

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051718\
 Data File : BE096613.D
 Acq On : 17 May 2018 17:13
 Operator : SJ/JU
 Sample : J2923-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

Quant Time: May 18 05:15:33 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	615	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2589	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1540	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3516	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3248	0.40	ng	0.00
34) Perylene-d12	24.33	264	2966	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	554	0.33	ng	0.00
5) Phenol-d6	7.50	99	695	0.29	ng	0.00
8) Nitrobenzene-d5	9.53	82	946	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1527	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	143	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2393	0.36	ng	0.00
25) Fluoranthene-d10	19.62	212	15759	0.37	ng	0.00
29) Terphenyl-d14	20.18	244	2435	0.33	ng	0.00

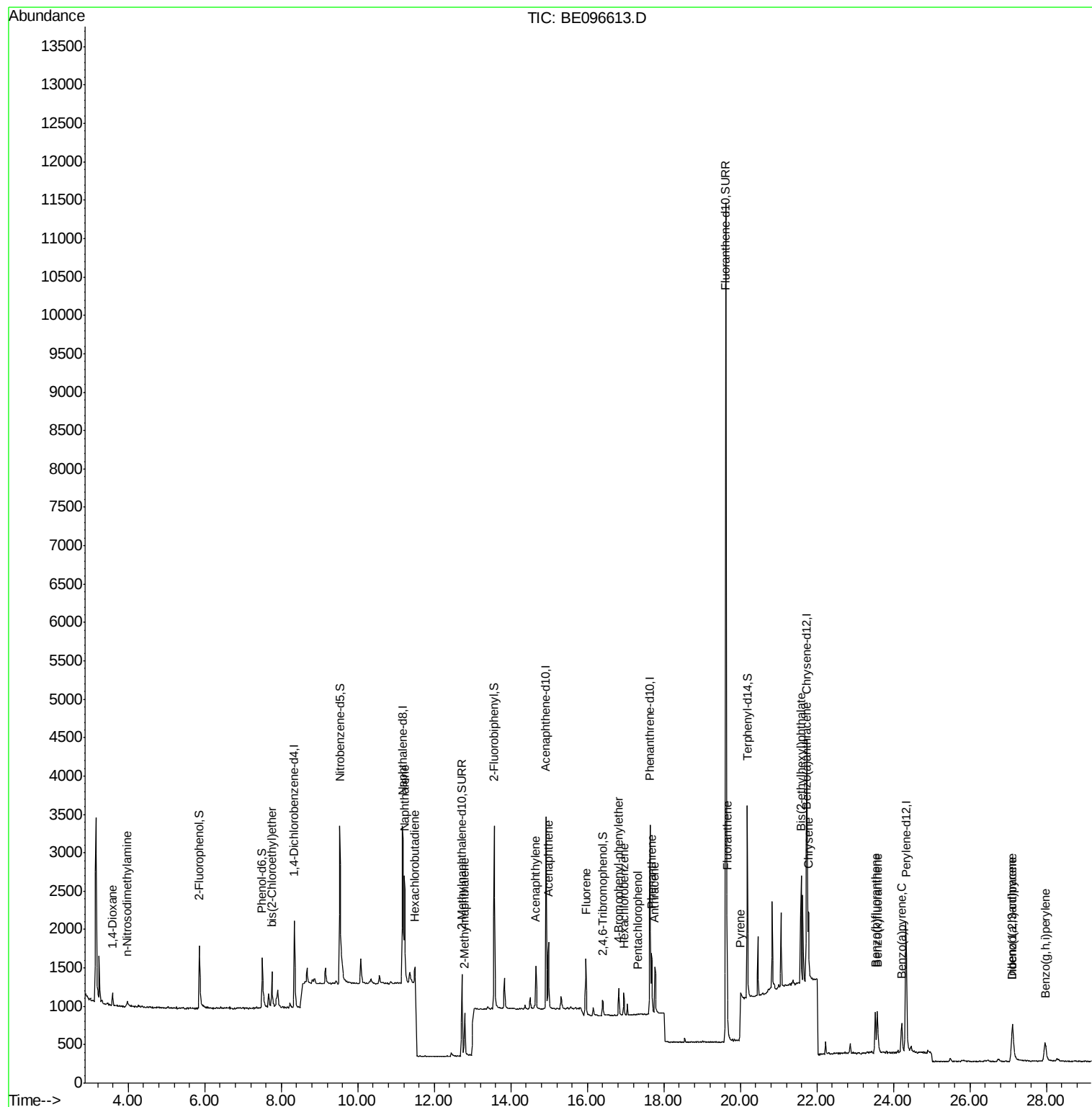
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.59	88	86	0.093	ng	93
3) n-Nitrosodimethylamine	3.98	42	69	0.060	ng	# 66
6) bis(2-Chloroethyl)ether	7.75	93	217	0.097	ng	84
9) Naphthalene	11.22	128	2569	0.094	ng	# 93
10) Hexachlorobutadiene	11.49	225	162	0.106	ng	90
12) 2-Methylnaphthalene	12.80	142	422	0.090	ng	# 91
16) Acenaphthylene	14.66	152	694	0.086	ng	99
17) Acenaphthene	14.99	154	453	0.092	ng	94
18) Fluorene	15.96	166	545	0.089	ng	# 59
20) 4-Bromophenyl-phenylether	16.82	248	192	0.090	ng	# 61
21) Hexachlorobenzene	16.95	284	215	0.097	ng	# 82
22) Pentachlorophenol	17.32	266	18	0.207	ng	99
23) Phenanthrene	17.67	178	906	0.092	ng	98
24) Anthracene	17.77	178	771	0.084	ng	# 94
26) Fluoranthene	19.65	202	1056	0.089	ng	# 96
28) Pyrene	20.00	202	410	0.070	ng	93
30) Benzo(a)anthracene	21.72	228	889	0.089	ng	# 93
31) Chrysene	21.78	228	941	0.091	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.58	149	1700	0.080	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.11	276	771	0.077	ng	# 67
35) Benzo(b)fluoranthene	23.53	252	810	0.089	ng	# 89
36) Benzo(k)fluoranthene	23.58	252	871	0.090	ng	# 68
37) Benzo(a)pyrene	24.21	252	749	0.086	ng	# 63
38) Dibenzo(a,h)anthracene	27.12	278	617	0.077	ng	# 66
39) Benzo(g,h,i)perylene	27.96	276	711	0.085	ng	# 67

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

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QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.34 min Scan# 560

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

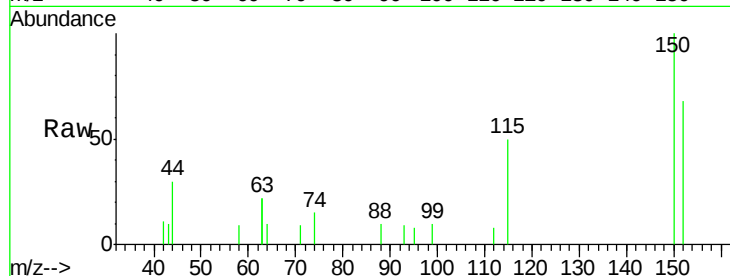
Tgt Ion: 152 Resp: 615

Ion Ratio Lower Upper

152 100

150 147.5 117.2 175.8

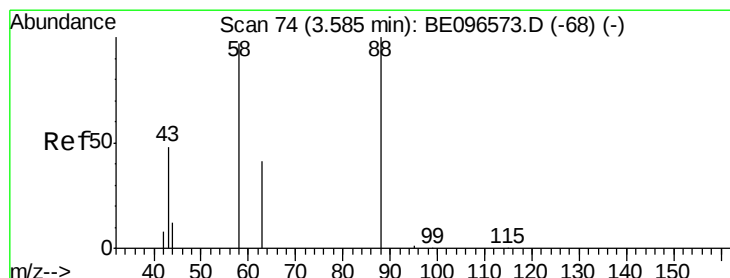
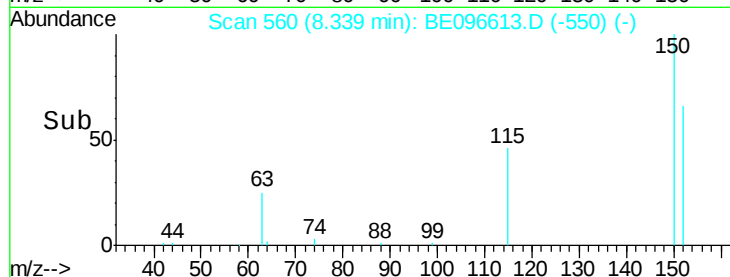
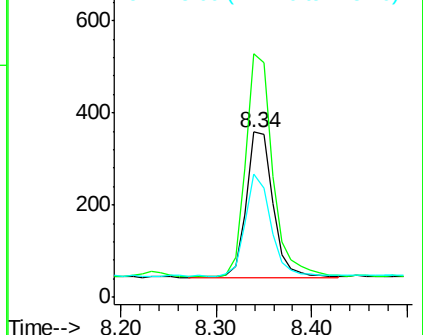
115 74.3 57.0 85.6



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: 0.093 ng

RT: 3.59 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

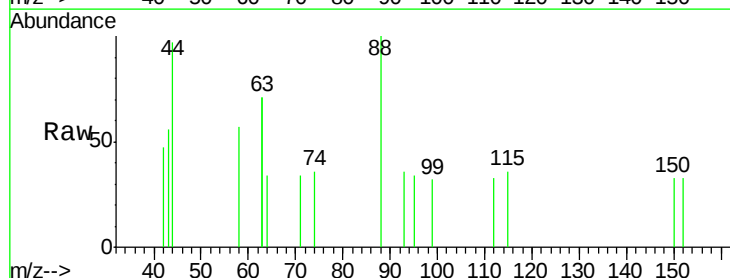
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

58 88.4 63.2 94.8

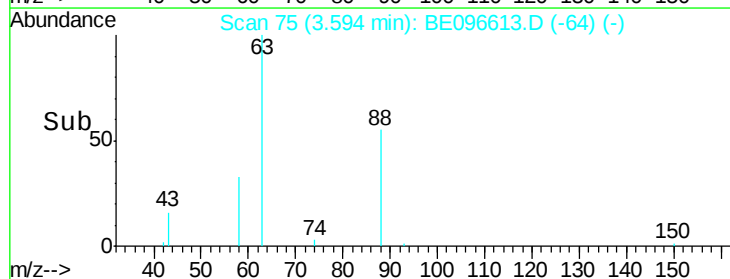
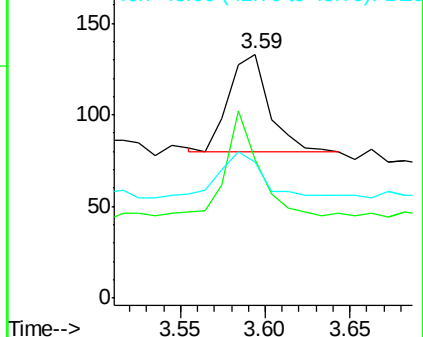
43 50.0 41.2 61.8

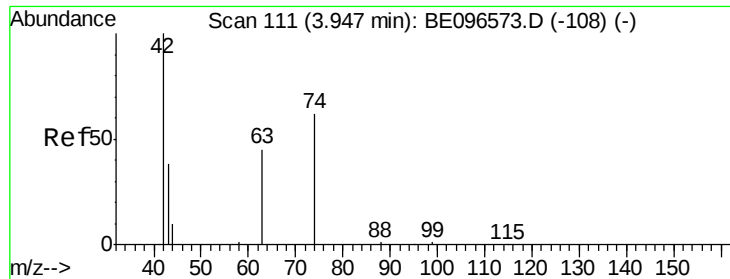


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



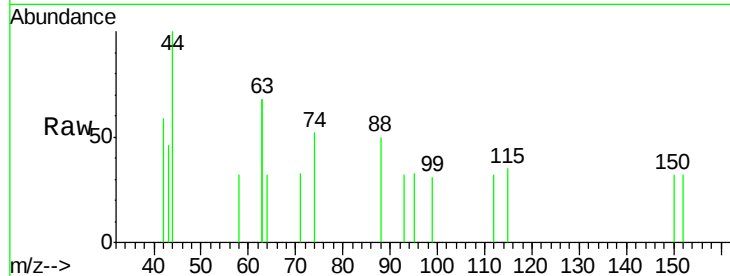


#3

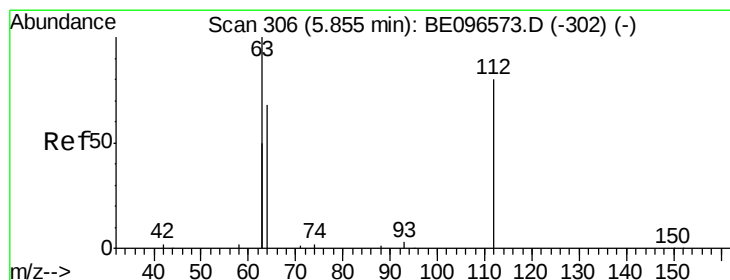
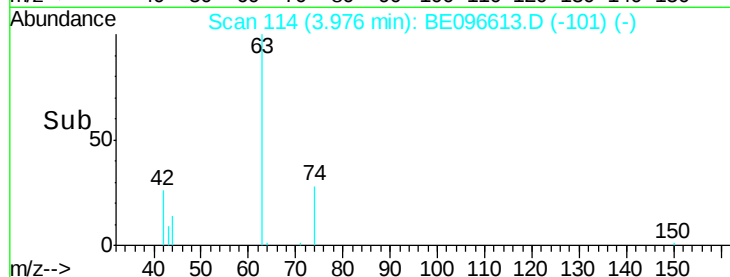
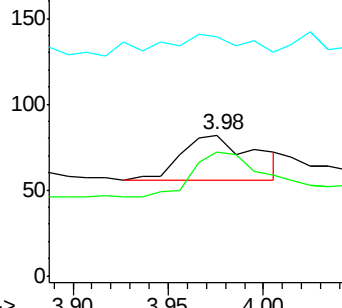
n-Nitrosodimethylamine
 Concen: 0.060 ng
 RT: 3.98 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: BE096613.D
 Acq: 17 May 2018 17:13

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

Tgt Ion: 42 Resp: 69
 Ion Ratio Lower Upper
 42 100
 74 91.3 96.0 144.0#
 44 56.5 12.0 18.0#



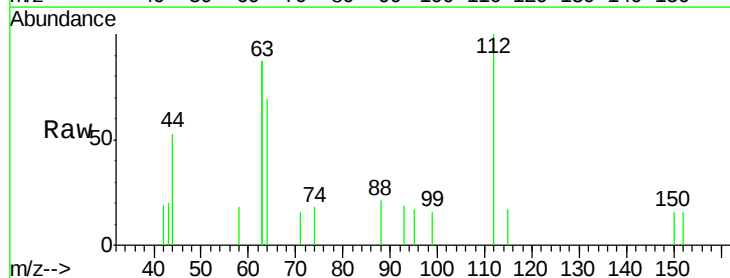
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



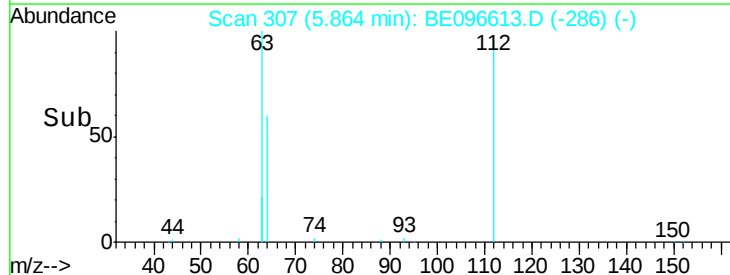
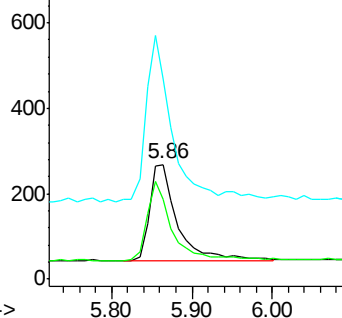
#4

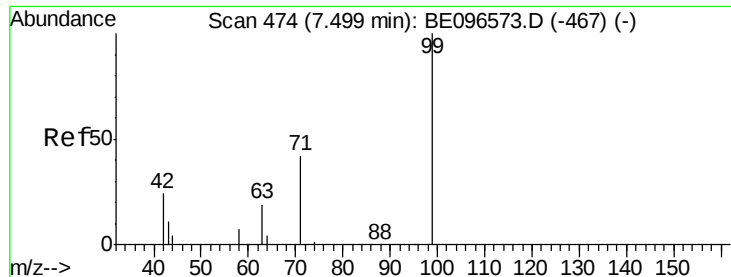
2-Fluorophenol
 Concen: 0.327 ng
 RT: 5.86 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: BE096613.D
 Acq: 17 May 2018 17:13

Tgt Ion: 112 Resp: 554
 Ion Ratio Lower Upper
 112 100
 64 73.5 60.1 90.1
 63 153.1 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.290 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

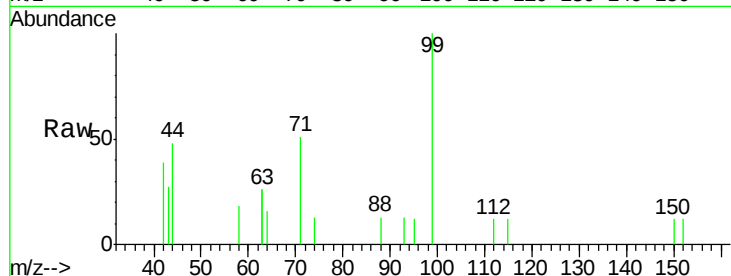
Tgt Ion: 99 Resp: 695

Ion Ratio Lower Upper

99 100

42 27.8 20.2 30.2

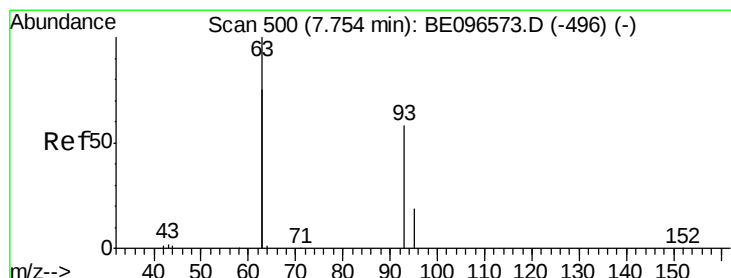
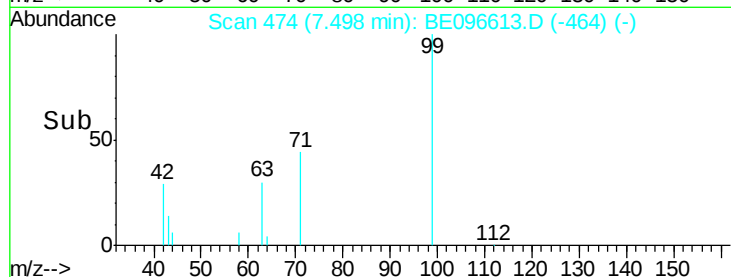
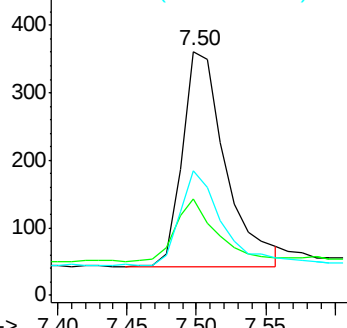
71 42.4 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.097 ng

RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

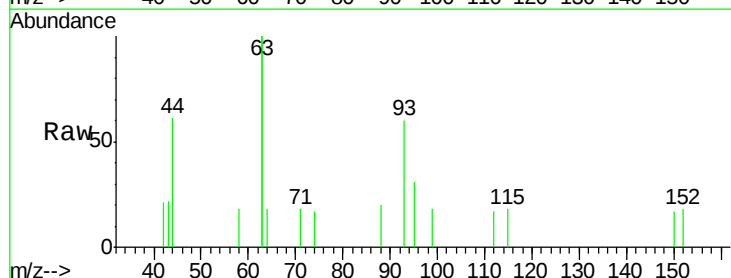
Tgt Ion: 93 Resp: 217

Ion Ratio Lower Upper

93 100

63 308.3 275.3 412.9

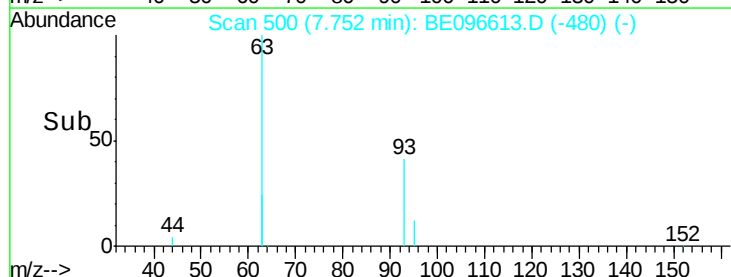
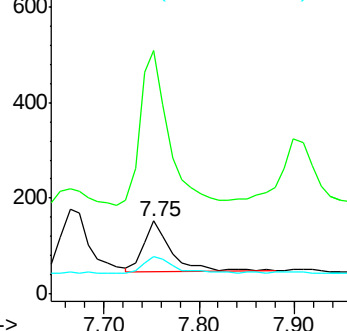
95 33.6 25.2 37.8

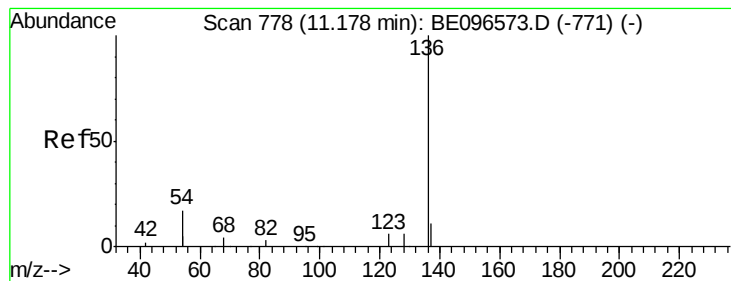


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

Tgt Ion:136 Resp: 2589

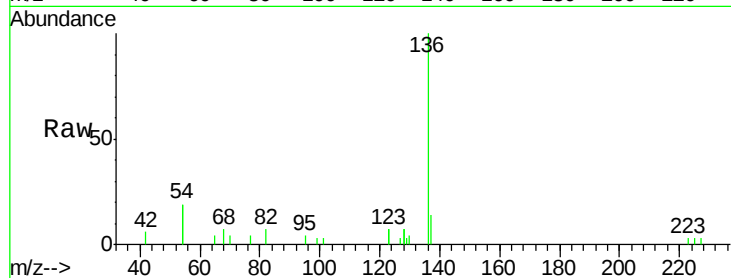
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 37.4 29.1 43.7

68 7.3 6.2 9.2

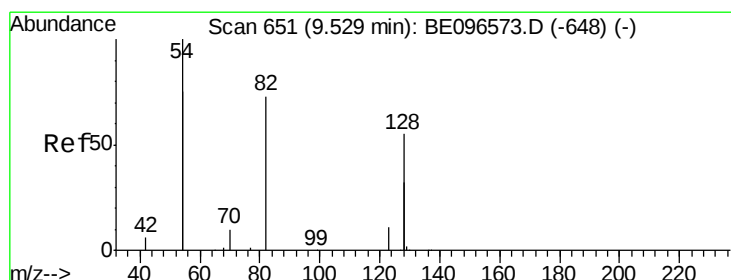
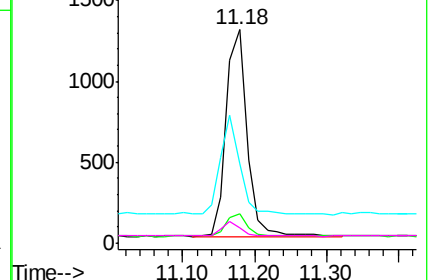
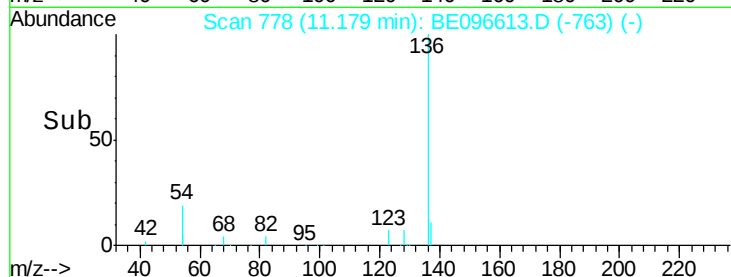


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.343 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

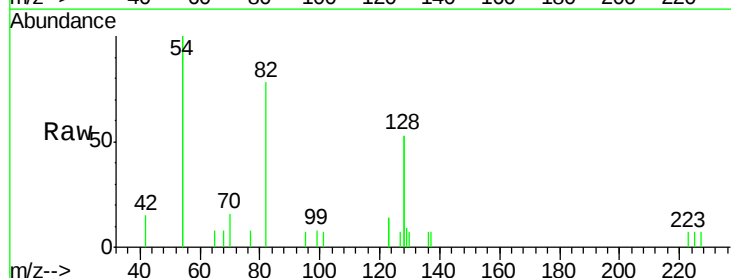
Tgt Ion: 82 Resp: 946

Ion Ratio Lower Upper

82 100

128 137.1 150.0 225.0#

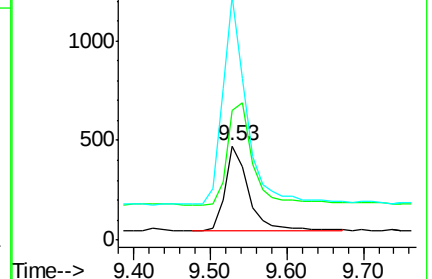
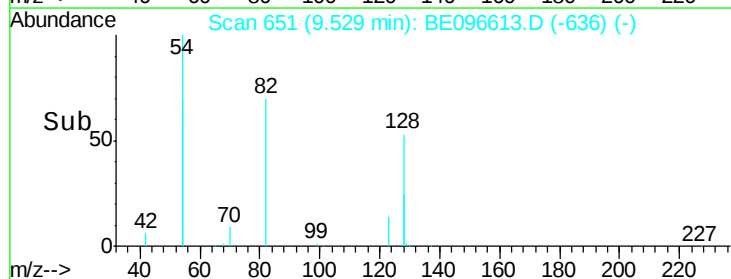
54 257.8 154.2 231.4#

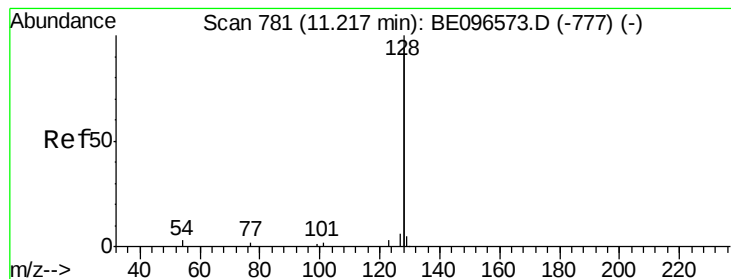


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.094 ng

RT: 11.22 min Scan# 781

Delta R.T. 0.00 min

Lab File: BE096613.D

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ClientSampleId :

LOQ-NPW-Precision-Bias-4

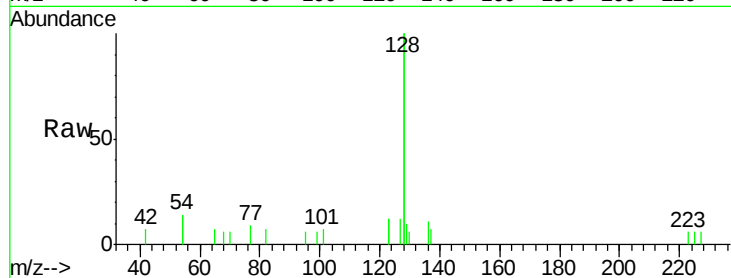
Tgt Ion:128 Resp: 2569

Ion Ratio Lower Upper

128 100

129 5.2 2.6 3.8#

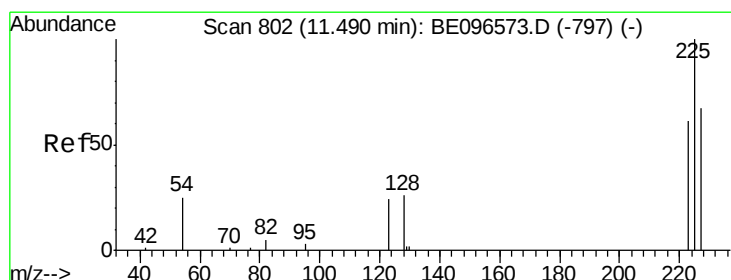
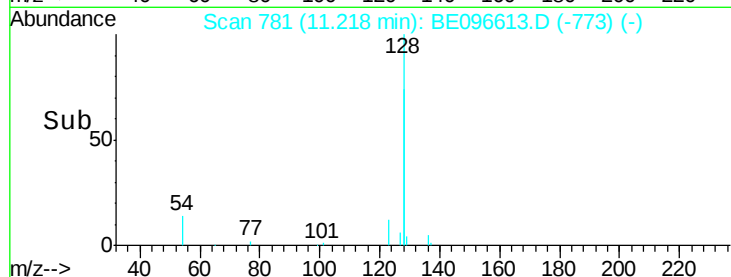
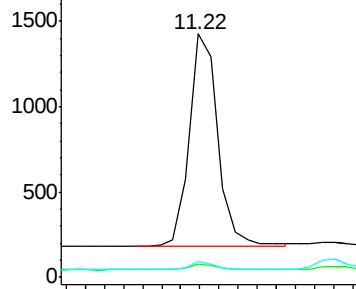
127 6.2 2.8 4.2#



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: 0.106 ng

RT: 11.49 min Scan# 802

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

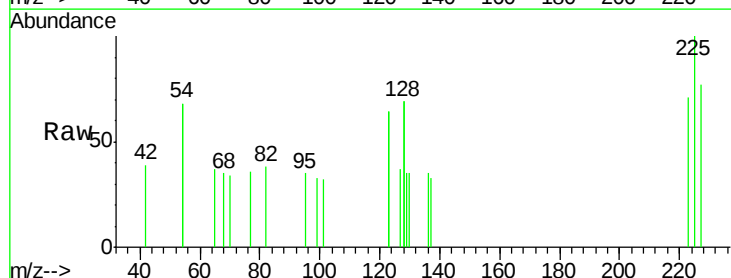
Tgt Ion:225 Resp: 162

Ion Ratio Lower Upper

225 100

223 55.6 53.0 79.6

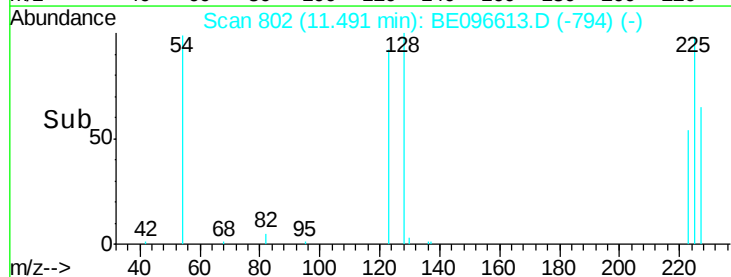
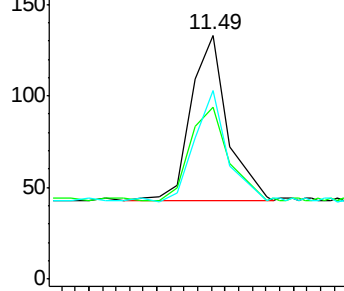
227 59.9 51.4 77.2

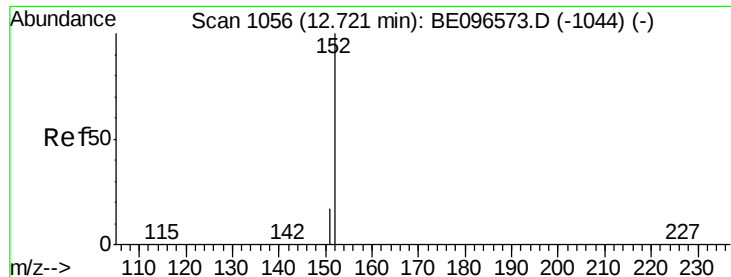


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

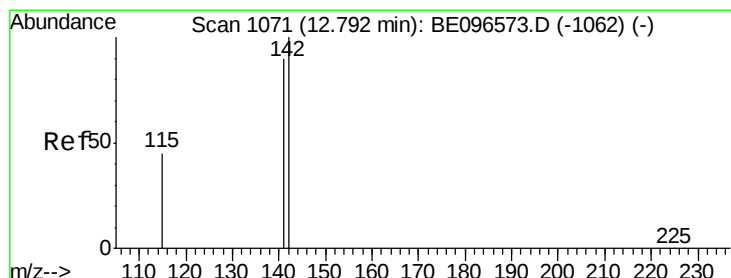
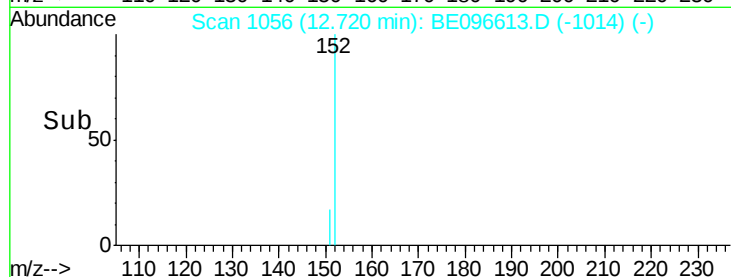
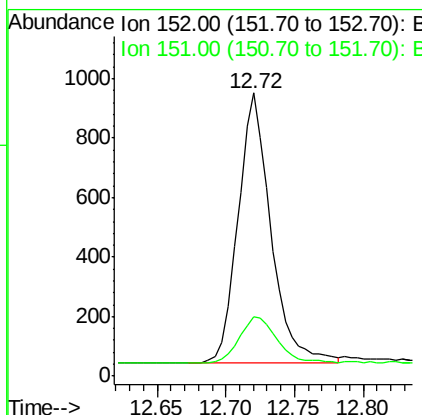
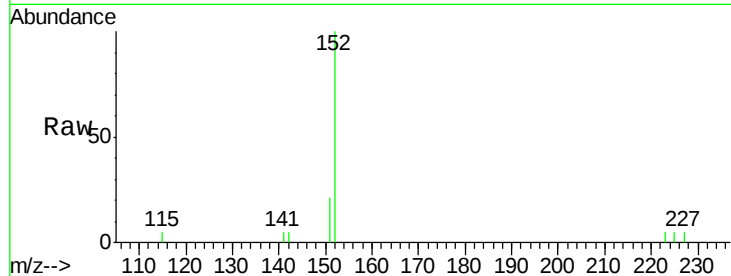




#11
 2-Methylnaphthalene-d10
 Concen: 0.361 ng
 RT: 12.72 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: BE096613.D
 Acq: 17 May 2018 17:13

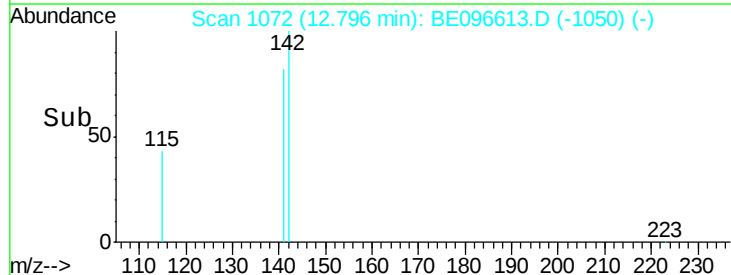
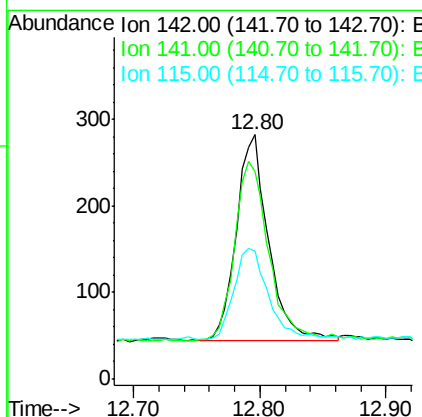
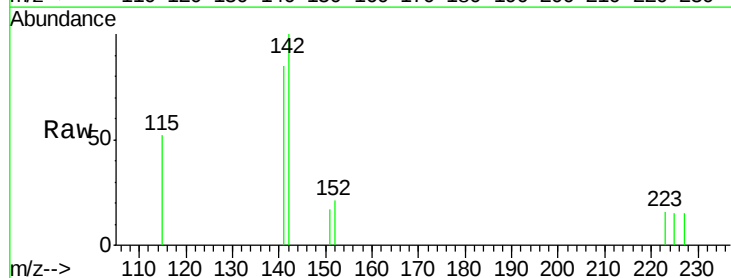
Instrument :
 BNA_E
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 LOQ-NPW-Precision-Bias-4

Tgt Ion:152 Resp: 1527
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.090 ng
 RT: 12.80 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BE096613.D
 Acq: 17 May 2018 17:13

Tgt Ion:142 Resp: 422
 Ion Ratio Lower Upper
 142 100
 141 84.8 70.4 105.6
 115 52.5 31.7 47.5#

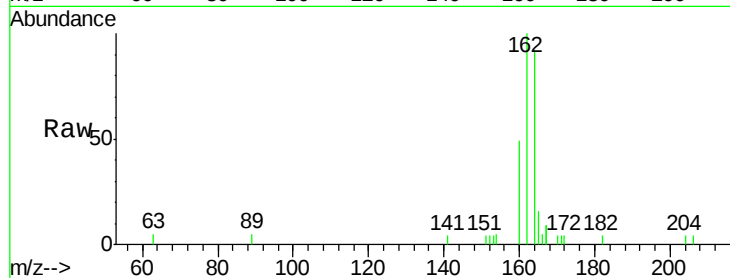




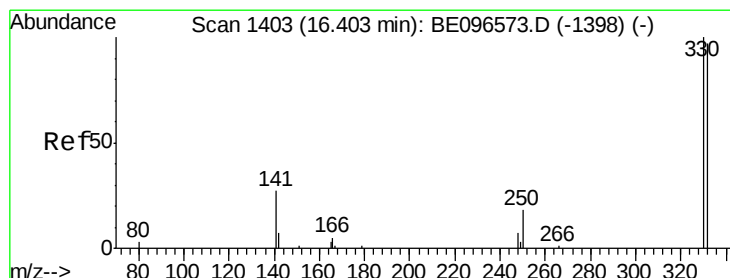
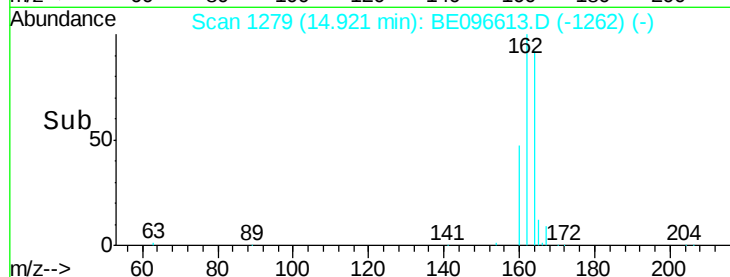
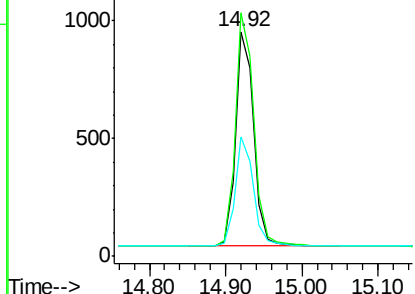
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096613.D
Acq: 17 May 2018 17:13

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-4

Tgt Ion:164 Resp: 1540
Ion Ratio Lower Upper
164 100
162 108.3 83.1 124.7
160 53.3 37.1 55.7

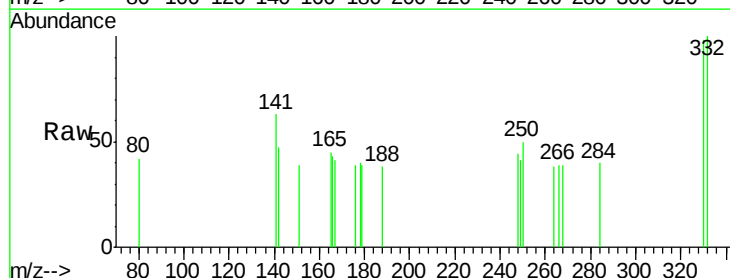


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

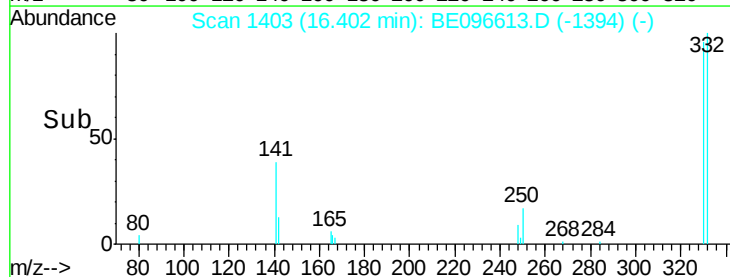
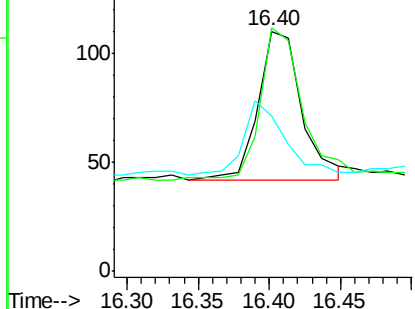


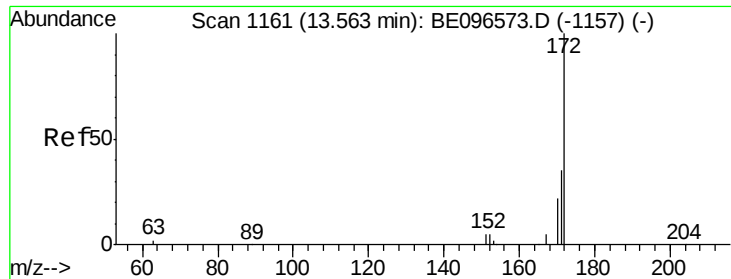
#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 16.40 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BE096613.D
Acq: 17 May 2018 17:13

Tgt Ion:330 Resp: 143
Ion Ratio Lower Upper
330 100
332 100.0 152.7 229.1#
141 48.3 33.7 50.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

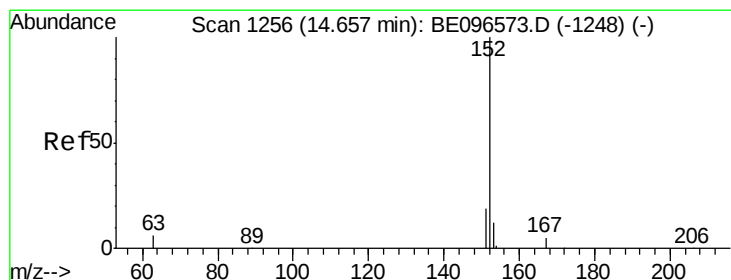
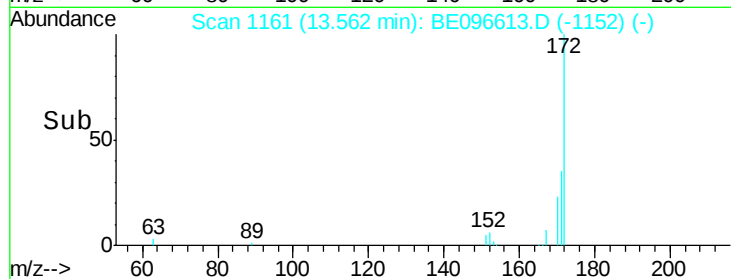
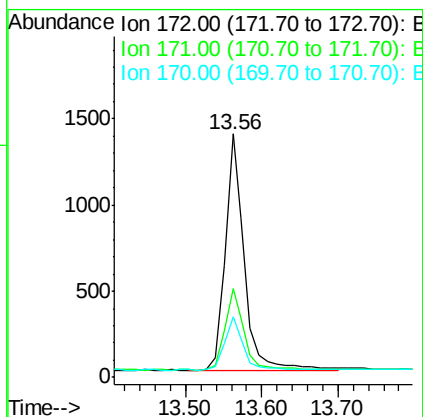
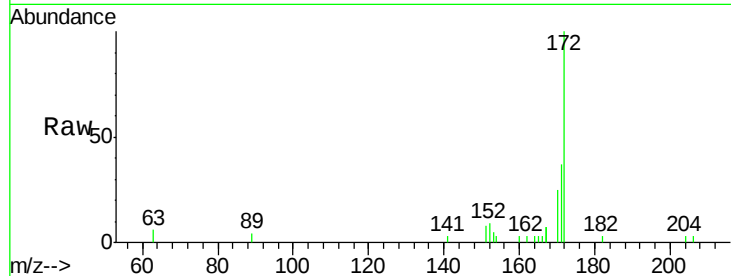




#15
 2-Fluorobiphenyl
 Concen: 0.362 ng
 RT: 13.56 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BE096613.D
 Acq: 17 May 2018 17:13

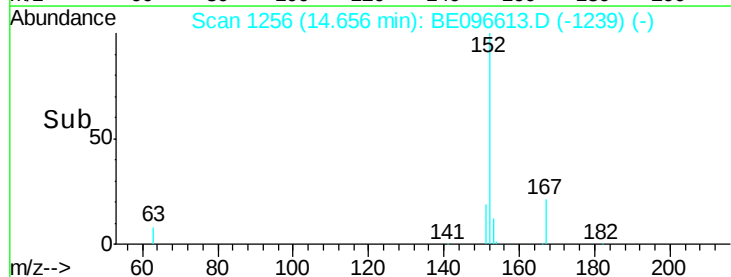
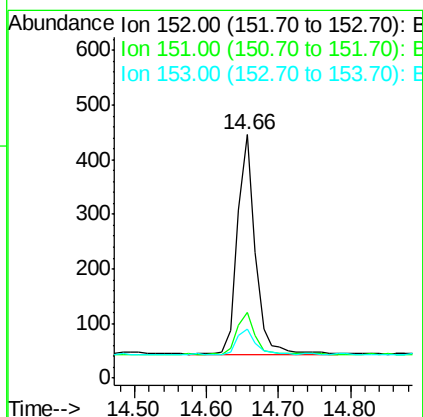
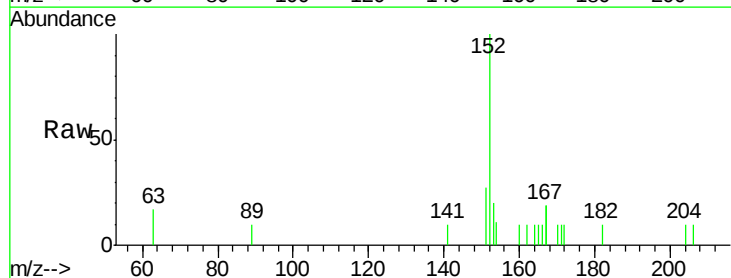
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-NPW-Precision-Bias-4

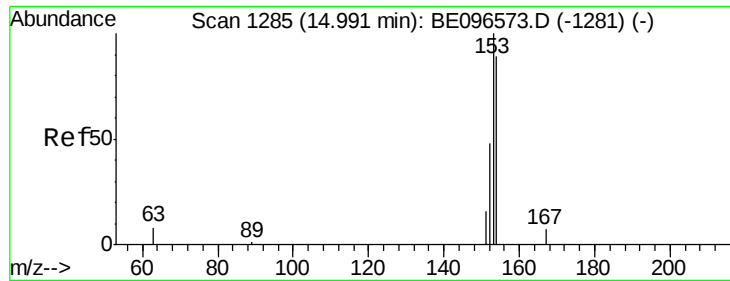
Tgt Ion:172 Resp: 2393
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 25.1 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.086 ng
 RT: 14.66 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: BE096613.D
 Acq: 17 May 2018 17:13

Tgt Ion:152 Resp: 694
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.7 23.5
 153 12.2 10.5 15.7





#17

Acenaphthene

Concen: 0.092 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

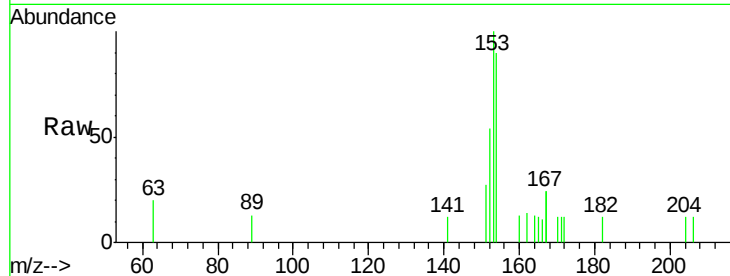
Tgt Ion:154 Resp: 453

Ion Ratio Lower Upper

154 100

153 117.0 89.2 133.8

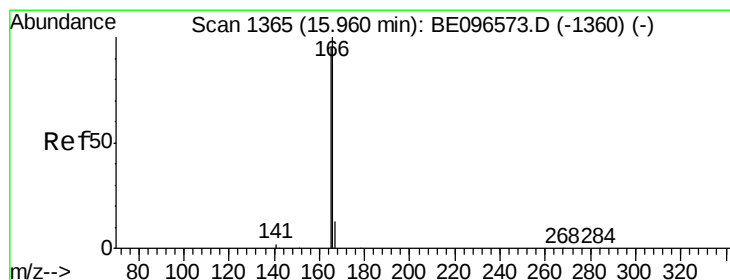
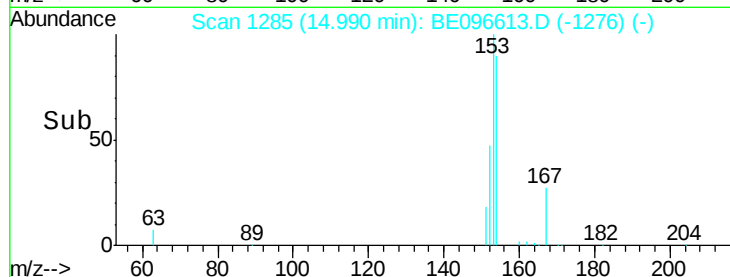
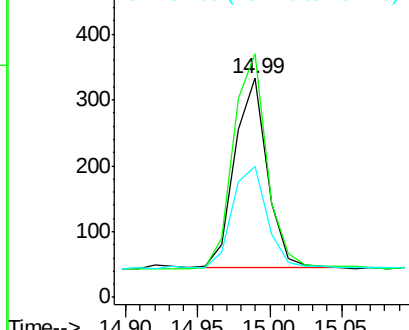
152 58.9 42.0 63.0



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: 0.089 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

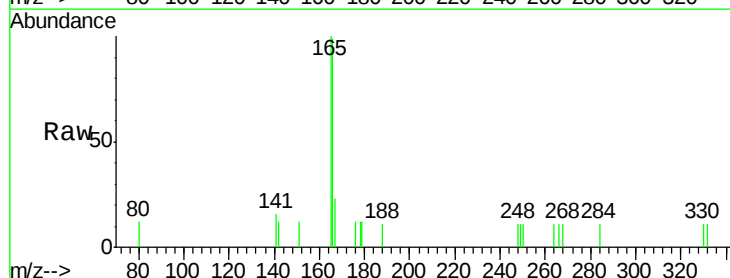
Tgt Ion:166 Resp: 545

Ion Ratio Lower Upper

166 100

165 129.2 77.8 116.6#

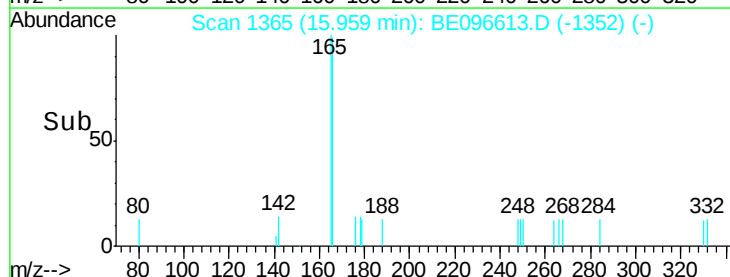
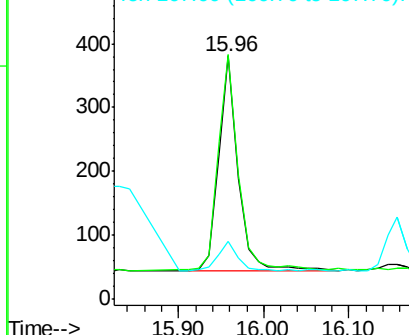
167 13.2 42.4 63.6#

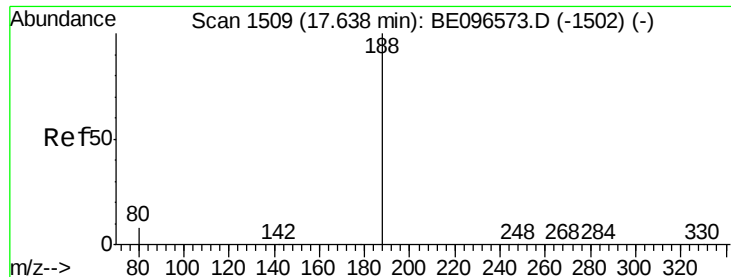


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

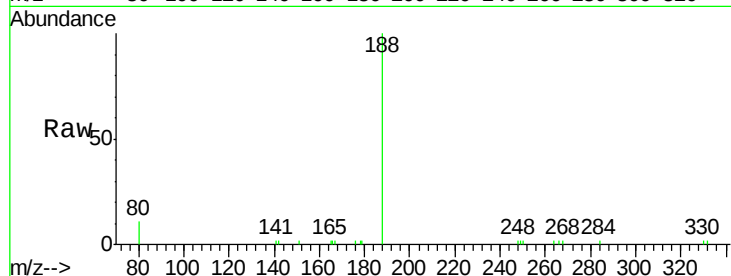
Tgt Ion:188 Resp: 3516

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

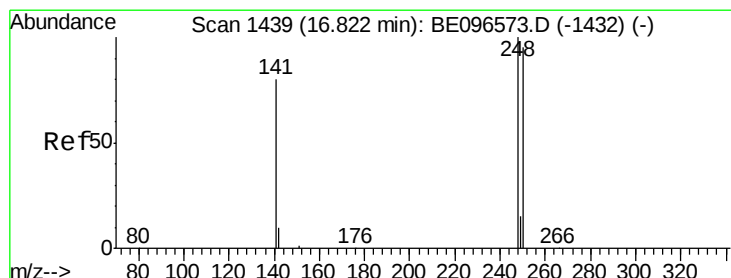
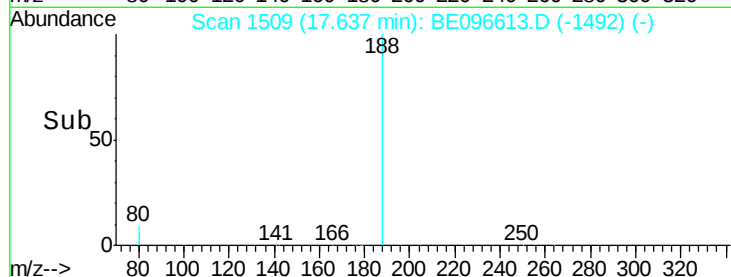
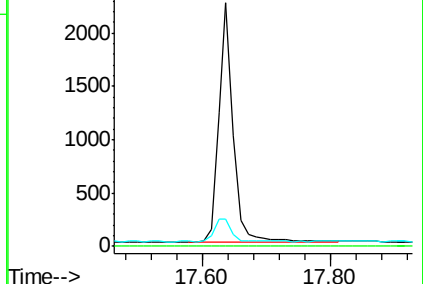
80 11.2 3.6 5.4#



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: 0.090 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

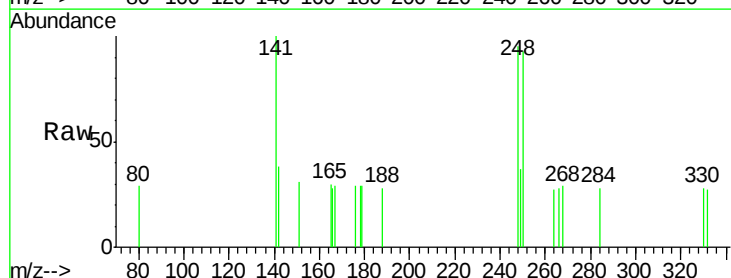
Tgt Ion:248 Resp: 192

Ion Ratio Lower Upper

248 100

250 98.0 62.7 94.1#

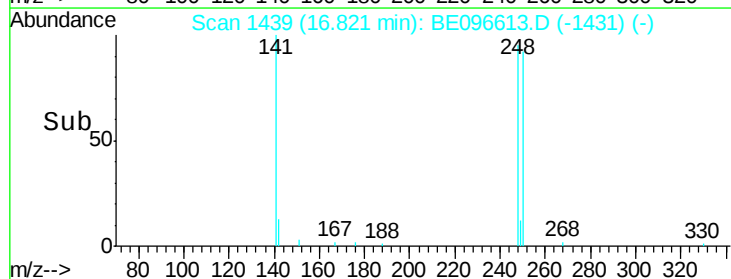
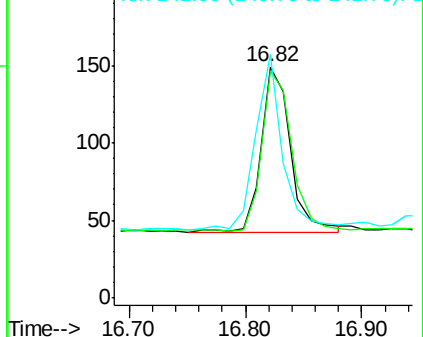
141 105.4 48.2 72.2#

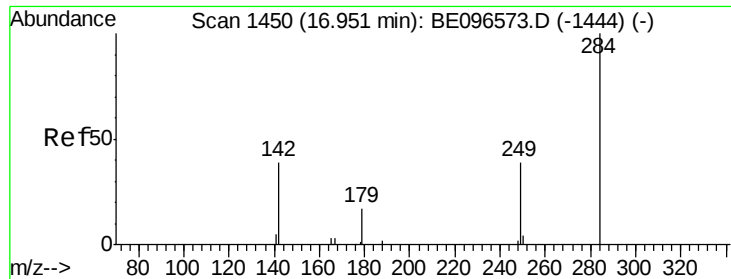


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.097 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

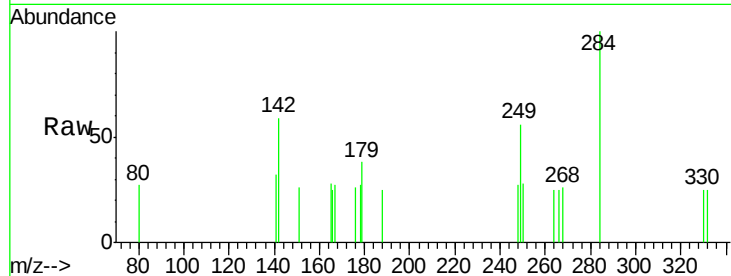
Tgt Ion:284 Resp: 215

Ion Ratio Lower Upper

284 100

142 45.6 22.1 33.1#

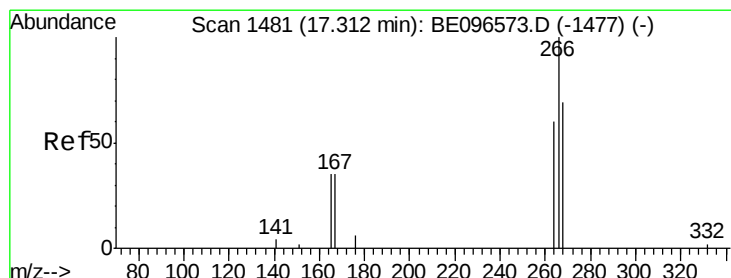
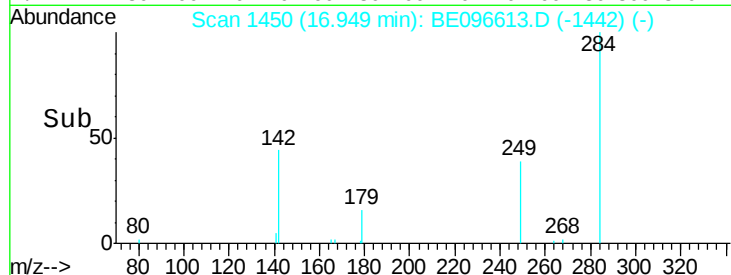
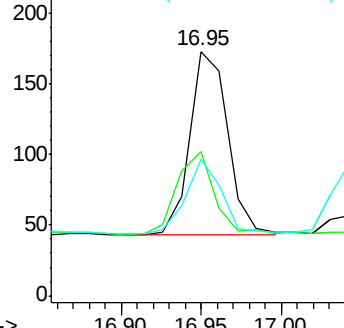
249 38.6 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.207 ng

RT: 17.32 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

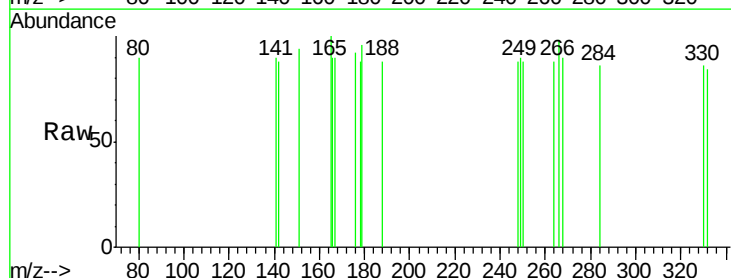
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

264 89.8 72.5 108.7

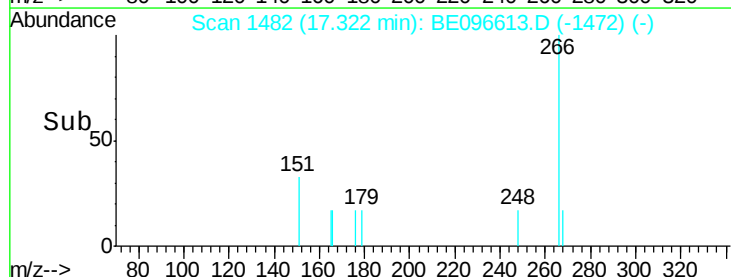
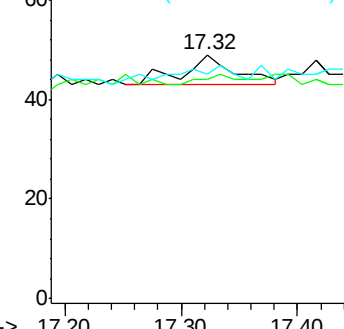
268 91.8 73.8 110.6

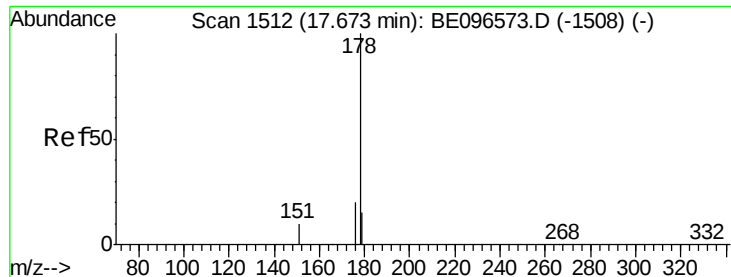


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.092 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

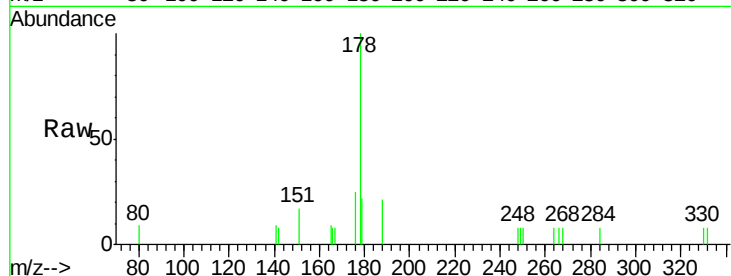
Tgt Ion:178 Resp: 906

Ion Ratio Lower Upper

178 100

176 17.9 15.1 22.7

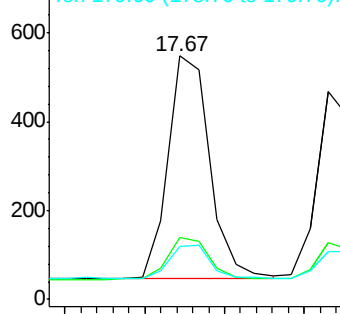
179 14.5 11.8 17.6



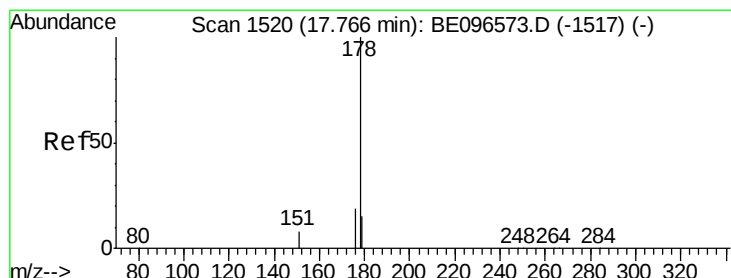
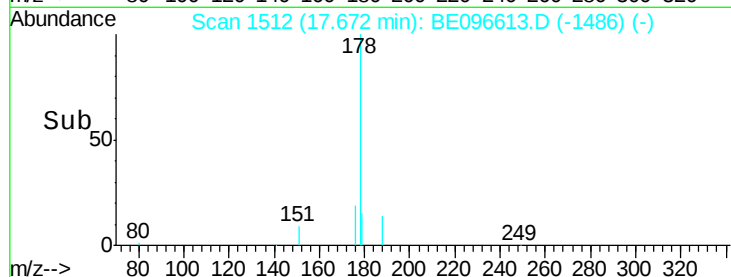
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.084 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

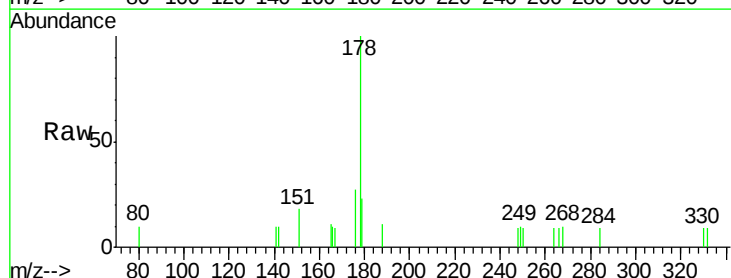
Tgt Ion:178 Resp: 771

Ion Ratio Lower Upper

178 100

176 19.5 12.8 19.2#

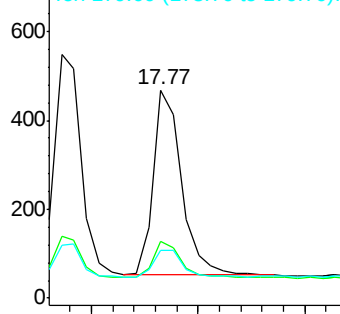
179 15.0 13.0 19.6



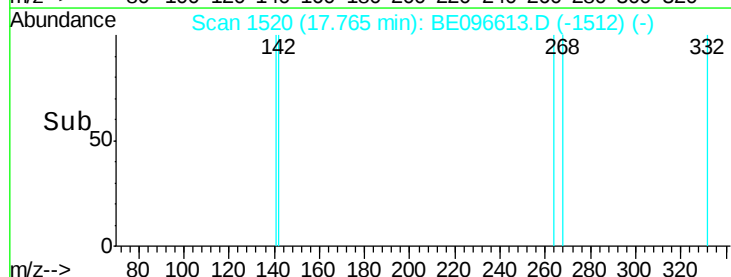
Abundance Ion 178.00 (177.70 to 178.70): E

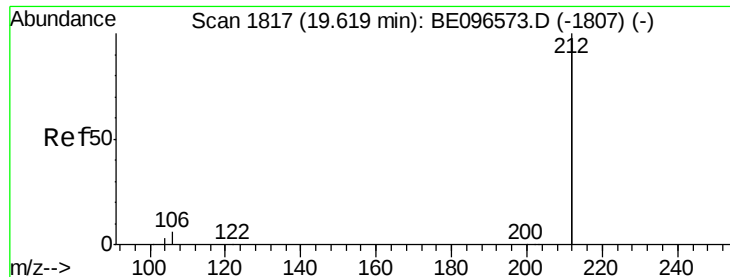
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.367 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

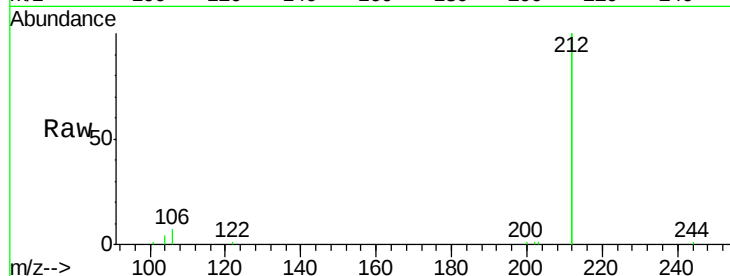
Tgt Ion:212 Resp: 15759

Ion Ratio Lower Upper

212 100

106 2.7 2.8 4.2#

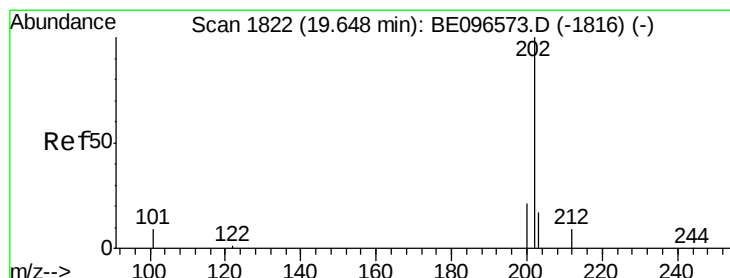
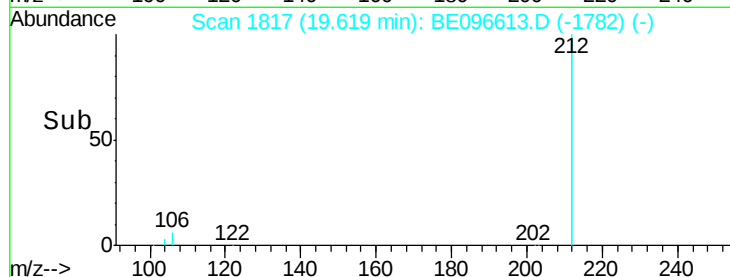
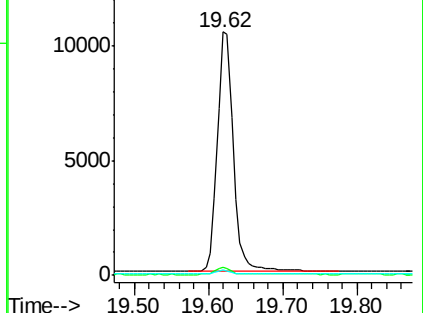
104 1.6 1.6 2.4



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: 0.089 ng

RT: 19.65 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

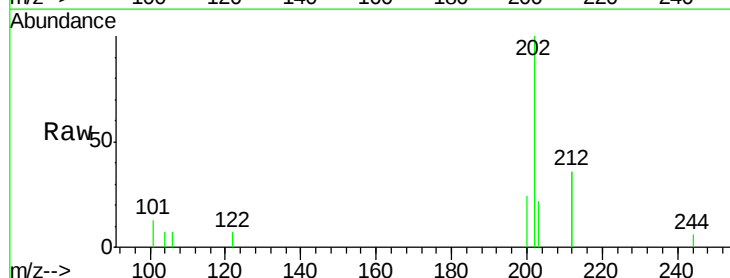
Tgt Ion:202 Resp: 1056

Ion Ratio Lower Upper

202 100

101 9.3 9.8 14.8#

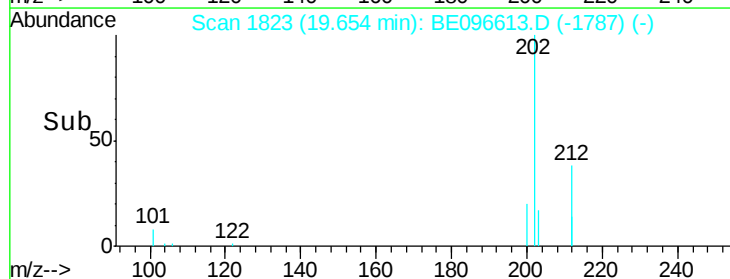
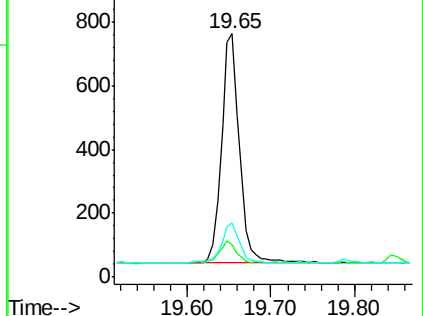
203 16.9 13.7 20.5

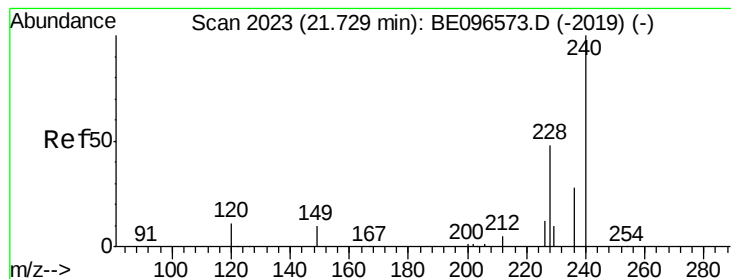


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

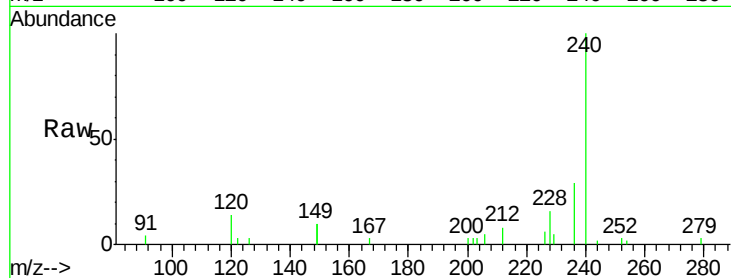
Tgt Ion:240 Resp: 3248

Ion Ratio Lower Upper

240 100

120 13.8 5.5 8.3#

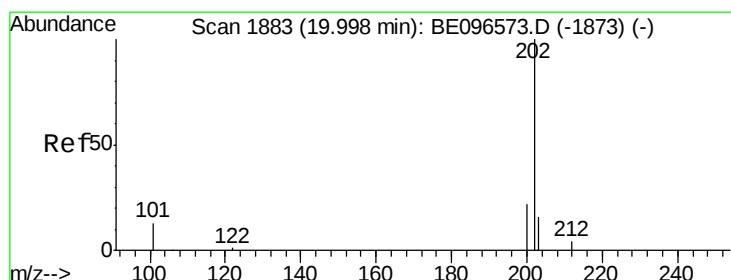
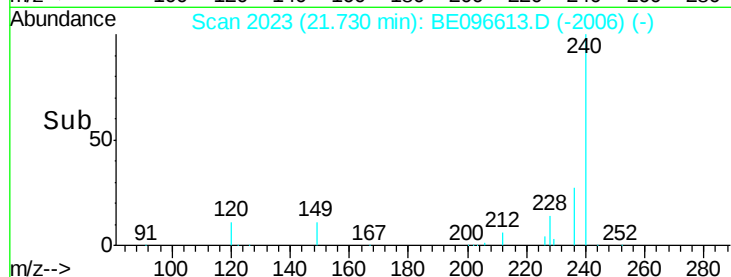
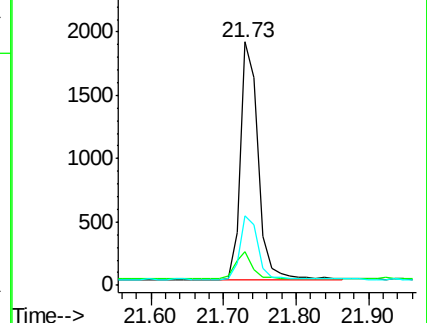
236 28.7 20.7 31.1



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: 0.070 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

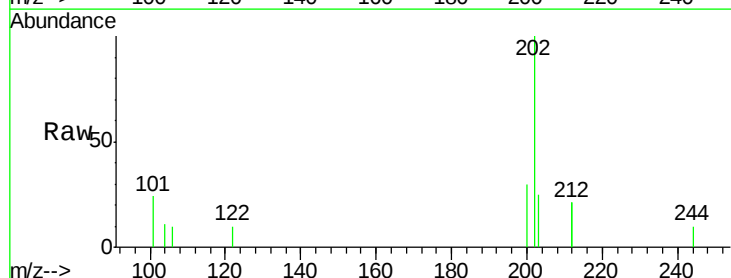
Tgt Ion:202 Resp: 410

Ion Ratio Lower Upper

202 100

200 24.9 16.6 25.0

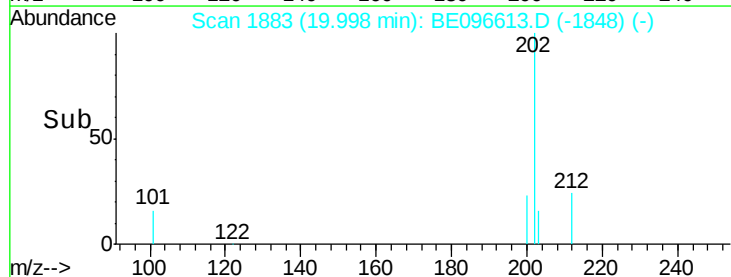
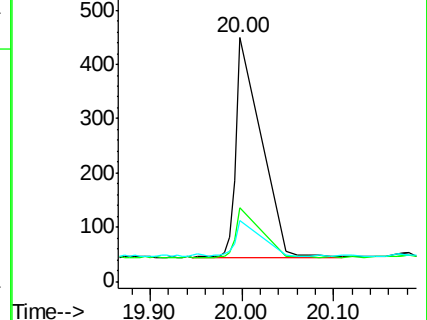
203 19.8 13.8 20.8



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: 0.331 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

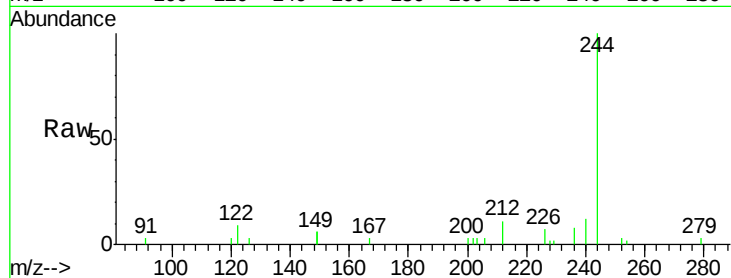
Tgt Ion:244 Resp: 2435

Ion Ratio Lower Upper

244 100

212 11.0 25.4 38.0#

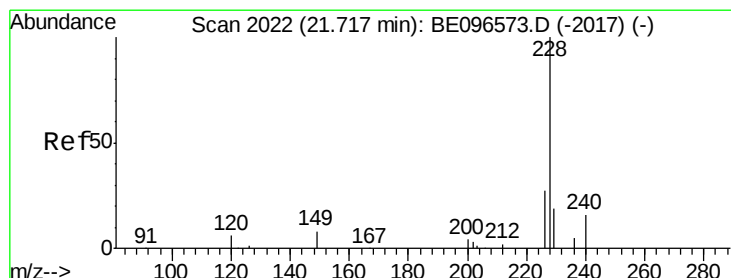
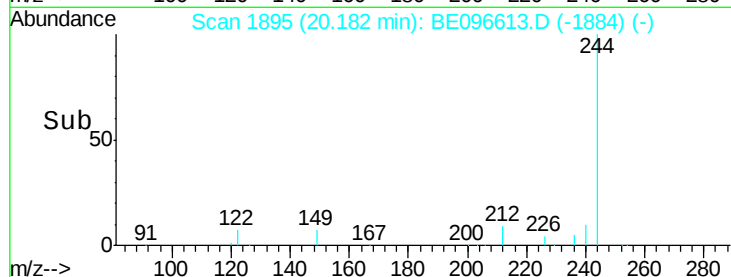
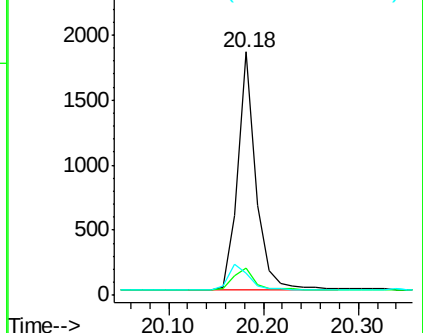
122 8.9 8.1 12.1



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: 0.089 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

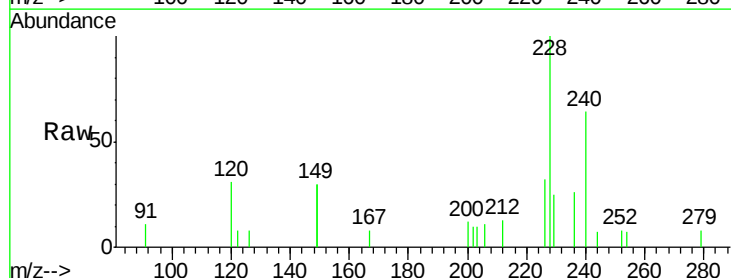
Tgt Ion:228 Resp: 889

Ion Ratio Lower Upper

228 100

226 32.1 24.0 36.0

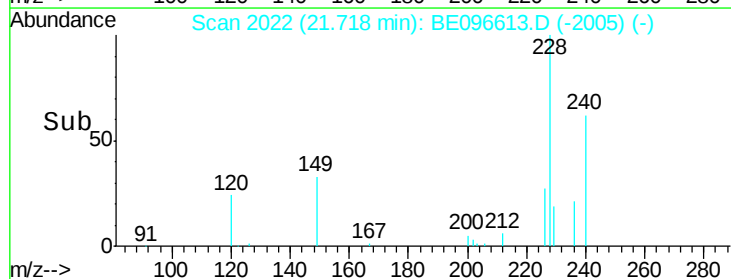
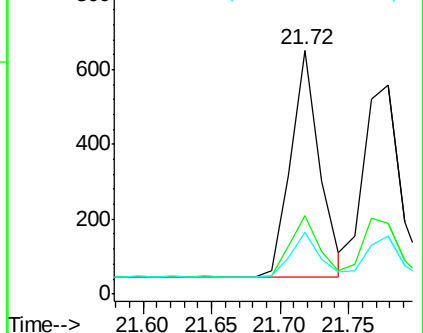
229 25.2 16.0 24.0#

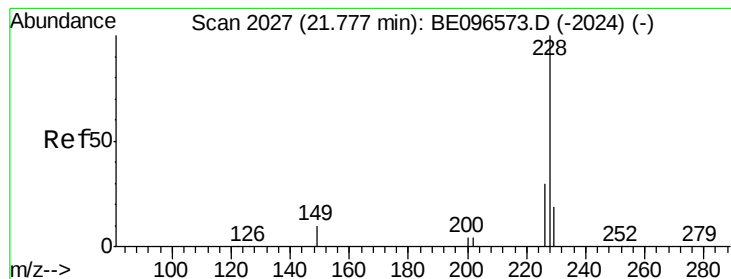


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.091 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

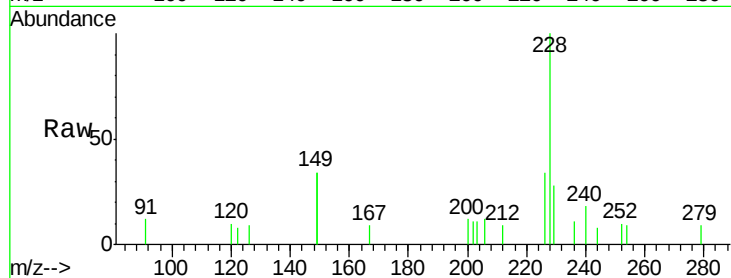
Tgt Ion:228 Resp: 941

Ion Ratio Lower Upper

228 100

226 34.0 24.0 36.0

229 27.7 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

800

600

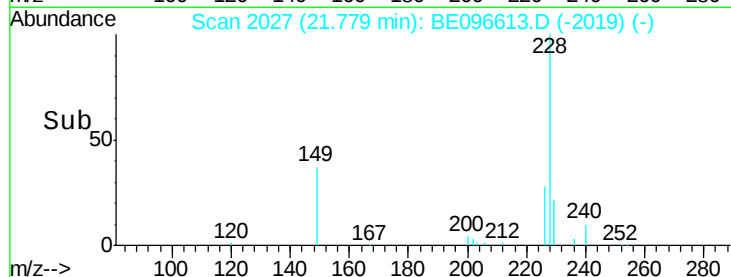
400

200

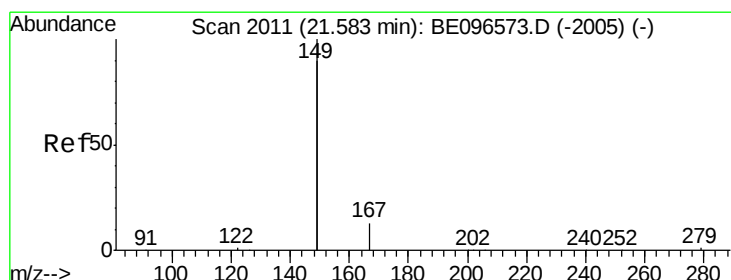
0

21.70 21.80 21.90

21.78



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.080 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

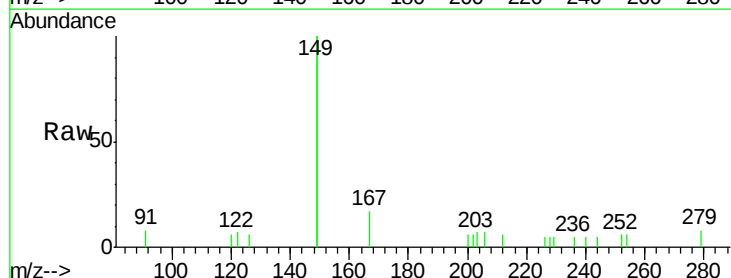
Tgt Ion:149 Resp: 1700

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

279 1.6 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

2000

1500

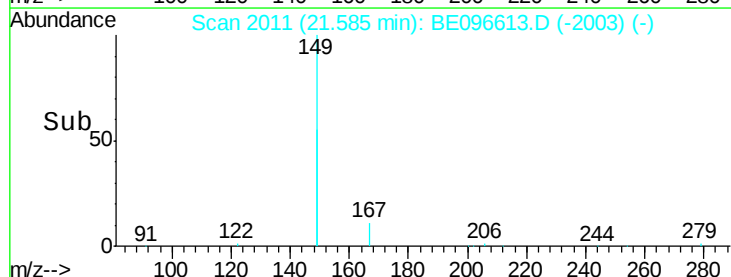
1000

500

0

21.50 21.55 21.60

21.58



Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.077 ng

RT: 27.11 min Scan# 3467

Delta R.T. 0.00 min

Lab File: BE096613.D

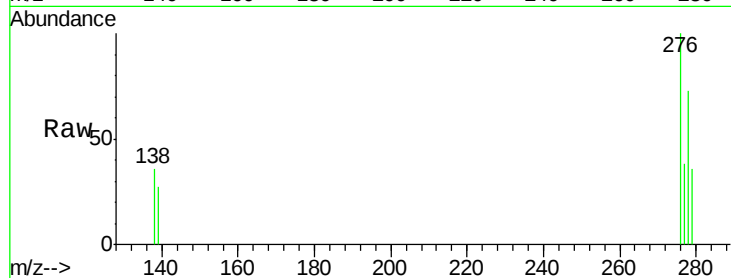
Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4



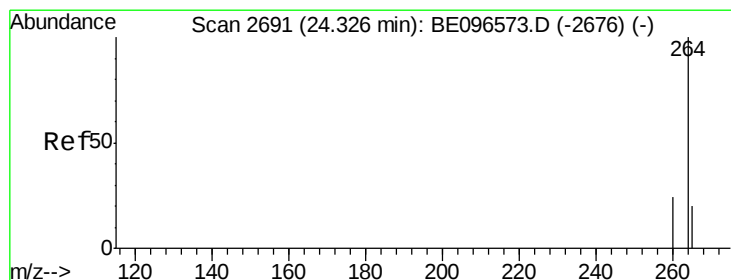
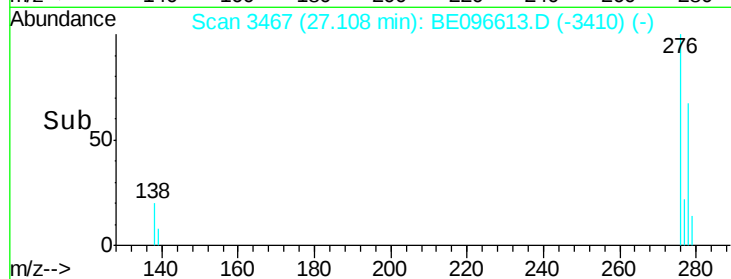
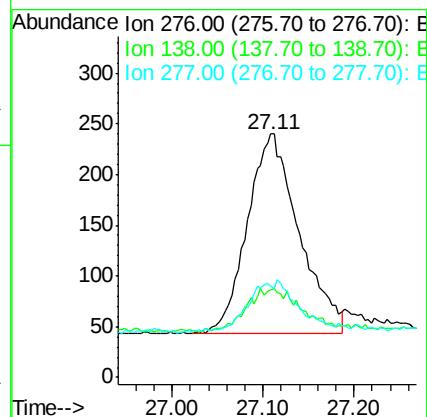
Tgt Ion:276 Resp: 771

Ion Ratio Lower Upper

276 100

138 7.8 22.5 33.7#

277 11.7 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: BE096613.D

Acq: 17 May 2018 17:13

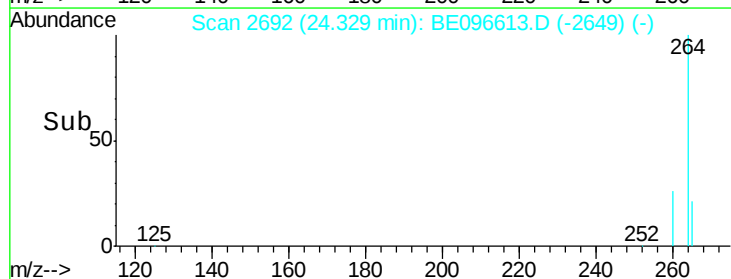
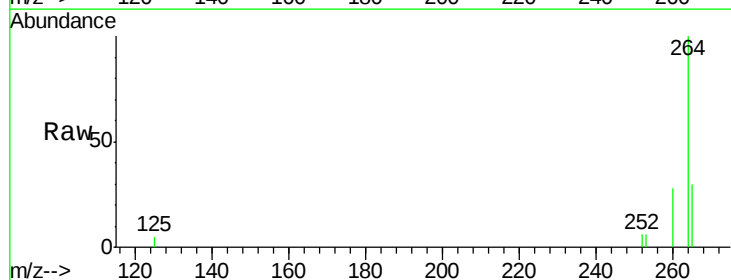
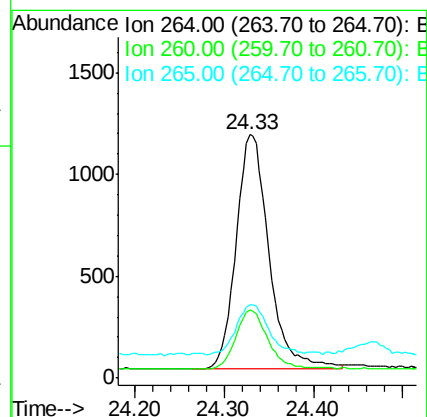
Tgt Ion:264 Resp: 2966

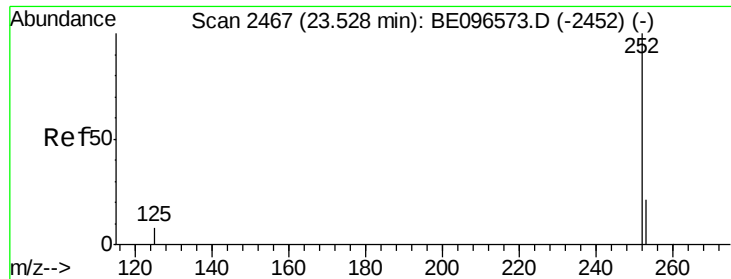
Ion Ratio Lower Upper

264 100

260 28.3 20.5 30.7

265 30.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.089 ng

RT: 23.53 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

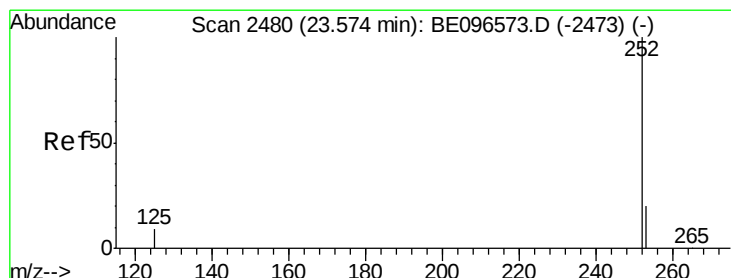
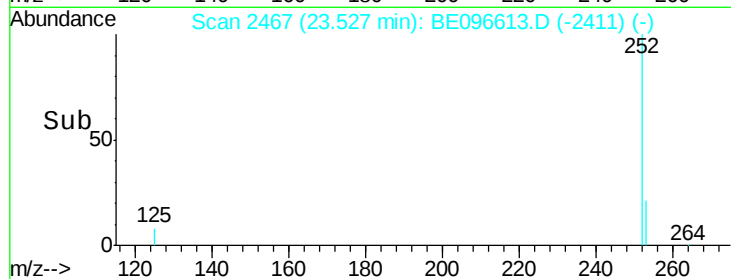
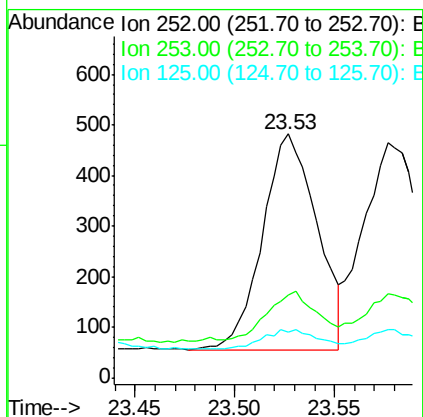
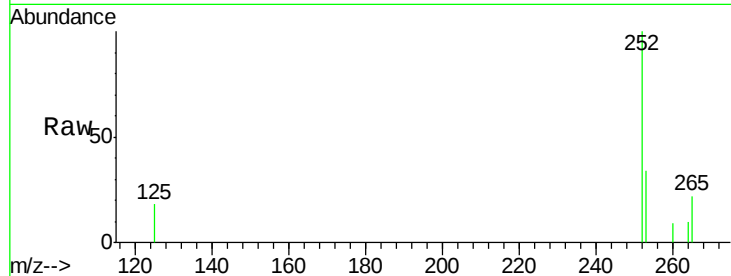
Tgt Ion:252 Resp: 810

Ion Ratio Lower Upper

252 100

253 34.0 20.0 30.0#

125 18.5 16.0 24.0



#36

Benzo(k)fluoranthene

Concen: 0.090 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

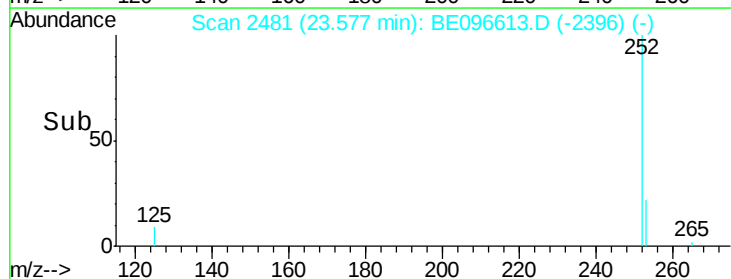
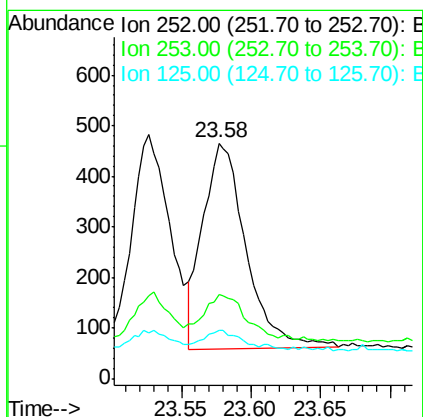
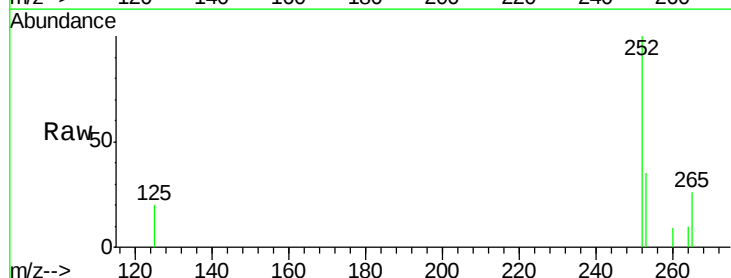
Tgt Ion:252 Resp: 871

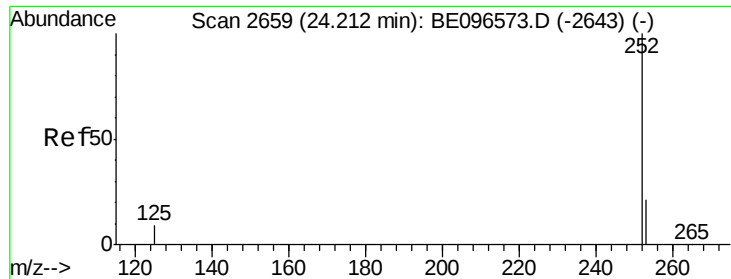
Ion Ratio Lower Upper

252 100

253 35.4 16.0 24.0#

125 20.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.086 ng

RT: 24.21 min Scan# 2660

Delta R.T. 0.00 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4

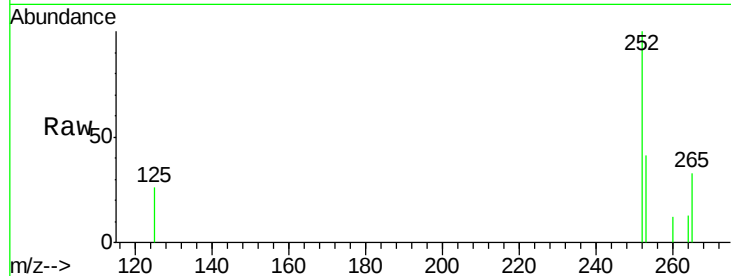
Tgt Ion: 252 Resp: 749

Ion Ratio Lower Upper

252 100

253 40.9 16.0 24.0#

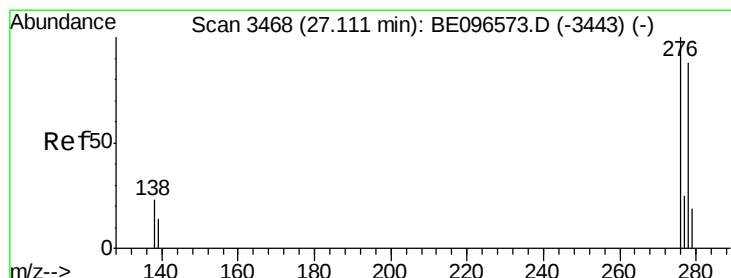
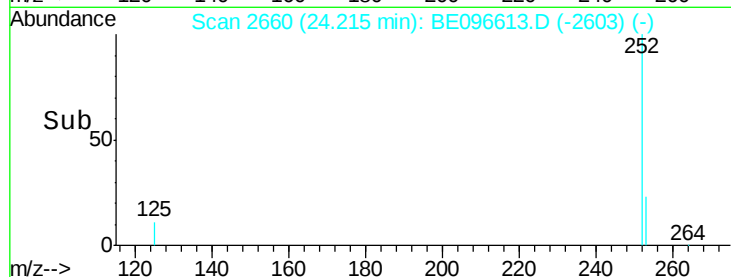
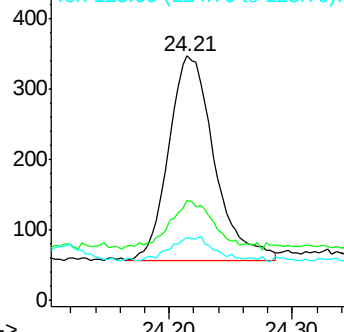
125 25.6 12.0 18.0#



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: 0.077 ng

RT: 27.12 min Scan# 3470

Delta R.T. 0.01 min

Lab File: BE096613.D

Acq: 17 May 2018 17:13

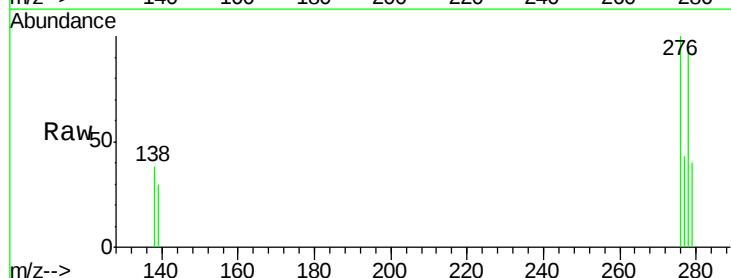
Tgt Ion: 278 Resp: 617

Ion Ratio Lower Upper

278 100

139 33.0 16.0 24.0#

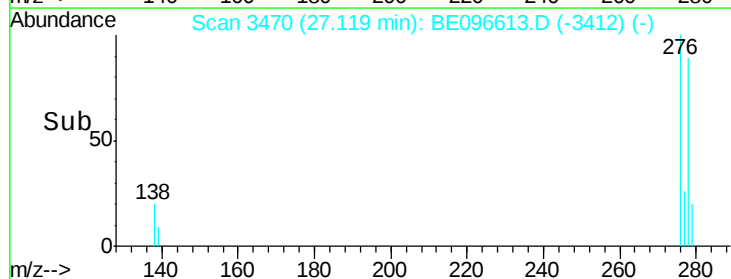
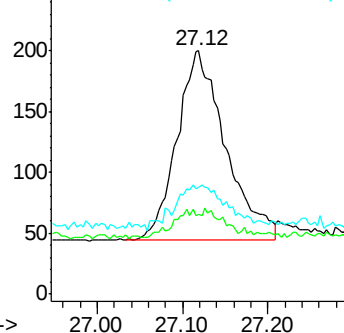
279 44.0 20.0 30.0#

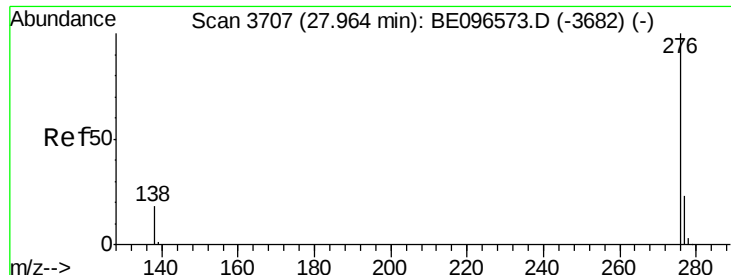


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.085 ng

RT: 27.96 min Scan# 3707

Delta R.T. 0.00 min

Lab File: BE096613.D

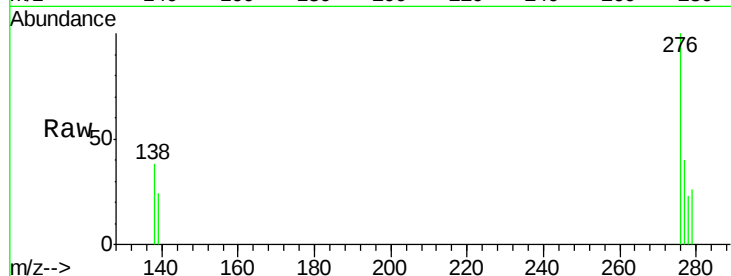
Acq: 17 May 2018 17:13

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-4



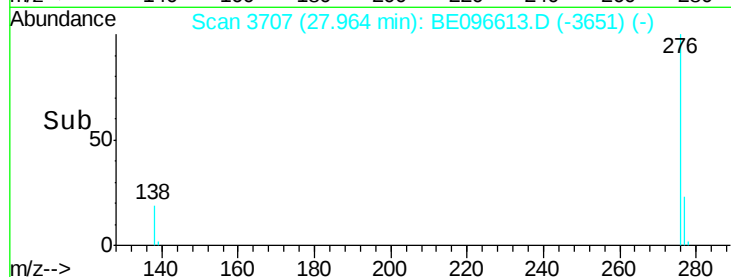
Tgt Ion: 276 Resp: 711

Ion Ratio Lower Upper

276 100

277 39.7 16.0 24.0#

138 37.8 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

