

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051618\
 Data File : BE096596.D
 Acq On : 16 May 2018 16:43
 Operator : SJ/JU
 Sample : J2133-08
 Misc : L00 0.2
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 03:56:35 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	8.34	152	595	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2618	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1541	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3454	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3264	0.40	ng	0.00
34) Perylene-d12	24.33	264	2970	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.86	112	552	0.34	ng	0.00
5) Phenol-d6	7.50	99	789	0.34	ng	0.00
8) Nitrobenzene-d5	9.53	82	945	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1504	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	170	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2300	0.35	ng	0.00
25) Fluoranthene-d10	19.62	212	15035	0.36	ng	0.00
29) Terphenyl-d14	20.18	244	2461	0.33	ng	0.00

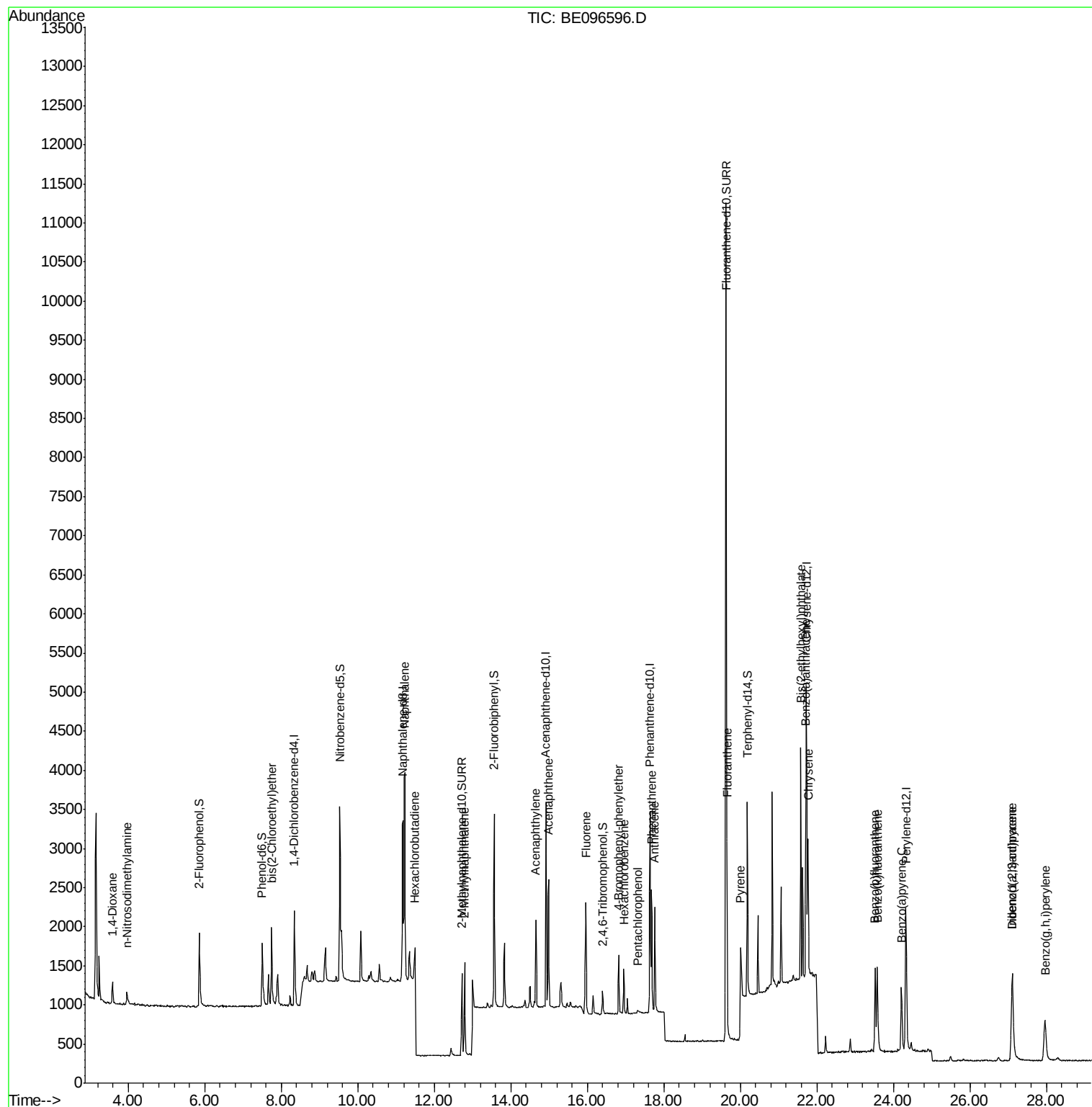
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.59	88	204	0.229	ng	# 89
3) n-Nitrosodimethylamine	3.96	42	185	0.166	ng	# 63
6) bis(2-Chloroethyl)ether	7.75	93	440	0.203	ng	# 81
9) Naphthalene	11.23	128	5093	0.185	ng	# 98
10) Hexachlorobutadiene	11.49	225	304	0.197	ng	# 85
12) 2-Methylnaphthalene	12.79	142	850	0.180	ng	# 90
16) Acenaphthylene	14.66	152	1377	0.171	ng	# 99
17) Acenaphthene	14.99	154	891	0.182	ng	# 93
18) Fluorene	15.96	166	1300	0.213	ng	# 70
20) 4-Bromophenyl-phenylether	16.82	248	370	0.177	ng	# 71
21) Hexachlorobenzene	16.95	284	403	0.184	ng	# 81
22) Pentachlorophenol	17.31	266	42	0.242	ng	# 99
23) Phenanthrene	17.67	178	1730	0.178	ng	# 96
24) Anthracene	17.77	178	1542	0.171	ng	# 95
26) Fluoranthene	19.65	202	2028	0.175	ng	# 97
28) Pyrene	20.00	202	814	0.138	ng	# 99
30) Benzo(a)anthracene	21.72	228	1817	0.181	ng	# 97
31) Chrysene	21.78	228	1894	0.181	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.58	149	3348	0.156	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.10	276	1740	0.174	ng	# 92
35) Benzo(b)fluoranthene	23.52	252	1631	0.178	ng	# 88
36) Benzo(k)fluoranthene	23.58	252	1735	0.179	ng	# 83
37) Benzo(a)pyrene	24.21	252	1520	0.174	ng	# 85
38) Dibenzo(a,h)anthracene	27.11	278	1360	0.170	ng	# 87
39) Benzo(g,h,i)perylene	27.97	276	1491	0.178	ng	# 85

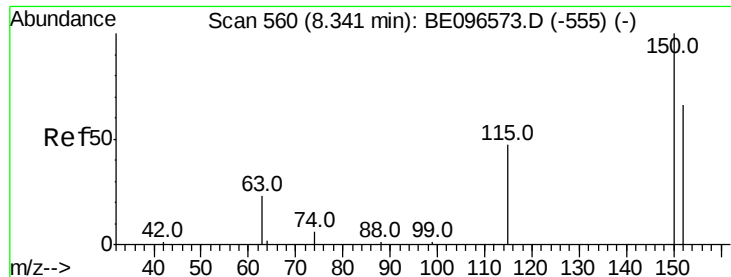
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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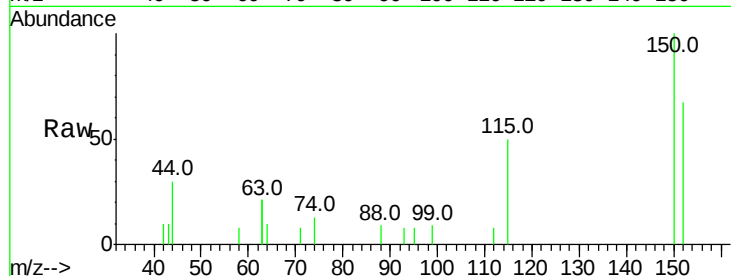


#1

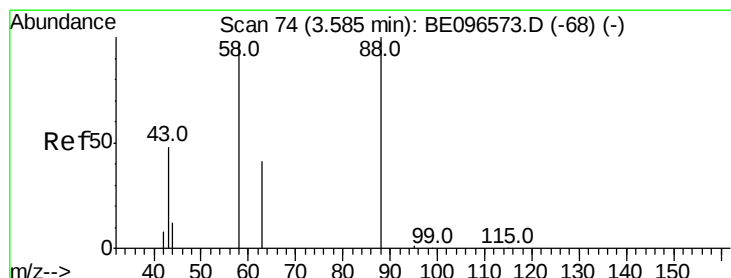
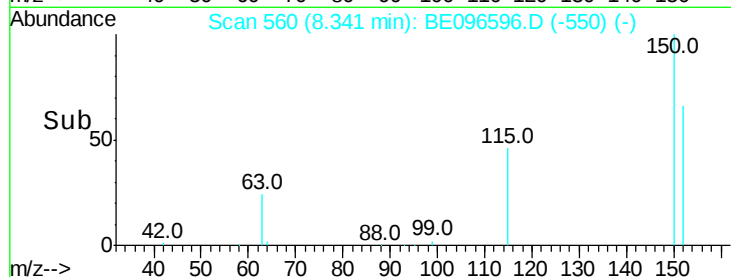
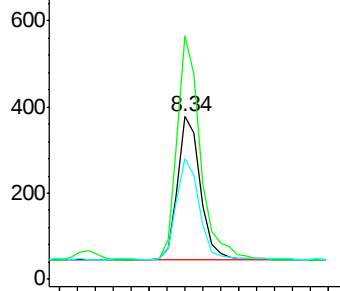
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.34 min Scan# 560
Delta R.T. 0.00 min
Lab File: BE096596.D
Acq: 16 May 2018 16:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 595
Ion Ratio Lower Upper
152 100
150 149.5 117.2 175.8
115 74.1 57.0 85.6



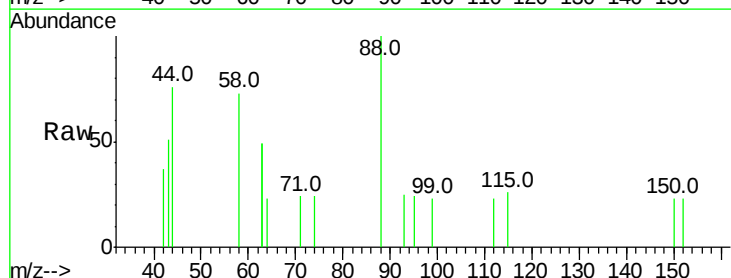
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



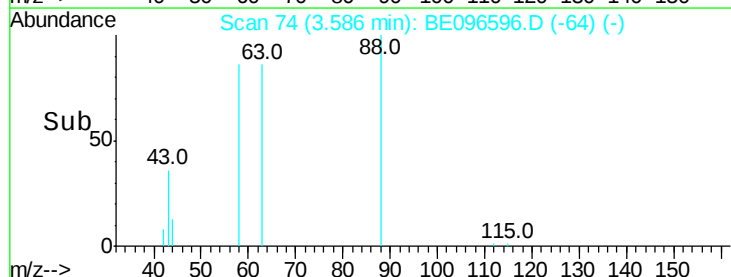
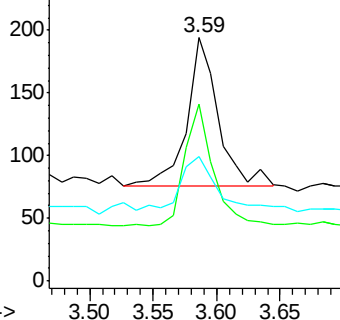
#2

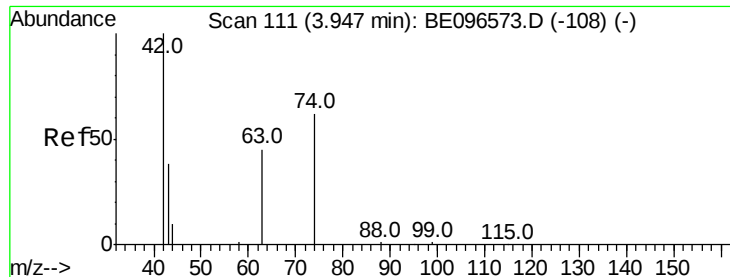
1,4-Dioxane
Concen: 0.229 ng
RT: 3.59 min Scan# 74
Delta R.T. 0.00 min
Lab File: BE096596.D
Acq: 16 May 2018 16:43

Tgt Ion: 88 Resp: 204
Ion Ratio Lower Upper
88 100
58 74.0 63.2 94.8
43 38.7 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

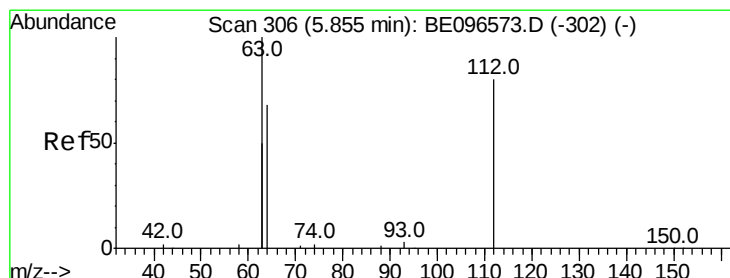
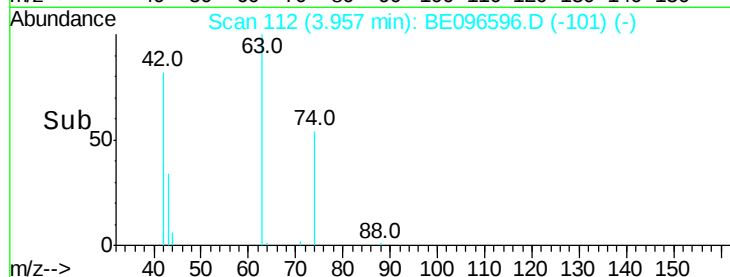
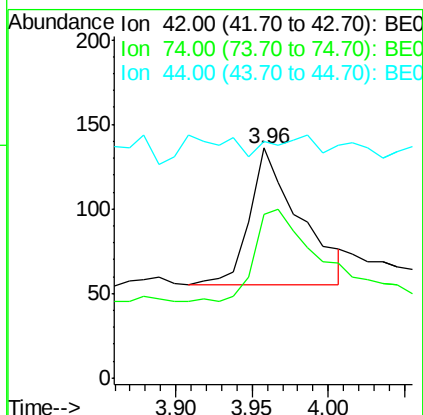
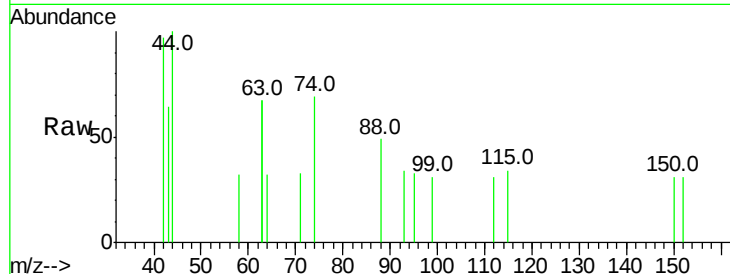




#3
 n-Nitrosodimethylamine
 Concen: 0.166 ng
 RT: 3.96 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: BE096596.D
 Acq: 16 May 2018 16:43

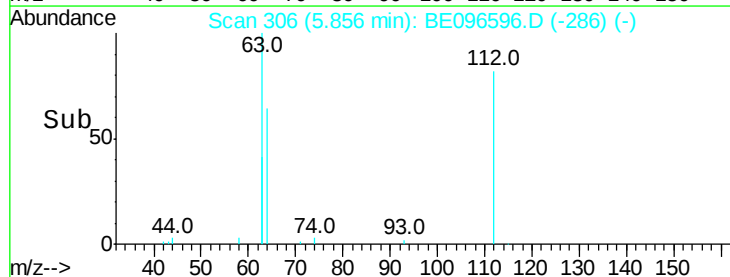
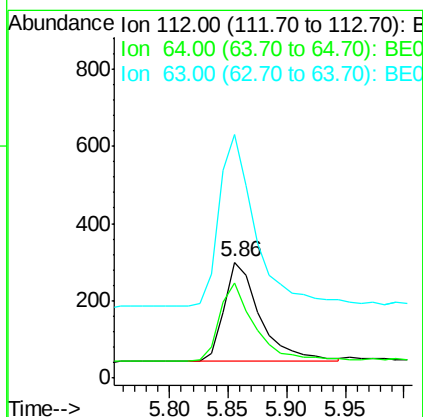
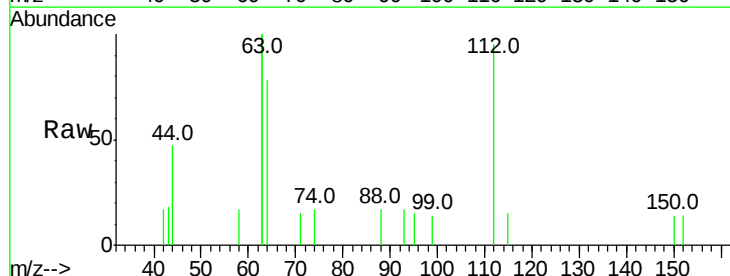
Instrument :
 BNA_E
 ClientSampleId :

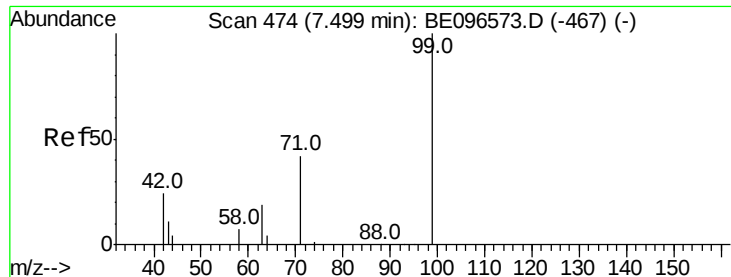
Tot Ion: 42 Resp: 185
 Ion Ratio Lower Upper
 42 100
 74 78.9 96.0 144.0#
 44 0.0 12.0 18.0#



#4
 2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.86 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: BE096596.D
 Acq: 16 May 2018 16:43

Tgt Ion: 112 Resp: 552
 Ion Ratio Lower Upper
 112 100
 64 76.8 60.1 90.1
 63 174.8 116.8 175.2





#5

Phenol-d6

Concen: 0.340 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampled :

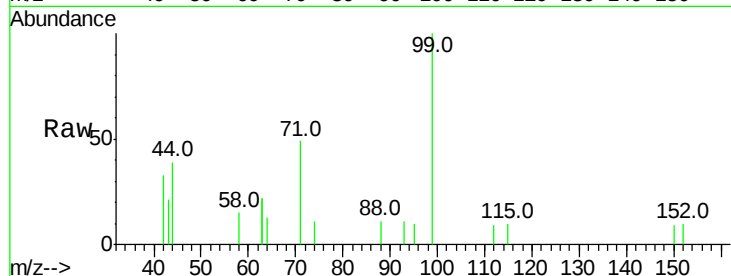
Tot Ion: 99 Resp: 789

Ion Ratio Lower Upper

99 100

42 27.8 20.2 30.2

71 44.2 28.4 42.6#



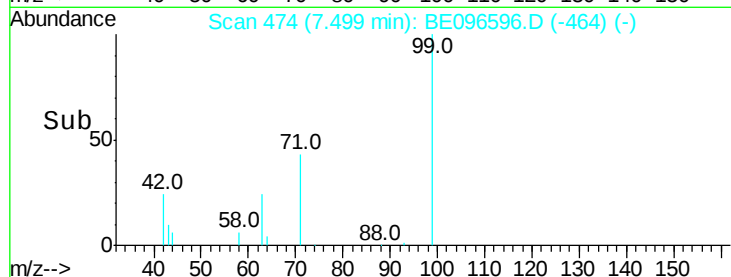
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

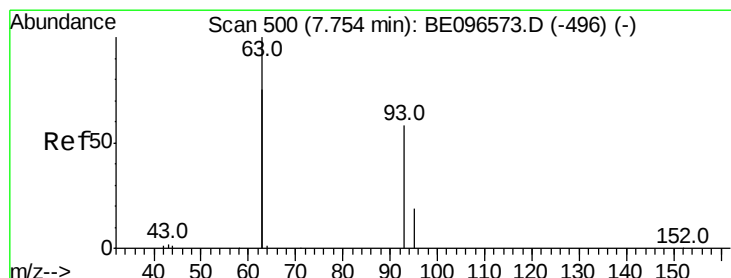
Ion 71.00 (70.70 to 71.70): BE0

7.50

Time-->



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.203 ng

RT: 7.75 min Scan# 500

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

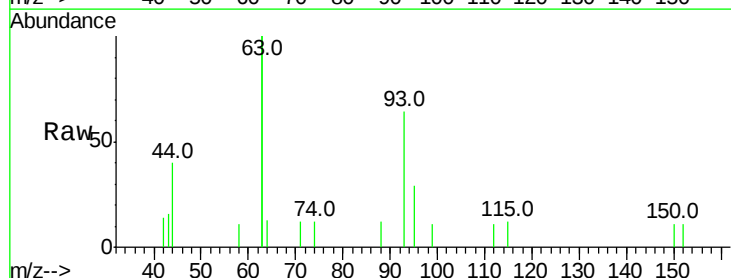
Tgt Ion: 93 Resp: 440

Ion Ratio Lower Upper

93 100

63 300.5 275.3 412.9

95 29.5 25.2 37.8



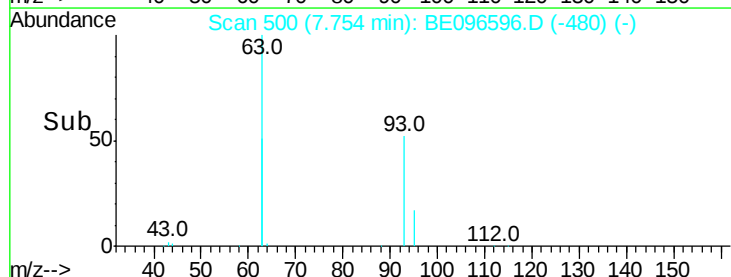
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

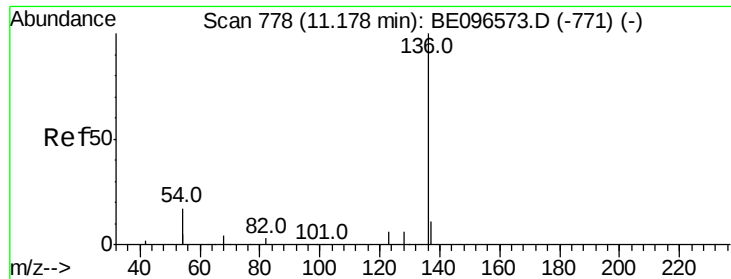
Ion 95.00 (94.70 to 95.70): BE0

7.75

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2618

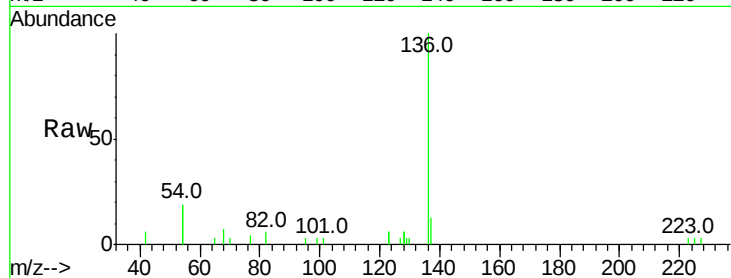
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 38.3 29.1 43.7

68 7.0 6.2 9.2

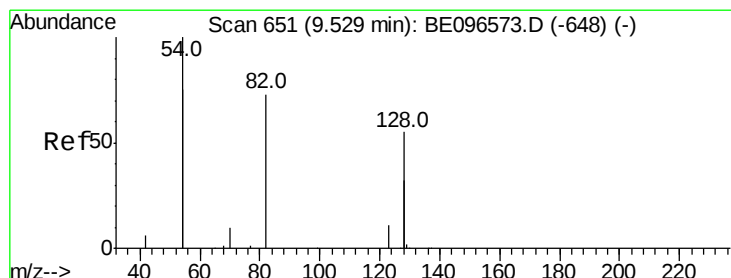
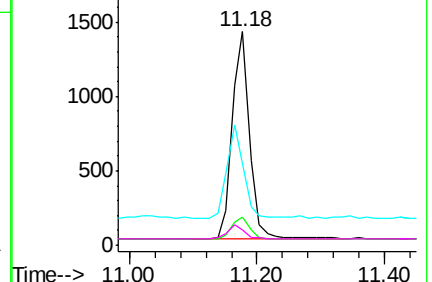
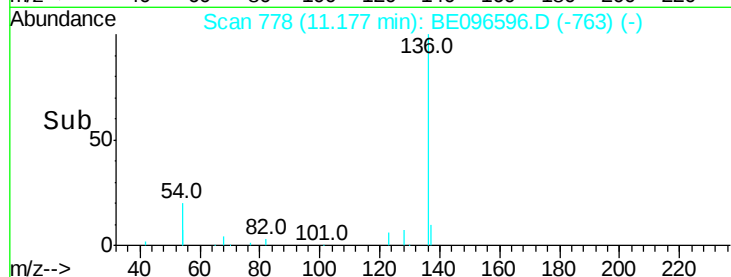


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.339 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

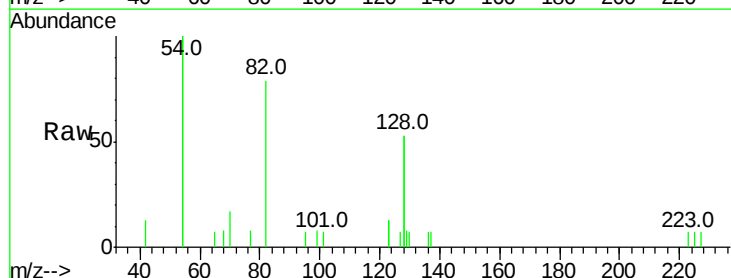
Tgt Ion: 82 Resp: 945

Ion Ratio Lower Upper

82 100

128 133.1 150.0 225.0#

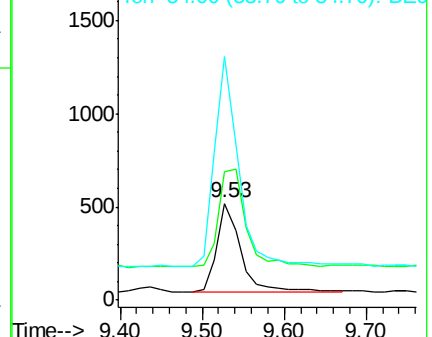
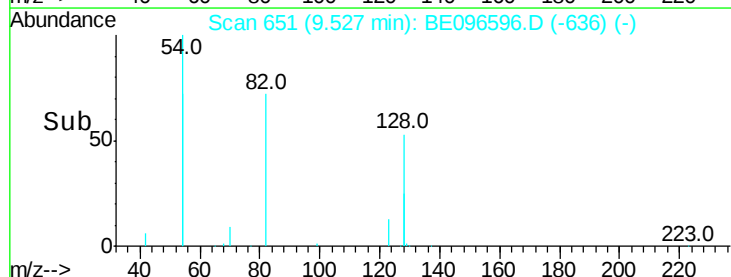
54 252.6 154.2 231.4#

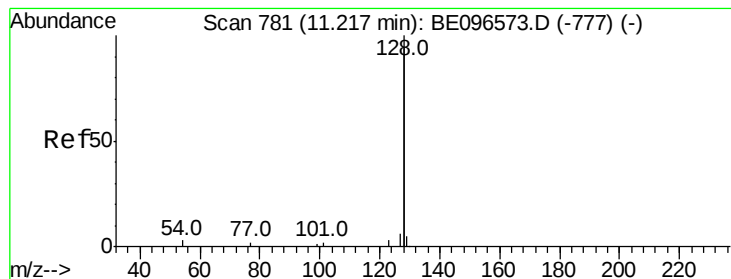


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.185 ng

RT: 11.23 min Scan# 782

Delta R.T. 0.01 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

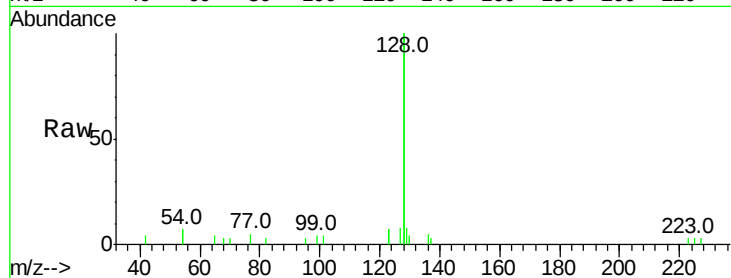
Tot Ion:128 Resp: 5093

Ion Ratio Lower Upper

128 100

129 4.0 2.6 3.8#

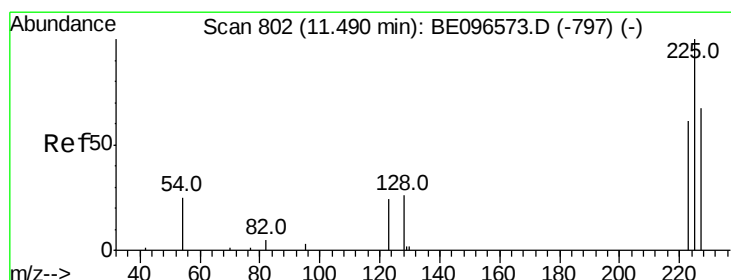
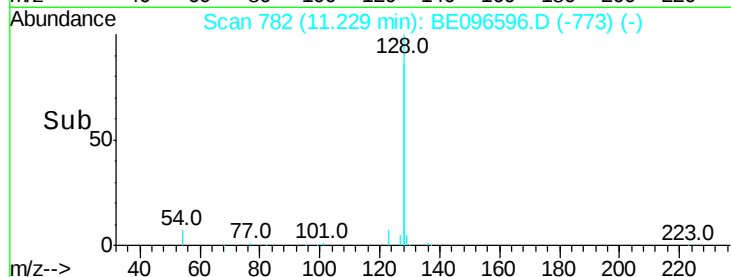
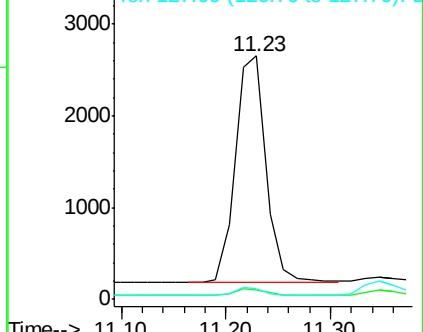
127 4.1 2.8 4.2



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: 0.197 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

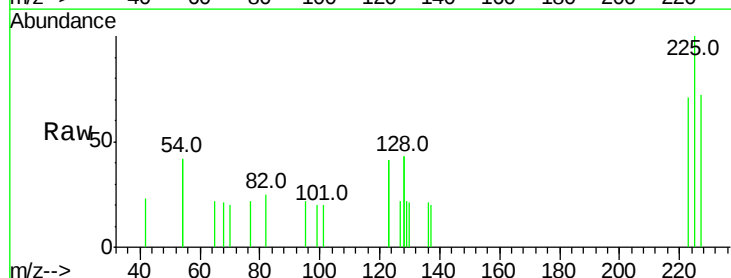
Tgt Ion:225 Resp: 304

Ion Ratio Lower Upper

225 100

223 52.6 53.0 79.6#

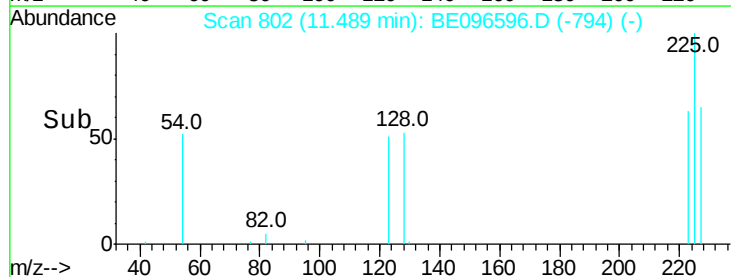
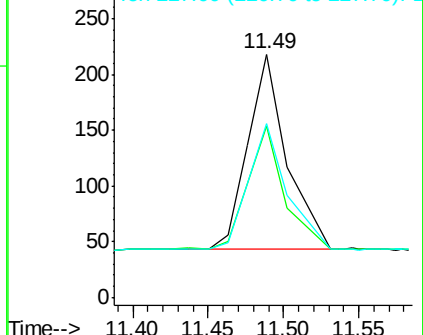
227 54.6 51.4 77.2

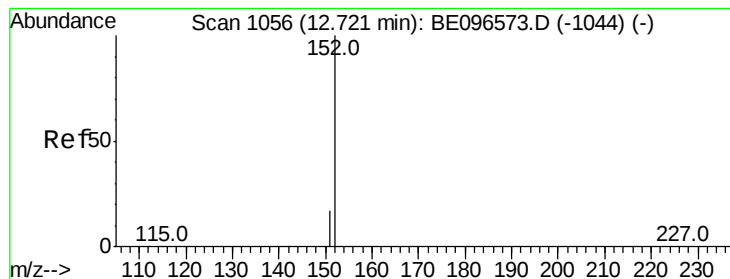


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.352 ng

RT: 12.72 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

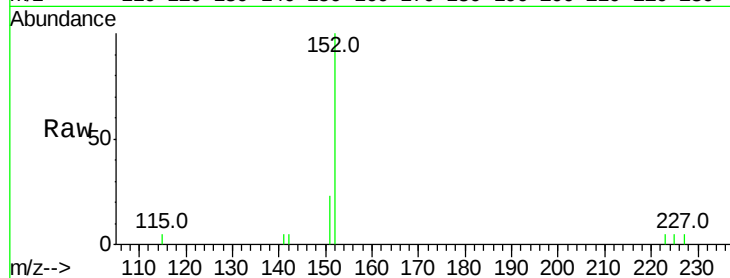
ClientSampled :

Tot Ion:152 Resp: 1504

Ion Ratio Lower Upper

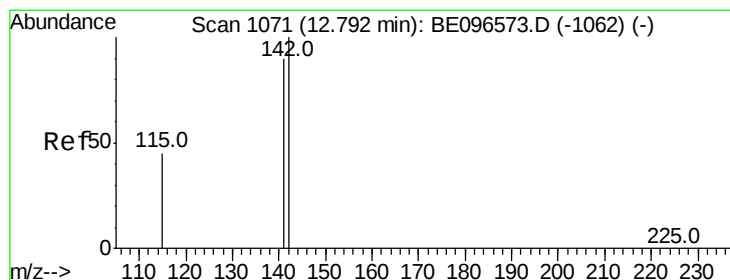
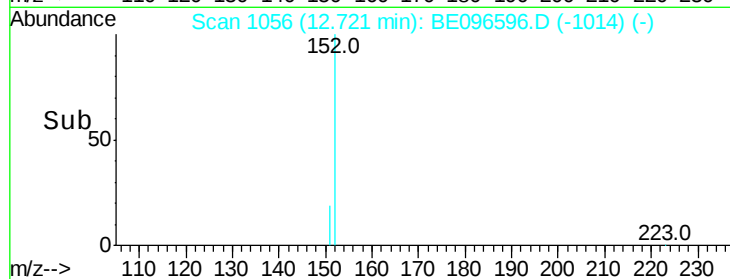
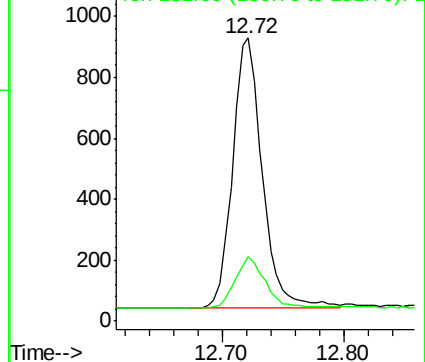
152 100

151 19.1 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: 0.180 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

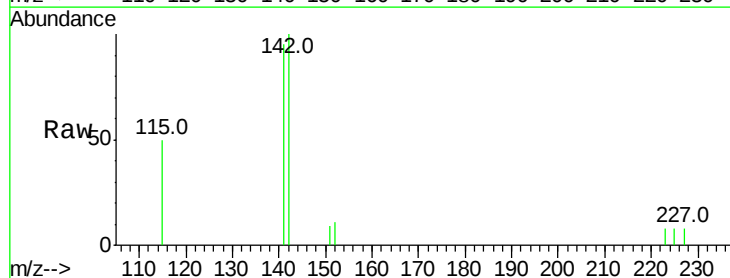
Tgt Ion:142 Resp: 850

Ion Ratio Lower Upper

142 100

141 94.6 70.4 105.6

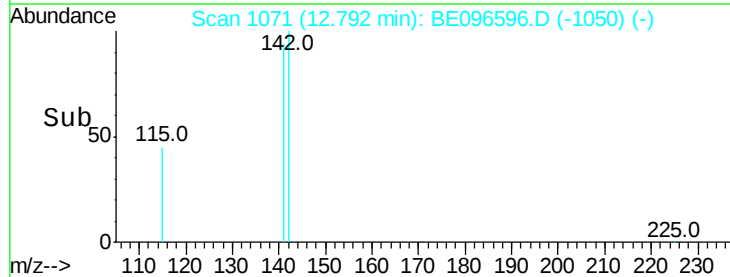
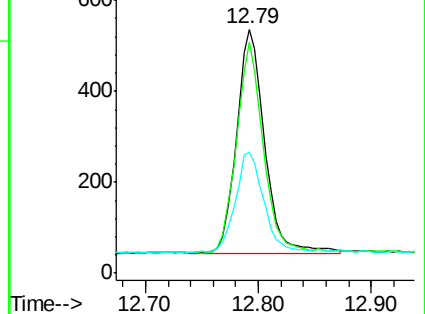
115 49.8 31.7 47.5#

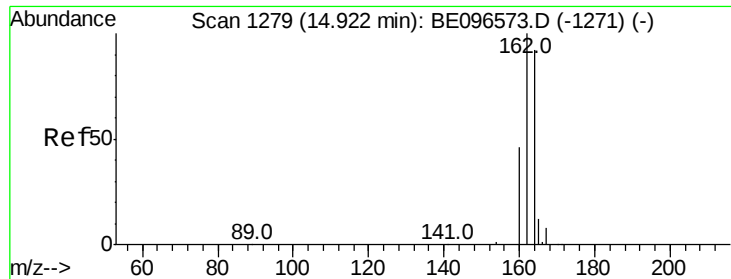


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.92 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

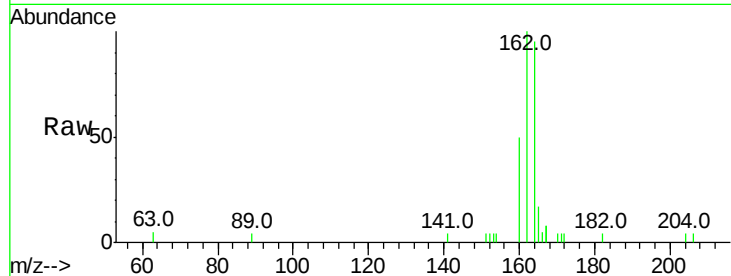
Tot Ion:164 Resp: 1541

Ion Ratio Lower Upper

164 100

162 105.5 83.1 124.7

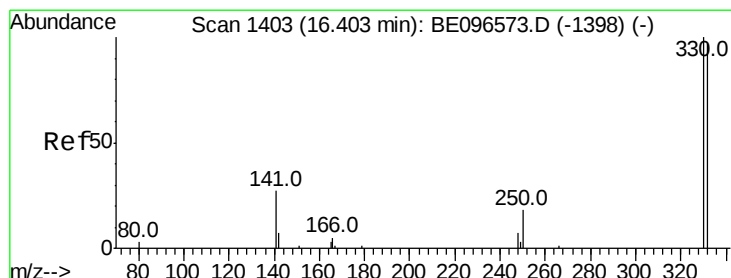
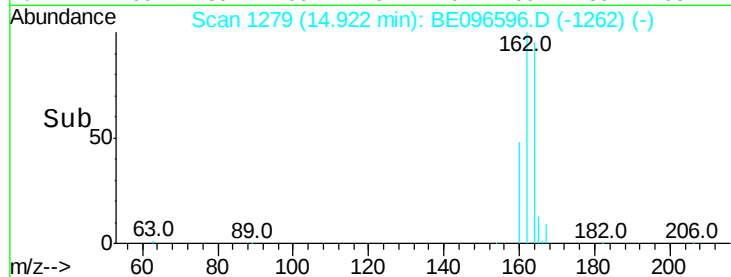
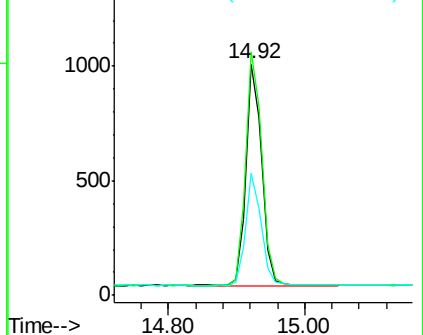
160 52.6 37.1 55.7



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

2,4,6-Tribromophenol

Concen: 0.279 ng

RT: 16.40 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

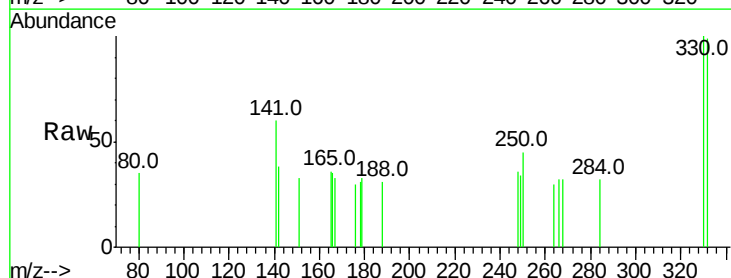
Tgt Ion:330 Resp: 170

Ion Ratio Lower Upper

330 100

332 99.4 152.7 229.1#

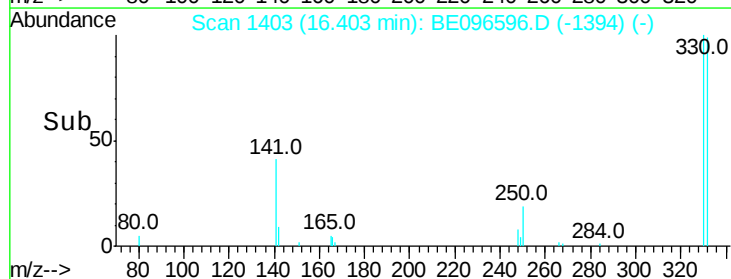
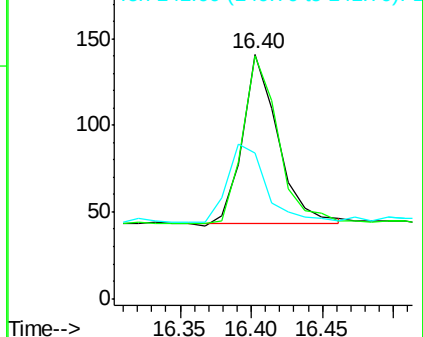
141 50.0 33.7 50.5

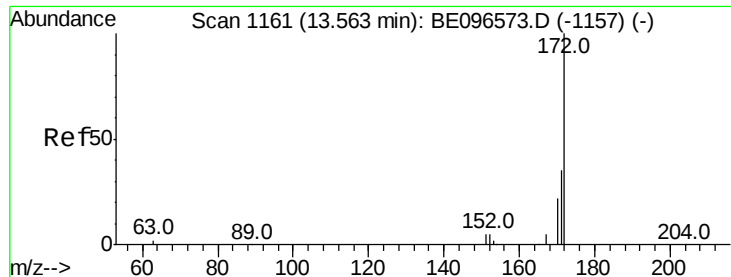


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

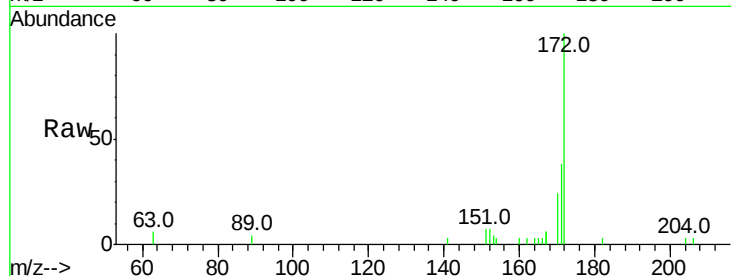




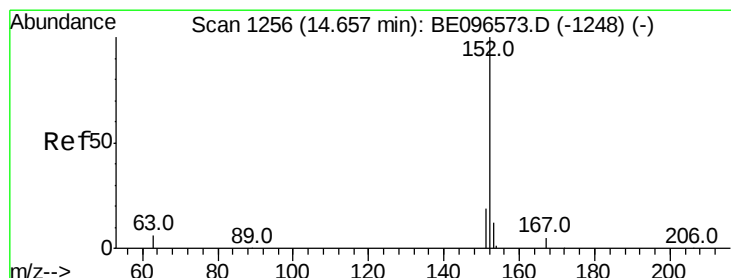
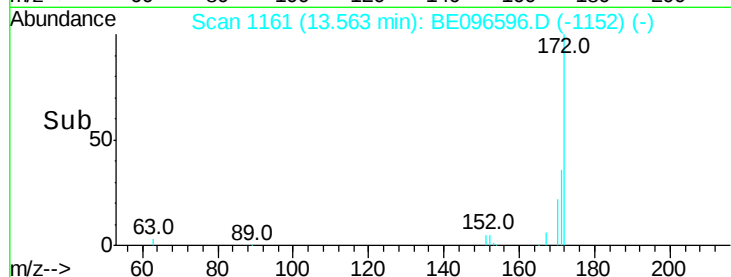
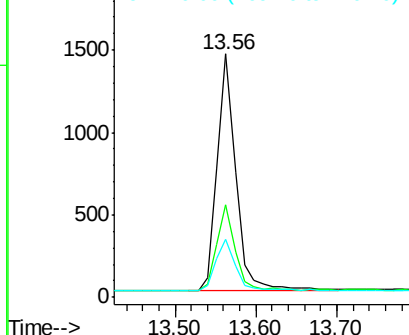
#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE096596.D
Acq: 16 May 2018 16:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 2300
Ion Ratio Lower Upper
172 100
171 38.0 29.9 44.9
170 24.0 21.8 32.8

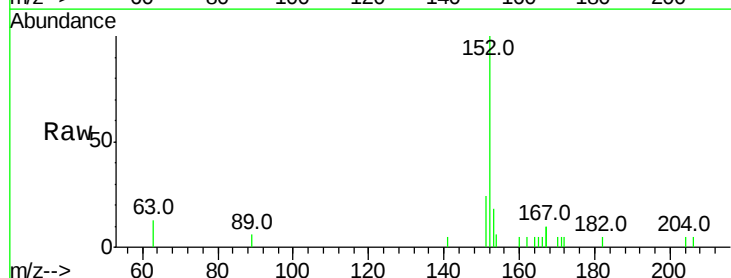


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

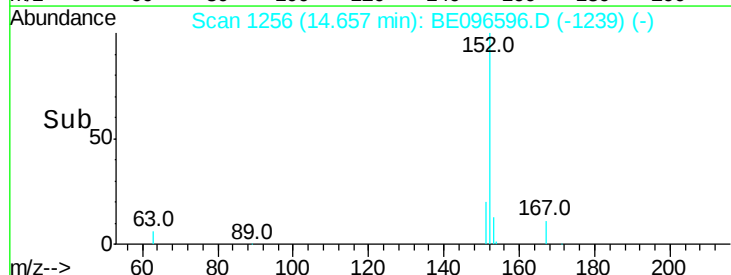
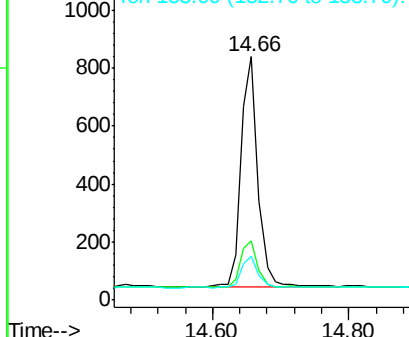


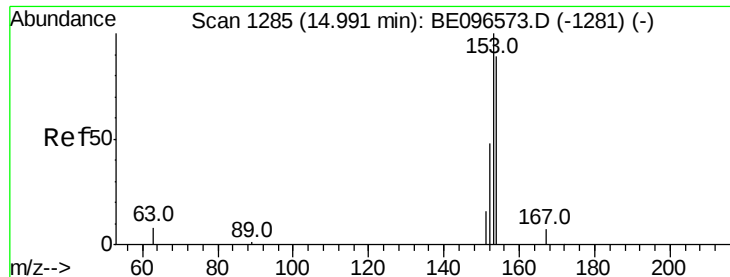
#16
Acenaphthylene
Concen: 0.171 ng
RT: 14.66 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE096596.D
Acq: 16 May 2018 16:43

Tgt Ion:152 Resp: 1377
Ion Ratio Lower Upper
152 100
151 20.5 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: 0.182 ng

RT: 14.99 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

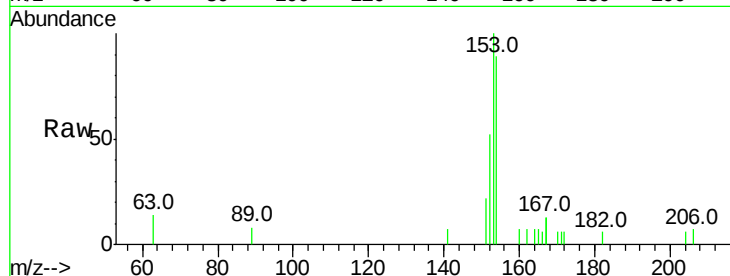
Tot Ion:154 Resp: 891

Ion Ratio Lower Upper

154 100

153 117.2 89.2 133.8

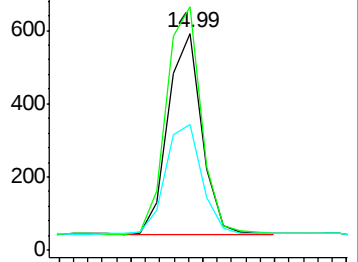
152 59.4 42.0 63.0



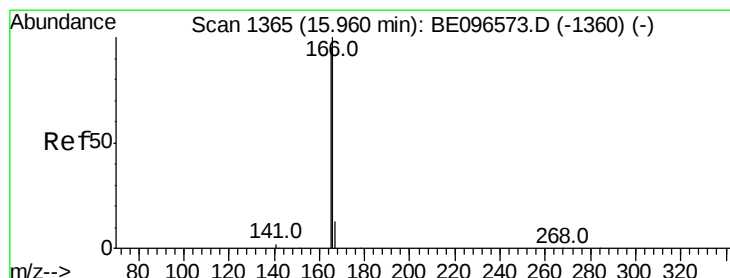
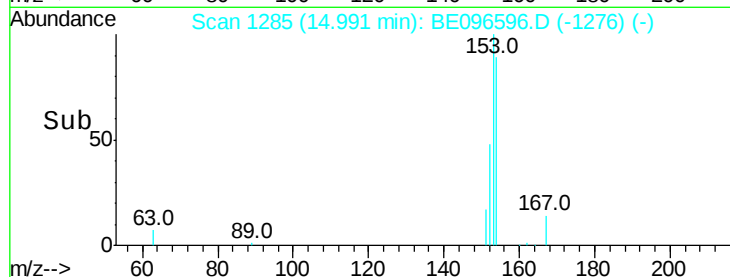
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time--> 14.90 14.95 15.00 15.05



#18

Fluorene

Concen: 0.213 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

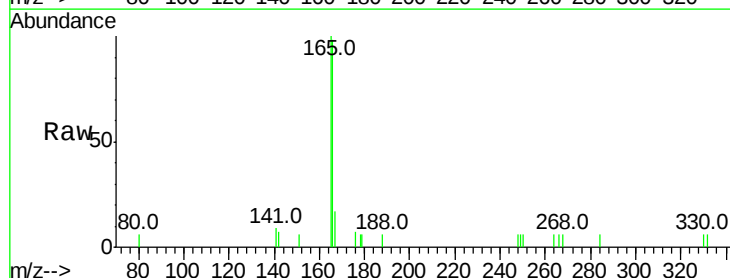
Tgt Ion:166 Resp: 1300

Ion Ratio Lower Upper

166 100

165 83.7 77.8 116.6

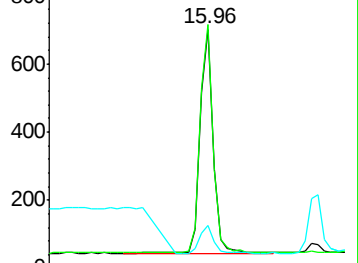
167 11.2 42.4 63.6#



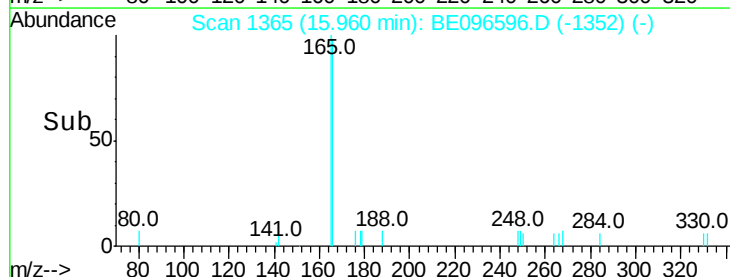
Abundance Ion 166.00 (165.70 to 166.70): E

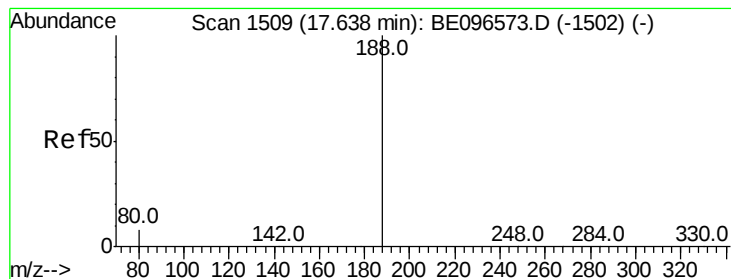
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.80 16.00





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

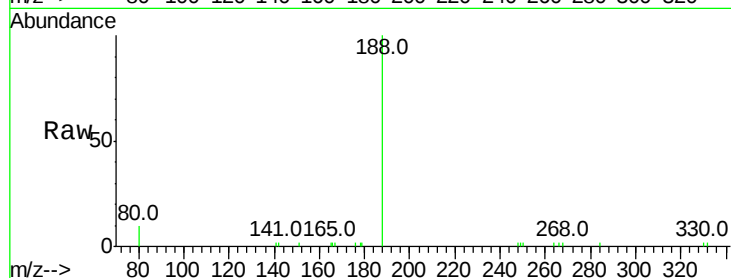
Tot Ion:188 Resp: 3454

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

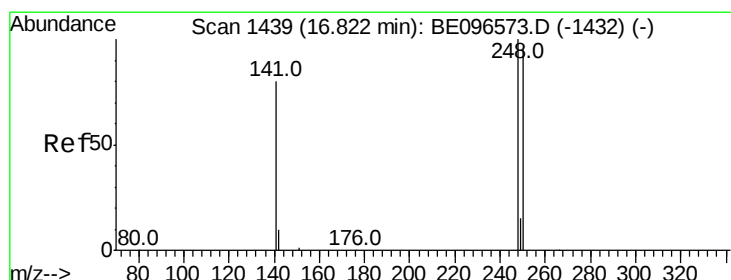
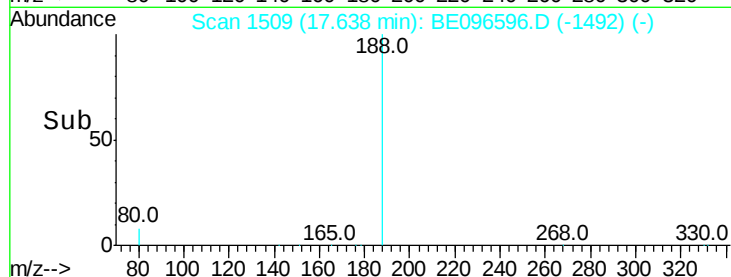
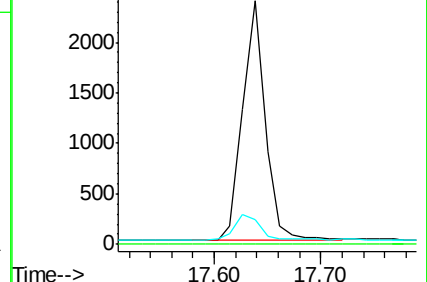
80 10.2 3.6 5.4#



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: 0.177 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

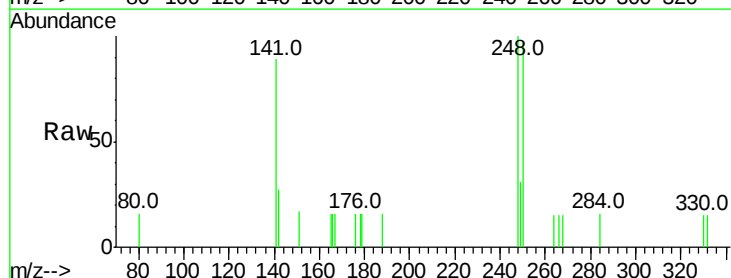
Tgt Ion:248 Resp: 370

Ion Ratio Lower Upper

248 100

250 96.8 62.7 94.1#

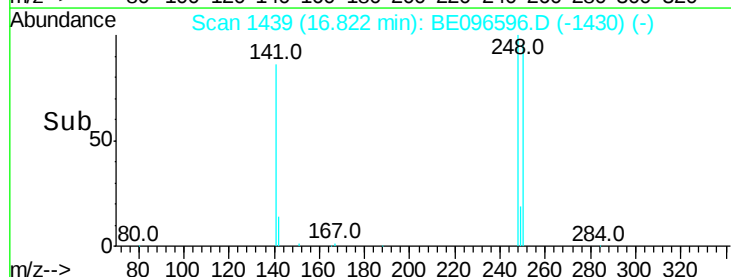
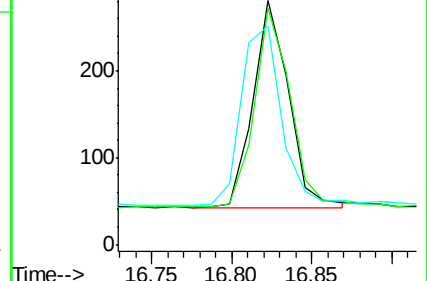
141 89.3 48.2 72.2#

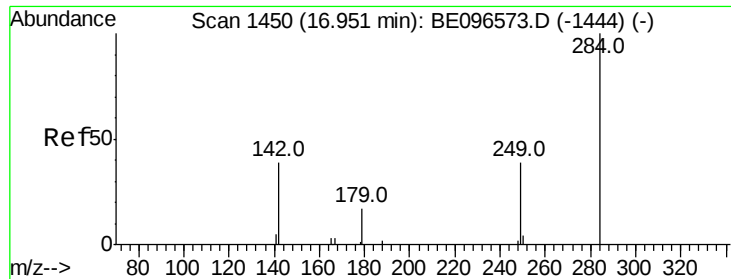


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.184 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

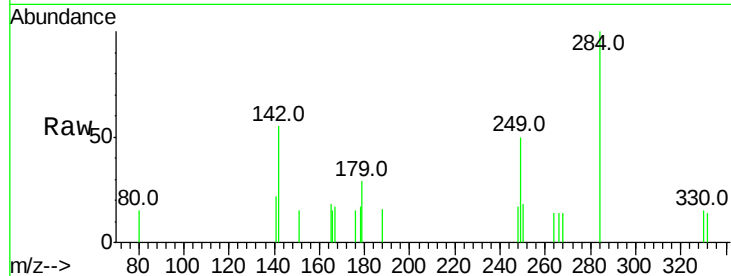
Tot Ion:284 Resp: 403

Ion Ratio Lower Upper

284 100

142 46.9 22.1 33.1#

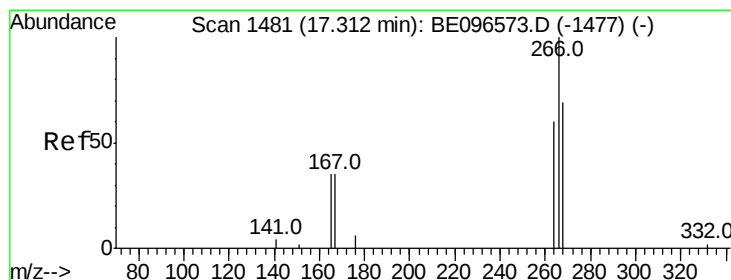
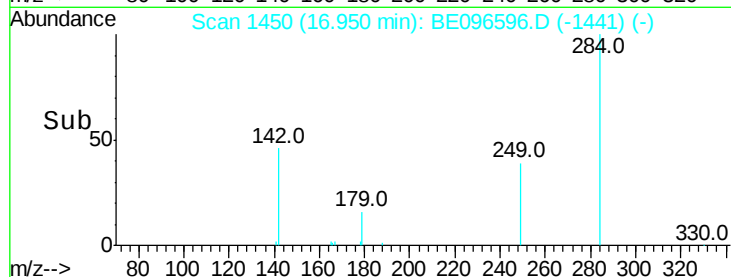
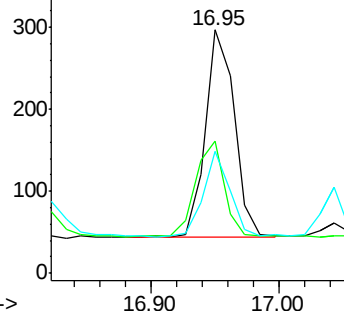
249 39.0 34.8 52.2



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: 0.242 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

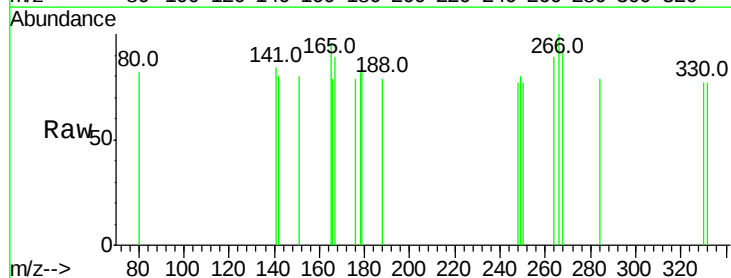
Tgt Ion:266 Resp: 42

Ion Ratio Lower Upper

266 100

264 89.3 72.5 108.7

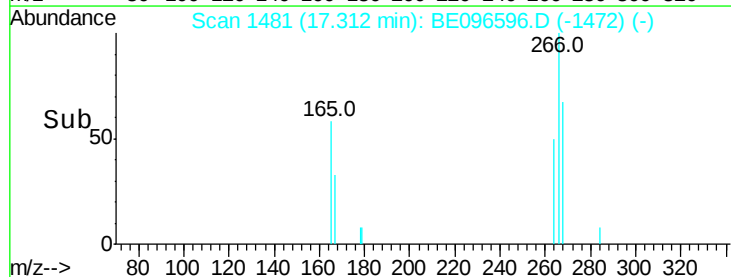
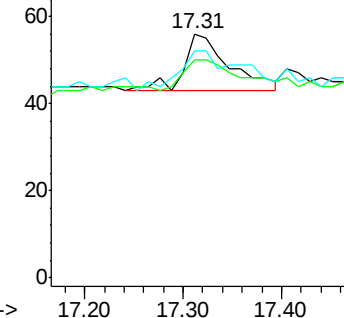
268 92.9 73.8 110.6

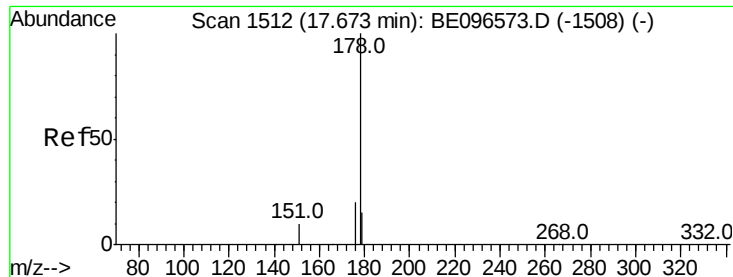


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.178 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096596.D

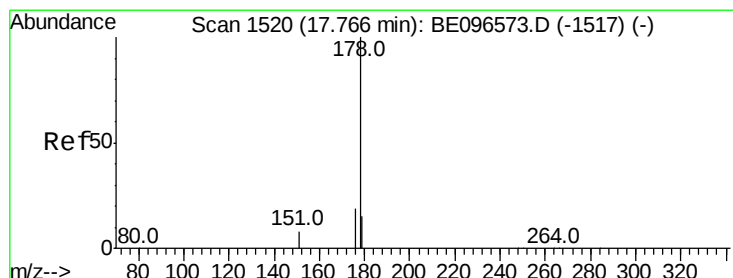
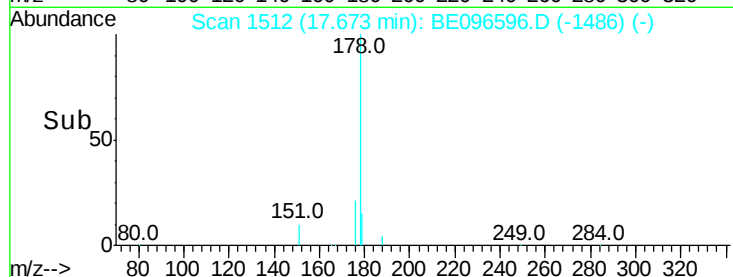
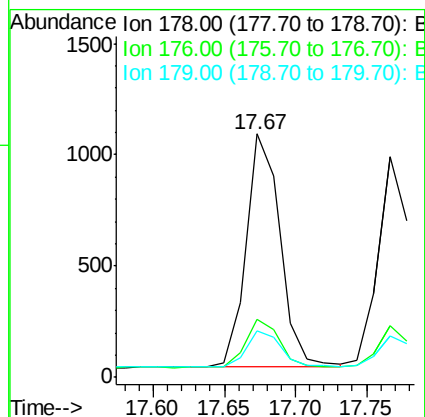
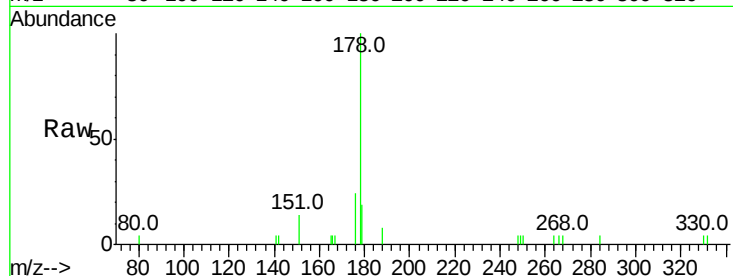
Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampled :

Tot Ion:178	Resp:	1730
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.1 22.7
179	16.1	11.8 17.6



#24

Anthracene

Concen: 0.171 ng

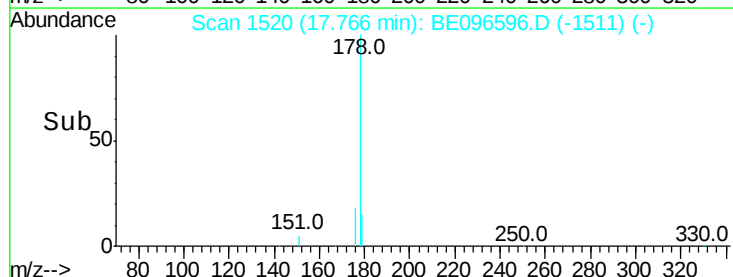
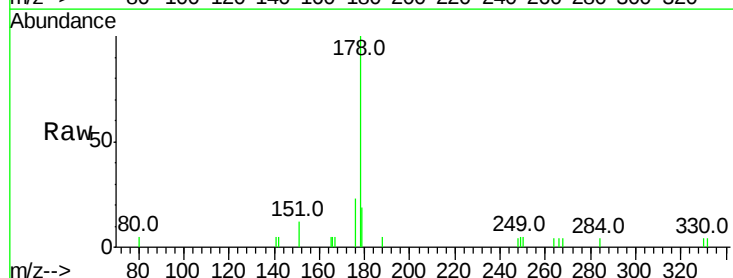
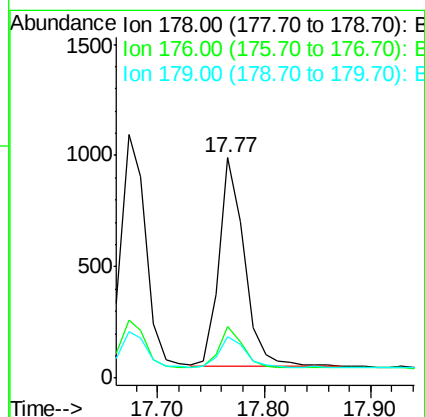
RT: 17.77 min Scan# 1520

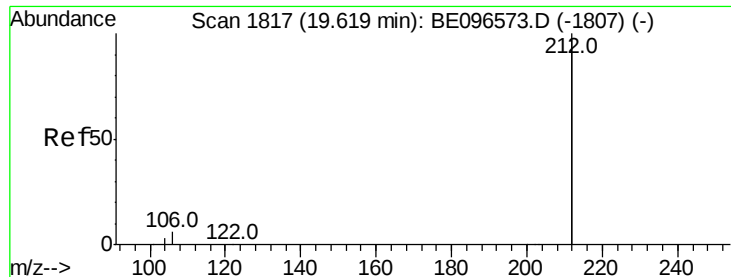
Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Tgt Ion:178	Resp:	1542
Ion Ratio	Lower	Upper
178	100	
176	19.0	12.8 19.2
179	14.9	13.0 19.6

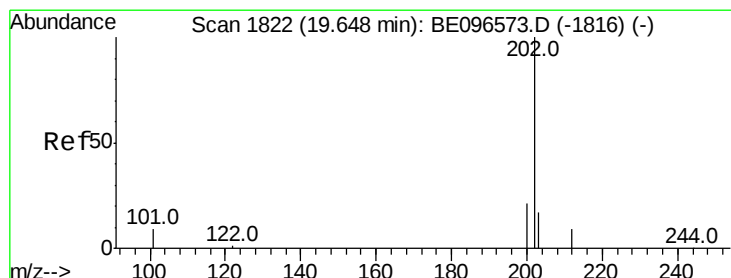
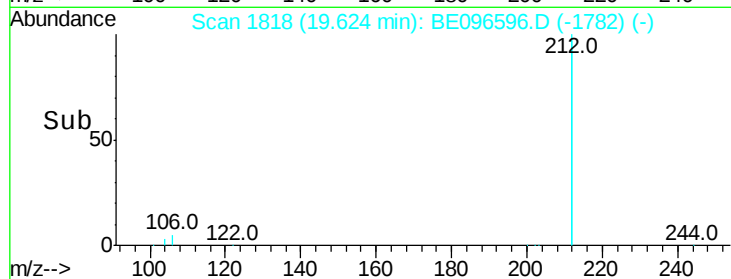
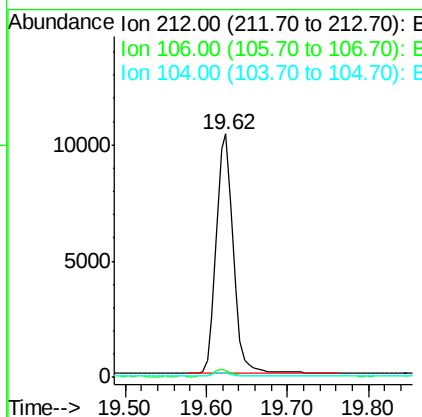
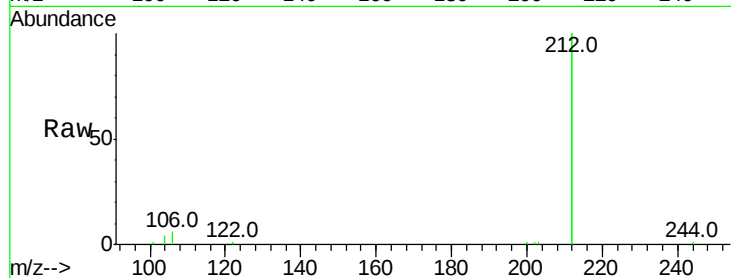




#25
 Fluoranthene-d10
 Concen: 0.356 ng
 RT: 19.62 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BE096596.D
 Acq: 16 May 2018 16:43

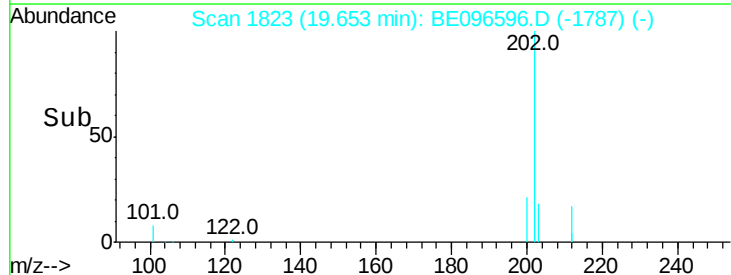
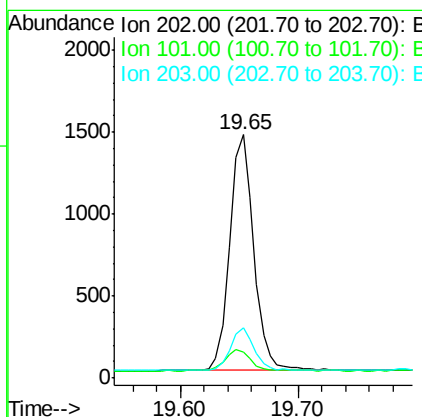
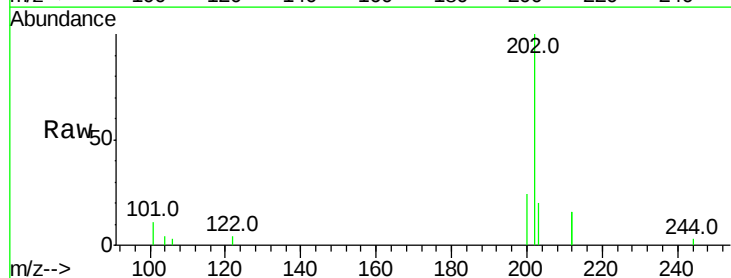
Instrument :
 BNA_E
 ClientSampleId :

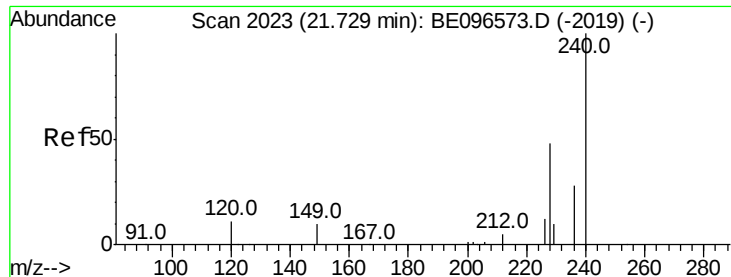
Tot Ion:212 Resp: 15035
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.8 4.2#
 104 1.6 1.6 2.4



#26
 Fluoranthene
 Concen: 0.175 ng
 RT: 19.65 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BE096596.D
 Acq: 16 May 2018 16:43

Tgt Ion:202 Resp: 2028
 Ion Ratio Lower Upper
 202 100
 101 9.7 9.8 14.8#
 203 17.5 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: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampled :

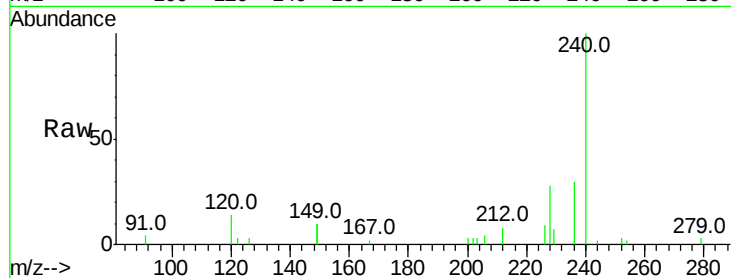
Tot Ion:240 Resp: 3264

Ion Ratio Lower Upper

240 100

120 13.7 5.5 8.3#

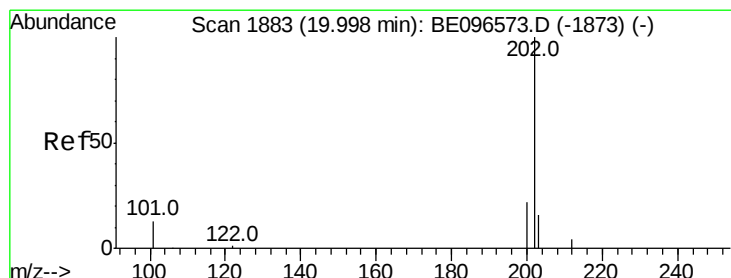
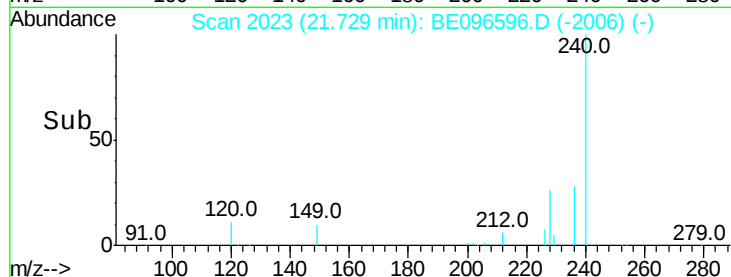
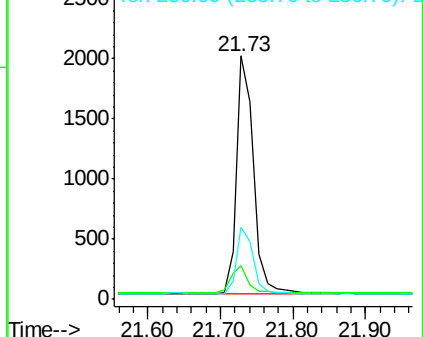
236 29.5 20.7 31.1



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: 0.138 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

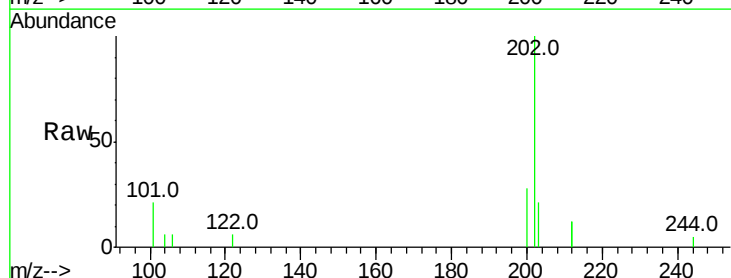
Tgt Ion:202 Resp: 814

Ion Ratio Lower Upper

202 100

200 21.6 16.6 25.0

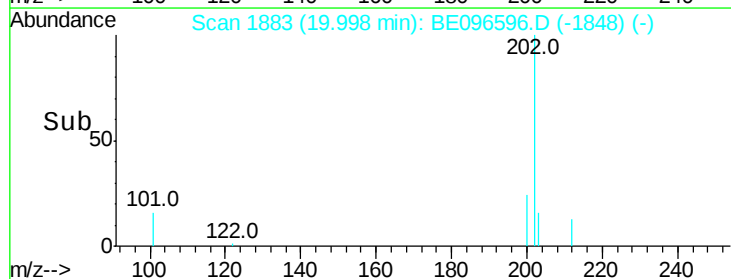
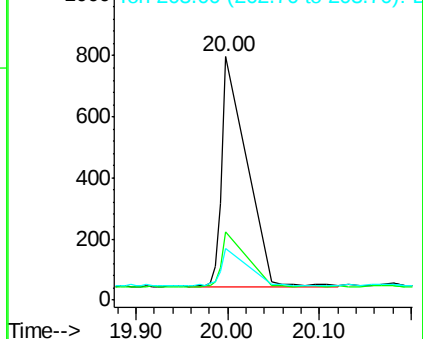
203 17.1 13.8 20.8

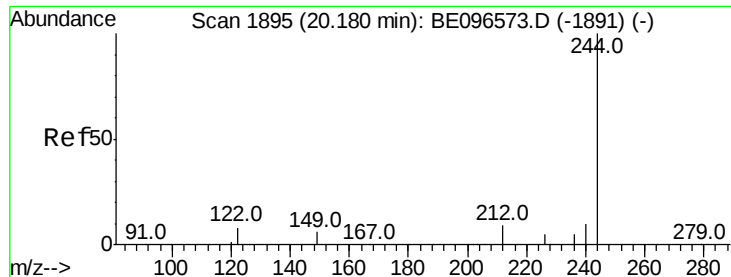


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampled :

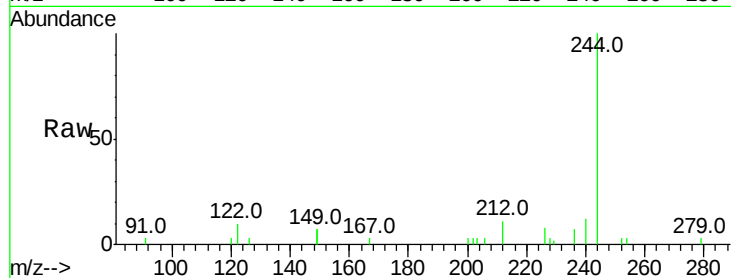
Tot Ion:244 Resp: 2461

Ion Ratio Lower Upper

244 100

212 11.5 25.4 38.0#

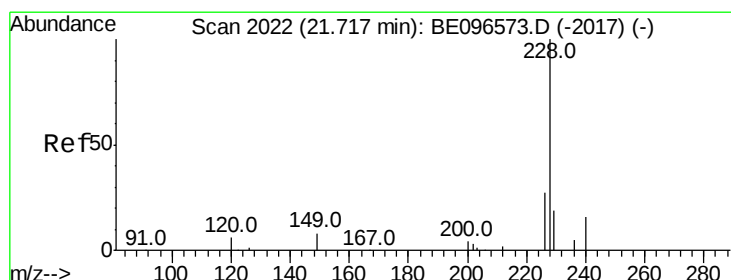
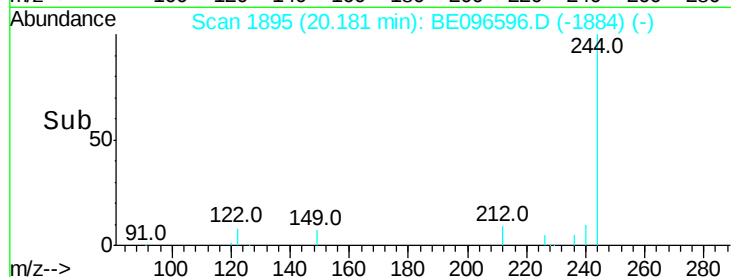
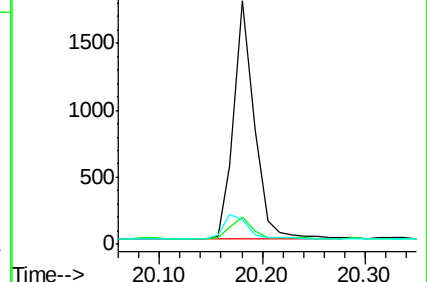
122 10.1 8.1 12.1



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: 0.181 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

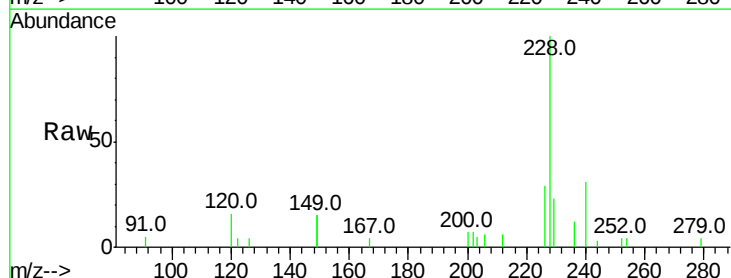
Tgt Ion:228 Resp: 1817

Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

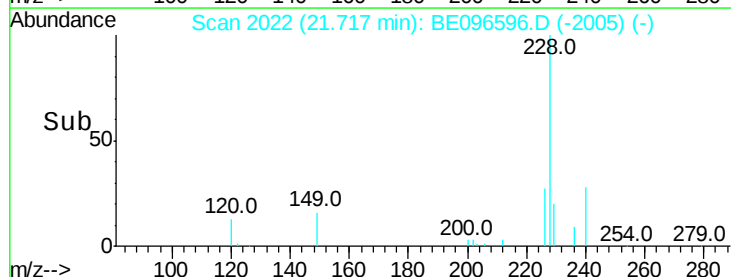
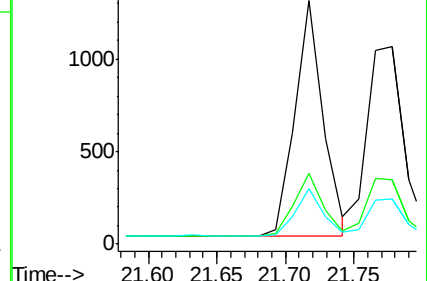
229 22.7 16.0 24.0

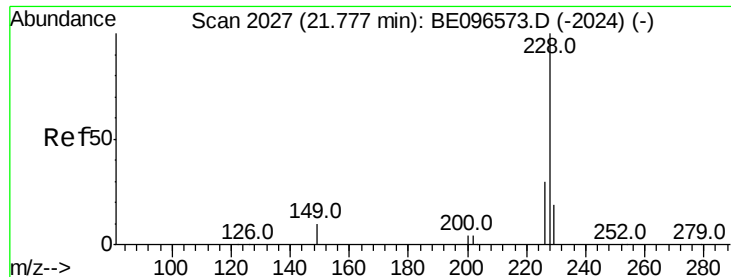


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.181 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

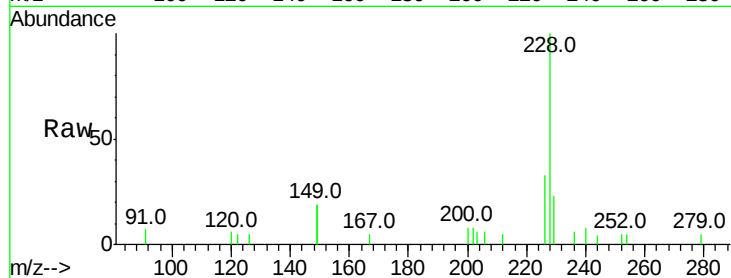
Tot Ion:228 Resp: 1894

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

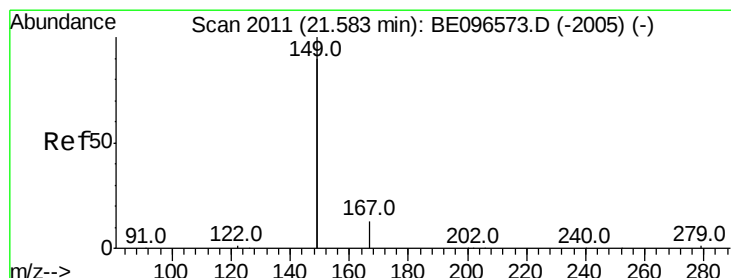
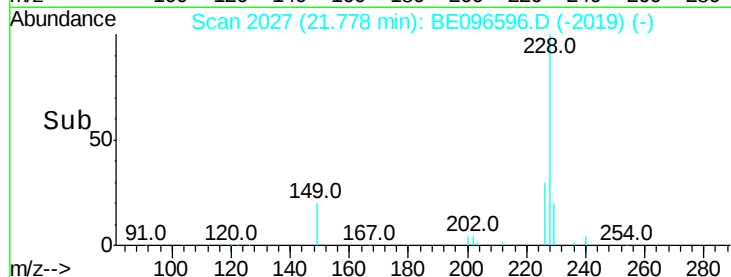
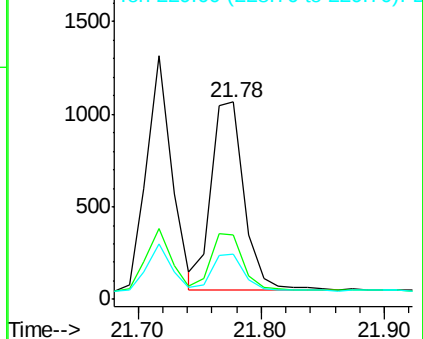
229 23.3 16.0 24.0



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: 0.156 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

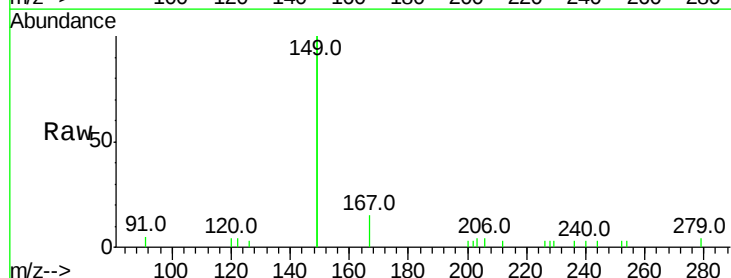
Tgt Ion:149 Resp: 3348

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

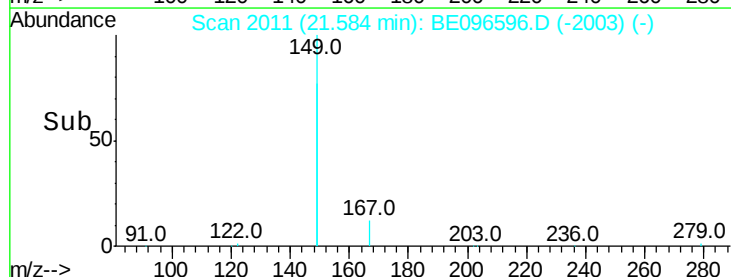
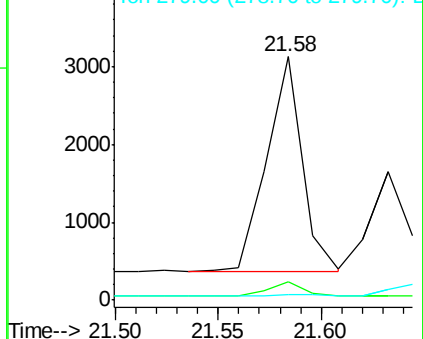
279 0.0 0.7 1.1#

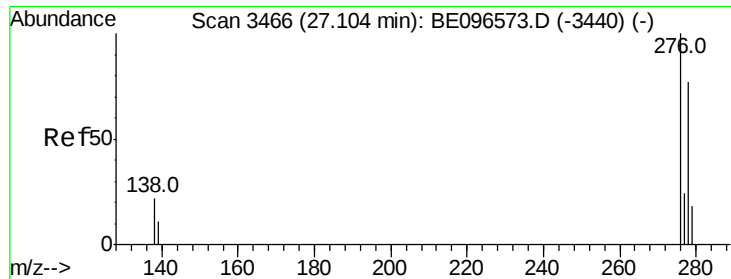


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.174 ng

RT: 27.10 min Scan# 3465

Delta R.T. -0.00 min

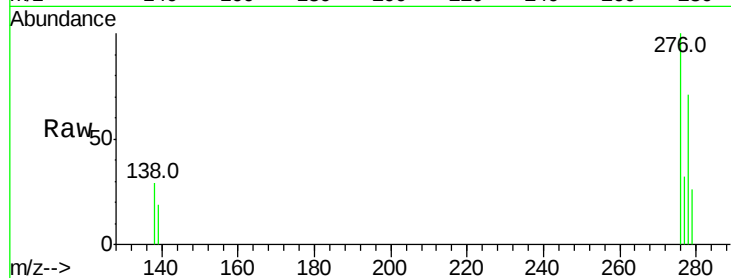
Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :



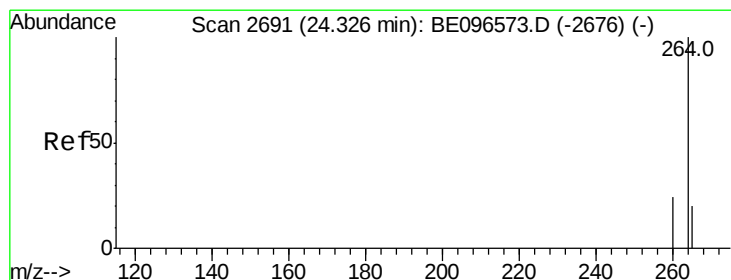
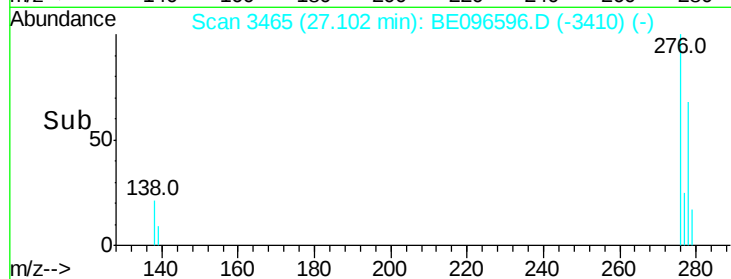
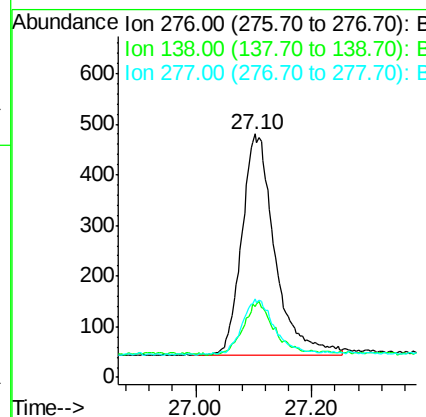
Tot Ion:276 Resp: 1740

Ion Ratio Lower Upper

276 100

138 20.7 22.5 33.7#

277 24.0 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: BE096596.D

Acq: 16 May 2018 16:43

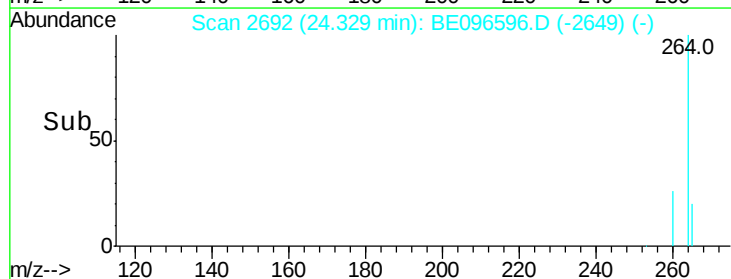
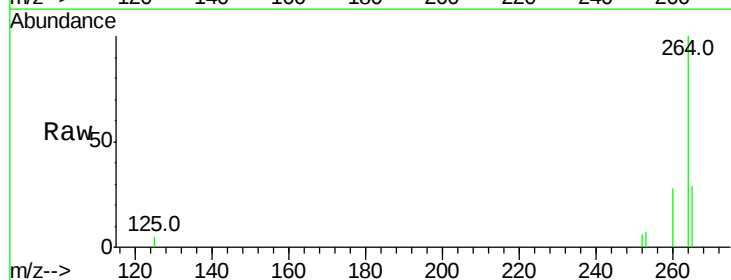
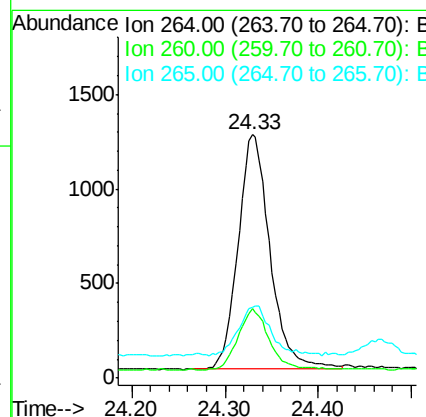
Tgt Ion:264 Resp: 2970

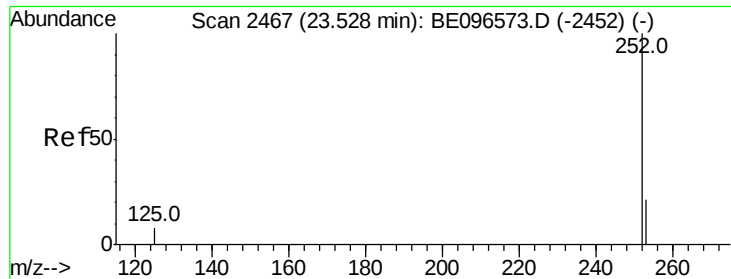
Ion Ratio Lower Upper

264 100

260 28.3 20.5 30.7

265 28.8 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.178 ng

RT: 23.52 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

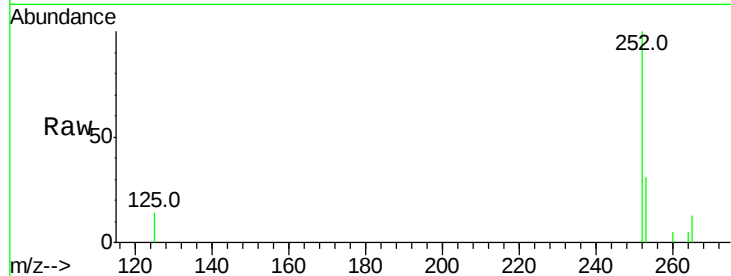
Tot Ion:252 Resp: 1631

Ion Ratio Lower Upper

252 100

253 30.7 20.0 30.0#

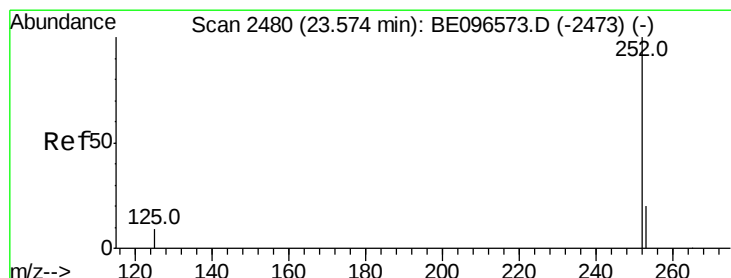
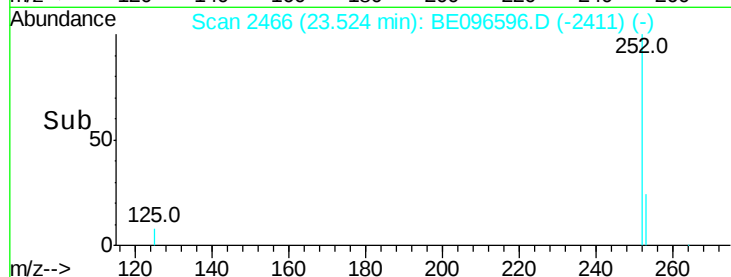
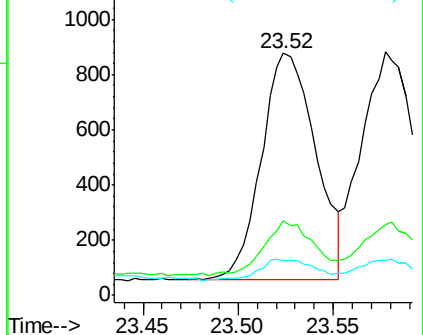
125 14.4 16.0 24.0#



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: 0.179 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

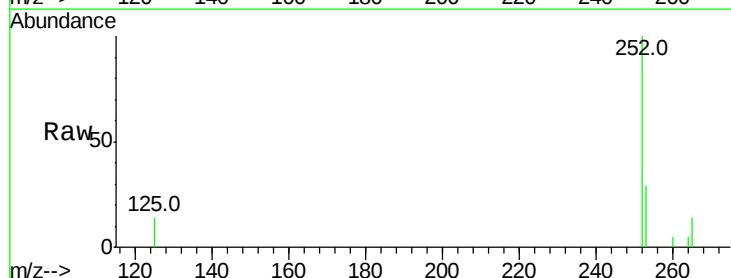
Tgt Ion:252 Resp: 1735

Ion Ratio Lower Upper

252 100

253 29.0 16.0 24.0#

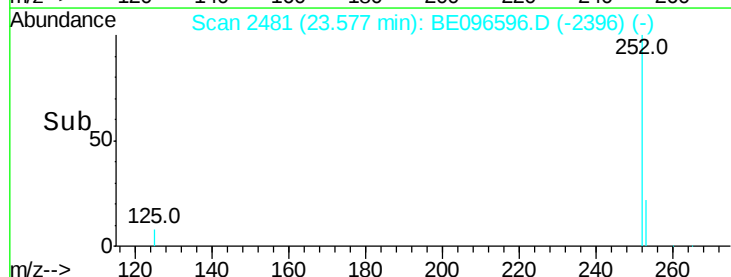
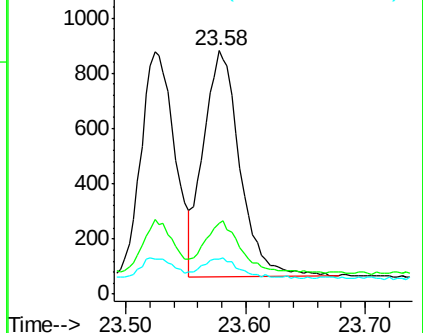
125 14.3 8.0 12.0#

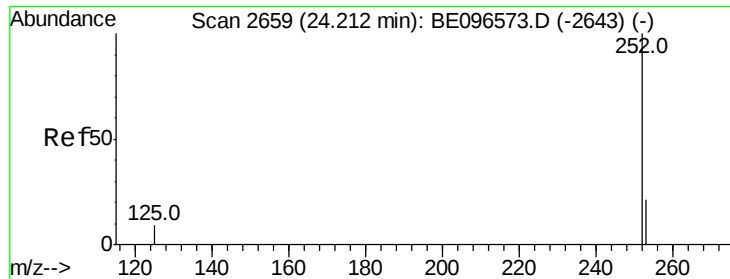


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.174 ng

RT: 24.21 min Scan# 2659

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :

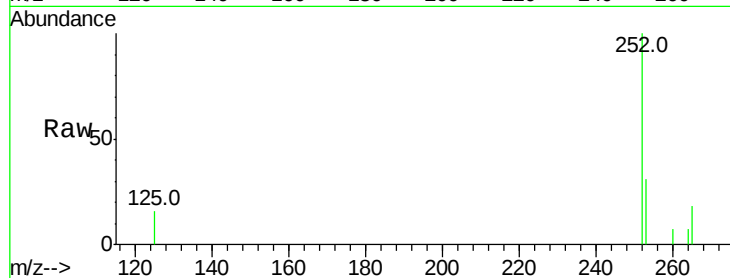
Tot Ion:252 Resp: 1520

Ion Ratio Lower Upper

252 100

253 31.1 16.0 24.0#

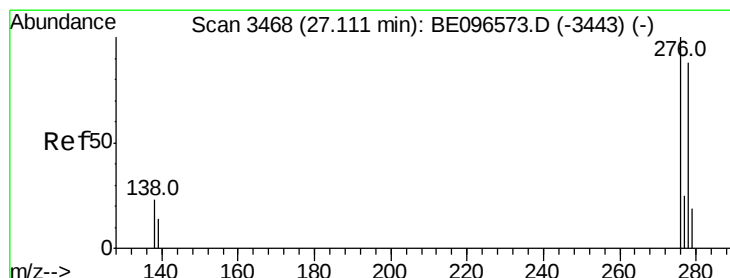
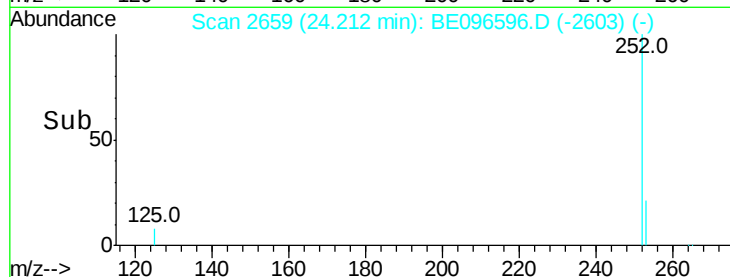
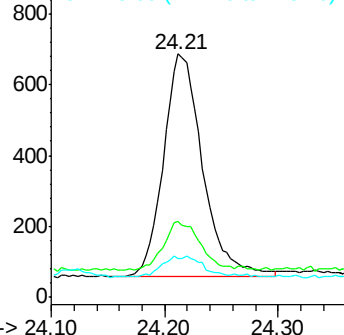
125 16.2 12.0 18.0



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: 0.170 ng

RT: 27.11 min Scan# 3467

Delta R.T. -0.00 min

Lab File: BE096596.D

Acq: 16 May 2018 16:43

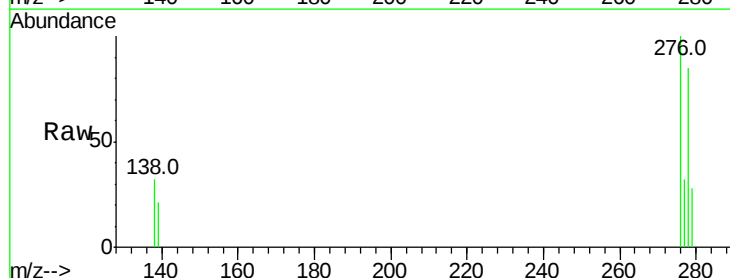
Tgt Ion:278 Resp: 1360

Ion Ratio Lower Upper

278 100

139 24.2 16.0 24.0#

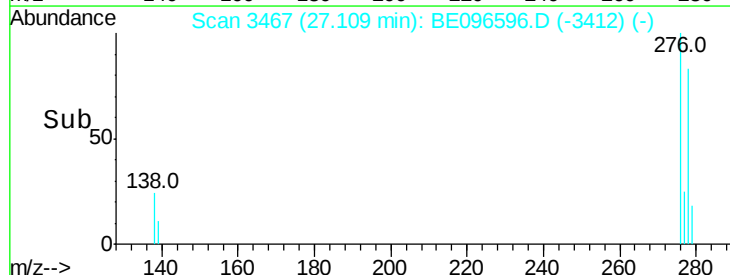
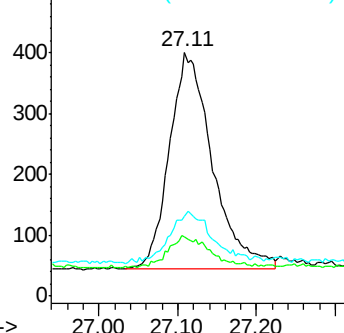
279 32.9 20.0 30.0#

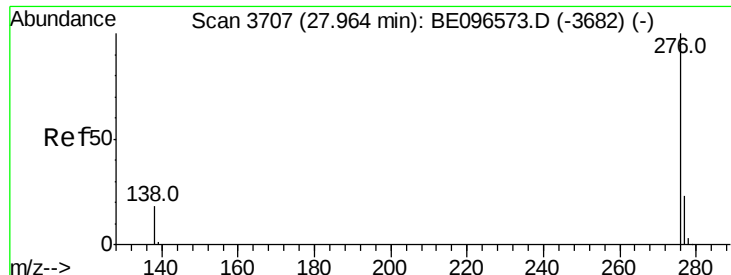


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.178 ng

RT: 27.97 min Scan# 3708

Delta R.T. 0.00 min

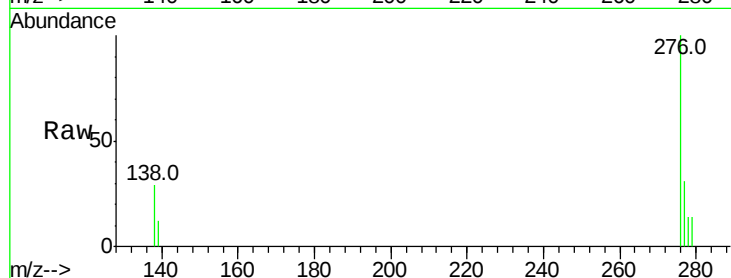
Lab File: BE096596.D

Acq: 16 May 2018 16:43

Instrument :

BNA_E

ClientSampleId :



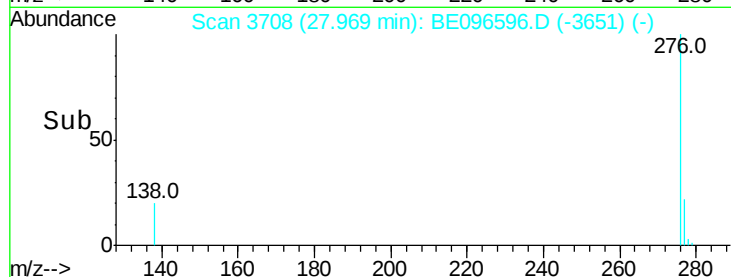
Tot Ion:276 Resp: 1491

Ion Ratio Lower Upper

276 100

277 30.9 16.0 24.0#

138 29.4 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

