

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096263.D
 Acq On : 1 May 2018 18:40
 Operator : SJ/JU
 Sample : J2600-11MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

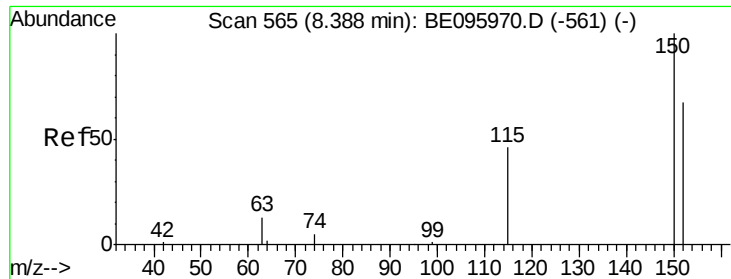
Quant Time: May 02 01:55:54 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	754	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2897	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1462	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3535	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3905	0.40	ng	0.00
34) Perylene-d12	24.35	264	3716	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	419	0.18	ng	0.01
5) Phenol-d6	7.52	99	384	0.12	ng	0.01
8) Nitrobenzene-d5	9.54	82	1252	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	1712	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	261	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2836	0.45	ng	0.00
25) Fluoranthene-d10	19.63	212	18912	0.39	ng	0.00
29) Terphenyl-d14	20.19	244	4045	0.47	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.59	88	163	0.140	ng	# 81
3) n-Nitrosodimethylamine	3.96	42	258	0.181	ng	# 73
6) bis(2-Chloroethyl)ether	7.76	93	1043	0.368	ng	93
9) Naphthalene	11.24	128	11996	0.393	ng	99
10) Hexachlorobutadiene	11.50	225	353	0.261	ng	92
12) 2-Methylnaphthalene	12.81	142	1964	0.389	ng	94
16) Acenaphthylene	14.67	152	3015	0.386	ng	99
17) Acenaphthene	15.00	154	1790	0.382	ng	# 92
18) Fluorene	15.97	166	2410	0.415	ng	# 77
20) 4-Bromophenyl-phenylether	16.83	248	744	0.354	ng	# 73
21) Hexachlorobenzene	16.96	284	740	0.354	ng	# 81
22) Pentachlorophenol	17.31	266	330	0.477	ng	# 73
23) Phenanthrene	17.70	178	4172	0.420	ng	99
24) Anthracene	17.78	178	3962	0.417	ng	95
26) Fluoranthene	19.66	202	5493	0.421	ng	# 97
28) Pyrene	20.00	202	316	0.041	ng	# 48
30) Benzo(a)anthracene	21.73	228	5052	0.403	ng	97
31) Chrysene	21.79	228	4968	0.411	ng	97
32) Bis(2-ethylhexyl)phthalate	21.60	149	14980	0.463	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	5032	0.429	ng	95
35) Benzo(b)fluoranthene	23.54	252	4796	0.430	ng	# 94
36) Benzo(k)fluoranthene	23.59	252	4847	0.423	ng	# 89
37) Benzo(a)pyrene	24.23	252	4496	0.420	ng	# 94
38) Dibenzo(a,h)anthracene	27.14	278	4093	0.433	ng	96
39) Benzo(g,h,i)perylene	28.00	276	4302	0.431	ng	# 92

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

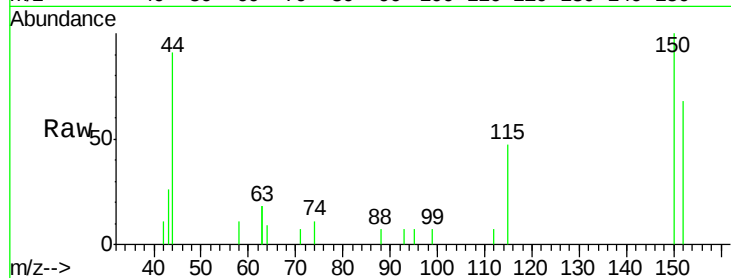


#1

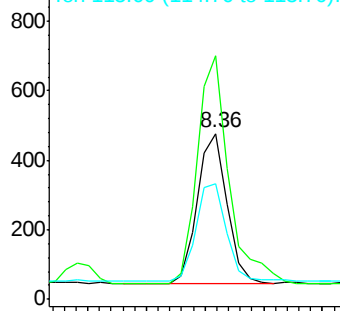
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096263.D
Acq: 1 May 2018 18:40

Instrument :
BNA_E
ClientSampleId :

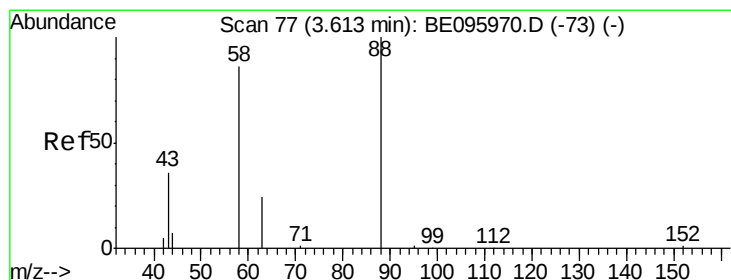
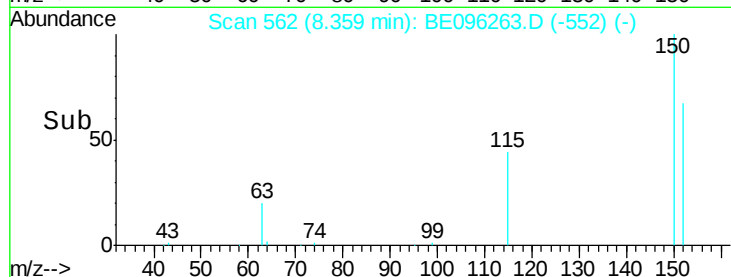
Tot Ion:152 Resp: 754
Ion Ratio Lower Upper
152 100
150 147.0 117.2 175.8
115 69.6 57.0 85.6



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



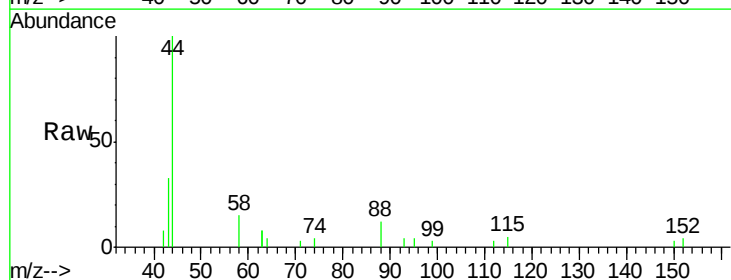
Time-->



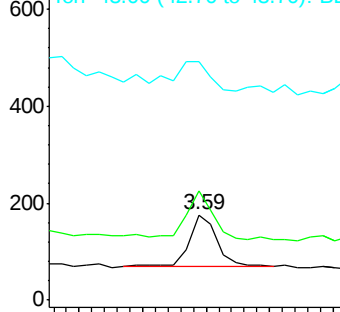
#2

1,4-Dioxane
Concen: 0.140 ng
RT: 3.59 min Scan# 75
Delta R.T. -0.01 min
Lab File: BE096263.D
Acq: 1 May 2018 18:40

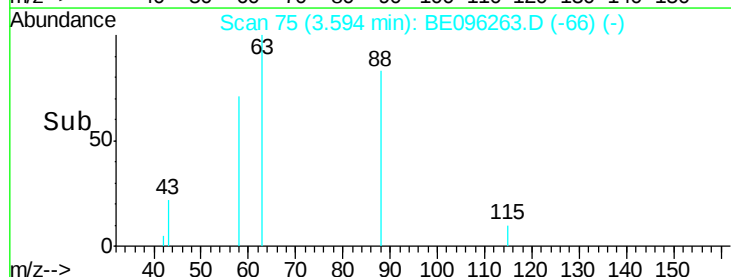
Tgt Ion: 88 Resp: 163
Ion Ratio Lower Upper
88 100
58 89.0 63.2 94.8
43 72.4 41.2 61.8#

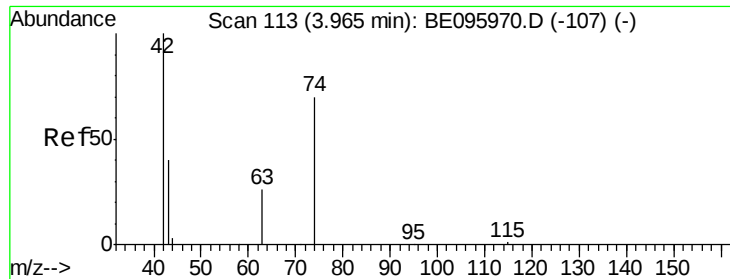


Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



Time-->



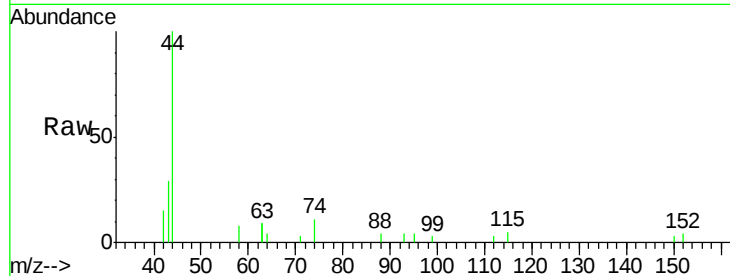


#3

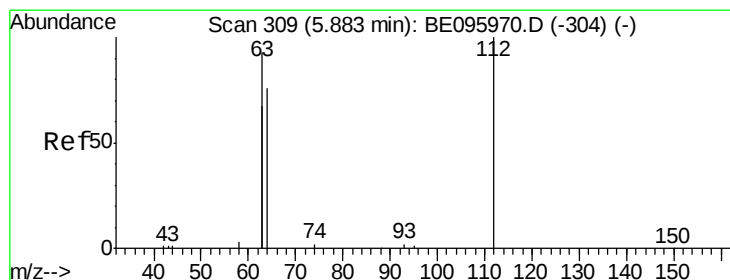
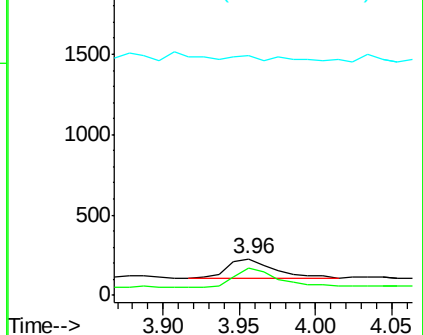
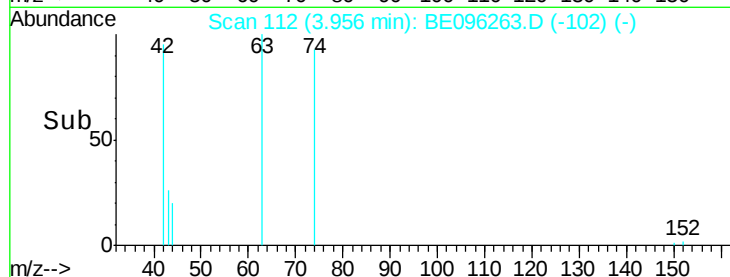
n-Nitrosodimethylamine
 Concen: 0.181 ng
 RT: 3.96 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: BE096263.D
 Acq: 1 May 2018 18:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 258
 Ion Ratio Lower Upper
 42 100
 74 91.9 96.0 144.0#
 44 0.0 12.0 18.0#



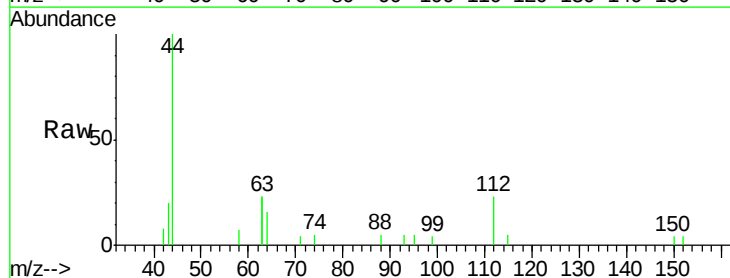
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



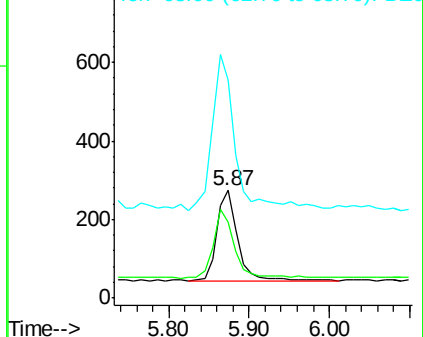
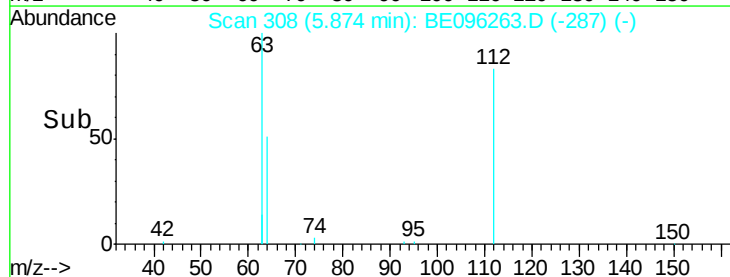
#4

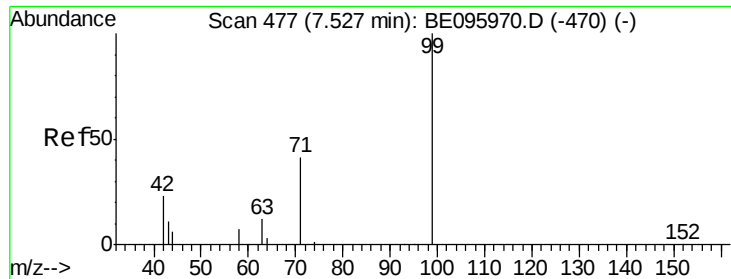
2-Fluorophenol
 Concen: 0.180 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096263.D
 Acq: 1 May 2018 18:40

Tgt Ion: 112 Resp: 419
 Ion Ratio Lower Upper
 112 100
 64 75.2 60.1 90.1
 63 181.1 116.8 175.2#



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: 0.119 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampled :

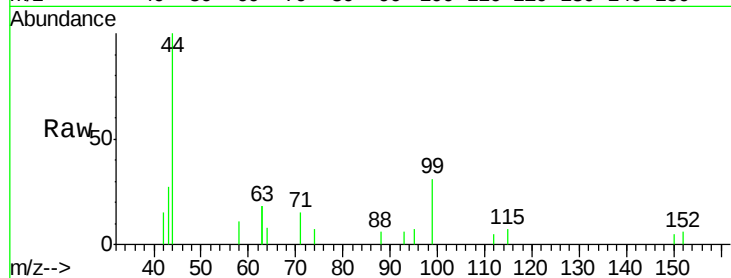
Tot Ion: 99 Resp: 384

Ion Ratio Lower Upper

99 100

42 31.3 20.2 30.2#

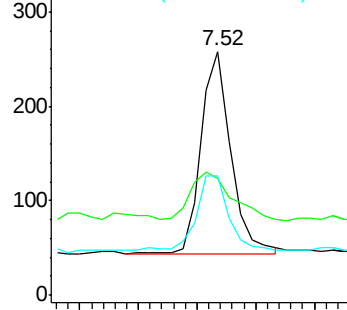
71 40.1 28.4 42.6



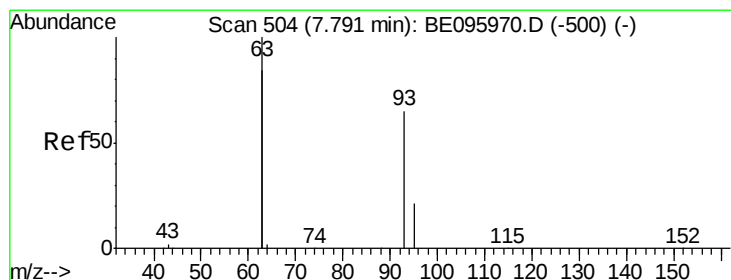
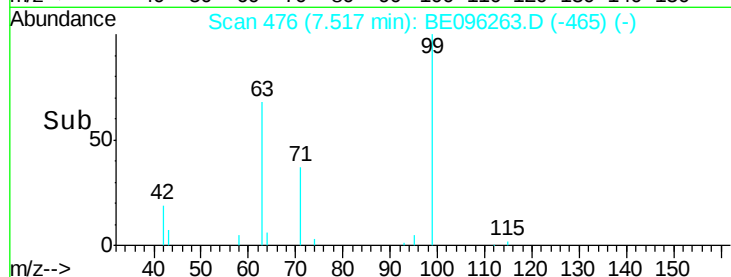
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.368 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

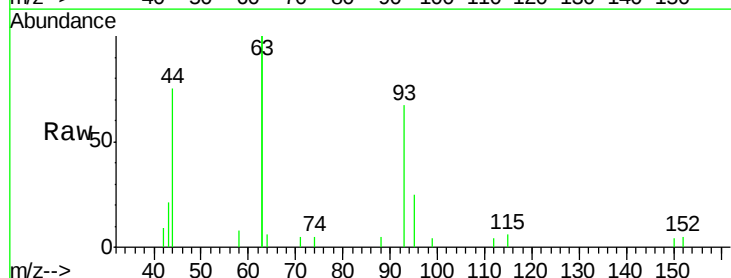
Tgt Ion: 93 Resp: 1043

Ion Ratio Lower Upper

93 100

63 326.8 275.3 412.9

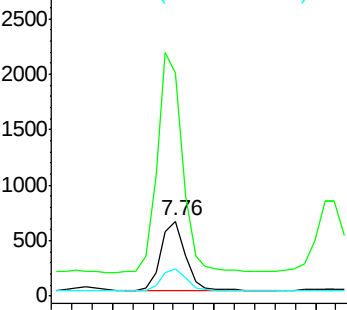
95 32.2 25.2 37.8



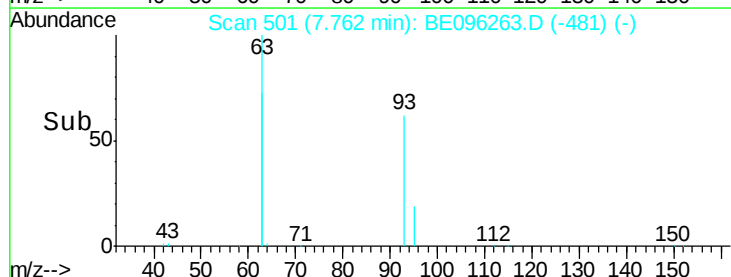
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2897

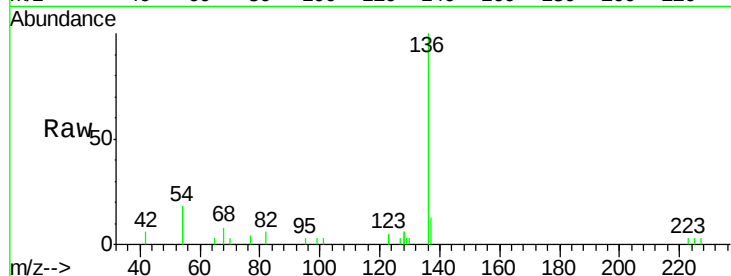
Ion Ratio Lower Upper

136 100

137 13.5 9.5 14.3

54 35.6 29.1 43.7

68 7.7 6.2 9.2

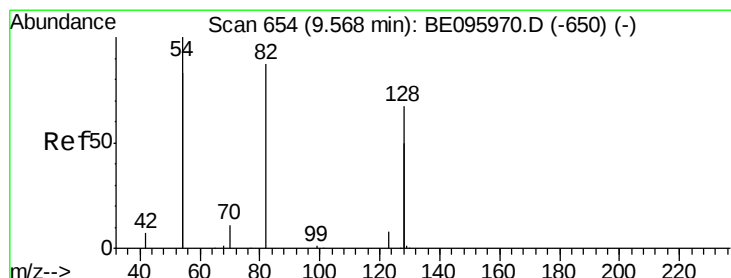
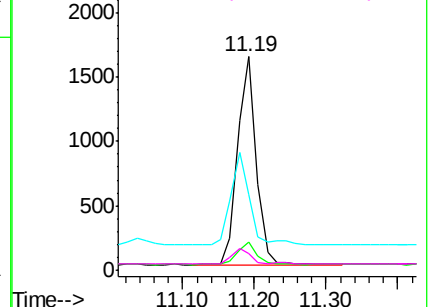
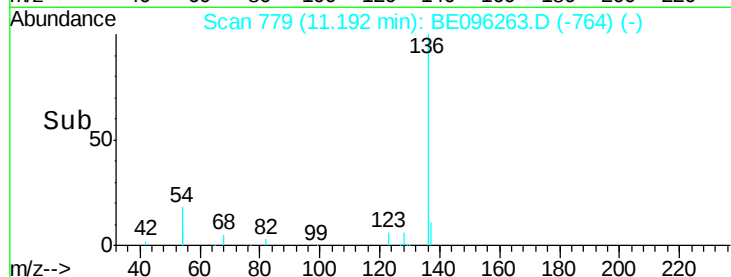


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.368 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

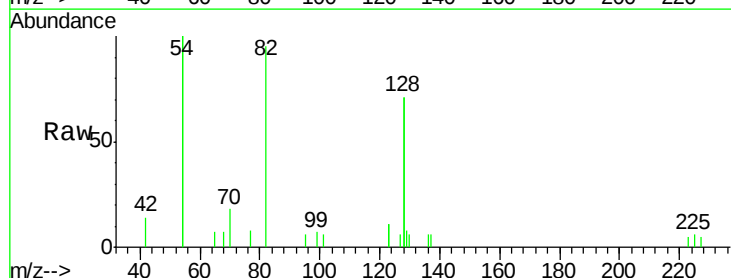
Tgt Ion: 82 Resp: 1252

Ion Ratio Lower Upper

82 100

128 150.3 150.0 225.0

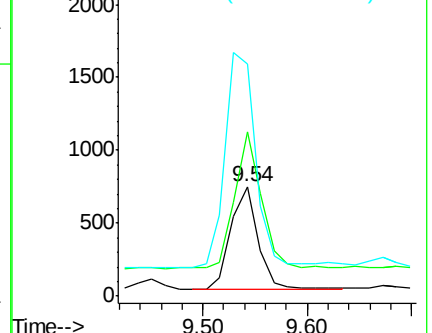
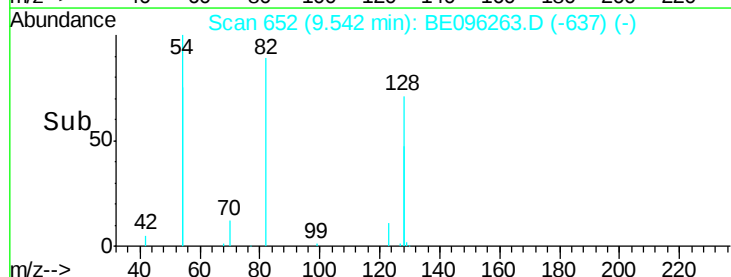
54 211.2 154.2 231.4



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: 0.393 ng

RT: 11.24 min Scan# 783

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

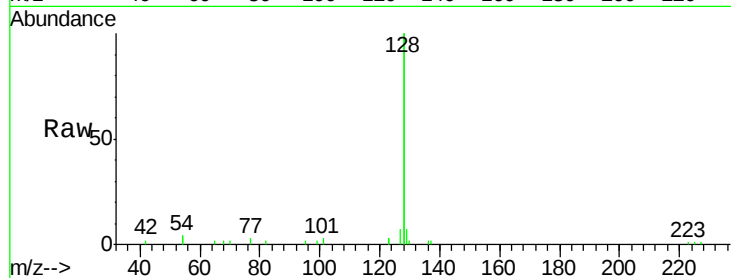
Tot Ion:128 Resp: 11996

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

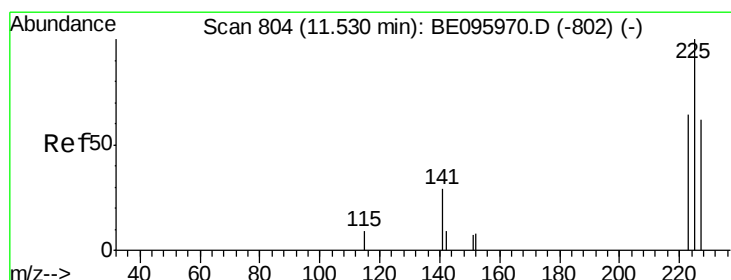
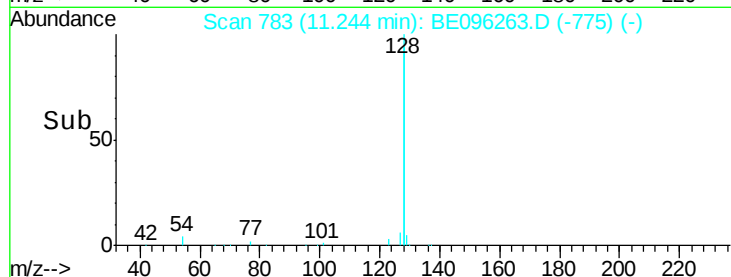
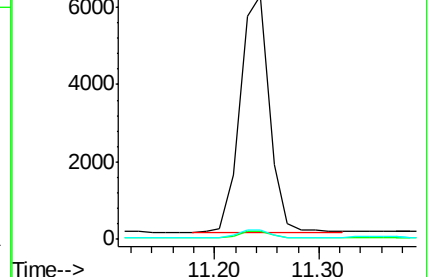
127 3.7 2.8 4.2



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: 0.261 ng

RT: 11.50 min Scan# 803

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

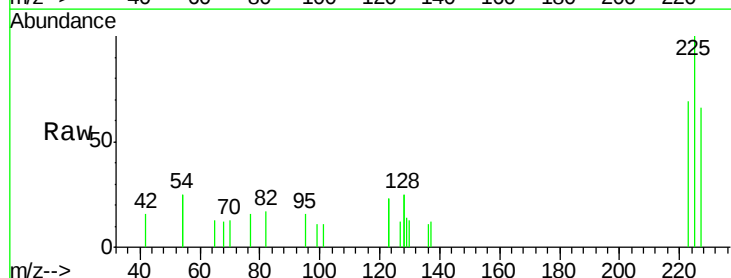
Tgt Ion:225 Resp: 353

Ion Ratio Lower Upper

225 100

223 75.4 53.0 79.6

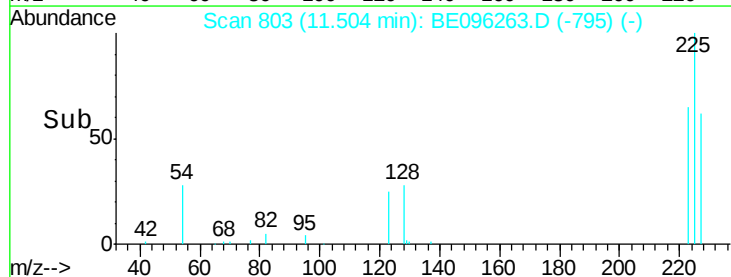
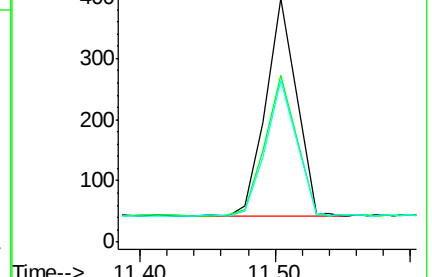
227 67.4 51.4 77.2

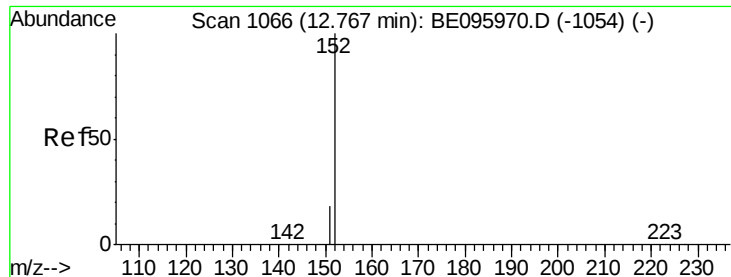


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

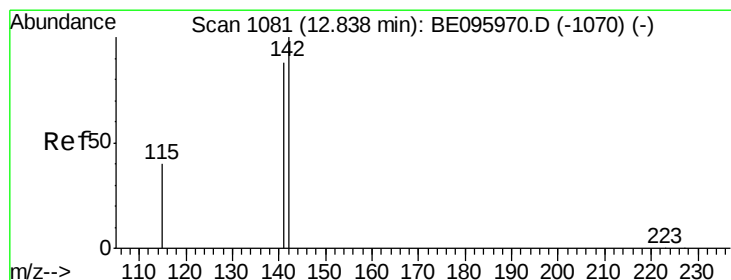
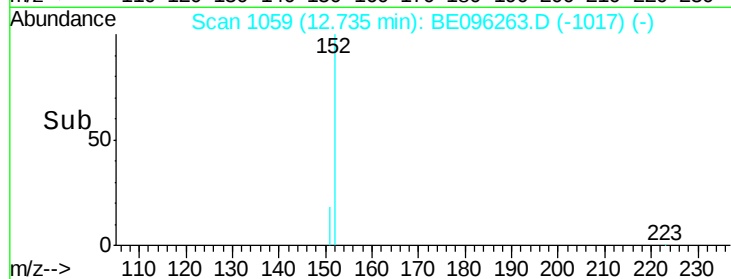
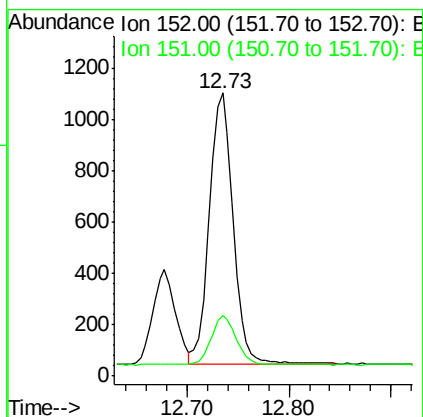
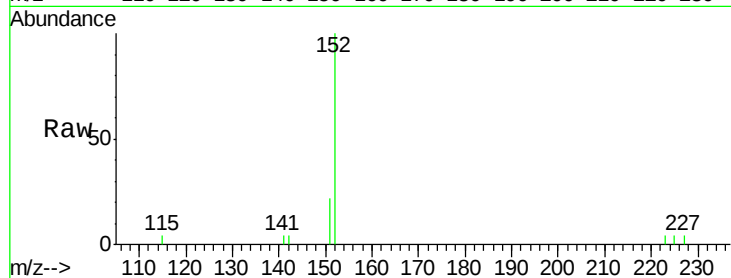




#11
 2-Methylnaphthalene-d10
 Concen: 0.373 ng
 RT: 12.73 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: BE096263.D
 Acq: 1 May 2018 18:40

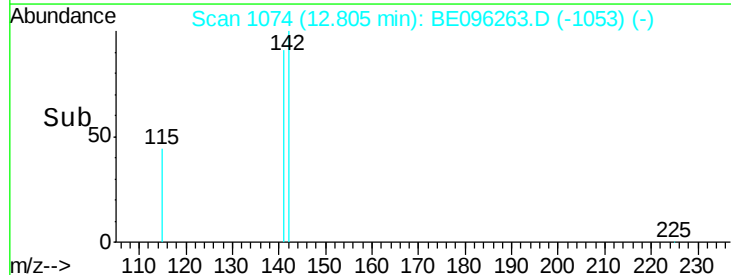
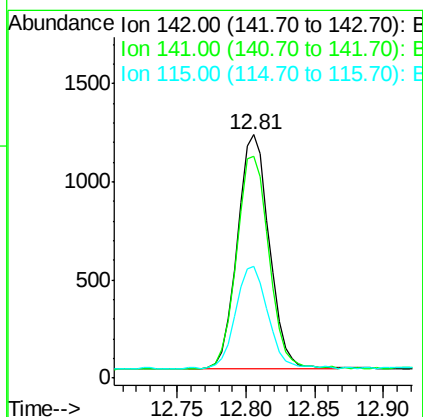
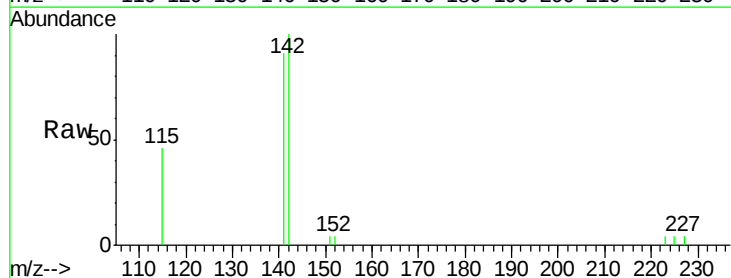
Instrument :
 BNA_E
 ClientSampleId :

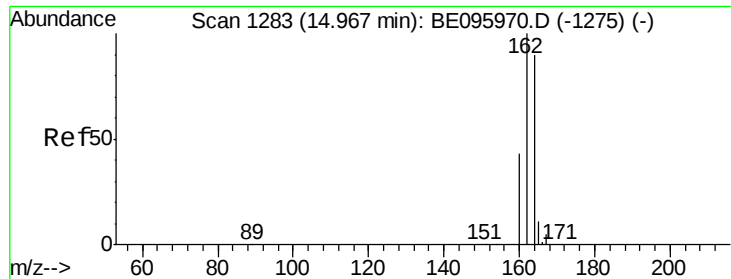
Tot Ion:152 Resp: 1712
 Ion Ratio Lower Upper
 152 100
 151 18.8 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.389 ng
 RT: 12.81 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: BE096263.D
 Acq: 1 May 2018 18:40

Tgt Ion:142 Resp: 1964
 Ion Ratio Lower Upper
 142 100
 141 91.3 70.4 105.6
 115 46.0 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

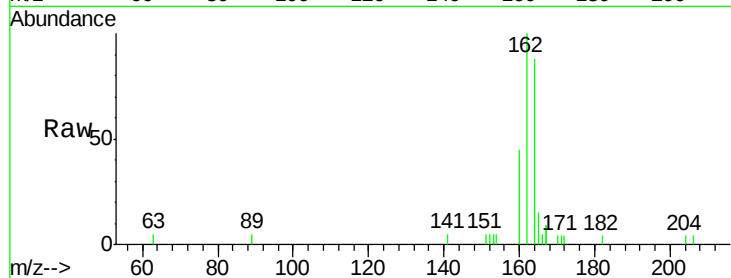
Tot Ion:164 Resp: 1462

Ion Ratio Lower Upper

164 100

162 113.5 83.1 124.7

160 51.6 37.1 55.7

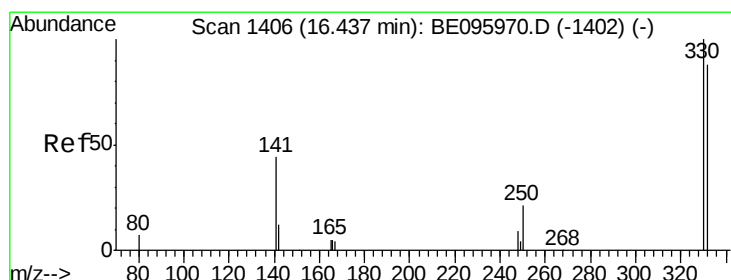
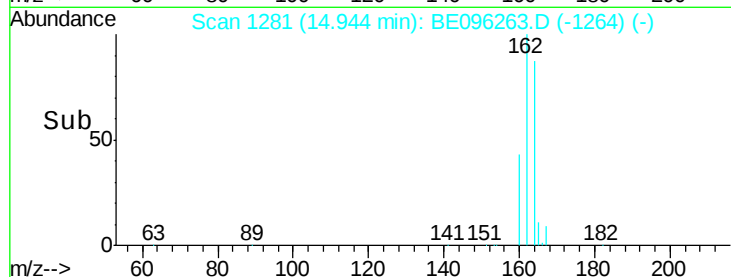
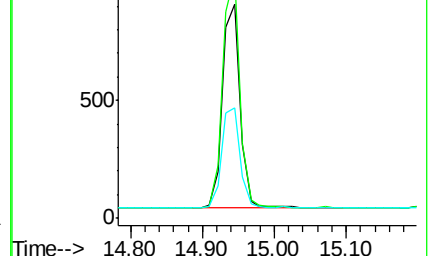


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.94



#14

2,4,6-Tribromophenol

Concen: 0.370 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

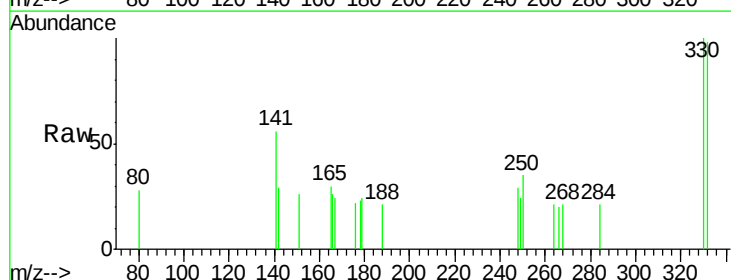
Tgt Ion:330 Resp: 261

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

141 61.7 33.7 50.5#

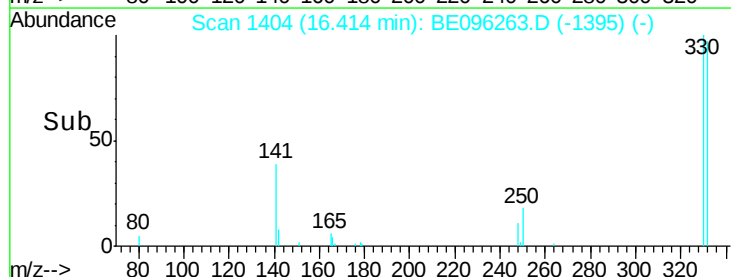
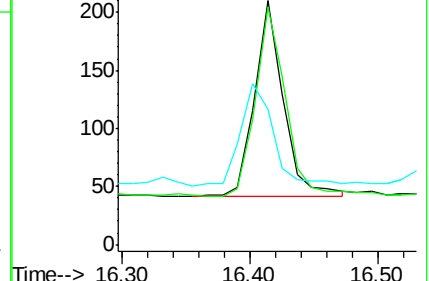


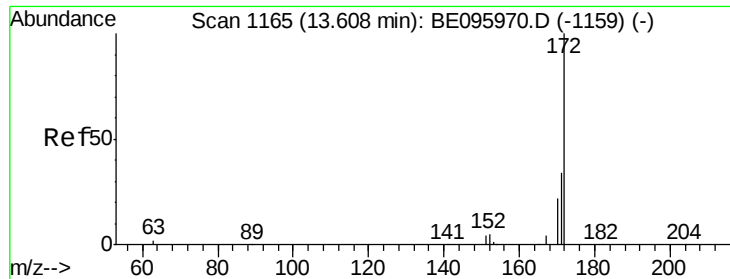
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.41

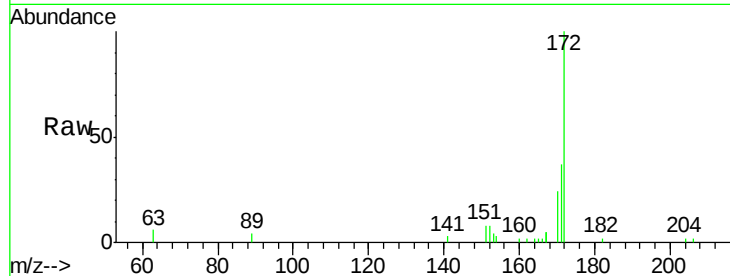




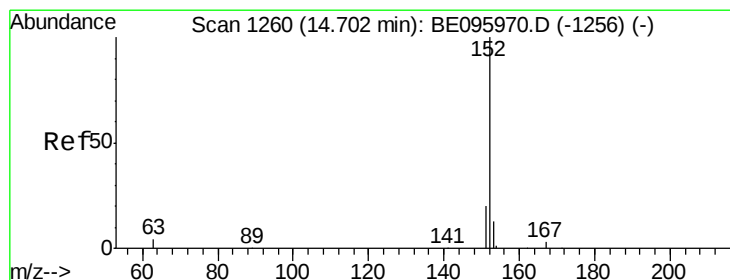
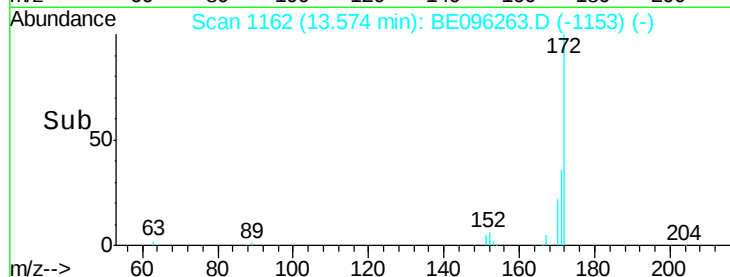
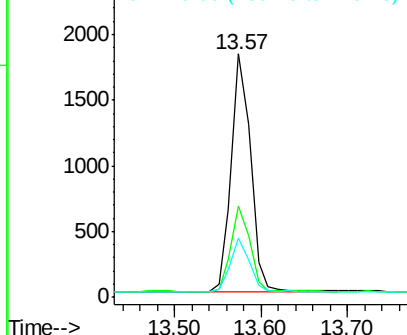
#15
2-Fluorobiphenyl
Concen: 0.453 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096263.D
Acq: 1 May 2018 18:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2836
Ion Ratio Lower Upper
172 100
171 37.3 29.9 44.9
170 24.1 21.8 32.8

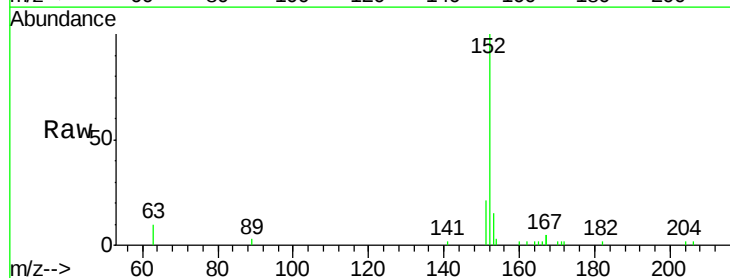


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

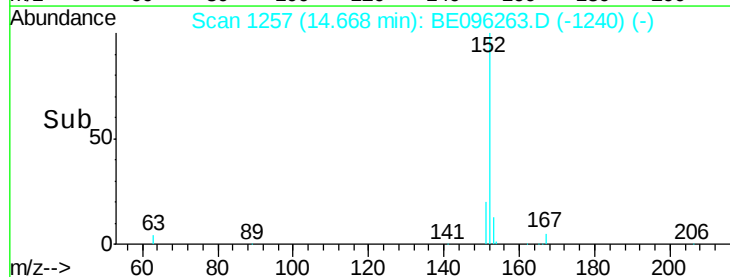
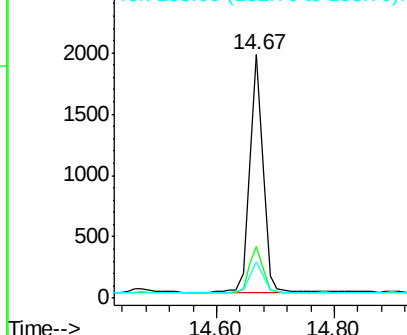


#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096263.D
Acq: 1 May 2018 18:40

Tgt Ion:152 Resp: 3015
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.7 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: 0.382 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

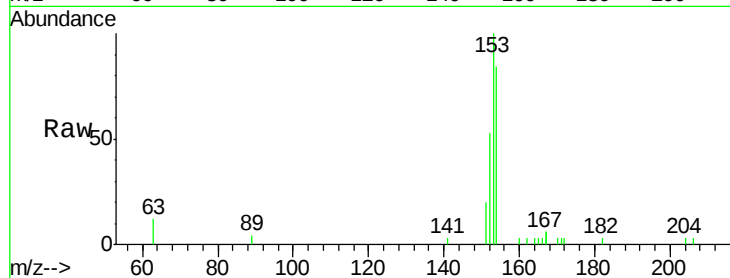
Tot Ion:154 Resp: 1790

Ion Ratio Lower Upper

154 100

153 117.1 89.2 133.8

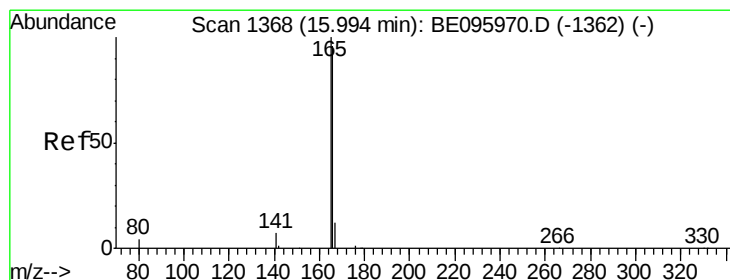
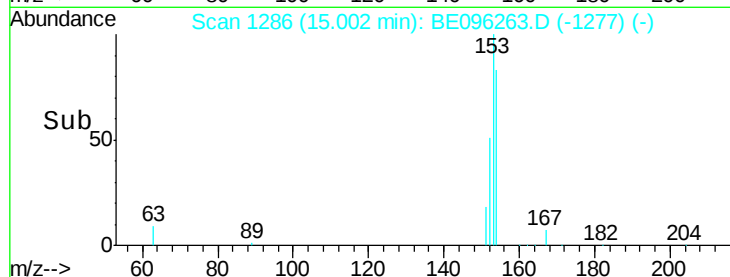
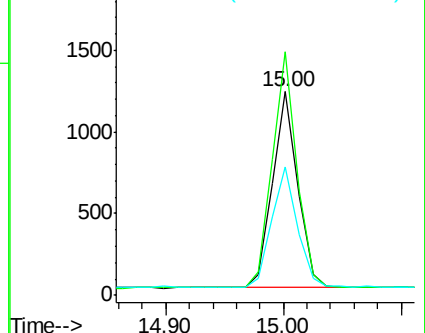
152 63.1 42.0 63.0#



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: 0.415 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

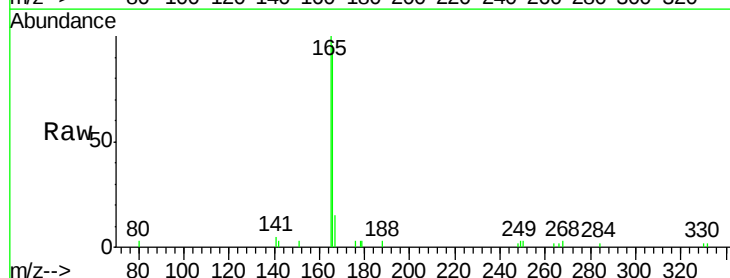
Tgt Ion:166 Resp: 2410

Ion Ratio Lower Upper

166 100

165 102.4 77.8 116.6

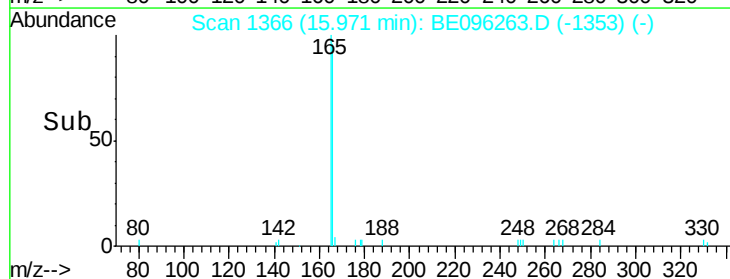
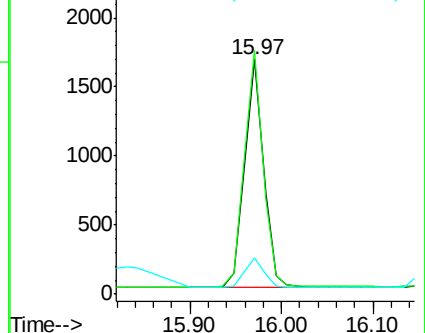
167 13.3 42.4 63.6#



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: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

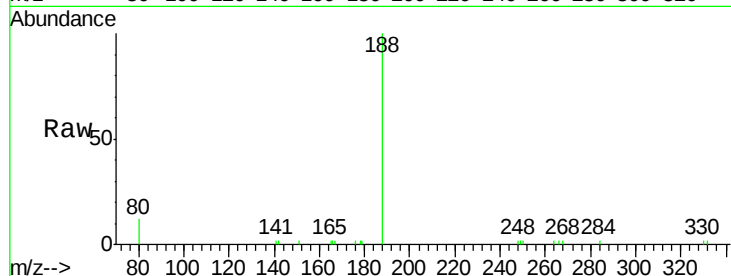
Tot Ion:188 Resp: 3535

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

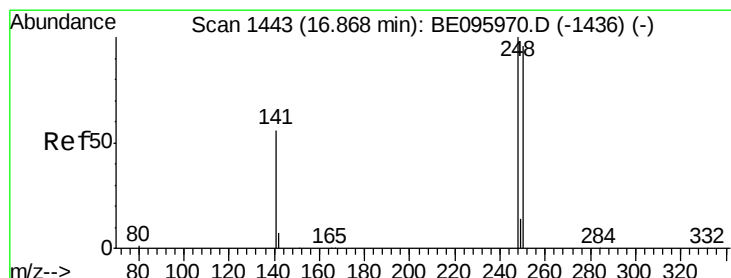
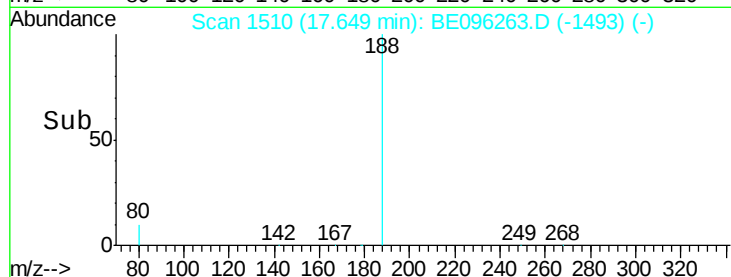
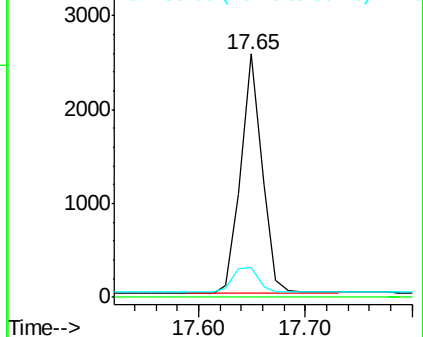
80 12.1 3.6 5.4#



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: 0.354 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

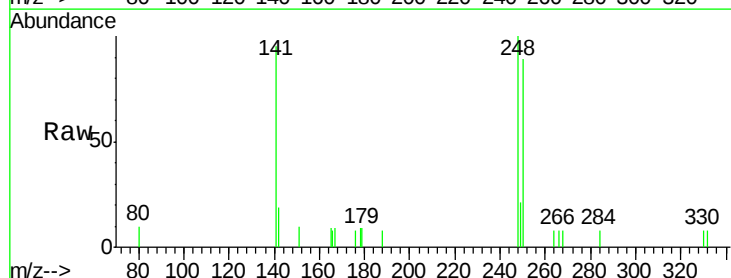
Tgt Ion:248 Resp: 744

Ion Ratio Lower Upper

248 100

250 89.3 62.7 94.1

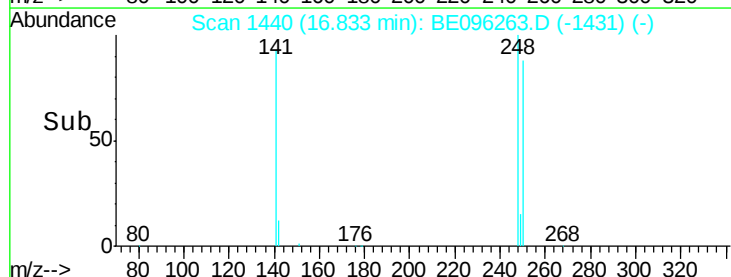
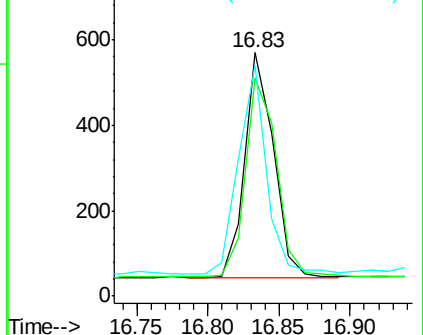
141 94.7 48.2 72.2#



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: 0.354 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

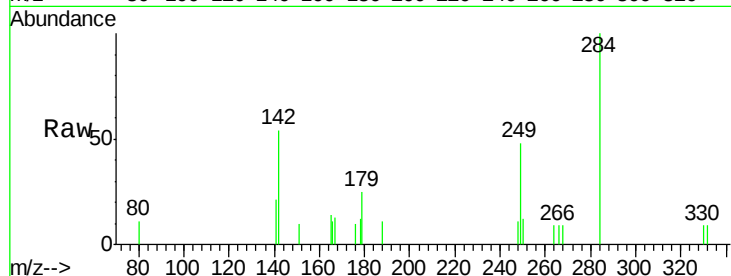
Tot Ion:284 Resp: 740

Ion Ratio Lower Upper

284 100

142 45.7 22.1 33.1#

249 37.6 34.8 52.2

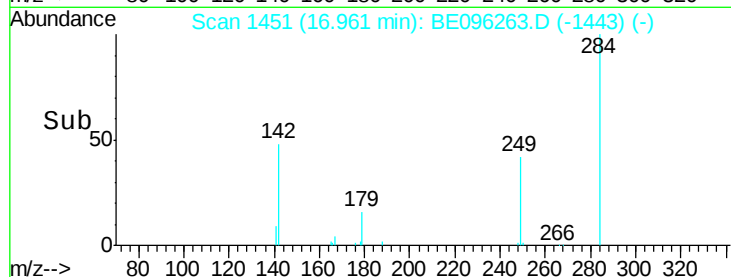


Abundance Ion 283.80 (283.50 to 284.50): E

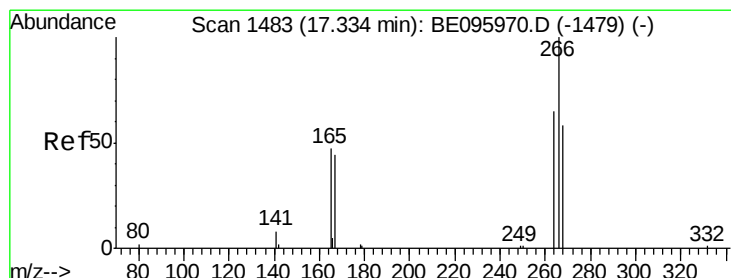
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.96



Time-->



#22

Pentachlorophenol

Concen: 0.477 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

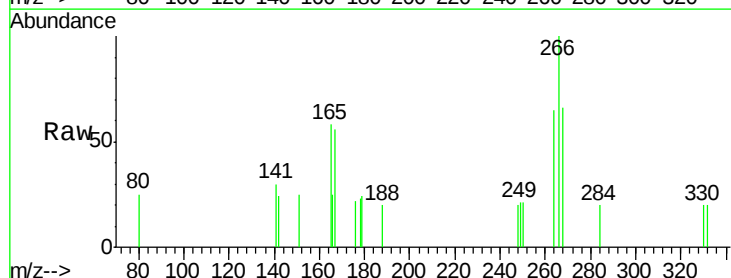
Tgt Ion:266 Resp: 330

Ion Ratio Lower Upper

266 100

264 65.5 72.5 108.7#

268 65.9 73.8 110.6#

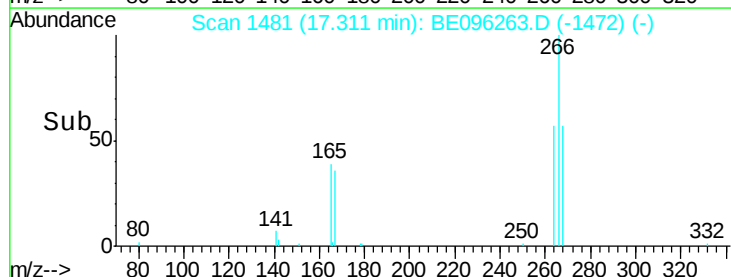


Abundance Ion 266.00 (265.70 to 266.70): E

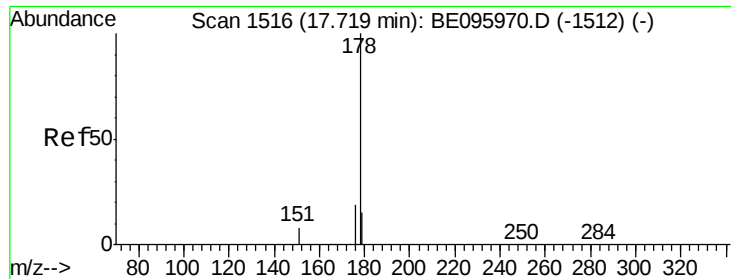
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

17.31



Time-->



#23

Phenanthrene

Concen: 0.420 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

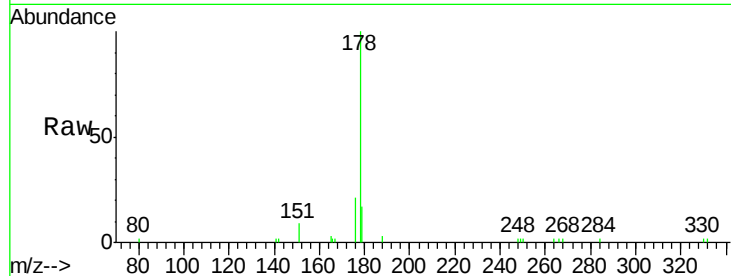
Tot Ion:178 Resp: 4172

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

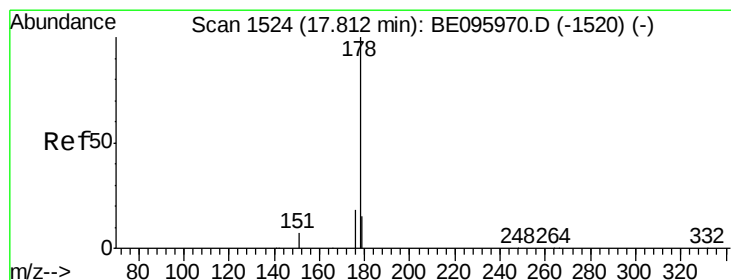
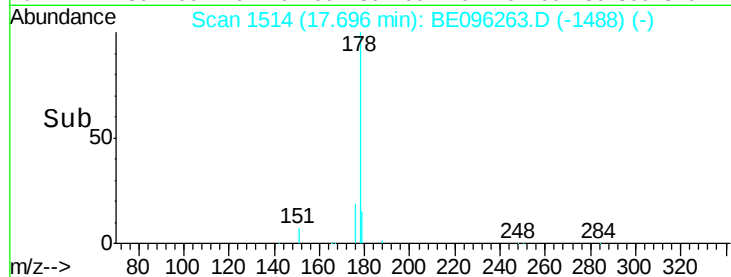
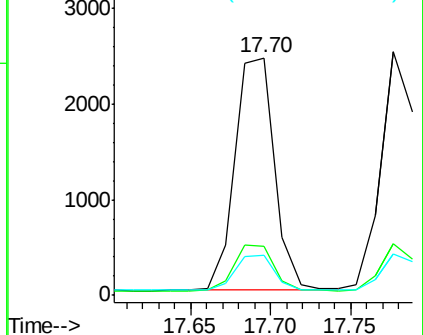
179 14.8 11.8 17.6



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: 0.417 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

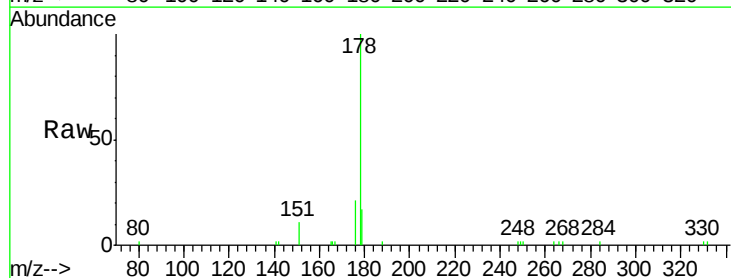
Tgt Ion:178 Resp: 3962

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

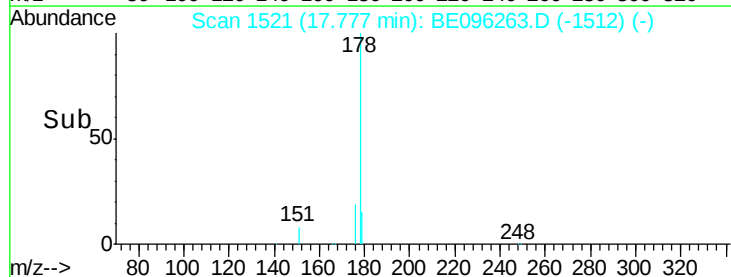
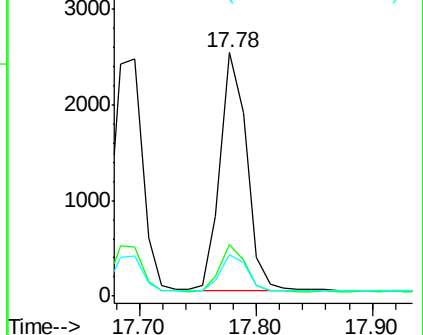
179 15.2 13.0 19.6

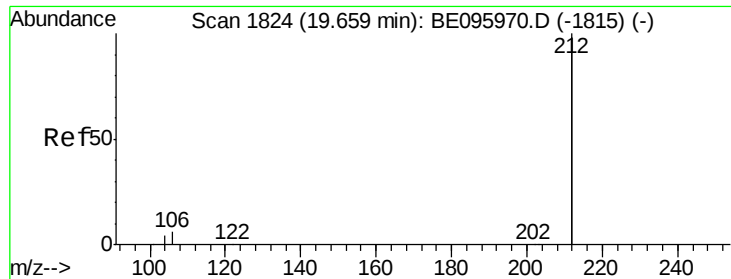


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.394 ng

RT: 19.63 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

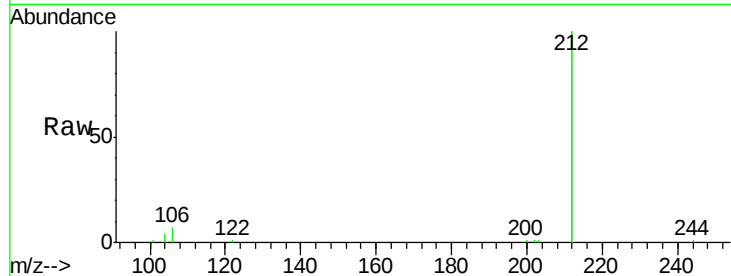
Tot Ion:212 Resp: 18912

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

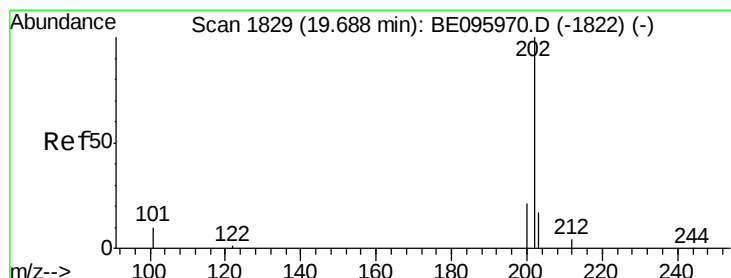
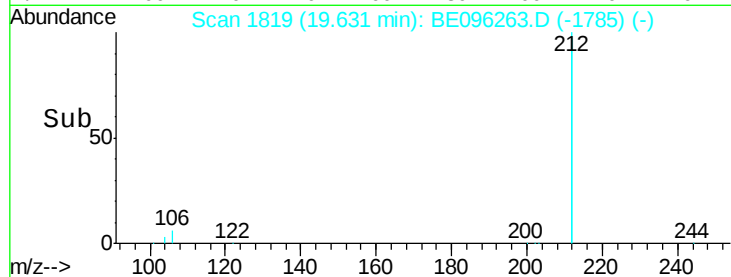
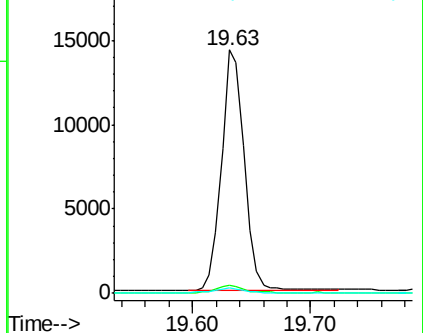
104 1.9 1.6 2.4



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: 0.421 ng

RT: 19.66 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

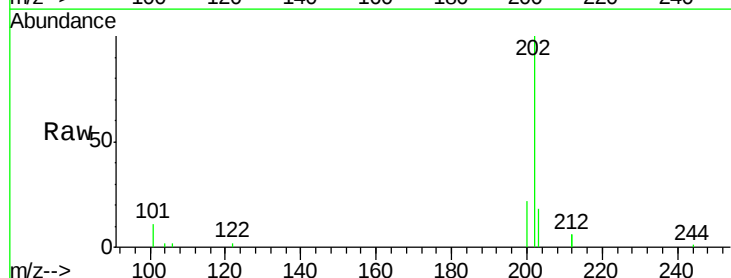
Tgt Ion:202 Resp: 5493

Ion Ratio Lower Upper

202 100

101 9.8 9.8 14.8#

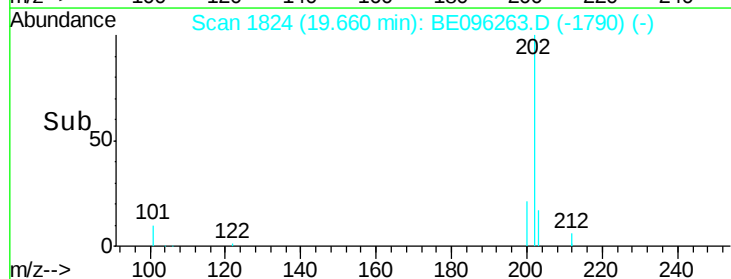
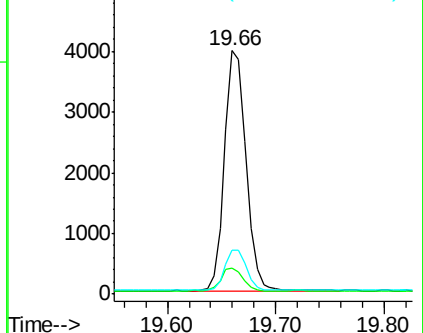
203 16.9 13.7 20.5



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: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

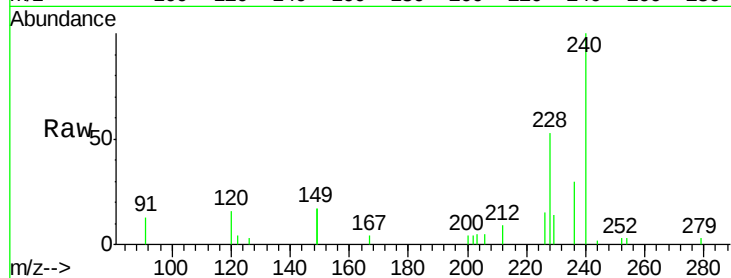
Tot Ion:240 Resp: 3905

Ion Ratio Lower Upper

240 100

120 16.4 5.5 8.3#

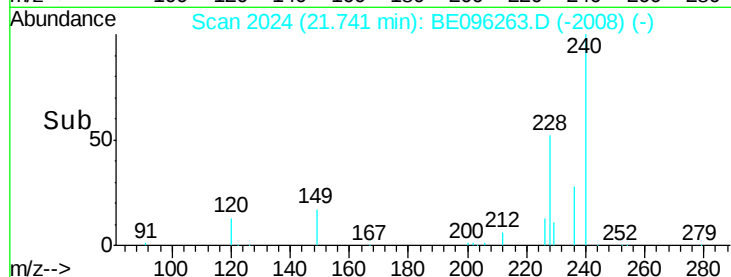
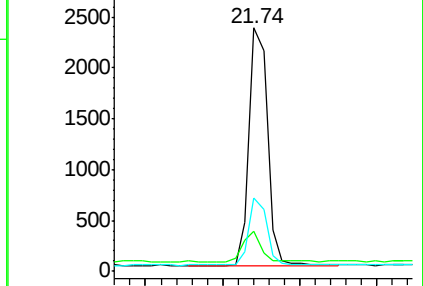
236 30.0 20.7 31.1



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: 0.041 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

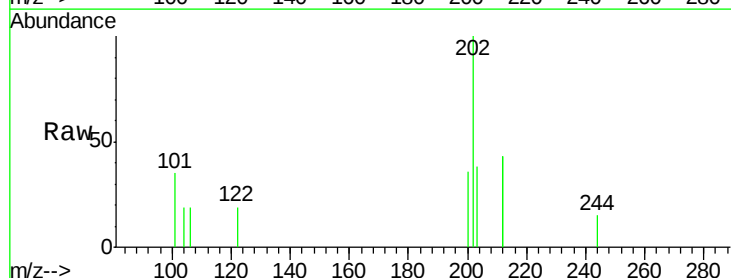
Tgt Ion:202 Resp: 316

Ion Ratio Lower Upper

202 100

200 35.1 16.6 25.0#

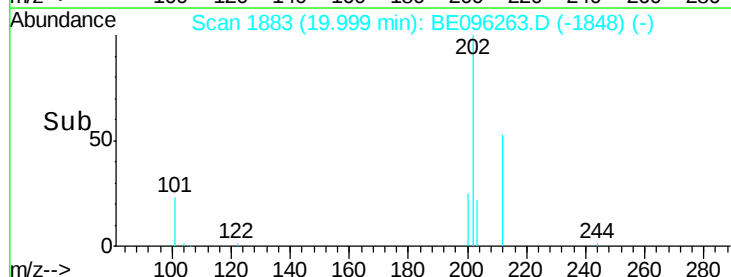
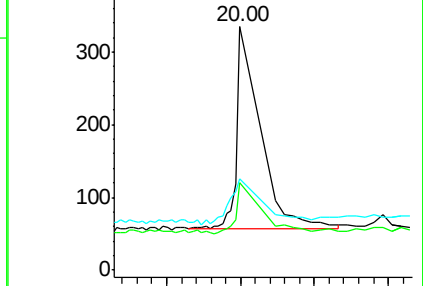
203 51.3 13.8 20.8#



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: 0.469 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

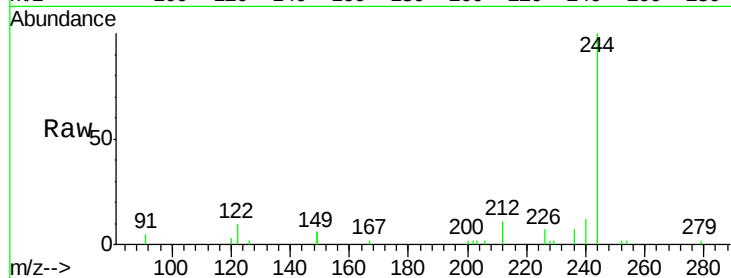
Tot Ion:244 Resp: 4045

Ion Ratio Lower Upper

244 100

212 10.7 25.4 38.0#

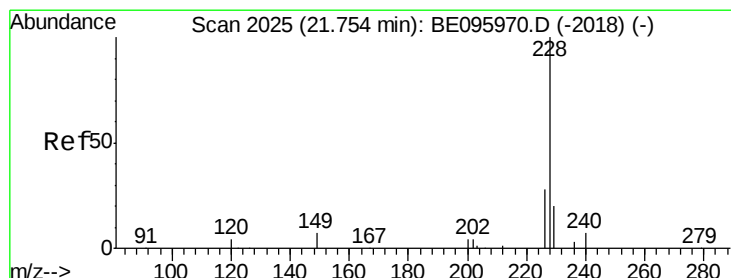
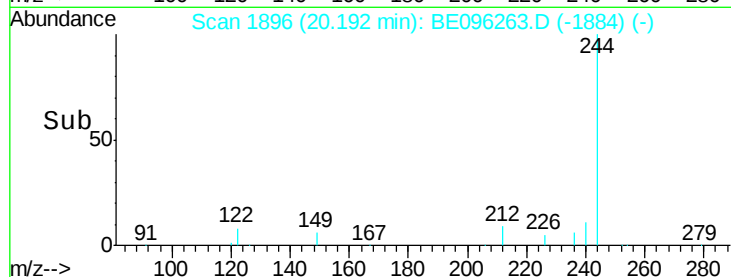
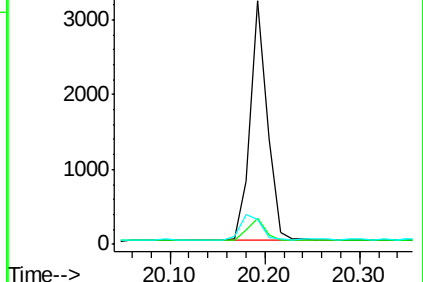
122 10.0 8.1 12.1



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: 0.403 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

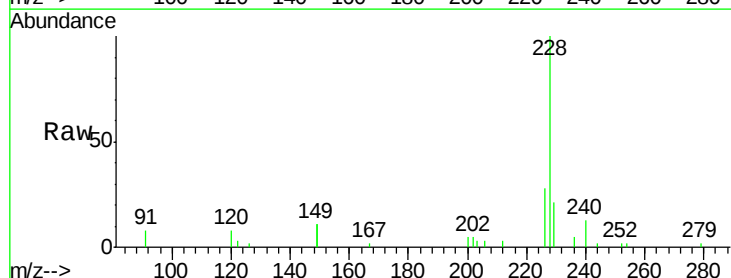
Tgt Ion:228 Resp: 5052

Ion Ratio Lower Upper

228 100

226 28.3 24.0 36.0

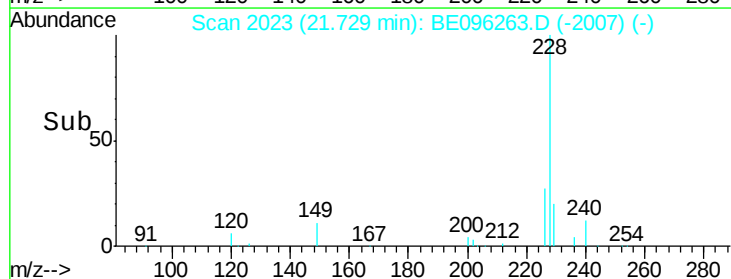
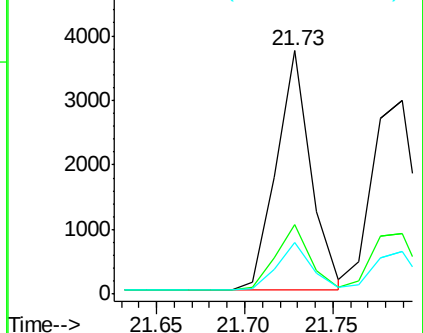
229 21.5 16.0 24.0



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: 0.411 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

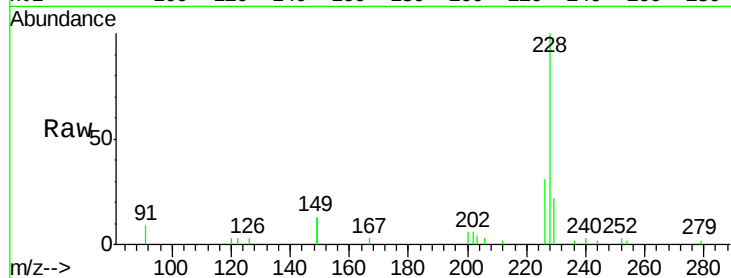
Tot Ion:228 Resp: 4968

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

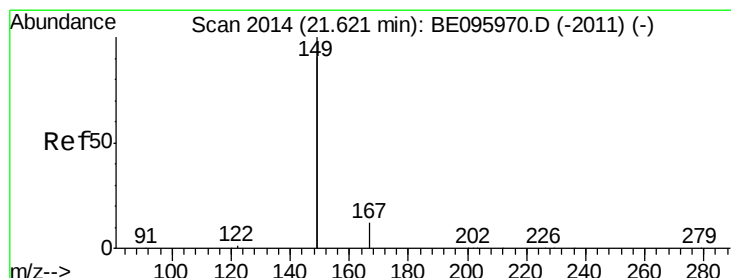
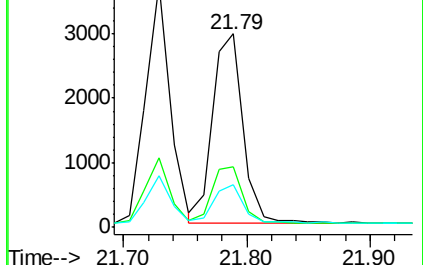
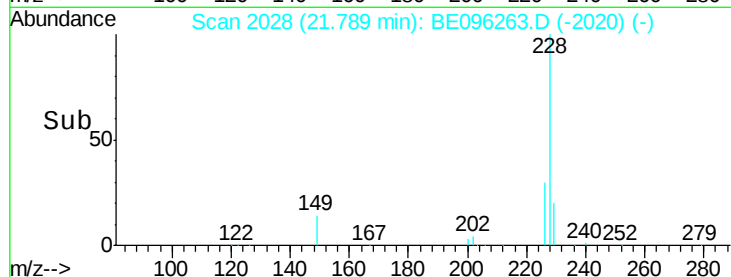
229 21.9 16.0 24.0



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: 0.463 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

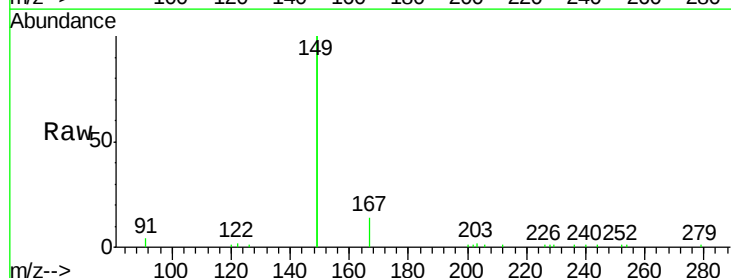
Tgt Ion:149 Resp: 14980

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

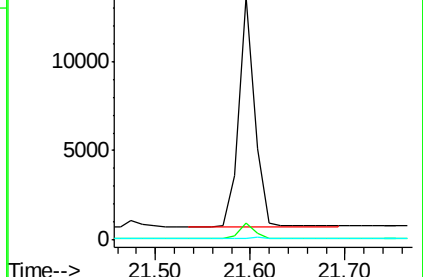
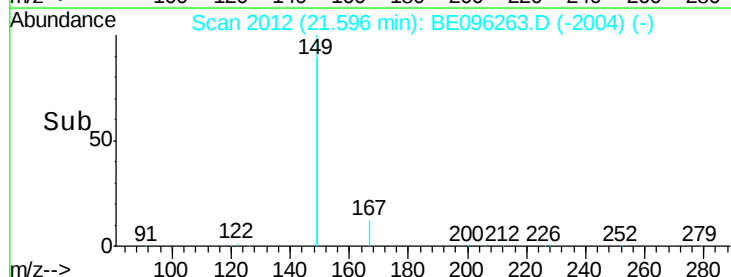
279 0.7 0.7 1.1



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

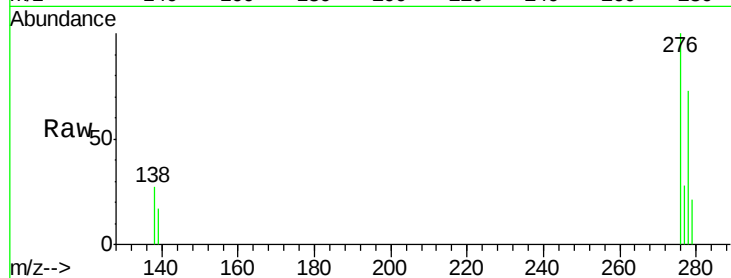




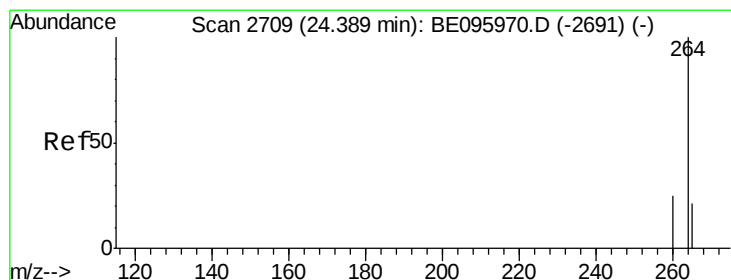
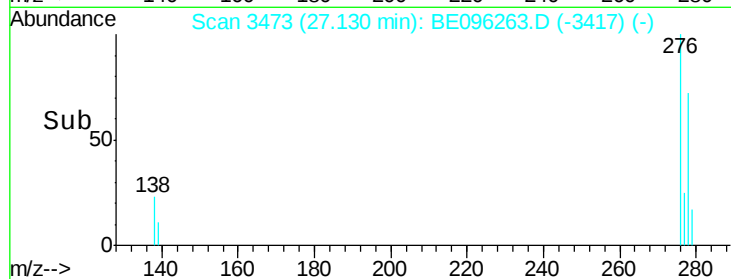
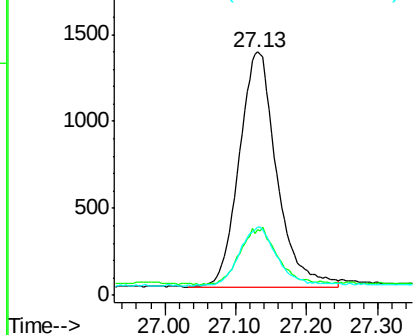
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.429 ng
RT: 27.13 min Scan# 3473
Delta R.T. 0.00 min
Lab File: BE096263.D
Acq: 1 May 2018 18:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 5032
Ion Ratio Lower Upper
276 100
138 23.5 22.5 33.7
277 24.9 19.9 29.9

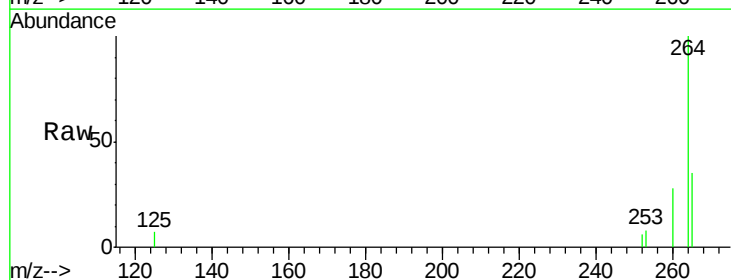


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

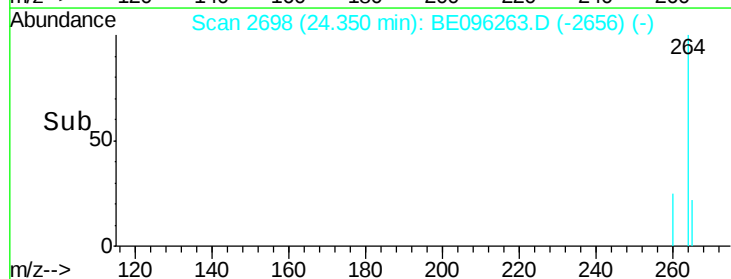
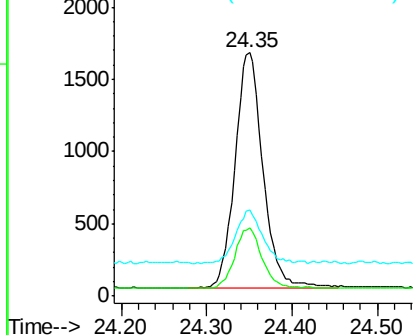


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE096263.D
Acq: 1 May 2018 18:40

Tgt Ion:264 Resp: 3716
Ion Ratio Lower Upper
264 100
260 27.8 20.5 30.7
265 35.2 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: 0.430 ng

RT: 23.54 min Scan# 2472

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

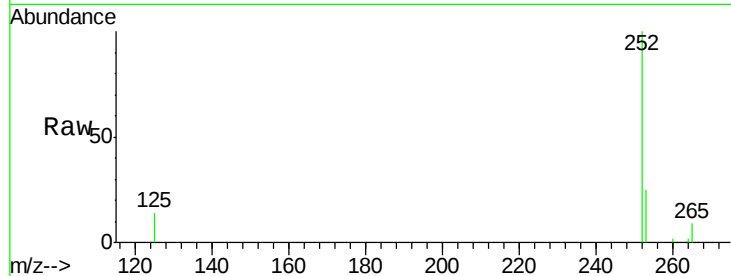
Tot Ion:252 Resp: 4796

Ion Ratio Lower Upper

252 100

253 24.7 20.0 30.0

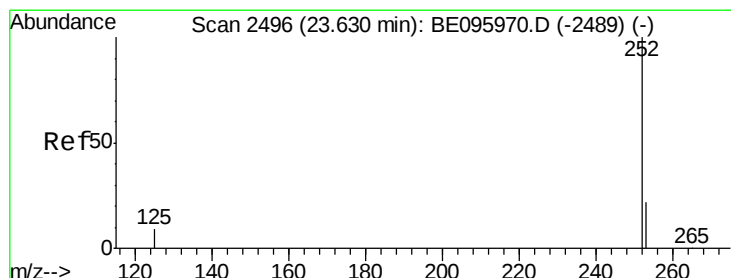
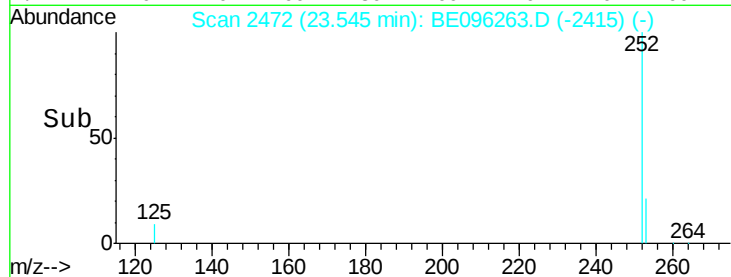
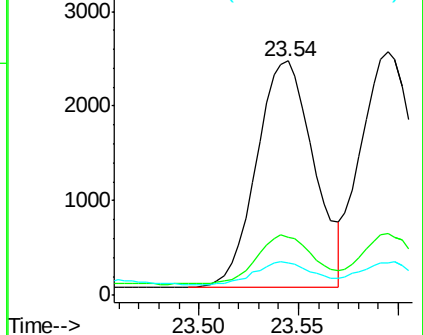
125 13.7 16.0 24.0#



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: 0.423 ng

RT: 23.59 min Scan# 2486

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

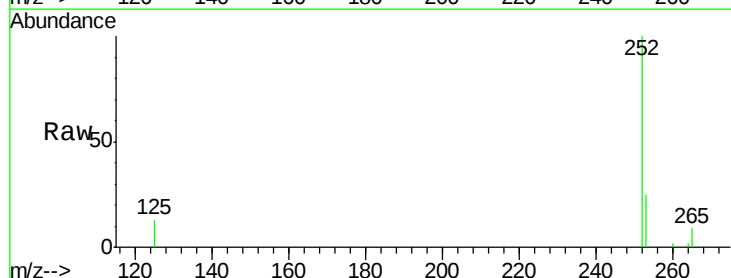
Tgt Ion:252 Resp: 4847

Ion Ratio Lower Upper

252 100

253 25.4 16.0 24.0#

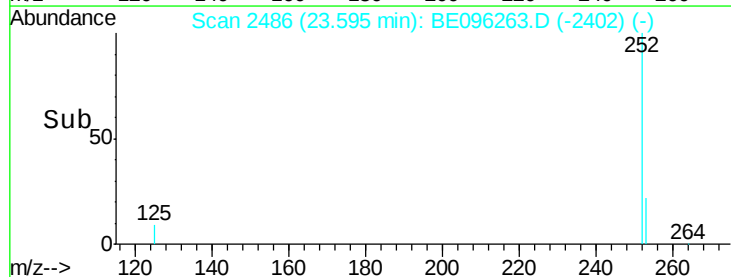
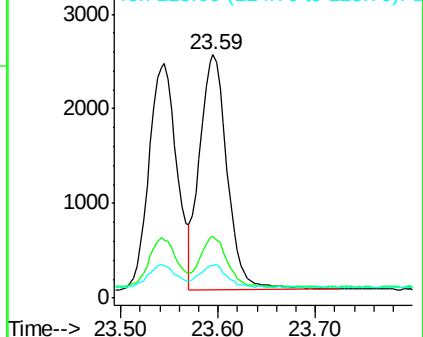
125 13.5 8.0 12.0#



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: 0.420 ng

RT: 24.23 min Scan# 2665

Delta R.T. -0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :

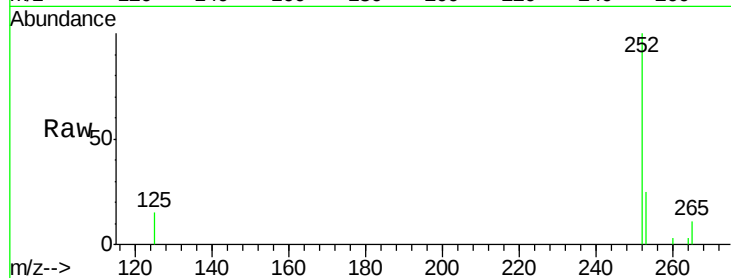
Tot Ion:252 Resp: 4496

Ion Ratio Lower Upper

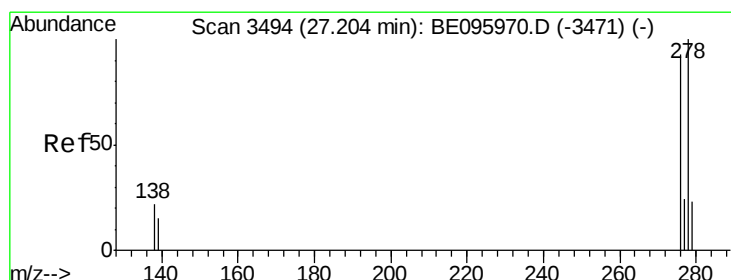
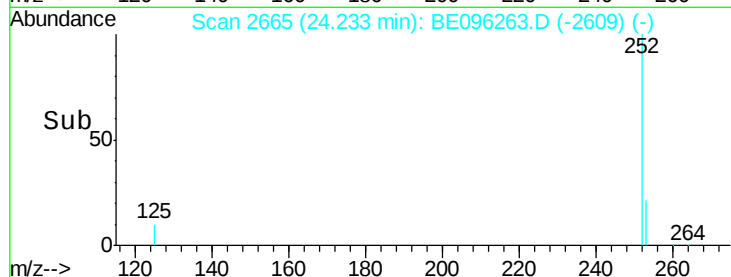
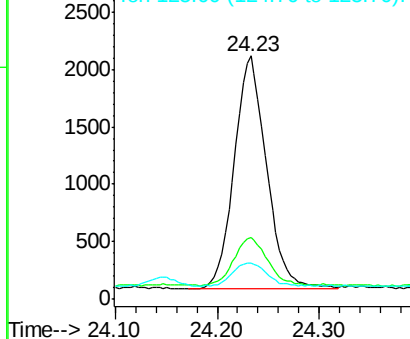
252 100

253 25.1 16.0 24.0#

125 15.0 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: 0.433 ng

RT: 27.14 min Scan# 3476

Delta R.T. 0.00 min

Lab File: BE096263.D

Acq: 1 May 2018 18:40

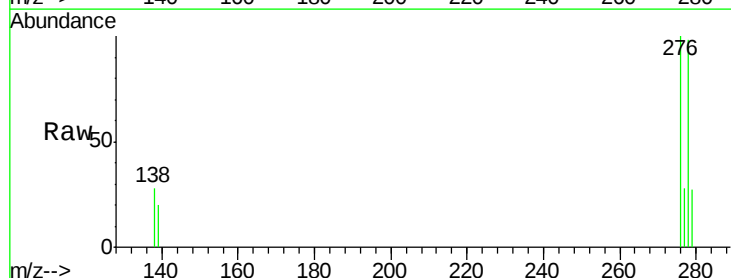
Tgt Ion:278 Resp: 4093

Ion Ratio Lower Upper

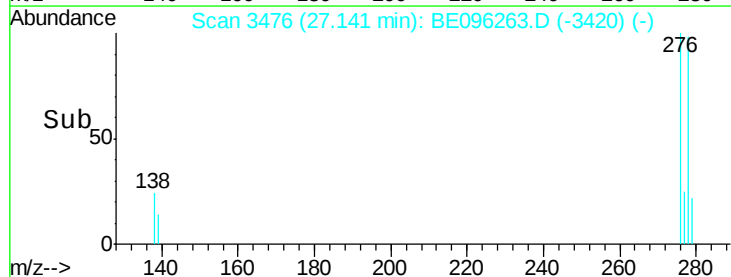
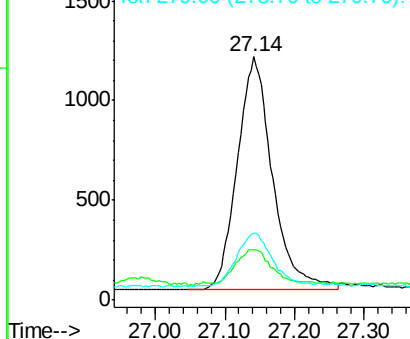
278 100

139 20.9 16.0 24.0

279 27.6 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(a,h,i)perylene

Concen: 0.431 ng

RT: 28.00 min Scan# 3716

Delta R.T. 0.00 min

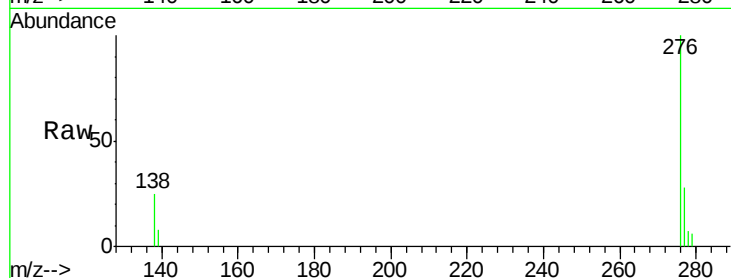
Lab File: BE096263.D

Acq: 1 May 2018 18:40

Instrument :

BNA_E

ClientSampleId :



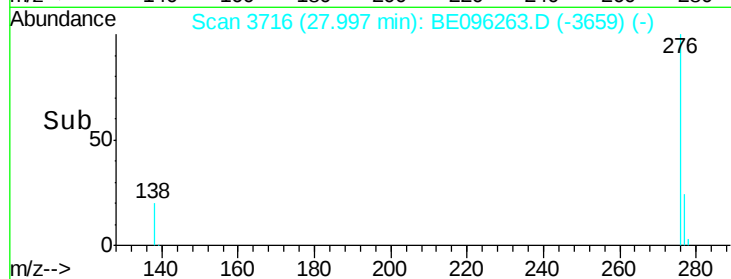
Tot Ion: 276 Resp: 4302

Ion Ratio Lower Upper

276 100

277 27.6 16.0 24.0#

138 25.2 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

