

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061818\
 Data File : BE096810.D
 Acq On : 18 Jun 2018 16:04
 Operator : SJ/JU
 Sample : PB110224BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB110224BSD

Quant Time: Jun 18 16:56:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 18 13:28:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3968	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16499	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6602	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	15151	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15210	0.40	ng	0.00
34) Perylene-d12	23.22	264	13943	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	2664	0.31	ng	0.00
5) Phenol-d6	6.59	99	3472	0.27	ng	0.00
8) Nitrobenzene-d5	8.53	82	2490	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	8022	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	242	0.22	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	8506	0.31	ng	0.00
25) Fluoranthene-d10	18.82	212	38097	0.26	ng	0.00
29) Terphenyl-d14	19.44	244	7959	0.23	ng	0.00

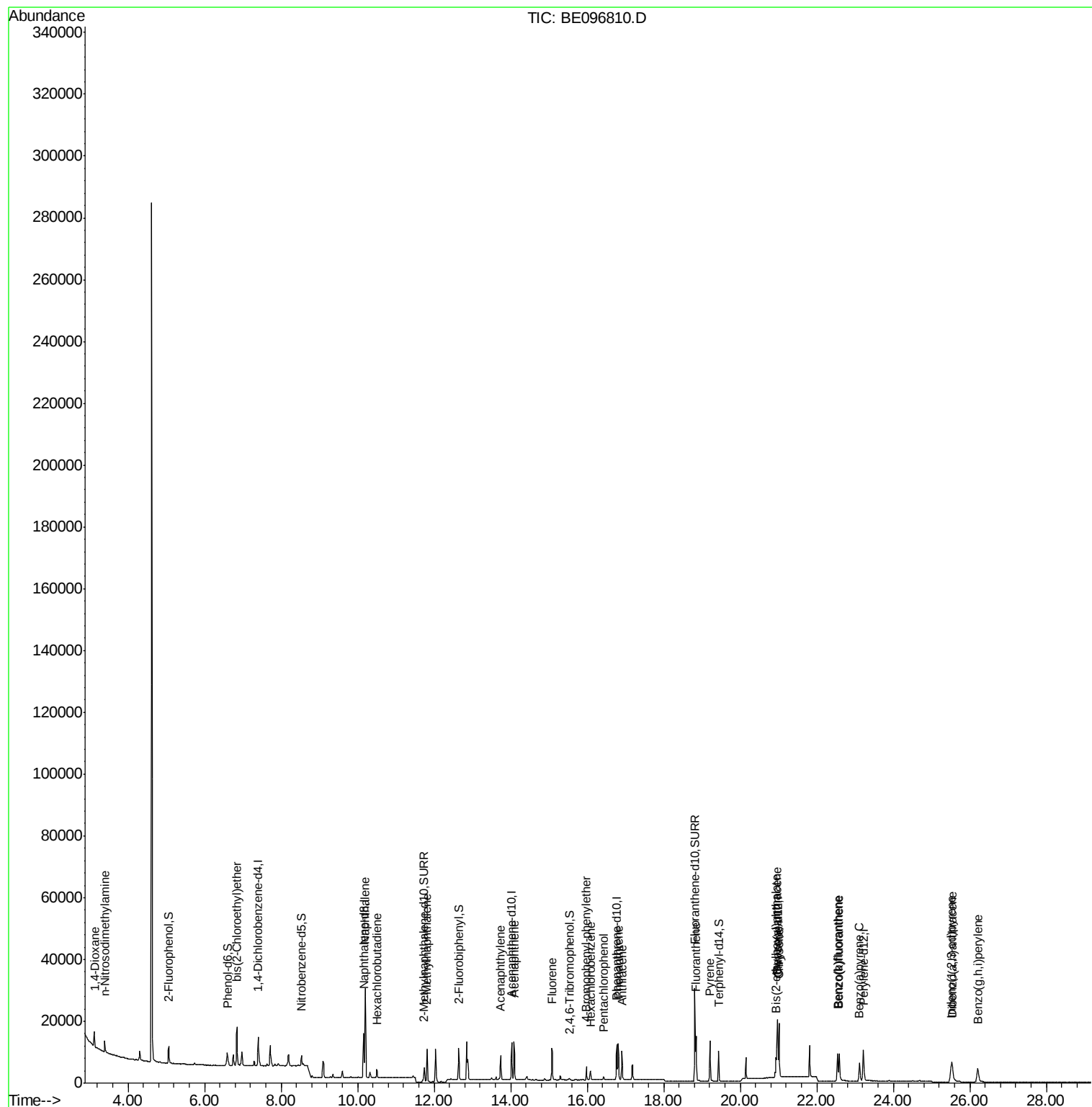
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	2609	0.406	ng	# 63
3) n-Nitrosodimethylamine	3.39	42	2213	0.327	ng	# 87
6) bis(2-Chloroethyl)ether	6.85	93	4199	0.274	ng	98
9) Naphthalene	10.20	128	49933	0.308	ng	99
10) Hexachlorobutadiene	10.50	225	1952	0.289	ng	97
12) 2-Methylnaphthalene	11.81	142	7435	0.273	ng	100
16) Acenaphthylene	13.74	152	8485	0.272	ng	100
17) Acenaphthene	14.08	154	5906	0.282	ng	93
18) Fluorene	15.07	166	6439	0.260	ng	# 80
20) 4-Bromophenyl-phenylether	15.98	248	1995	0.270	ng	# 84
21) Hexachlorobenzene	16.09	284	2454	0.283	ng	# 79
22) Pentachlorophenol	16.43	266	510	0.376	ng	# 76
23) Phenanthrene	16.81	178	11838	0.287	ng	98
24) Anthracene	16.90	178	9649	0.285	ng	95
26) Fluoranthene	18.84	202	12395	0.284	ng	99
28) Pyrene	19.21	202	11912	0.238	ng	98
30) Benzo(a)anthracene	20.97	228	10959	0.297	ng	97
31) Chrysene	21.02	228	14169	0.305	ng	100
32) Bis(2-ethylhexyl)phthalate	20.93	149	8409	0.304	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11316	0.325	ng	95
35) Benzo(b)fluoranthene	22.54	252	11874	0.310	ng	# 88
36) Benzo(k)fluoranthene	22.59	252	12933	0.284	ng	96
37) Benzo(a)pyrene	23.12	252	9522	0.286	ng	94
38) Dibenzo(a,h)anthracene	25.54	278	9419	0.315	ng	97
39) Benzo(g,h,i)perylene	26.21	276	10873	0.308	ng	# 92

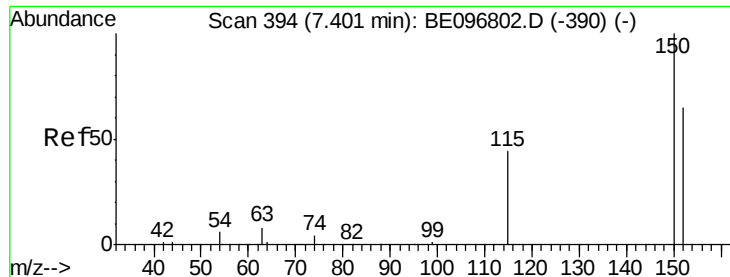
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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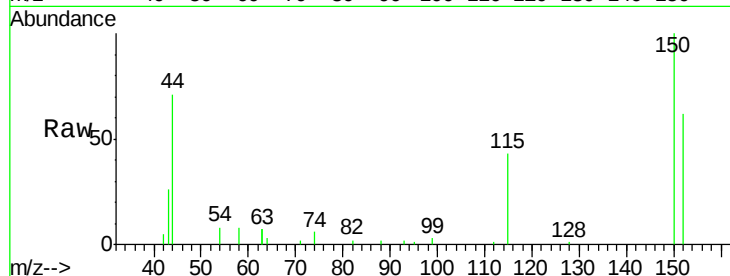


#1

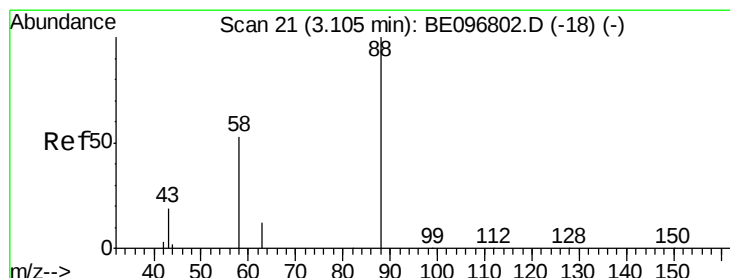
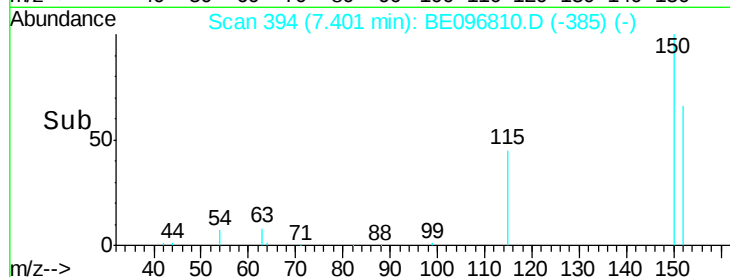
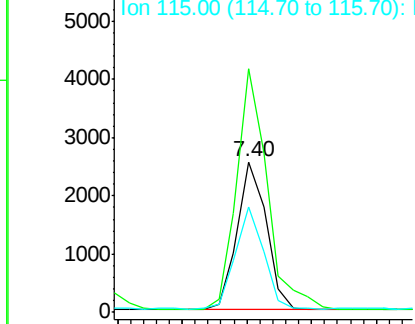
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096810.D
Acq: 18 Jun 2018 16:04

Instrument :
BNA_E
ClientSampleId :
PB110224BSD

Tgt Ion:152 Resp: 3968
Ion Ratio Lower Upper
152 100
150 162.0 117.2 175.8
115 70.0 57.0 85.6



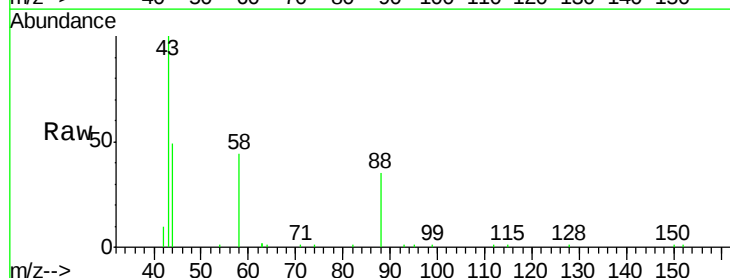
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



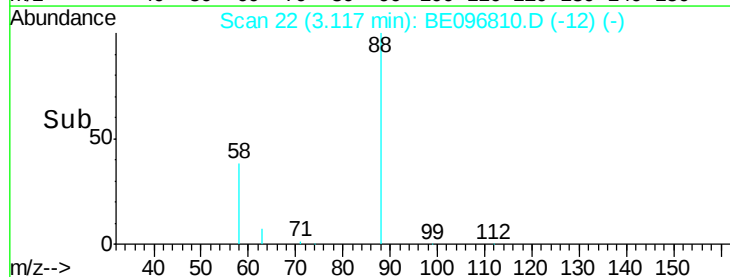
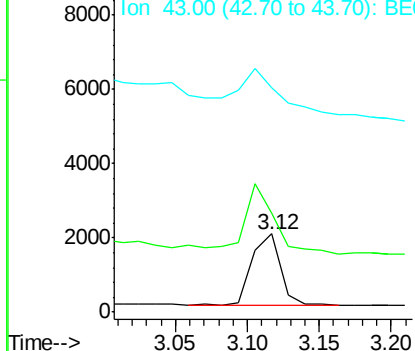
#2

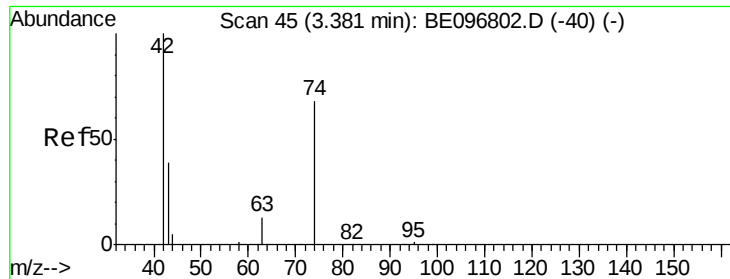
1,4-Dioxane
Concen: 0.406 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.01 min
Lab File: BE096810.D
Acq: 18 Jun 2018 16:04

Tgt Ion: 88 Resp: 2609
Ion Ratio Lower Upper
88 100
58 106.6 63.2 94.8#
43 82.6 41.2 61.8#



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: 0.327 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

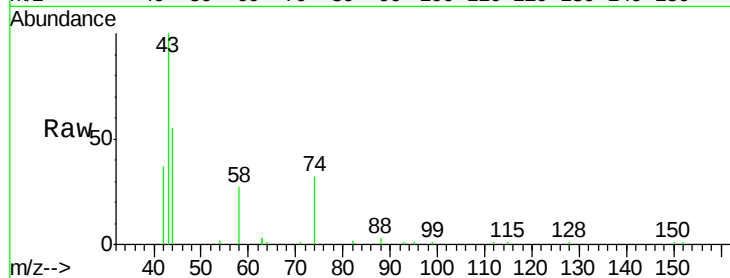
Tgt Ion: 42 Resp: 2213

Ion Ratio Lower Upper

42 100

74 105.2 96.0 144.0

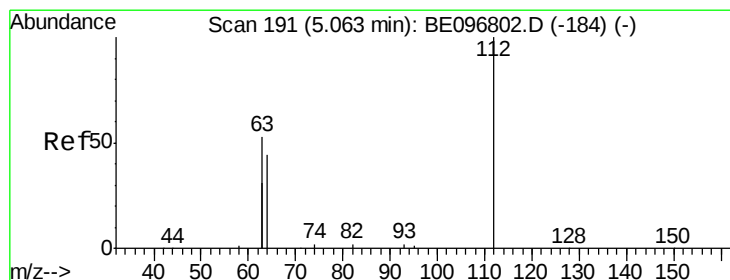
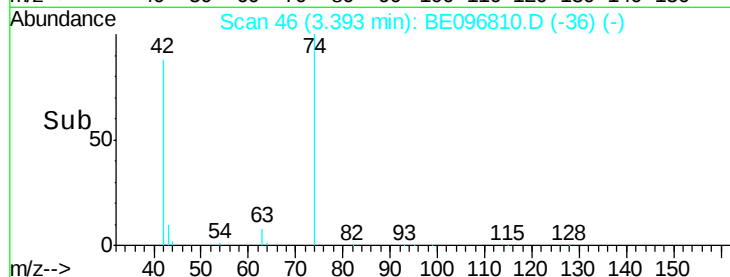
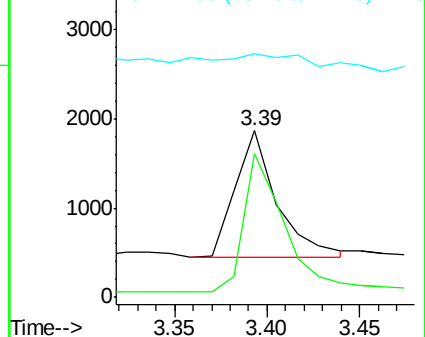
44 12.0 12.0 18.0#



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: 0.307 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

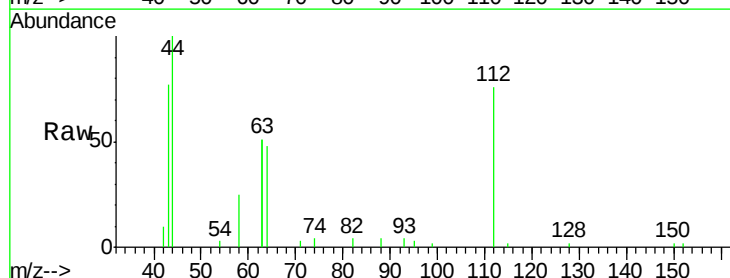
Tgt Ion: 112 Resp: 2664

Ion Ratio Lower Upper

112 100

64 71.4 60.1 90.1

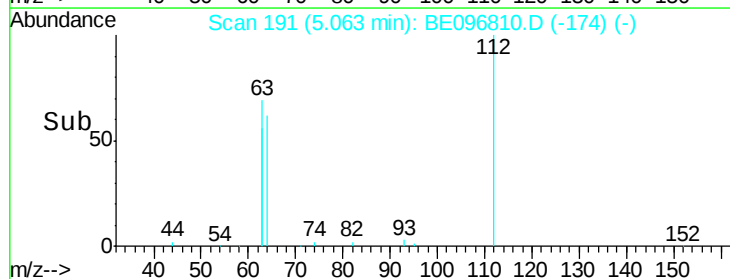
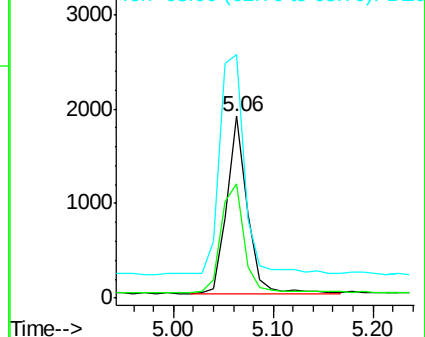
63 151.6 116.8 175.2

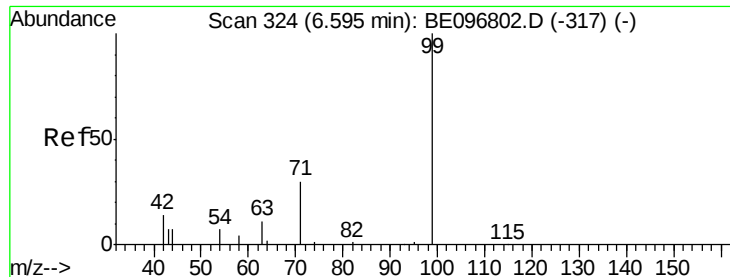


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.267 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

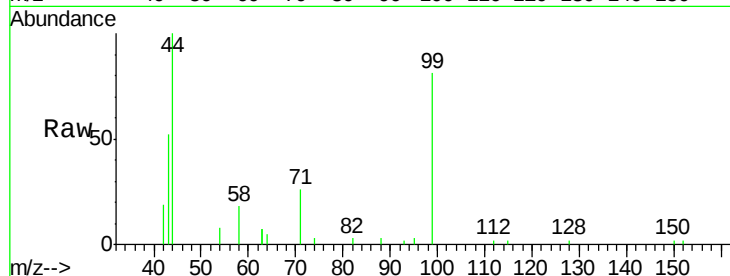
Tgt Ion: 99 Resp: 3472

Ion Ratio Lower Upper

99 100

42 27.0 20.2 30.2

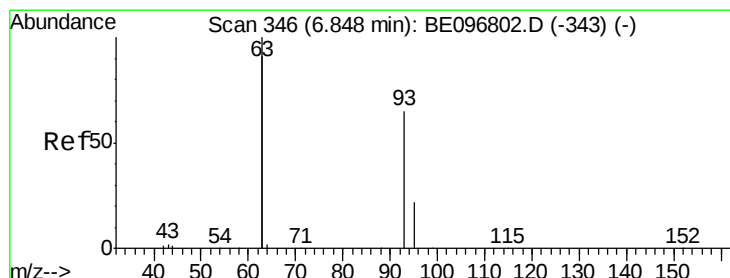
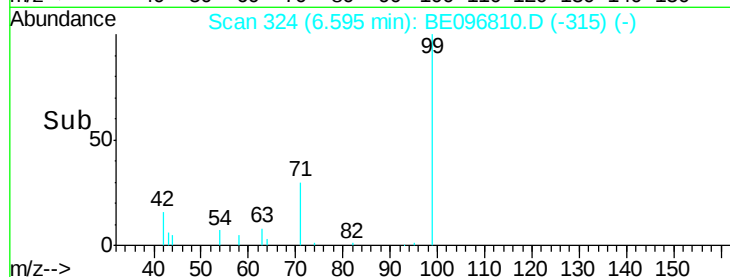
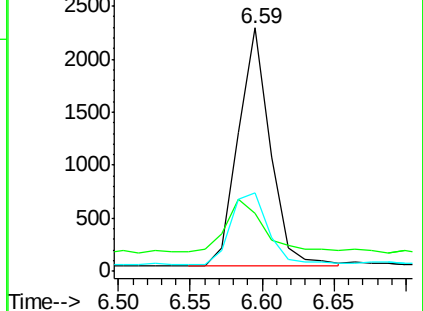
71 35.6 28.4 42.6



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: 0.274 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

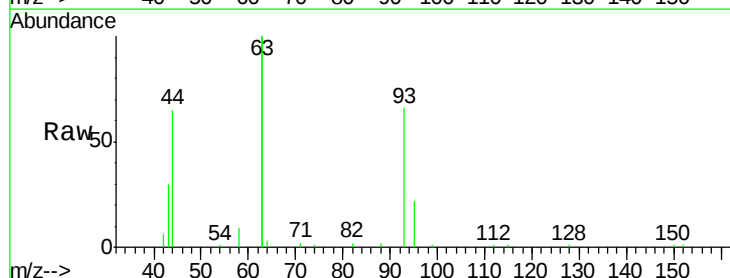
Tgt Ion: 93 Resp: 4199

Ion Ratio Lower Upper

93 100

63 340.8 275.3 412.9

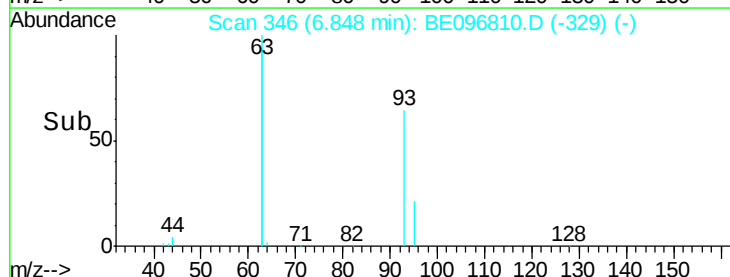
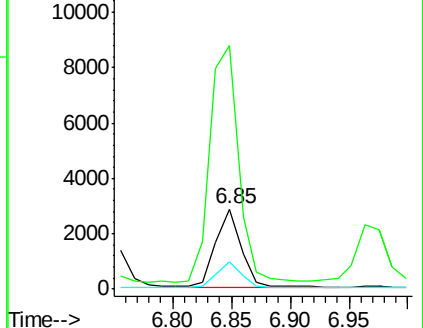
95 32.4 25.2 37.8

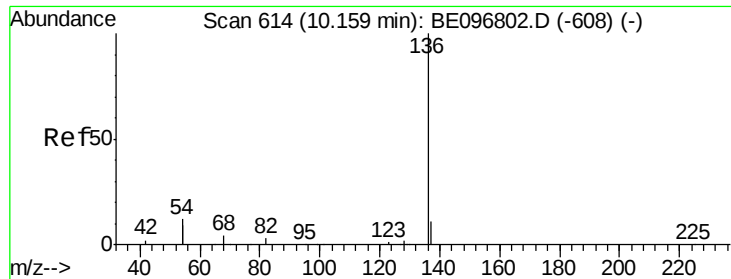


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.16 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

Tgt Ion:136 Resp: 16499

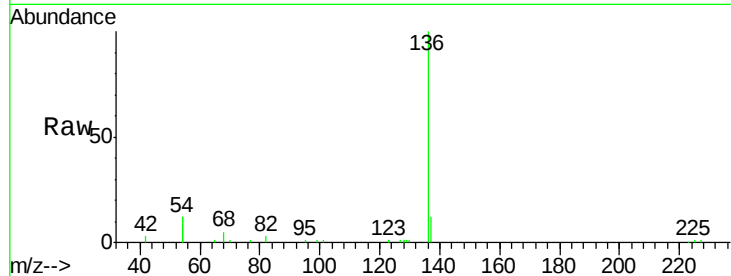
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 24.8 29.1 43.7#

68 5.4 6.2 9.2#

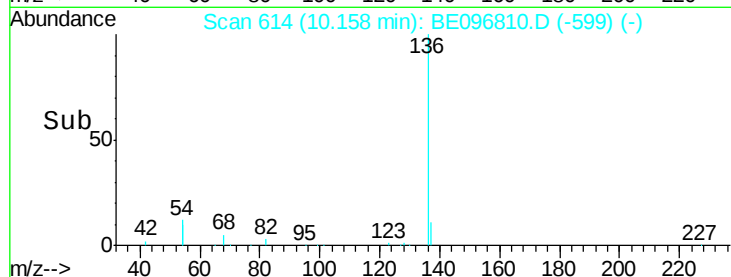


Abundance Ion 136.00 (135.70 to 136.70): E

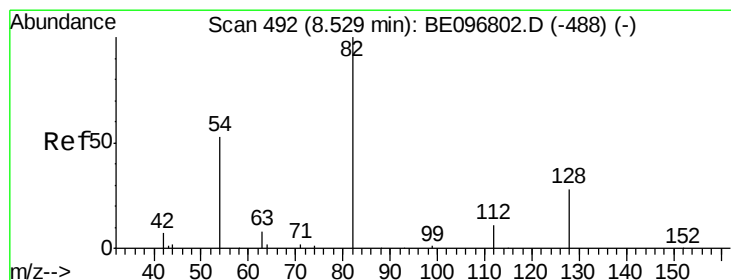
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.271 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

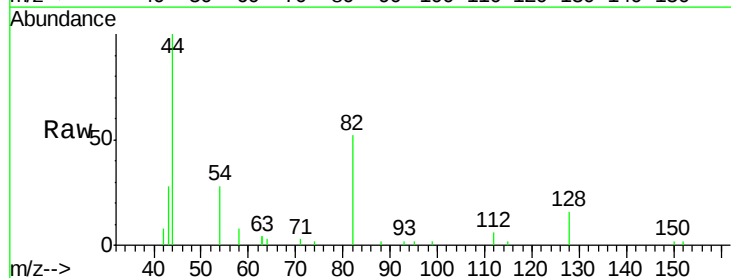
Tgt Ion: 82 Resp: 2490

Ion Ratio Lower Upper

82 100

128 30.9 24.0 36.0

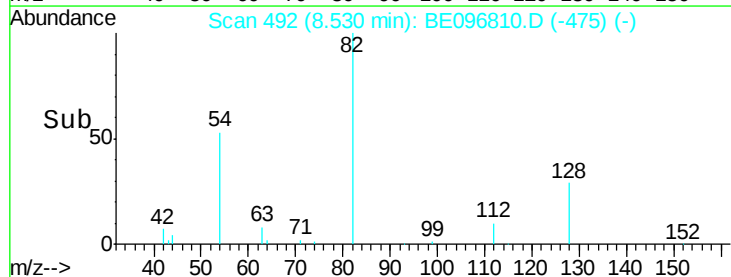
54 54.8 40.0 60.0



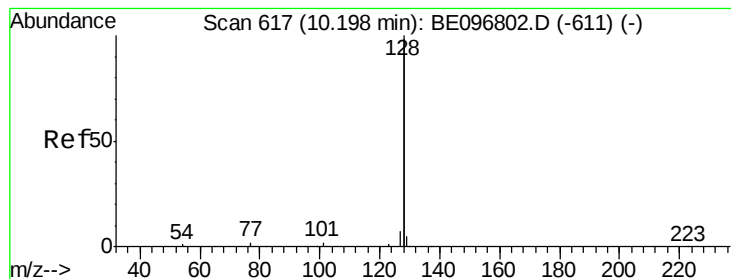
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.308 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE096810.D

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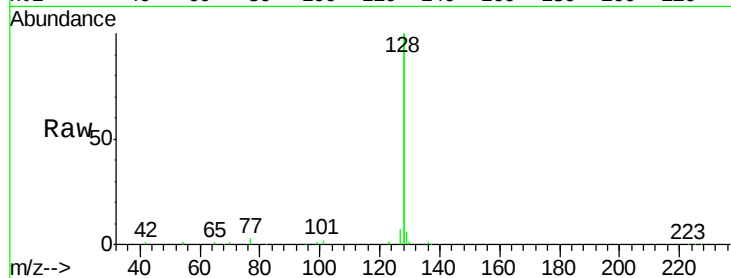
Tgt Ion:128 Resp: 49933

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

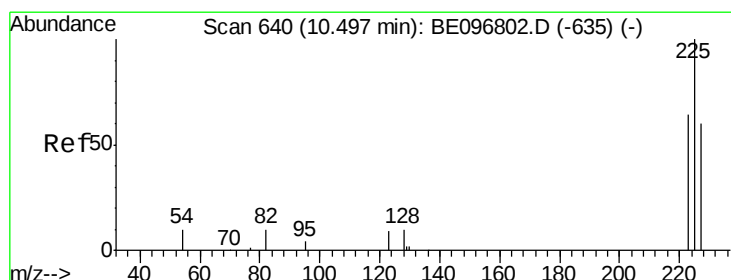
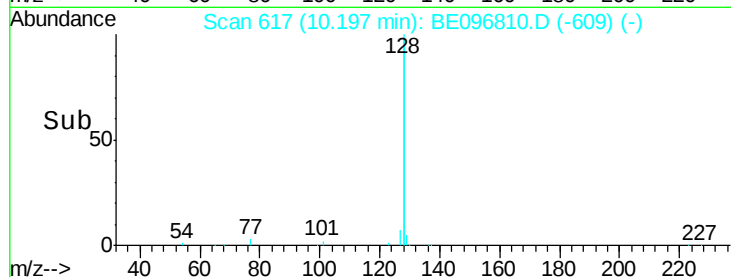
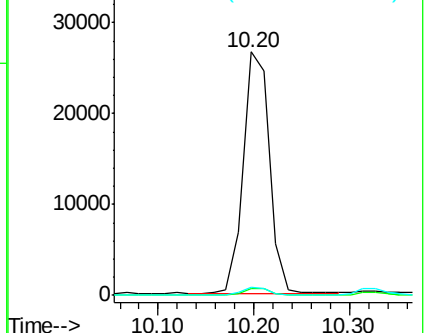
127 3.5 2.8 4.2



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: 0.289 ng

RT: 10.50 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

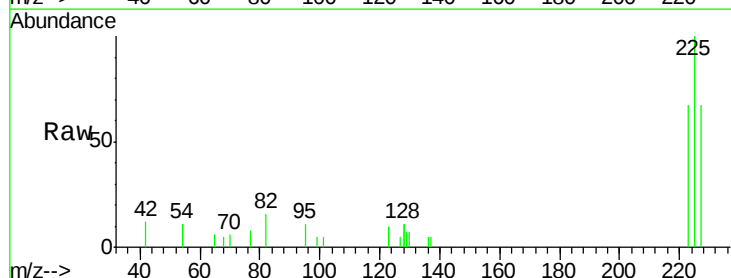
Tgt Ion:225 Resp: 1952

Ion Ratio Lower Upper

225 100

223 61.5 53.0 79.6

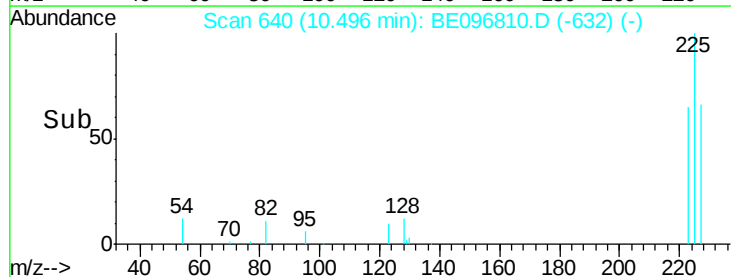
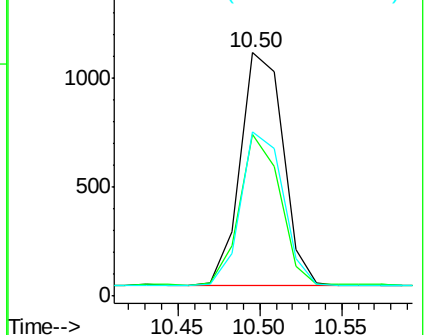
227 65.0 51.4 77.2

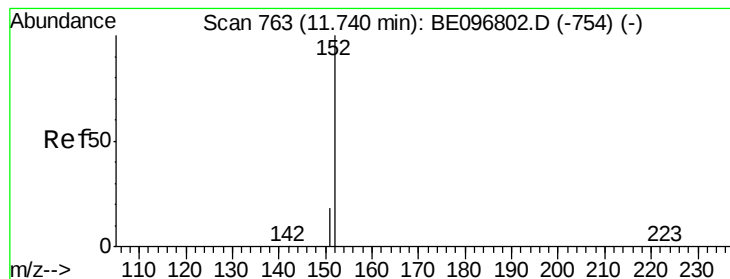


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.304 ng

RT: 11.74 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

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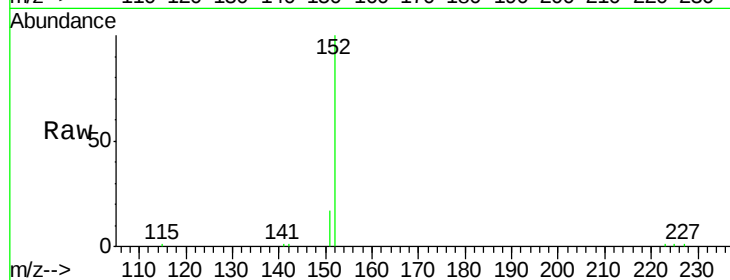
PB110224BSD

Tgt Ion:152 Resp: 8022

Ion Ratio Lower Upper

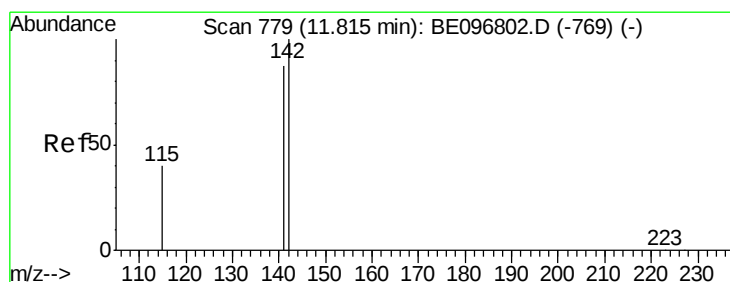
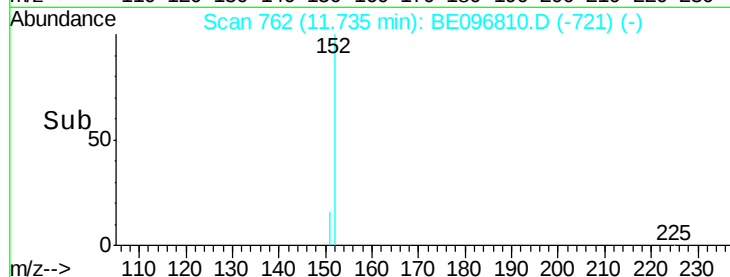
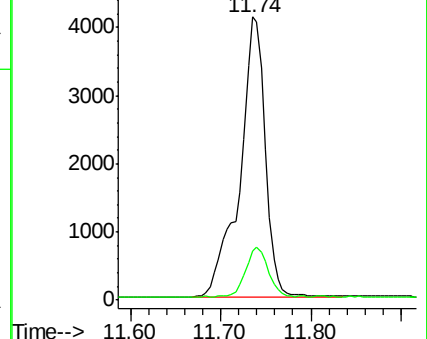
152 100

151 15.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.273 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

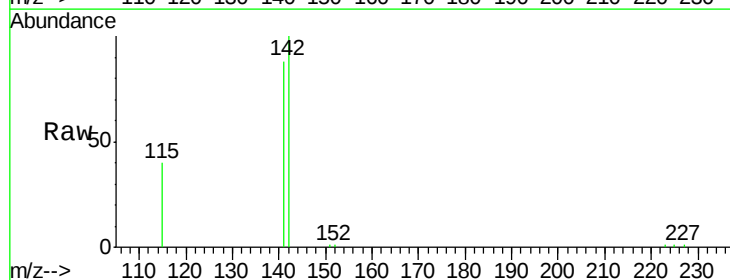
Tgt Ion:142 Resp: 7435

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

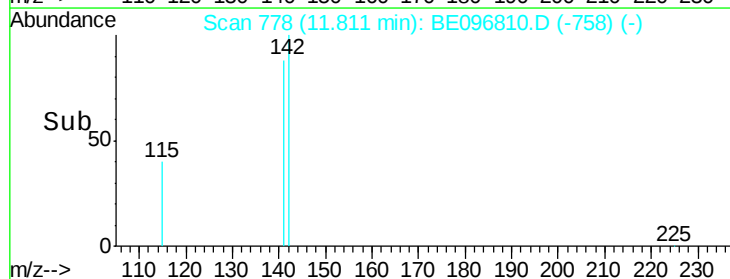
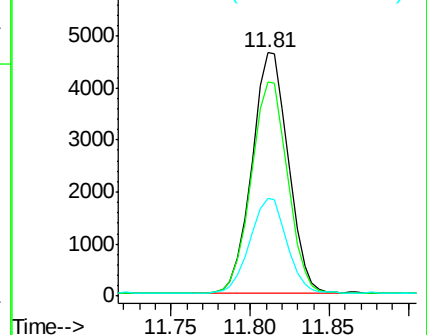
115 40.3 31.7 47.5

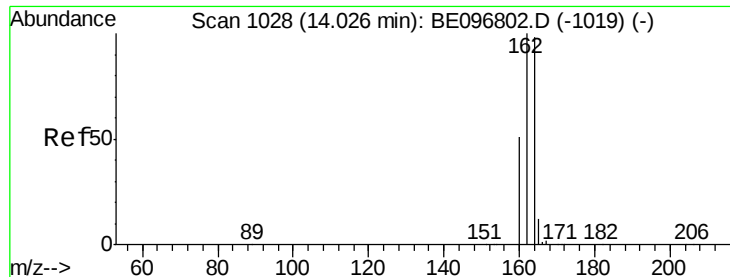


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.03 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

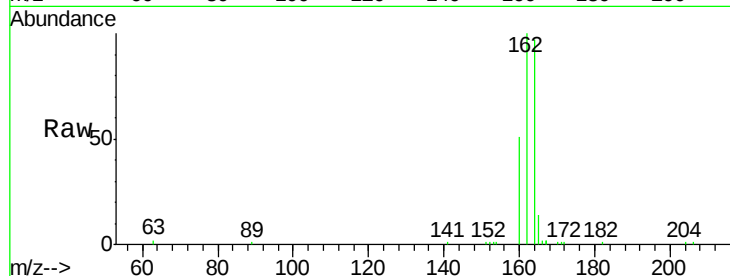
Tgt Ion:164 Resp: 6602

Ion Ratio Lower Upper

164 100

162 103.4 83.1 124.7

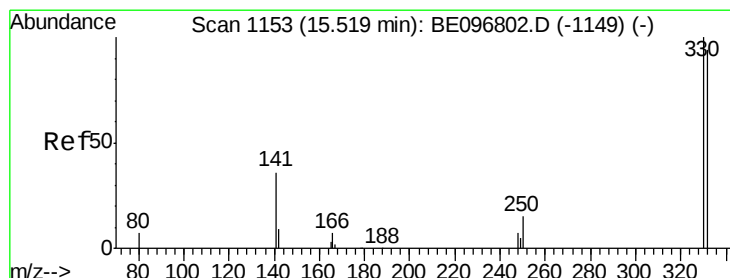
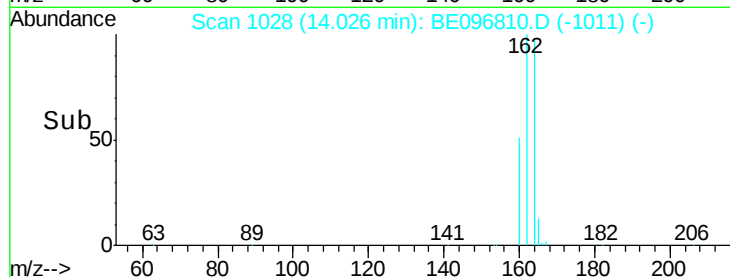
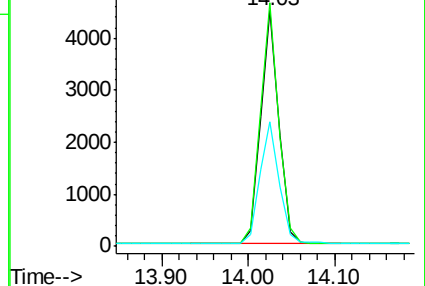
160 52.9 37.1 55.7



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: 0.220 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

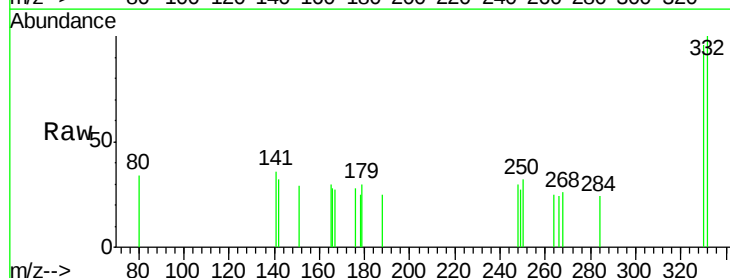
Tgt Ion:330 Resp: 242

Ion Ratio Lower Upper

330 100

332 101.2 152.7 229.1#

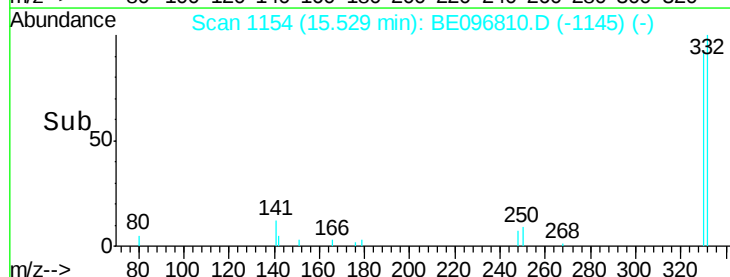
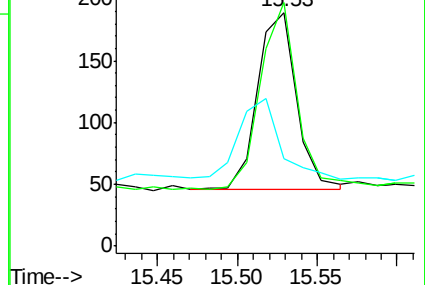
141 48.3 33.7 50.5

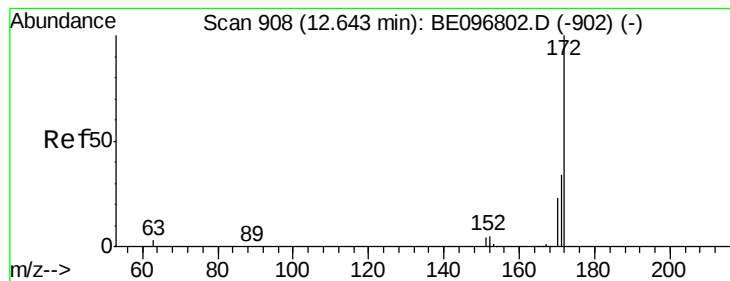


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.313 ng

RT: 12.64 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

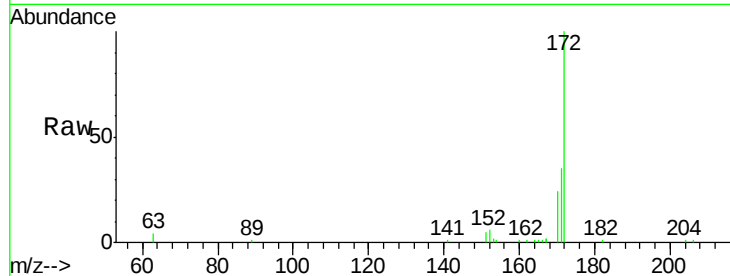
Tgt Ion:172 Resp: 8506

Ion Ratio Lower Upper

172 100

171 34.5 29.9 44.9

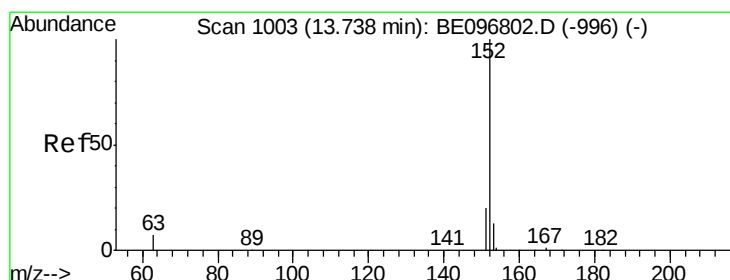
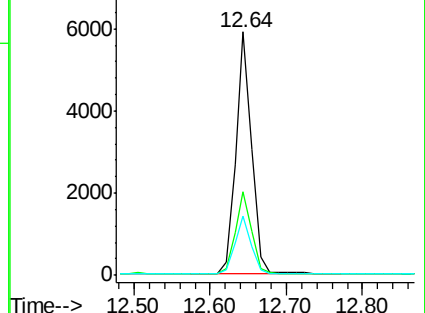
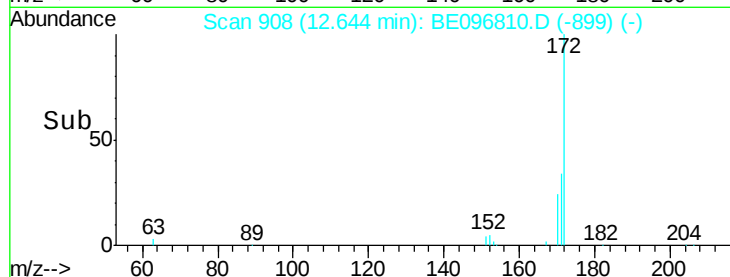
170 24.4 21.8 32.8



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: 0.272 ng

RT: 13.74 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

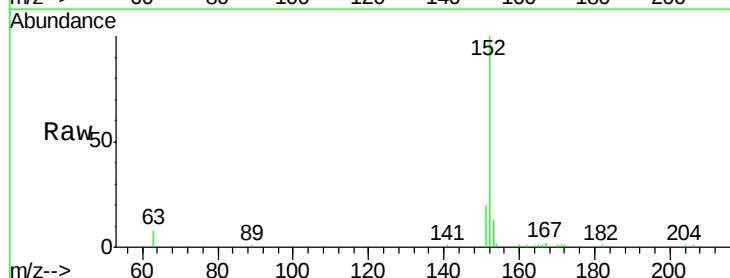
Tgt Ion:152 Resp: 8485

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

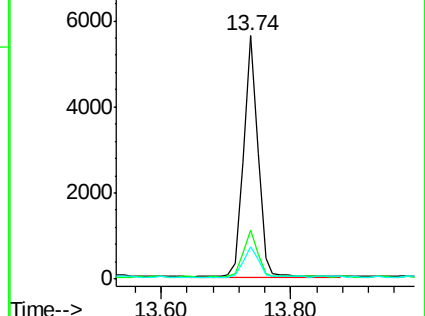
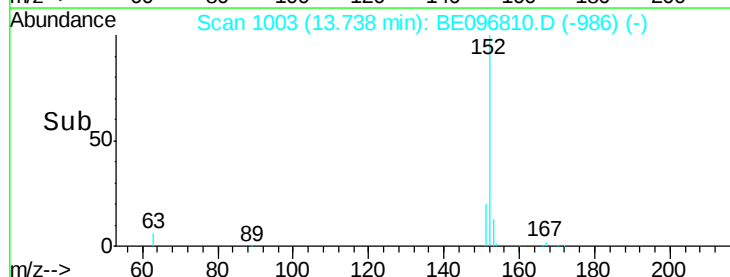
153 13.1 10.5 15.7

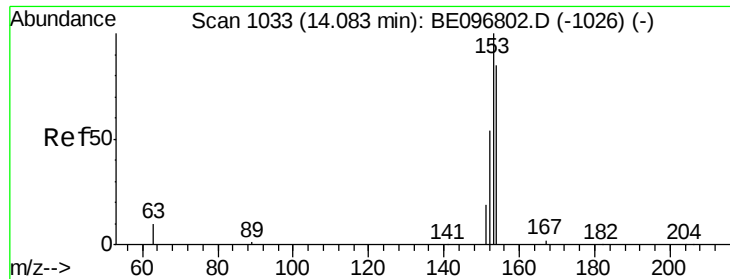


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.282 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

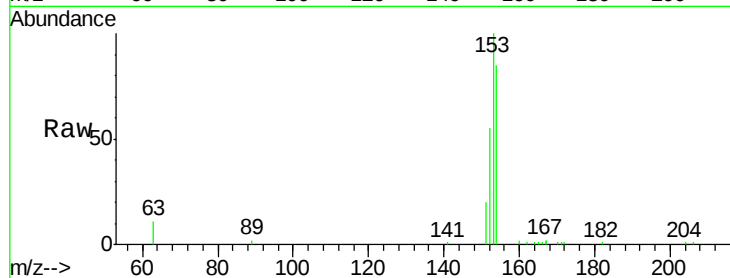
Tgt Ion:154 Resp: 5906

Ion Ratio Lower Upper

154 100

153 115.6 89.2 133.8

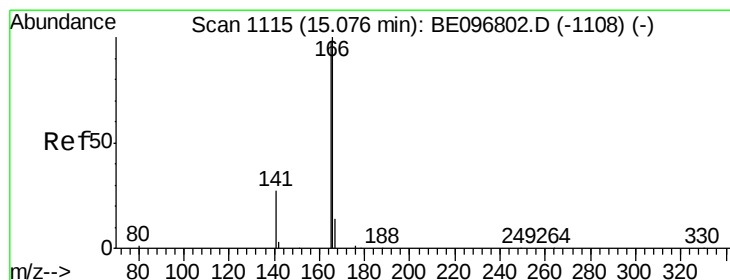
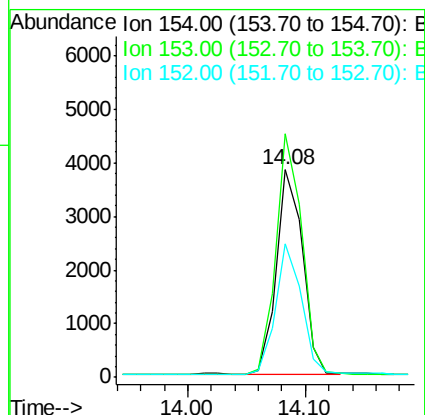
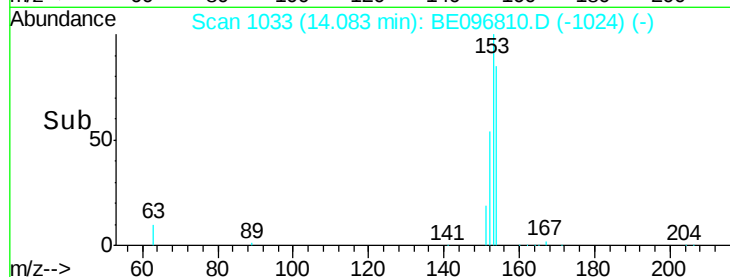
152 62.6 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.260 ng

RT: 15.07 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

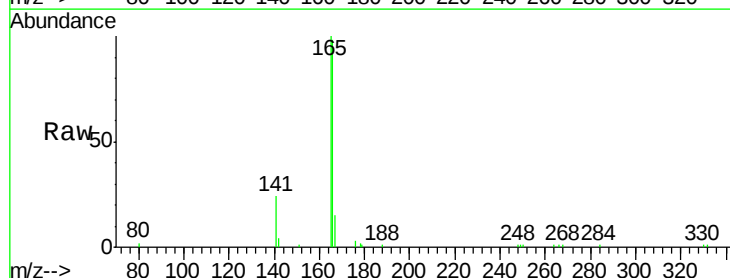
Tgt Ion:166 Resp: 6439

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

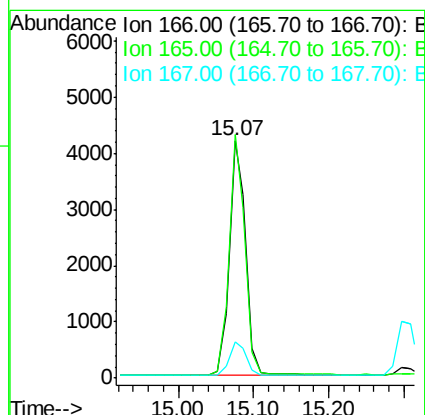
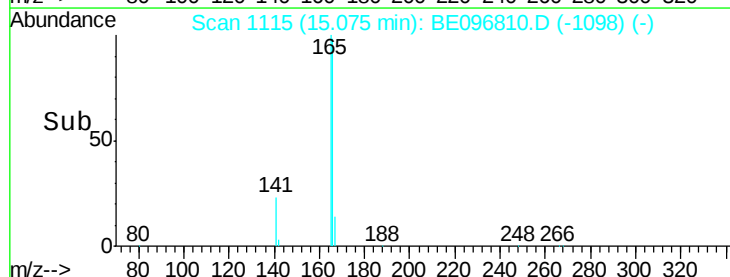
167 14.6 42.4 63.6#

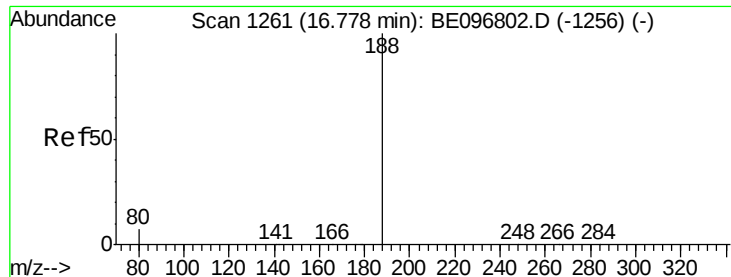


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

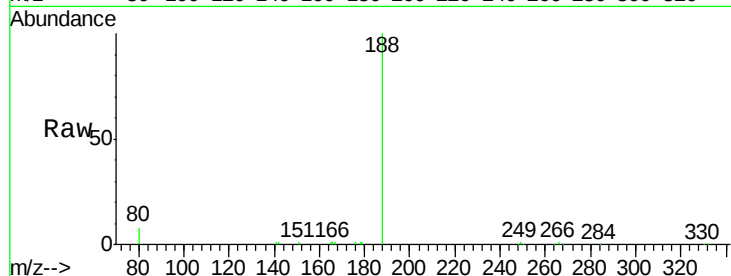
Tgt Ion:188 Resp: 15151

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

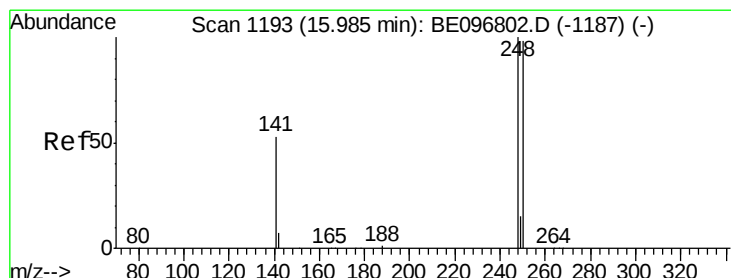
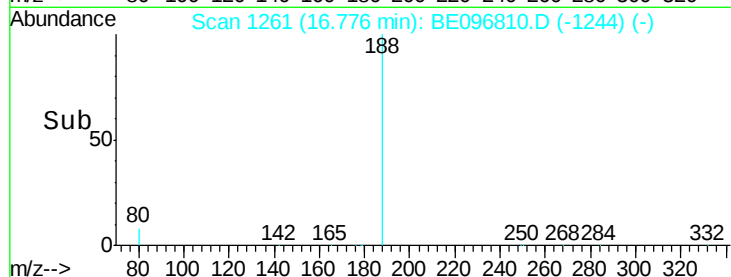
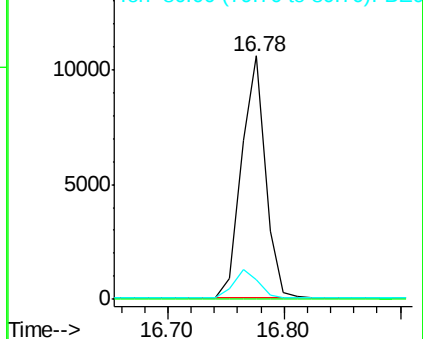
80 8.2 3.6 5.4#



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: 0.270 ng

RT: 15.98 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

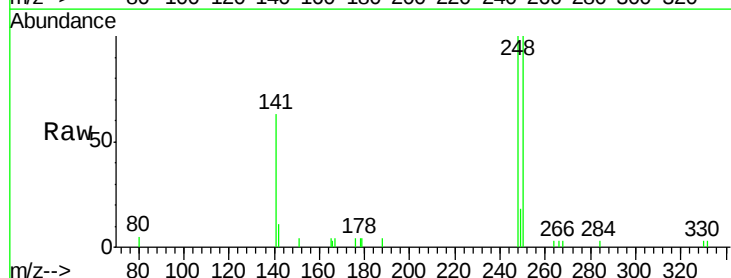
Tgt Ion:248 Resp: 1995

Ion Ratio Lower Upper

248 100

250 100.3 62.7 94.1#

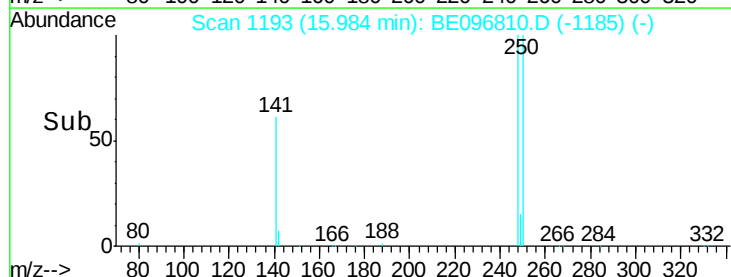
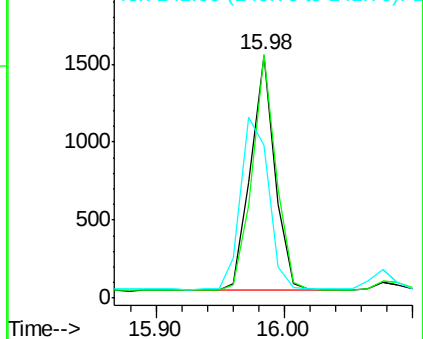
141 62.7 48.2 72.2

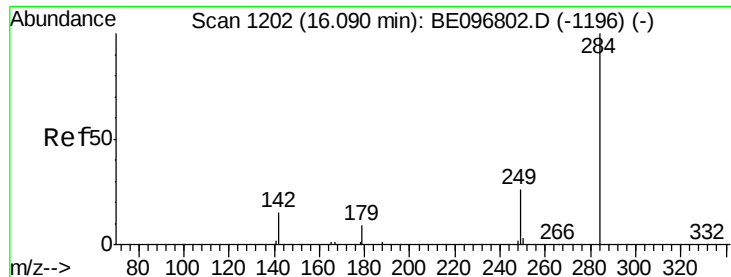


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.283 ng

RT: 16.09 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

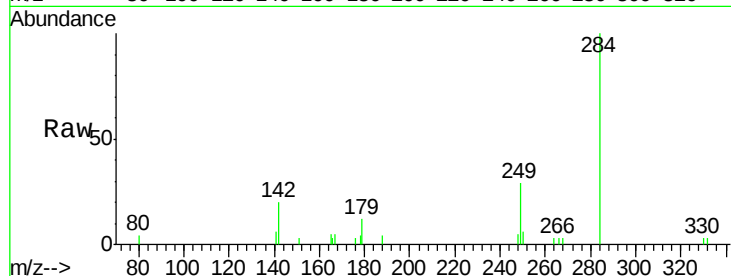
Tgt Ion:284 Resp: 2454

Ion Ratio Lower Upper

284 100

142 42.2 22.1 33.1#

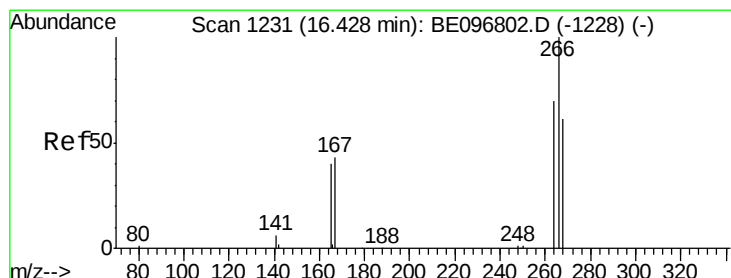
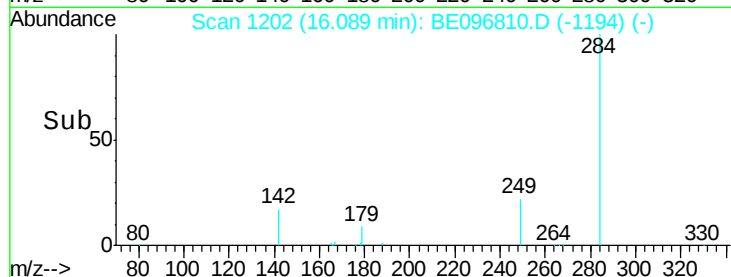
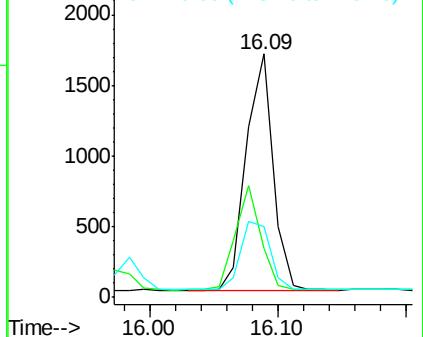
249 32.4 34.8 52.2#



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: 0.376 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

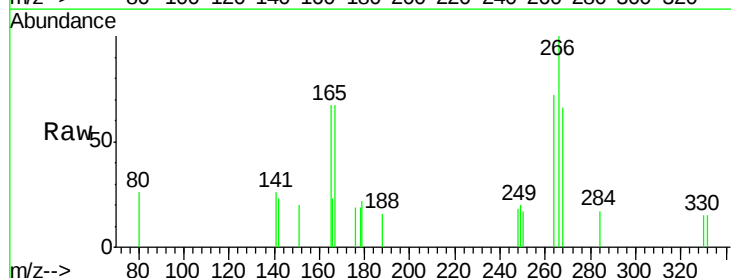
Tgt Ion:266 Resp: 510

Ion Ratio Lower Upper

266 100

264 71.7 72.5 108.7#

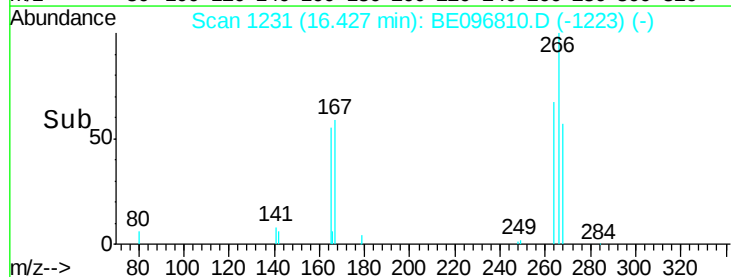
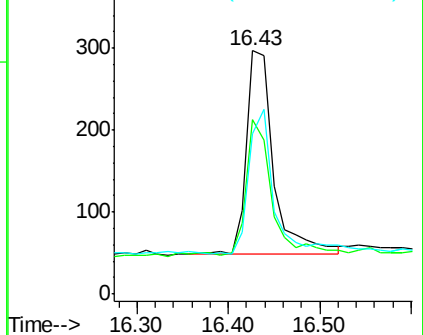
268 65.7 73.8 110.6#

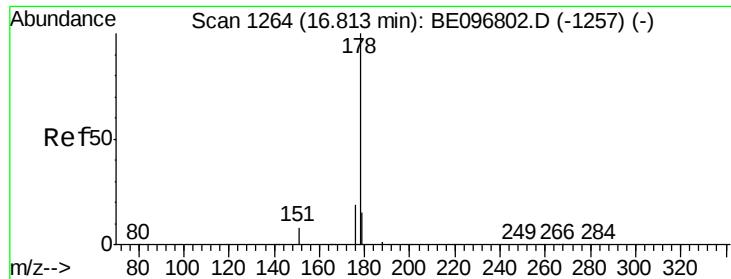


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.287 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

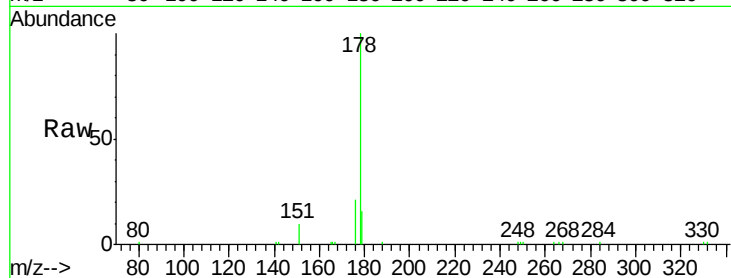
Tgt Ion:178 Resp: 11838

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

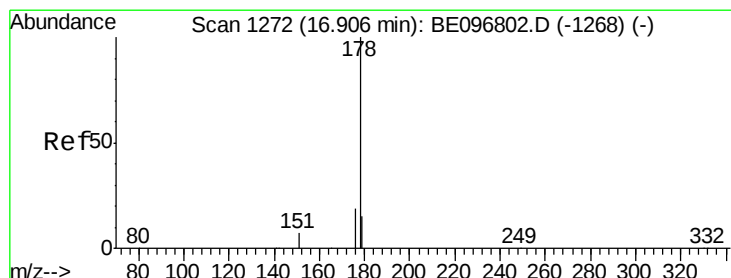
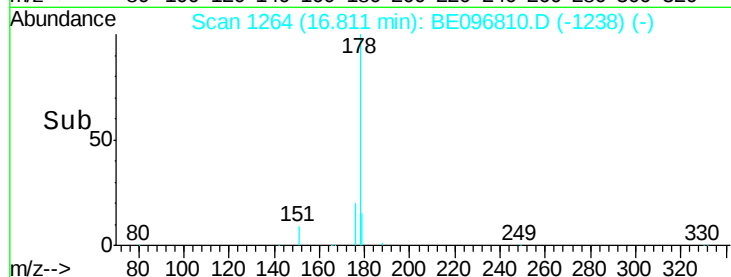
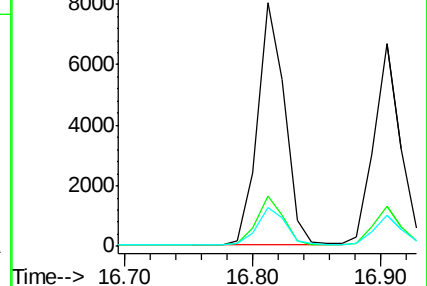
179 15.4 11.8 17.6



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: 0.285 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

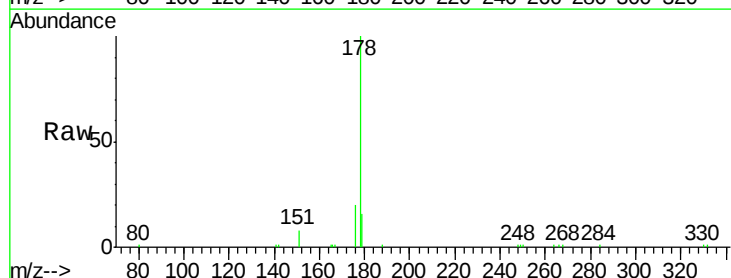
Tgt Ion:178 Resp: 9649

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

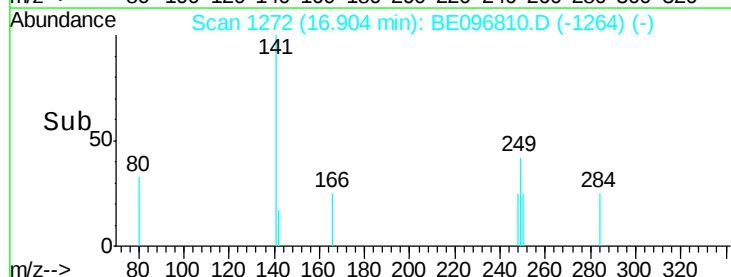
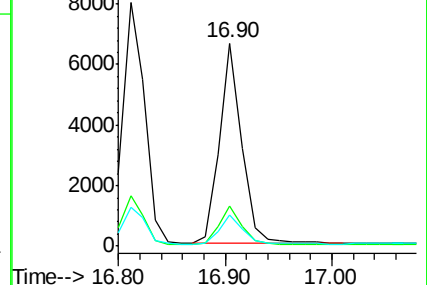
179 14.8 13.0 19.6

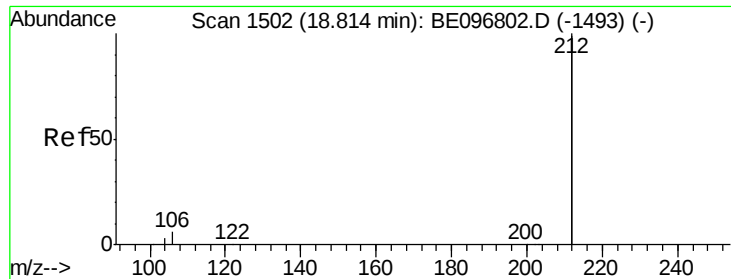


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.257 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

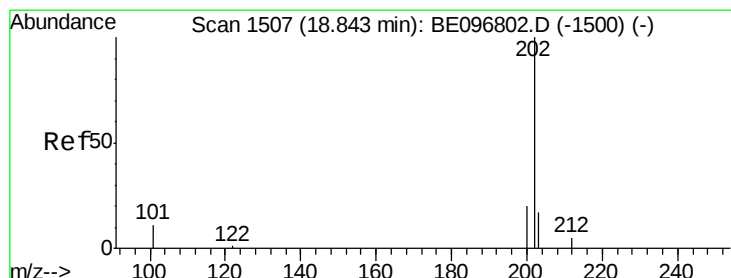
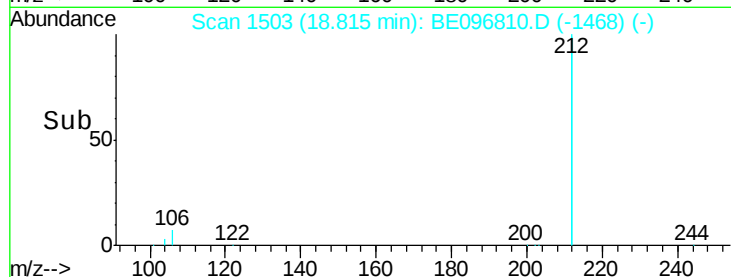
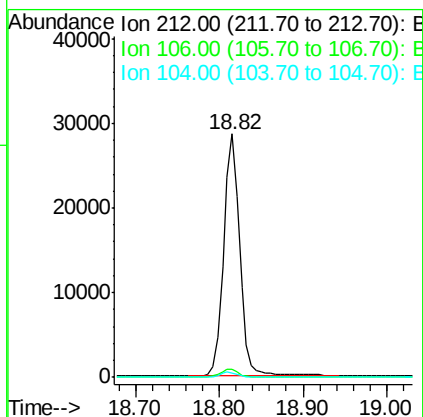
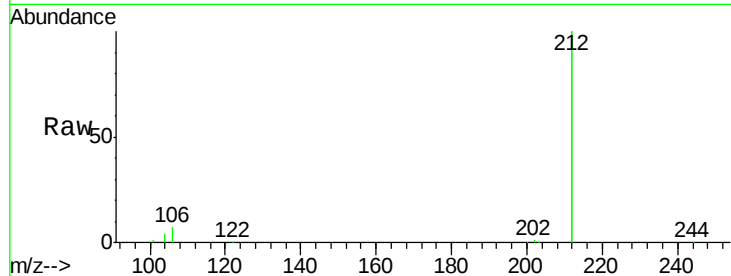
Instrument :

BNA_E

ClientSampleId :

PB110224BSD

Tgt Ion:	212	Resp:	38097
Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4



#26

Fluoranthene

Concen: 0.284 ng

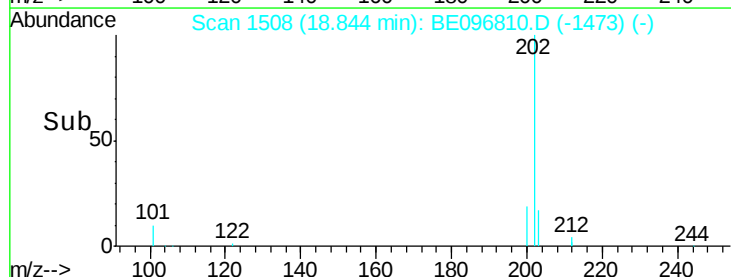
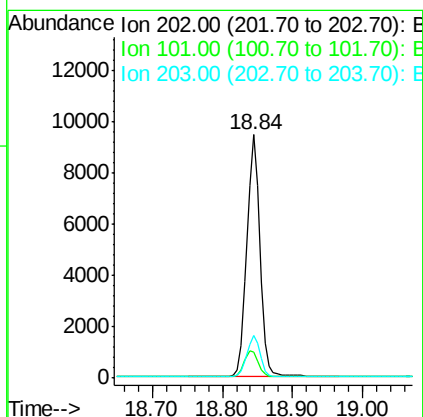
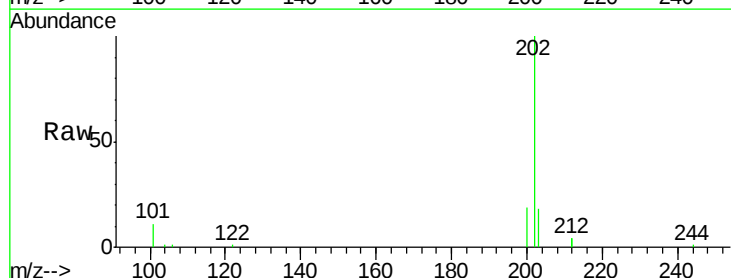
RT: 18.84 min Scan# 1508

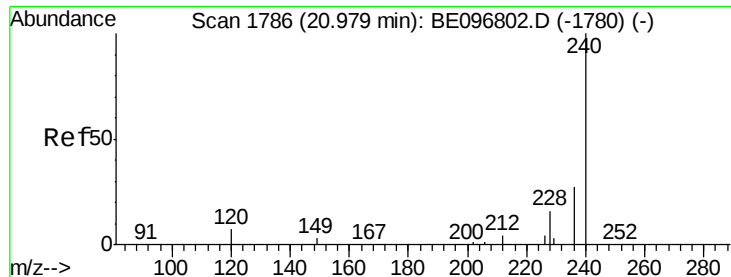
Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Tgt Ion:	202	Resp:	12395
Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	16.8	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

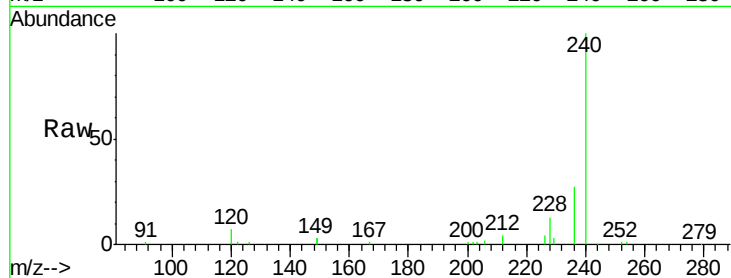
Tgt Ion:240 Resp: 15210

Ion Ratio Lower Upper

240 100

120 7.4 5.5 8.3

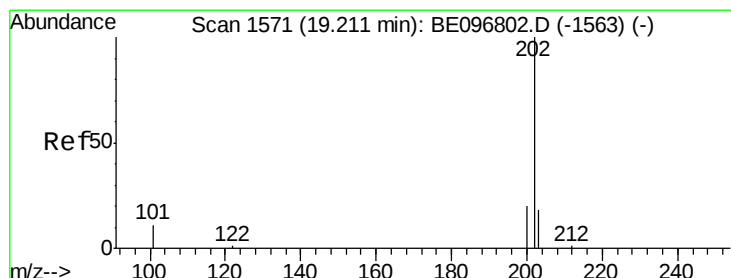
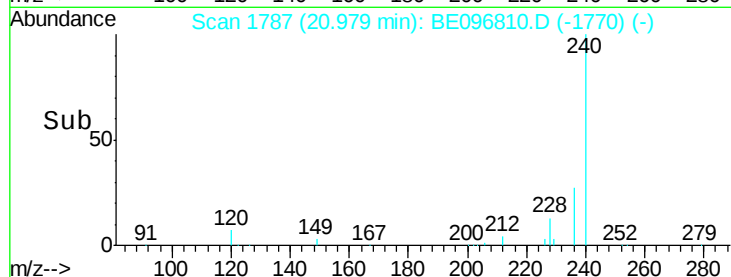
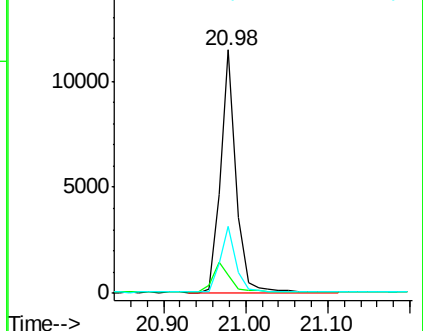
236 27.4 20.7 31.1



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: 0.238 ng

RT: 19.21 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

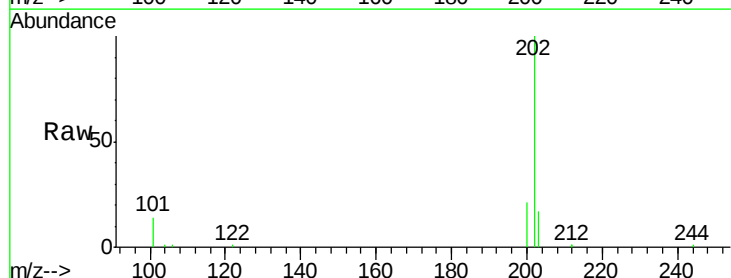
Tgt Ion:202 Resp: 11912

Ion Ratio Lower Upper

202 100

200 19.5 16.6 25.0

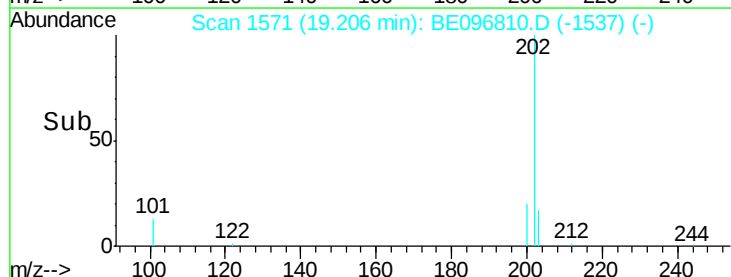
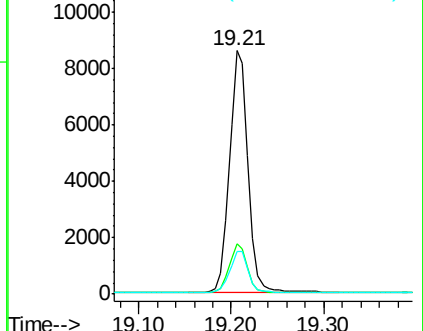
203 17.3 13.8 20.8

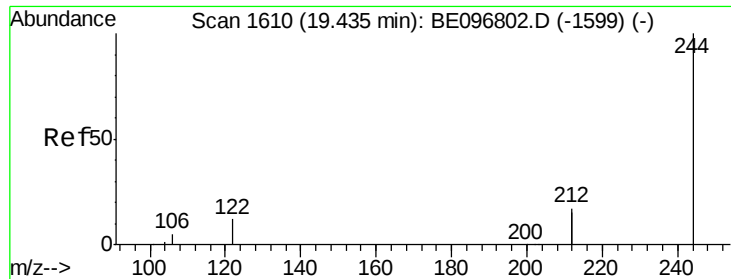


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.231 ng

RT: 19.44 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

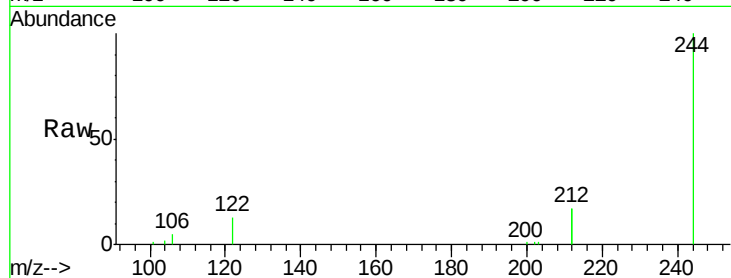
Tgt Ion:244 Resp: 7959

Ion Ratio Lower Upper

244 100

212 34.6 25.4 38.0

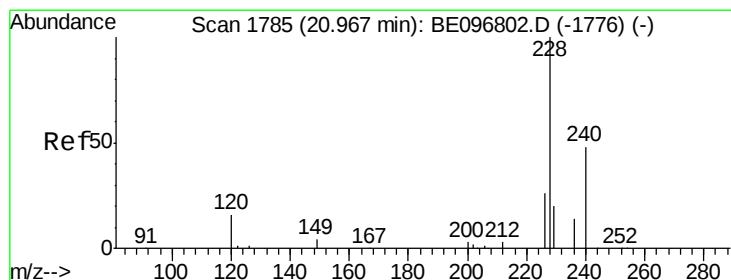
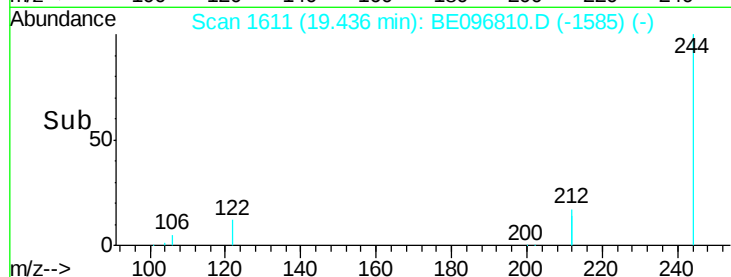
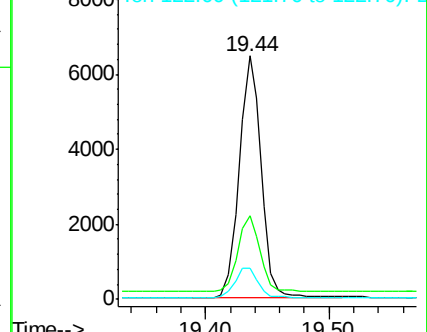
122 12.7 8.1 12.1#



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: 0.297 ng

RT: 20.97 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

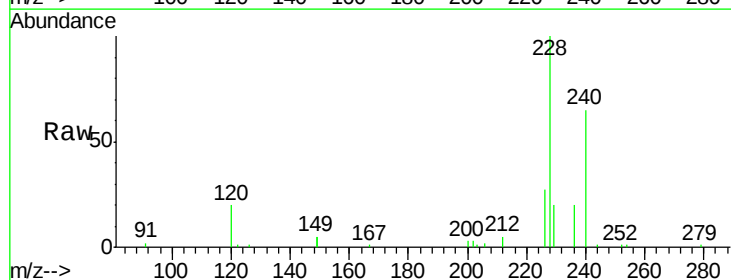
Tgt Ion:228 Resp: 10959

Ion Ratio Lower Upper

228 100

226 27.1 24.0 36.0

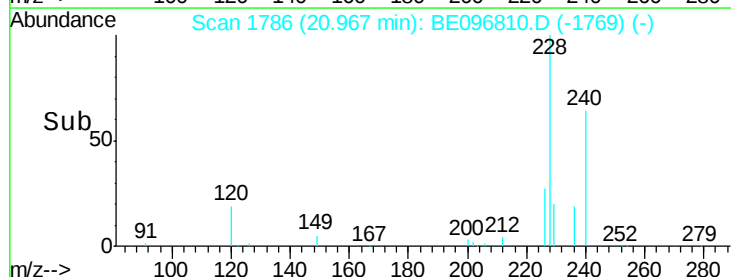
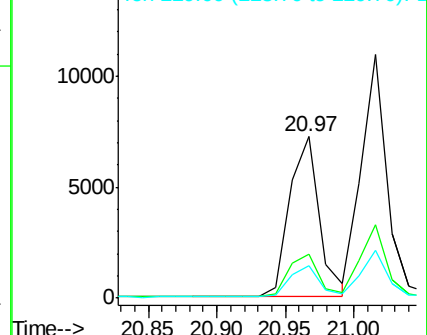
229 20.1 16.0 24.0

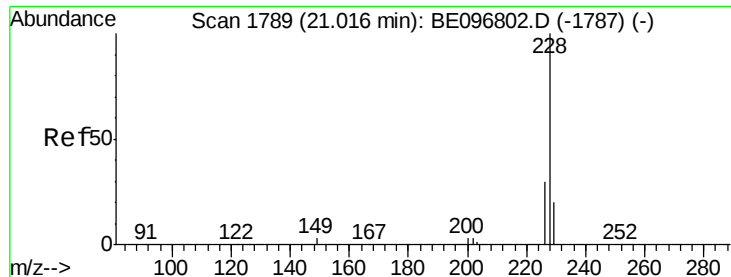


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.305 ng

RT: 21.02 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

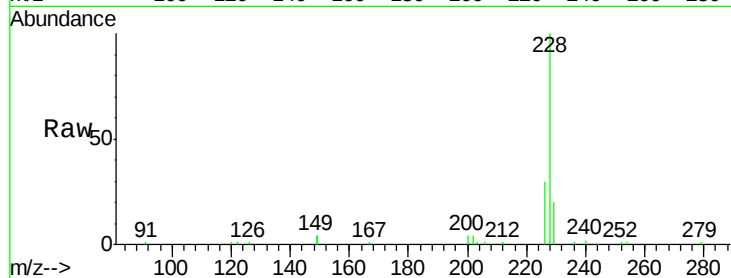
Tgt Ion:228 Resp: 14169

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

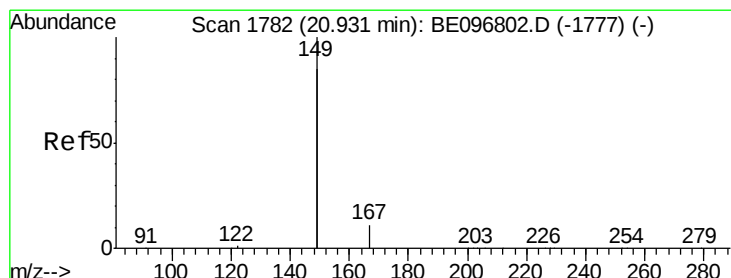
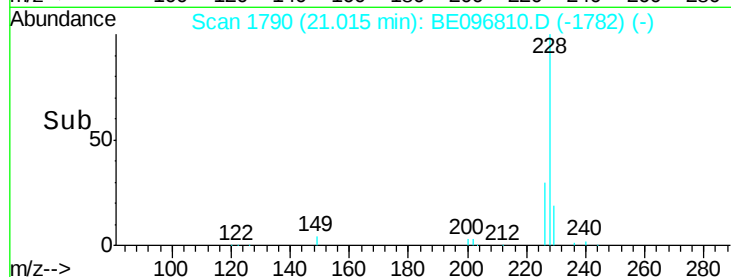
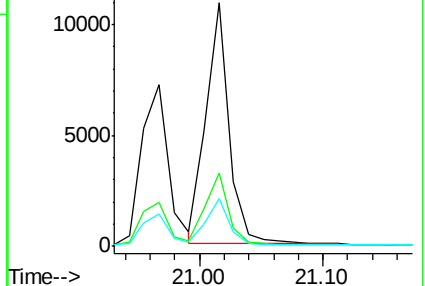
229 19.6 16.0 24.0



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: 0.304 ng

RT: 20.93 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

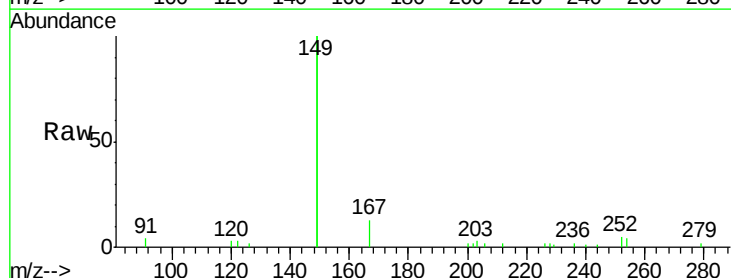
Tgt Ion:149 Resp: 8409

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

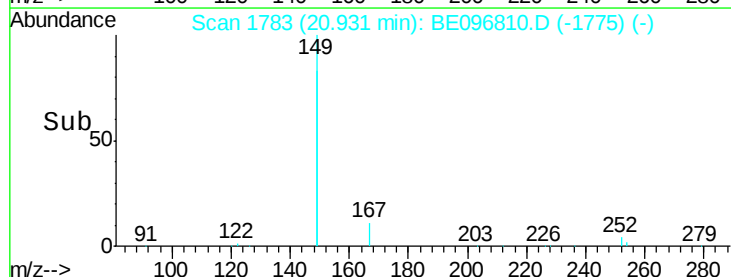
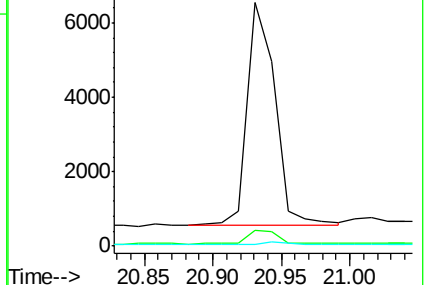
279 1.0 0.7 1.1

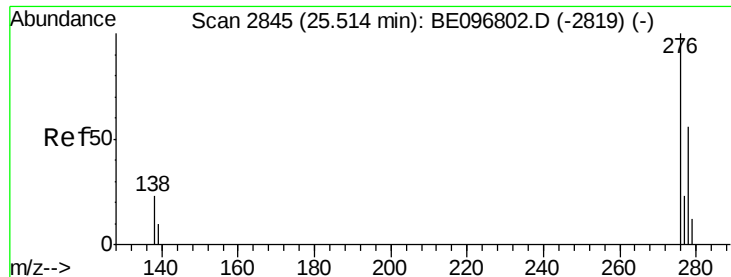


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.325 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

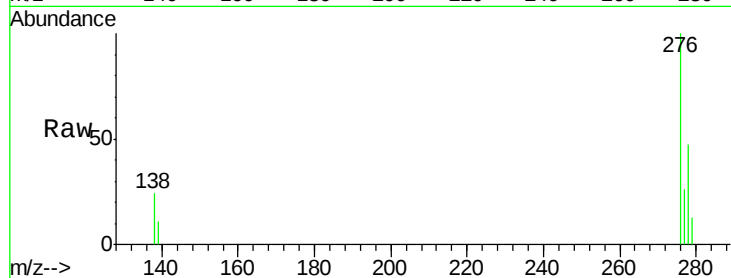
Tgt Ion:276 Resp: 11316

Ion Ratio Lower Upper

276 100

138 22.9 22.5 33.7

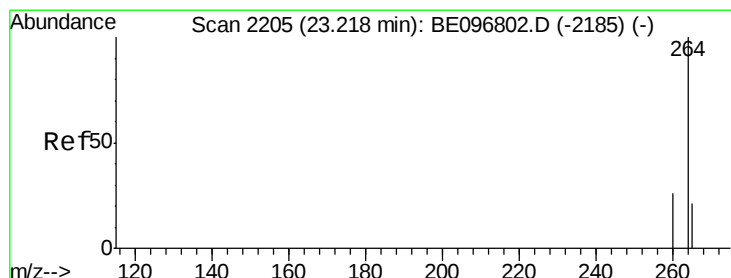
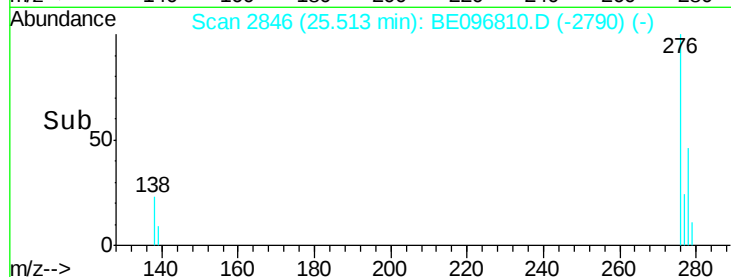
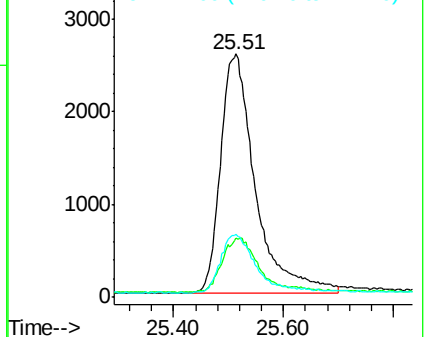
277 24.7 19.9 29.9



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: 23.22 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

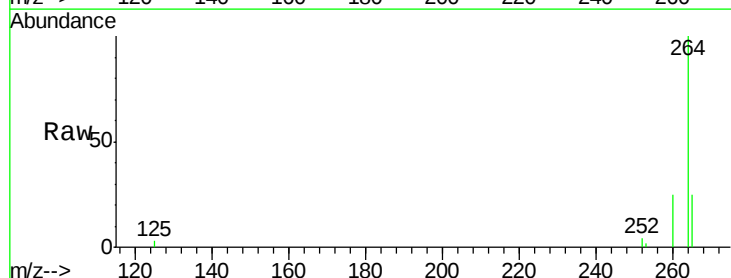
Tgt Ion:264 Resp: 13943

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

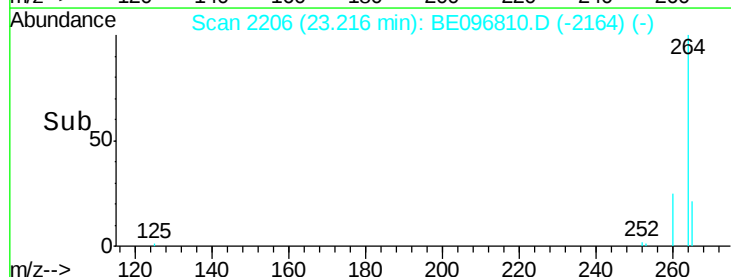
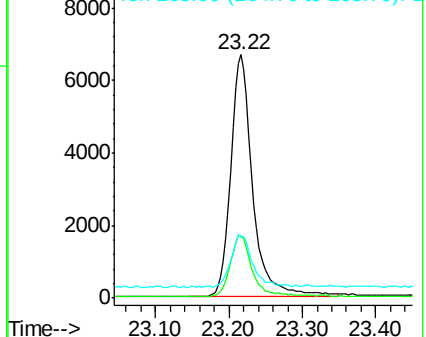
265 25.3 22.8 34.2

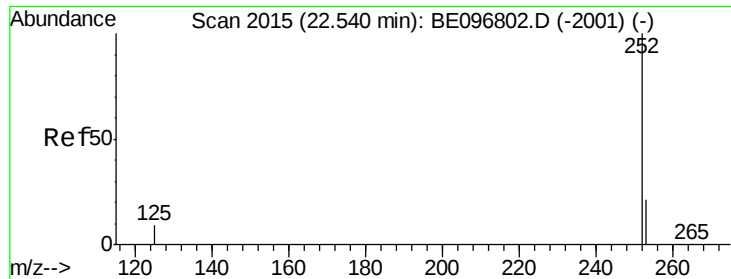


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.310 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

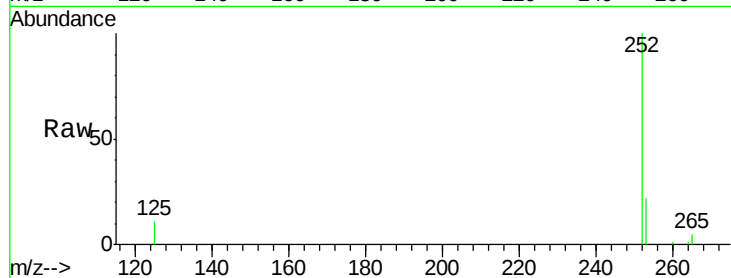
Tgt Ion:252 Resp: 11874

Ion Ratio Lower Upper

252 100

253 22.3 20.0 30.0

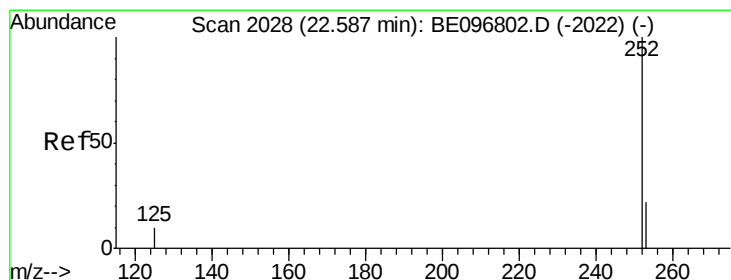
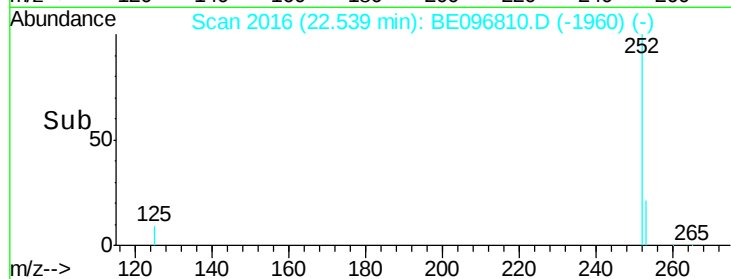
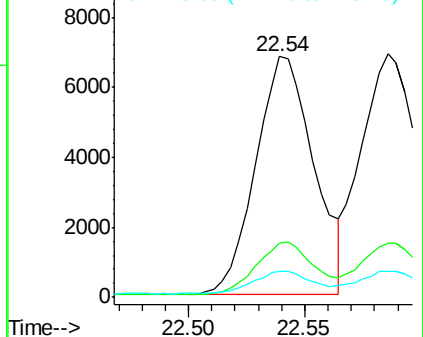
125 10.8 16.0 24.0#



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: 0.284 ng

RT: 22.59 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

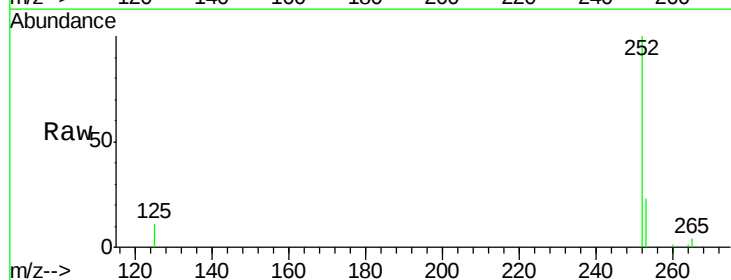
Tgt Ion:252 Resp: 12933

Ion Ratio Lower Upper

252 100

253 22.5 16.0 24.0

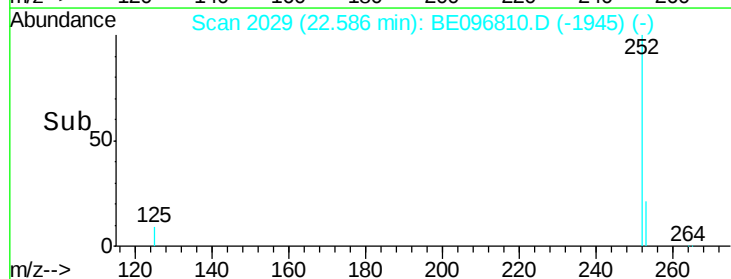
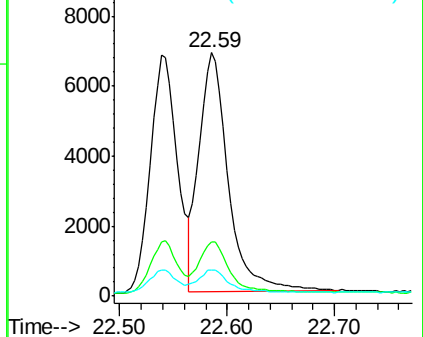
125 10.6 8.0 12.0

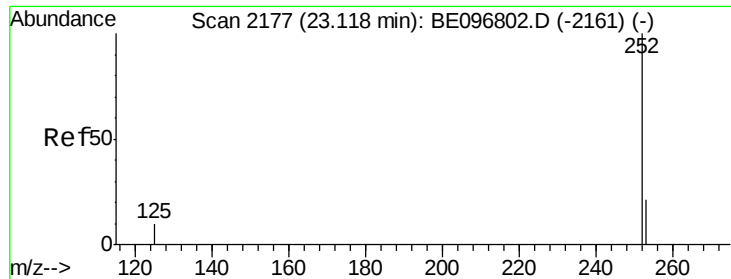


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.286 ng

RT: 23.12 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

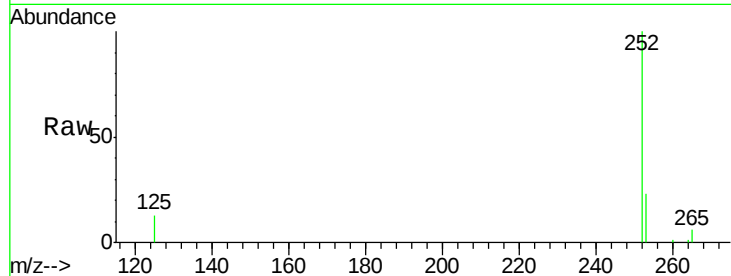
Tgt Ion:252 Resp: 9522

Ion Ratio Lower Upper

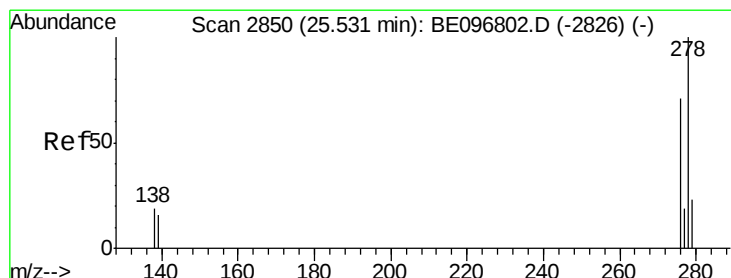
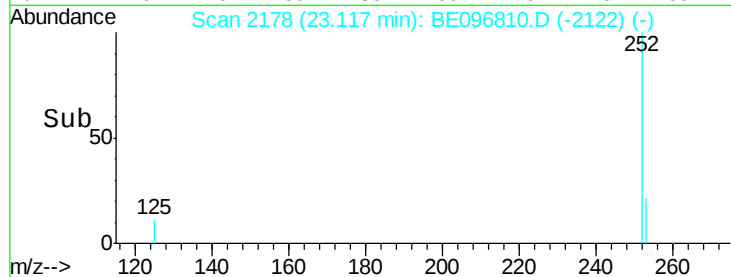
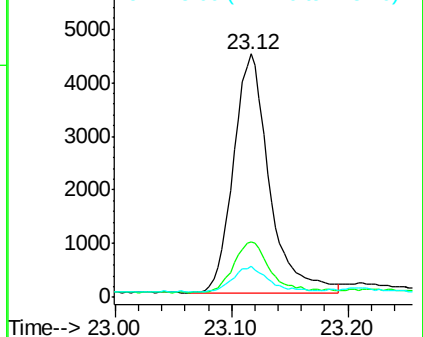
252 100

253 22.8 16.0 24.0

125 12.8 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.315 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

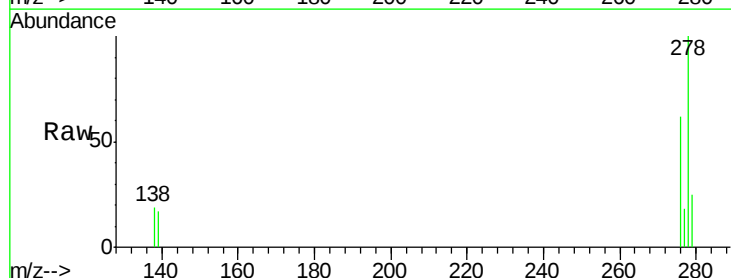
Tgt Ion:278 Resp: 9419

Ion Ratio Lower Upper

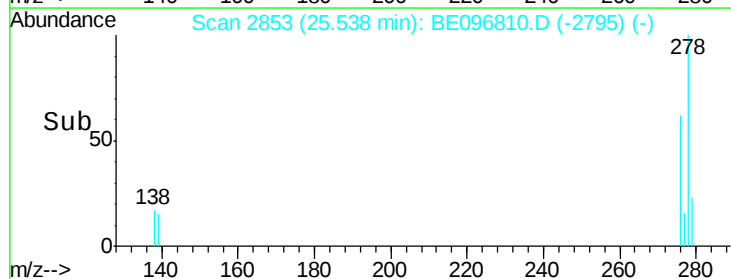
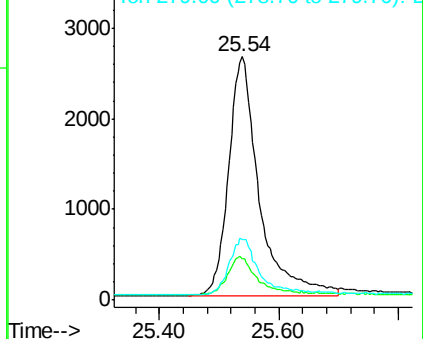
278 100

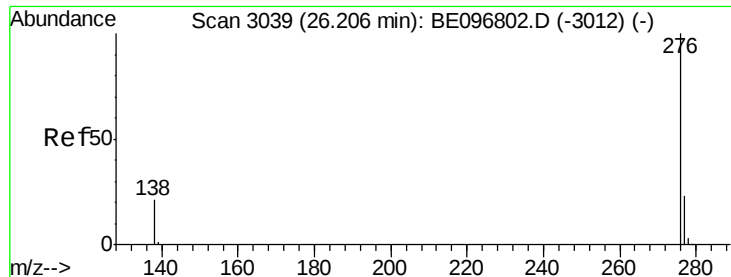
139 17.2 16.0 24.0

279 25.0 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.308 ng

RT: 26.21 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BE096810.D

Acq: 18 Jun 2018 16:04

Instrument :

BNA_E

ClientSampleId :

PB110224BSD

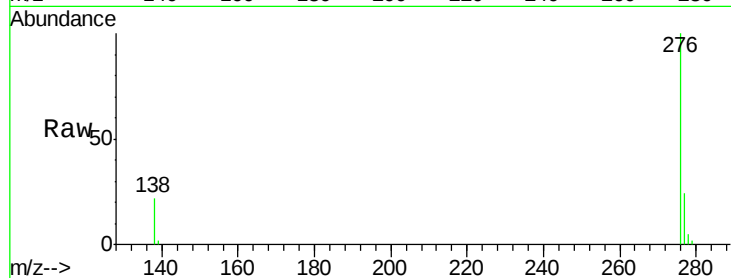
Tgt Ion:276 Resp: 10873

Ion Ratio Lower Upper

276 100

277 24.3 16.0 24.0#

138 21.8 20.0 30.0



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

