

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051618\
 Data File : BE096592.D
 Acq On : 16 May 2018 12:36
 Operator : SJ/JU
 Sample : J2133-01
 Misc : LOD 0.1
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 03:54:29 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 15 13:02:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	643	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2711	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1613	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3629	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3460	0.40	ng	0.00
34) Perylene-d12	24.33	264	3124	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	564	0.32	ng	0.00
5) Phenol-d6	7.51	99	739	0.29	ng	0.00
8) Nitrobenzene-d5	9.53	82	1013	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1584	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	155	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2443	0.35	ng	0.00
25) Fluoranthene-d10	19.62	212	16310	0.37	ng	0.00
29) Terphenyl-d14	20.18	244	2490	0.32	ng	0.00

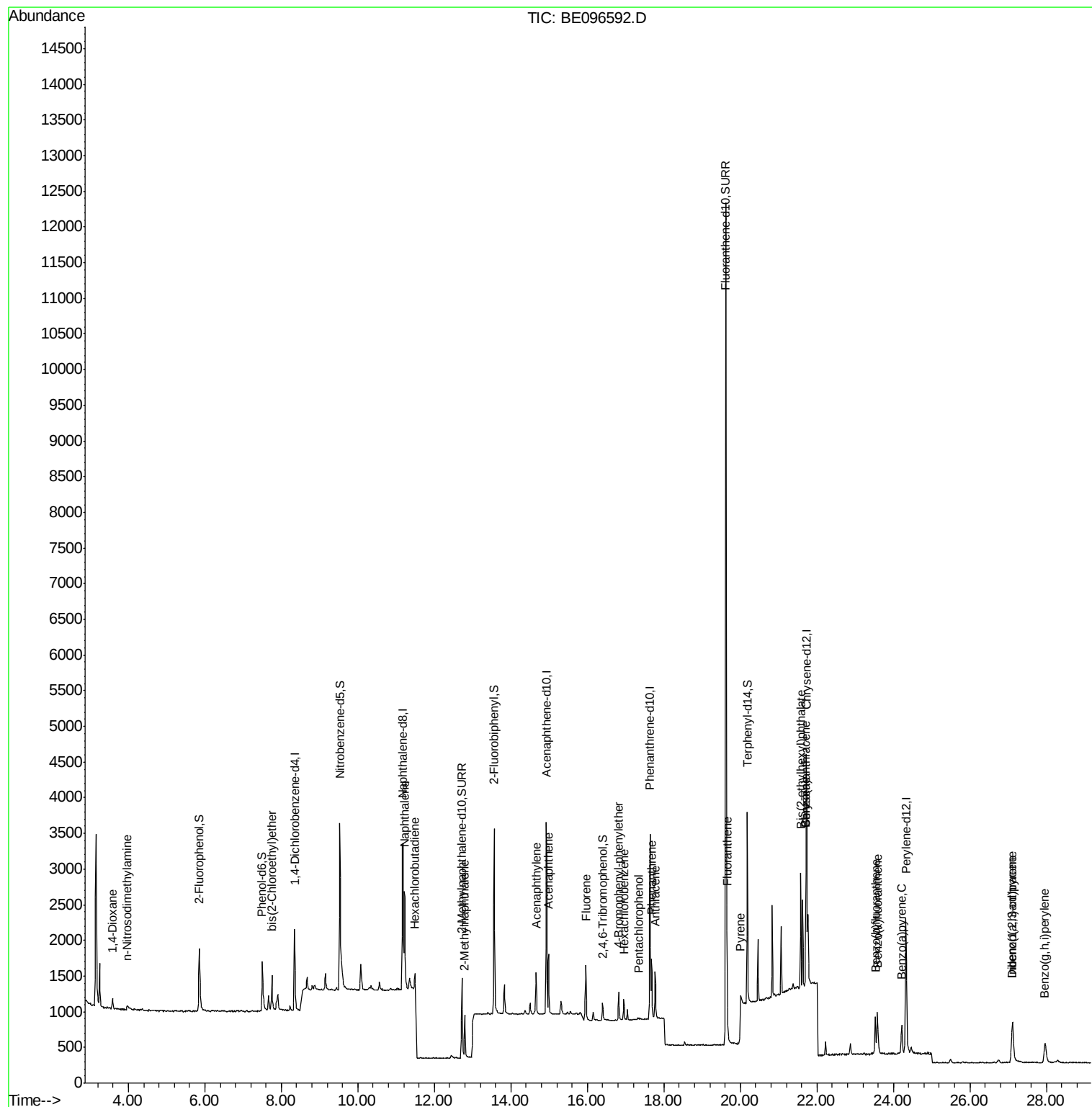
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.58	88	99	0.103	ng	94
3) n-Nitrosodimethylamine	3.96	42	83	0.069	ng	# 72
6) bis(2-Chloroethyl)ether	7.75	93	220	0.094	ng	80
9) Naphthalene	11.22	128	2624	0.092	ng	# 93
10) Hexachlorobutadiene	11.49	225	149	0.093	ng	96
12) 2-Methylnaphthalene	12.79	142	432	0.088	ng	# 87
16) Acenaphthylene	14.66	152	697	0.083	ng	96
17) Acenaphthene	14.99	154	439	0.086	ng	88
18) Fluorene	15.96	166	560	0.088	ng	# 74
20) 4-Bromophenyl-phenylether	16.82	248	193	0.088	ng	# 75
21) Hexachlorobenzene	16.95	284	209	0.091	ng	# 79
22) Pentachlorophenol	17.35	266	22	0.212	ng	100
23) Phenanthrene	17.67	178	893	0.088	ng	98
24) Anthracene	17.77	178	786	0.083	ng	# 95
26) Fluoranthene	19.65	202	1082	0.089	ng	# 97
28) Pyrene	20.00	202	500	0.080	ng	95
30) Benzo(a)anthracene	21.72	228	928	0.087	ng	95
31) Chrysene	21.72	228	560	0.051	ng	95
32) Bis(2-ethylhexyl)phthalate	21.58	149	1931	0.085	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.10	276	415	0.039	ng	# 59
35) Benzo(b)fluoranthene	23.53	252	839	0.087	ng	# 89
36) Benzo(k)fluoranthene	23.58	252	898	0.088	ng	# 69
37) Benzo(a)pyrene	24.22	252	783	0.085	ng	# 68
38) Dibenzo(a,h)anthracene	27.12	278	704	0.084	ng	# 69
39) Benzo(g,h,i)perylene	27.96	276	790	0.090	ng	# 69

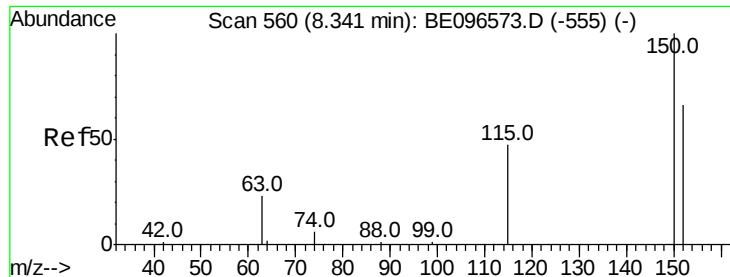
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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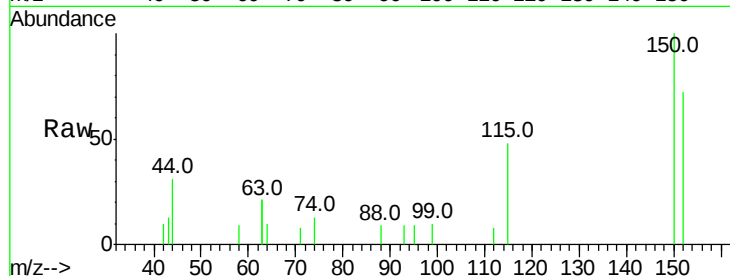


#1

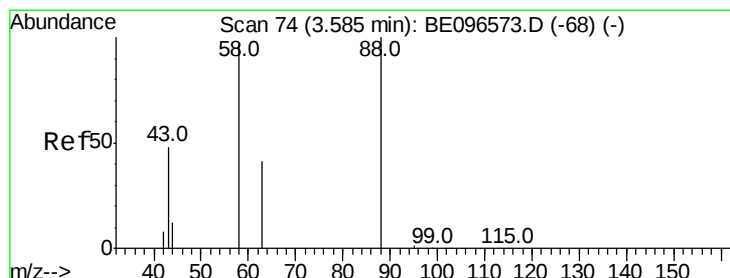
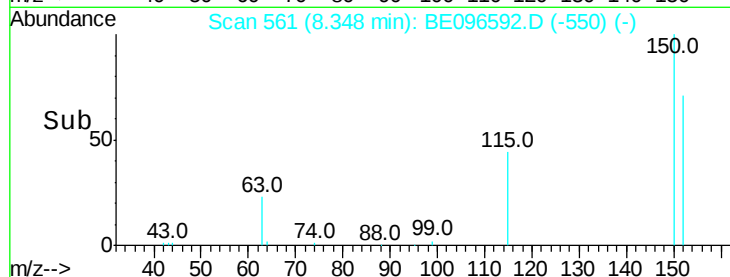
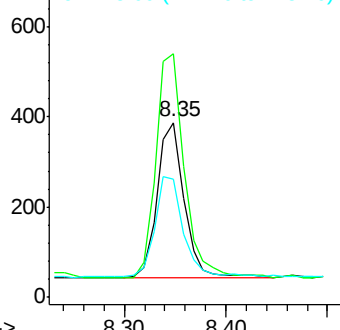
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.35 min Scan# 561
Delta R.T. 0.01 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 643
Ion Ratio Lower Upper
152 100
150 138.9 117.2 175.8
115 67.3 57.0 85.6



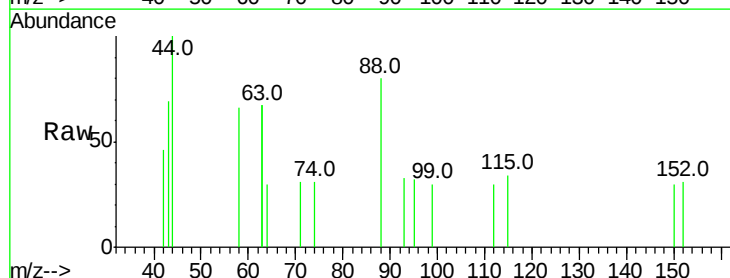
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



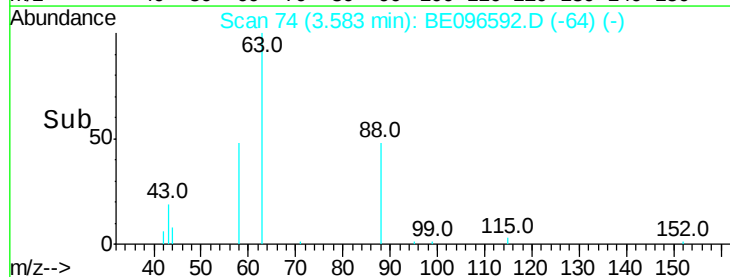
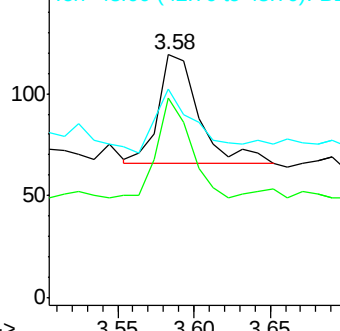
#2

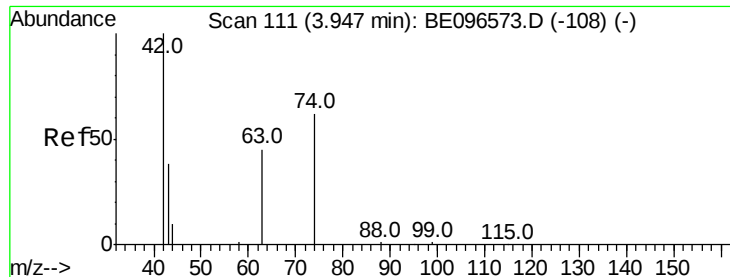
1,4-Dioxane
Concen: 0.103 ng
RT: 3.58 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
58 74.7 63.2 94.8
43 56.6 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



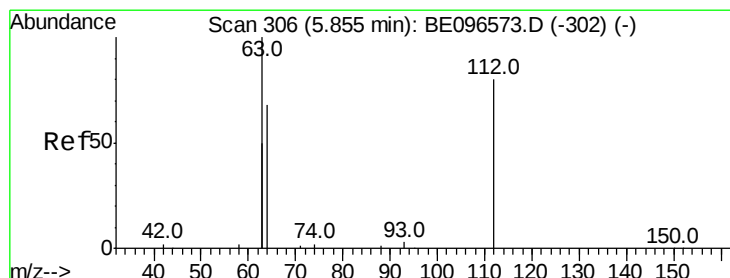
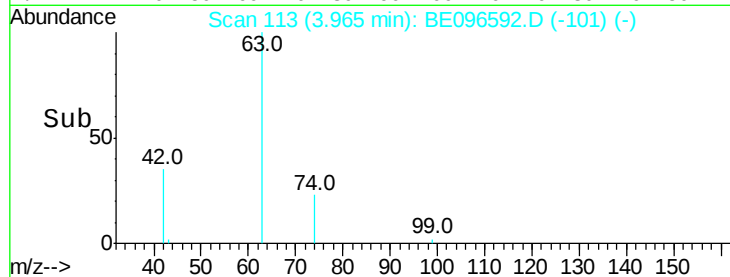
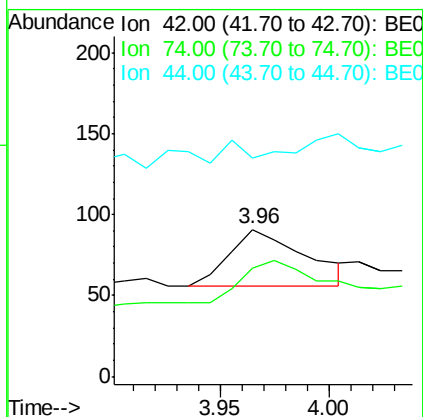
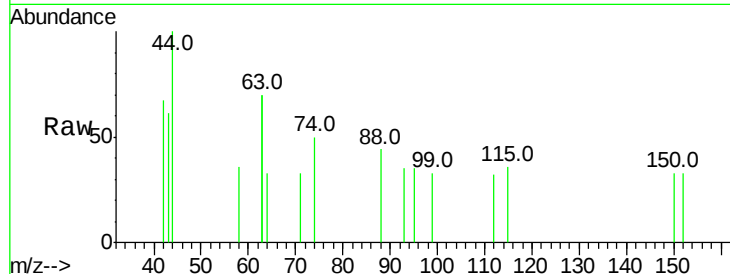


#3

n-Nitrosodimethylamine
 Concen: 0.069 ng
 RT: 3.96 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: BE096592.D
 Acq: 16 May 2018 12:36

Instrument :
 BNA_E
 ClientSampled :

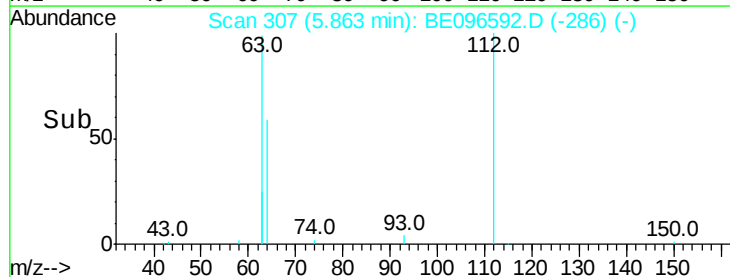
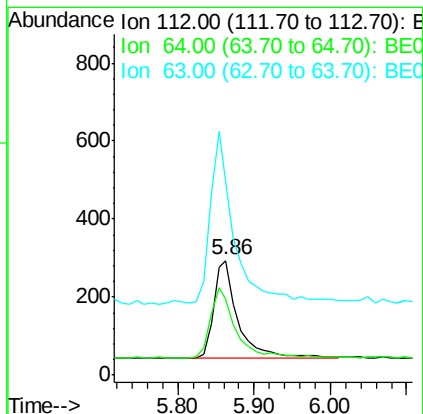
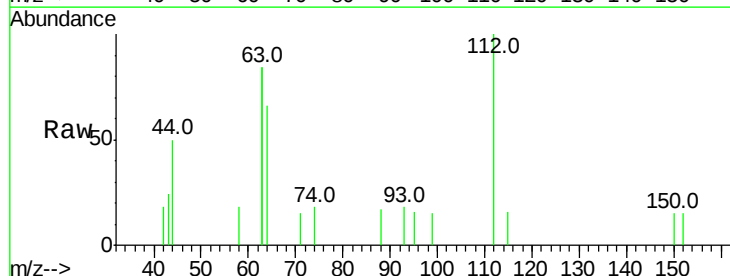
Tot Ion: 42 Resp: 83
 Ion Ratio Lower Upper
 42 100
 74 85.5 96.0 144.0#
 44 12.0 12.0 18.0

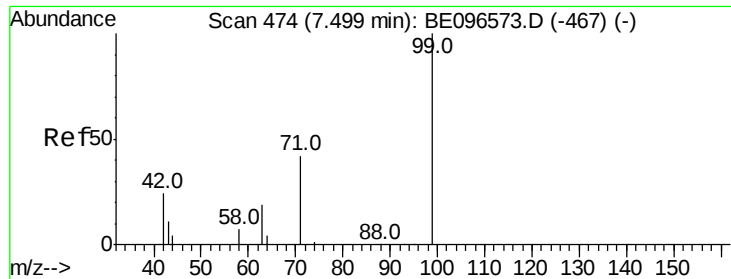


#4

2-Fluorophenol
 Concen: 0.318 ng
 RT: 5.86 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: BE096592.D
 Acq: 16 May 2018 12:36

Tgt Ion: 112 Resp: 564
 Ion Ratio Lower Upper
 112 100
 64 76.6 60.1 90.1
 63 166.7 116.8 175.2





#5

Phenol-d6

Concen: 0.295 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampled :

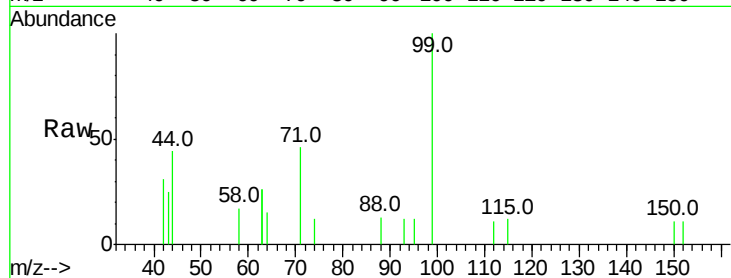
Tot Ion: 99 Resp: 739

Ion Ratio Lower Upper

99 100

42 31.1 20.2 30.2#

71 46.4 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

7.51

400

300

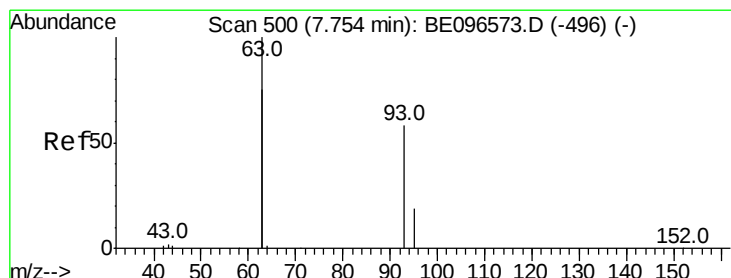
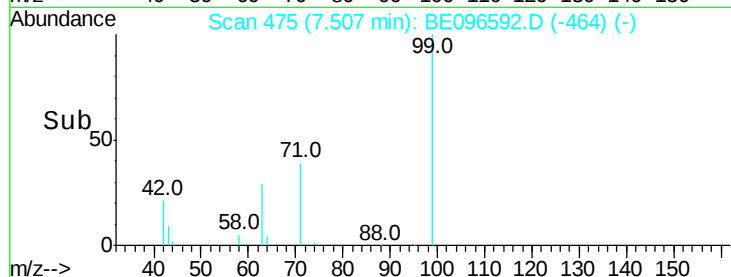
200

100

0

7.40 7.45 7.50 7.55 7.60

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.094 ng

RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

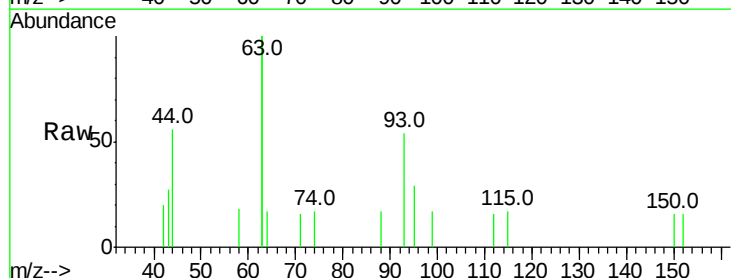
Tgt Ion: 93 Resp: 220

Ion Ratio Lower Upper

93 100

63 297.7 275.3 412.9

95 35.9 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

600

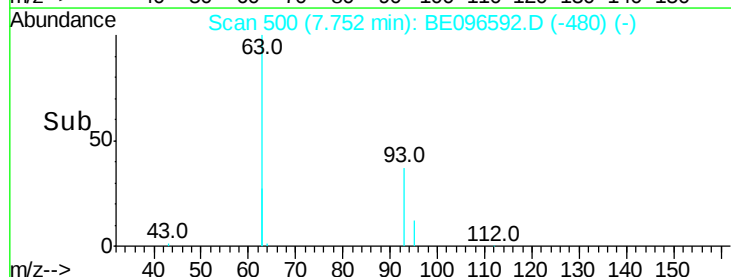
400

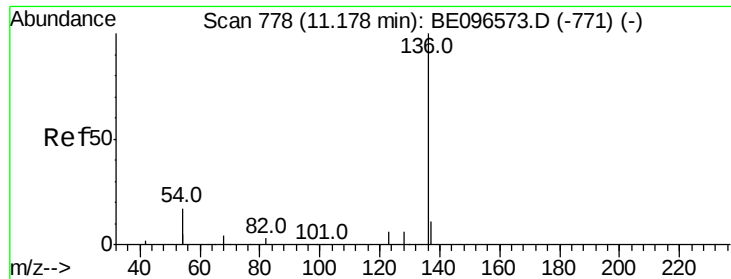
200

0

7.70 7.75 7.80 7.85 7.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 2711

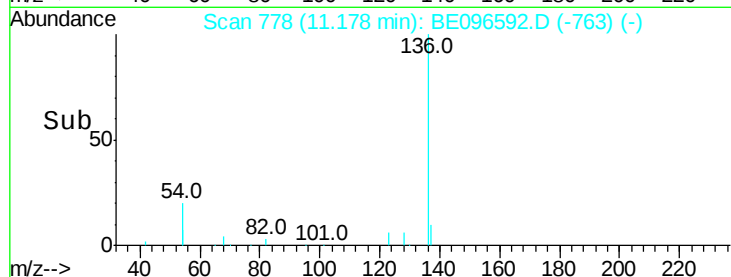
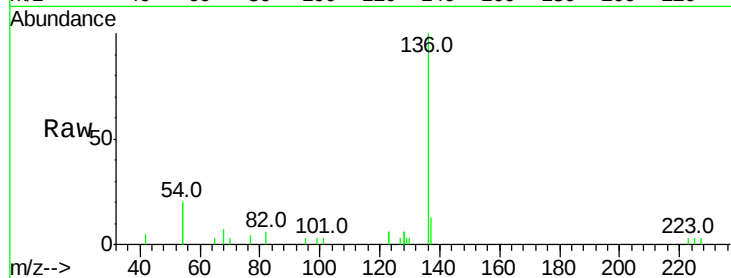
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 39.0 29.1 43.7

68 7.3 6.2 9.2

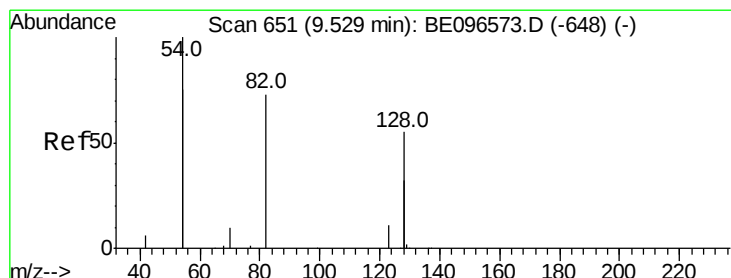
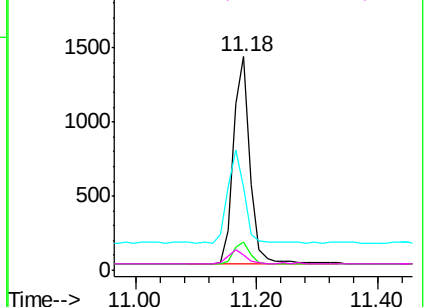


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.351 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

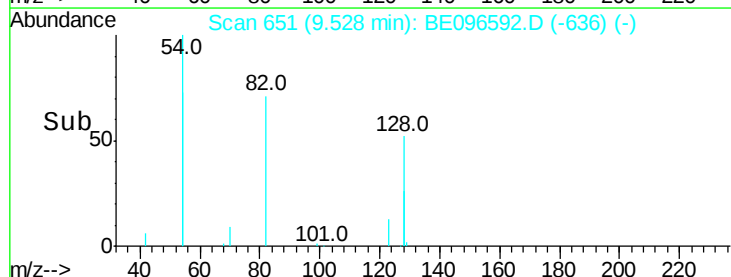
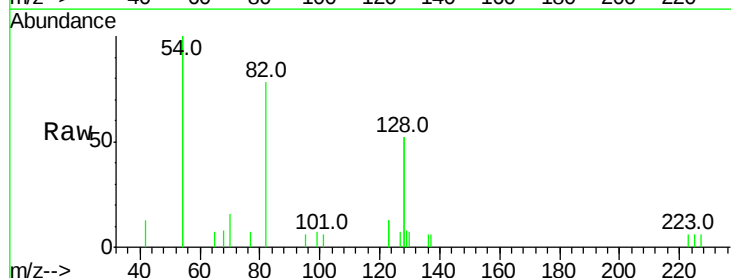
Tgt Ion: 82 Resp: 1013

Ion Ratio Lower Upper

82 100

128 133.7 150.0 225.0#

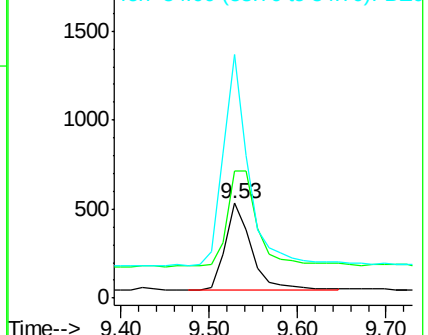
54 256.2 154.2 231.4#

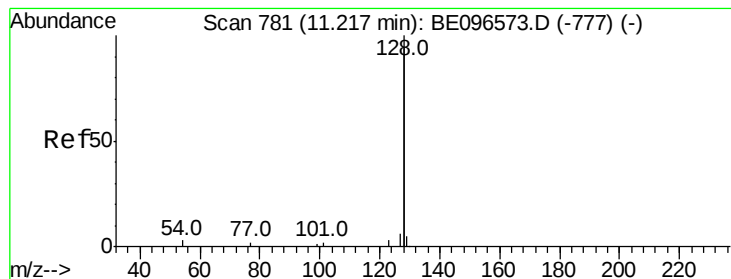


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.092 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

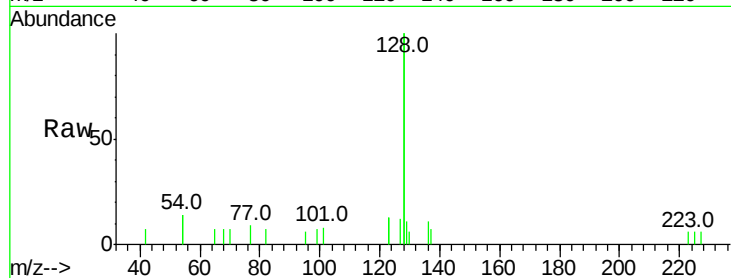
Tot Ion:128 Resp: 2624

Ion Ratio Lower Upper

128 100

129 5.5 2.6 3.8#

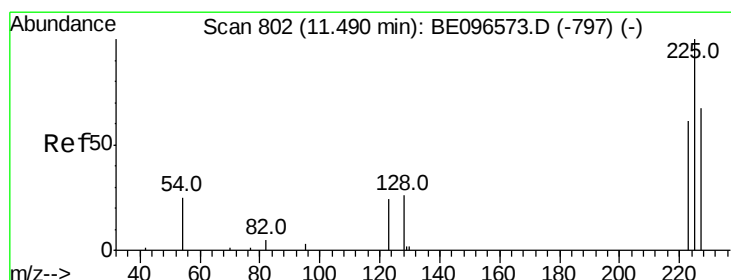
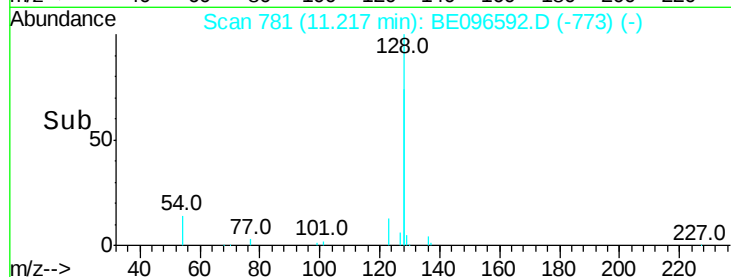
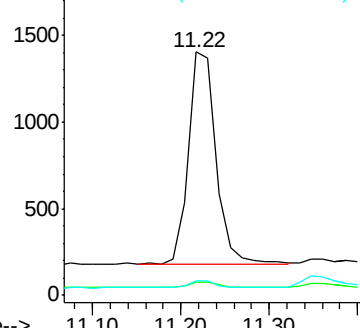
127 6.1 2.8 4.2#



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: 0.093 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

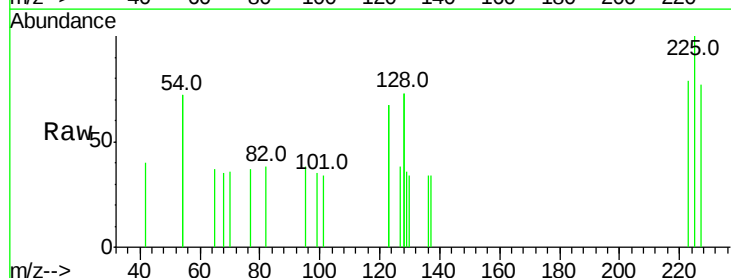
Tgt Ion:225 Resp: 149

Ion Ratio Lower Upper

225 100

223 60.4 53.0 79.6

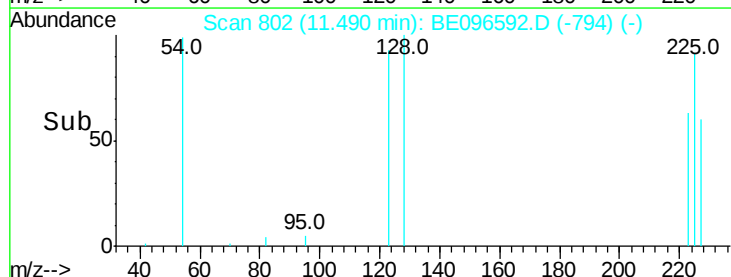
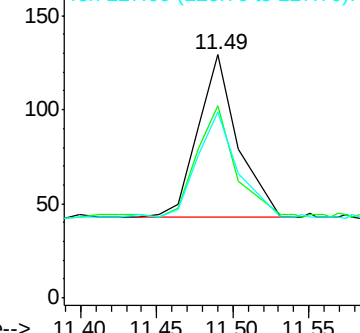
227 65.1 51.4 77.2

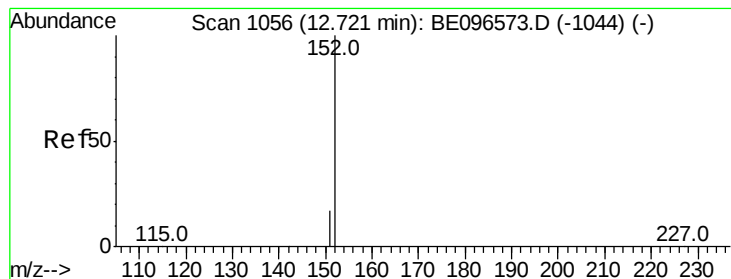


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.358 ng

RT: 12.72 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

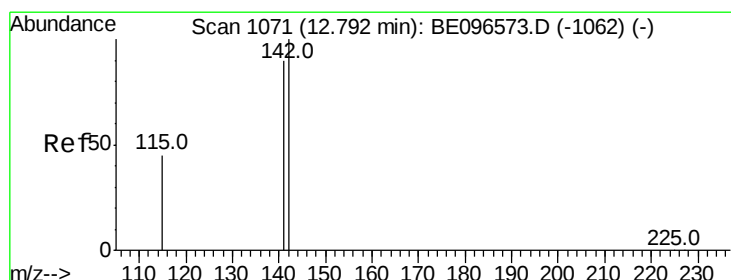
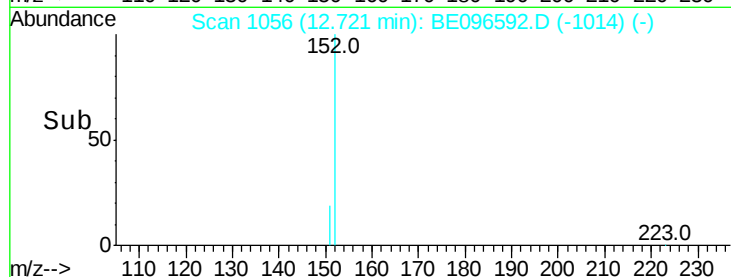
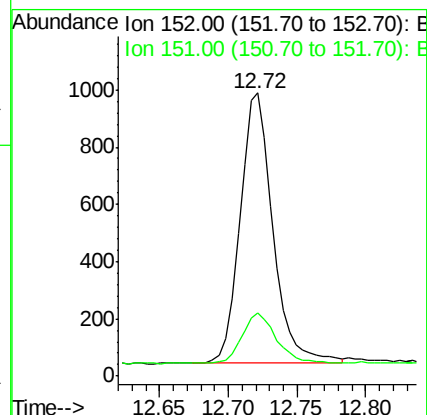
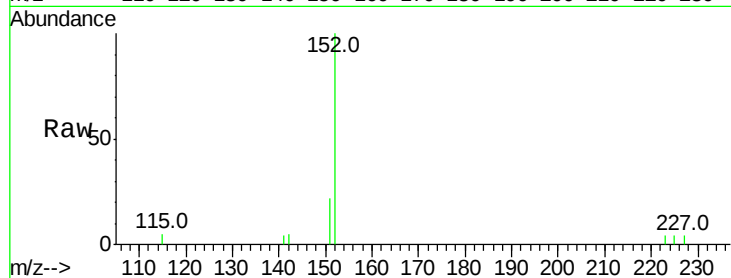
ClientSampled :

Tot Ion:152 Resp: 1584

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.088 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

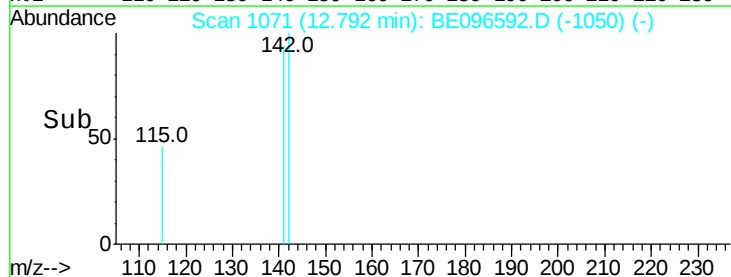
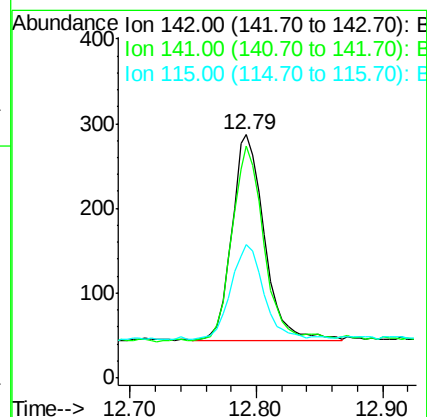
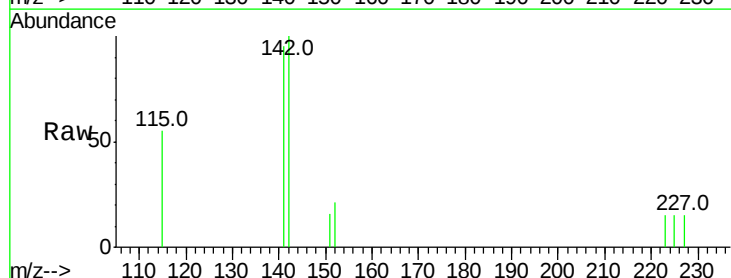
Tgt Ion:142 Resp: 432

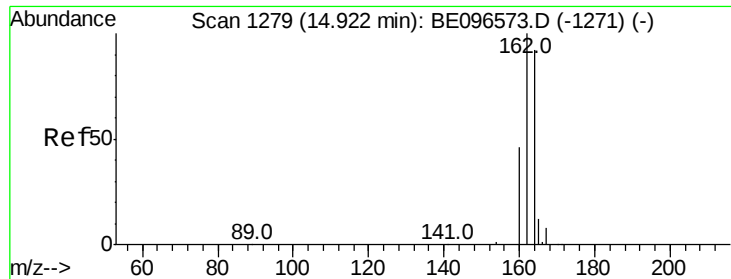
Ion Ratio Lower Upper

142 100

141 95.1 70.4 105.6

115 54.7 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.92 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

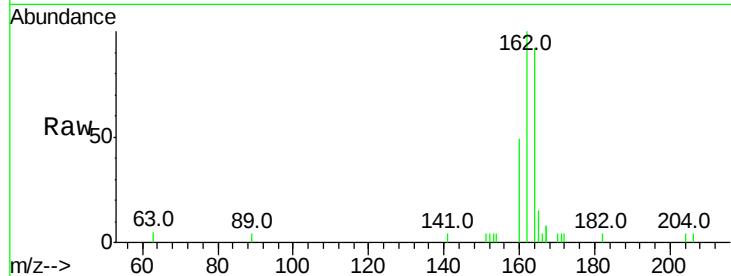
Tot Ion:164 Resp: 1613

Ion Ratio Lower Upper

164 100

162 108.5 83.1 124.7

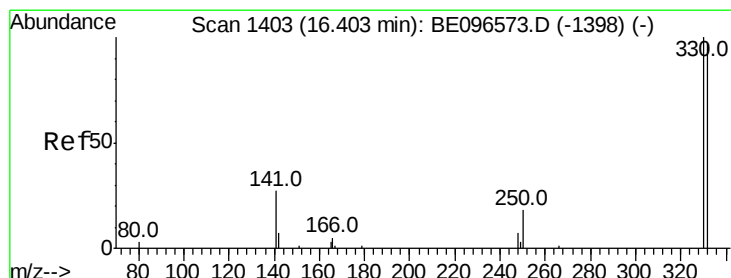
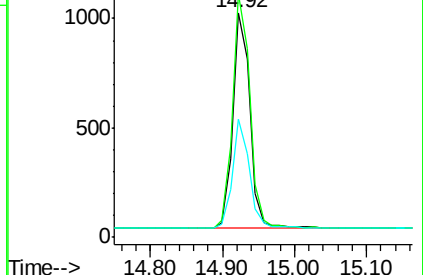
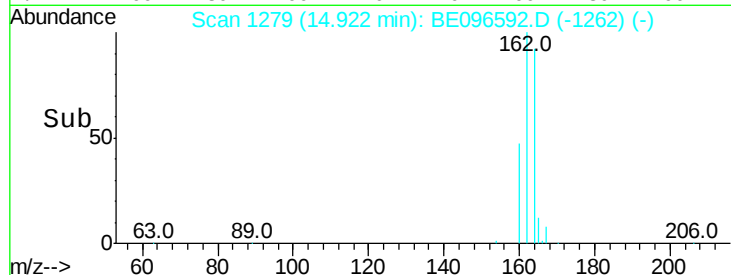
160 52.9 37.1 55.7



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: 0.243 ng

RT: 16.40 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

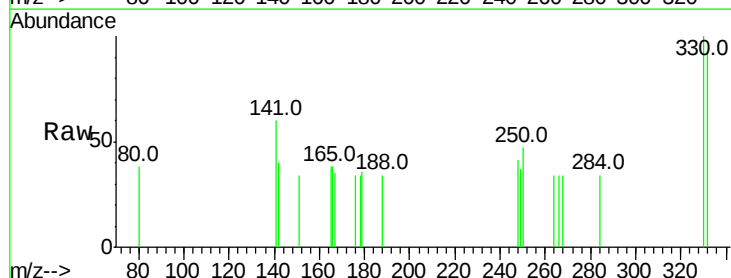
Tgt Ion:330 Resp: 155

Ion Ratio Lower Upper

330 100

332 94.2 152.7 229.1#

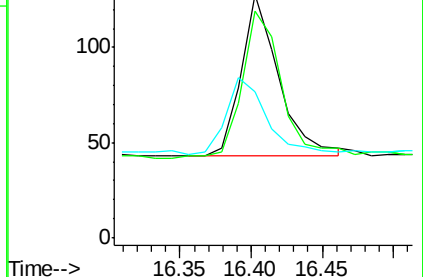
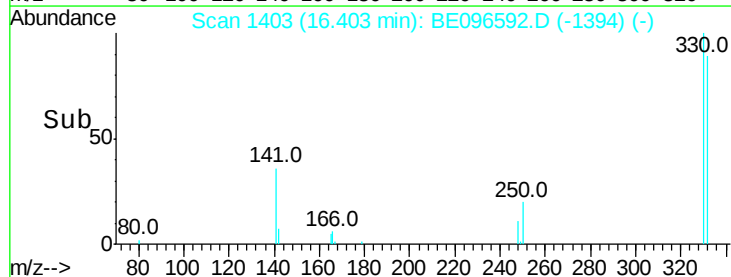
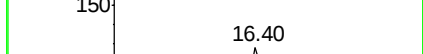
141 51.0 33.7 50.5#

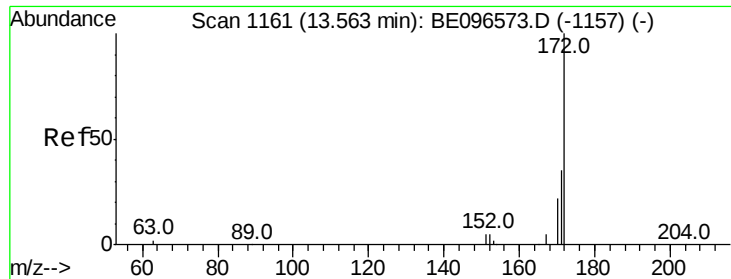


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

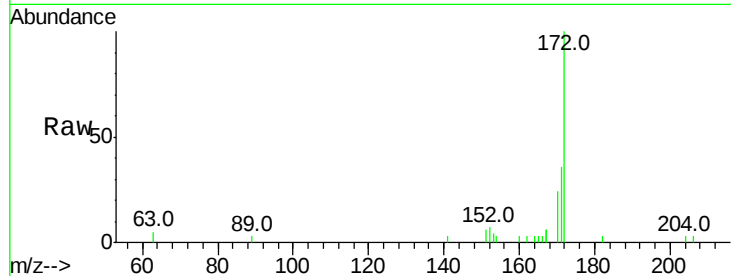




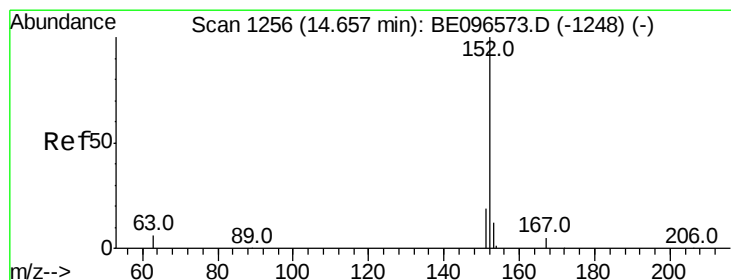
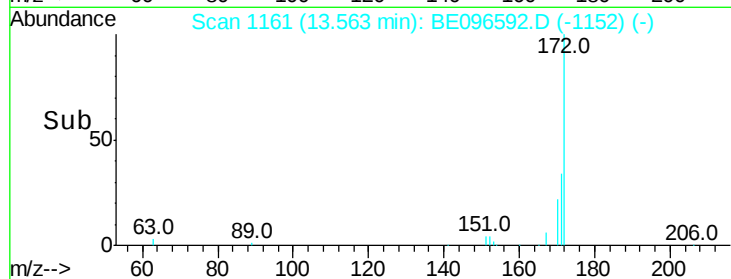
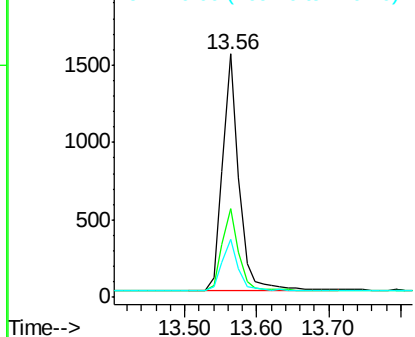
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 13.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2443
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 24.0 21.8 32.8

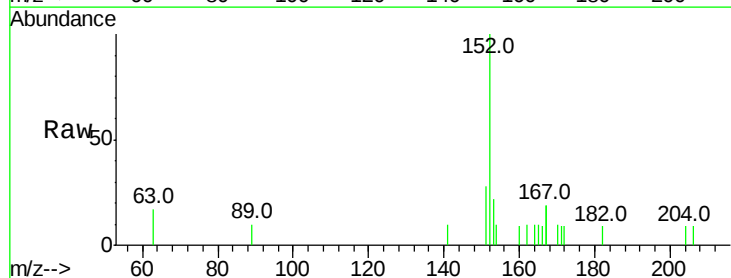


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

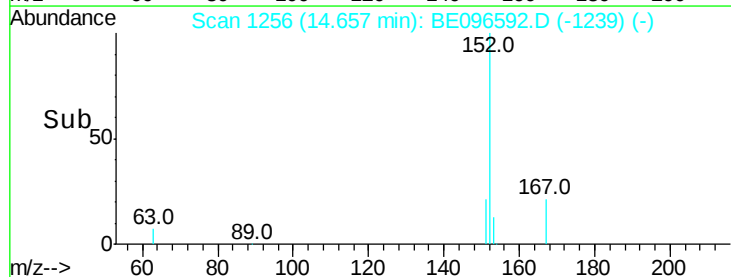
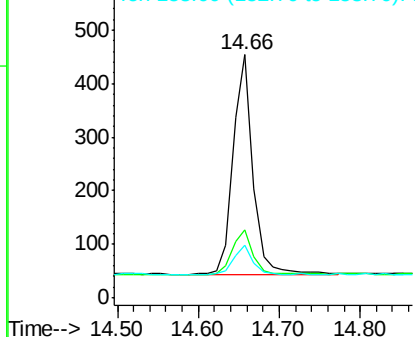


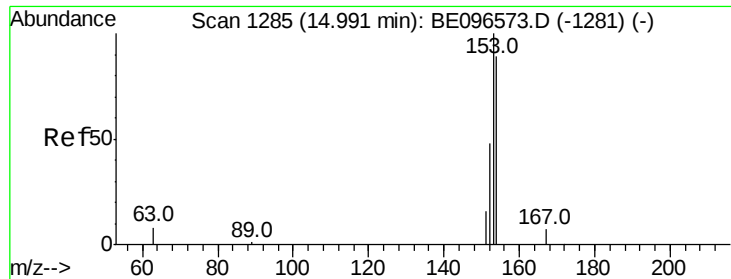
#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.66 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Tgt Ion:152 Resp: 697
Ion Ratio Lower Upper
152 100
151 22.4 15.7 23.5
153 13.2 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: 0.086 ng

RT: 14.99 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

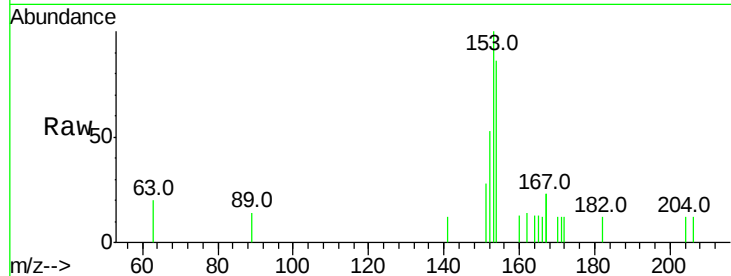
Tot Ion:154 Resp: 439

Ion Ratio Lower Upper

154 100

153 125.1 89.2 133.8

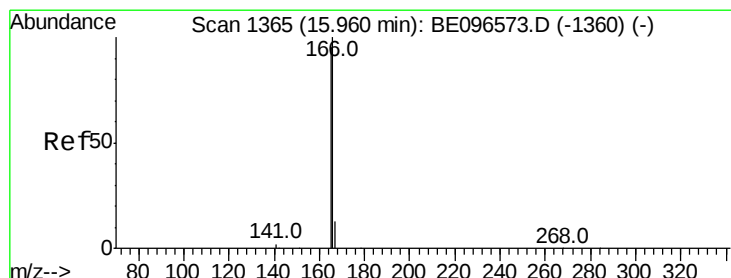
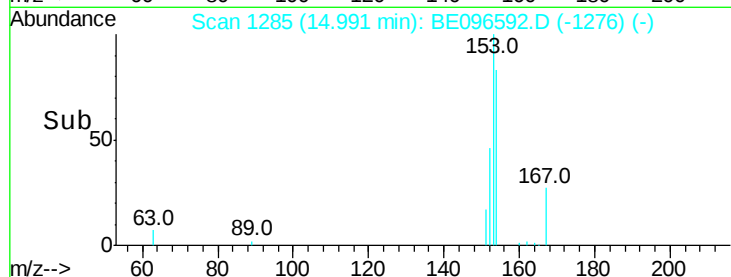
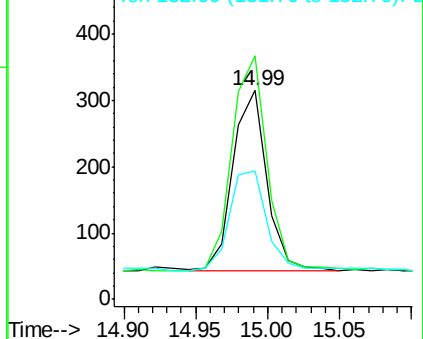
152 60.8 42.0 63.0



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: 0.088 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

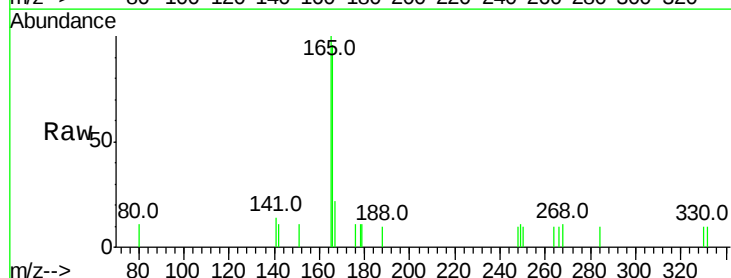
Tgt Ion:166 Resp: 560

Ion Ratio Lower Upper

166 100

165 106.8 77.8 116.6

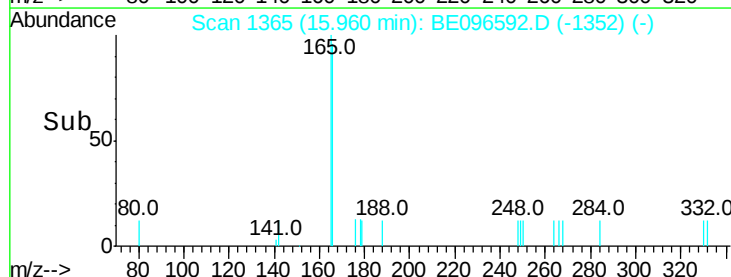
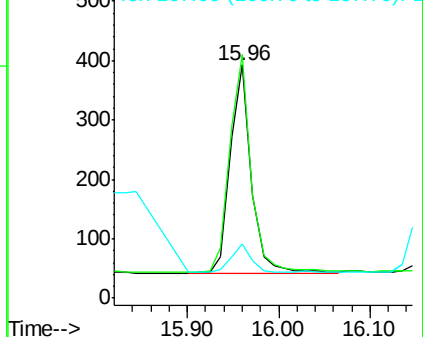
167 12.9 42.4 63.6#

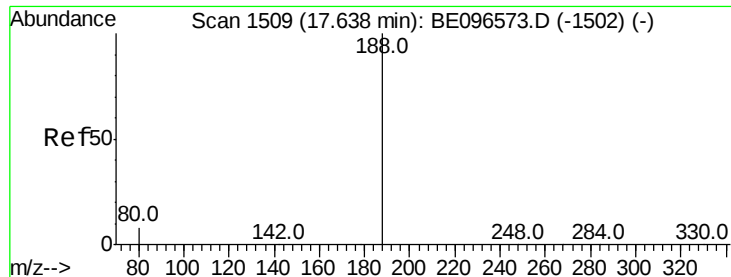


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

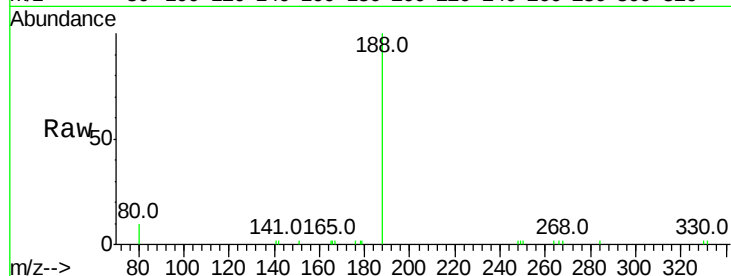
Tot Ion:188 Resp: 3629

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

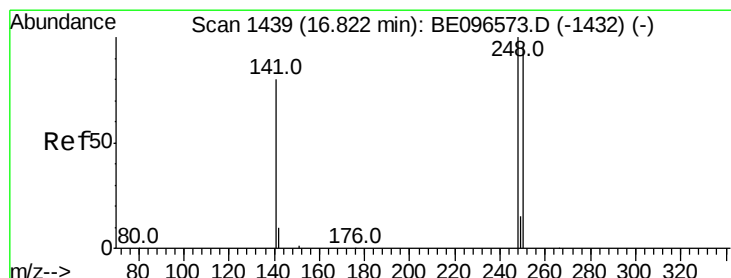
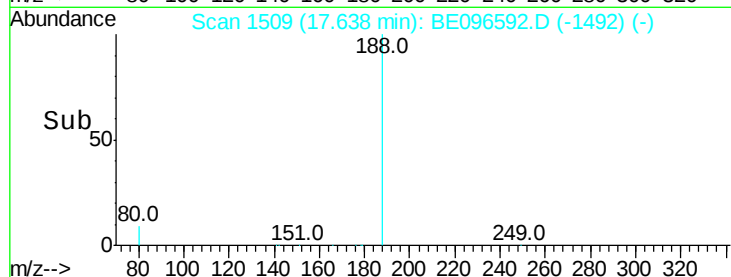
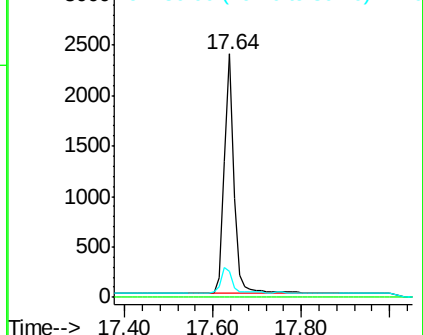
80 10.5 3.6 5.4#



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: 0.088 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

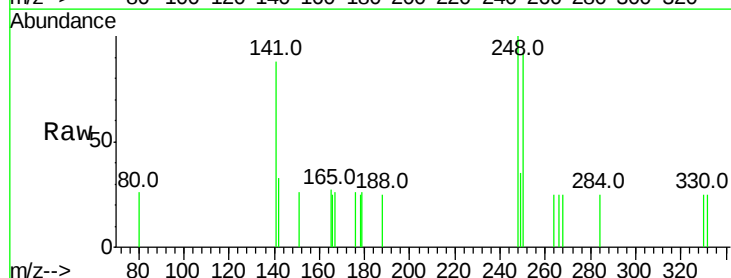
Tgt Ion:248 Resp: 193

Ion Ratio Lower Upper

248 100

250 92.0 62.7 94.1

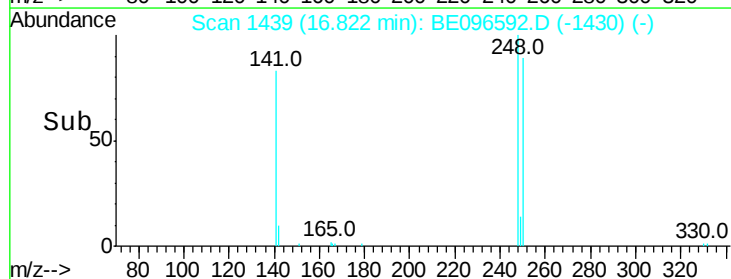
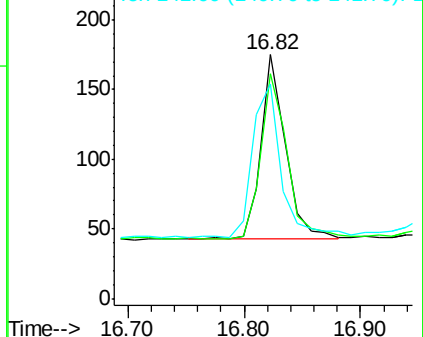
141 88.0 48.2 72.2#

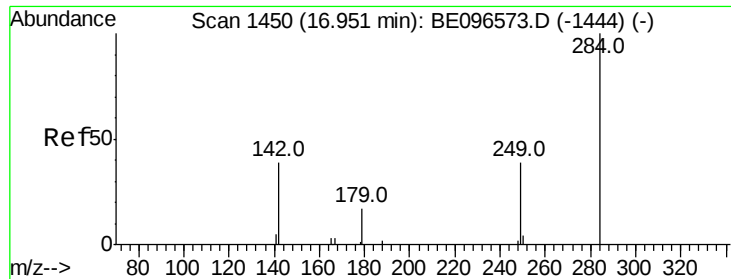


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

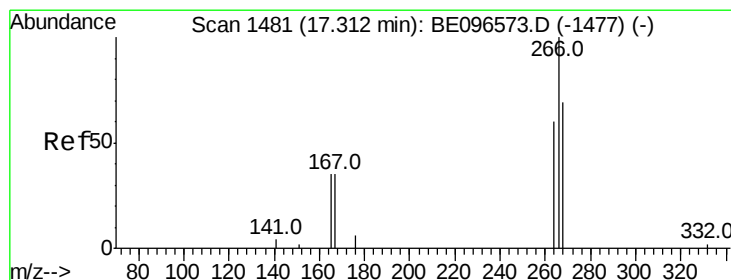
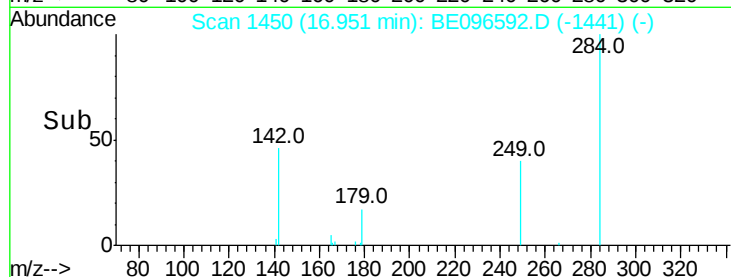
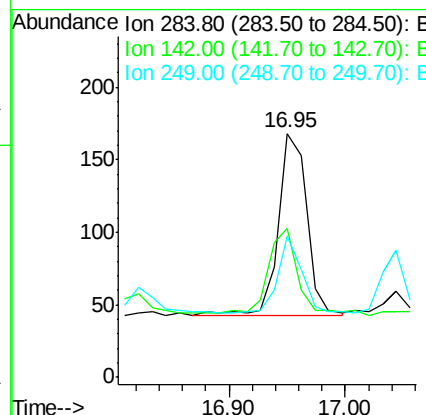
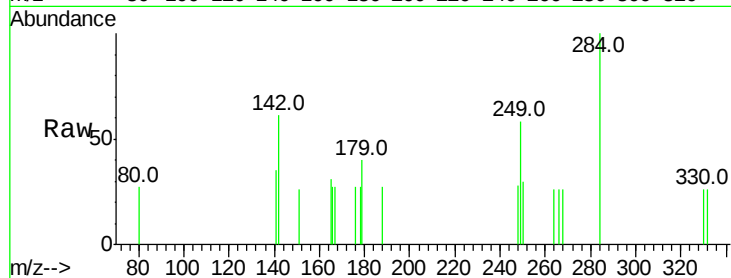




#21
Hexachlorobenzene
Concen: 0.091 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

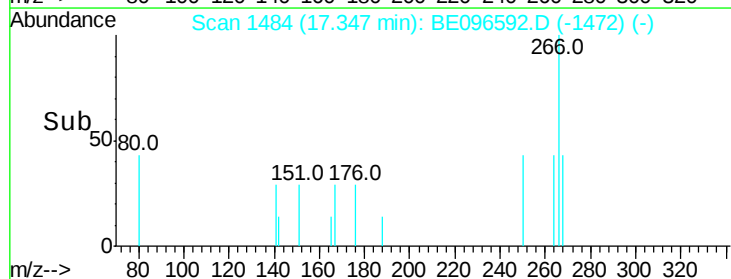
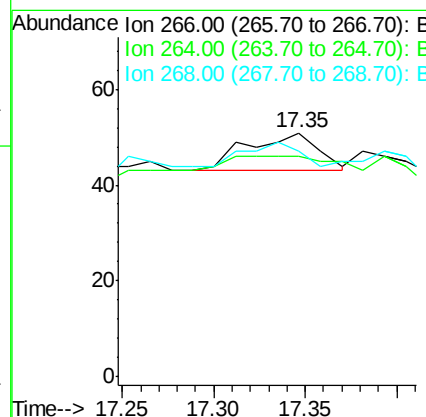
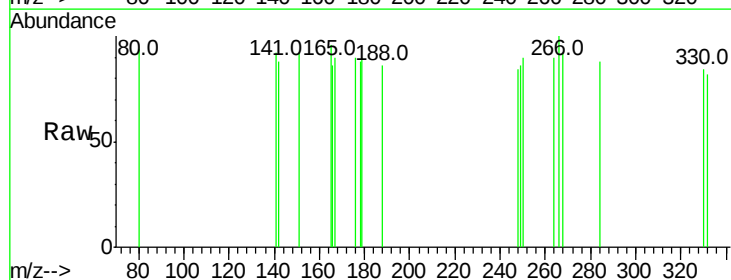
Instrument :
BNA_E
ClientSampleId :

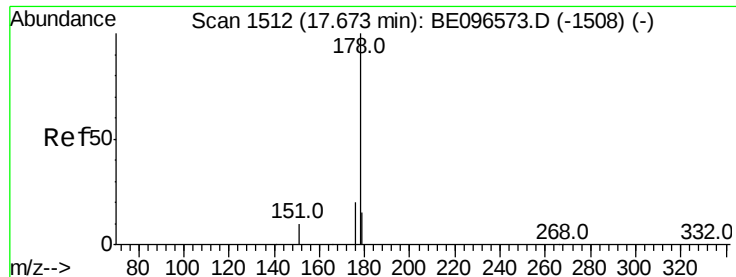
Tot Ion:284 Resp: 209
Ion Ratio Lower Upper
284 100
142 47.4 22.1 33.1#
249 36.4 34.8 52.2



#22
Pentachlorophenol
Concen: 0.212 ng
RT: 17.35 min Scan# 1484
Delta R.T. 0.04 min
Lab File: BE096592.D
Acq: 16 May 2018 12:36

Tgt Ion:266 Resp: 22
Ion Ratio Lower Upper
266 100
264 90.2 72.5 108.7
268 92.2 73.8 110.6





#23

Phenanthrene

Concen: 0.088 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

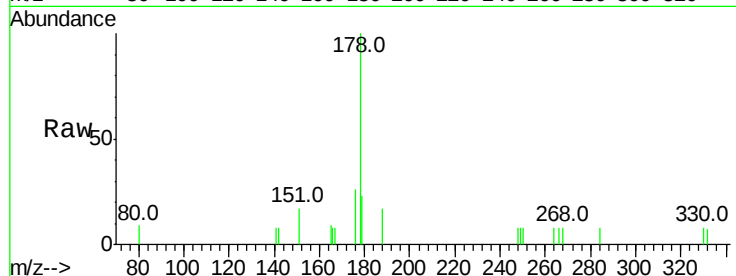
Tot Ion:178 Resp: 893

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

179 15.0 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

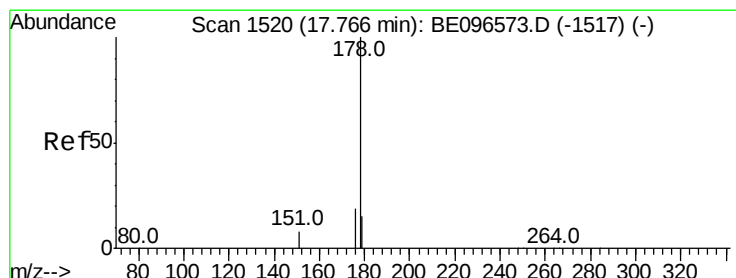
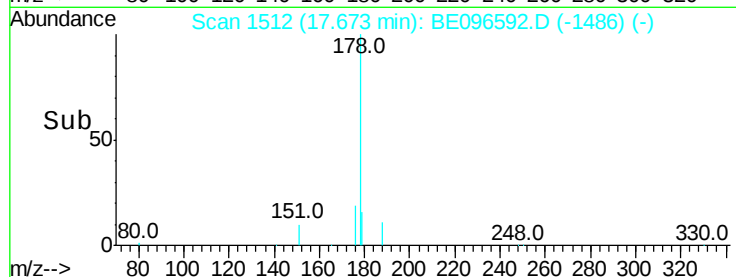
17.67

400

200

0

Time-->



#24

Anthracene

Concen: 0.083 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

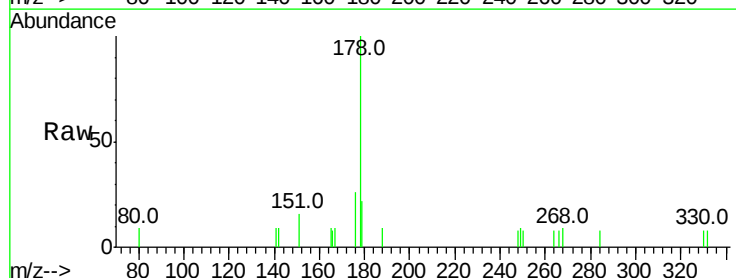
Tgt Ion:178 Resp: 786

Ion Ratio Lower Upper

178 100

176 19.7 12.8 19.2#

179 15.8 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

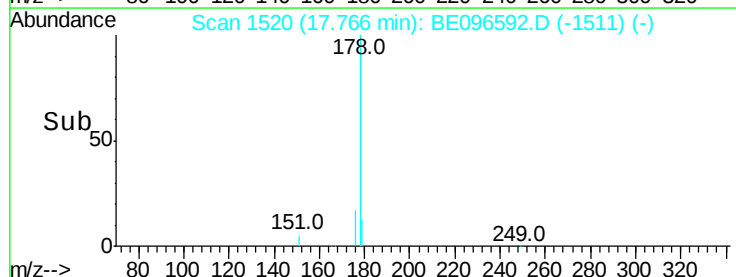
17.77

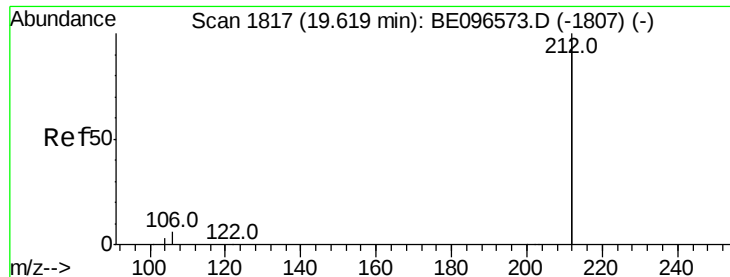
400

200

0

Time-->





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096592.D

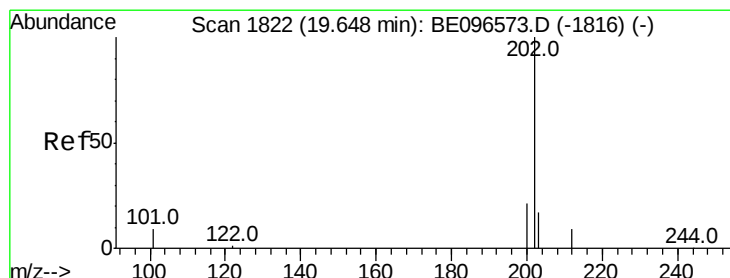
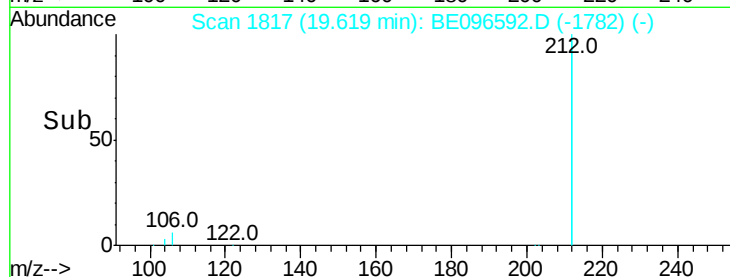
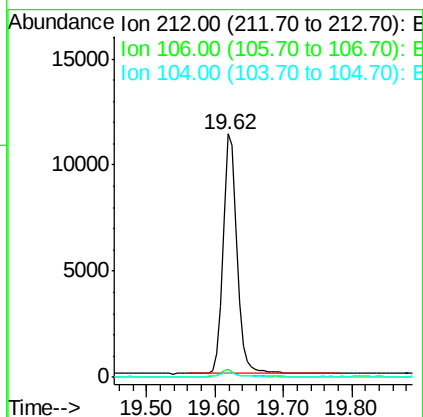
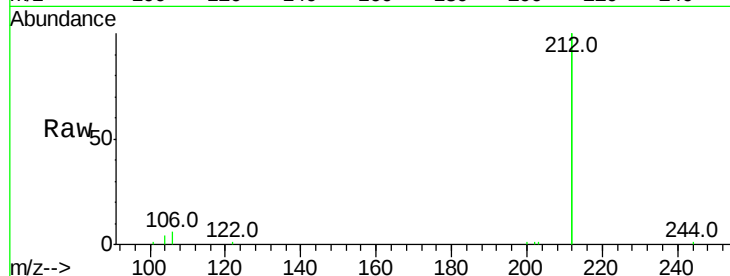
Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	16310
Ion Ratio	Lower	Upper
212	100	
106	2.7	2.8 4.2#
104	1.6	1.6 2.4



#26

Fluoranthene

Concen: 0.089 ng

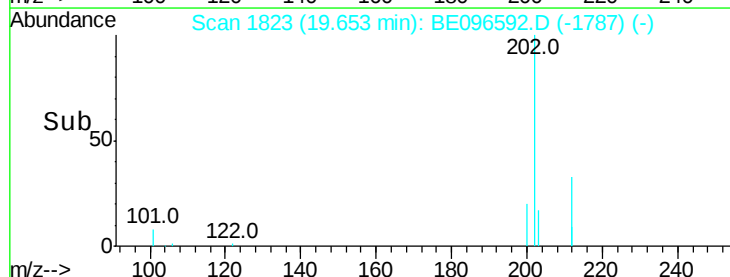
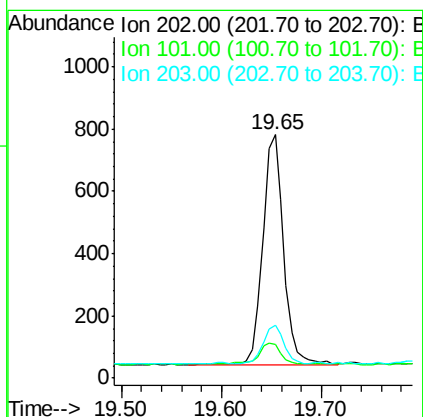
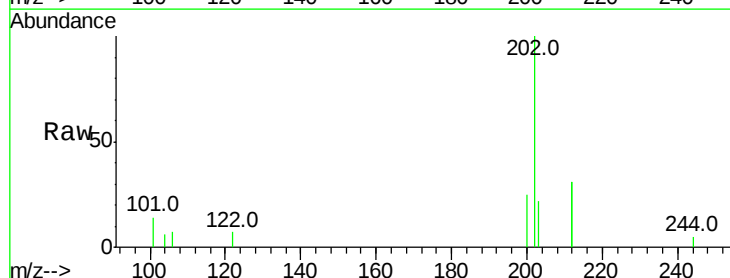
RT: 19.65 min Scan# 1823

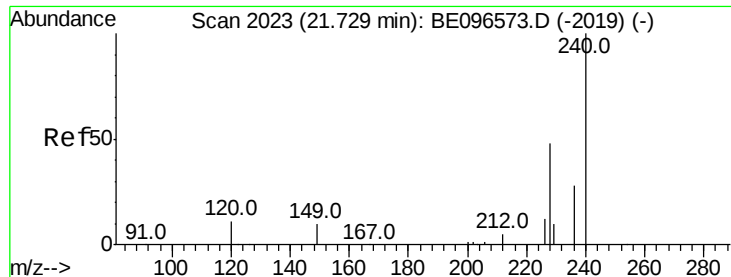
Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Tgt Ion:202	Resp:	1082
Ion Ratio	Lower	Upper
202	100	
101	9.7	9.8 14.8#
203	17.0	13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampled :

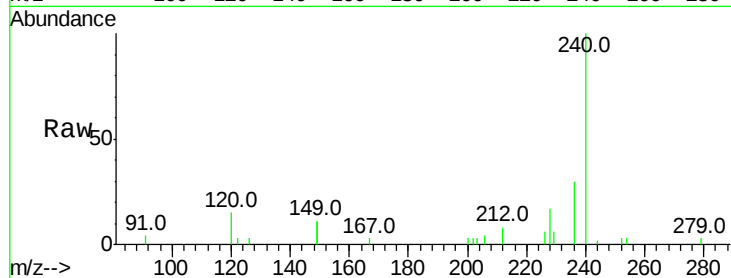
Tot Ion:240 Resp: 3460

Ion Ratio Lower Upper

240 100

120 15.0 5.5 8.3#

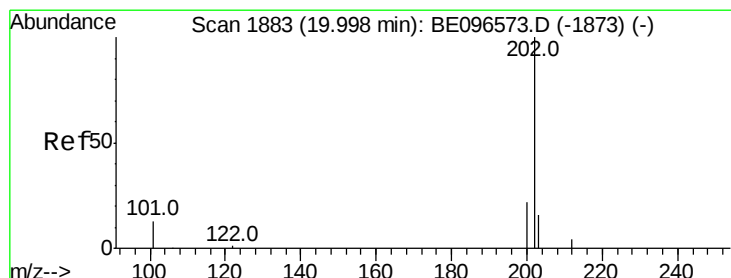
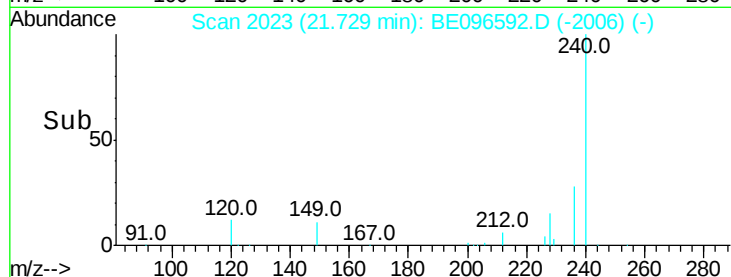
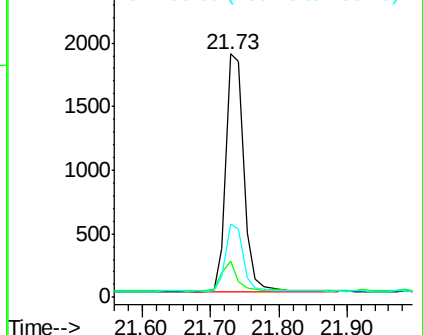
236 30.0 20.7 31.1



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: 0.080 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

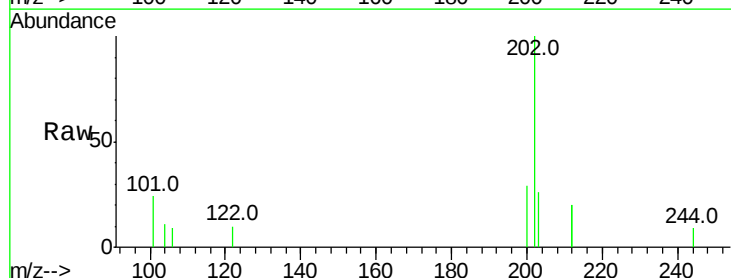
Tgt Ion:202 Resp: 500

Ion Ratio Lower Upper

202 100

200 24.8 16.6 25.0

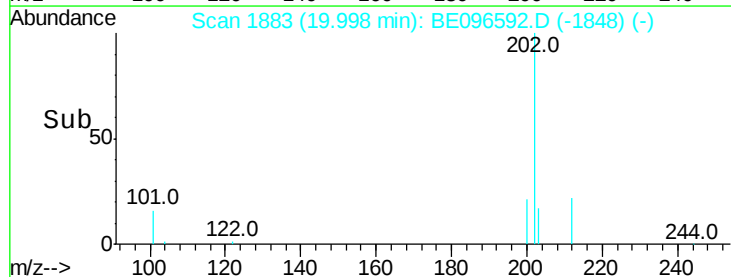
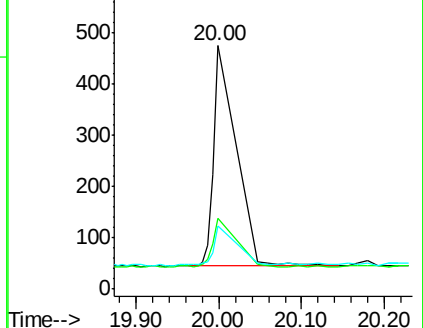
203 17.6 13.8 20.8

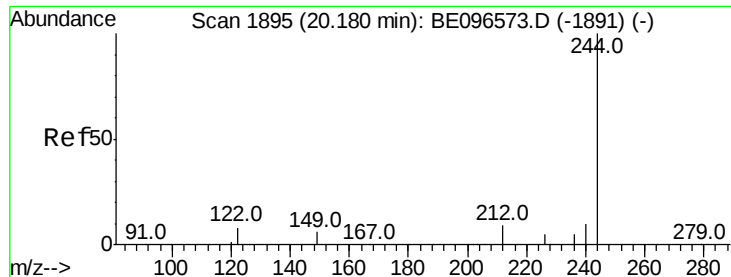


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.318 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

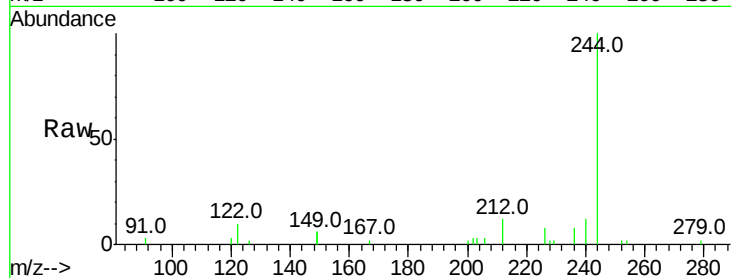
Tot Ion:244 Resp: 2490

Ion Ratio Lower Upper

244 100

212 11.8 25.4 38.0#

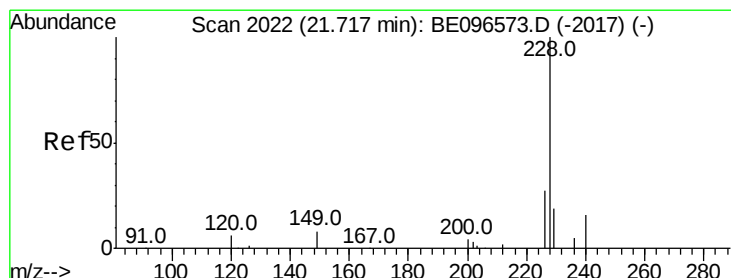
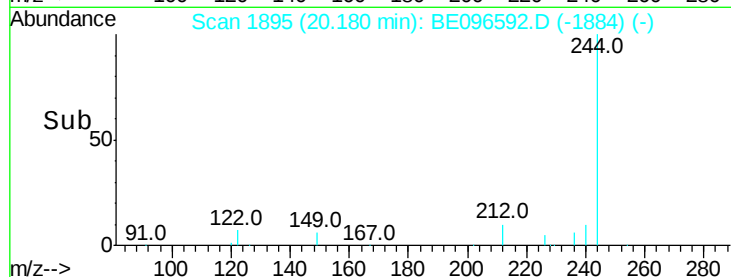
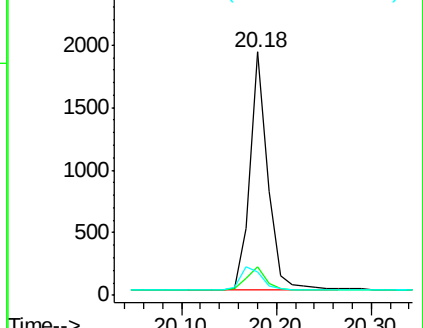
122 9.7 8.1 12.1



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: 0.087 ng

RT: 21.72 min Scan# 222

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

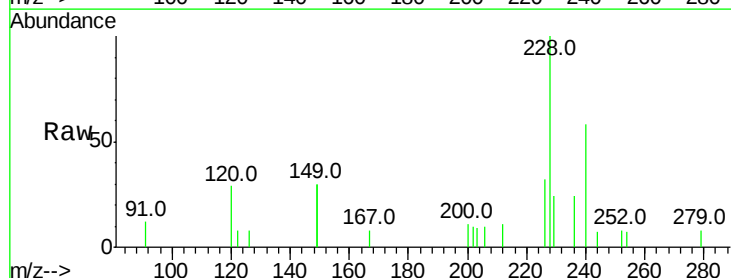
Tgt Ion:228 Resp: 928

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

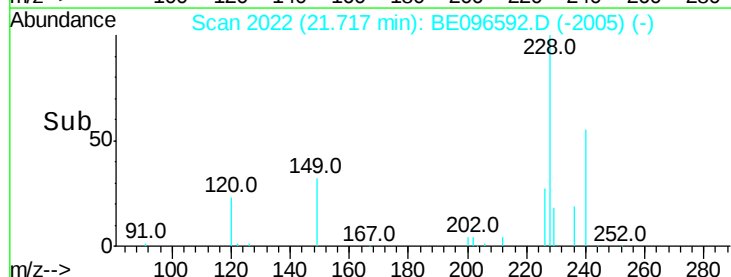
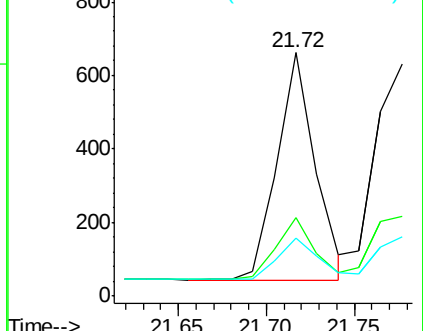
229 23.7 16.0 24.0

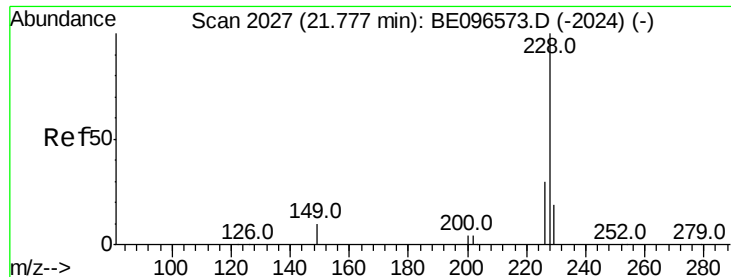


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.051 ng

RT: 21.72 min Scan# 2022

Delta R.T. -0.06 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampled :

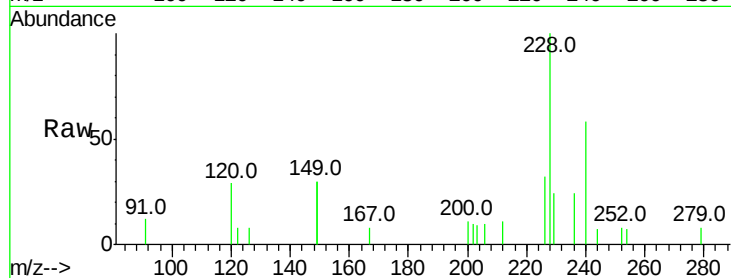
Tot Ion:228 Resp: 560

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

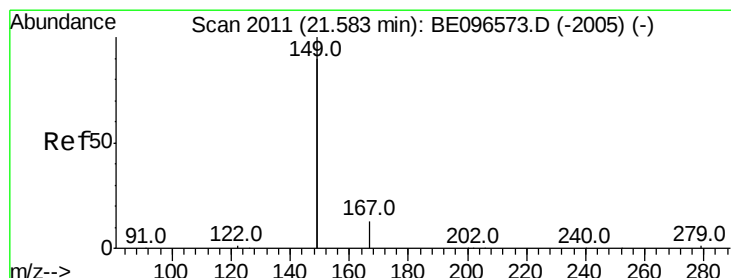
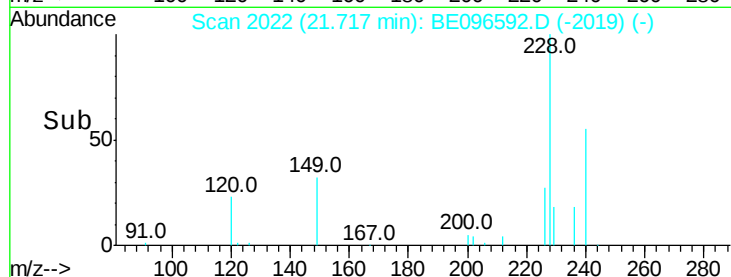
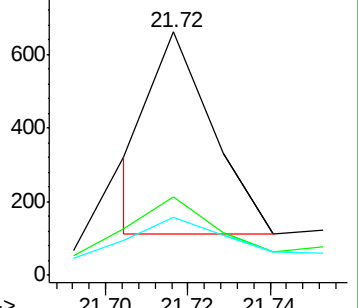
229 23.7 16.0 24.0



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: 0.085 ng

RT: 21.58 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

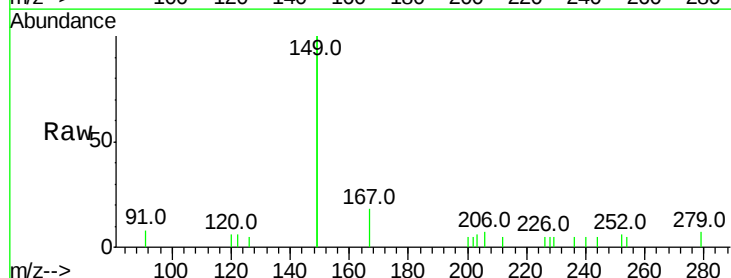
Tgt Ion:149 Resp: 1931

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

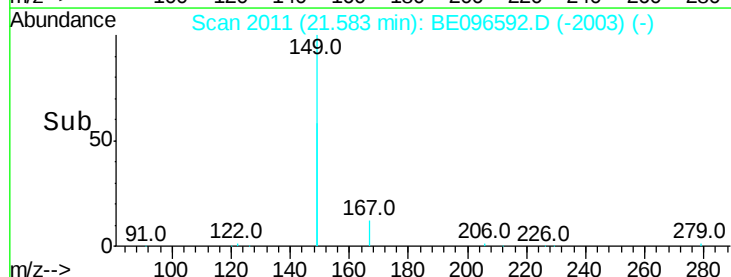
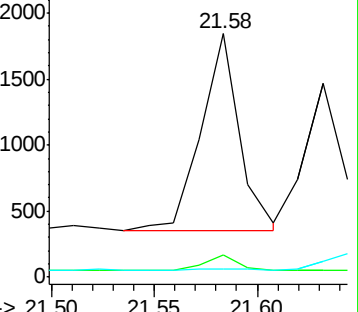
279 1.2 0.7 1.1#

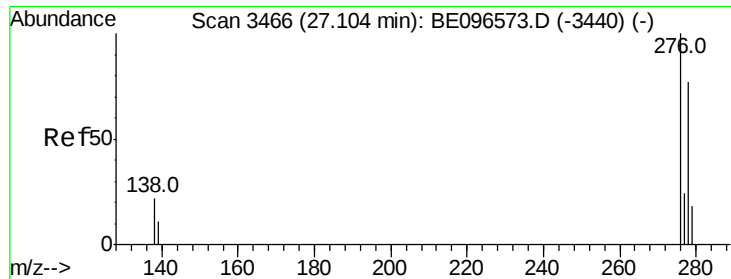


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.039 ng

RT: 27.10 min Scan# 3466

Delta R.T. 0.00 min

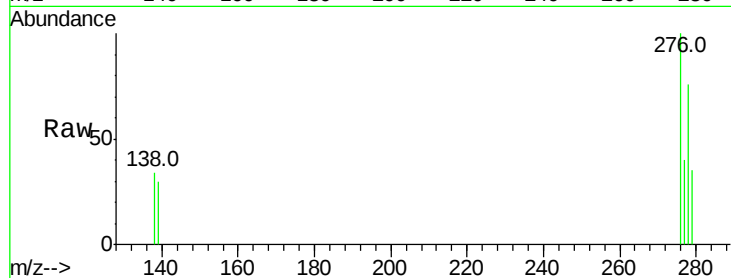
Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :



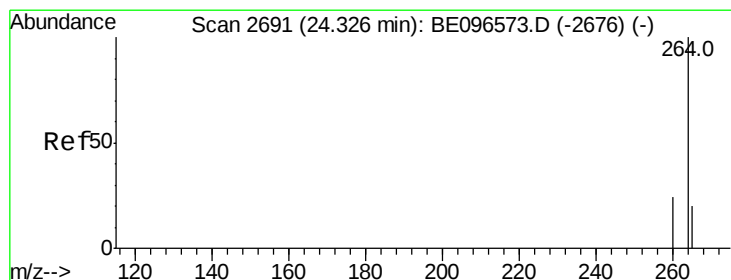
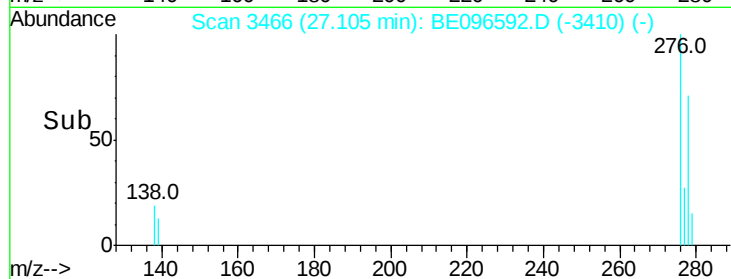
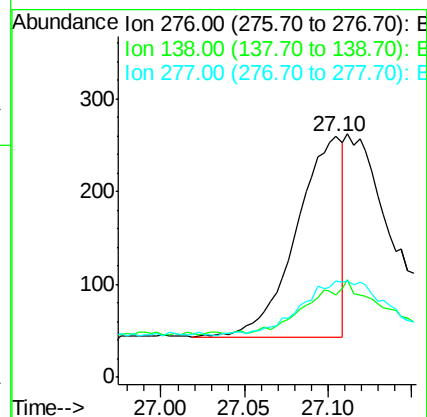
Tot Ion:276 Resp: 415

Ion Ratio Lower Upper

276 100

138 43.4 22.5 33.7#

277 52.5 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

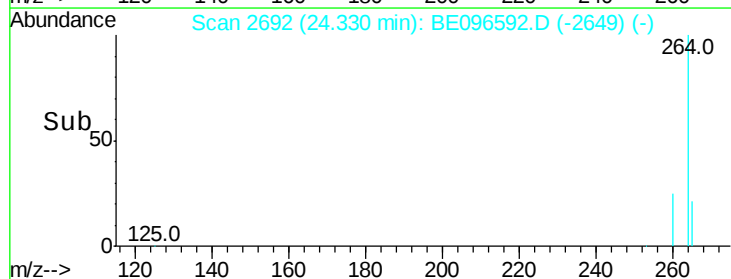
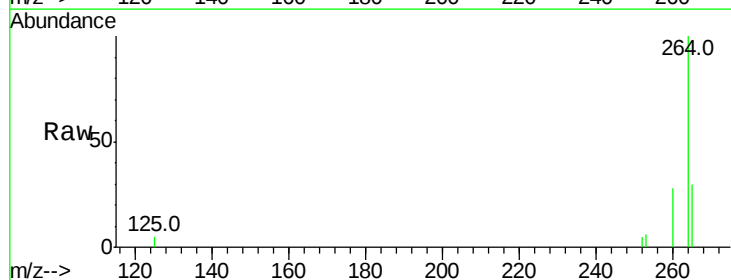
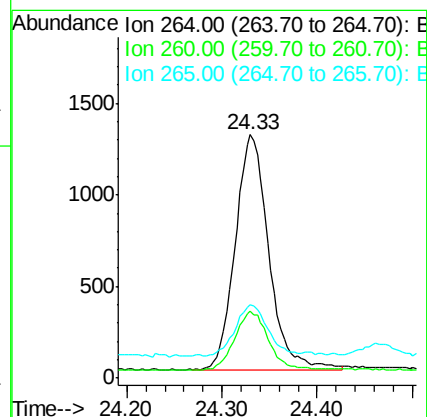
Tgt Ion:264 Resp: 3124

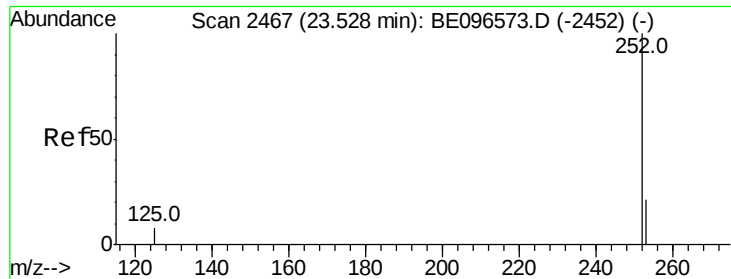
Ion Ratio Lower Upper

264 100

260 27.8 20.5 30.7

265 30.1 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.087 ng

RT: 23.53 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

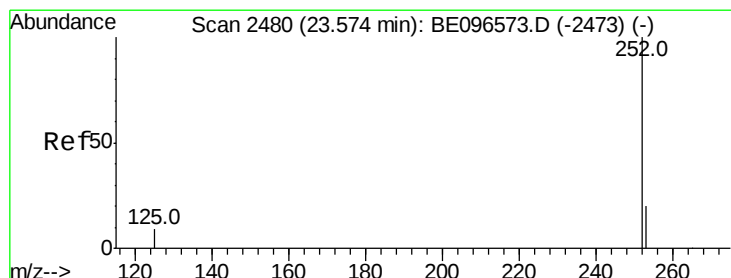
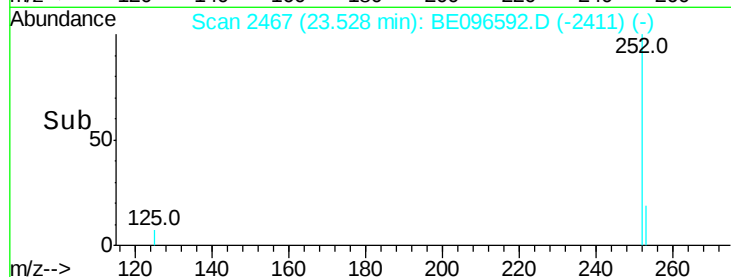
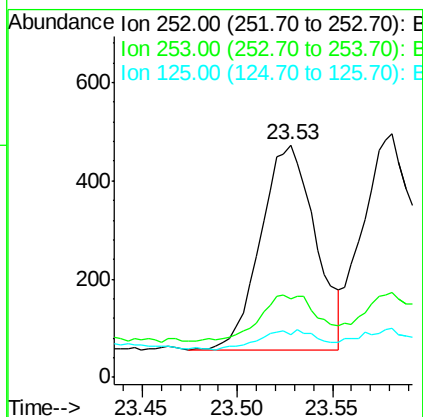
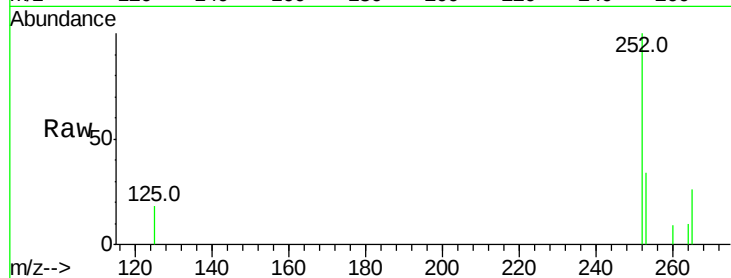
Tot Ion:252 Resp: 839

Ion Ratio Lower Upper

252 100

253 33.8 20.0 30.0#

125 18.4 16.0 24.0



#36

Benzo(k)fluoranthene

Concen: 0.088 ng

RT: 23.58 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

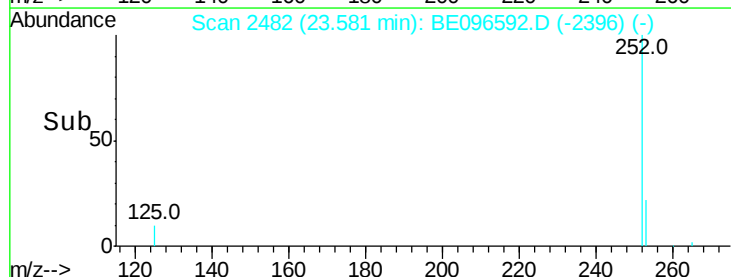
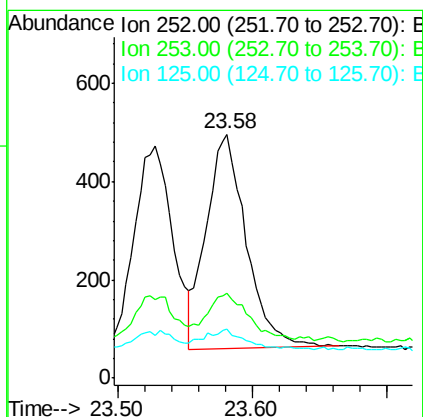
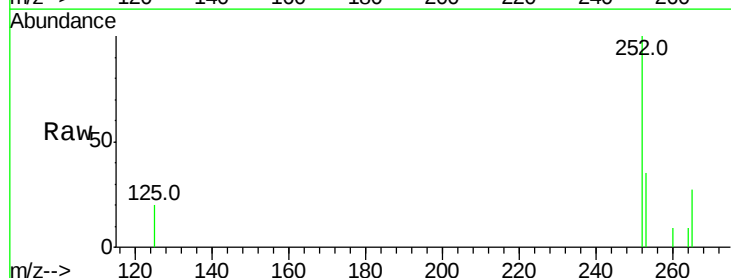
Tgt Ion:252 Resp: 898

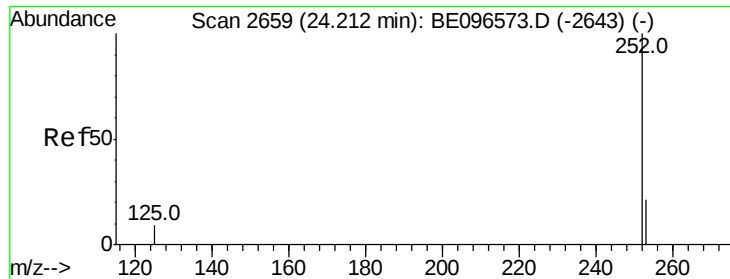
Ion Ratio Lower Upper

252 100

253 34.9 16.0 24.0#

125 20.0 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.085 ng

RT: 24.22 min Scan# 2662

Delta R.T. 0.01 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :

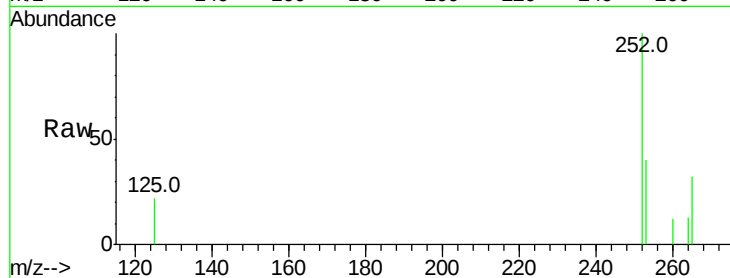
Tot Ion:252 Resp: 783

Ion Ratio Lower Upper

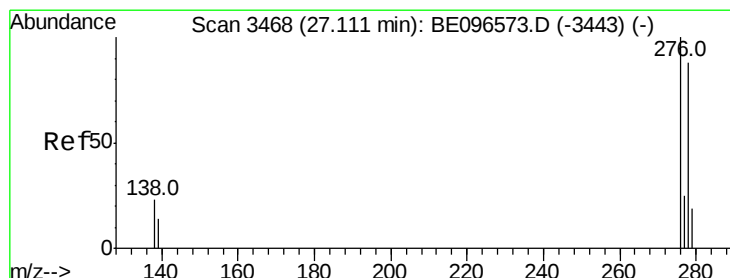
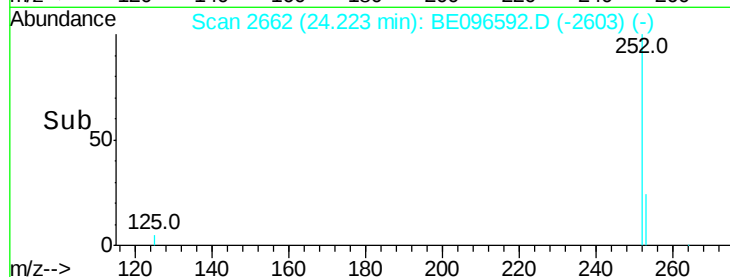
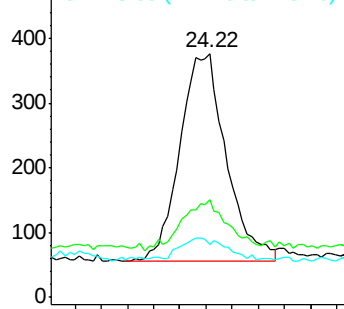
252 100

253 40.2 16.0 24.0#

125 21.5 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: 0.084 ng

RT: 27.12 min Scan# 3469

Delta R.T. 0.00 min

Lab File: BE096592.D

Acq: 16 May 2018 12:36

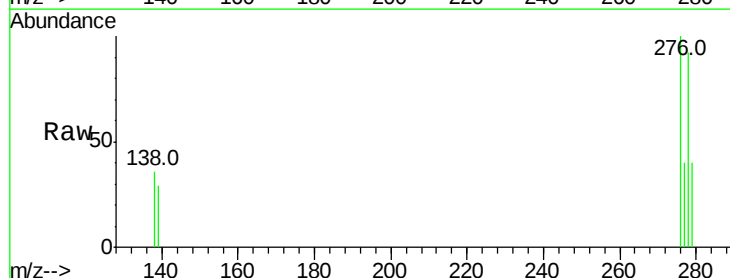
Tgt Ion:278 Resp: 704

Ion Ratio Lower Upper

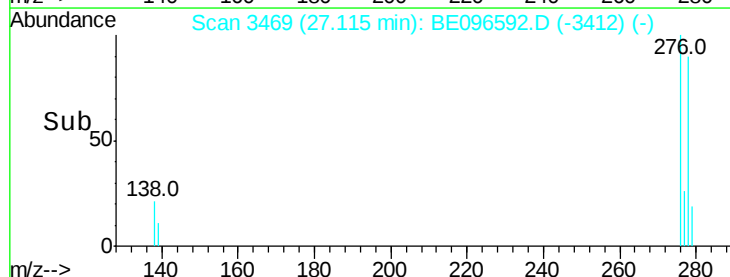
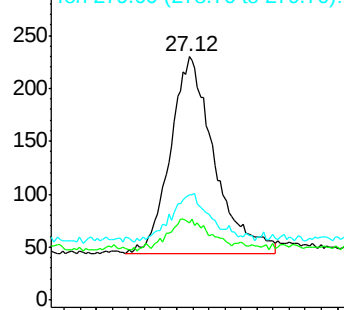
278 100

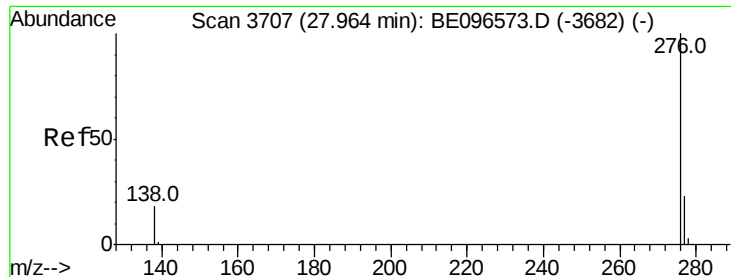
139 31.7 16.0 24.0#

279 43.0 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(a,h,i)perylene

Concen: 0.090 ng

RT: 27.96 min Scan# 3706

Delta R.T. -0.00 min

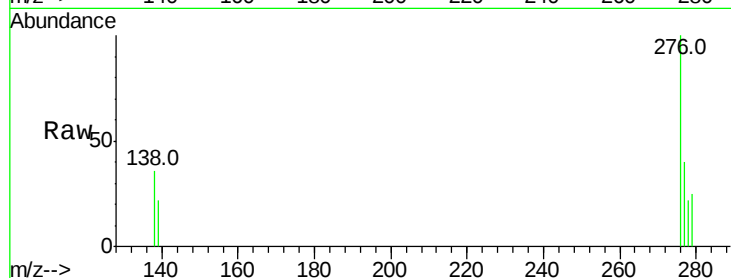
Lab File: BE096592.D

Acq: 16 May 2018 12:36

Instrument :

BNA_E

ClientSampleId :



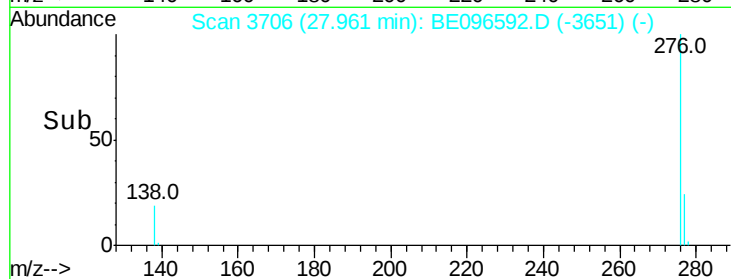
Tot Ion: 276 Resp: 790

Ion Ratio Lower Upper

276 100

277 39.6 16.0 24.0#

138 36.1 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

