

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051917\
 Data File : BE093057.D
 Acq On : 19 May 2017 12:48
 Operator : SJ/MA
 Sample : PB99051BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB99051BS

Quant Time: May 19 17:54:54 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	1021	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	4029	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1674	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4343	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4624	0.40	ng	0.00
34) Perylene-d12	23.69	264	3994	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	830	0.27	ng	0.00
5) Phenol-d6	6.92	99	1218	0.29	ng	0.00
8) Nitrobenzene-d5	8.88	82	1044	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2307	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	144	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2129	0.31	ng	0.00
25) Fluoranthene-d10	19.14	212	2926	0.26	ng	0.00
29) Terphenyl-d14	19.74	244	2750	0.32	ng	0.00

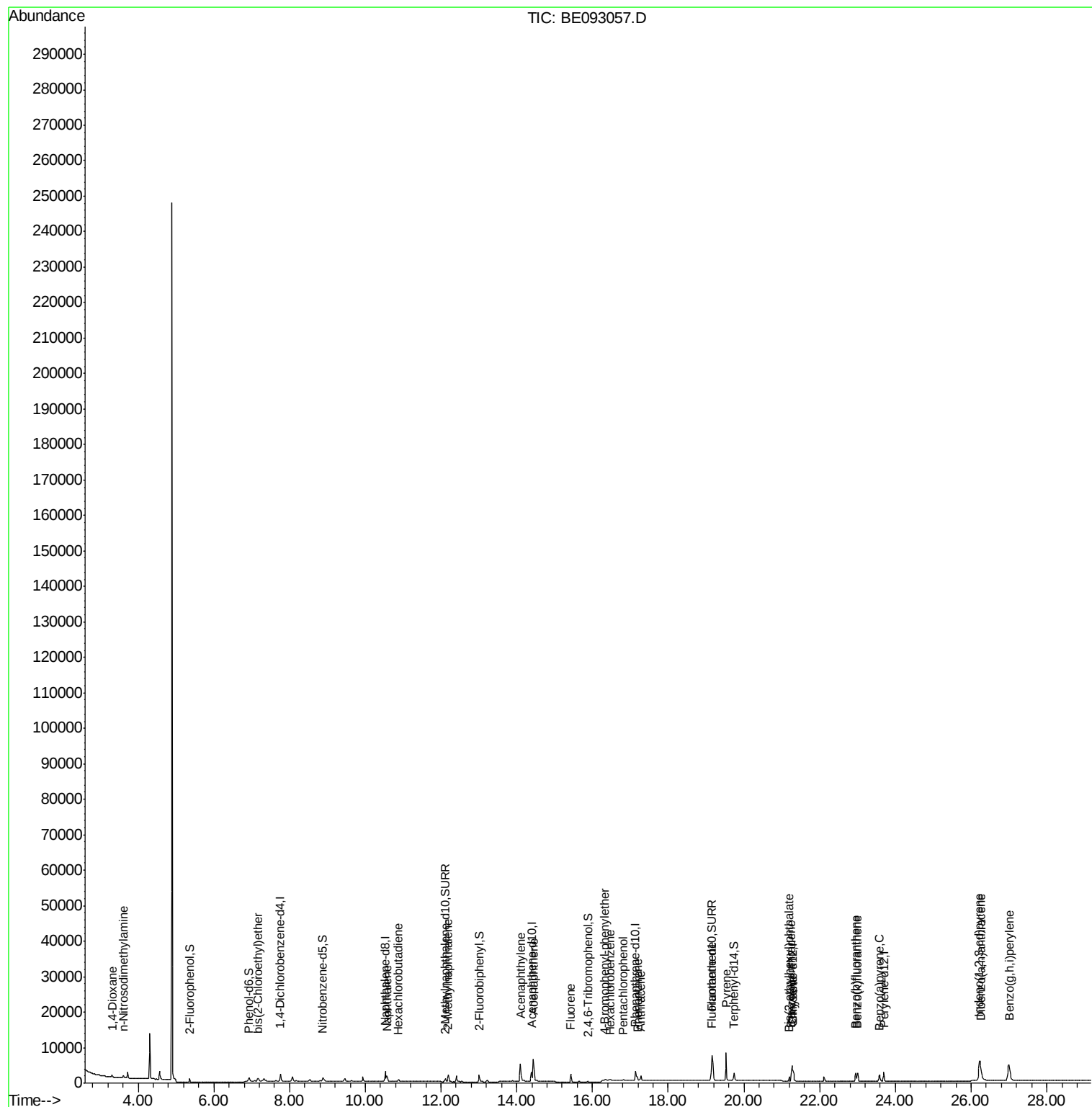
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	366	0.17	ng	# 42
3) n-Nitrosodimethylamine	3.61	42	481	0.26	ng	99
6) bis(2-Chloroethyl)ether	7.18	93	872	0.25	ng	# 100
9) Naphthalene	10.56	128	2707	0.26	ng	# 94
10) Hexachlorobutadiene	10.87	225	375	0.27	ng	99
12) 2-Methylnaphthalene	12.19	142	1529	0.23	ng	97
16) Acenaphthylene	14.10	152	7803	0.27	ng	100
17) Acenaphthene	14.44	154	1396	0.26	ng	97
18) Fluorene	15.42	166	1657	0.26	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	354	0.26	ng	# 6
21) Hexachlorobenzene	16.47	284	430	0.17	ng	# 100
22) Pentachlorophenol	16.82	266	357	0.71	ng	88
23) Phenanthrene	17.19	178	2353	0.23	ng	# 77
24) Anthracene	17.28	178	2231	0.21	ng	97
26) Fluoranthene	19.16	202	12487	0.23	ng	# 59
28) Pyrene	19.53	202	12521	0.22	ng	# 95
30) Benzo(a)anthracene	21.25	228	3363	0.27	ng	# 84
31) Chrysene	21.30	228	3525	0.26	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.20	149	1352	0.25	ng	96
33) Indeno(1,2,3-cd)pyrene	26.22	276	14604	0.30	ng	98
35) Benzo(b)fluoranthene	22.95	252	3501	0.28	ng	98
36) Benzo(k)fluoranthene	22.99	252	3339	0.26	ng	97
37) Benzo(a)pyrene	23.58	252	3116	0.27	ng	97
38) Dibenzo(a,h)anthracene	26.25	278	2867	0.27	ng	96
39) Benzo(g,h,i)perylene	27.00	276	11756	0.25	ng	96

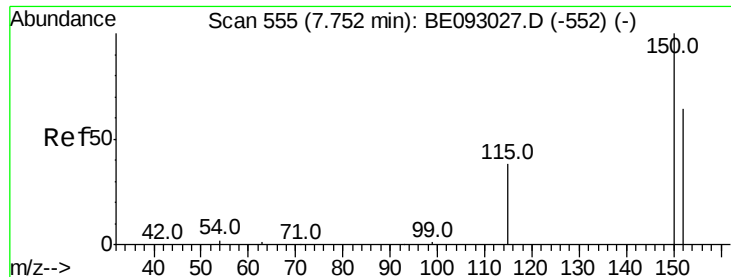
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampled :

PB99051BS

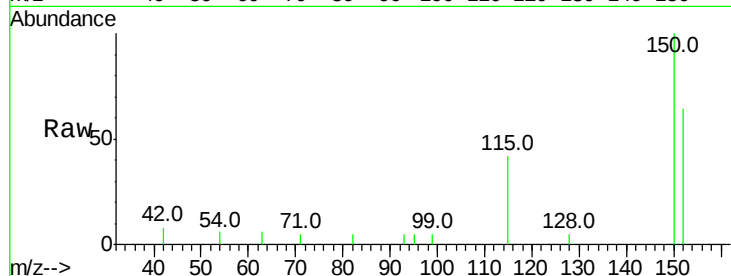
Tot Ion:152 Resp: 1021

Ion Ratio Lower Upper

152 100

150 155.5 125.1 187.7

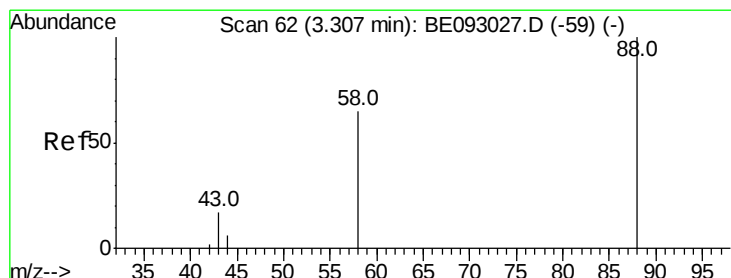
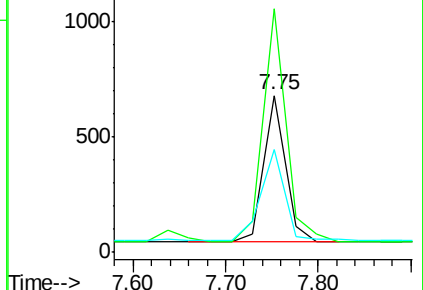
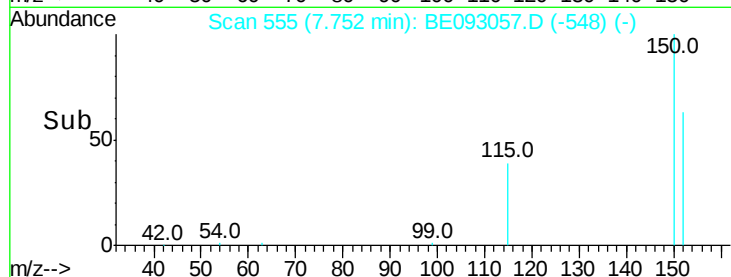
115 65.4 55.7 83.5



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: 0.17 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

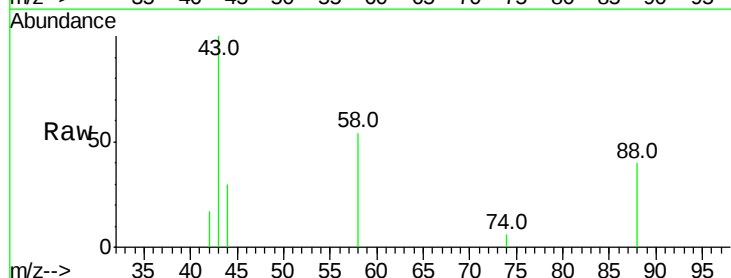
Tgt Ion: 88 Resp: 366

Ion Ratio Lower Upper

88 100

58 97.3 62.2 93.4#

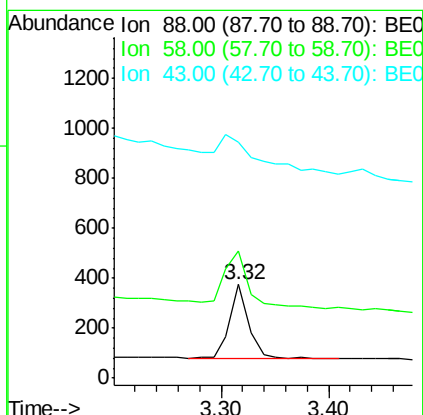
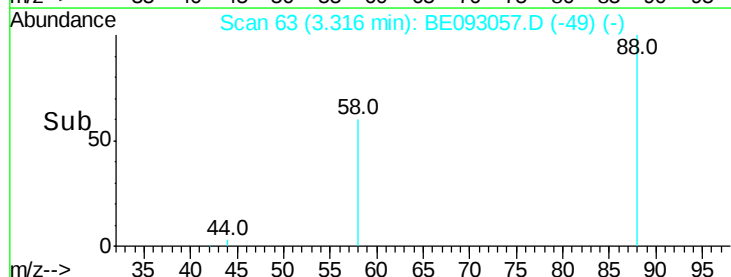
43 111.7 23.2 34.8#

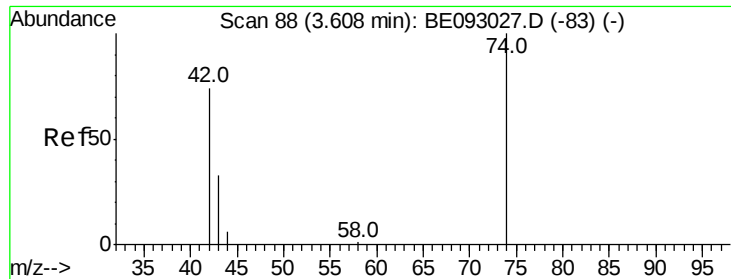


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.26 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

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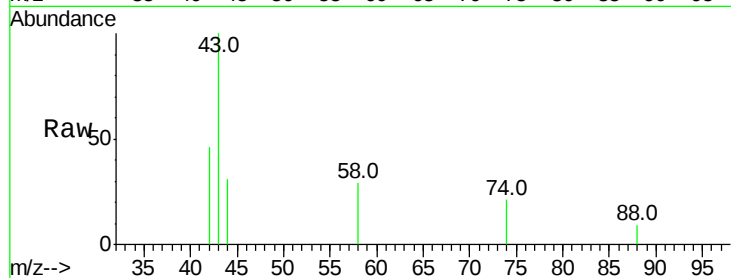
Tot Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

74 124.7 99.1 148.7

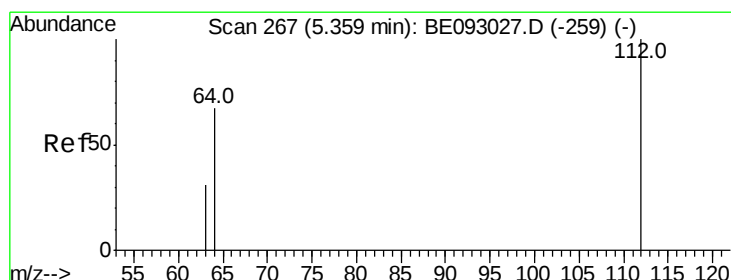
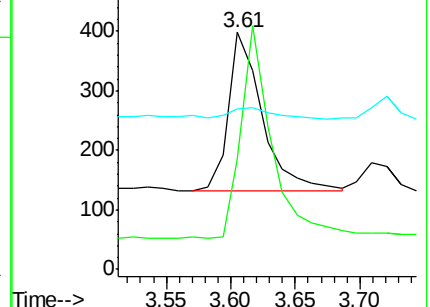
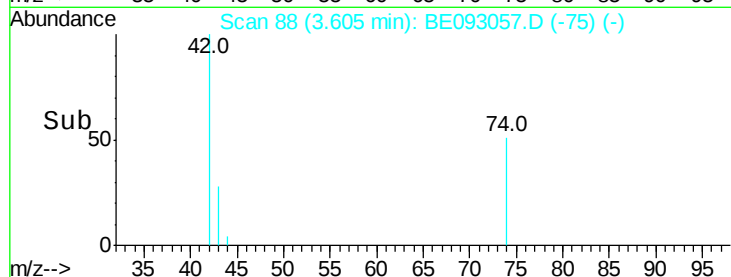
44 10.4 7.4 11.2



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: 0.27 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

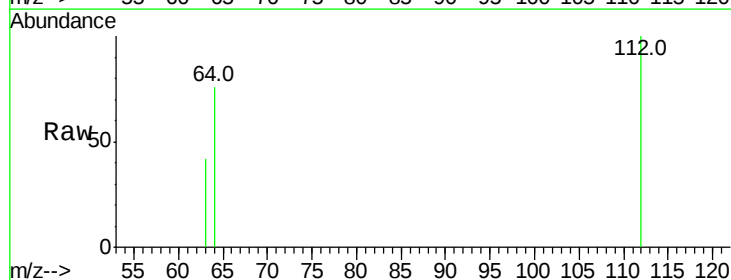
Tgt Ion: 112 Resp: 830

Ion Ratio Lower Upper

112 100

64 73.1 56.4 84.6

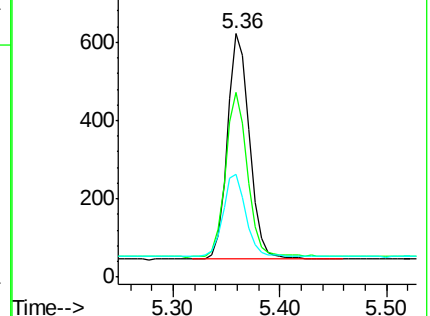
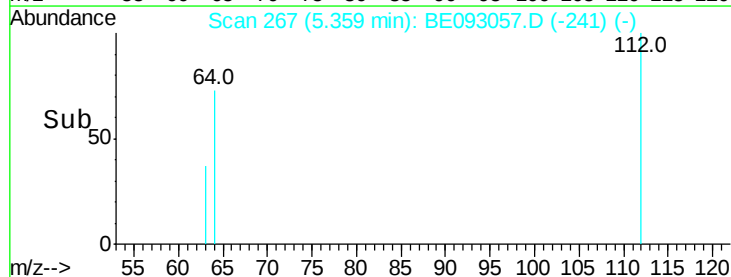
63 37.5 29.3 43.9

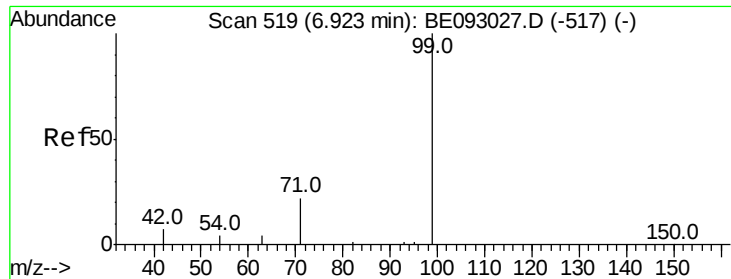


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.29 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

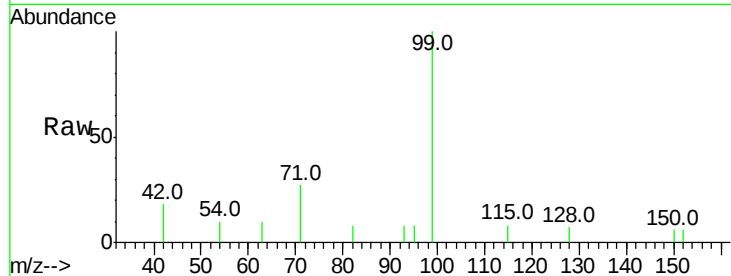
Tot Ion: 99 Resp: 1218

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

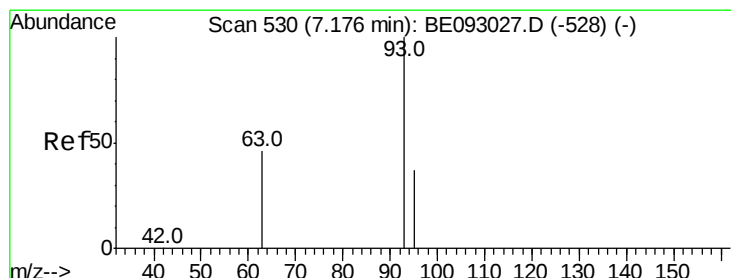
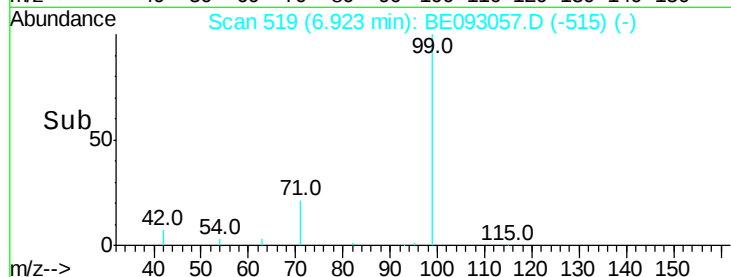
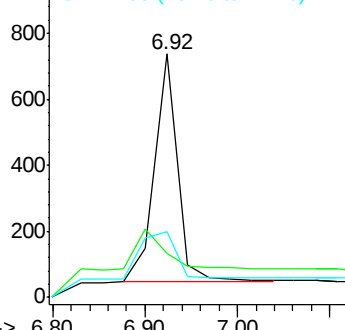
71 32.3 0.0 0.0#



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: 0.25 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

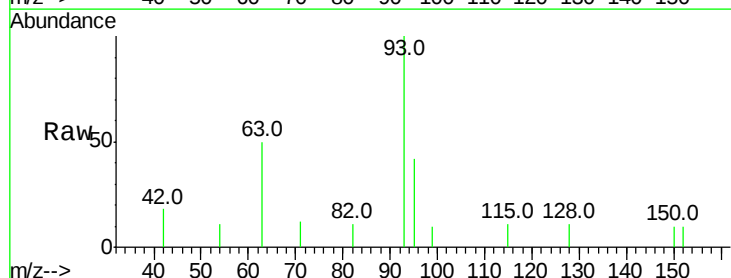
Tgt Ion: 93 Resp: 872

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

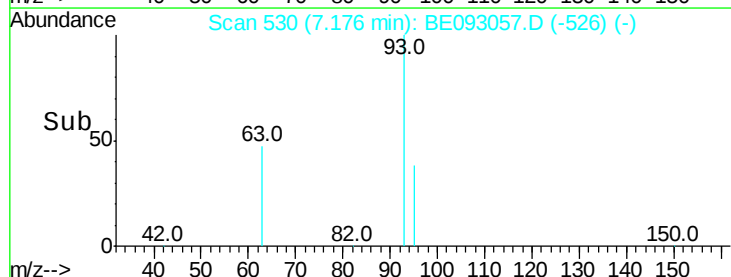
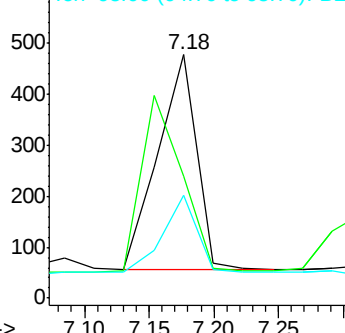
95 31.5 25.4 38.0

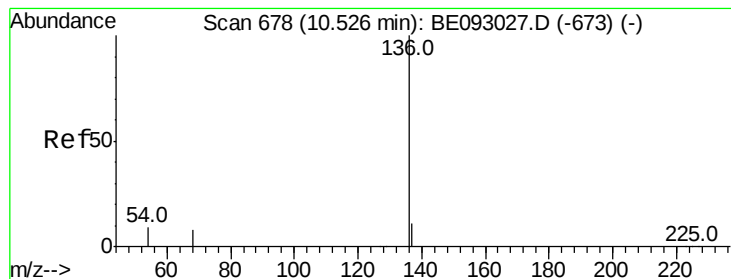


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

Tot Ion:136 Resp: 4029

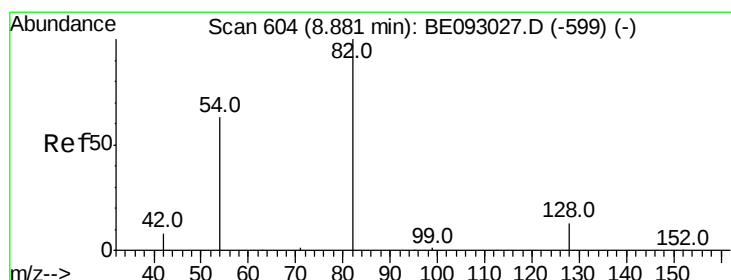
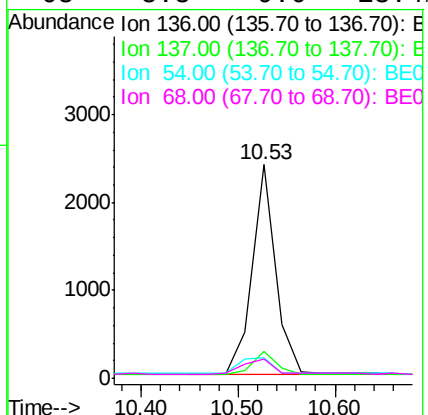
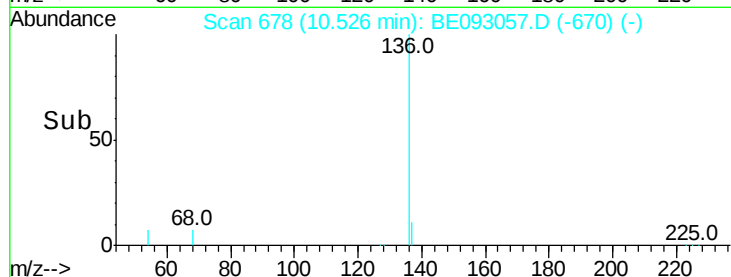
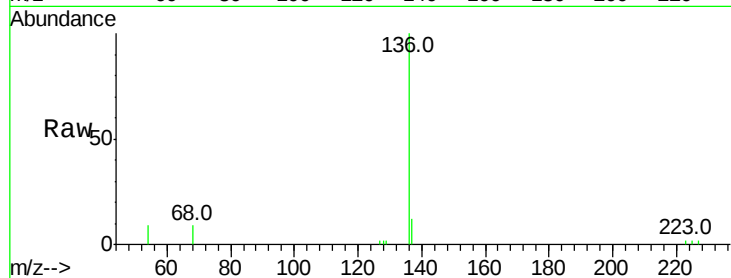
Ion Ratio Lower Upper

136 100

137 12.3 9.8 14.8

54 9.5 10.3 15.5#

68 8.8 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.30 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

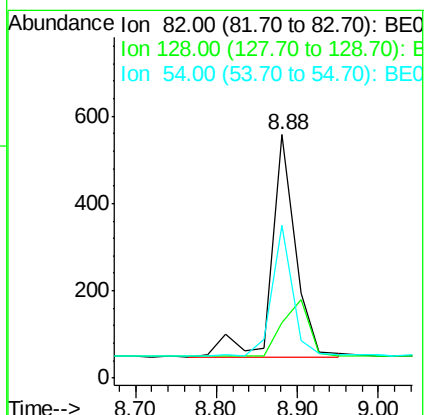
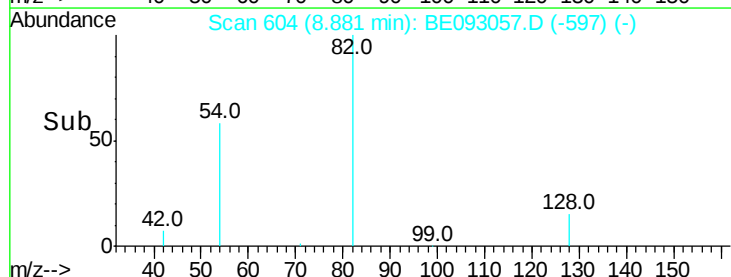
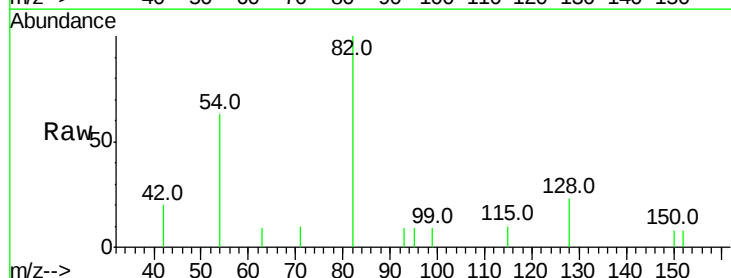
Tgt Ion: 82 Resp: 1044

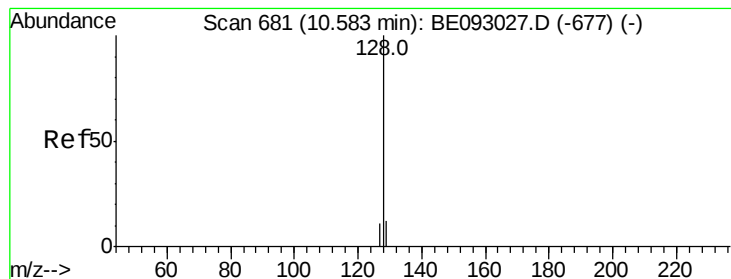
Ion Ratio Lower Upper

82 100

128 22.6 17.0 25.4

54 62.5 53.8 80.6





#9

Naphthalene

Concen: 0.26 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

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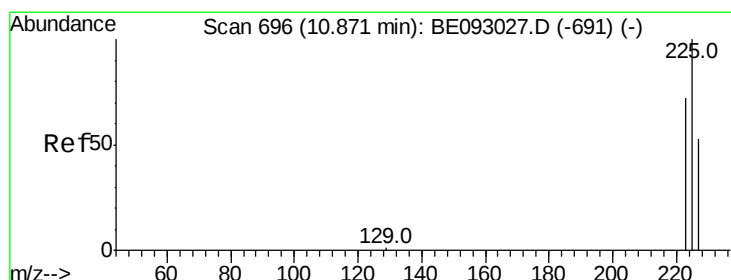
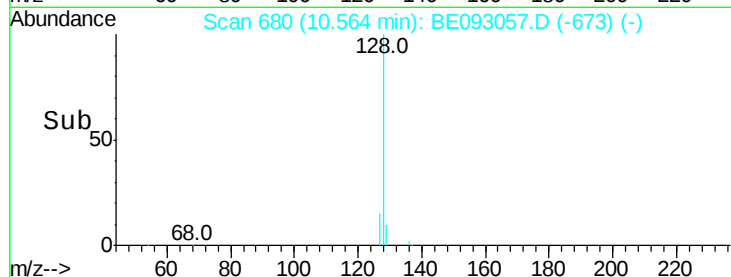
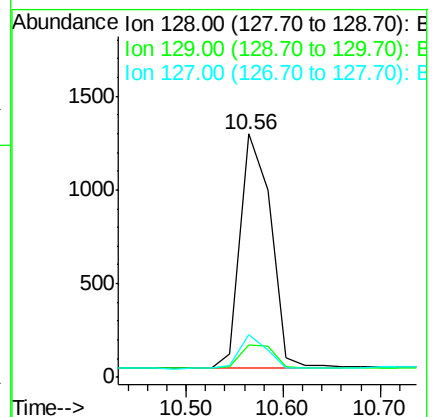
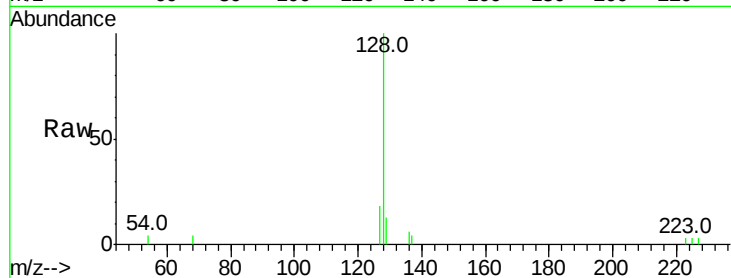
Tot Ion:128 Resp: 2707

Ion Ratio Lower Upper

128 100

129 13.2 11.4 17.0

127 17.8 11.2 16.8#



#10

Hexachlorobutadiene

Concen: 0.27 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

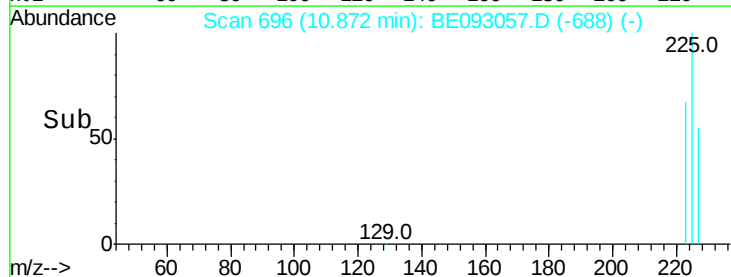
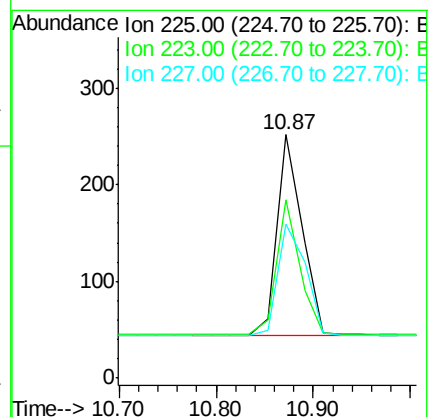
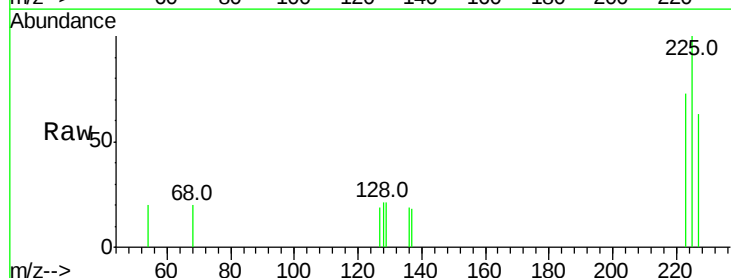
Tgt Ion:225 Resp: 375

Ion Ratio Lower Upper

225 100

223 62.1 49.7 74.5

227 60.8 50.3 75.5





#11

2-Methylnaphthalene-d10

Concen: 0.39 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

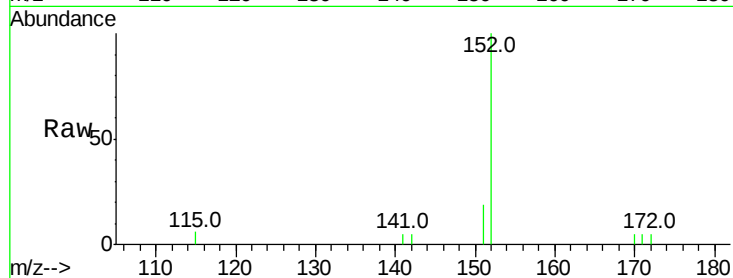
PB99051BS

Tot Ion:152 Resp: 2307

Ion Ratio Lower Upper

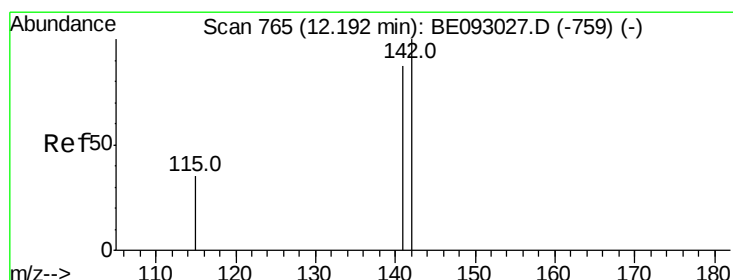
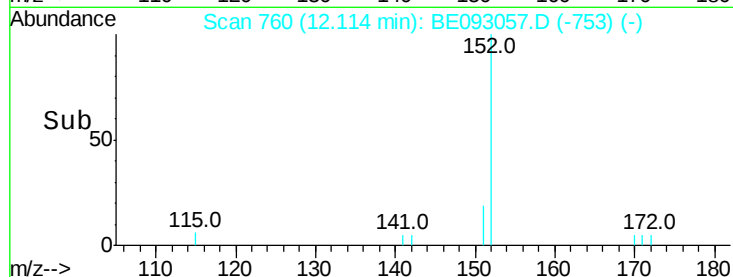
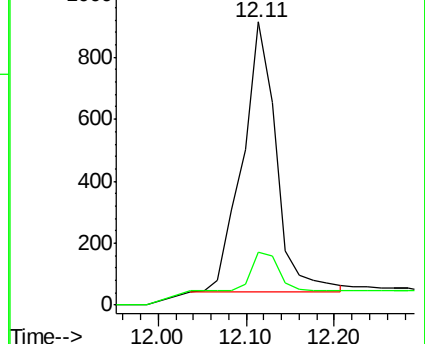
152 100

151 12.1 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.23 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

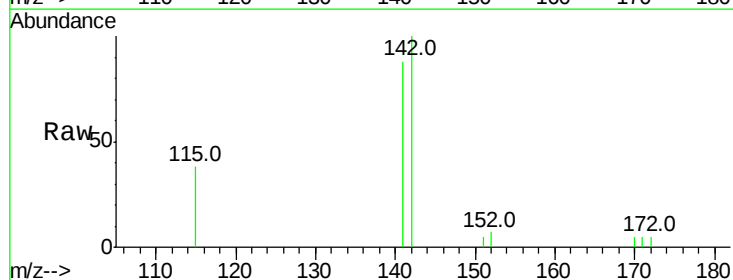
Tgt Ion:142 Resp: 1529

Ion Ratio Lower Upper

142 100

141 88.0 72.6 108.8

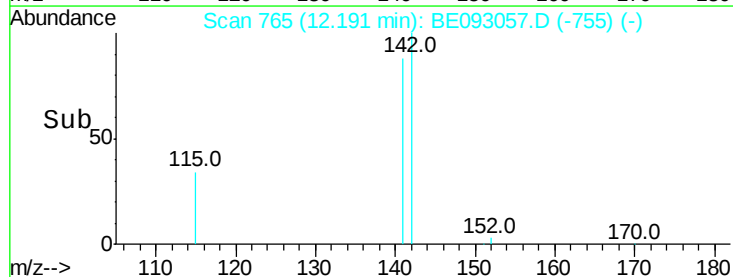
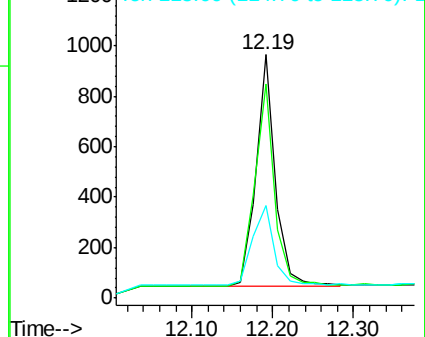
115 38.0 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

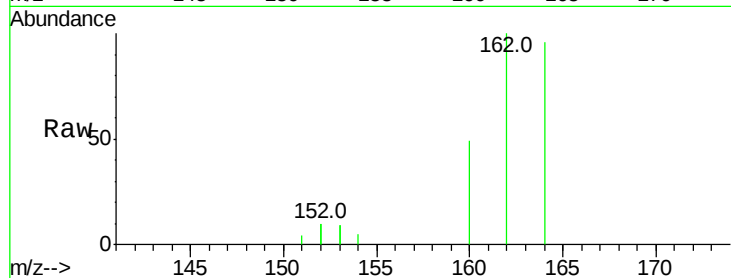
Tot Ion:164 Resp: 1674

Ion Ratio Lower Upper

164 100

162 104.5 84.6 127.0

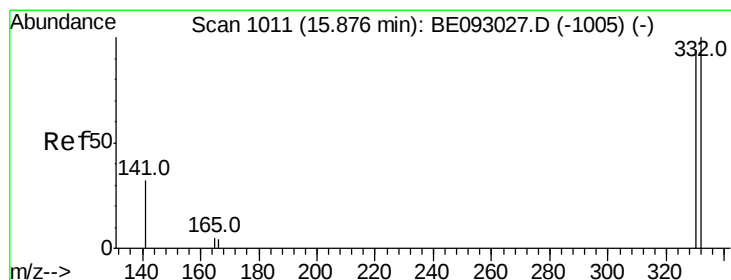
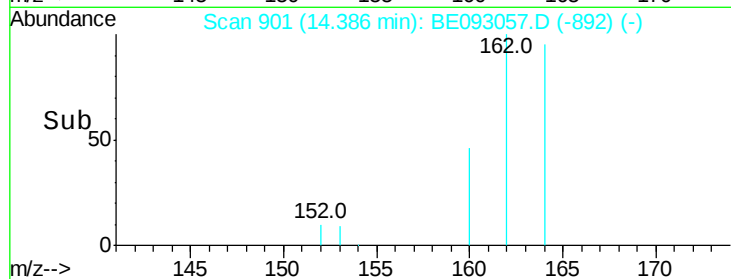
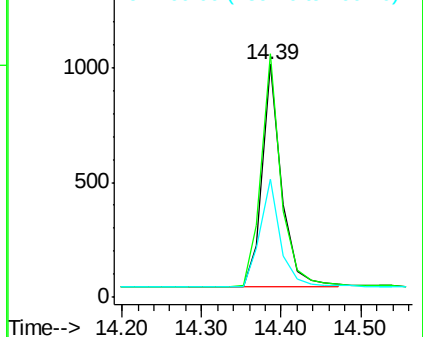
160 50.8 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.29 ng

RT: 15.88 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

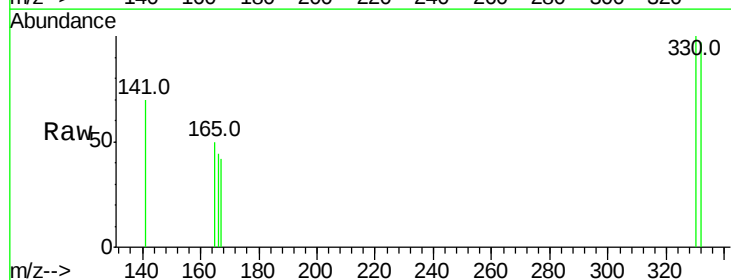
Tgt Ion:330 Resp: 144

Ion Ratio Lower Upper

330 100

332 95.8 77.7 116.5

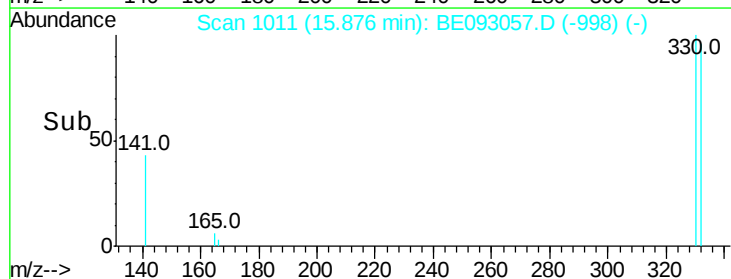
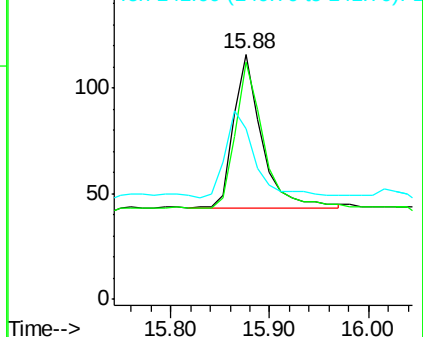
141 61.1 56.2 84.4

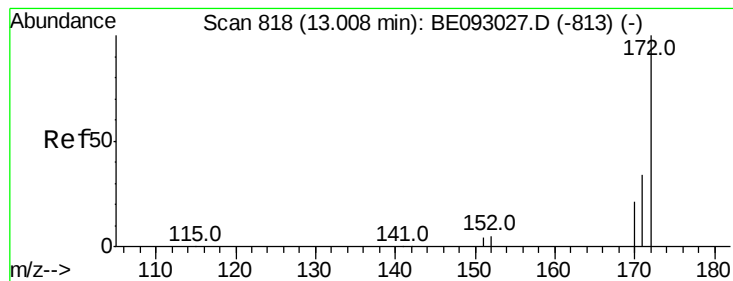


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.31 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

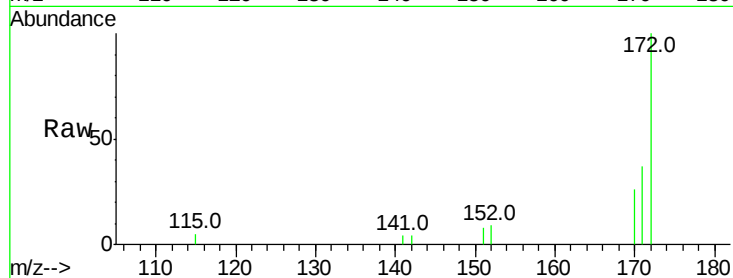
Tot Ion:172 Resp: 2129

Ion Ratio Lower Upper

172 100

171 37.3 29.8 44.6

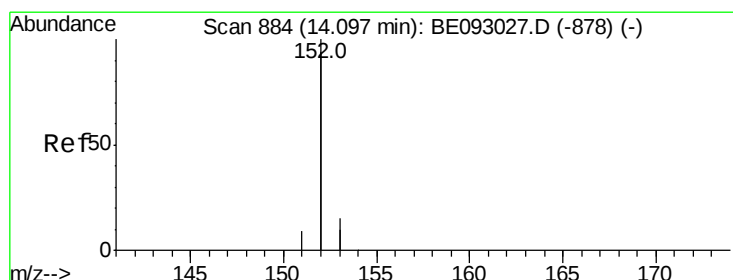
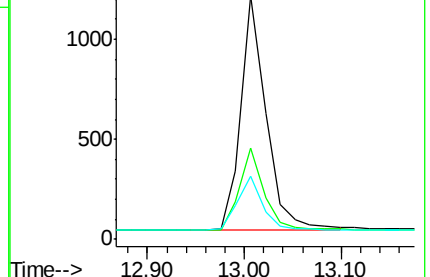
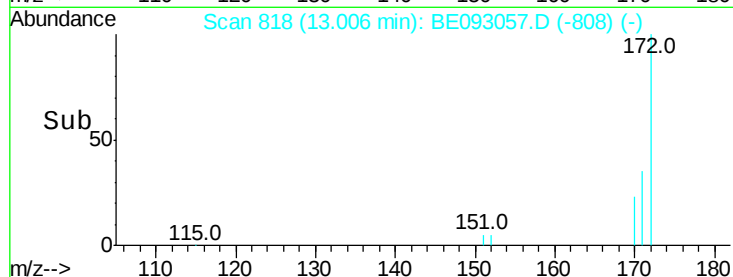
170 25.8 20.7 31.1



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: 0.27 ng

RT: 14.10 min Scan# 884

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

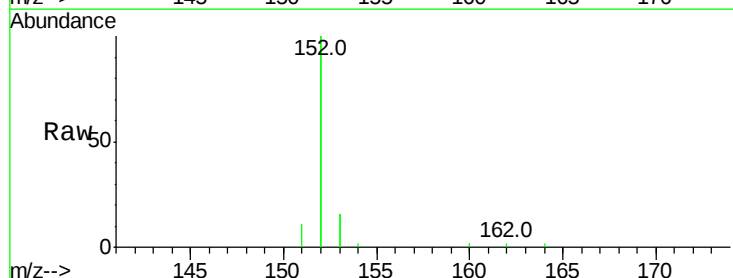
Tgt Ion:152 Resp: 7803

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

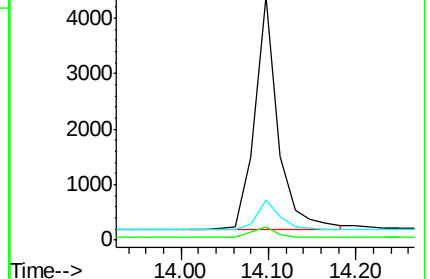
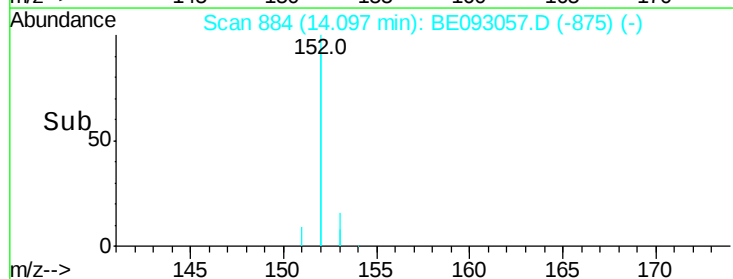
153 13.0 10.3 15.5



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

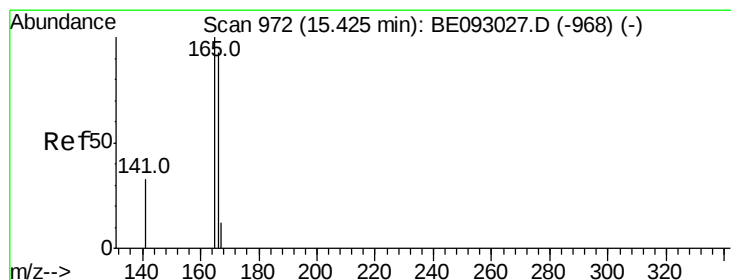
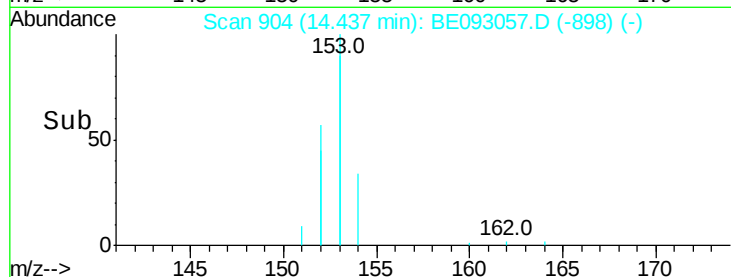
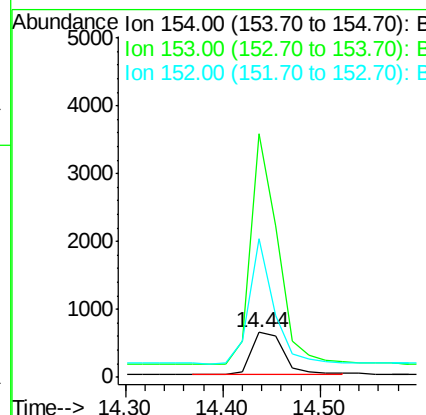
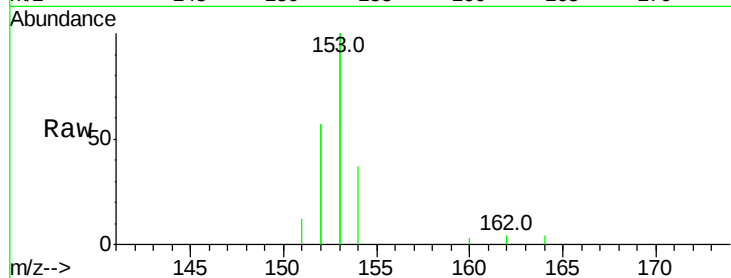




#17
Acenaphthene
Concen: 0.26 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

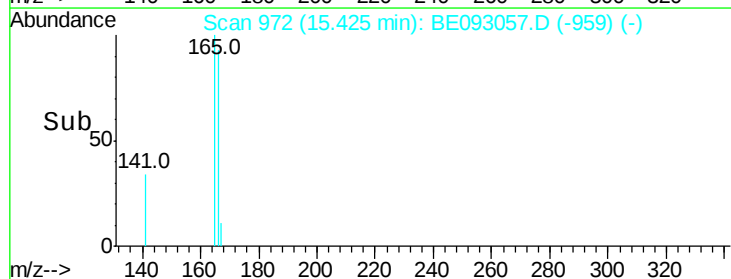
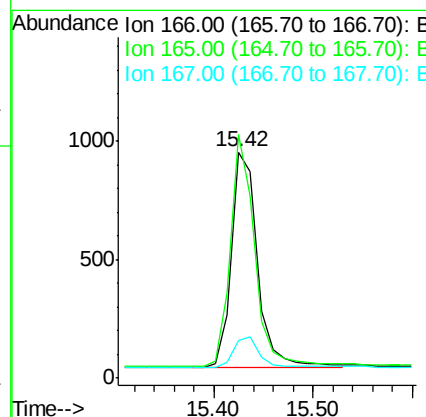
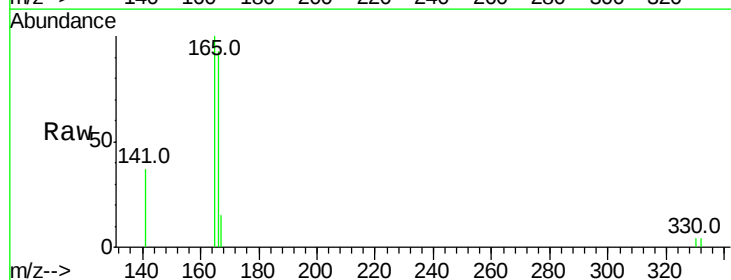
Instrument :
BNA_E
ClientSampleId :
PB99051BS

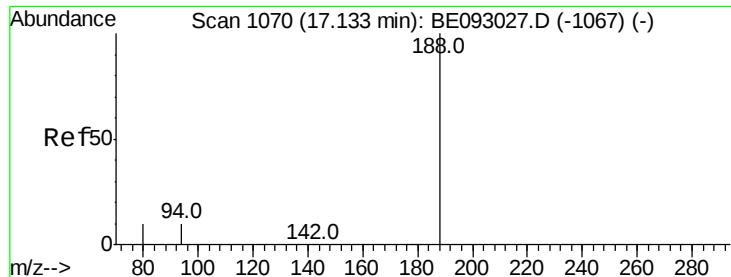
Tot Ion:154 Resp: 1396
Ion Ratio Lower Upper
154 100
153 467.3 367.8 551.6
152 230.2 188.2 282.2



#18
Fluorene
Concen: 0.26 ng
RT: 15.42 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

Tgt Ion:166 Resp: 1657
Ion Ratio Lower Upper
166 100
165 99.2 78.6 117.8
167 13.6 11.1 16.7

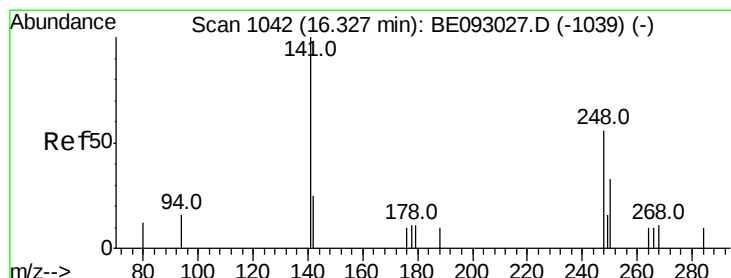
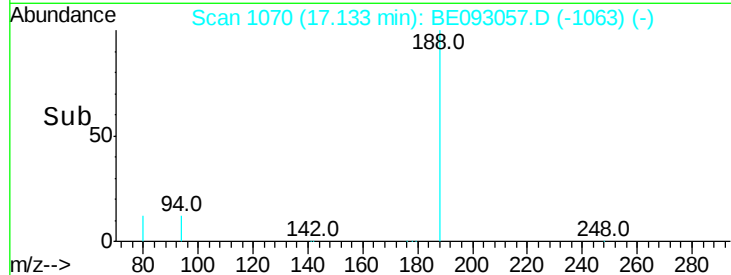
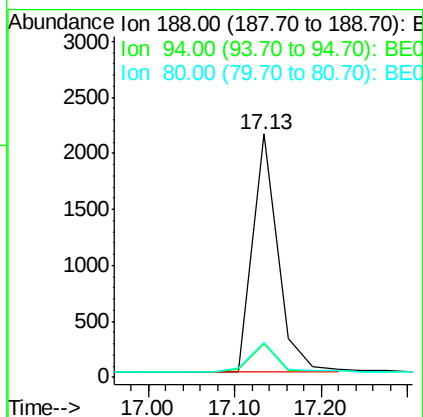
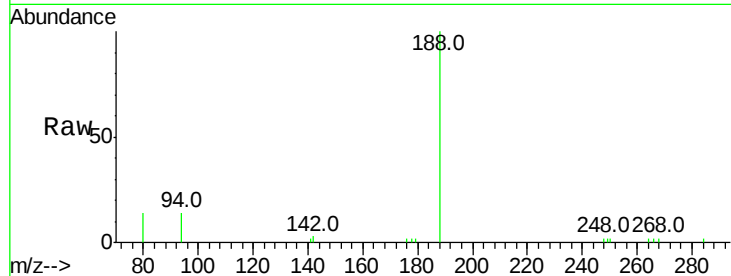




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

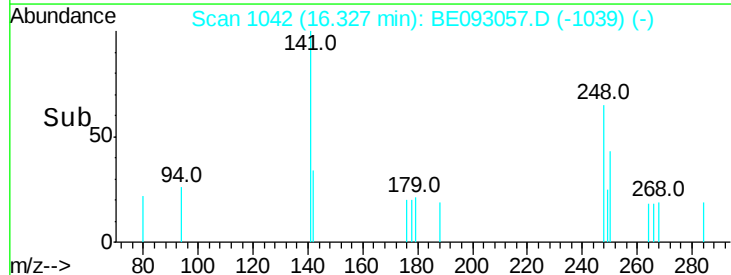
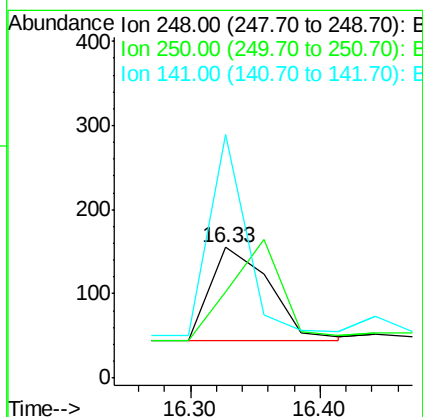
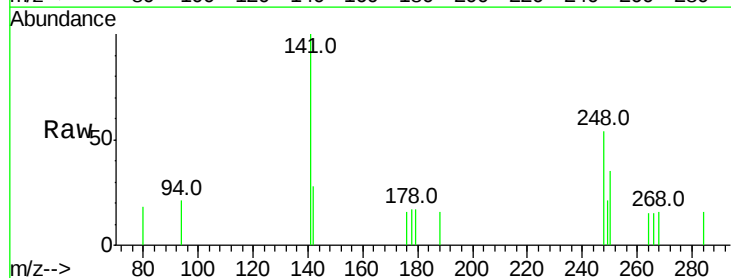
Instrument :
BNA_E
ClientSampleId :
PB99051BS

Tot Ion:188 Resp: 4343
Ion Ratio Lower Upper
188 100
94 13.8 11.3 16.9
80 14.1 11.7 17.5



#20
4-Bromophenyl-phenylether
Concen: 0.26 ng
RT: 16.33 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

Tgt Ion:248 Resp: 354
Ion Ratio Lower Upper
248 100
250 65.8 100.0 150.0#
141 186.5 40.0 60.0#





#21

Hexachlorobenzene

Concen: 0.17 ng

RT: 16.47 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

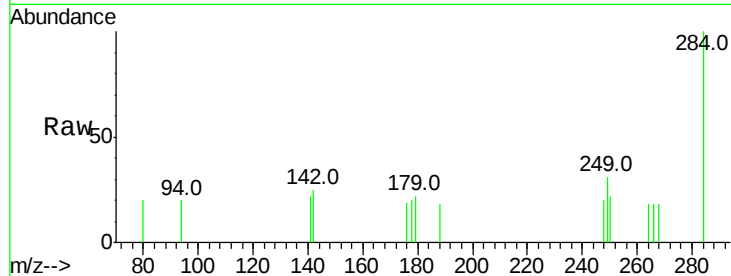
Tot Ion:284 Resp: 430

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

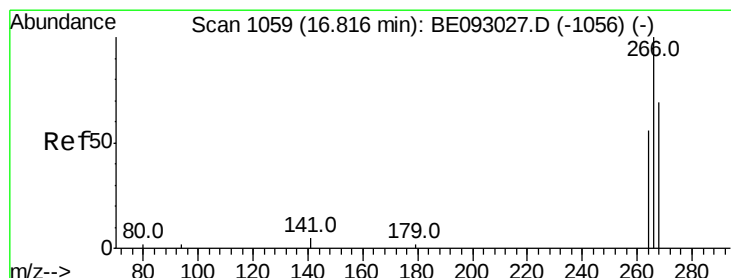
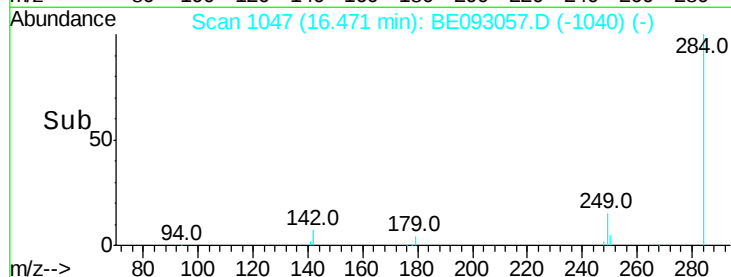
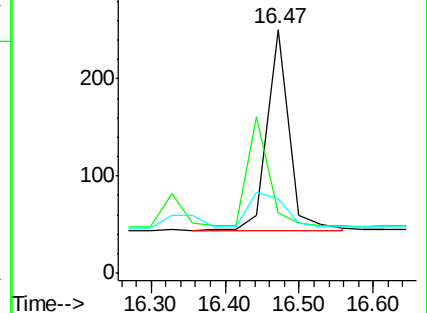
249 0.0 0.0 0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.71 ng

RT: 16.82 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

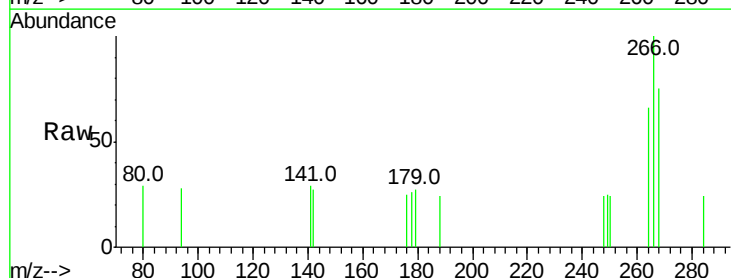
Tgt Ion:266 Resp: 357

Ion Ratio Lower Upper

266 100

264 65.8 58.2 87.2

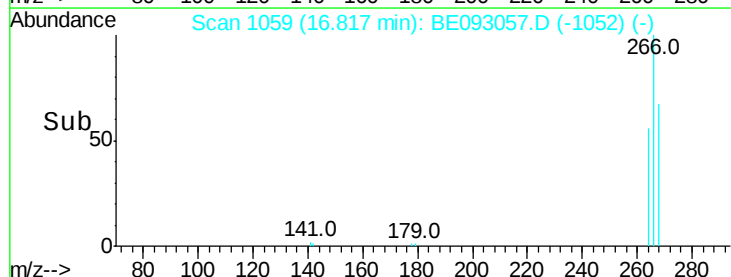
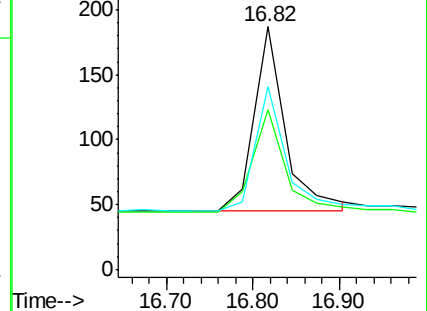
268 75.4 71.9 107.9

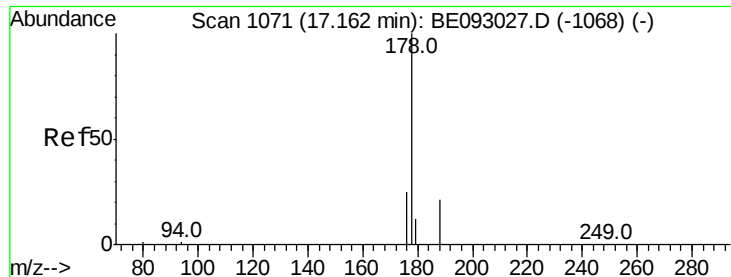


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.23 ng

RT: 17.19 min Scan# 1072

Delta R.T. 0.03 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampled :

PB99051BS

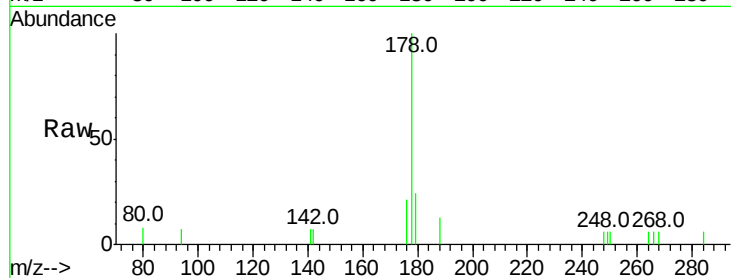
Tot Ion:178 Resp: 2353

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

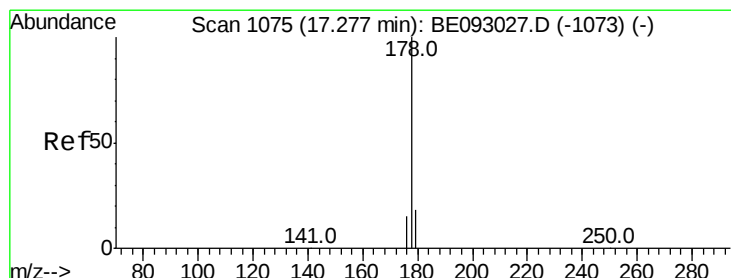
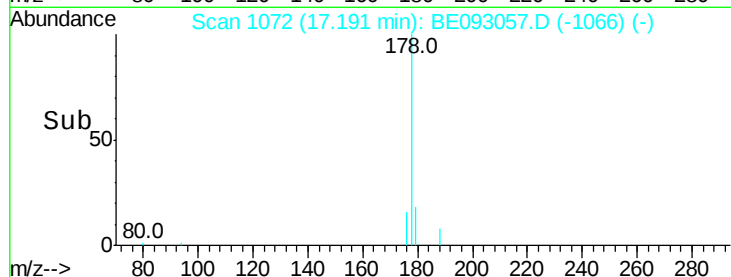
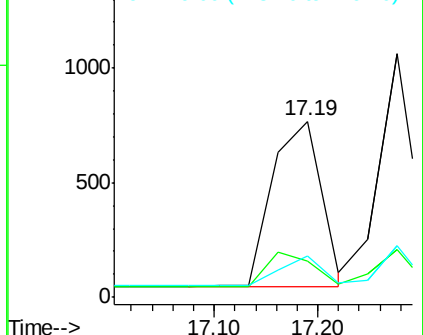
179 15.7 12.7 19.1



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: 0.21 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

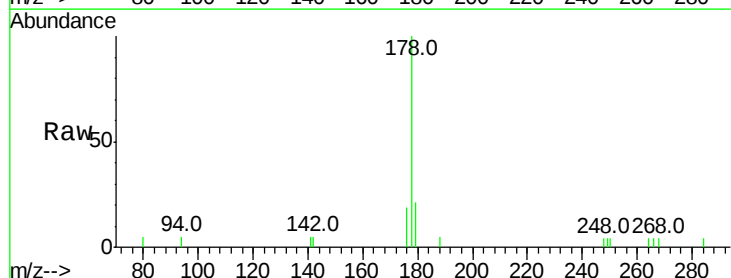
Tgt Ion:178 Resp: 2231

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

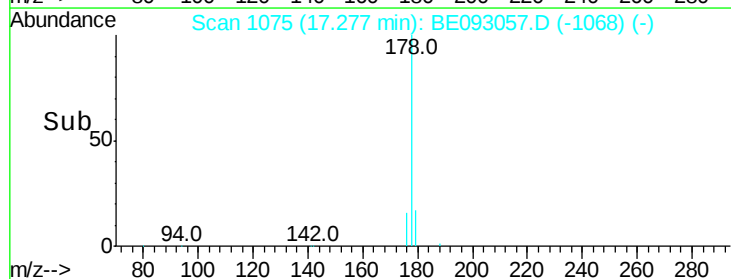
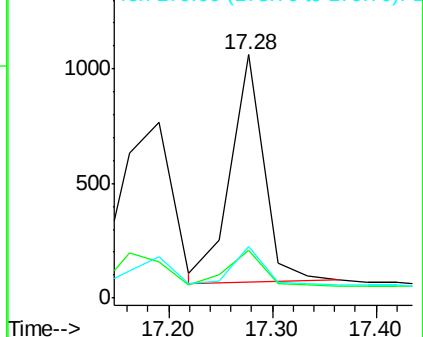
179 16.5 12.0 18.0

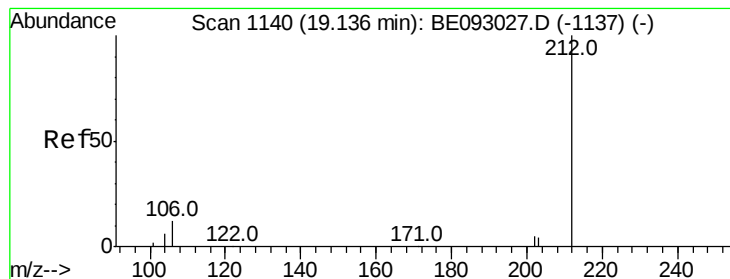


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.26 ng

RT: 19.14 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

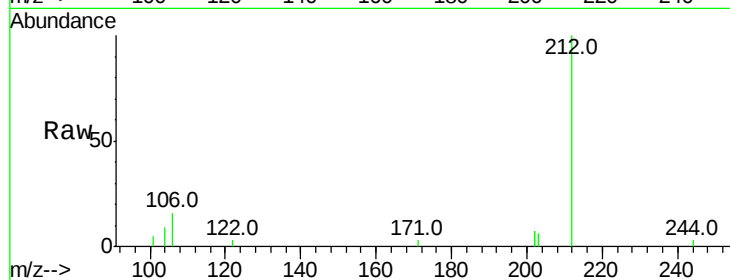
Tot Ion:212 Resp: 2926

Ion Ratio Lower Upper

212 100

106 15.5 0.0 0.0#

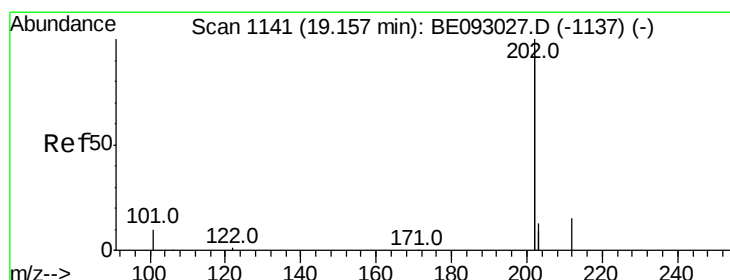
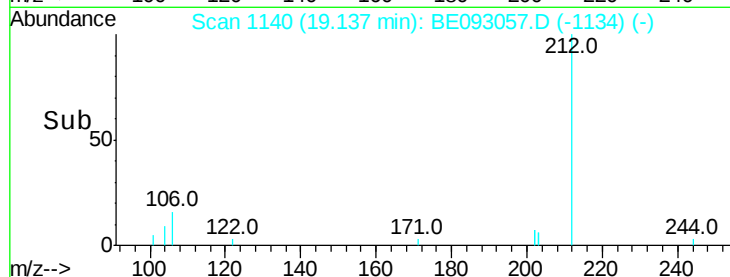
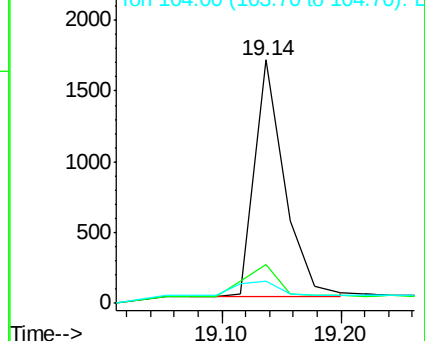
104 8.5 0.0 0.0#



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: 19.16 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

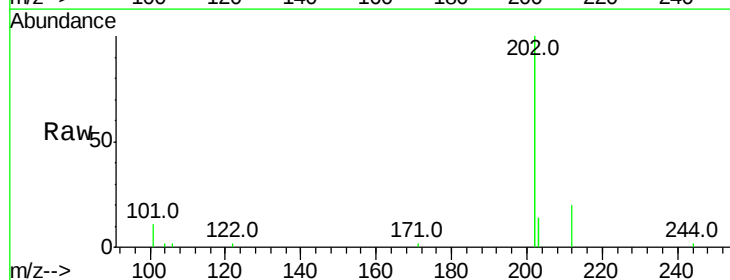
Tgt Ion:202 Resp: 12487

Ion Ratio Lower Upper

202 100

101 3.6 0.0 0.0#

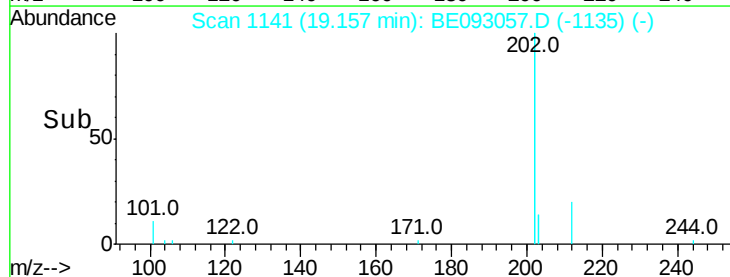
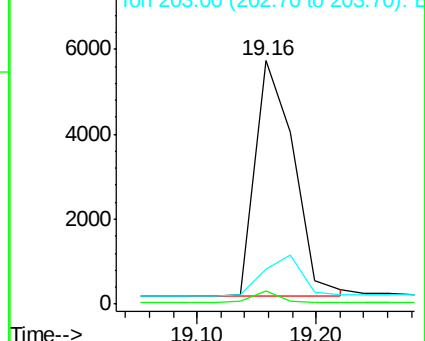
203 0.0 14.4 21.6#

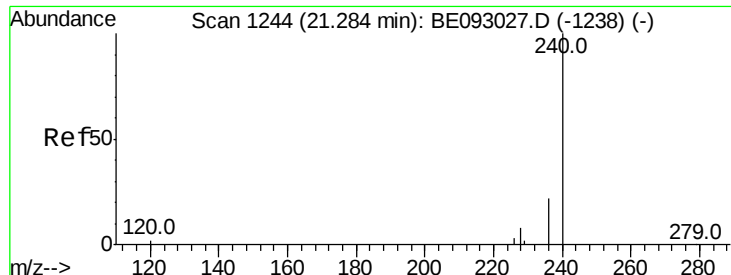


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

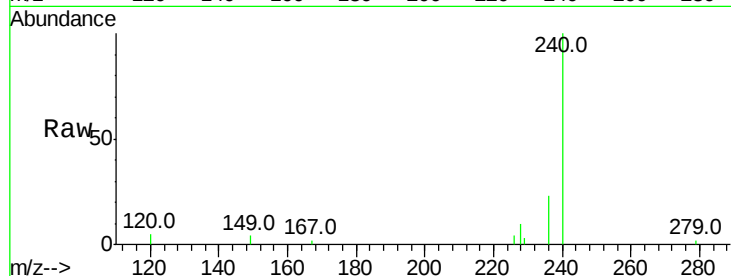




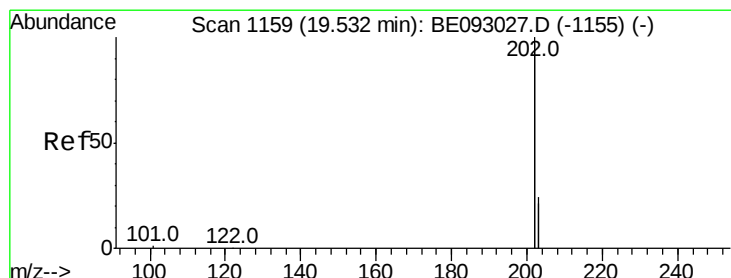
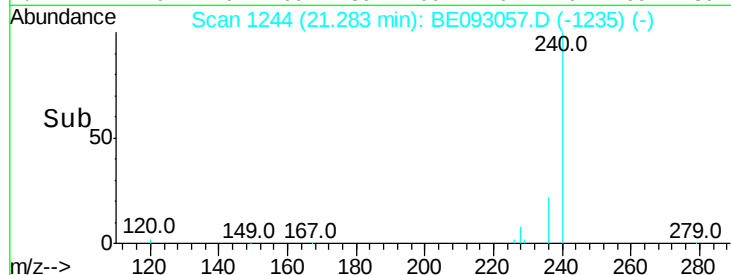
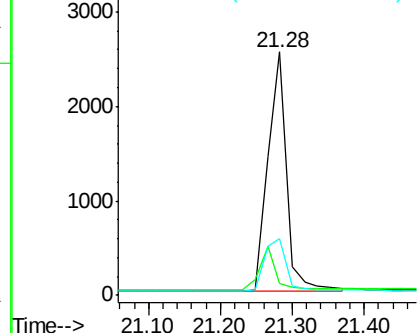
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

Instrument :
BNA_E
ClientSampleId :
PB99051BS

Tot Ion:240 Resp: 4624
Ion Ratio Lower Upper
240 100
120 4.8 4.6 7.0
236 23.4 20.8 31.2

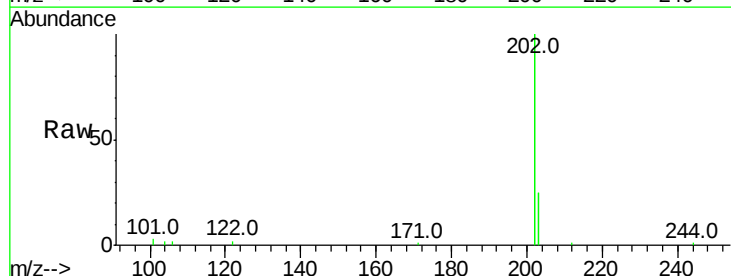


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

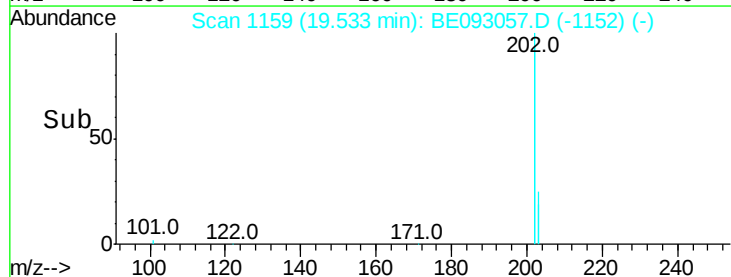
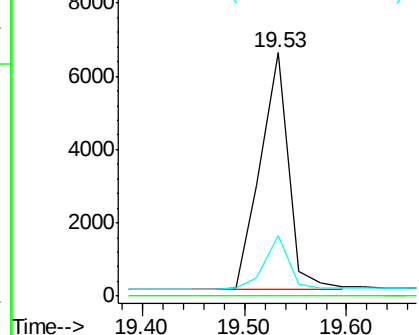


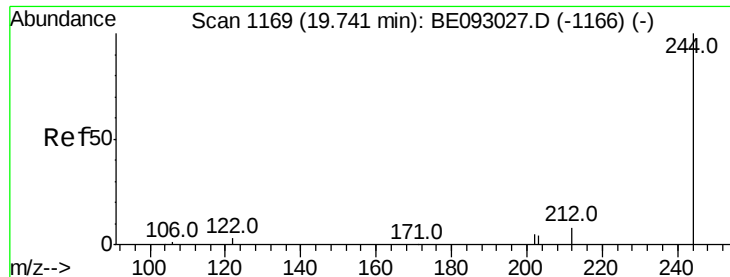
#28
Pyrene
Concen: 0.22 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

Tgt Ion:202 Resp: 12521
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 19.3 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.32 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

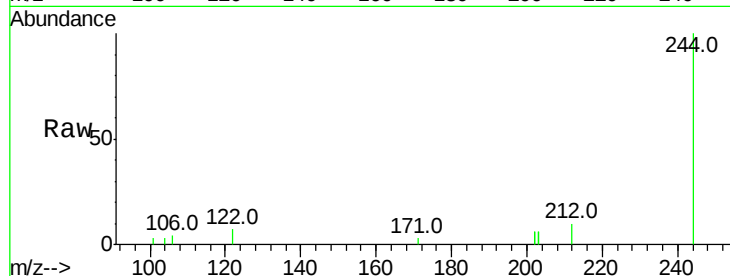
Tot Ion:244 Resp: 2750

Ion Ratio Lower Upper

244 100

212 10.2 10.6 16.0#

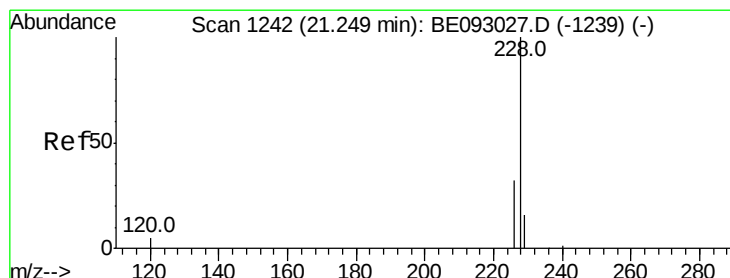
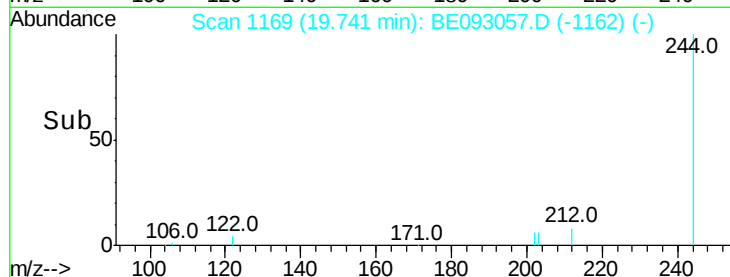
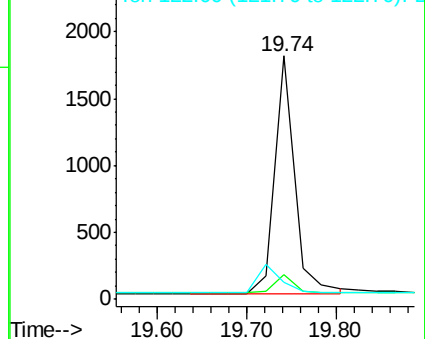
122 7.0 15.4 23.0#



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: 0.27 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

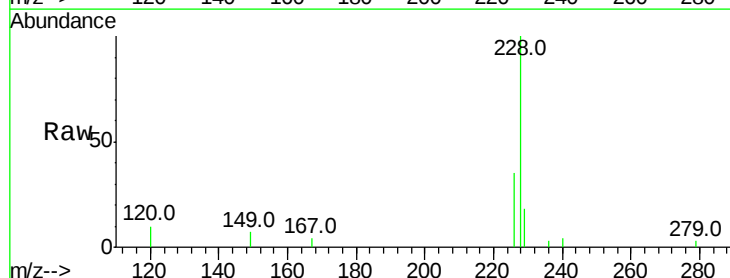
Tgt Ion:228 Resp: 3363

Ion Ratio Lower Upper

228 100

226 34.5 19.7 29.5#

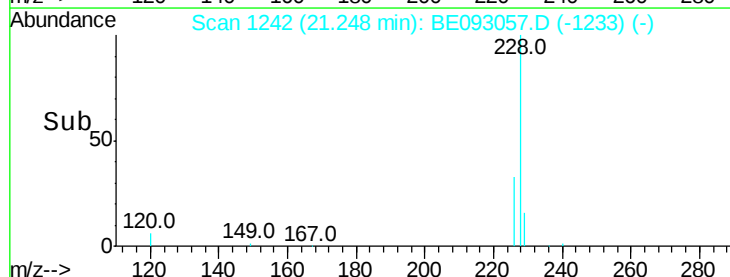
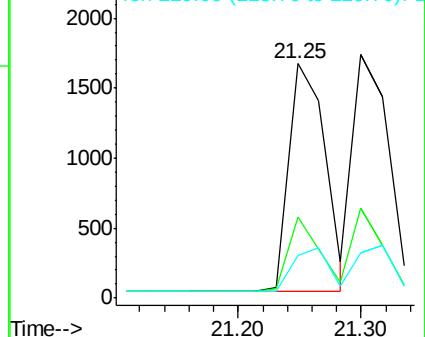
229 18.5 19.2 28.8#

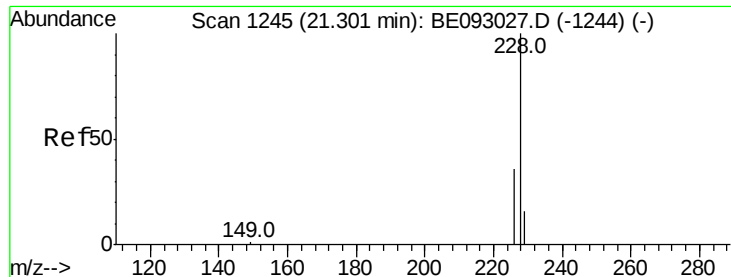


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.26 ng

RT: 21.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

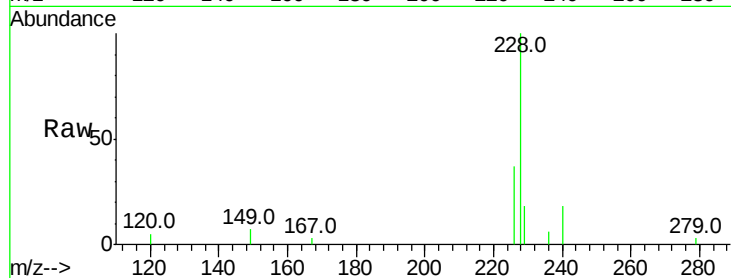
Tot Ion:228 Resp: 3525

Ion Ratio Lower Upper

228 100

226 36.9 21.5 32.3#

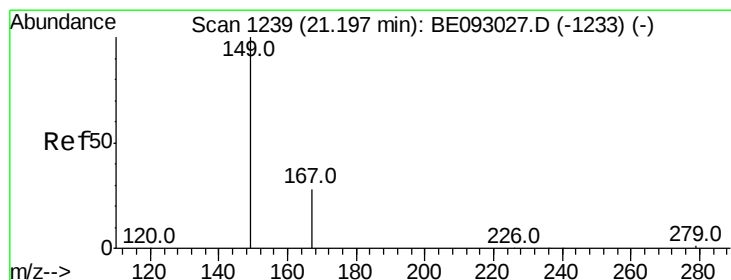
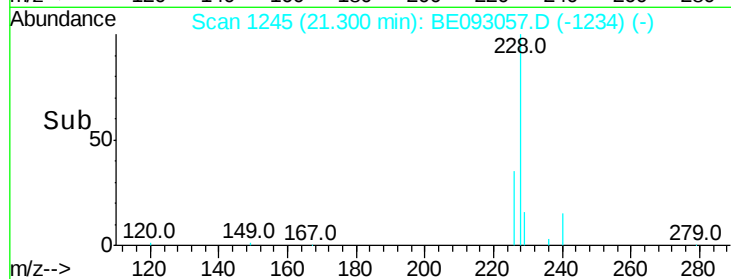
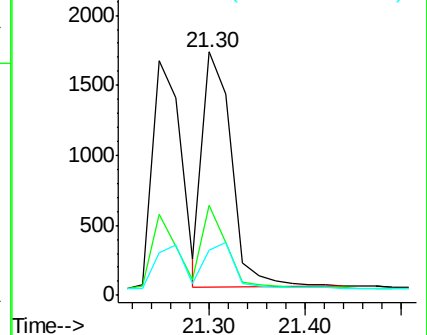
229 18.4 18.6 28.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

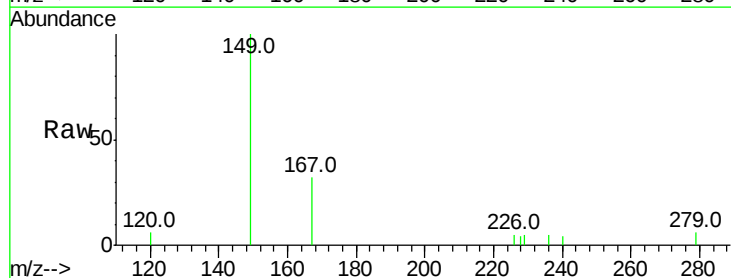
Tgt Ion:149 Resp: 1352

Ion Ratio Lower Upper

149 100

167 27.1 20.1 30.1

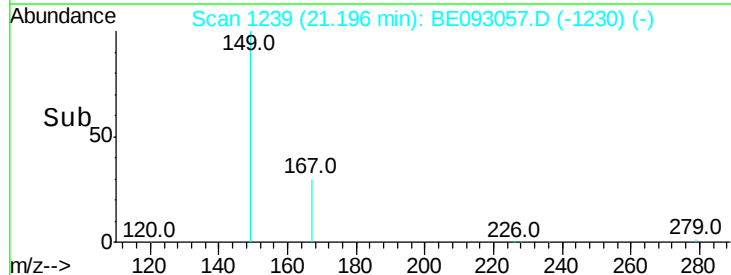
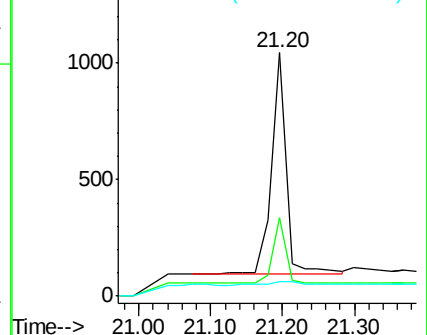
279 2.7 2.2 3.4

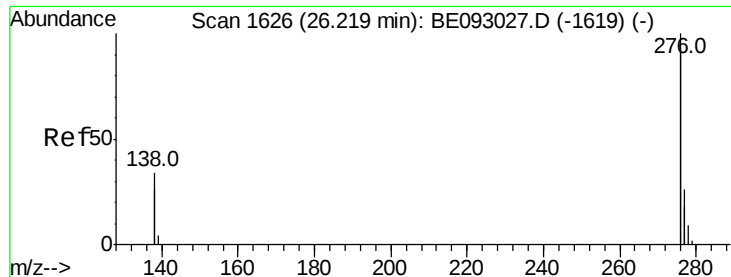


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.30 ng

RT: 26.22 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

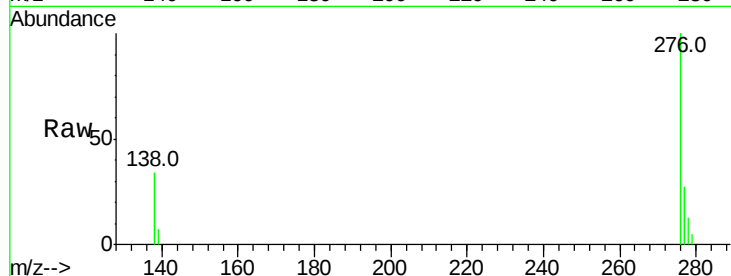
Tot Ion:276 Resp: 14604

Ion Ratio Lower Upper

276 100

138 32.6 27.4 41.2

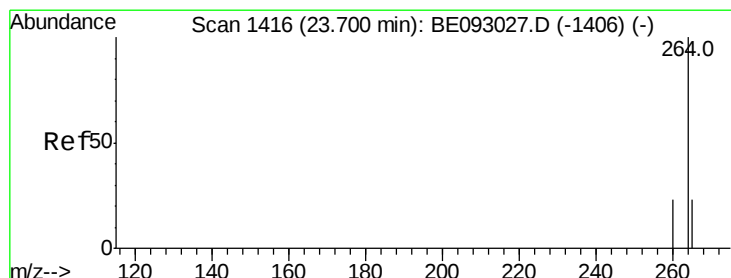
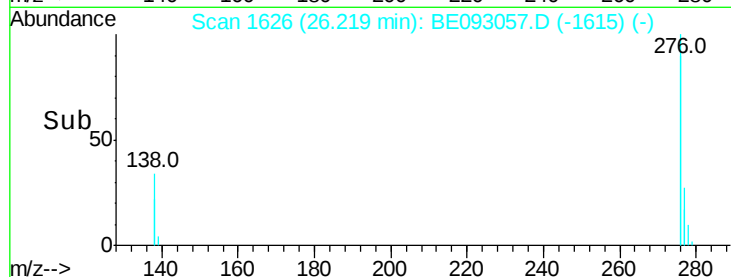
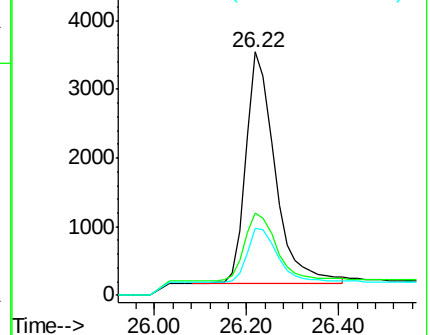
277 24.6 20.1 30.1



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



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.69 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

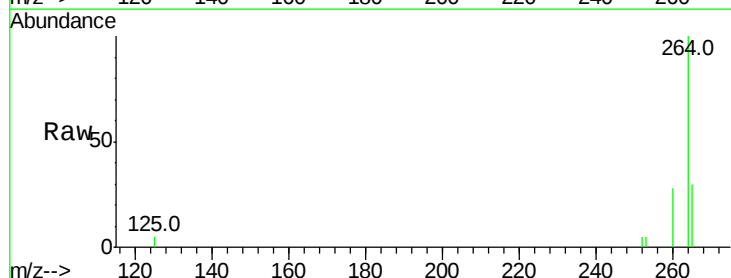
Tgt Ion:264 Resp: 3994

Ion Ratio Lower Upper

264 100

260 28.2 21.0 31.4

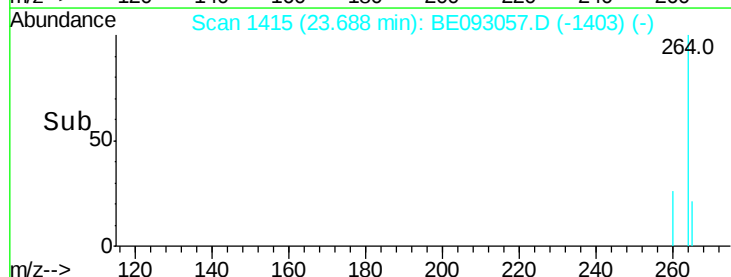
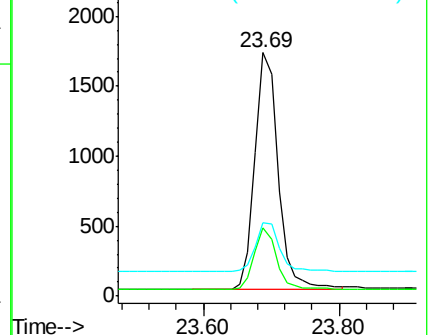
265 29.9 24.6 36.8

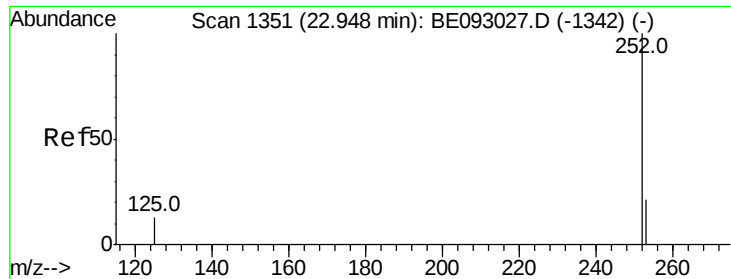


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

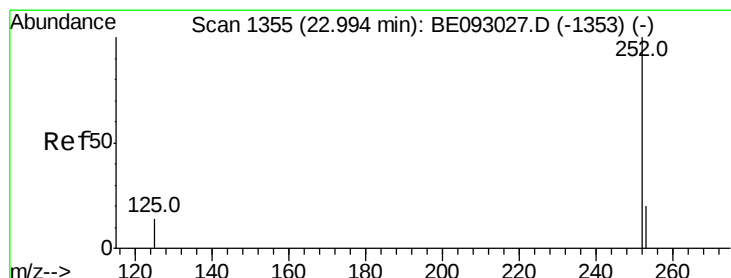
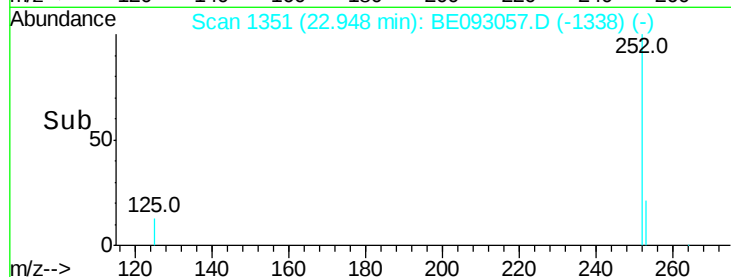
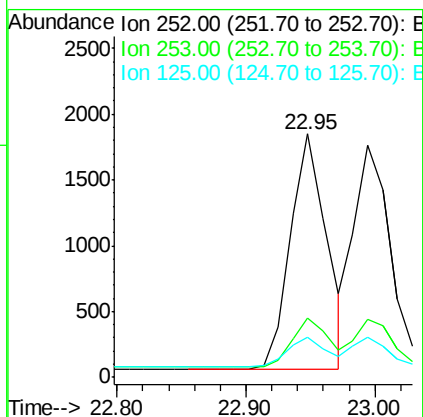
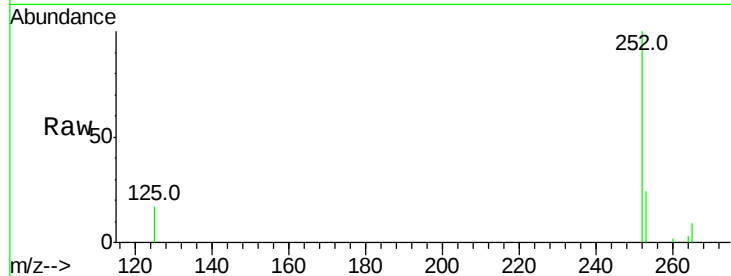




#35
Benzo(b)fluoranthene
Concen: 0.28 ng
RT: 22.95 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

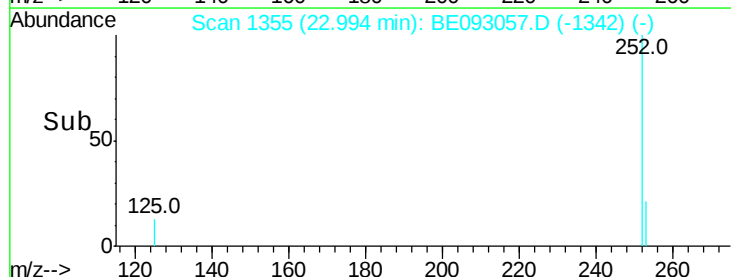
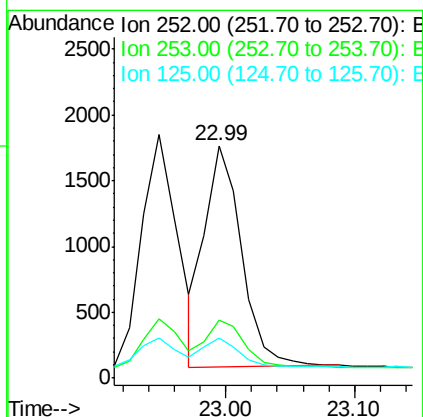
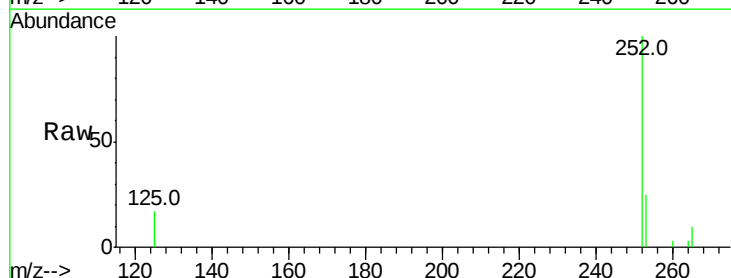
Instrument :
BNA_E
ClientSampleId :
PB99051BS

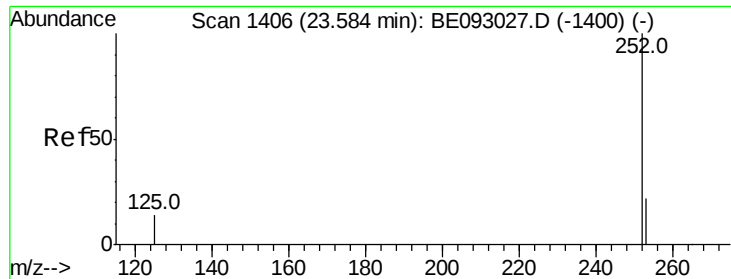
Tot Ion:252 Resp: 3501
Ion Ratio Lower Upper
252 100
253 24.5 18.5 27.7
125 16.6 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.26 ng
RT: 22.99 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BE093057.D
Acq: 19 May 2017 12:48

Tgt Ion:252 Resp: 3339
Ion Ratio Lower Upper
252 100
253 24.8 20.3 30.5
125 17.2 12.2 18.4





#37

Benzo(a)pyrene

Concen: 0.27 ng

RT: 23.58 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

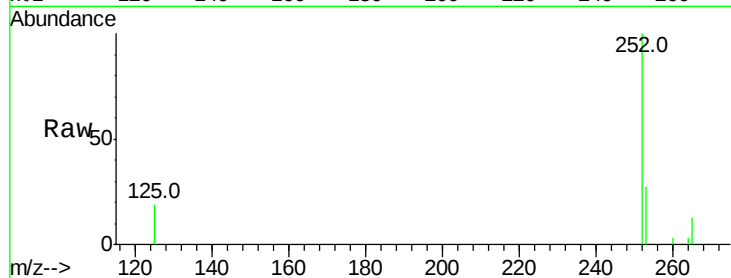
Tot Ion:252 Resp: 3116

Ion Ratio Lower Upper

252 100

253 27.2 19.9 29.9

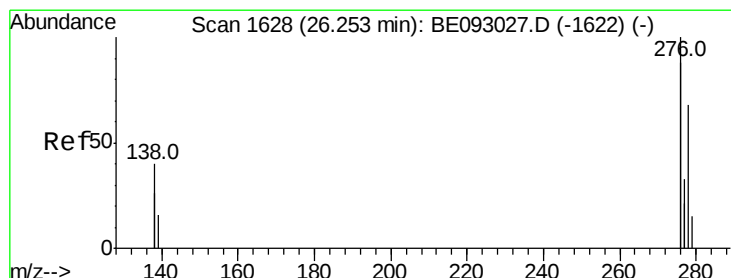
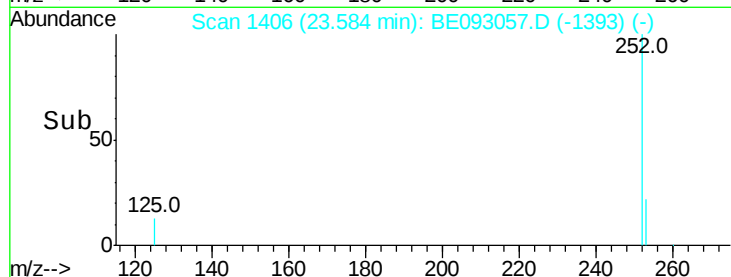
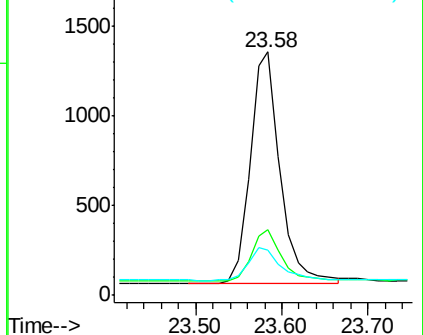
125 18.7 14.6 21.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.27 ng

RT: 26.25 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

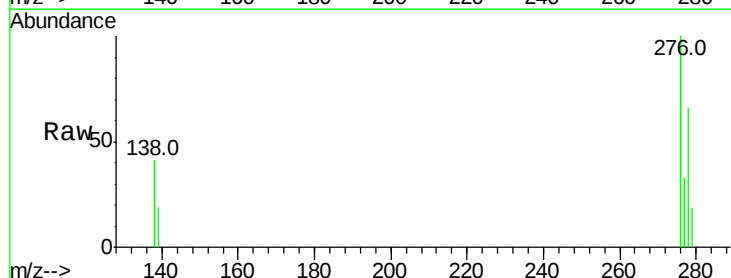
Tgt Ion:278 Resp: 2867

Ion Ratio Lower Upper

278 100

139 28.9 21.4 32.0

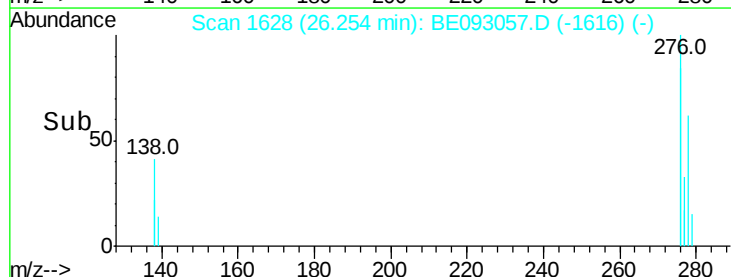
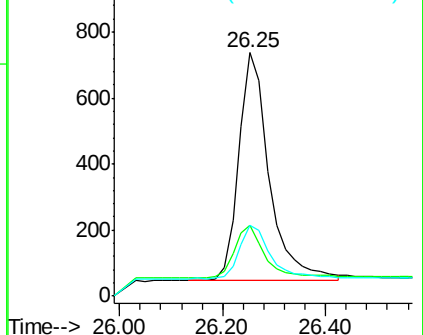
279 29.3 22.2 33.2

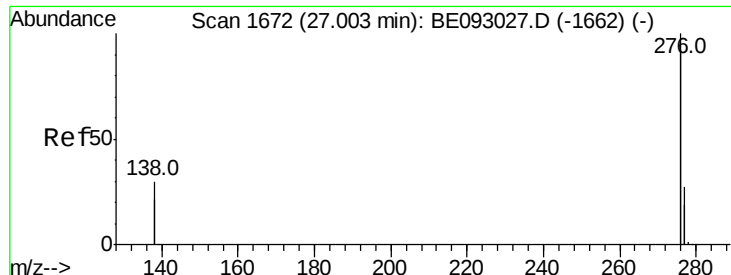


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.25 ng

RT: 27.00 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE093057.D

Acq: 19 May 2017 12:48

Instrument :

BNA_E

ClientSampleId :

PB99051BS

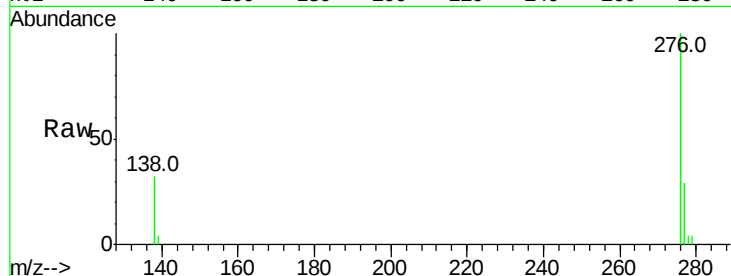
Tot Ion:276 Resp: 11756

Ion Ratio Lower Upper

276 100

277 29.5 21.2 31.8

138 32.1 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

