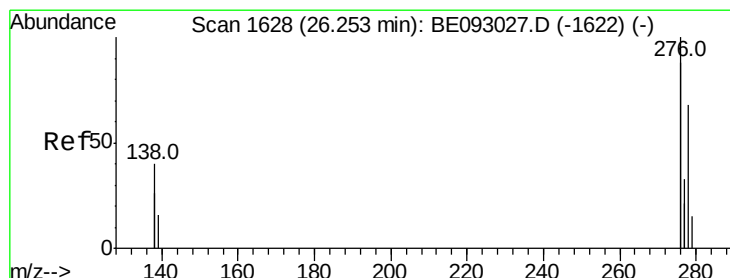
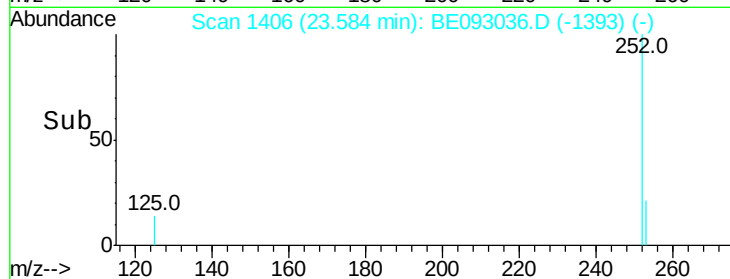
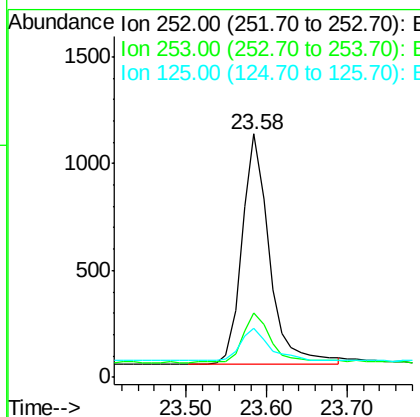
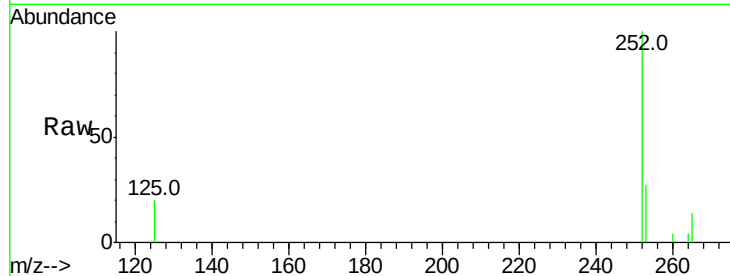




#37
Benzo(a)pyrene
Concen: 0.24 ng
RT: 23.58 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

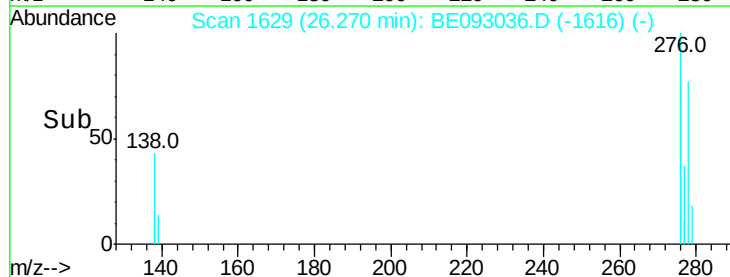
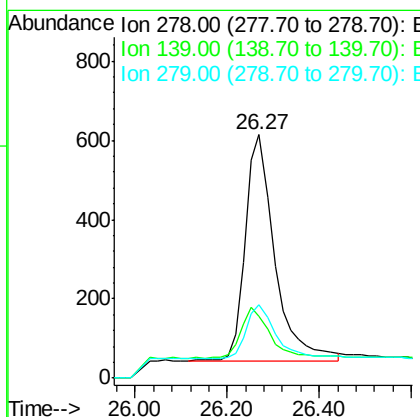
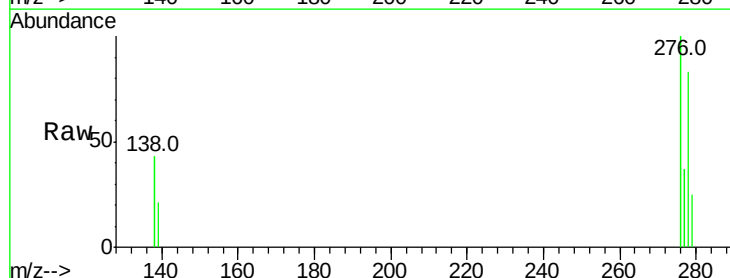
Instrument :
BNA_E
ClientSampleId :

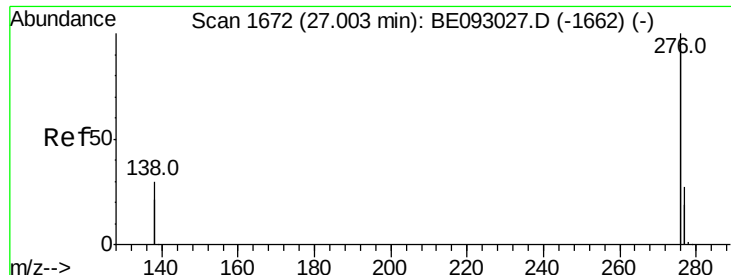
Tot Ion:252 Resp: 2514
Ion Ratio Lower Upper
252 100
253 26.6 19.9 29.9
125 20.0 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 26.27 min Scan# 1629
Delta R.T. 0.02 min
Lab File: BE093036.D
Acq: 15 May 2017 16:13

Tgt Ion:278 Resp: 2487
Ion Ratio Lower Upper
278 100
139 25.6 21.4 32.0
279 30.0 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.25 ng

RT: 27.00 min Scan# 1672

Delta R.T. -0.00 min

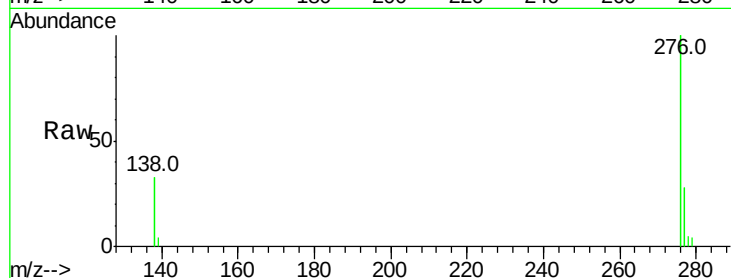
Lab File: BE093036.D

Acq: 15 May 2017 16:13

Instrument :

BNA_E

ClientSampleId :



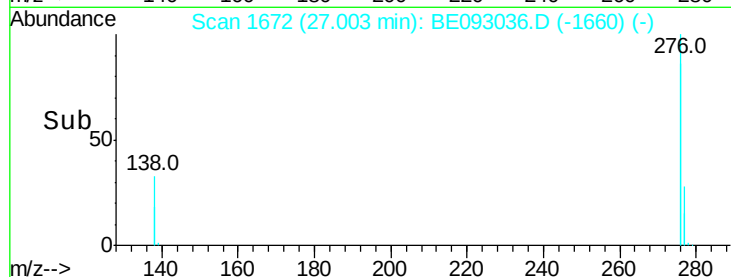
Tot Ion:276 Resp: 10825

Ion Ratio Lower Upper

276 100

277 28.2 21.2 31.8

138 32.9 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

