

Data Path : U:\HPCHEM1\BNA E\DATA\BE082217\
 Data File : BE093872.D
 Acq On : 22 Aug 2017 12:54
 Operator : SJ/JU
 Sample : PB101705BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB101705BS

Quant Time: Aug 23 00:59:54 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 14:30:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1695	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	7457	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3883	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	8716	0.40	ng	0.00
27) Chrysene-d12	21.42	240	12886	0.40	ng	0.01
34) Perylene-d12	23.93	264	11050	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1877	0.34	ng	0.00
5) Phenol-d6	7.10	99	2441	0.29	ng	0.01
8) Nitrobenzene-d5	9.06	82	2209	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	4289	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	377	0.35	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	5091	0.33	ng	0.02
25) Fluoranthene-d10	19.28	212	45122	0.45	ng	0.00
29) Terphenyl-d14	19.87	244	9888	0.43	ng	0.00

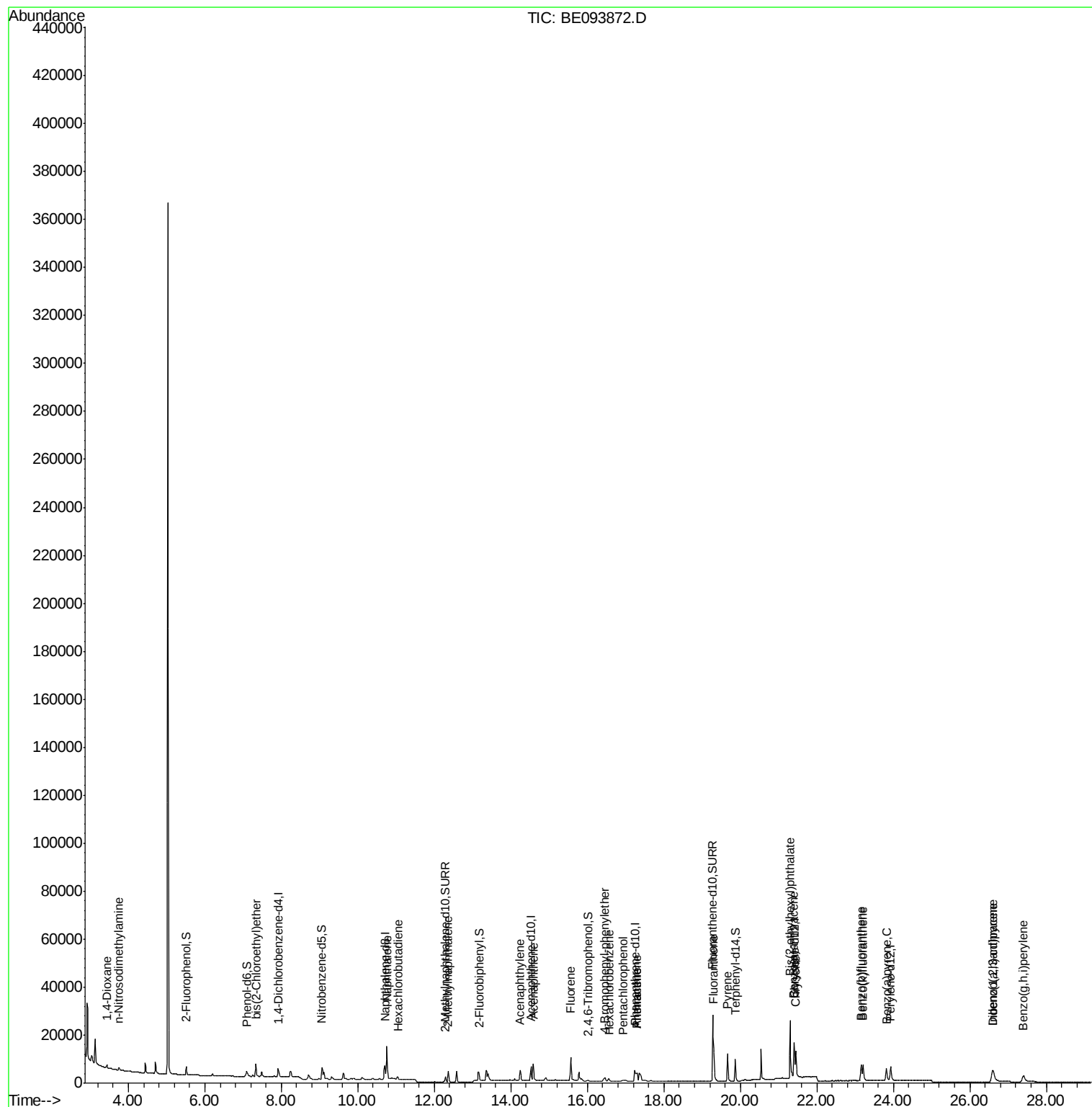
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	776	0.304	ng	# 31
3) n-Nitrosodimethylamine	3.75	42	870	0.328	ng	93
6) bis(2-Chloroethyl)ether	7.34	93	1882	0.290	ng	# 96
9) Naphthalene	10.76	128	25211	0.295	ng	99
10) Hexachlorobutadiene	11.04	225	953	0.300	ng	97
12) 2-Methylnaphthalene	12.36	142	4246	0.294	ng	96
16) Acenaphthylene	14.24	152	5883	0.301	ng	# 88
17) Acenaphthene	14.58	154	3908	0.297	ng	99
18) Fluorene	15.56	166	5322	0.313	ng	# 87
20) 4-Bromophenyl-phenylether	16.45	248	1248	0.506	ng	# 74
21) Hexachlorobenzene	16.58	284	1027	0.390	ng	# 100
22) Pentachlorophenol	16.94	266	818	0.444	ng	92
23) Phenanthrene	17.30	178	7315	0.394	ng	99
24) Anthracene	17.30	178	7278	0.258	ng	98
26) Fluoranthene	19.31	202	11900	0.391	ng	98
28) Pyrene	19.67	202	12303	0.291	ng	# 97
30) Benzo(a)anthracene	21.40	228	11874	0.290	ng	96
31) Chrysene	21.45	228	12688	0.304	ng	92
32) Bis(2-ethylhexyl)phthalate	21.30	149	29064	0.332	ng	98
33) Indeno(1,2,3-cd)pyrene	26.59	276	10296	0.256	ng	93
35) Benzo(b)fluoranthene	23.16	252	10392	0.271	ng	96
36) Benzo(k)fluoranthene	23.21	252	11885	0.310	ng	98
37) Benzo(a)pyrene	23.82	252	10942	0.303	ng	96
38) Dibenzo(a,h)anthracene	26.61	278	8491	0.251	ng	95
39) Benzo(g,h,i)perylene	27.40	276	9081	0.267	ng	96

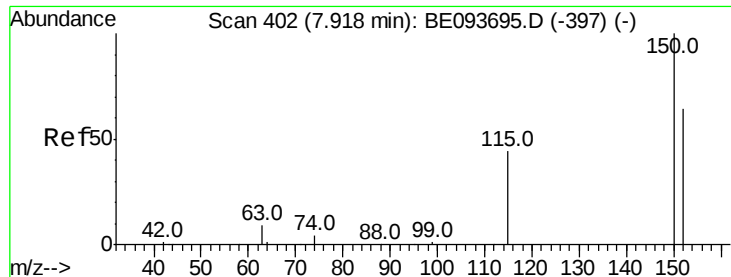
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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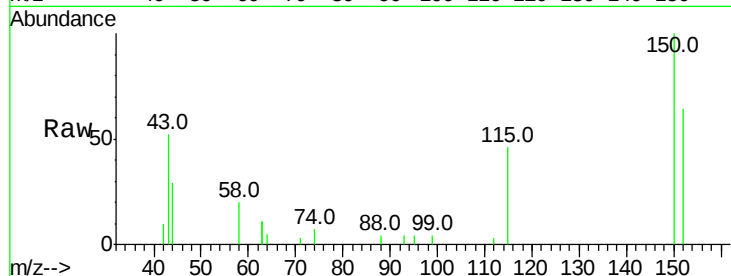


#1

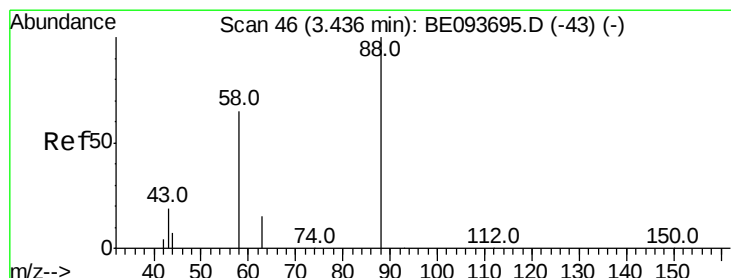
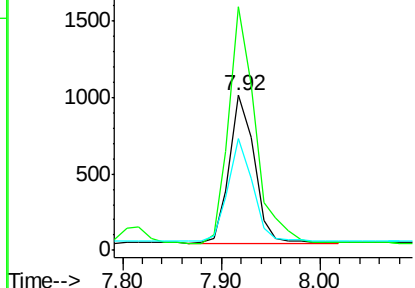
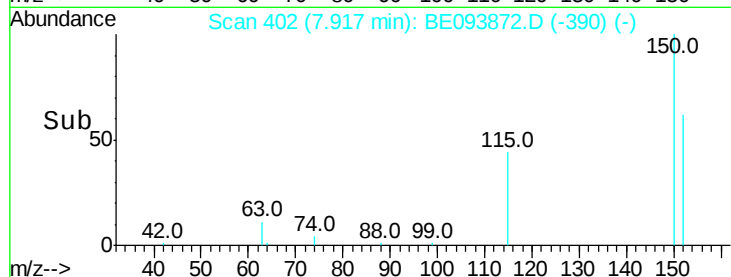
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093872.D
Acq: 22 Aug 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB101705BS

Tot Ion:152 Resp: 1695
Ion Ratio Lower Upper
152 100
150 156.9 125.1 187.7
115 72.4 55.7 83.5



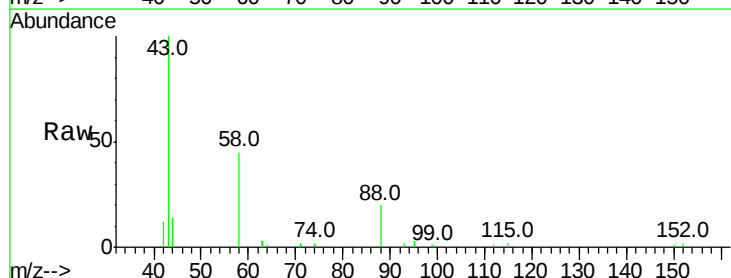
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



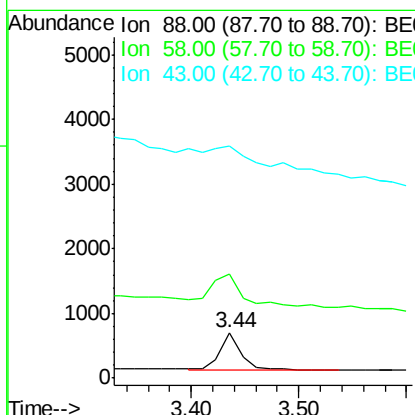
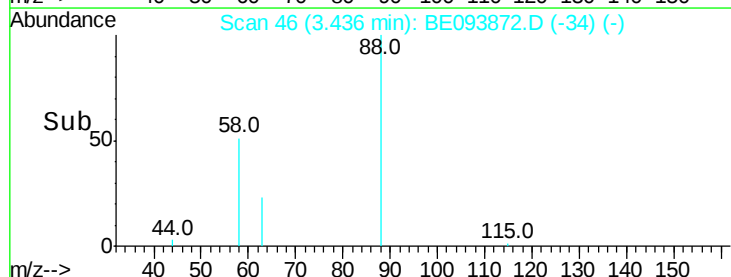
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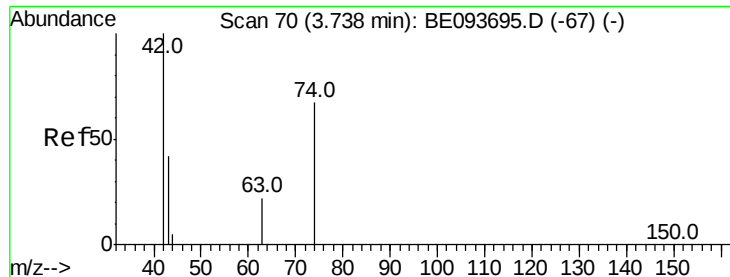
1,4-Dioxane
Concen: 0.304 ng
RT: 3.44 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE093872.D
Acq: 22 Aug 2017 12:54

Tgt Ion: 88 Resp: 776
Ion Ratio Lower Upper
88 100
58 142.5 62.2 93.4#
43 0.0 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



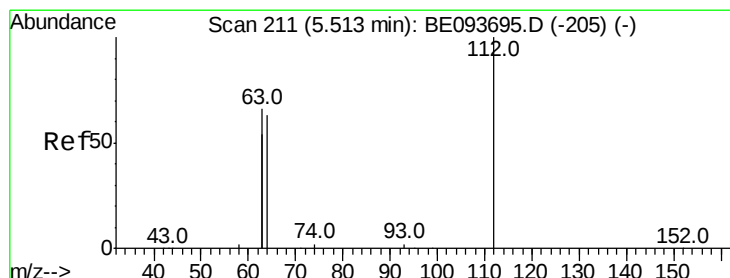
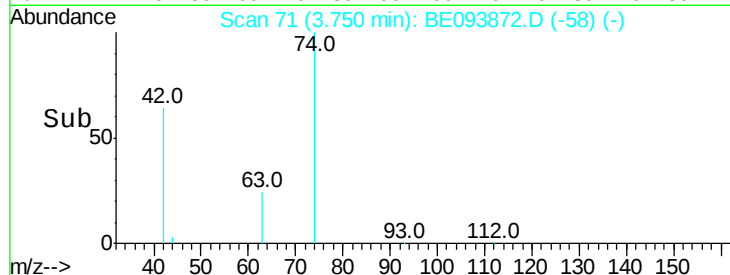
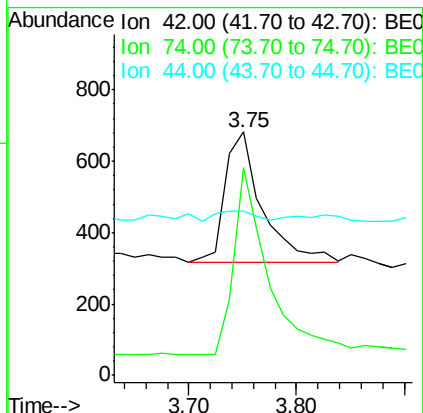
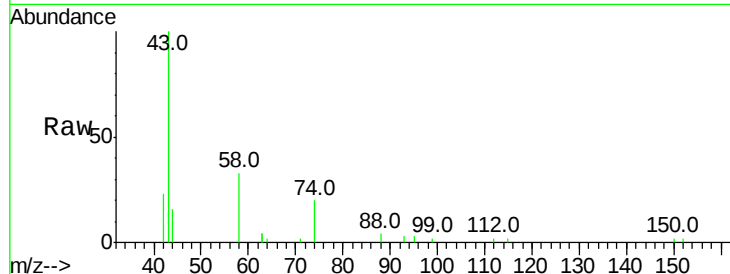


#3

n-Nitrosodimethylamine
 Concen: 0.328 ng
 RT: 3.75 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: BE093872.D
 Acq: 22 Aug 2017 12:54

Instrument :
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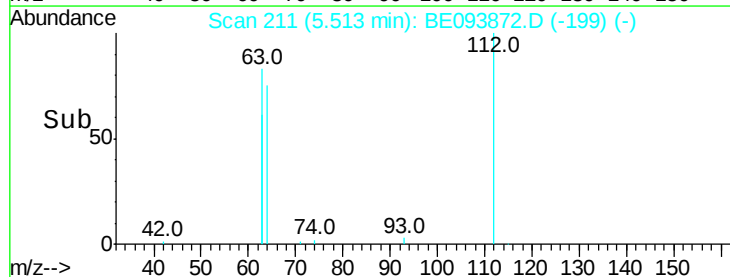
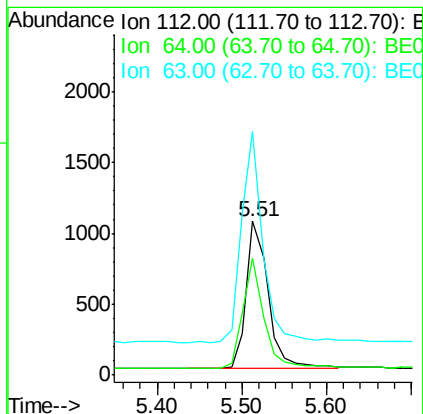
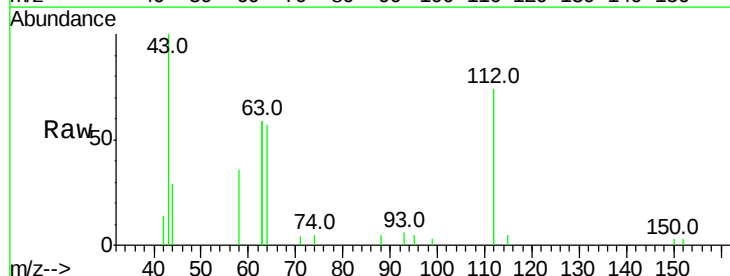
Tot Ion: 42 Resp: 870
 Ion Ratio Lower Upper
 42 100
 74 132.5 99.1 148.7
 44 7.9 7.4 11.2

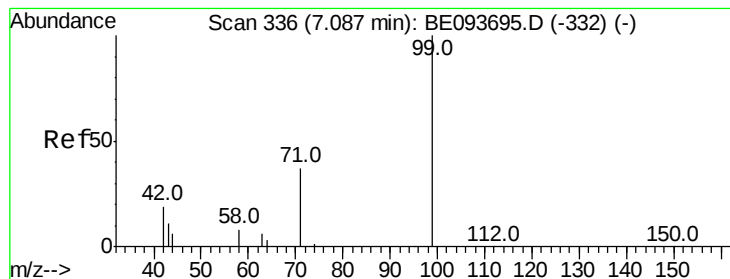


#4

2-Fluorophenol
 Concen: 0.342 ng
 RT: 5.51 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE093872.D
 Acq: 22 Aug 2017 12:54

Tgt Ion: 112 Resp: 1877
 Ion Ratio Lower Upper
 112 100
 64 71.5 56.4 84.6
 63 141.7 29.3 43.9#





#5

Phenol-d6

Concen: 0.292 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

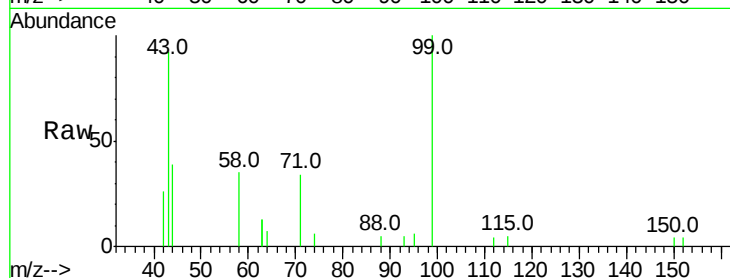
Tot Ion: 99 Resp: 2441

Ion Ratio Lower Upper

99 100

42 21.7 0.0 0.0#

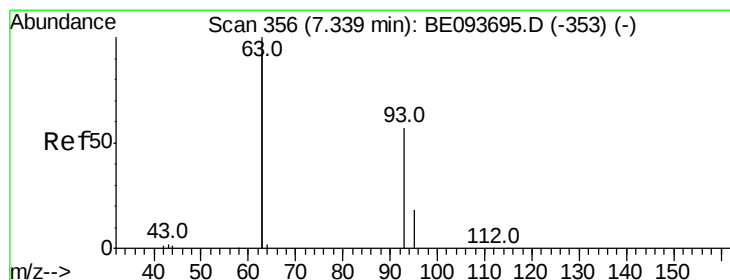
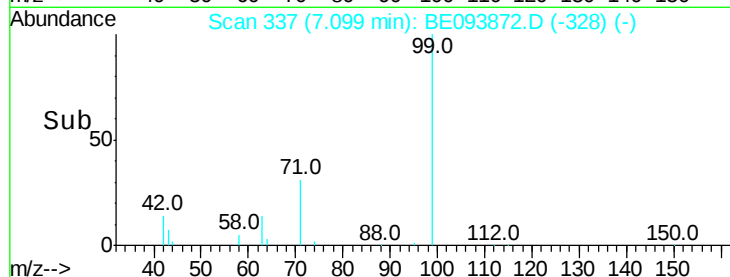
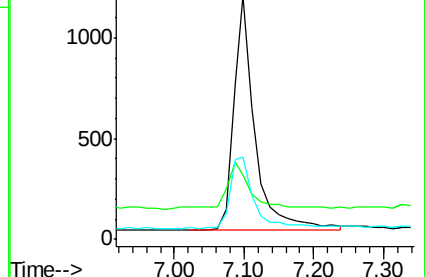
71 35.2 0.0 0.0#



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: 0.290 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

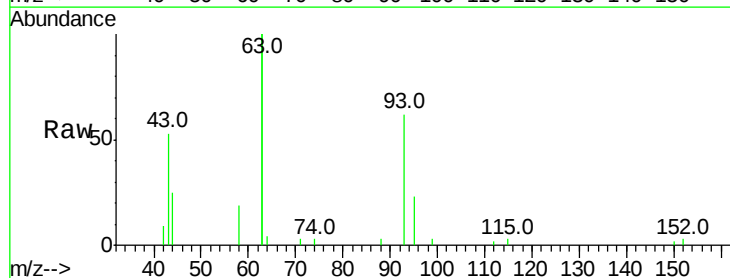
Tgt Ion: 93 Resp: 1882

Ion Ratio Lower Upper

93 100

63 343.5 0.0 0.0#

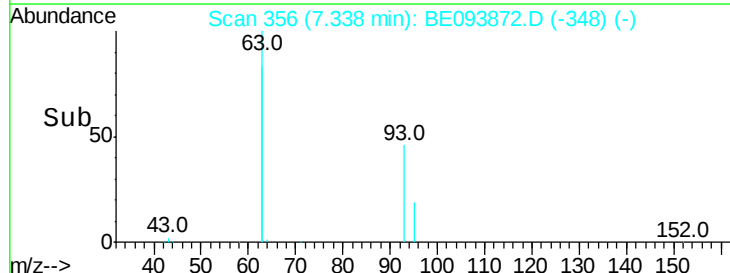
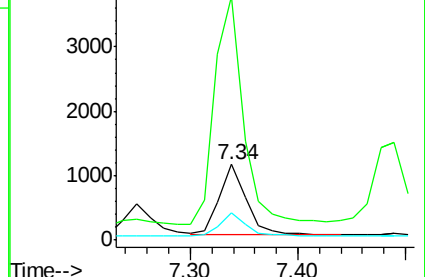
95 34.0 25.4 38.0

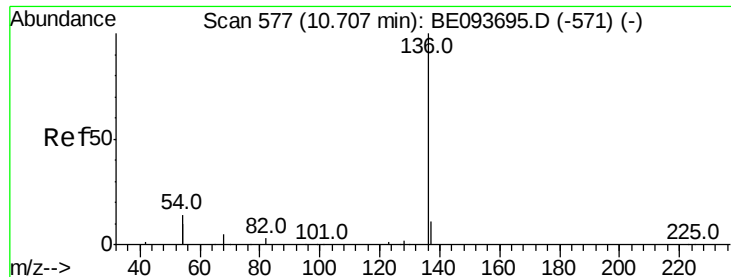


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

Tot Ion:136 Resp: 7457

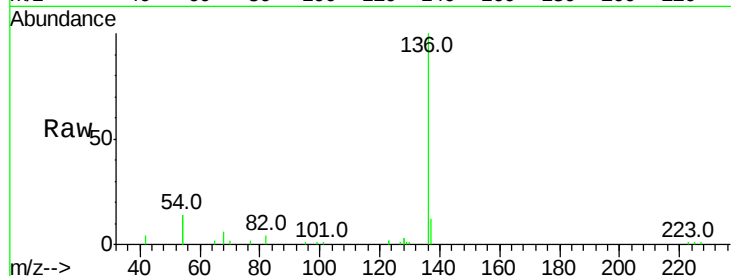
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.8

54 28.7 10.3 15.5#

68 6.4 9.0 13.4#

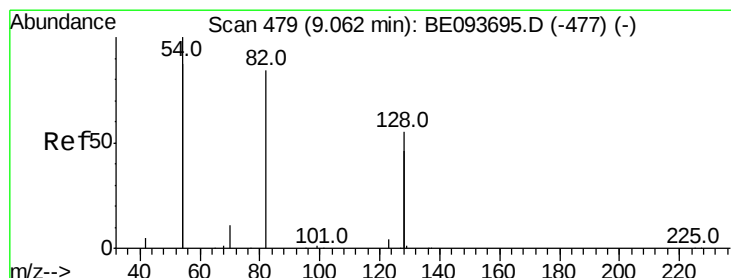
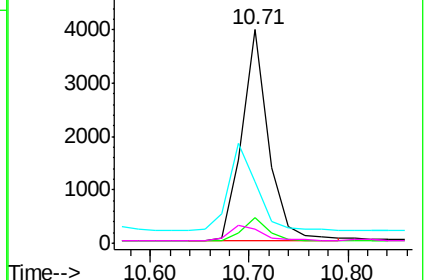
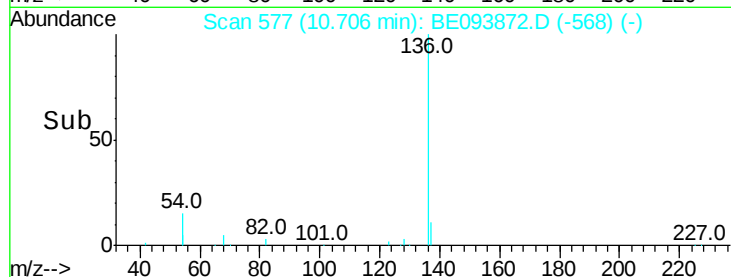


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.346 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

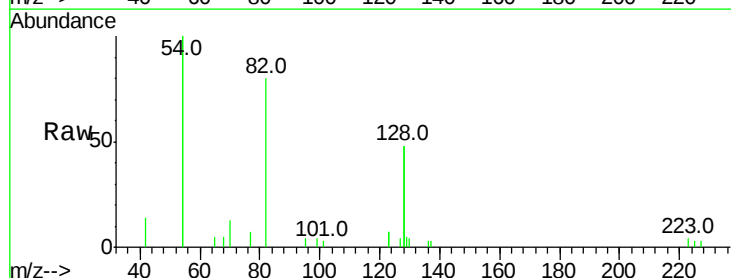
Tgt Ion: 82 Resp: 2209

Ion Ratio Lower Upper

82 100

128 121.2 17.0 25.4#

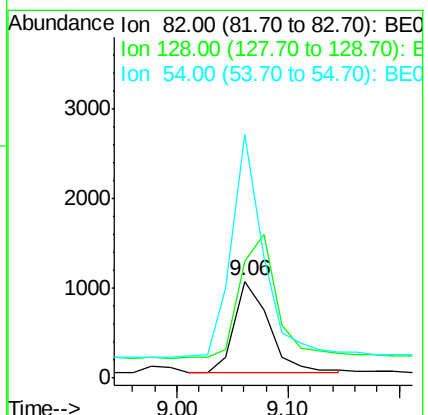
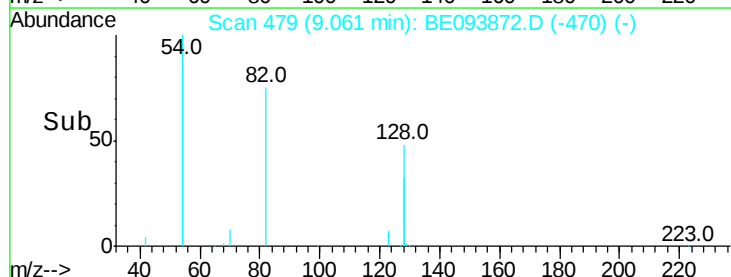
54 251.3 53.8 80.6#

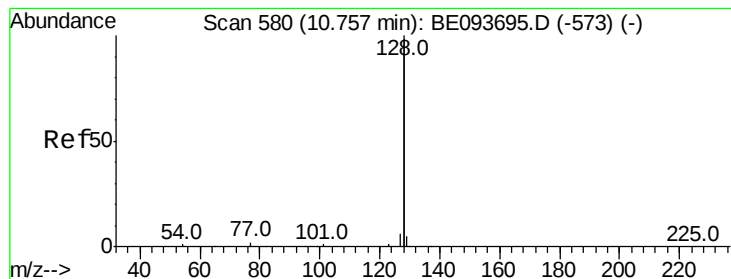


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.295 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

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ClientSampleId :

PB101705BS

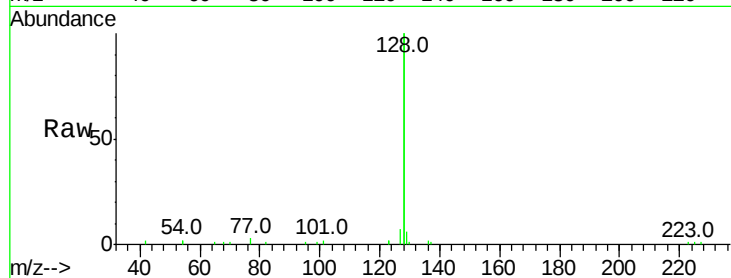
Tot Ion:128 Resp: 25211

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

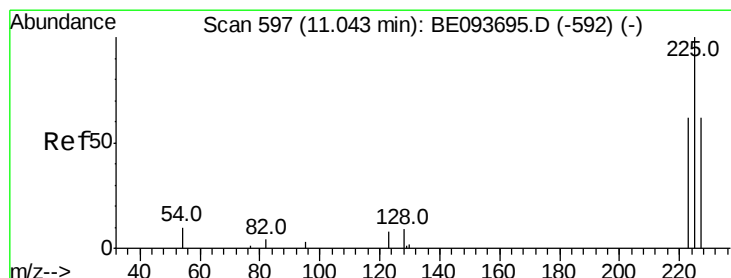
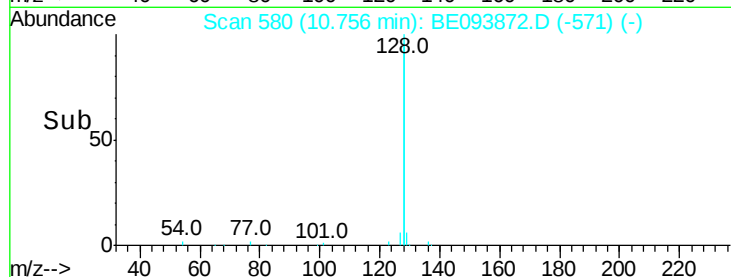
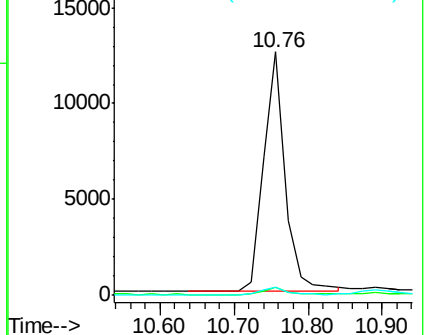
127 3.4 2.4 3.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.300 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

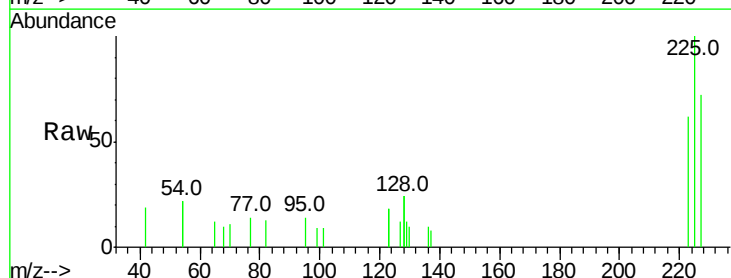
Tgt Ion:225 Resp: 953

Ion Ratio Lower Upper

225 100

223 61.0 49.7 74.5

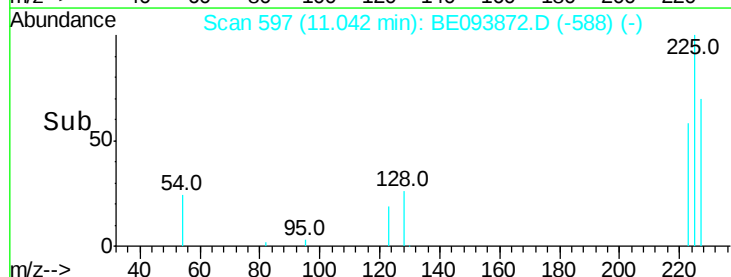
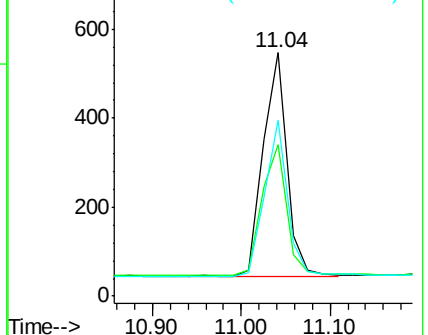
227 66.6 50.3 75.5

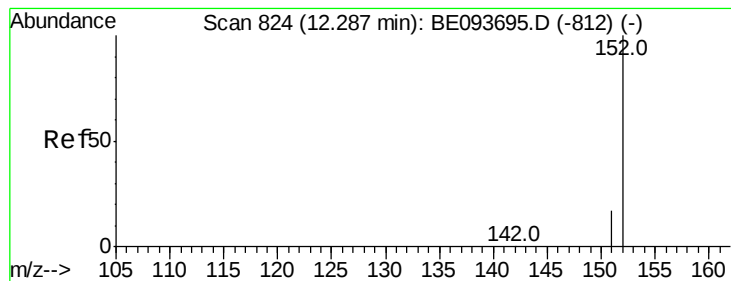


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.358 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

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ClientSampleId :

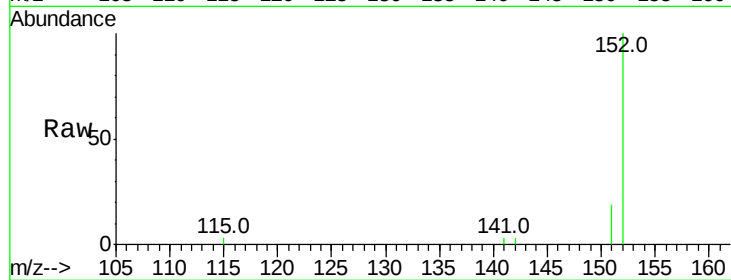
PB101705BS

Tot Ion:152 Resp: 4289

Ion Ratio Lower Upper

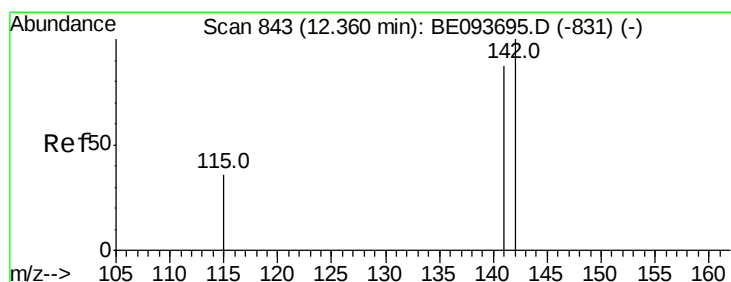
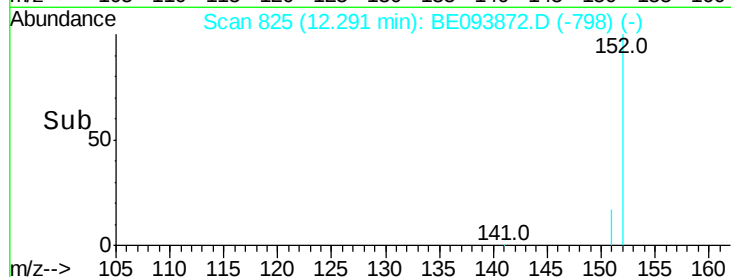
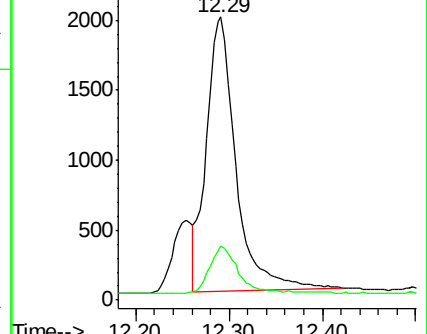
152 100

151 16.9 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: 0.294 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

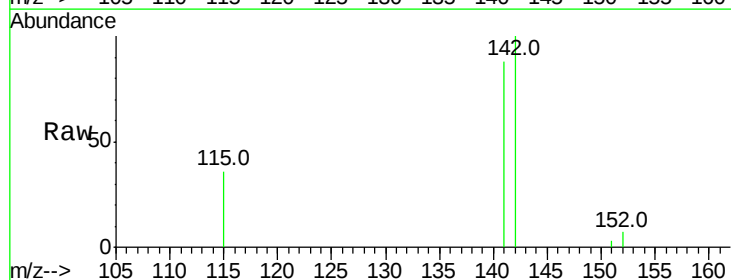
Tgt Ion:142 Resp: 4246

Ion Ratio Lower Upper

142 100

141 88.0 72.6 108.8

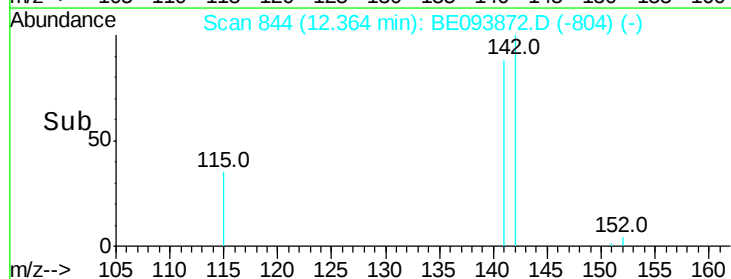
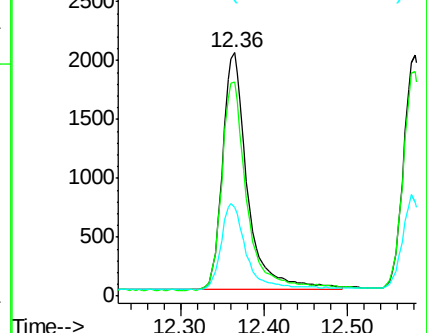
115 36.4 32.2 48.2

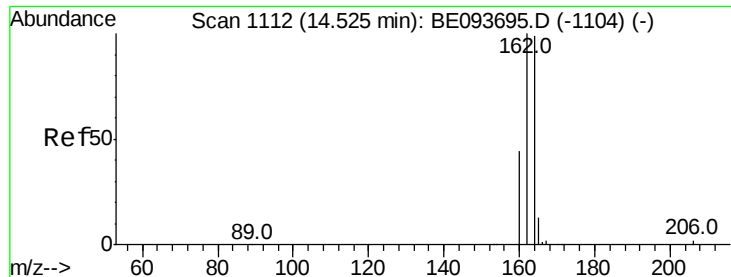


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

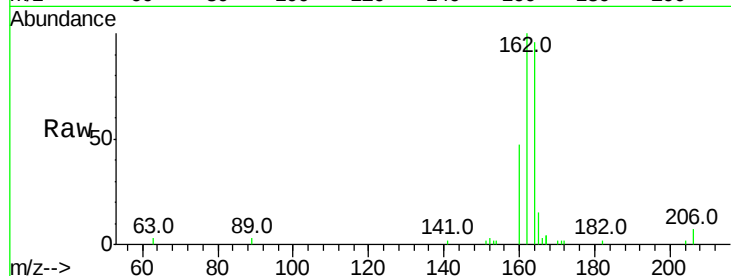
Tot Ion:164 Resp: 3883

Ion Ratio Lower Upper

164 100

162 104.7 84.6 127.0

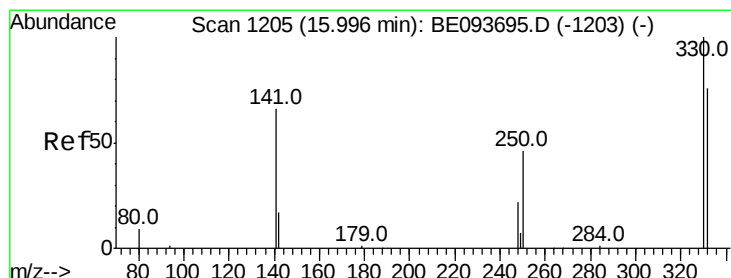
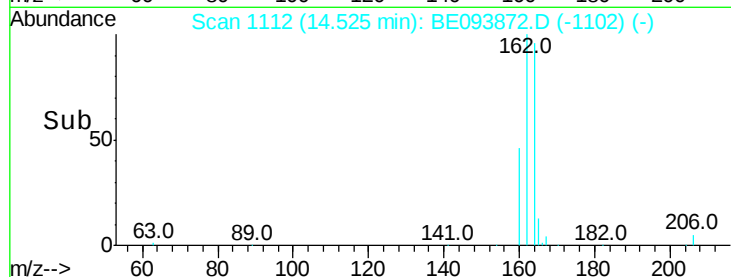
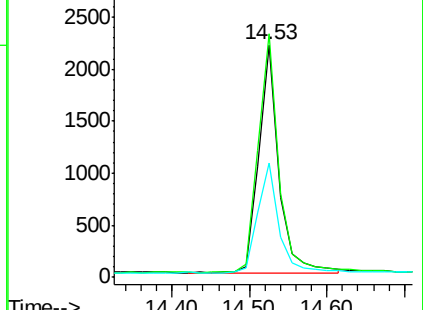
160 48.9 41.8 62.6



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: 0.354 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.03 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

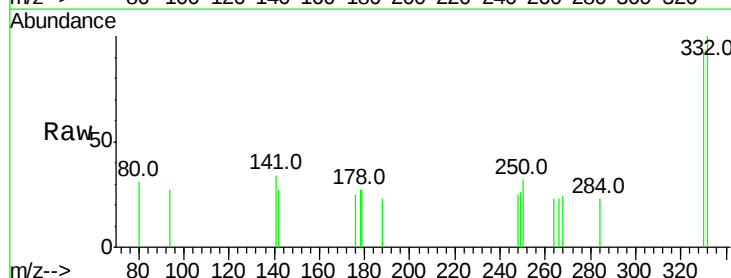
Tgt Ion:330 Resp: 377

Ion Ratio Lower Upper

330 100

332 100.5 77.7 116.5

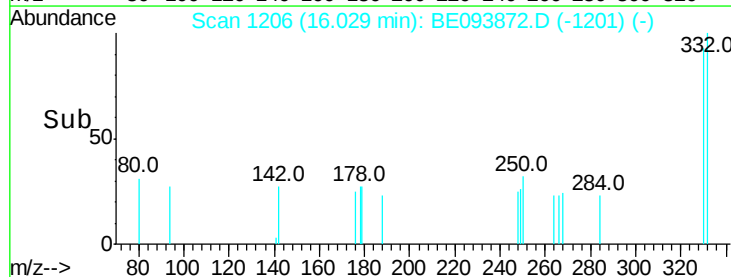
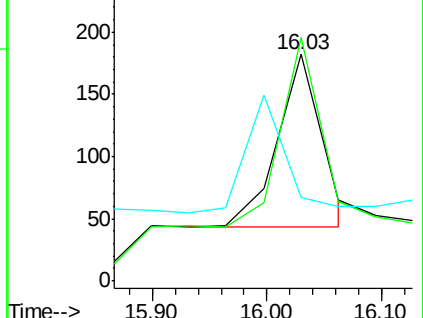
141 0.0 56.2 84.4#

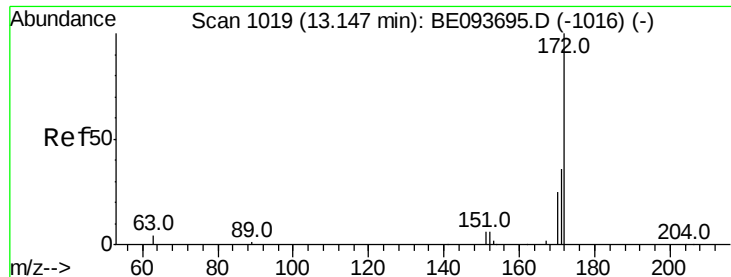


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

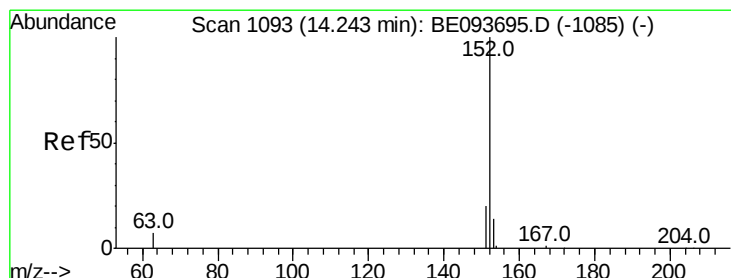
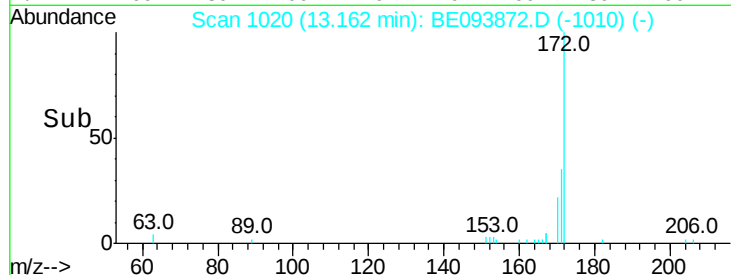
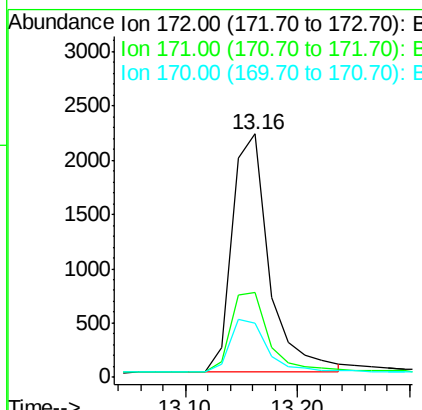
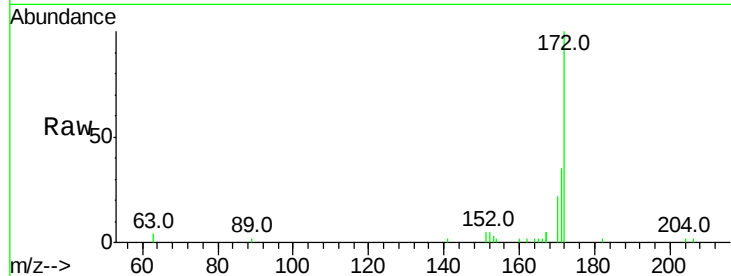




#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.02 min
Lab File: BE093872.D
Acq: 22 Aug 2017 12:54

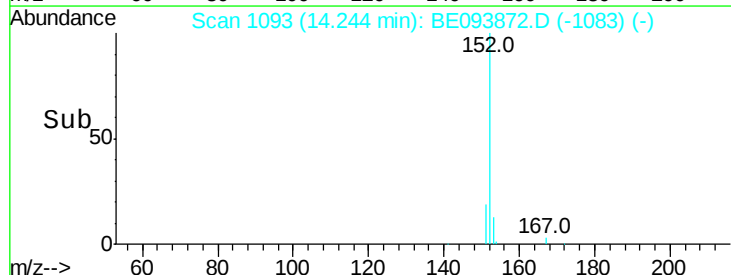
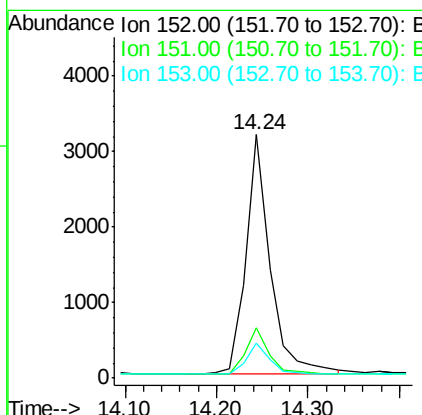
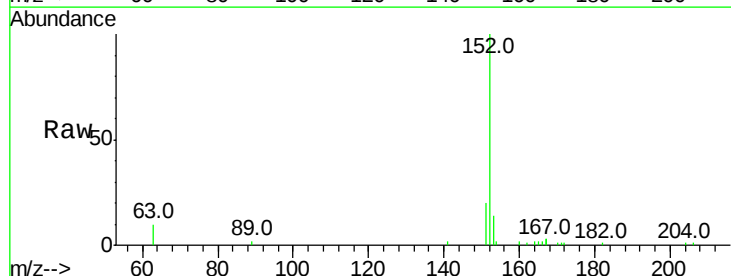
Instrument :
BNA_E
ClientSampleId :
PB101705BS

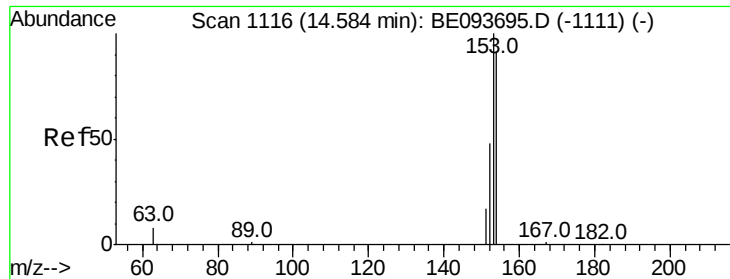
Tot Ion:172 Resp: 5091
Ion Ratio Lower Upper
172 100
171 35.1 29.8 44.6
170 22.2 20.7 31.1



#16
Acenaphthylene
Concen: 0.301 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093872.D
Acq: 22 Aug 2017 12:54

Tgt Ion:152 Resp: 5883
Ion Ratio Lower Upper
152 100
151 19.3 4.0 6.0#
153 13.1 10.3 15.5

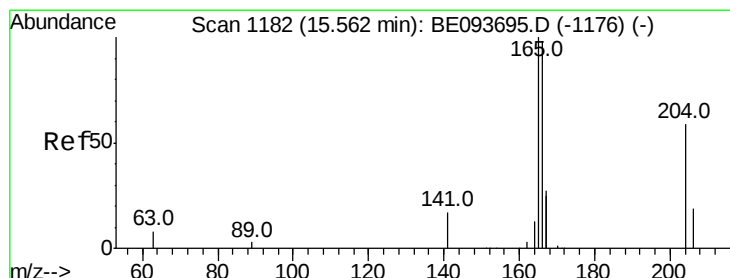
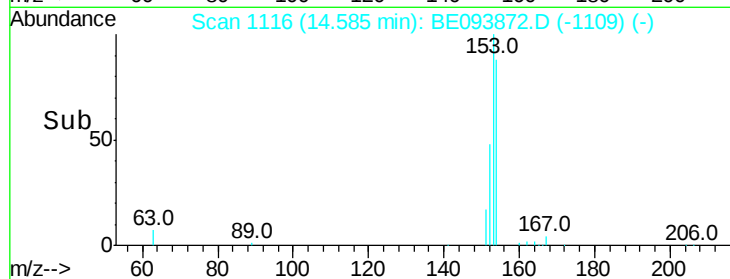
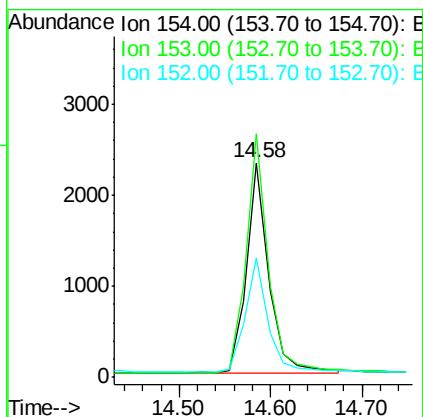
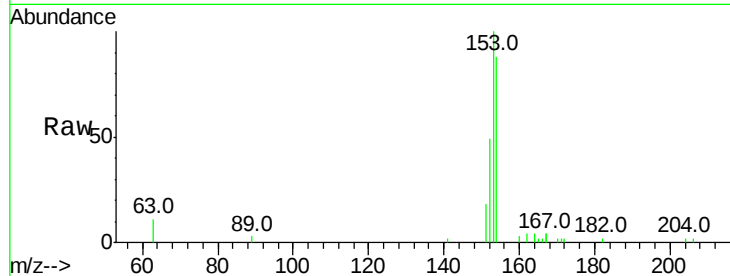




#17
Acenaphthene
Concen: 0.297 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093872.D
Acq: 22 Aug 2017 12:54

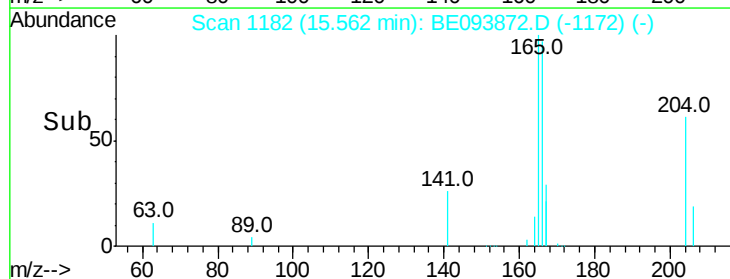
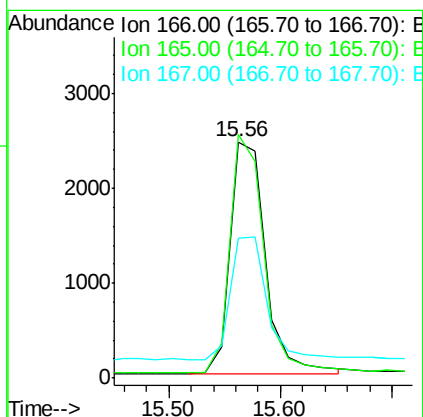
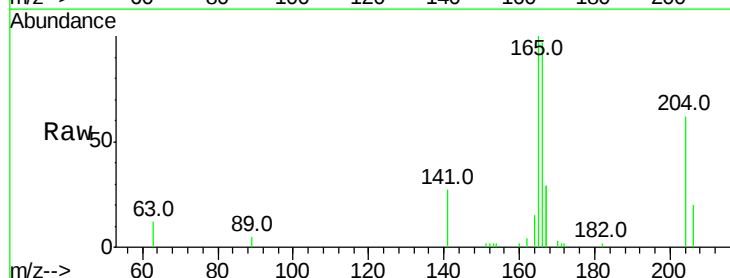
Instrument :
BNA_E
ClientSampleId :
PB101705BS

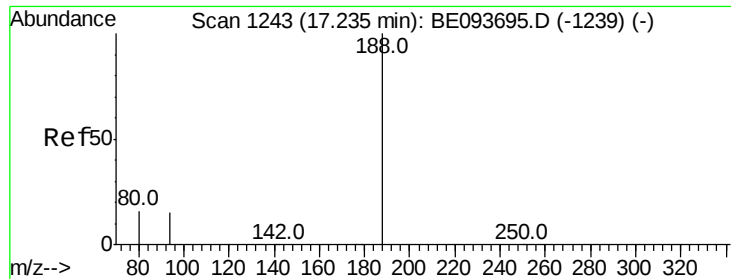
Tot Ion:154 Resp: 3908
Ion Ratio Lower Upper
154 100
153 113.7 91.2 136.8
152 54.9 44.8 67.2



#18
Fluorene
Concen: 0.313 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE093872.D
Acq: 22 Aug 2017 12:54

Tgt Ion:166 Resp: 5322
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 54.6 11.1 16.7#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

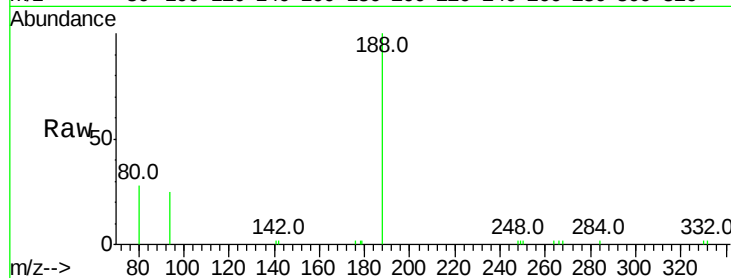
Tot Ion:188 Resp: 8716

Ion Ratio Lower Upper

188 100

94 24.7 11.3 16.9#

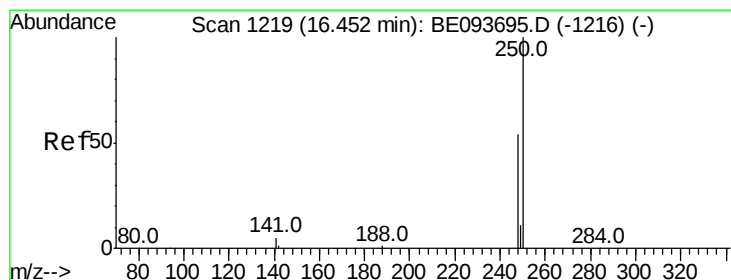
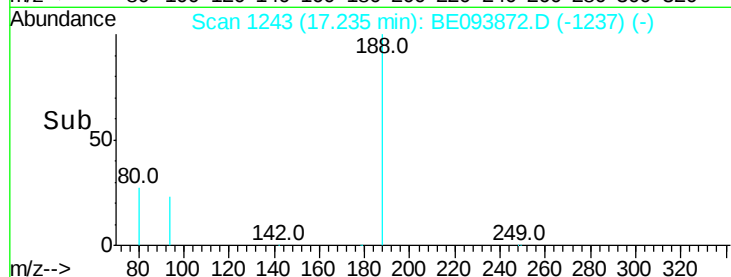
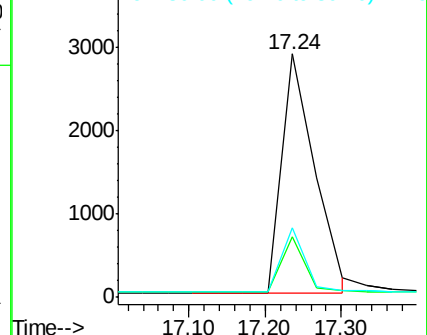
80 28.5 11.7 17.5#



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: 0.506 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

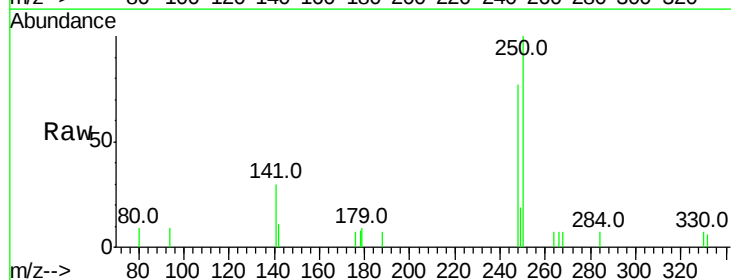
Tgt Ion:248 Resp: 1248

Ion Ratio Lower Upper

248 100

250 130.3 128.0 192.0

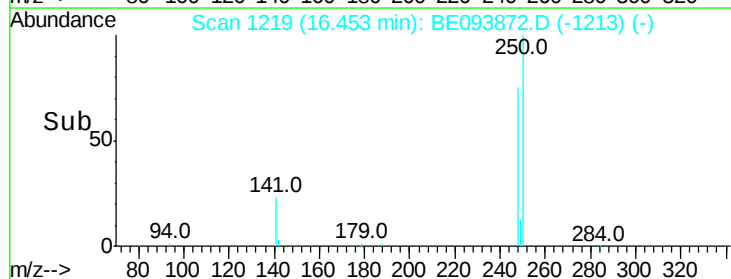
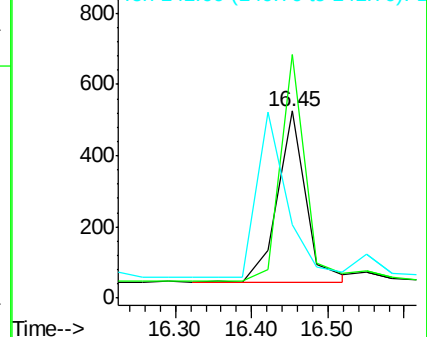
141 39.2 12.0 18.0#

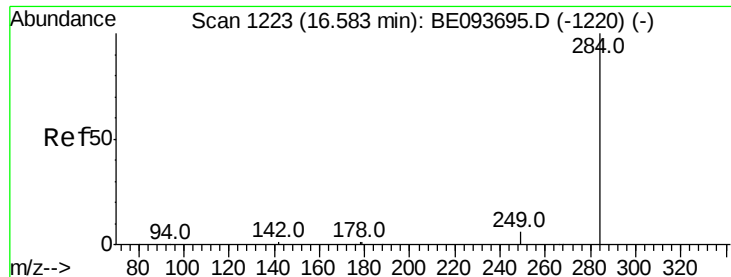


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

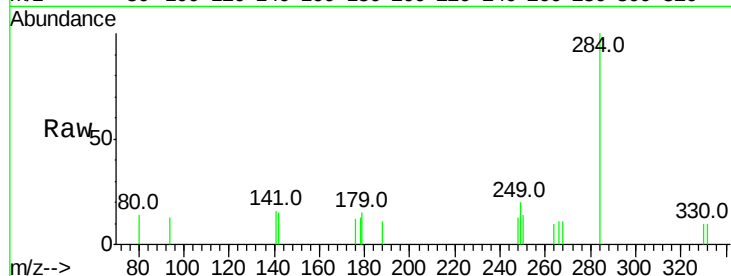
Tot Ion:284 Resp: 1027

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

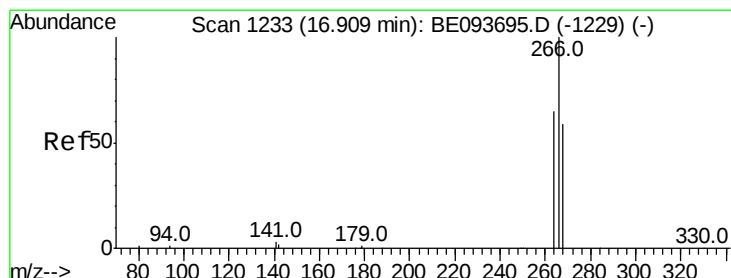
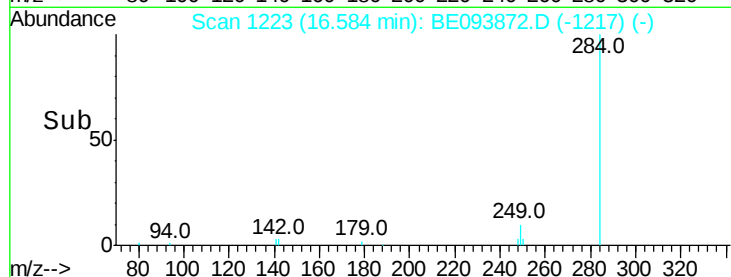
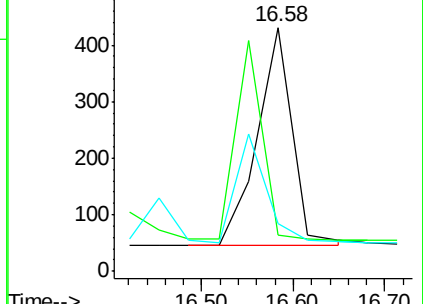
249 0.0 0.0 0.0



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: 0.444 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.03 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

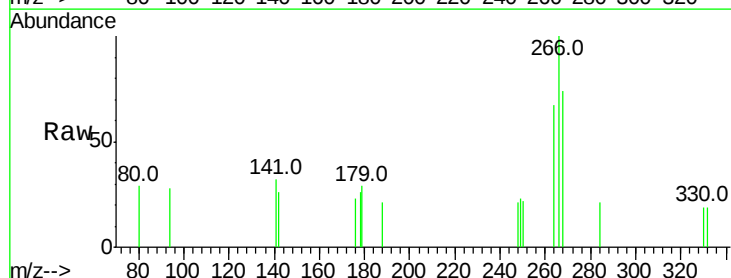
Tgt Ion:266 Resp: 818

Ion Ratio Lower Upper

266 100

264 66.5 56.0 84.0

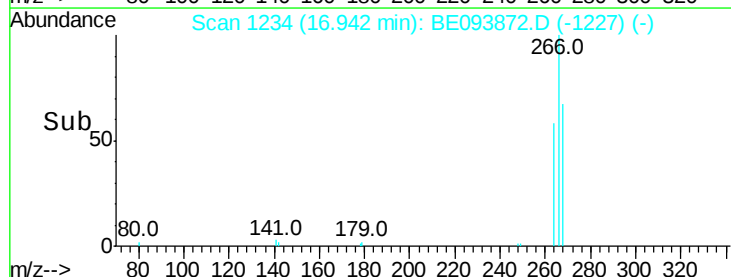
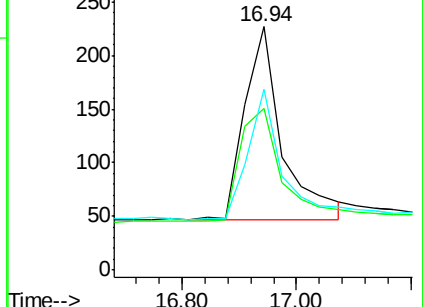
268 74.4 52.0 78.0

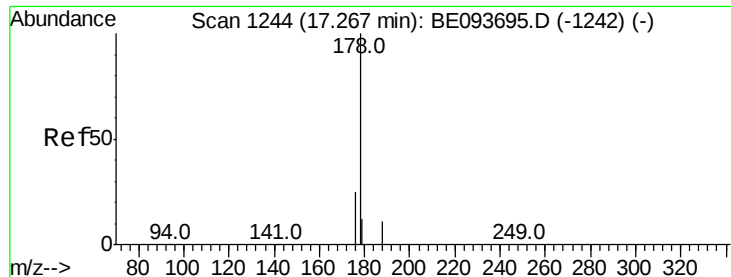


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.03 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

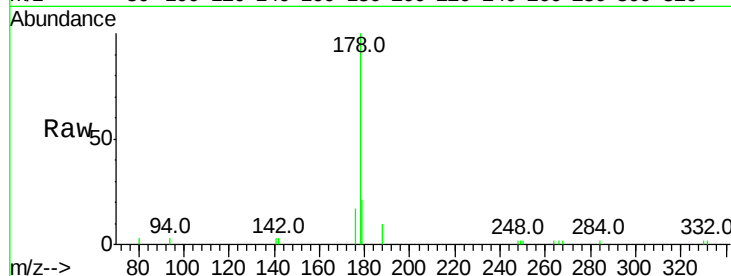
BNA_E

ClientSampleId :

PB101705BS

Tot Ion:178 Resp: 7315

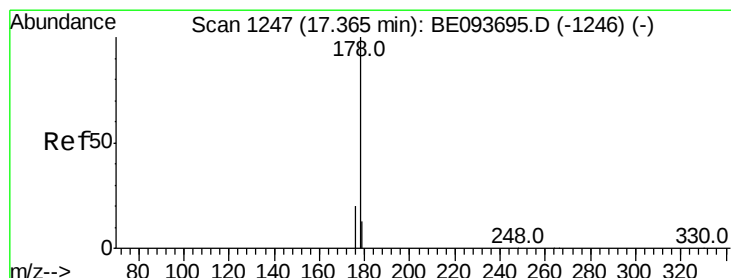
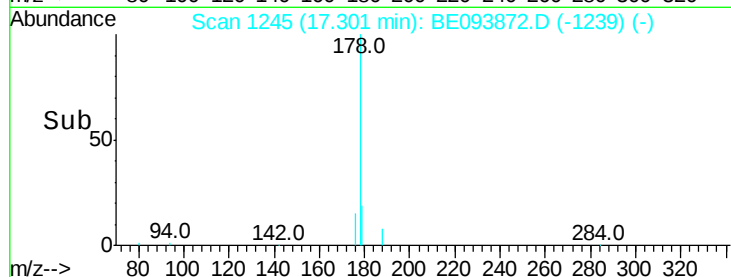
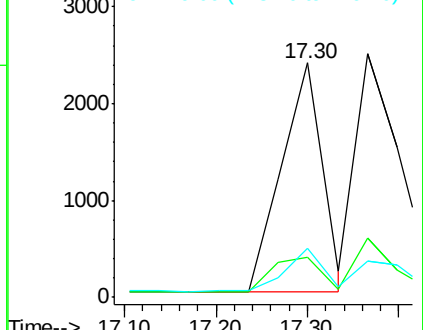
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	16.6	12.7	19.1



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: 0.258 ng

RT: 17.30 min Scan# 1245

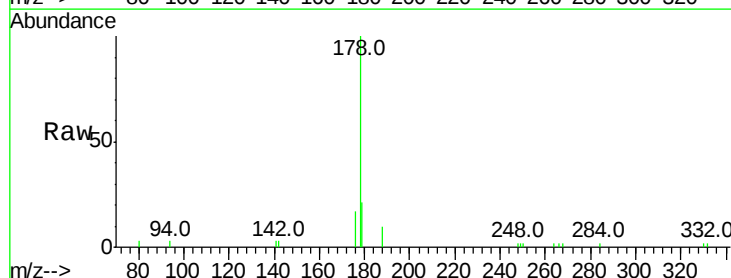
Delta R.T. -0.06 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Tgt Ion:178 Resp: 7278

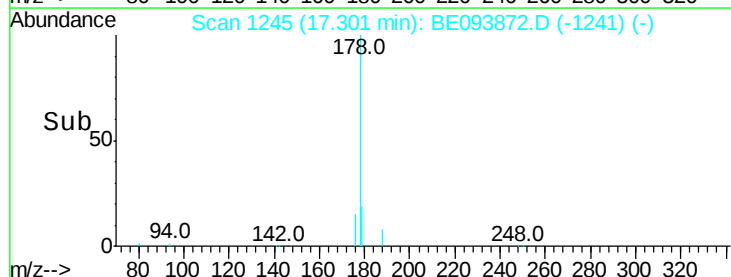
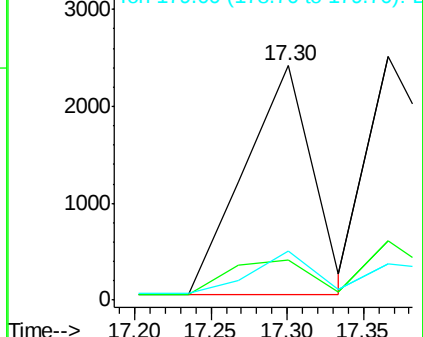
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	16.0	12.0	18.0

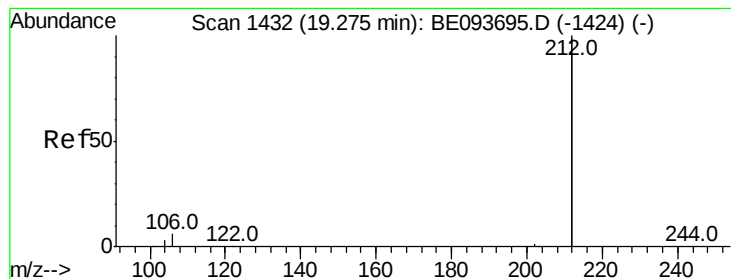


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.454 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

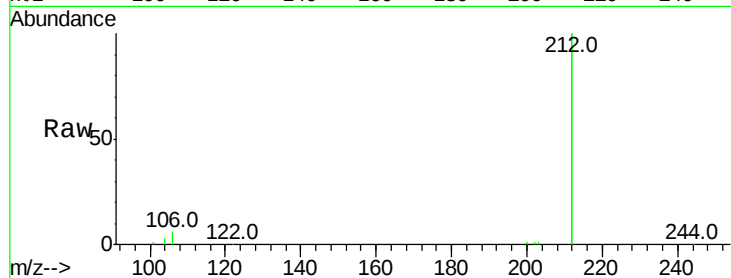
Tot Ion:212 Resp: 45122

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

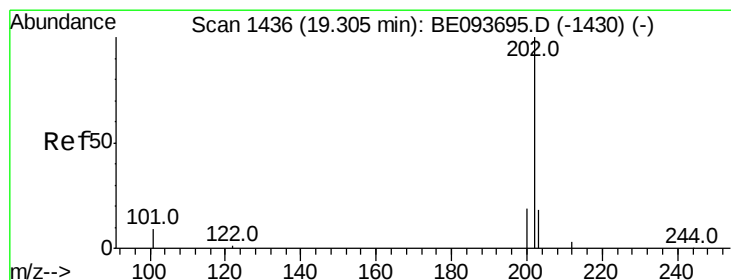
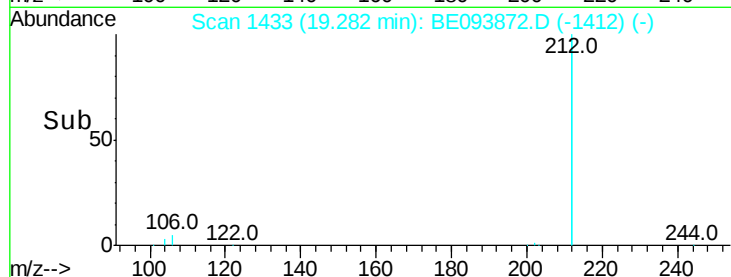
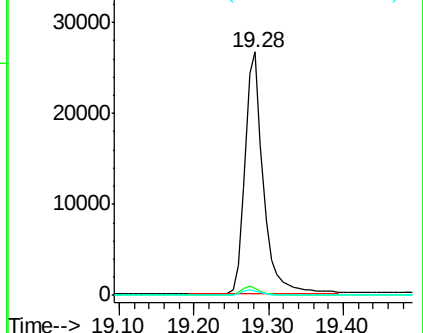
104 1.9 1.6 2.4



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: 0.391 ng

RT: 19.31 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

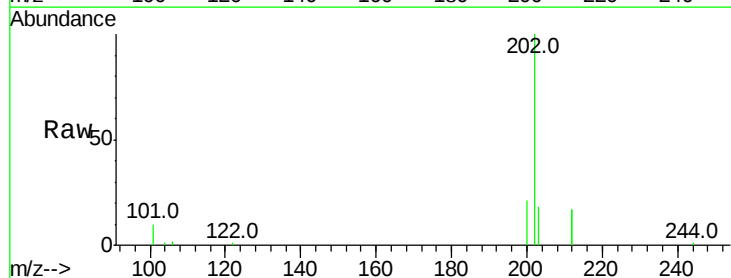
Tgt Ion:202 Resp: 11900

Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

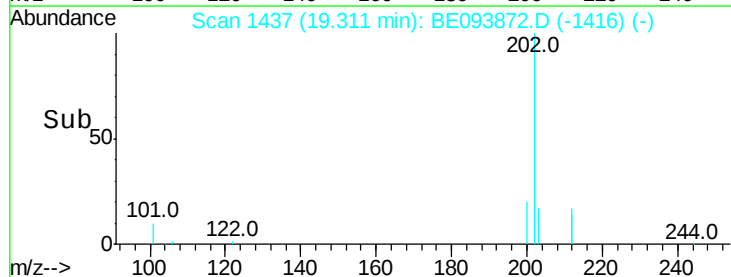
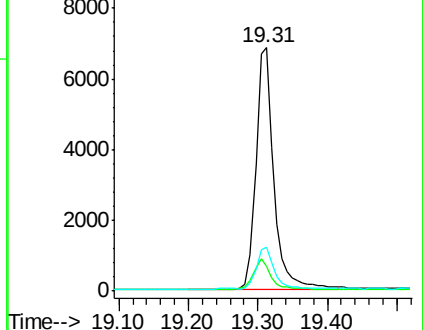
203 16.7 14.4 21.6

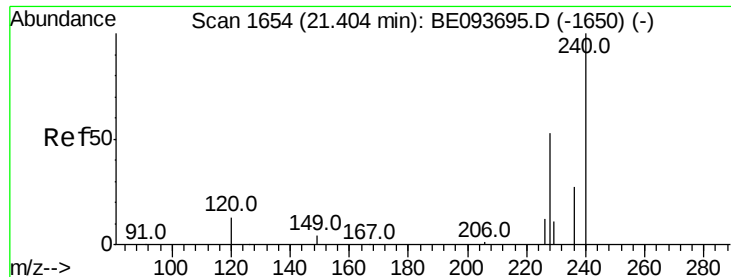


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

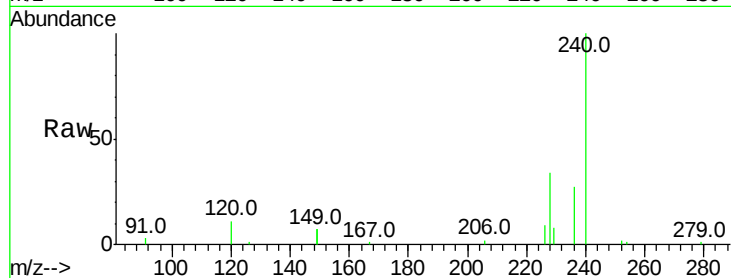
Tot Ion:240 Resp: 12886

Ion Ratio Lower Upper

240 100

120 10.8 4.6 7.0#

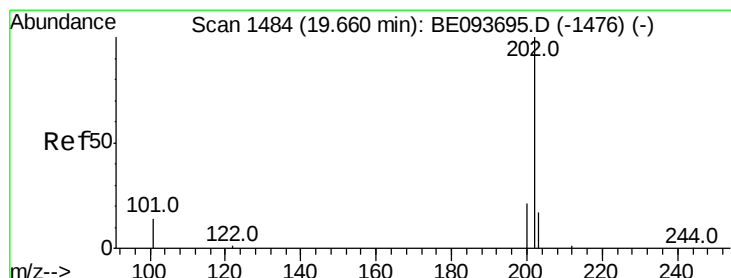
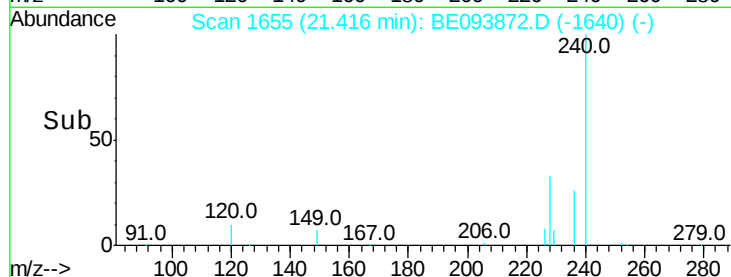
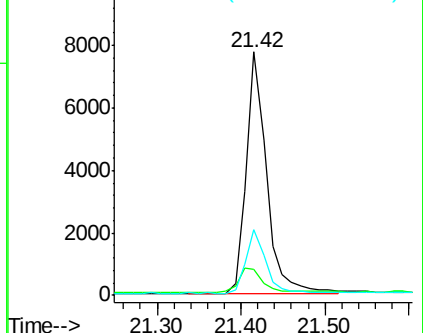
236 26.8 20.8 31.2



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: 0.291 ng

RT: 19.67 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

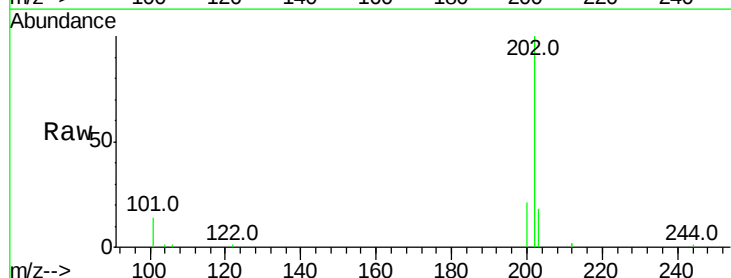
Tgt Ion:202 Resp: 12303

Ion Ratio Lower Upper

202 100

200 20.8 0.0 0.0#

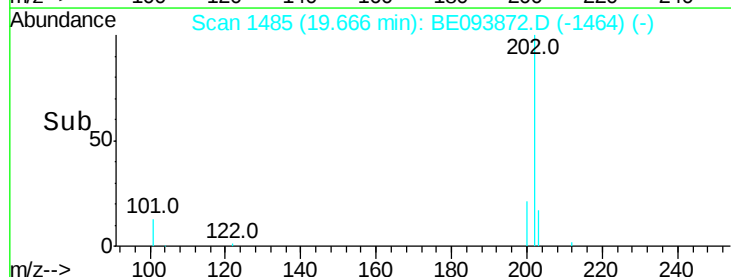
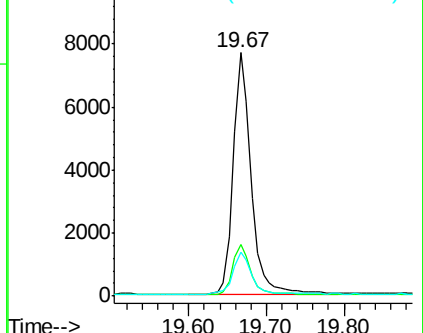
203 18.3 13.7 20.5

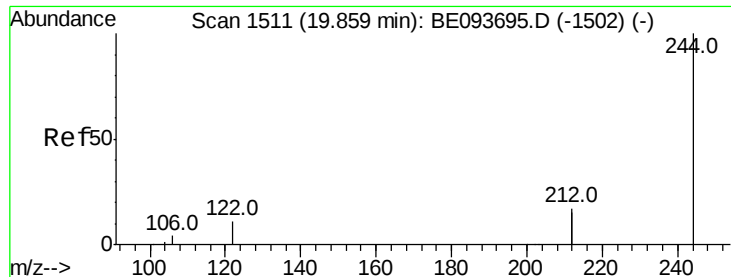


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.431 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

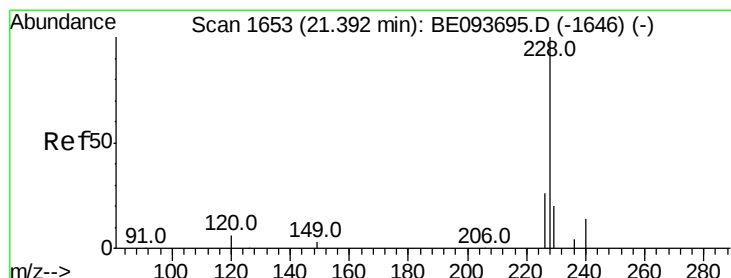
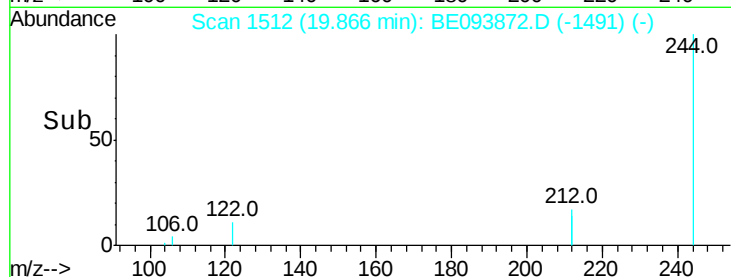
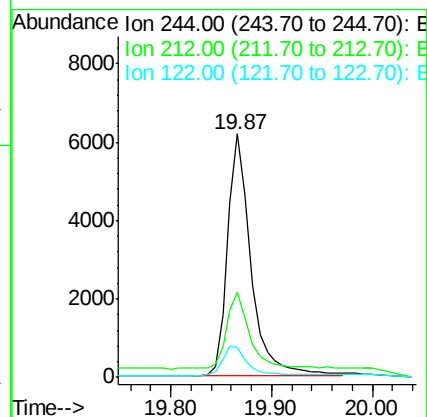
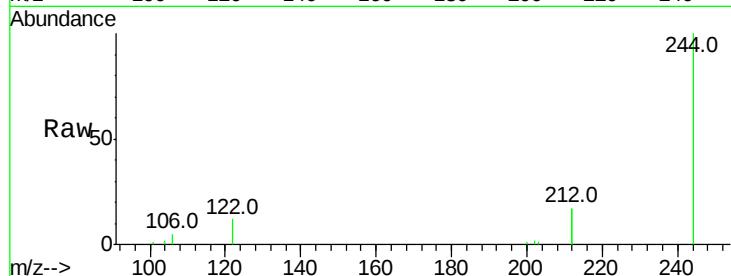
Tot Ion:244 Resp: 9888

Ion Ratio Lower Upper

244 100

212 34.6 10.6 16.0#

122 12.2 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.290 ng

RT: 21.40 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

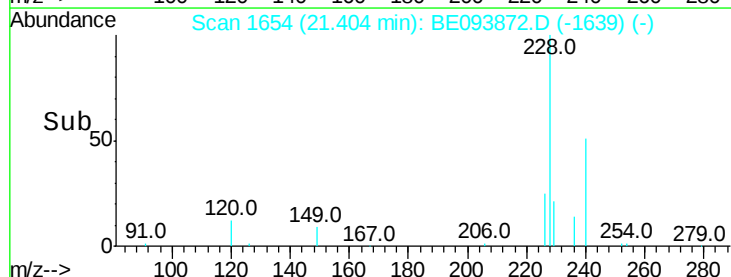
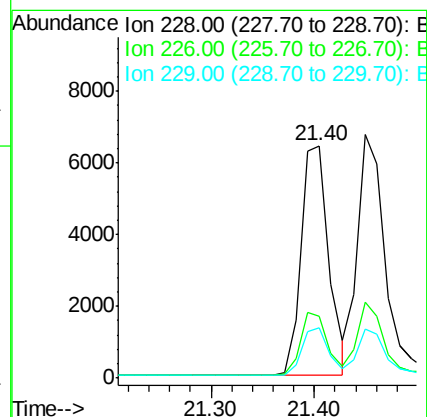
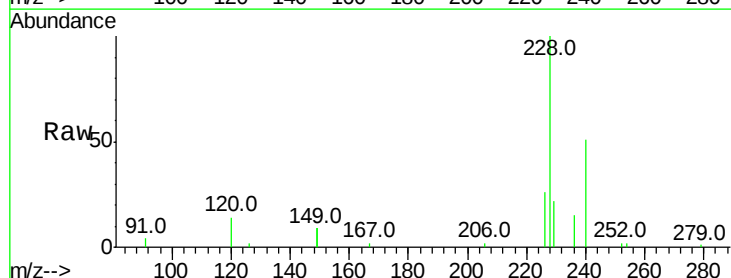
Tgt Ion:228 Resp: 11874

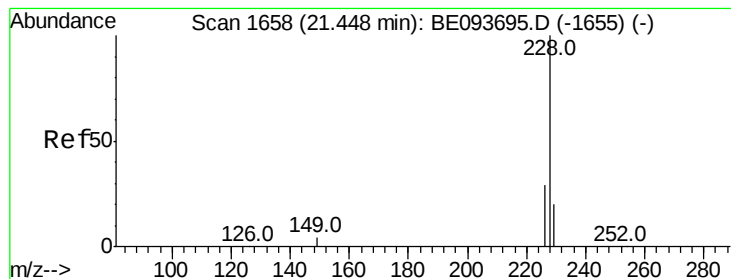
Ion Ratio Lower Upper

228 100

226 26.3 19.7 29.5

229 21.6 19.2 28.8





#31

Chrysene

Concen: 0.304 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

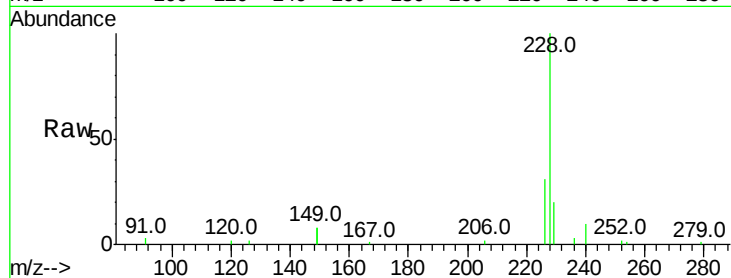
Tot Ion:228 Resp: 12688

Ion Ratio Lower Upper

228 100

226 31.1 21.5 32.3

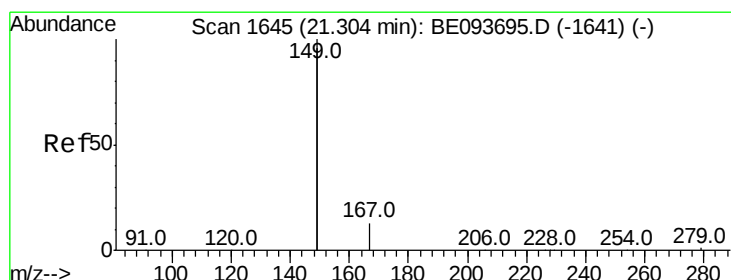
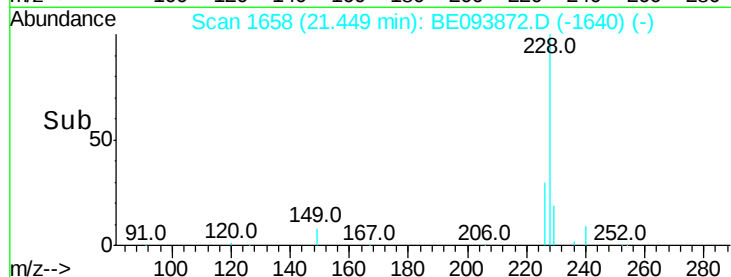
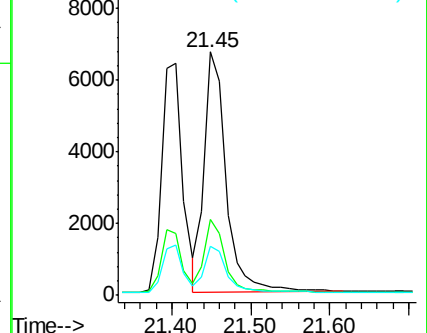
229 20.0 18.6 28.0



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: 0.332 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

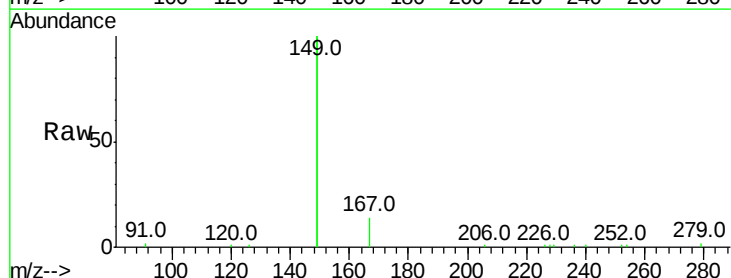
Tgt Ion:149 Resp: 29064

Ion Ratio Lower Upper

149 100

167 6.7 4.8 7.2

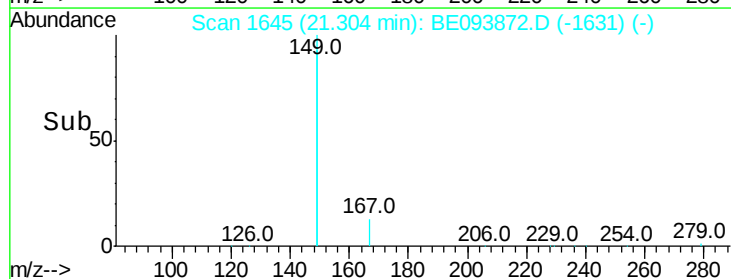
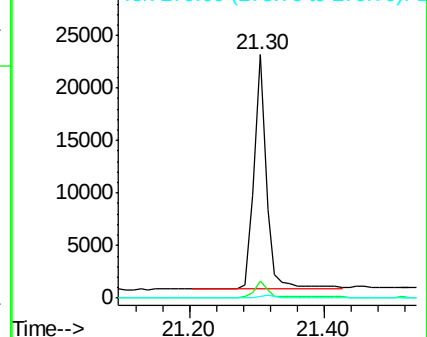
279 0.9 0.8 1.2

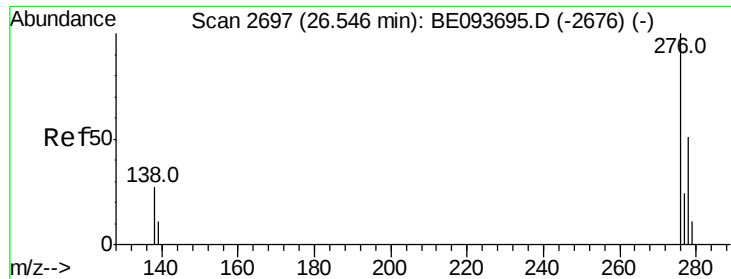


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

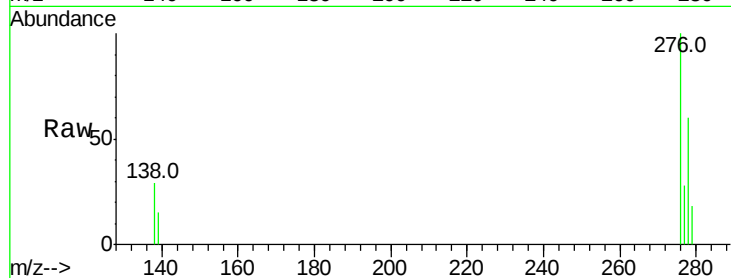




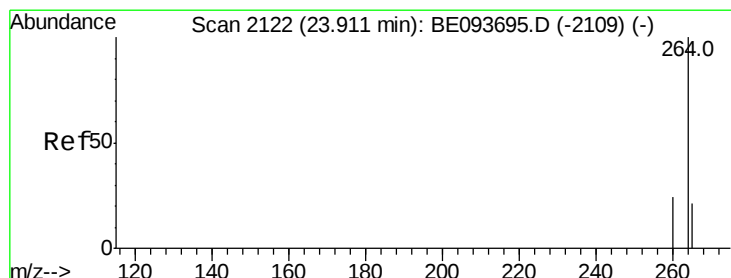
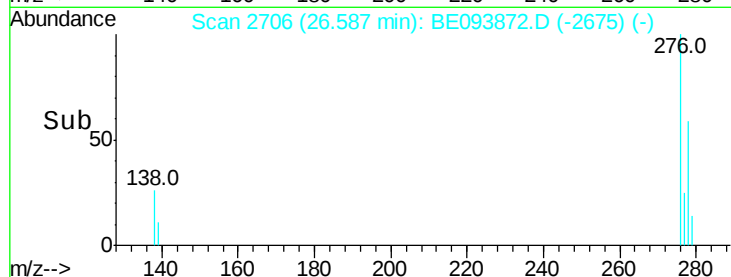
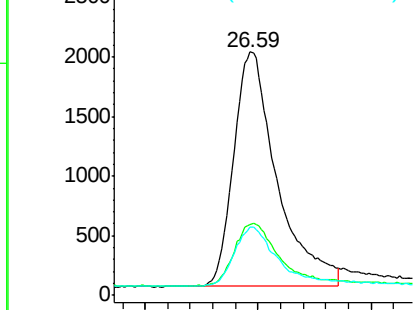
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.256 ng
 RT: 26.59 min Scan# 2706
 Delta R.T. 0.04 min
 Lab File: BE093872.D
 Acq: 22 Aug 2017 12:54

Instrument :
 BNA_E
 ClientSampleId :
 PB101705BS

Tot Ion:276 Resp: 10296
 Ion Ratio Lower Upper
 276 100
 138 27.7 27.4 41.2
 277 25.0 20.1 30.1

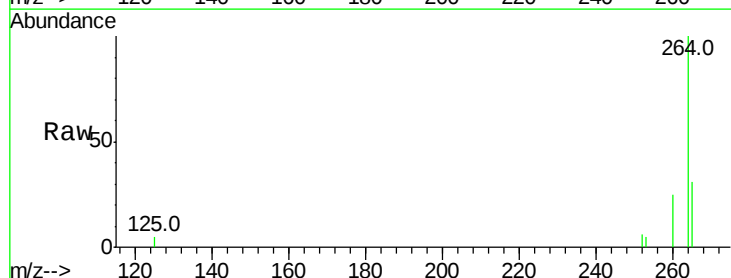


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

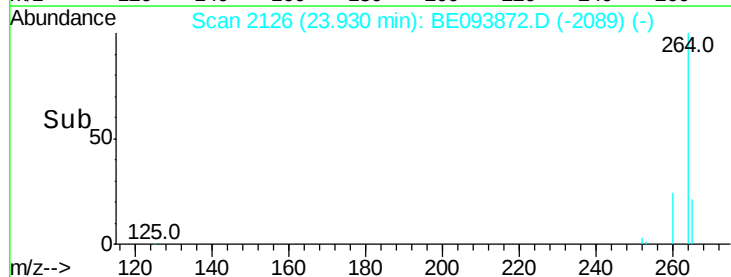
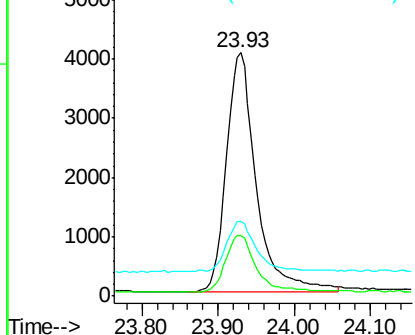


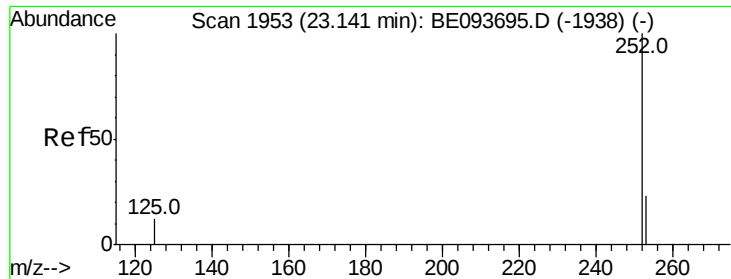
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2126
 Delta R.T. 0.02 min
 Lab File: BE093872.D
 Acq: 22 Aug 2017 12:54

Tgt Ion:264 Resp: 11050
 Ion Ratio Lower Upper
 264 100
 260 25.1 21.0 31.4
 265 30.7 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: 0.271 ng

RT: 23.16 min Scan# 1956

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

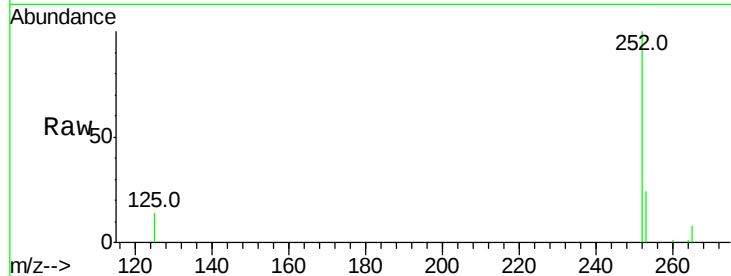
Tot Ion:252 Resp: 10392

Ion Ratio Lower Upper

252 100

253 24.1 18.5 27.7

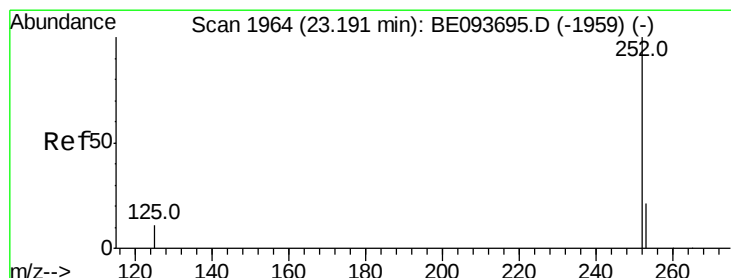
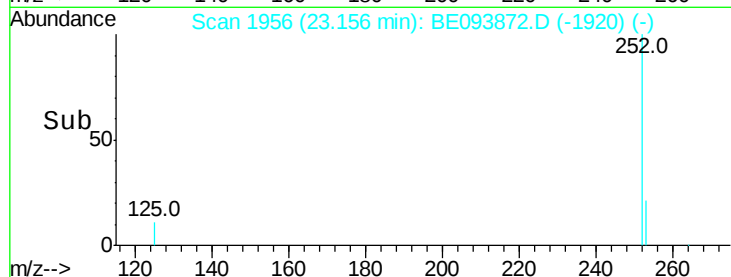
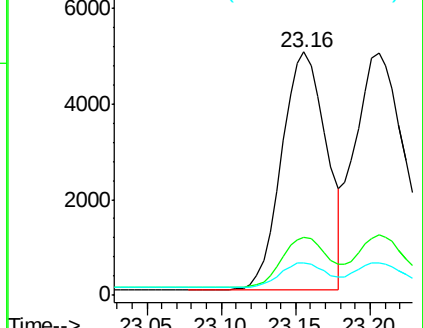
125 13.5 13.4 20.0



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



#36

Benzo(k)fluoranthene

Concen: 0.310 ng

RT: 23.21 min Scan# 1967

Delta R.T. 0.01 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

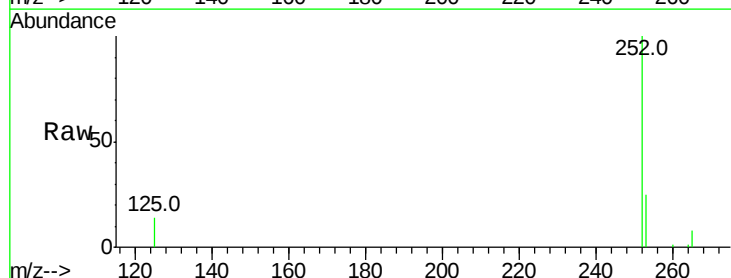
Tgt Ion:252 Resp: 11885

Ion Ratio Lower Upper

252 100

253 25.0 20.3 30.5

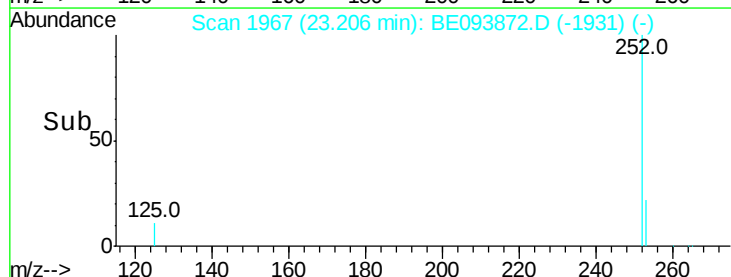
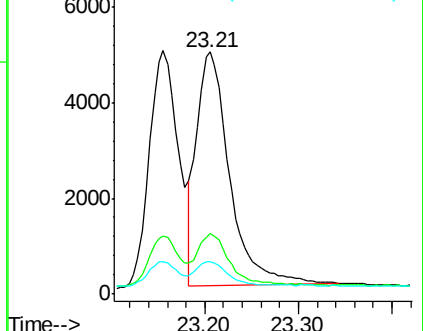
125 13.5 12.2 18.4

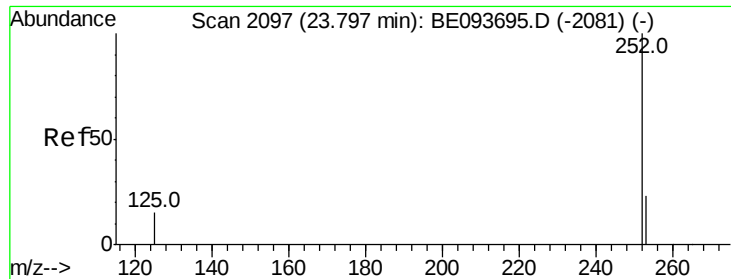


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.303 ng

RT: 23.82 min Scan# 2101

Delta R.T. 0.02 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS

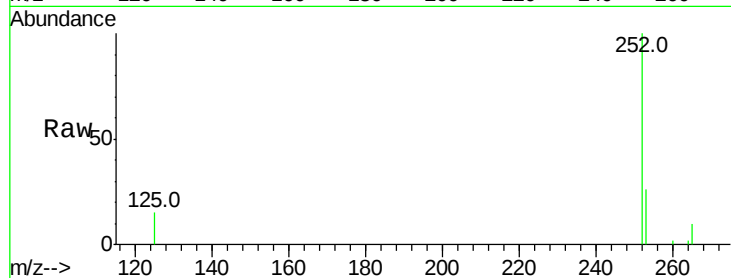
Tot Ion:252 Resp: 10942

Ion Ratio Lower Upper

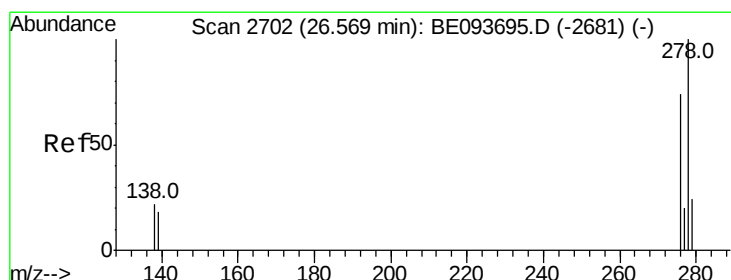
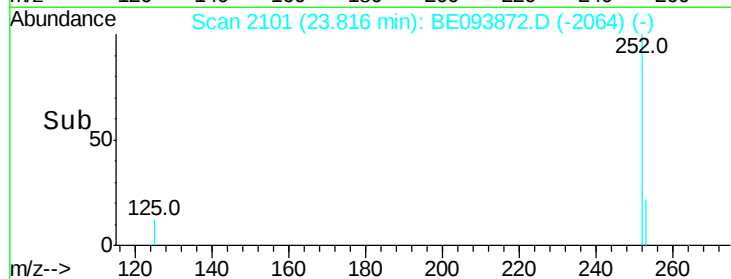
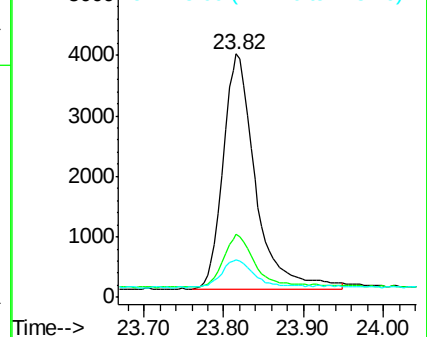
252 100

253 25.8 19.9 29.9

125 15.3 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: 0.251 ng

RT: 26.61 min Scan# 2711

Delta R.T. 0.04 min

Lab File: BE093872.D

Acq: 22 Aug 2017 12:54

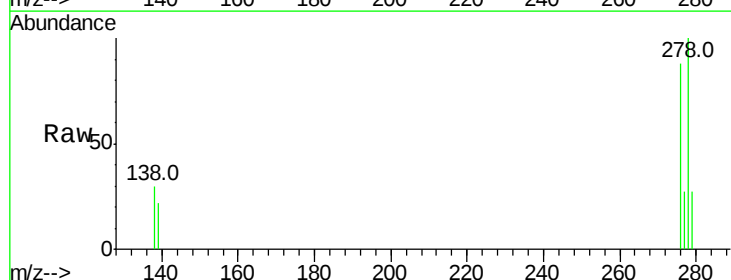
Tgt Ion:278 Resp: 8491

Ion Ratio Lower Upper

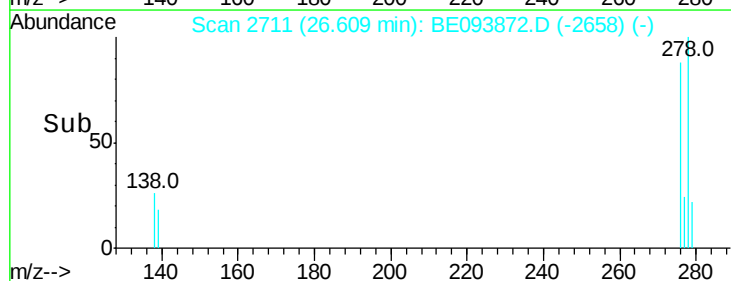
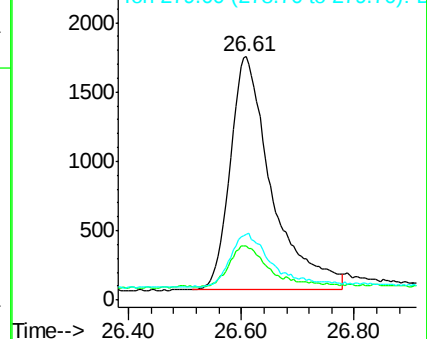
278 100

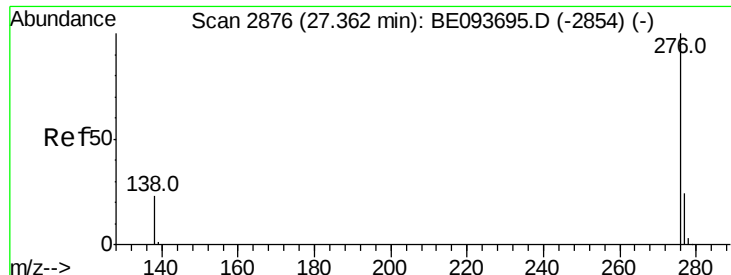
139 22.1 21.4 32.0

279 27.1 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: 0.267 ng

RT: 27.40 min Scan# 2885

Delta R.T. 0.04 min

Lab File: BE093872.D

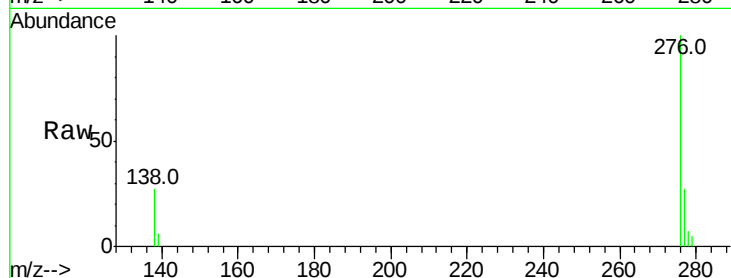
Acq: 22 Aug 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB101705BS



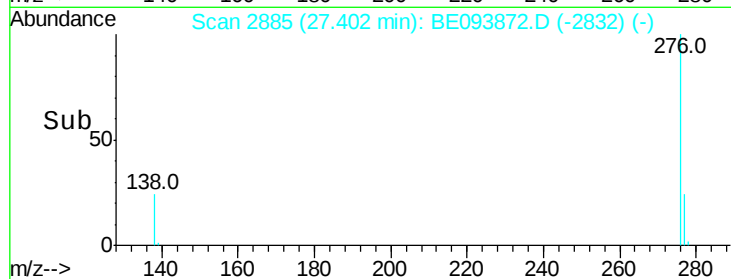
Tot Ion:276 Resp: 9081

Ion Ratio Lower Upper

276 100

277 27.3 21.2 31.8

138 27.3 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

