

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051618\
 Data File : BE096597.D
 Acq On : 16 May 2018 17:18
 Operator : SJ/JU
 Sample : J2133-09
 Misc : MDL 0.1
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 03:57:09 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	692	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2866	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1683	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3807	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3640	0.40	ng	0.00
34) Perylene-d12	24.33	264	3284	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.85	112	645	0.34	ng	0.00
5) Phenol-d6	7.50	99	876	0.32	ng	0.00
8) Nitrobenzene-d5	9.53	82	1042	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1743	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	190	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2658	0.37	ng	0.00
25) Fluoranthene-d10	19.63	212	17232	0.37	ng	0.00
29) Terphenyl-d14	20.18	244	2702	0.33	ng	0.00

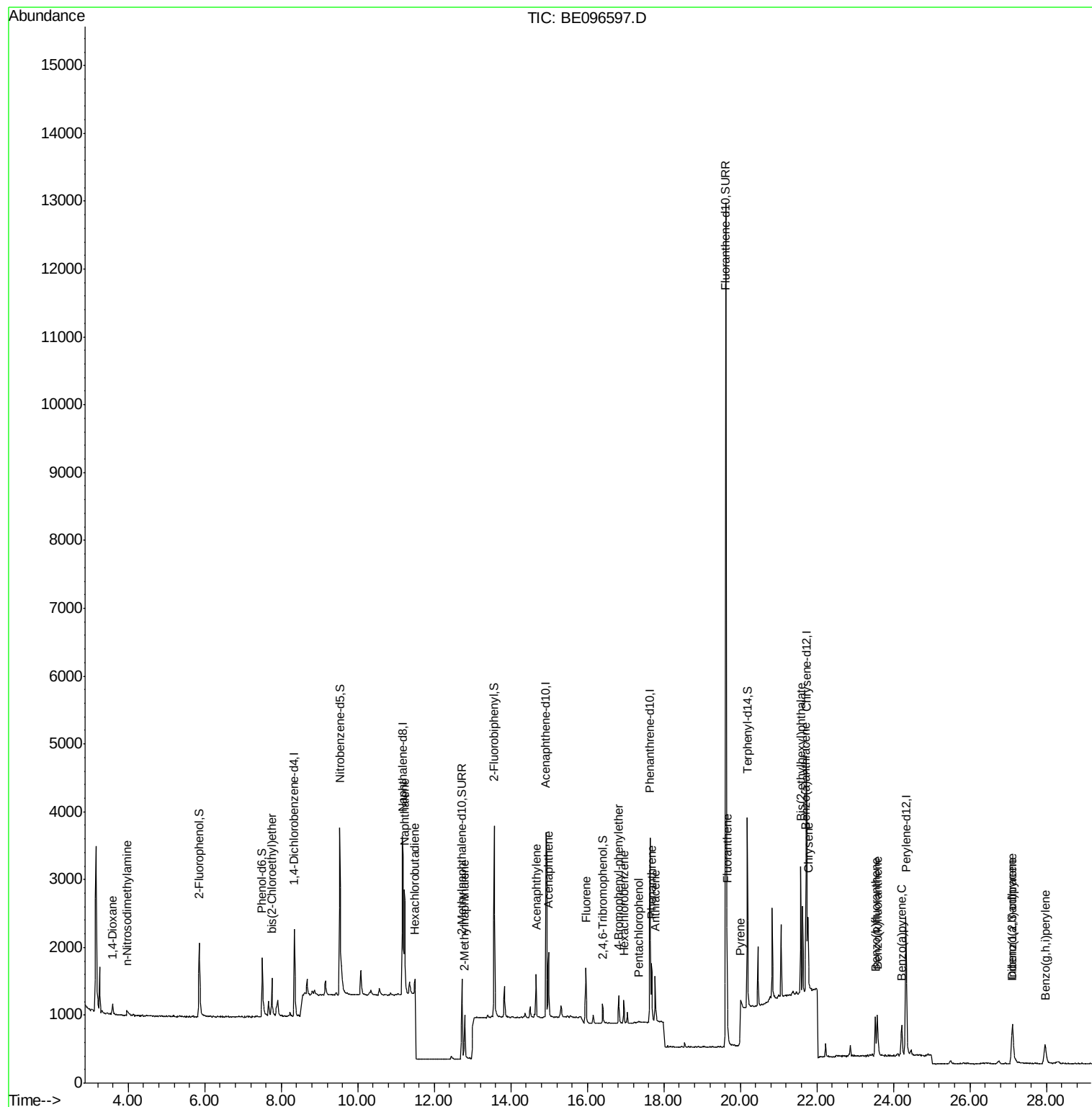
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.58	88	106	0.102	ng	88
3) n-Nitrosodimethylamine	3.97	42	95	0.073	ng	# 72
6) bis(2-Chloroethyl)ether	7.75	93	251	0.099	ng	79
9) Naphthalene	11.22	128	2864	0.095	ng	# 94
10) Hexachlorobutadiene	11.49	225	155	0.092	ng	96
12) 2-Methylnaphthalene	12.79	142	471	0.091	ng	# 87
16) Acenaphthylene	14.66	152	748	0.085	ng	96
17) Acenaphthene	14.99	154	492	0.092	ng	90
18) Fluorene	15.96	166	785	0.118	ng	# 66
20) 4-Bromophenyl-phenylether	16.82	248	203	0.088	ng	# 70
21) Hexachlorobenzene	16.95	284	208	0.086	ng	# 80
22) Pentachlorophenol	17.33	266	22	0.211	ng	95
23) Phenanthrene	17.67	178	978	0.091	ng	98
24) Anthracene	17.77	178	827	0.083	ng	# 95
26) Fluoranthene	19.65	202	1146	0.090	ng	96
28) Pyrene	20.00	202	452	0.069	ng	# 91
30) Benzo(a)anthracene	21.72	228	967	0.086	ng	# 93
31) Chrysene	21.78	228	1043	0.090	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.58	149	2045	0.085	ng	99
33) Indeno(1,2,3-cd)pyrene	27.11	276	936	0.084	ng	# 90
35) Benzo(b)fluoranthene	23.53	252	883	0.087	ng	# 89
36) Benzo(k)fluoranthene	23.58	252	975	0.091	ng	# 72
37) Benzo(a)pyrene	24.22	252	870	0.090	ng	# 72
38) Dibenzo(a,h)anthracene	27.12	278	697	0.079	ng	# 68
39) Benzo(g,h,i)perylene	27.97	276	824	0.089	ng	# 73

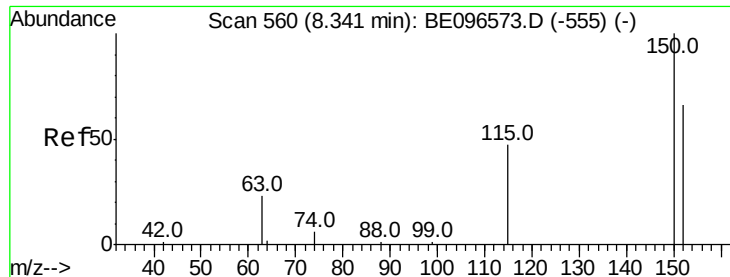
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 13:02:03 2018
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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: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

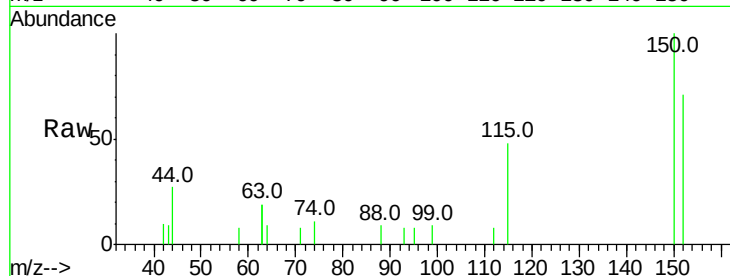
Tot Ion:152 Resp: 692

Ion Ratio Lower Upper

152 100

150 141.3 117.2 175.8

115 68.3 57.0 85.6



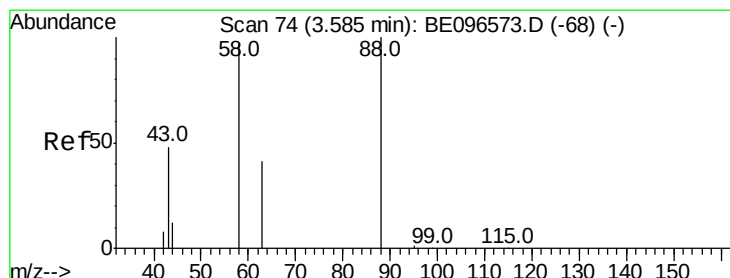
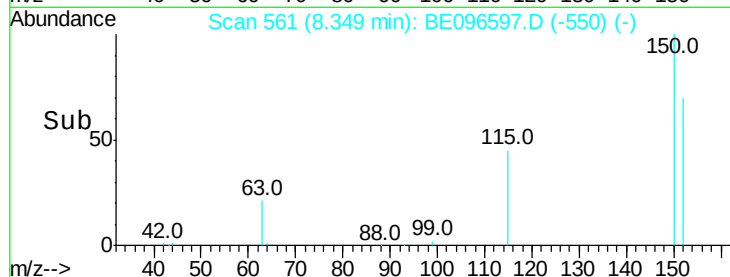
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

8.35

Time-->



#2

1,4-Dioxane

Concen: 0.102 ng

RT: 3.58 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

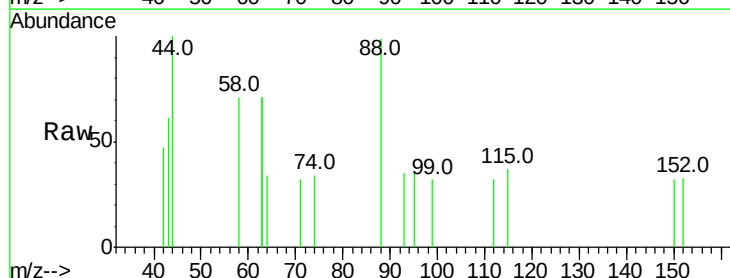
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

58 90.6 63.2 94.8

43 44.3 41.2 61.8



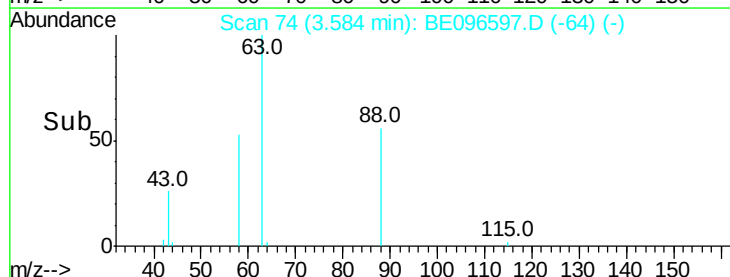
Abundance Ion 88.00 (87.70 to 88.70): BE0

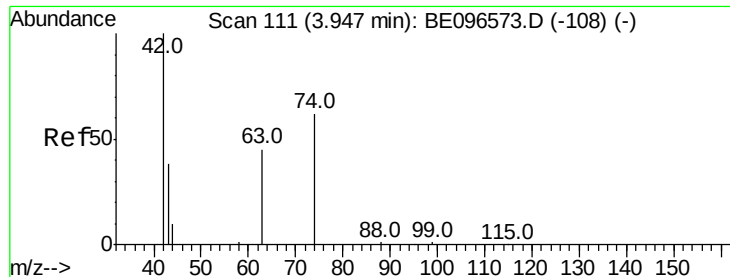
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.58

Time-->



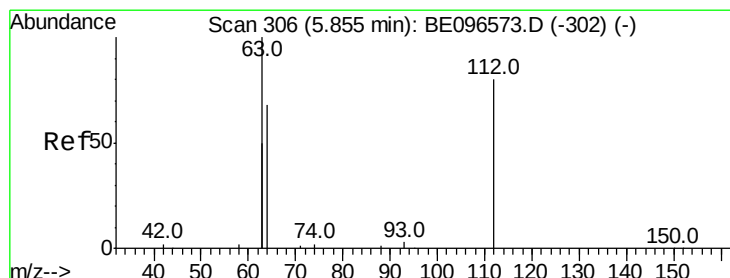
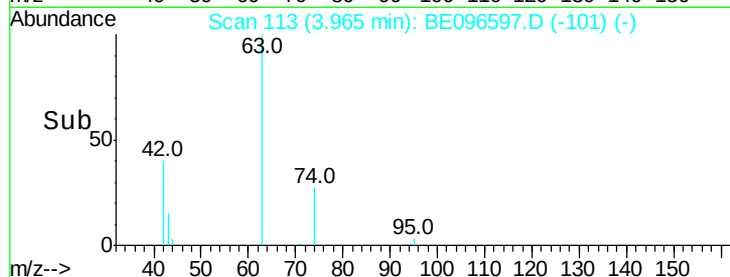
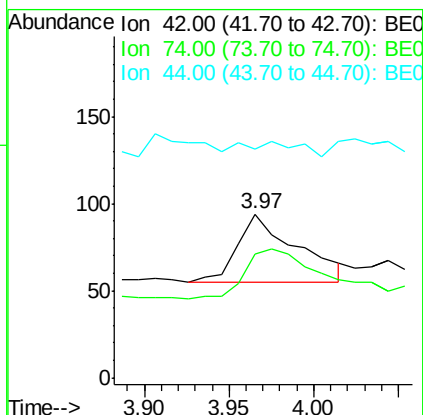
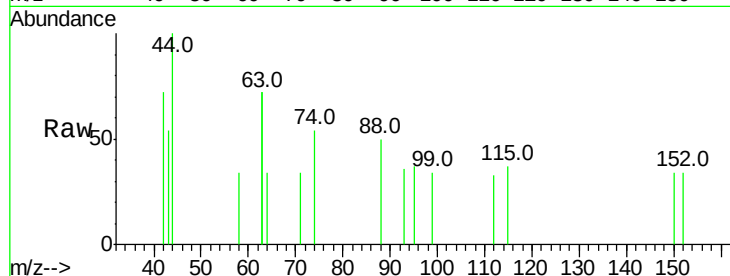


#3

n-Nitrosodimethylamine
 Concen: 0.073 ng
 RT: 3.97 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: BE096597.D
 Acq: 16 May 2018 17:18

Instrument :
 BNA_E
 ClientSampleId :

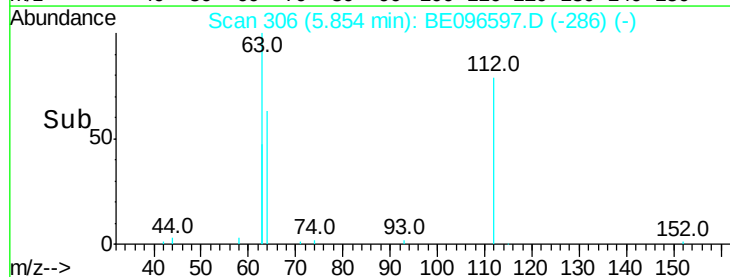
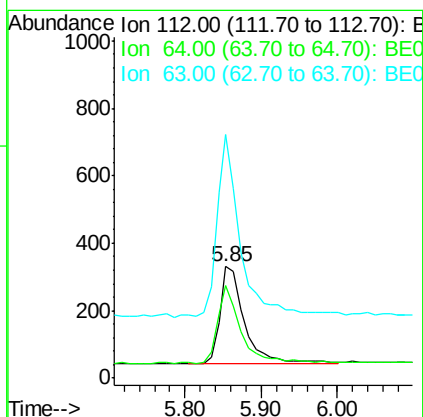
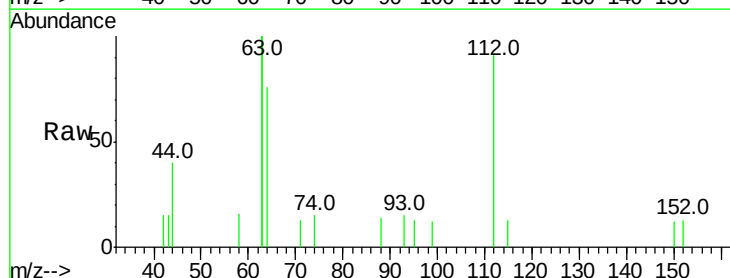
Tot Ion	Ratio	Lower	Upper
42	100		
74	86.3	96.0	144.0#
44	20.0	12.0	18.0#

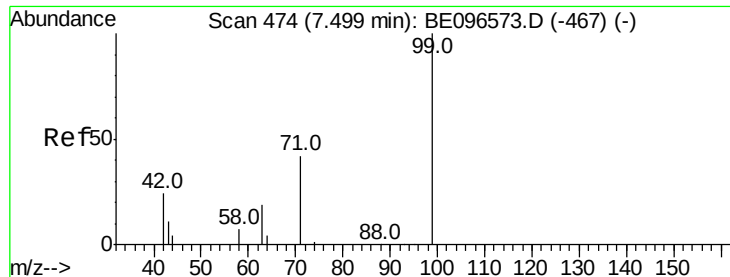


#4

2-Fluorophenol
 Concen: 0.338 ng
 RT: 5.85 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: BE096597.D
 Acq: 16 May 2018 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.4	60.1	90.1
63	178.9	116.8	175.2#





#5

Phenol-d6

Concen: 0.324 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

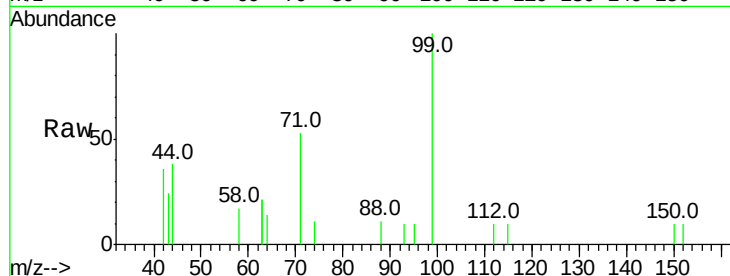
Tot Ion: 99 Resp: 876

Ion Ratio Lower Upper

99 100

42 28.2 20.2 30.2

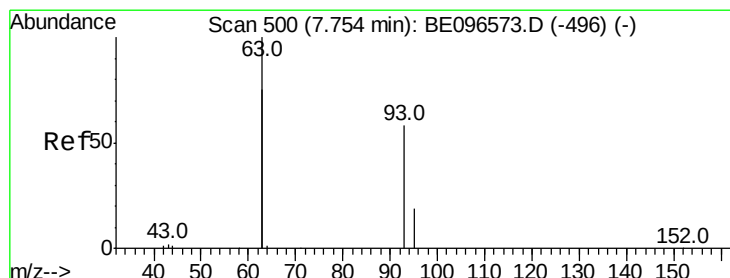
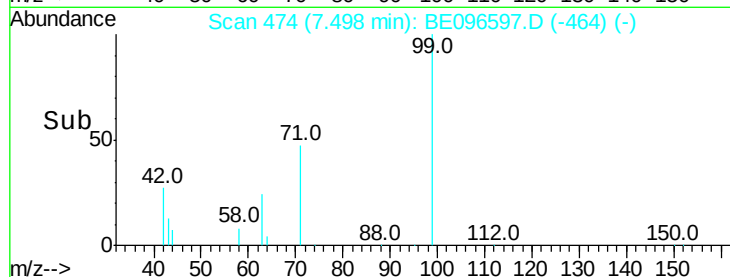
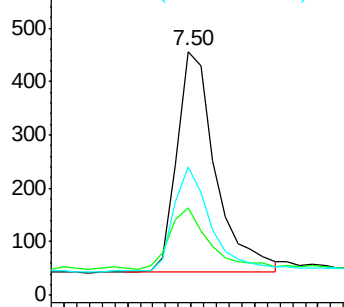
71 45.9 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.099 ng

RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

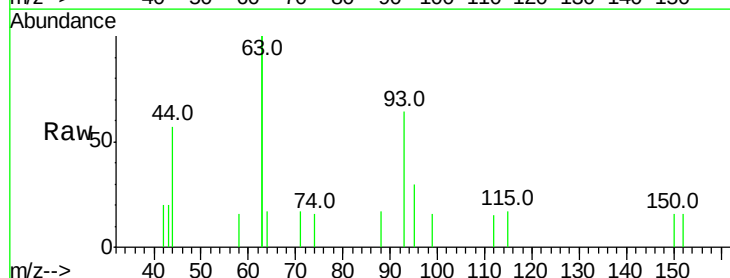
Tgt Ion: 93 Resp: 251

Ion Ratio Lower Upper

93 100

63 296.0 275.3 412.9

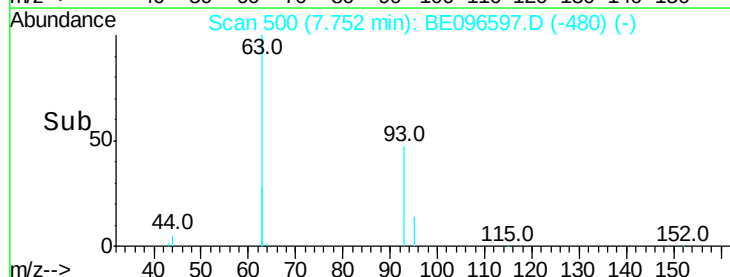
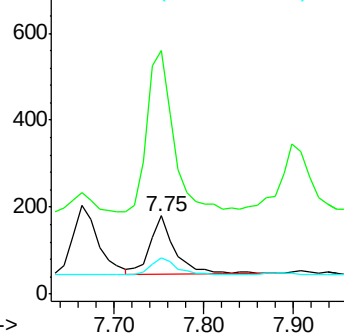
95 33.5 25.2 37.8

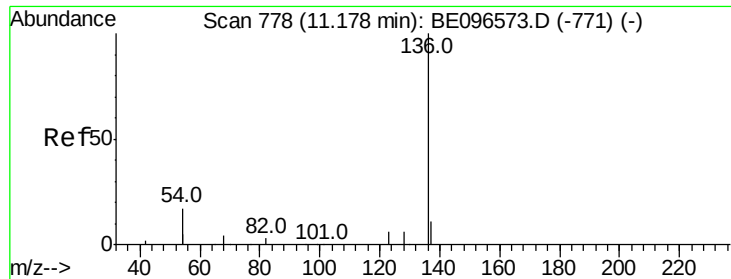


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2866

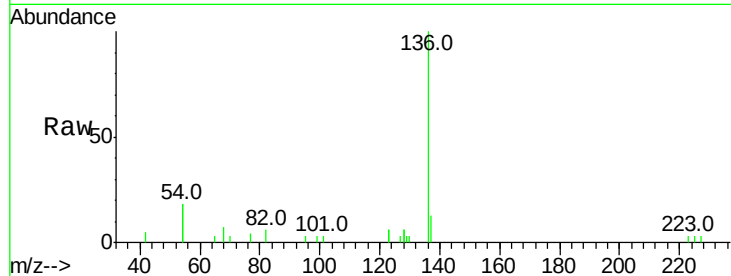
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 36.8 29.1 43.7

68 7.3 6.2 9.2

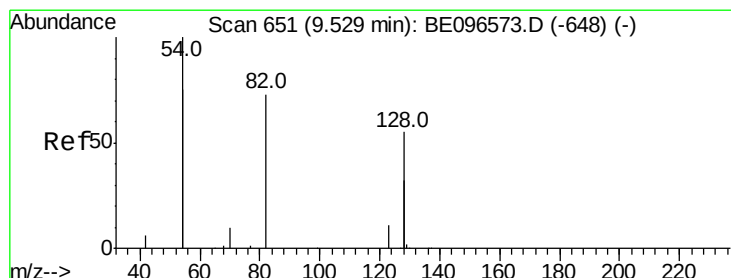
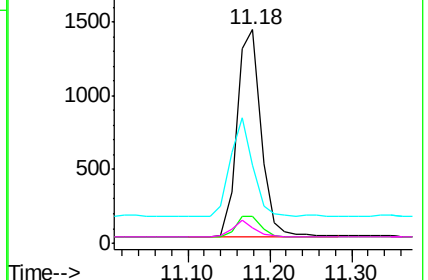
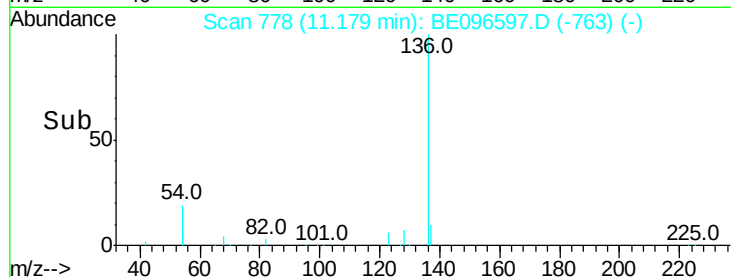


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.342 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

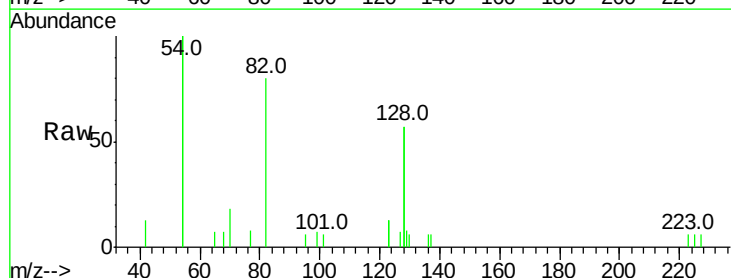
Tgt Ion: 82 Resp: 1042

Ion Ratio Lower Upper

82 100

128 143.1 150.0 225.0#

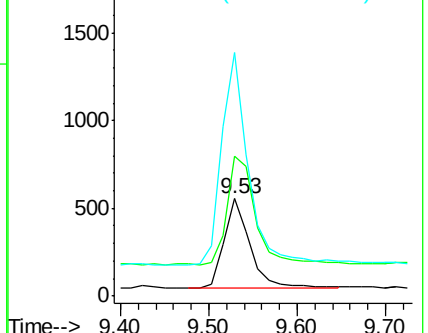
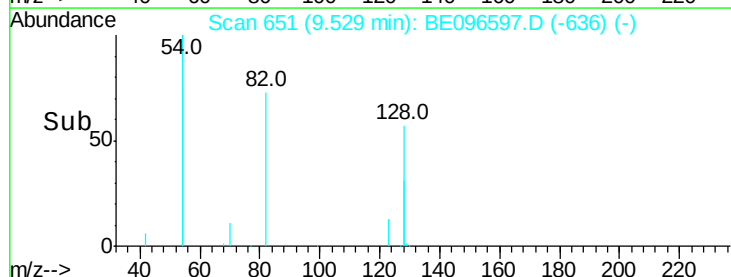
54 250.1 154.2 231.4#

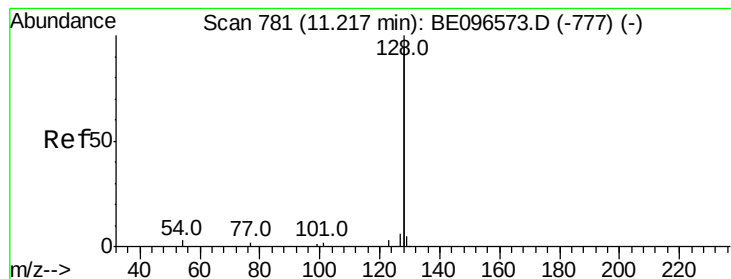


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.095 ng

RT: 11.22 min Scan# 781

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

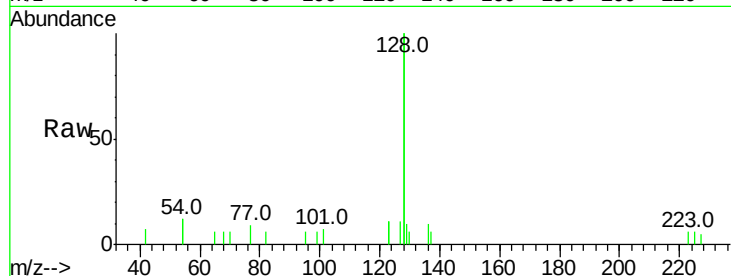
Tot Ion:128 Resp: 2864

Ion Ratio Lower Upper

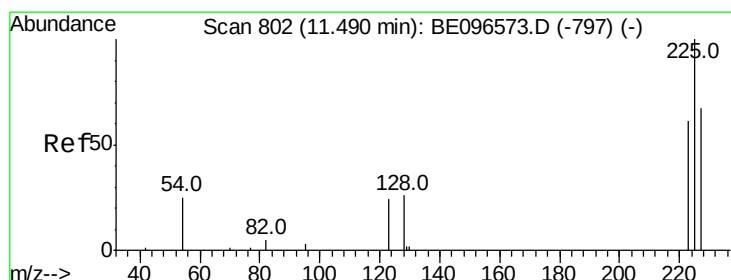
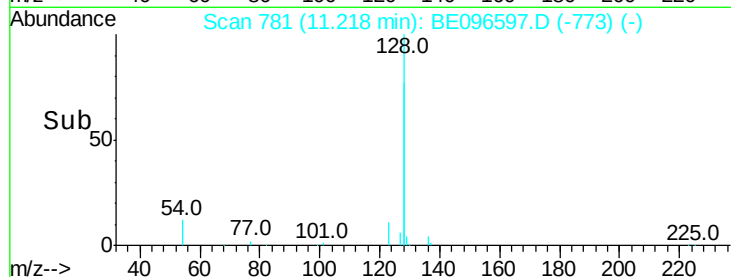
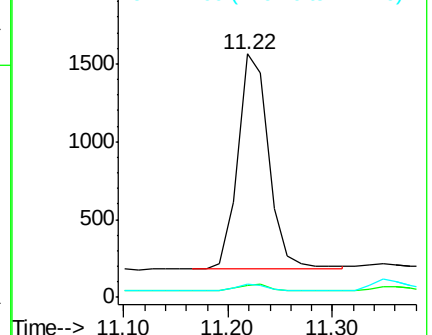
128 100

129 4.9 2.6 3.8#

127 5.6 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: 0.092 ng

RT: 11.49 min Scan# 802

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

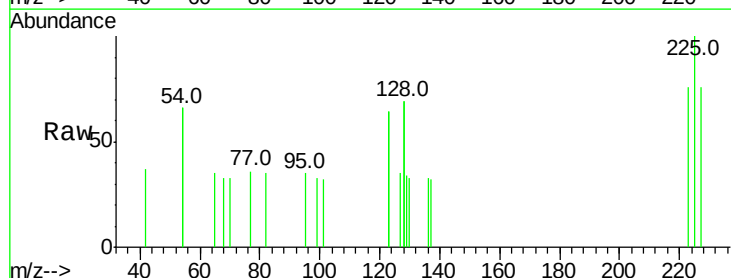
Tgt Ion:225 Resp: 155

Ion Ratio Lower Upper

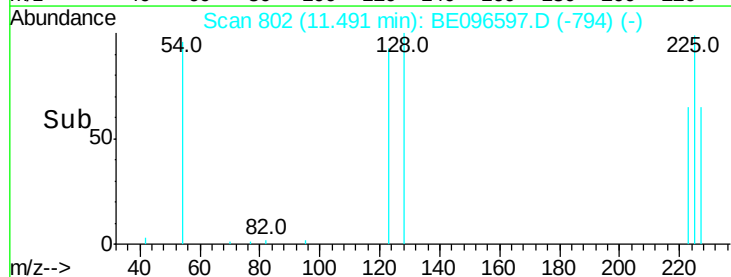
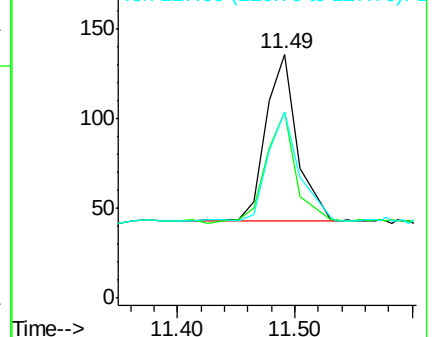
225 100

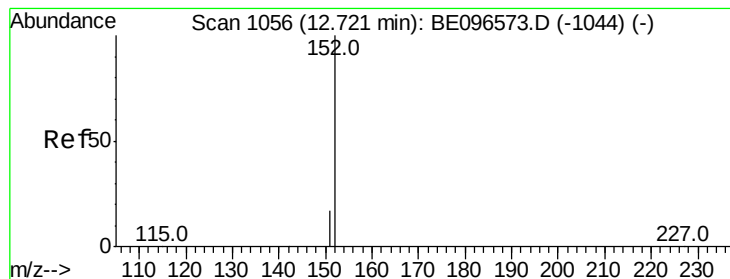
223 62.6 53.0 79.6

227 61.3 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: 0.372 ng

RT: 12.72 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

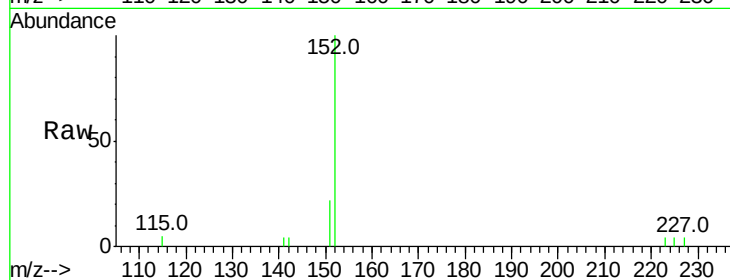
ClientSampleId :

Tot Ion:152 Resp: 1743

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1200

1000

800

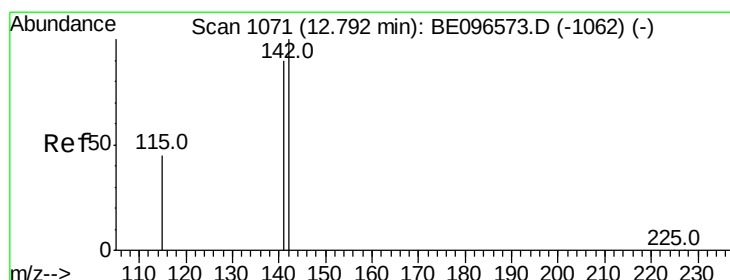
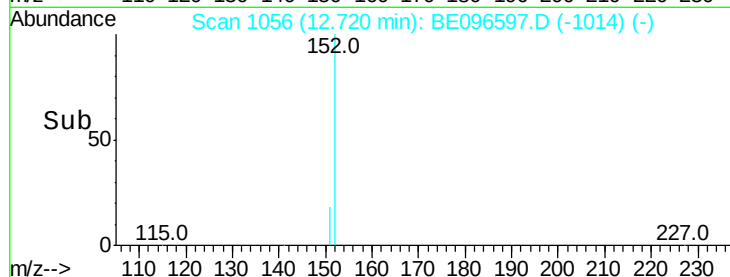
600

400

200

0

Time--> 12.60 12.70 12.80



#12

2-Methylnaphthalene

Concen: 0.091 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

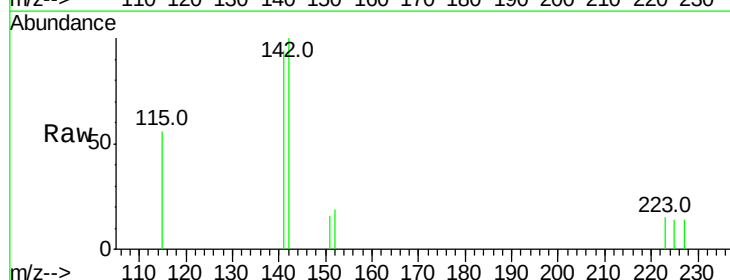
Tgt Ion:142 Resp: 471

Ion Ratio Lower Upper

142 100

141 94.4 70.4 105.6

115 56.2 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

400

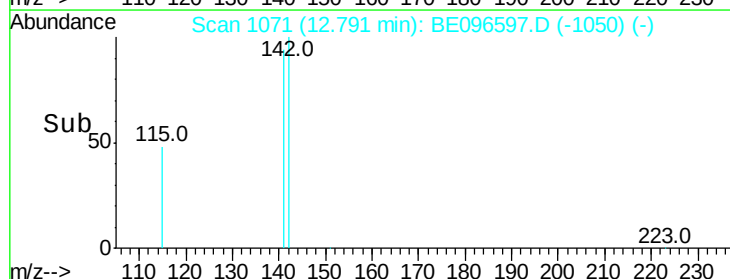
300

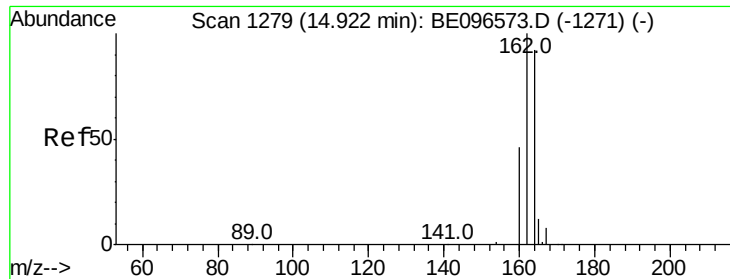
200

100

0

Time--> 12.70 12.80 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.92 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

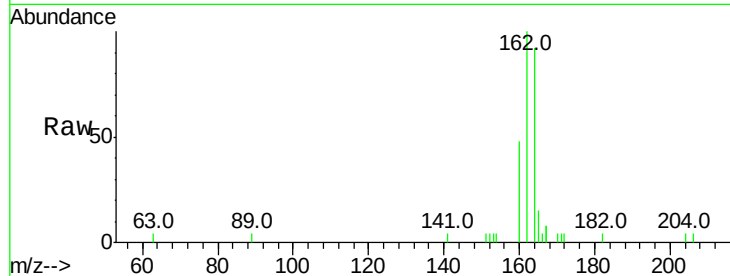
Tot Ion:164 Resp: 1683

Ion Ratio Lower Upper

164 100

162 109.0 83.1 124.7

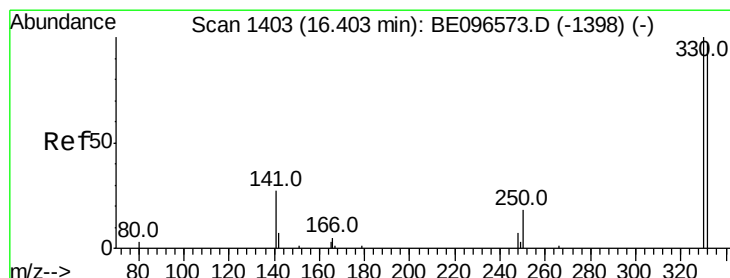
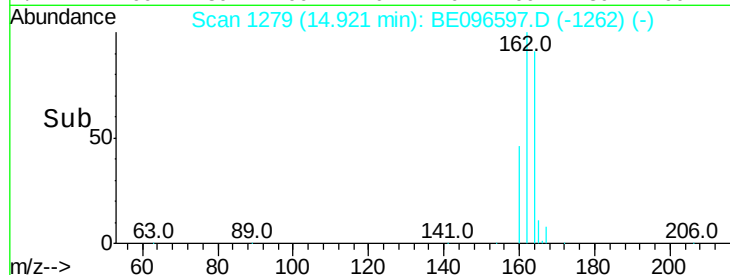
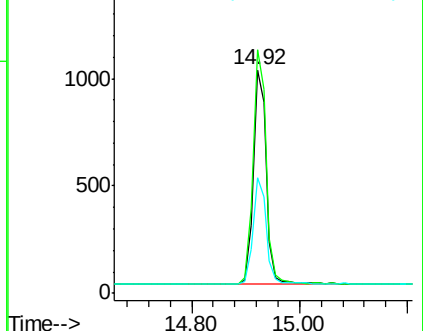
160 52.0 37.1 55.7



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: 0.286 ng

RT: 16.40 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

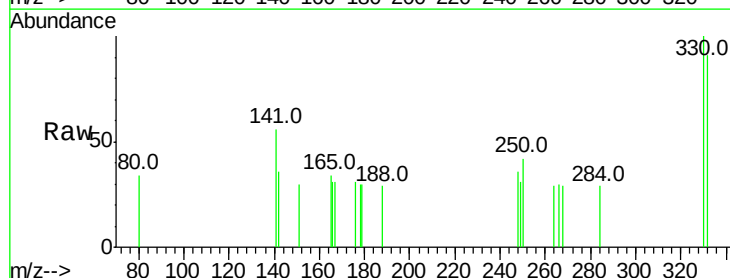
Tgt Ion:330 Resp: 190

Ion Ratio Lower Upper

330 100

332 93.7 152.7 229.1#

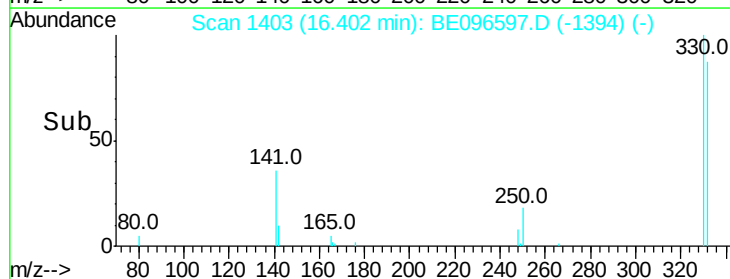
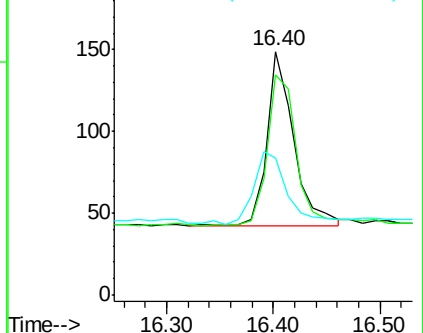
141 48.9 33.7 50.5

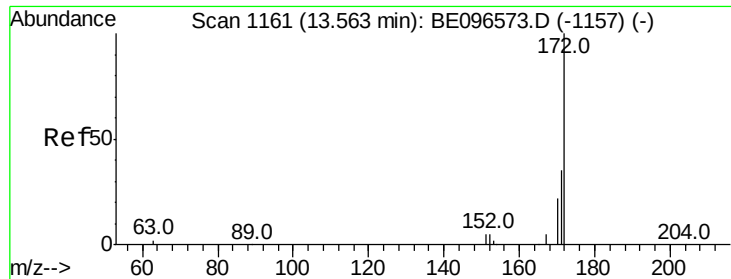


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

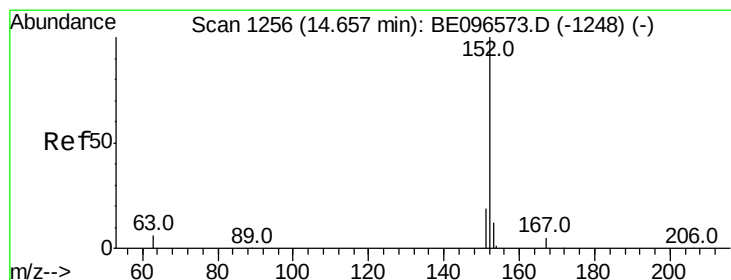
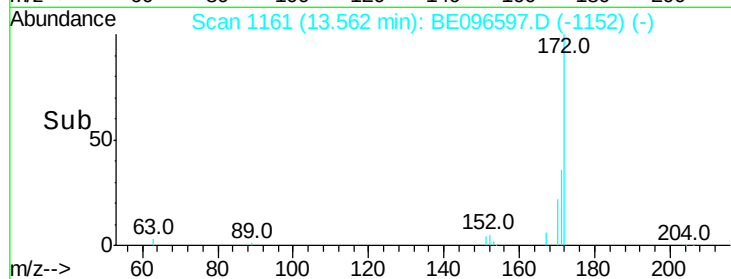
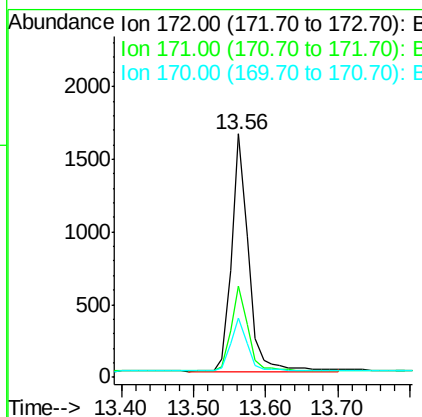
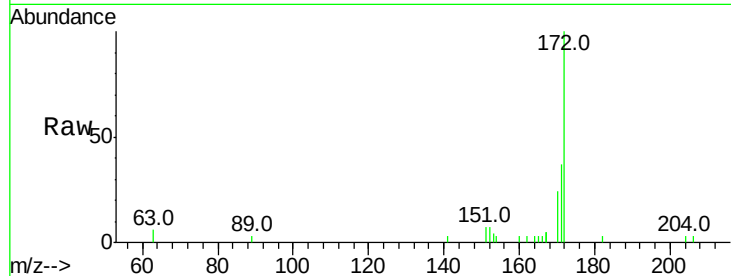




#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096597.D
Acq: 16 May 2018 17:18

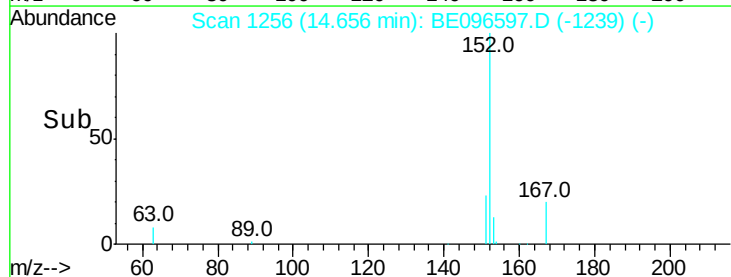
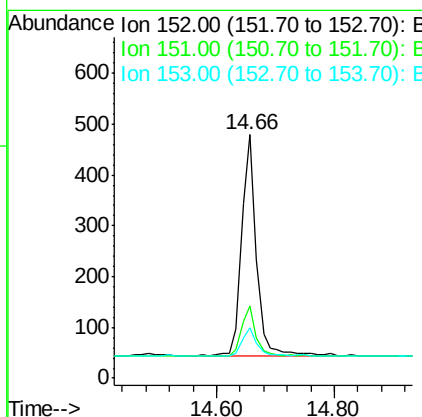
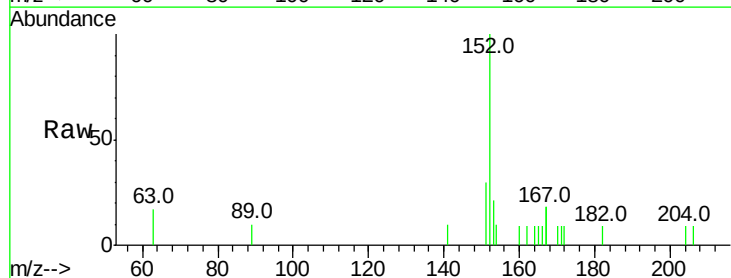
Instrument :
BNA_E
ClientSampleId :

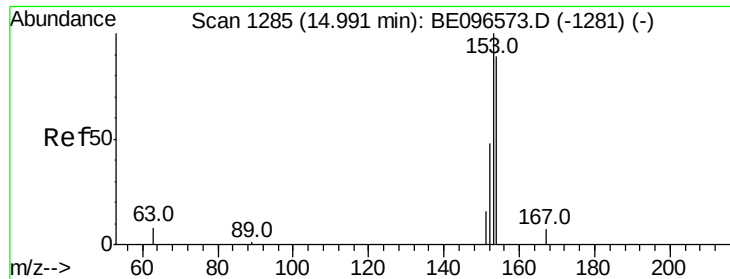
Tot Ion:172 Resp: 2658
Ion Ratio Lower Upper
172 100
171 37.3 29.9 44.9
170 24.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096597.D
Acq: 16 May 2018 17:18

Tgt Ion:152 Resp: 748
Ion Ratio Lower Upper
152 100
151 22.6 15.7 23.5
153 12.7 10.5 15.7





#17

Acenaphthene

Concen: 0.092 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

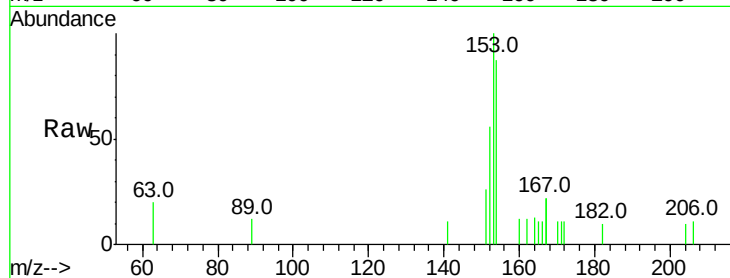
Tot Ion:154 Resp: 492

Ion Ratio Lower Upper

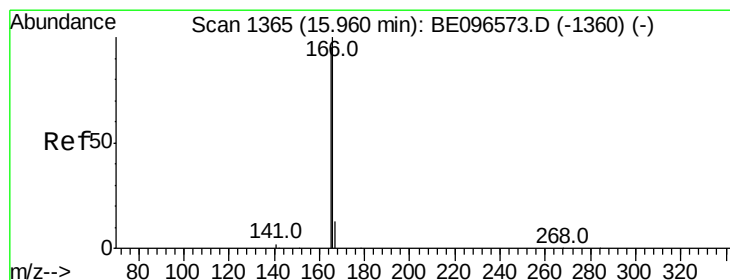
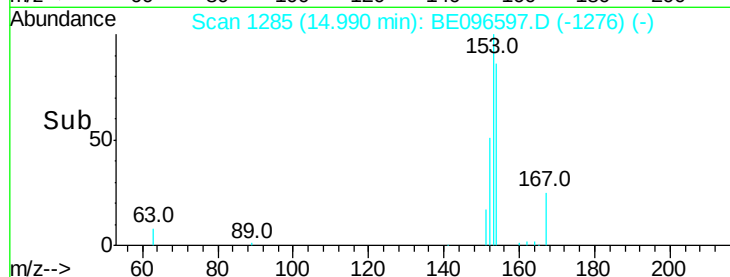
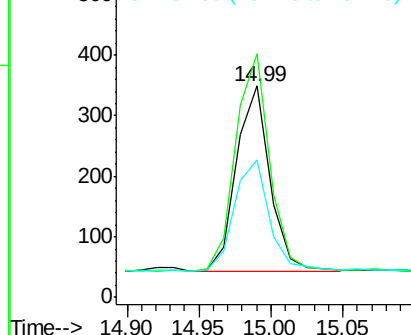
154 100

153 119.3 89.2 133.8

152 62.8 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: 0.118 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

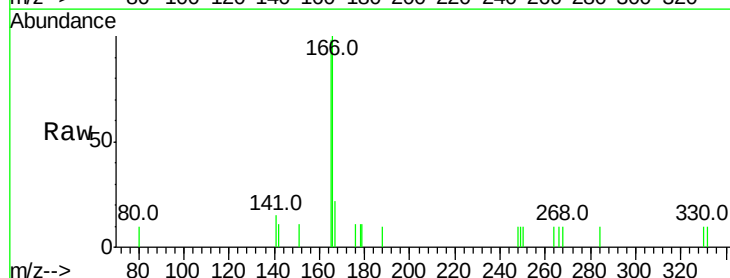
Tgt Ion:166 Resp: 785

Ion Ratio Lower Upper

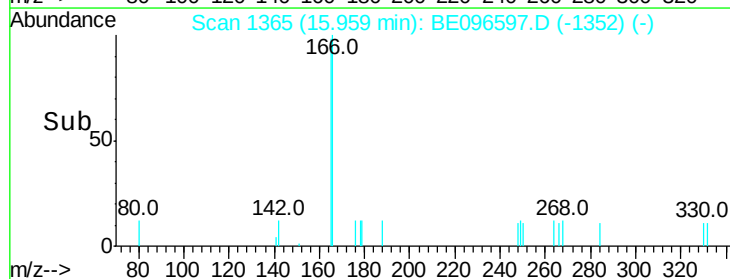
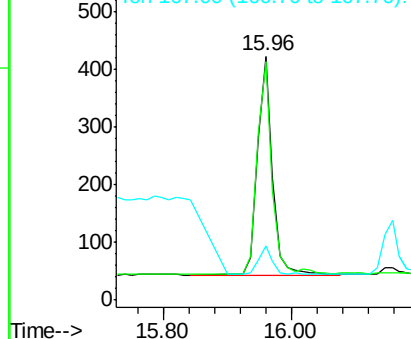
166 100

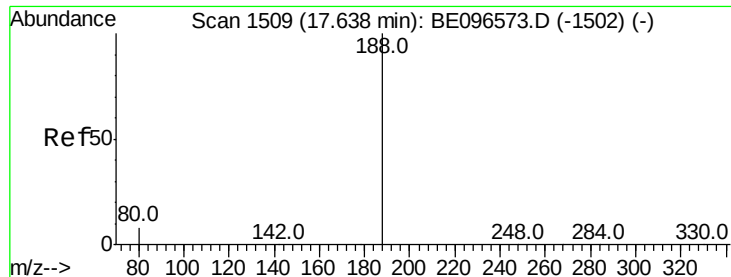
165 77.7 77.8 116.6#

167 9.9 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: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

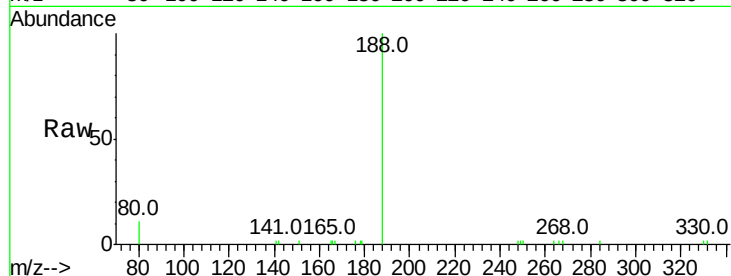
Tot Ion:188 Resp: 3807

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

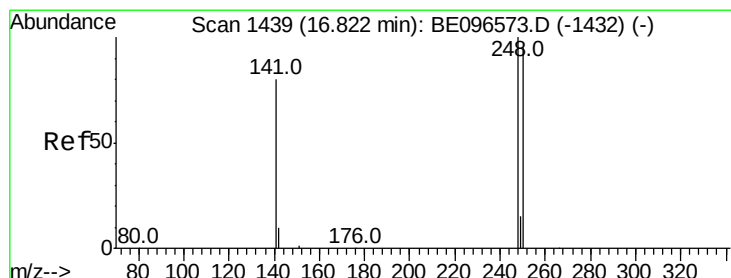
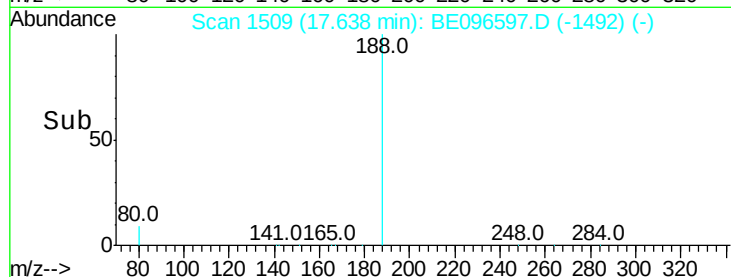
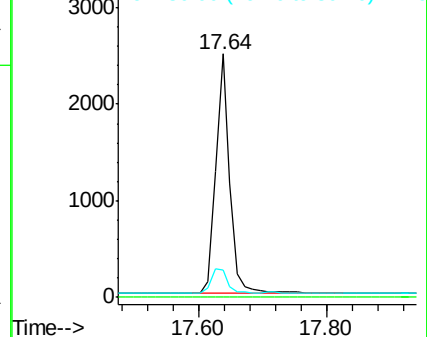
80 11.0 3.6 5.4#



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: BE096597.D

Acq: 16 May 2018 17:18

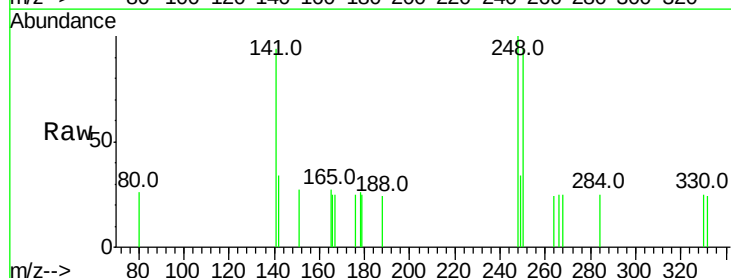
Tgt Ion:248 Resp: 203

Ion Ratio Lower Upper

248 100

250 94.4 62.7 94.1#

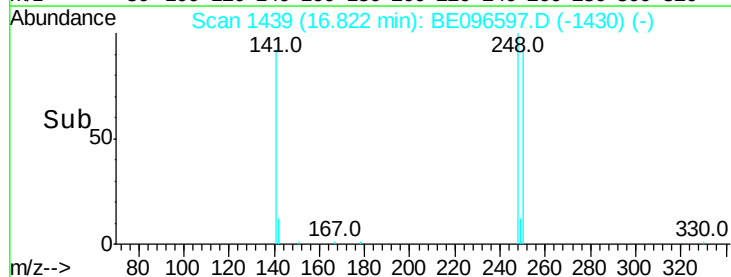
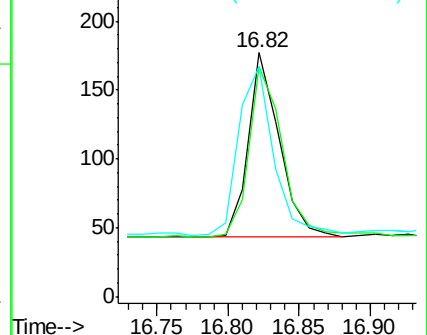
141 94.4 48.2 72.2#

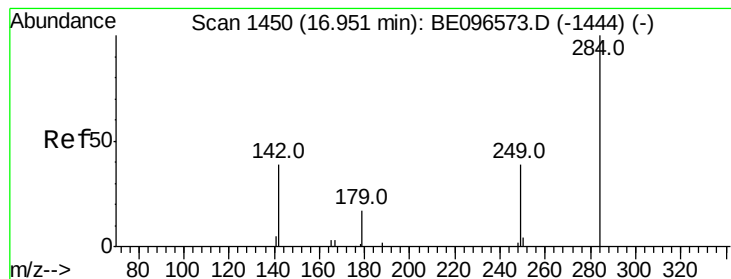


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.086 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampled :

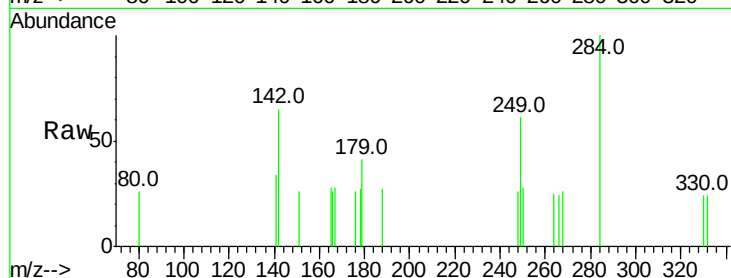
Tot Ion:284 Resp: 208

Ion Ratio Lower Upper

284 100

142 52.4 22.1 33.1#

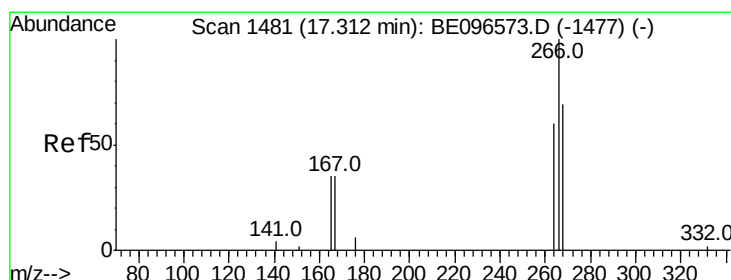
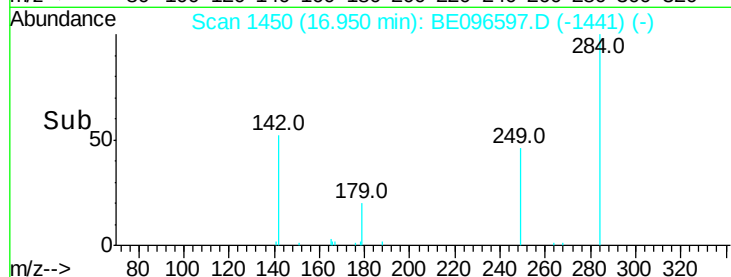
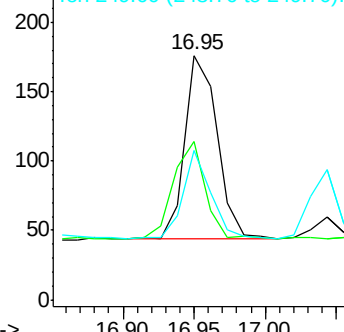
249 41.8 34.8 52.2



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: 0.211 ng

RT: 17.33 min Scan# 1483

Delta R.T. 0.02 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

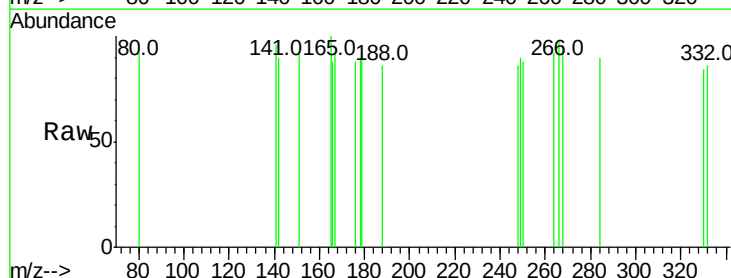
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

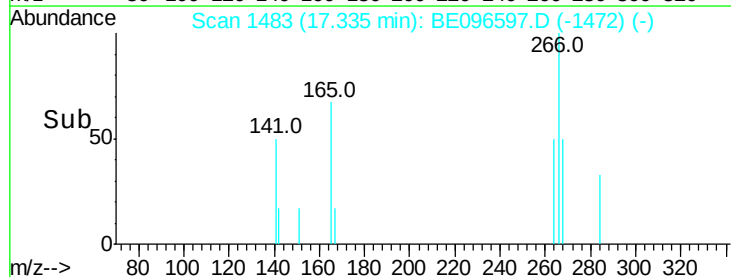
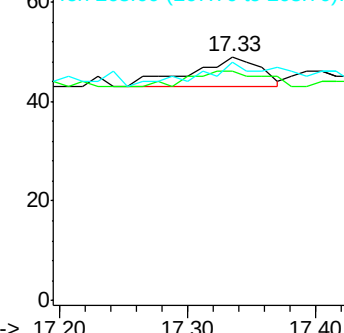
268 98.0 73.8 110.6

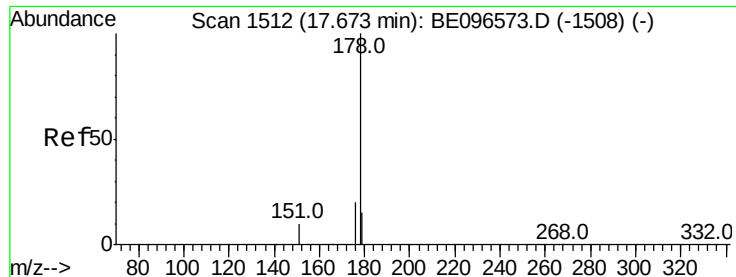


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.091 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

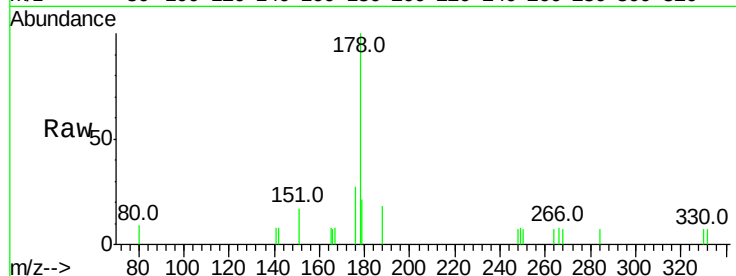
Tot Ion:178 Resp: 978

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

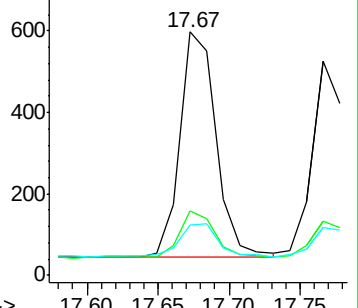
179 15.5 11.8 17.6



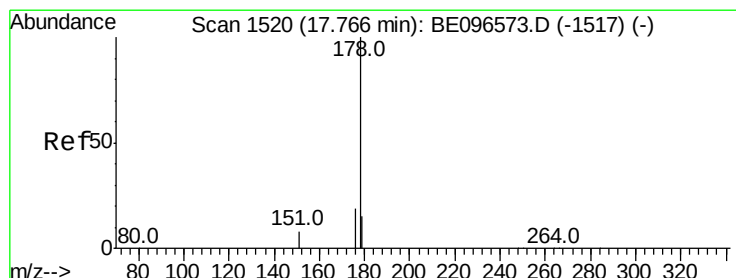
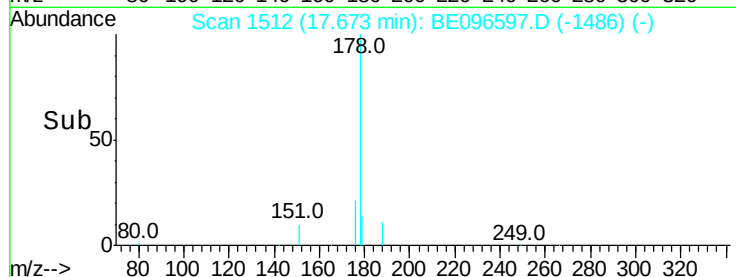
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.083 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

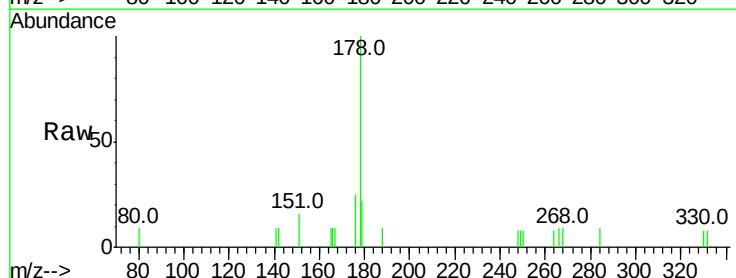
Tgt Ion:178 Resp: 827

Ion Ratio Lower Upper

178 100

176 19.6 12.8 19.2#

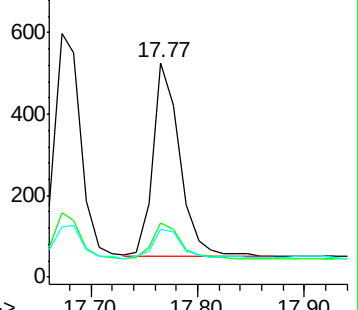
179 16.9 13.0 19.6



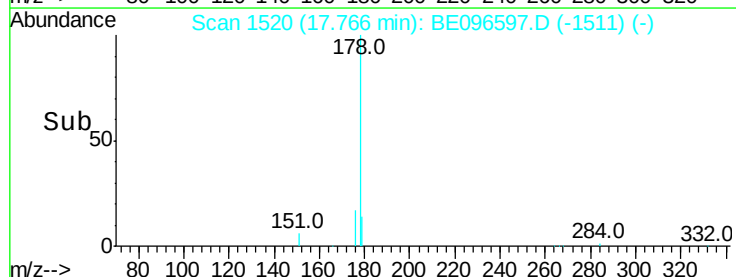
Abundance Ion 178.00 (177.70 to 178.70): E

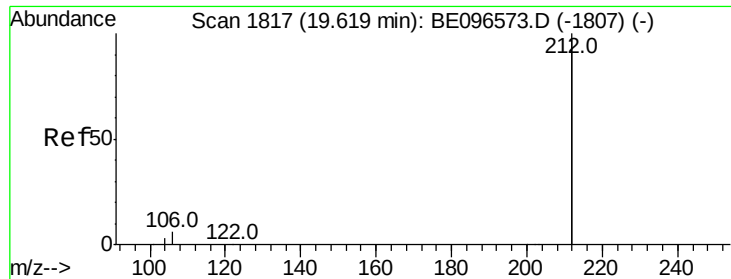
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 19.63 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

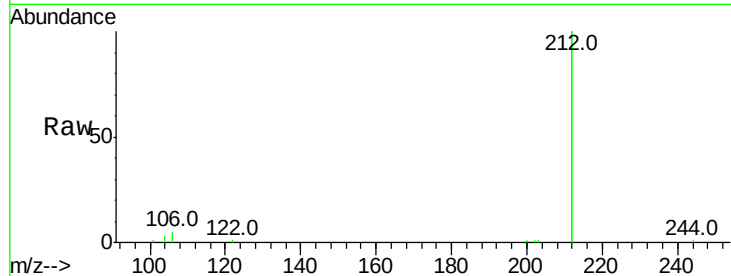
Tot Ion:212 Resp: 17232

Ion Ratio Lower Upper

212 100

106 2.6 2.8 4.2#

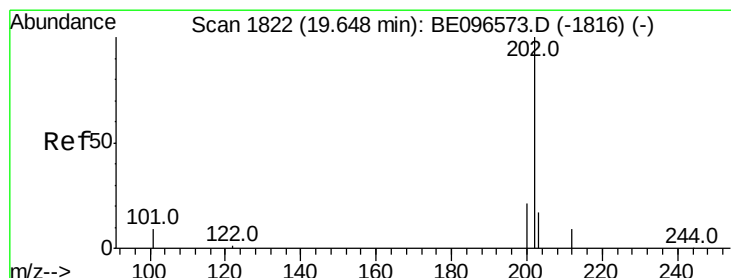
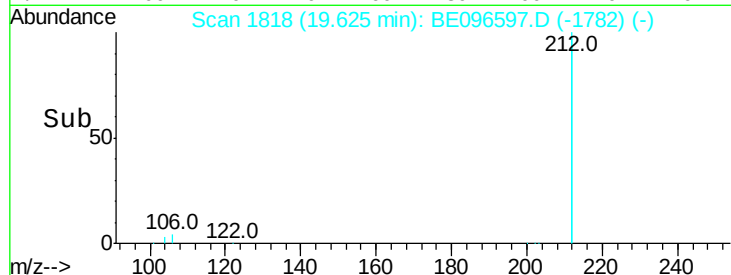
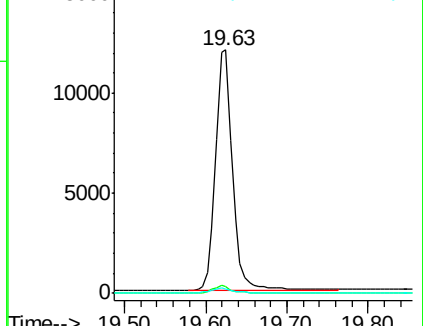
104 1.6 1.6 2.4#



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: 0.090 ng

RT: 19.65 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

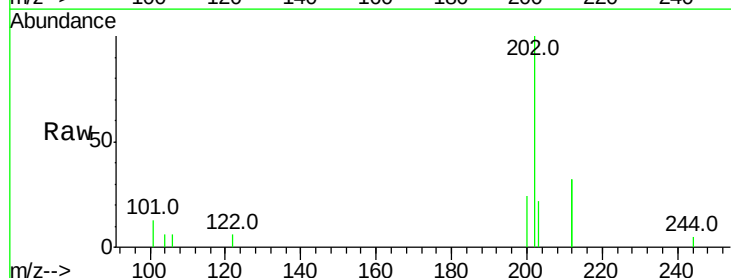
Tgt Ion:202 Resp: 1146

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

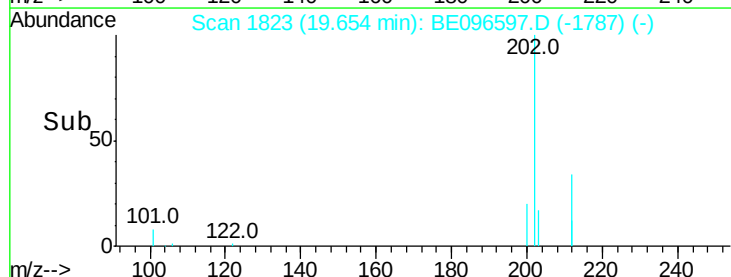
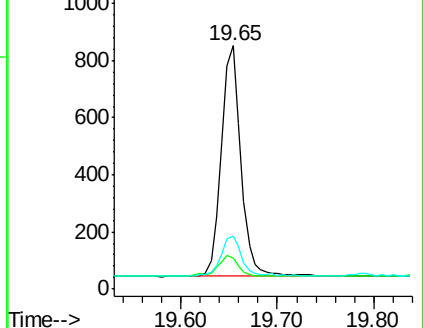
203 18.5 13.7 20.5

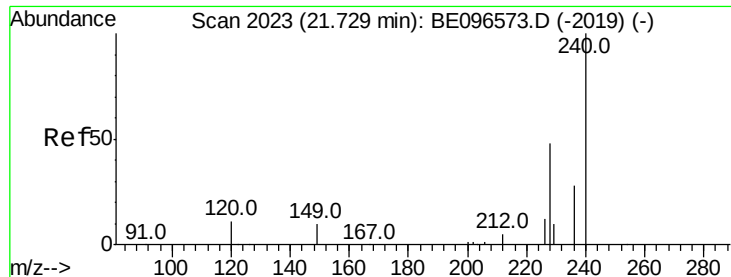


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.73 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

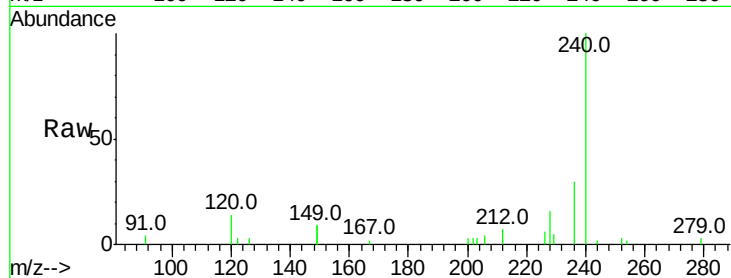
Tot Ion:240 Resp: 3640

Ion Ratio Lower Upper

240 100

120 13.8 5.5 8.3#

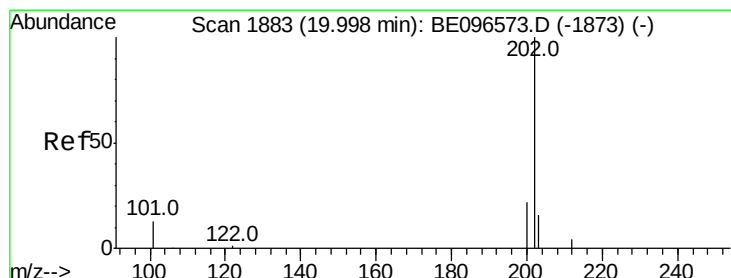
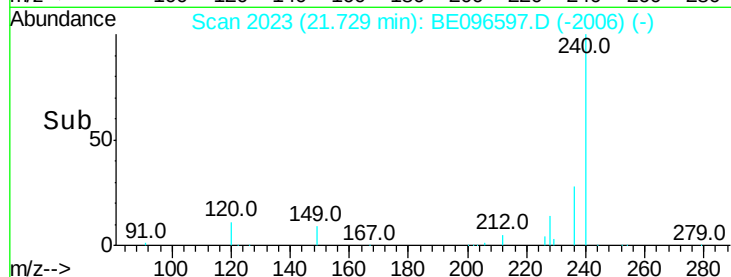
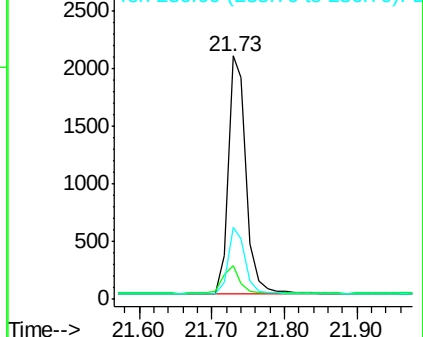
236 29.5 20.7 31.1



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: 0.069 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

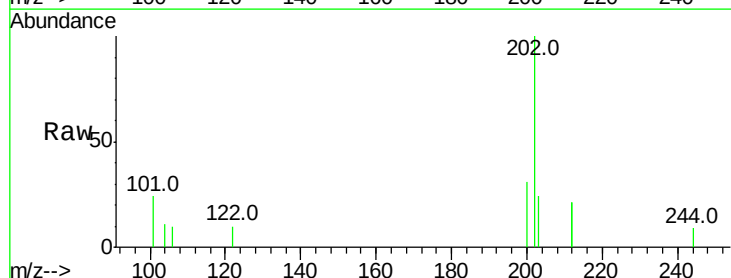
Tgt Ion:202 Resp: 452

Ion Ratio Lower Upper

202 100

200 27.9 16.6 25.0#

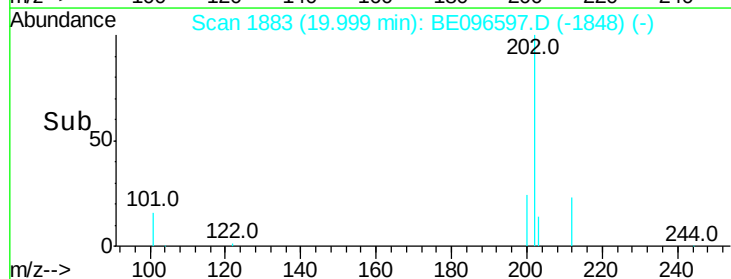
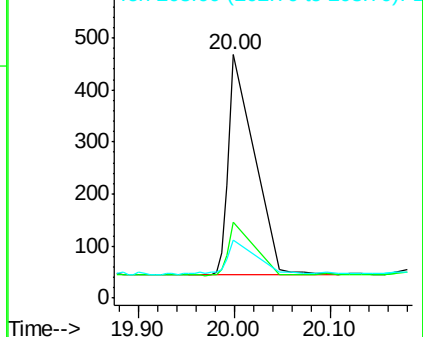
203 17.9 13.8 20.8

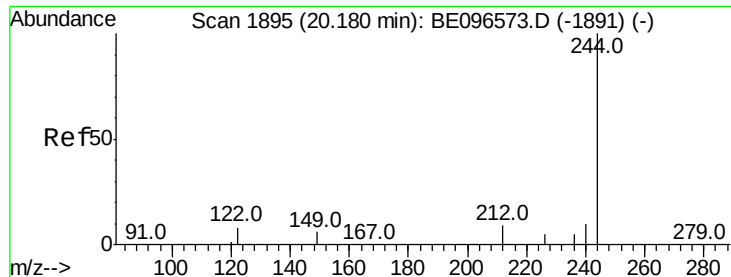


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.328 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampled :

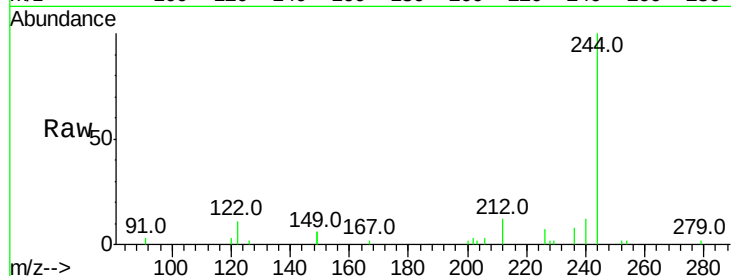
Tot Ion:244 Resp: 2702

Ion Ratio Lower Upper

244 100

212 12.3 25.4 38.0#

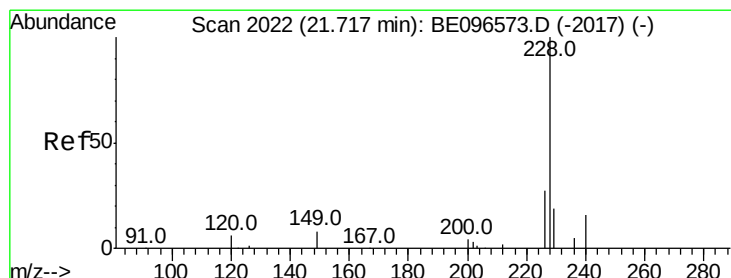
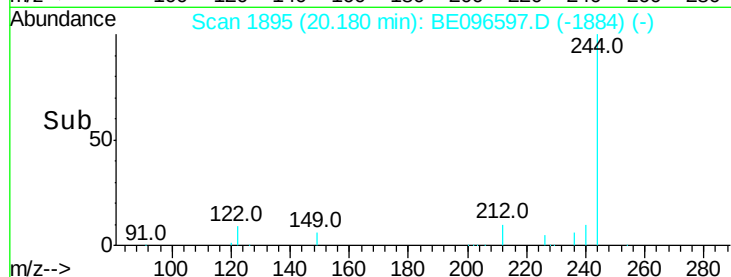
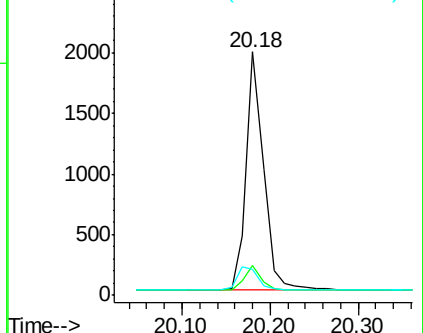
122 10.6 8.1 12.1



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: 0.086 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

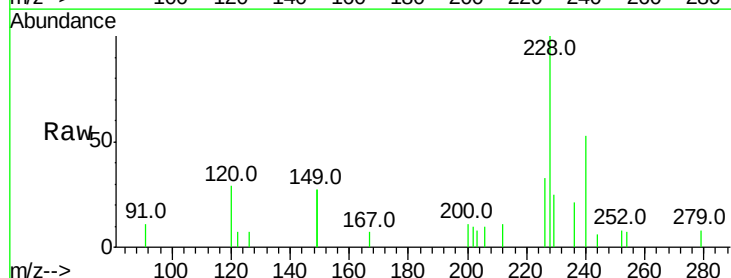
Tgt Ion:228 Resp: 967

Ion Ratio Lower Upper

228 100

226 32.5 24.0 36.0

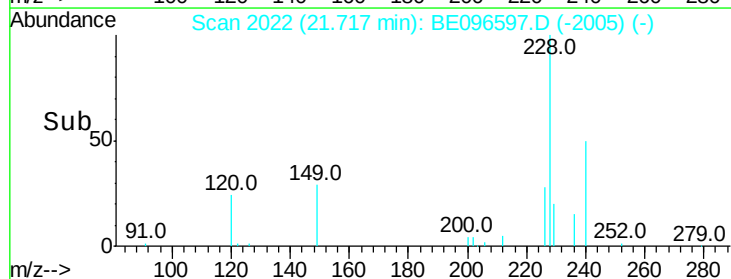
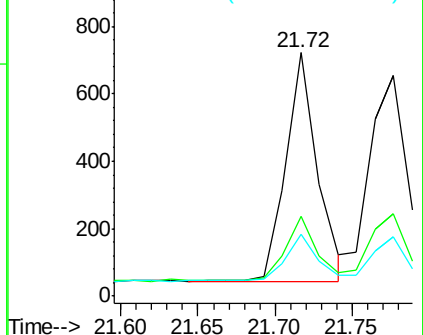
229 25.3 16.0 24.0#

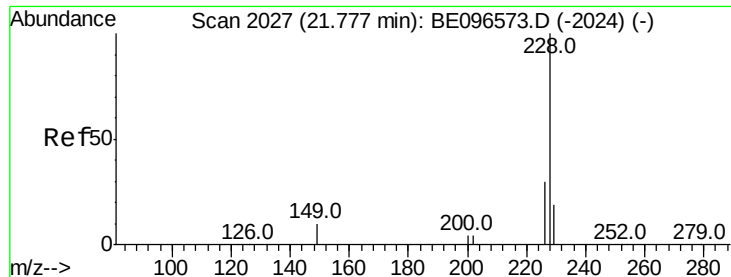


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.090 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

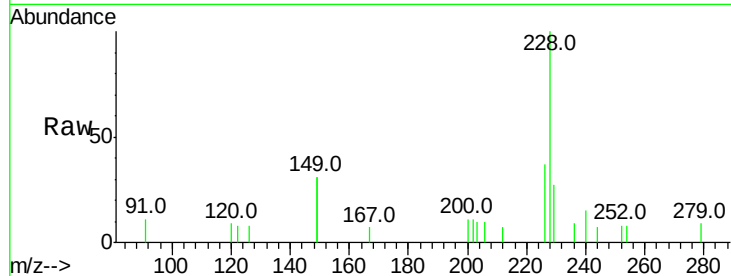
Tot Ion:228 Resp: 1043

Ion Ratio Lower Upper

228 100

226 37.5 24.0 36.0#

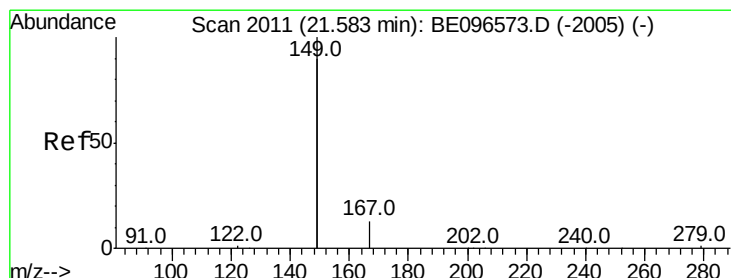
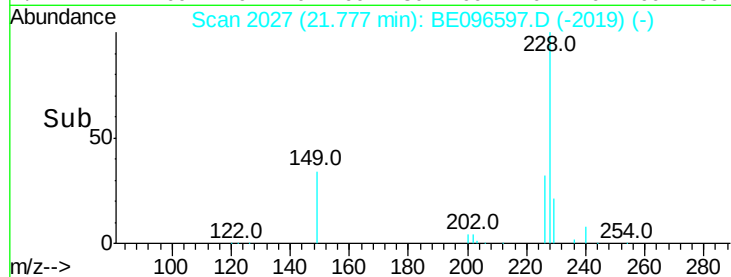
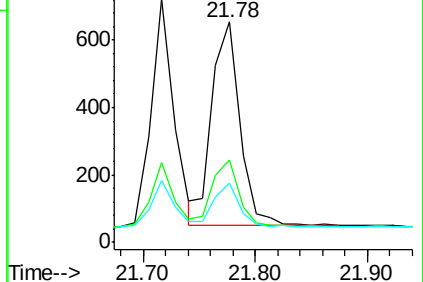
229 26.6 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.085 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

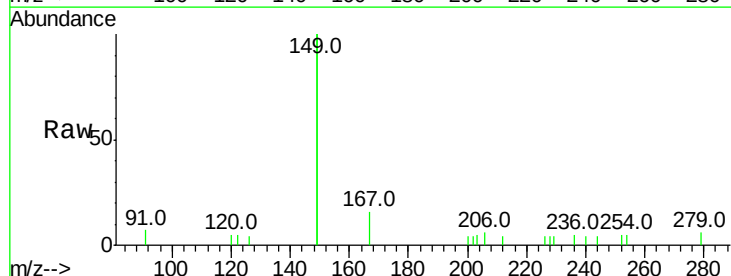
Tgt Ion:149 Resp: 2045

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

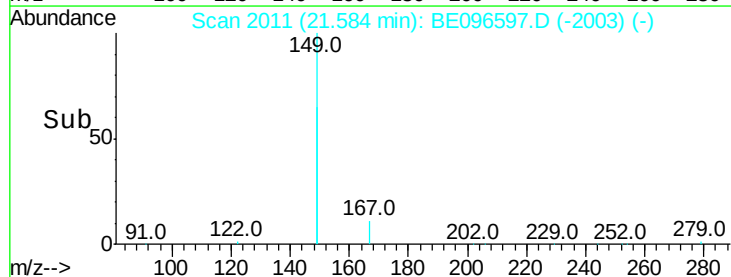
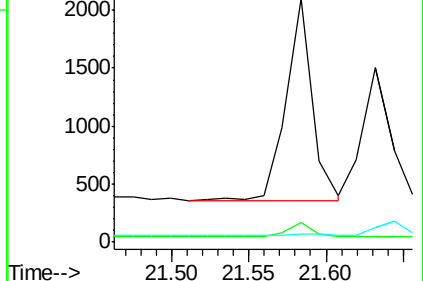
279 0.9 0.7 1.1

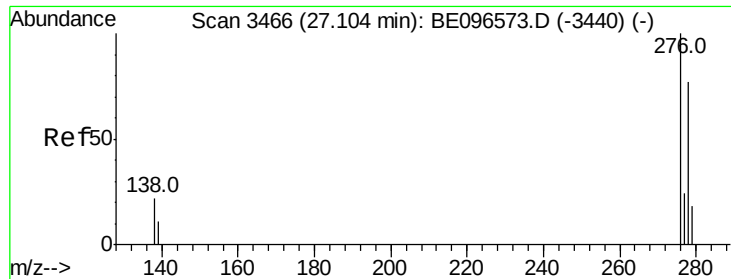


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.084 ng

RT: 27.11 min Scan# 3466

Delta R.T. 0.00 min

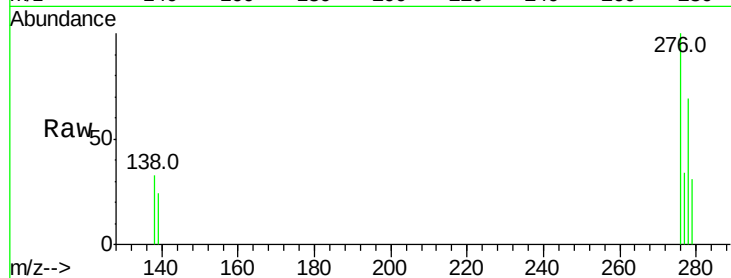
Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :



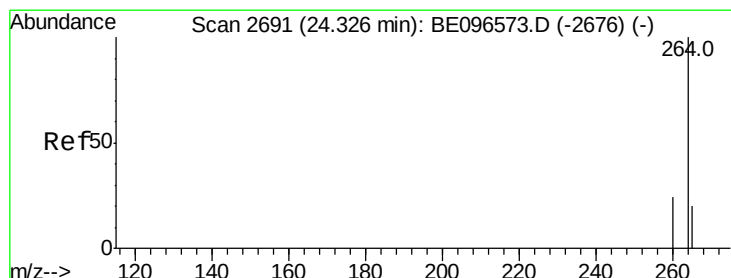
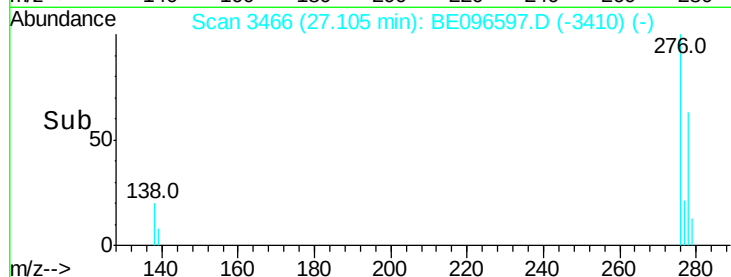
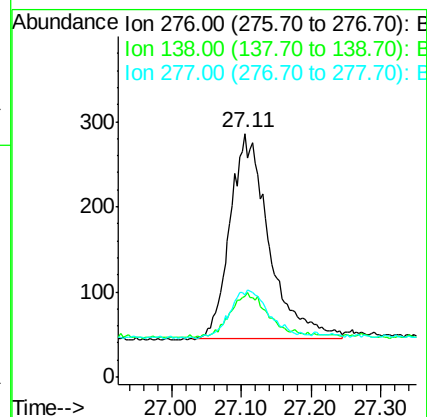
Tot Ion:276 Resp: 936

Ion Ratio Lower Upper

276 100

138 19.2 22.5 33.7#

277 23.7 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: BE096597.D

Acq: 16 May 2018 17:18

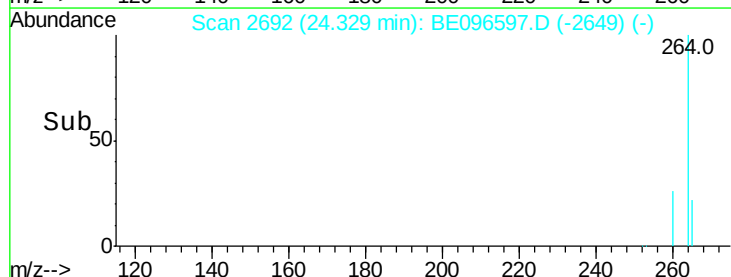
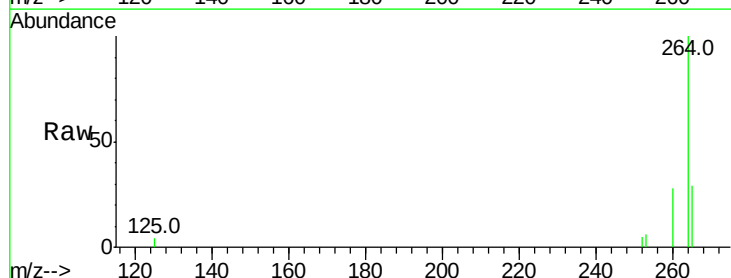
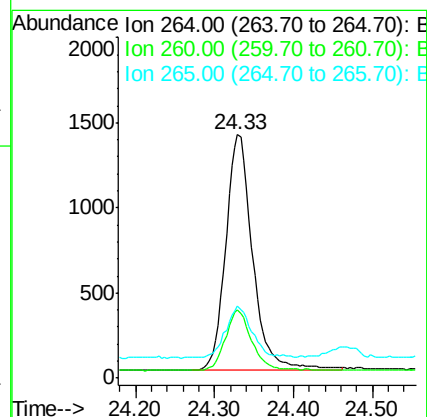
Tgt Ion:264 Resp: 3284

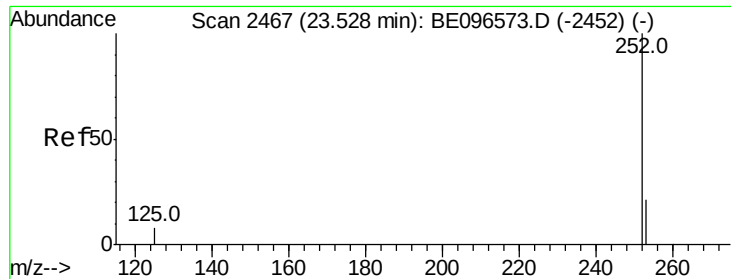
Ion Ratio Lower Upper

264 100

260 28.0 20.5 30.7

265 29.5 22.8 34.2

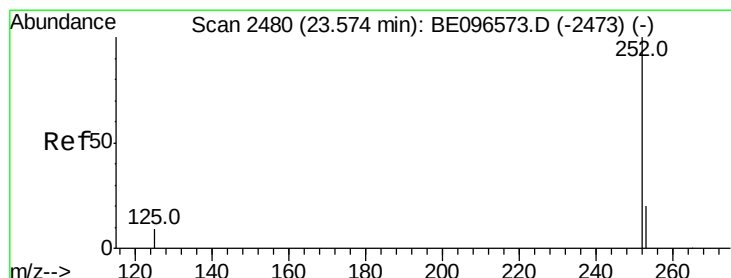
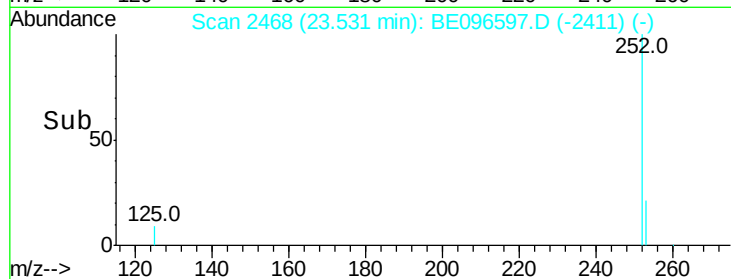
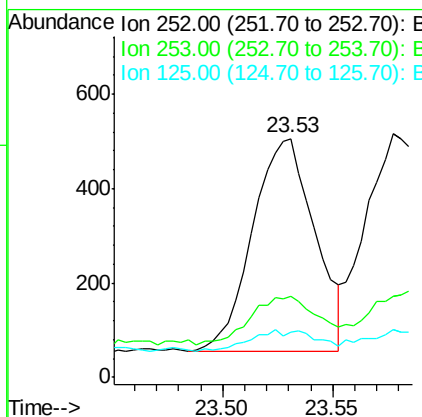
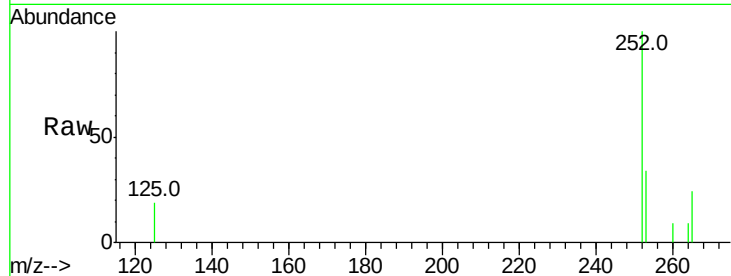




#35
Benzo(b)fluoranthene
Concen: 0.087 ng
RT: 23.53 min Scan# 2468
Delta R.T. 0.00 min
Lab File: BE096597.D
Acq: 16 May 2018 17:18

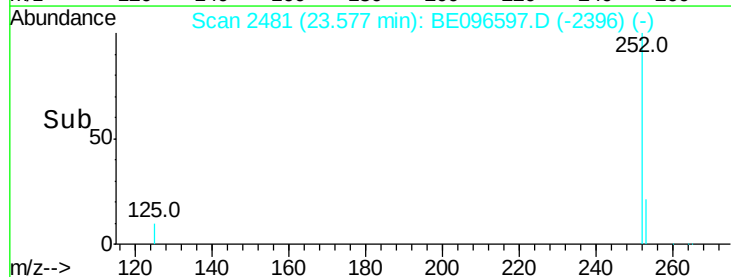
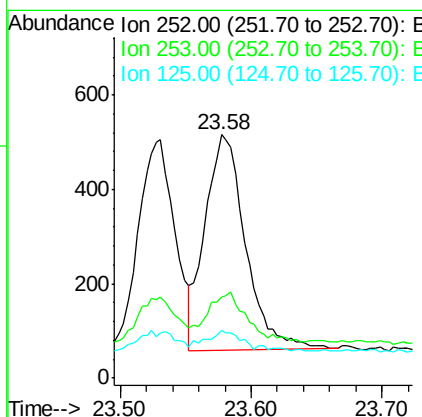
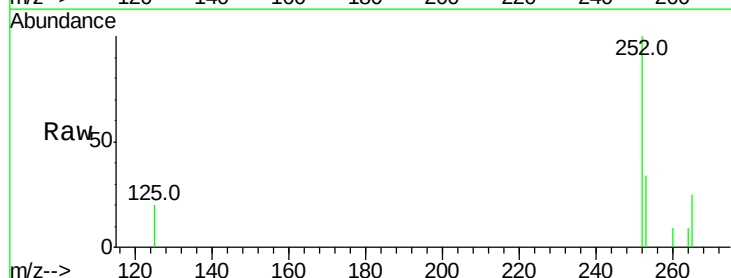
Instrument :
BNA_E
ClientSampleId :

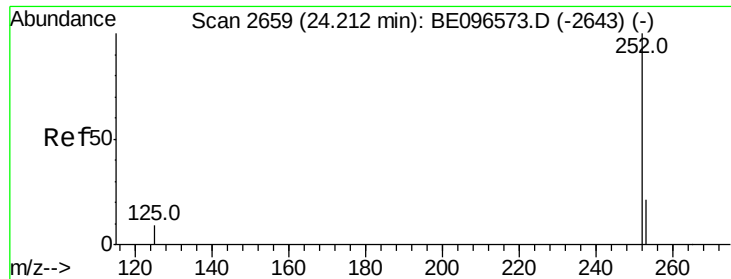
Tot Ion:252 Resp: 883
Ion Ratio Lower Upper
252 100
253 33.8 20.0 30.0#
125 19.0 16.0 24.0



#36
Benzo(k)fluoranthene
Concen: 0.091 ng
RT: 23.58 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BE096597.D
Acq: 16 May 2018 17:18

Tgt Ion:252 Resp: 975
Ion Ratio Lower Upper
252 100
253 33.5 16.0 24.0#
125 19.6 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.090 ng

RT: 24.22 min Scan# 2661

Delta R.T. 0.01 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

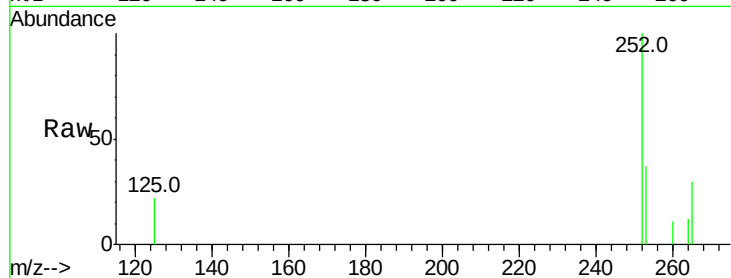
Tot Ion:252 Resp: 870

Ion Ratio Lower Upper

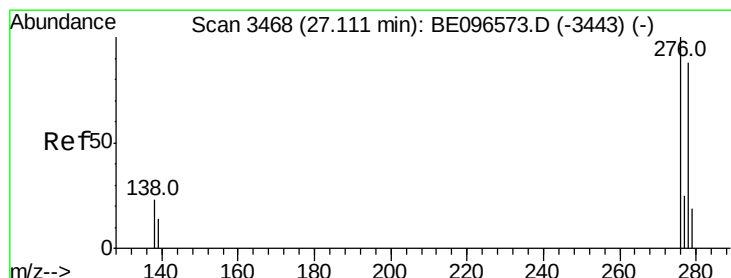
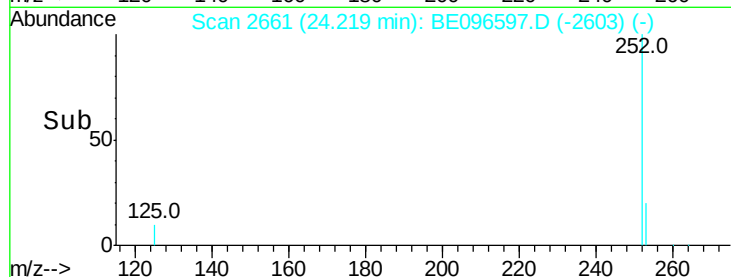
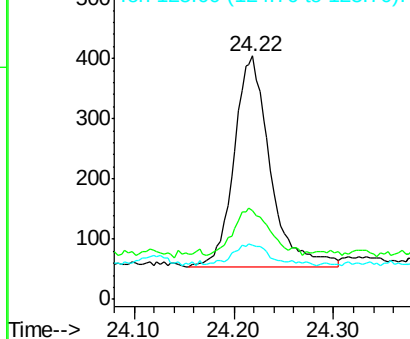
252 100

253 36.6 16.0 24.0#

125 22.3 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: 0.079 ng

RT: 27.12 min Scan# 3469

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

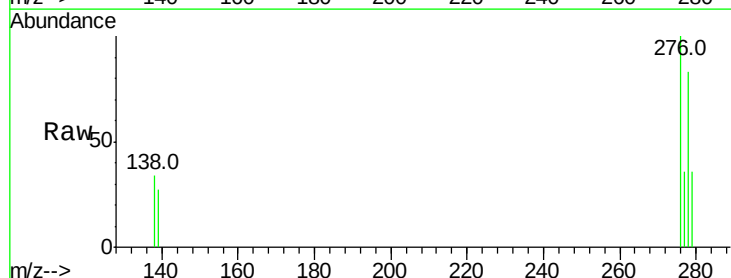
Tgt Ion:278 Resp: 697

Ion Ratio Lower Upper

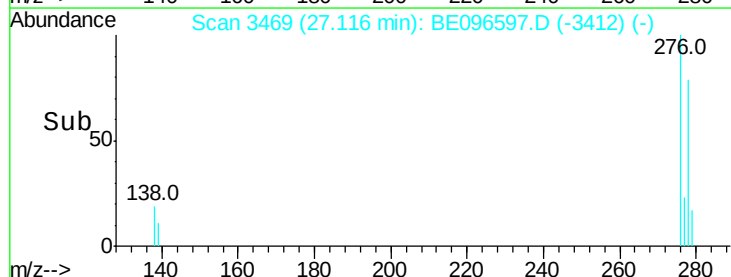
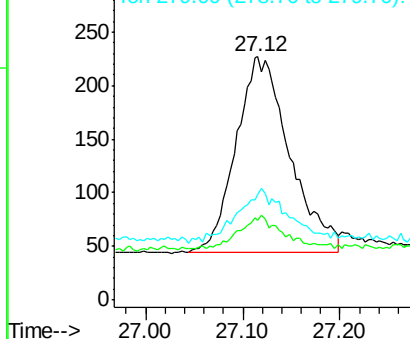
278 100

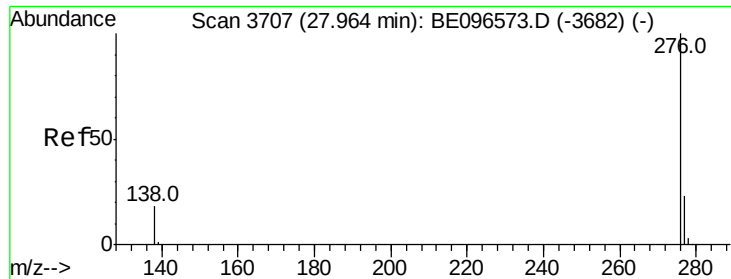
139 32.6 16.0 24.0#

279 43.2 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: 0.089 ng

RT: 27.97 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BE096597.D

Acq: 16 May 2018 17:18

Instrument :

BNA_E

ClientSampleId :

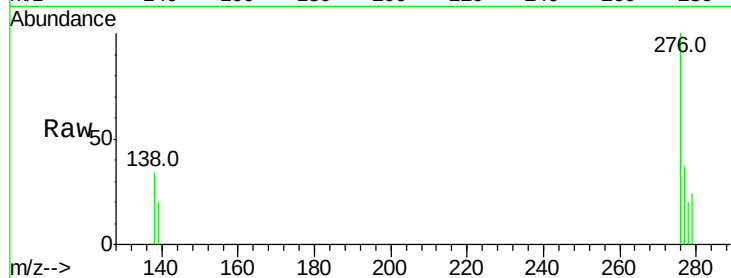
Tot Ion:276 Resp: 824

Ion Ratio Lower Upper

276 100

277 37.3 16.0 24.0#

138 34.0 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

