

Data File : BE096609.D
Acq On : 17 May 2018 14:46
Operator : SJ/JU
Sample : J2923-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 18 05:13:43 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	636	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2669	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1562	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3576	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3285	0.40	ng	0.00
34) Perylene-d12	24.33	264	2999	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	620	0.35	ng	0.00
5) Phenol-d6	7.51	99	808	0.33	ng	0.00
8) Nitrobenzene-d5	9.53	82	988	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1612	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	161	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2430	0.36	ng	0.00
25) Fluoranthene-d10	19.62	212	15902	0.36	ng	0.00
29) Terphenyl-d14	20.18	244	2508	0.34	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.59	88	98	0.10	ng	# 91
3) n-Nitrosodimethylamine	3.98	42	70	0.06	ng	# 66
6) bis(2-Chloroethyl)ether	7.75	93	226	0.10	ng	# 84
9) Naphthalene	11.22	128	2651	0.09	ng	# 93
10) Hexachlorobutadiene	11.49	225	137	0.09	ng	# 90
12) 2-Methylnaphthalene	12.79	142	438	0.09	ng	# 91
16) Acenaphthylene	14.66	152	727	0.09	ng	# 98
17) Acenaphthene	14.99	154	464	0.09	ng	# 95
18) Fluorene	15.96	166	652	0.11	ng	# 72
20) 4-Bromophenyl-phenylether	16.82	248	192	0.09	ng	# 67
21) Hexachlorobenzene	16.95	284	217	0.10	ng	# 83
22) Pentachlorophenol	17.32	266	17	0.21	ng	# 98
23) Phenanthrene	17.67	178	903	0.09	ng	# 98
24) Anthracene	17.77	178	762	0.08	ng	# 97
26) Fluoranthene	19.65	202	1063	0.09	ng	# 96
28) Pyrene	20.00	202	469	0.08	ng	# 95
30) Benzo(a)anthracene	21.72	228	891	0.09	ng	# 92
31) Chrysene	21.77	228	978	0.09	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.58	149	1754	0.08	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.11	276	753	0.07	ng	# 59
35) Benzo(b)fluoranthene	23.52	252	834	0.09	ng	# 88
36) Benzo(k)fluoranthene	23.58	252	851	0.09	ng	# 67
37) Benzo(a)pyrene	24.21	252	738	0.08	ng	# 67
38) Dibenzo(a,h)anthracene	27.12	278	608	0.08	ng	# 62
39) Benzo(g,h,i)perylene	27.97	276	741	0.09	ng	# 72

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

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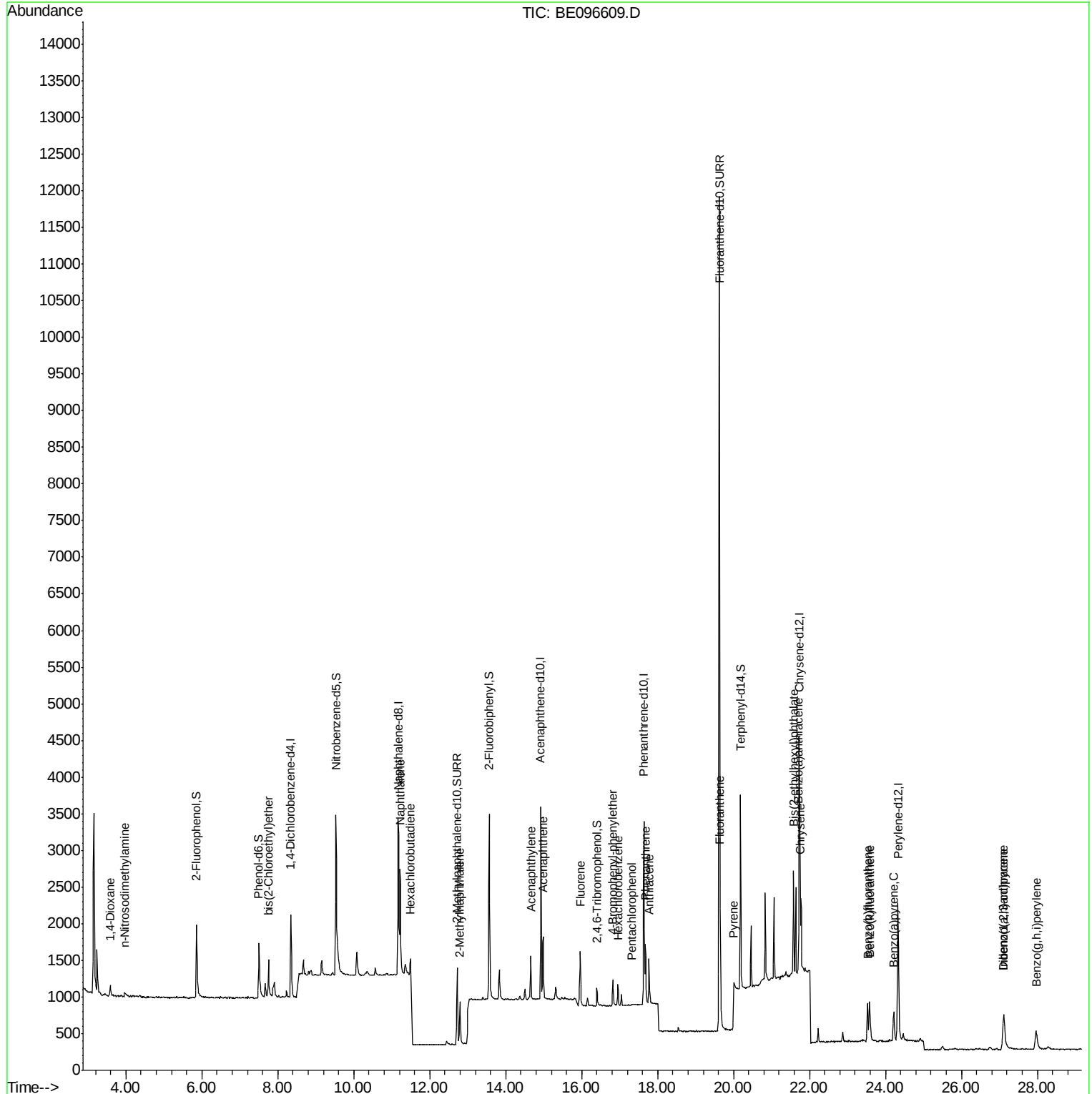
Quant Time: May 18 05:13:43 2018

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.35 min Scan# 561

Delta R.T. 0.01 min

Lab File: BE096609.D

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Instrument :

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ClientSampleId :

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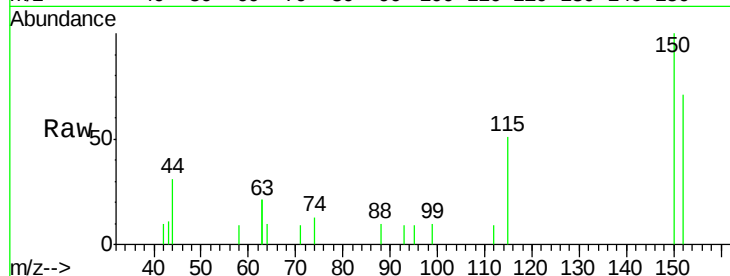
Tgt Ion: 152 Resp: 636

Ion Ratio Lower Upper

152 100

150 139.9 117.2 175.8

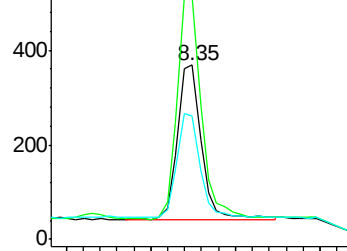
115 70.9 57.0 85.6



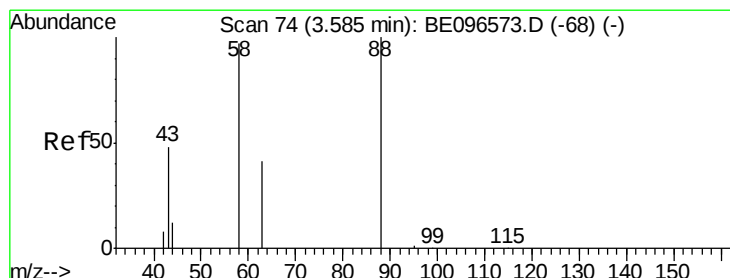
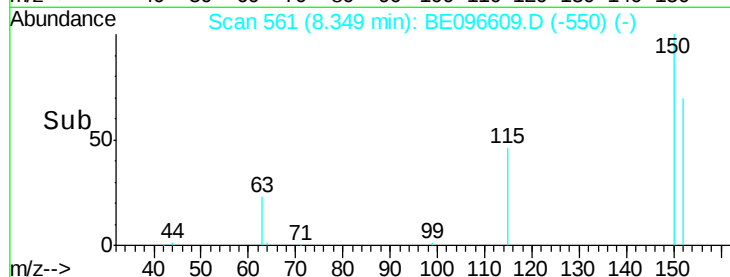
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 3.59 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

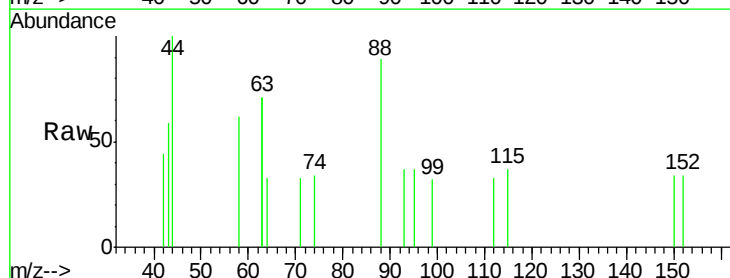
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

58 80.6 63.2 94.8

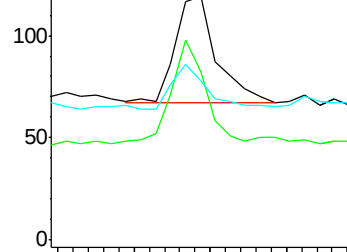
43 36.7 41.2 61.8#



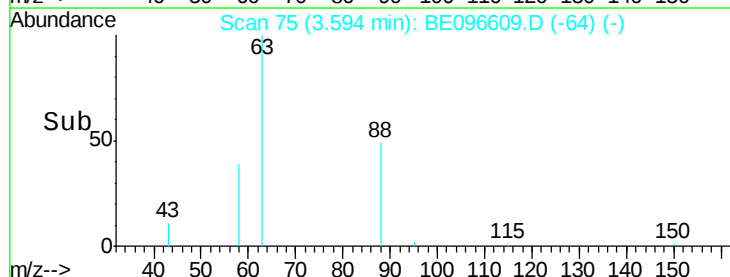
Abundance Ion 88.00 (87.70 to 88.70): BE0

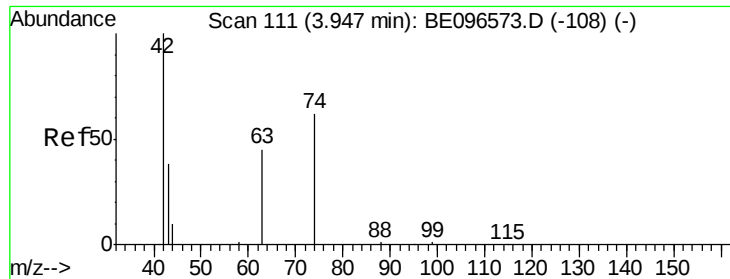
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.98 min Scan# 114

Delta R.T. 0.03 min

Lab File: BE096609.D

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LOQ-SCM-Precision-Bias-4

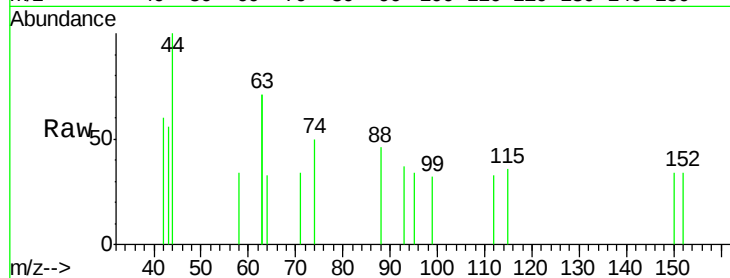
Tgt Ion: 42 Resp: 70

Ion Ratio Lower Upper

42 100

74 80.0 96.0 144.0#

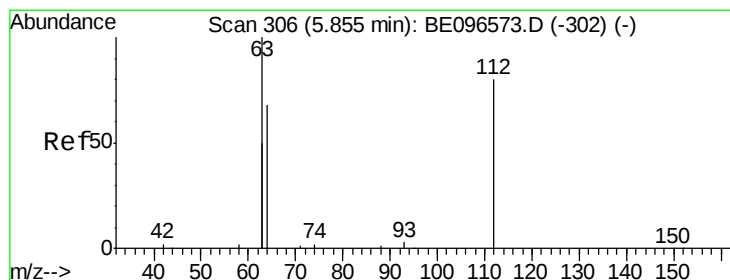
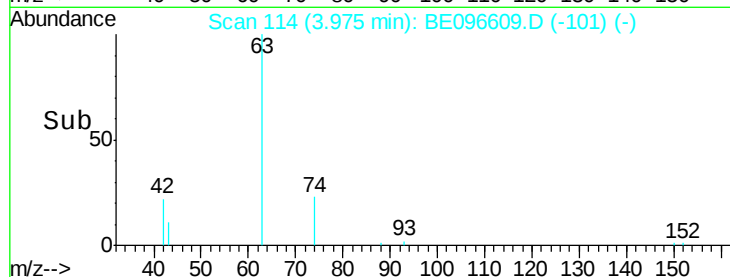
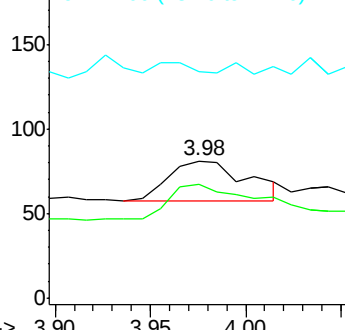
44 5.7 12.0 18.0#



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: 0.35 ng

RT: 5.86 min Scan# 307

Delta R.T. 0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

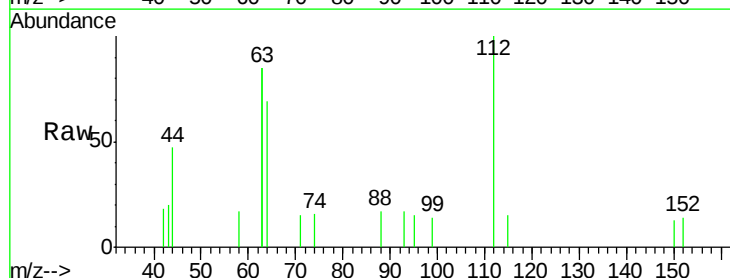
Tgt Ion: 112 Resp: 620

Ion Ratio Lower Upper

112 100

64 77.9 60.1 90.1

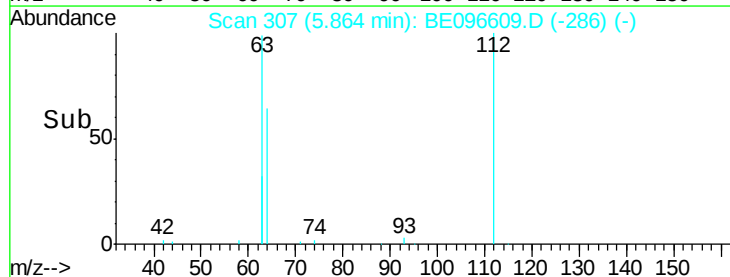
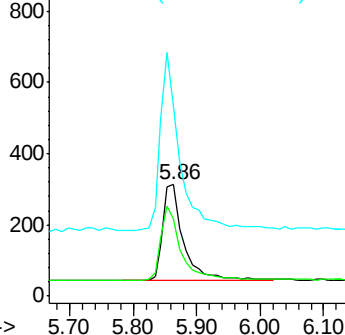
63 174.7 116.8 175.2

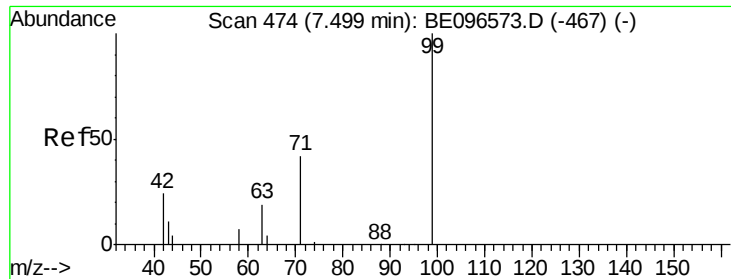


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.33 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

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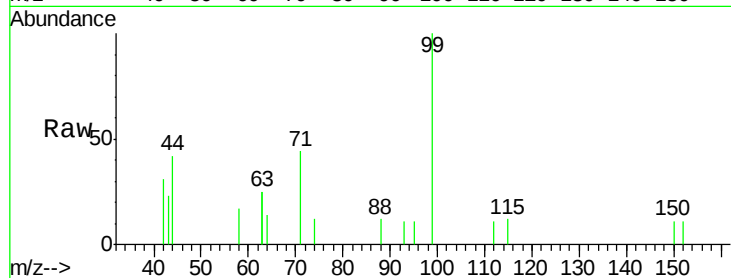
Tgt Ion: 99 Resp: 808

Ion Ratio Lower Upper

99 100

42 27.7 20.2 30.2

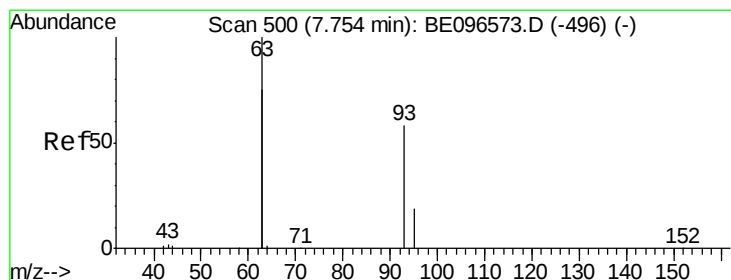
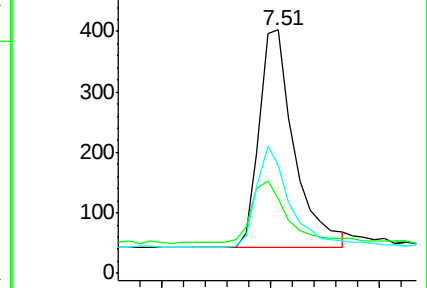
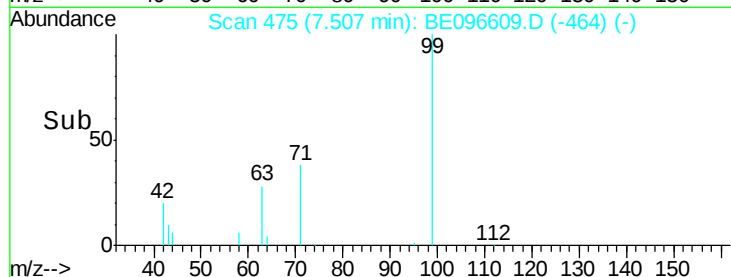
71 43.3 28.4 42.6#



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: 0.10 ng

RT: 7.75 min Scan# 500

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

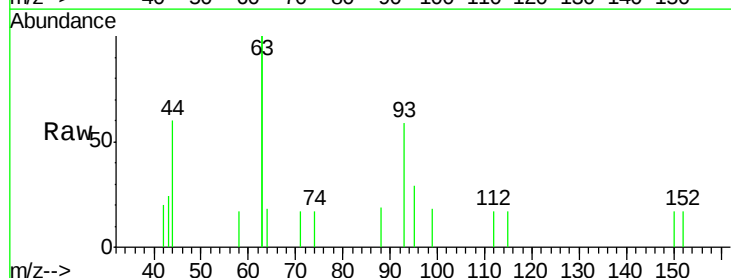
Tgt Ion: 93 Resp: 226

Ion Ratio Lower Upper

93 100

63 308.0 275.3 412.9

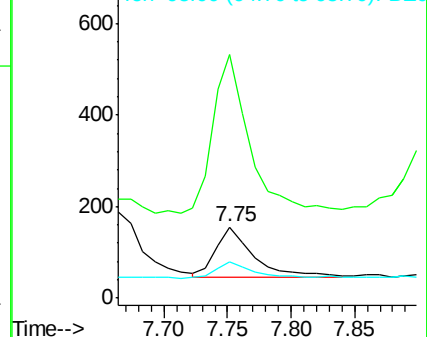
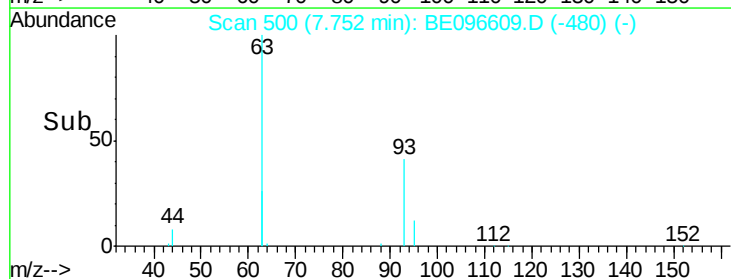
95 30.1 25.2 37.8

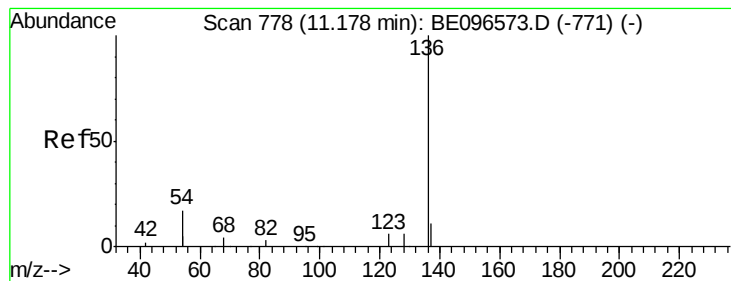


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.18 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

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Tgt Ion: 136 Resp: 2669

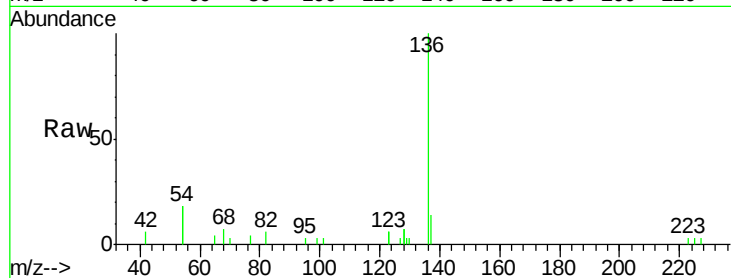
Ion Ratio Lower Upper

136 100

137 14.0 9.5 14.3

54 36.3 29.1 43.7

68 7.0 6.2 9.2

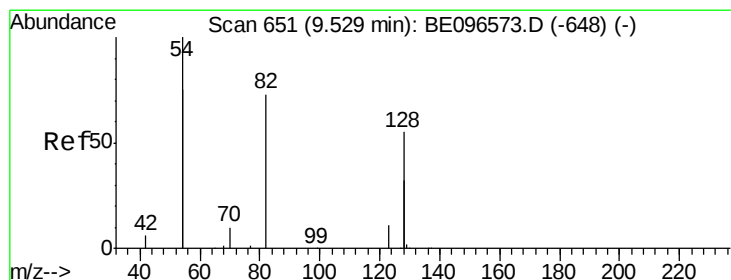
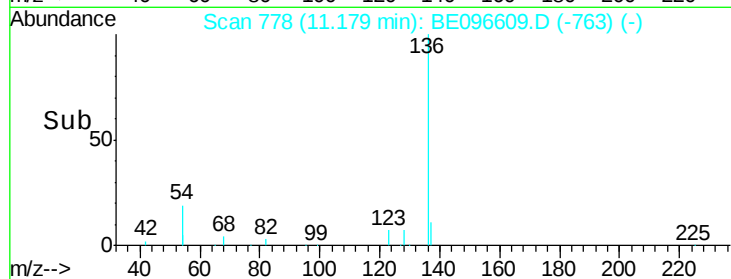
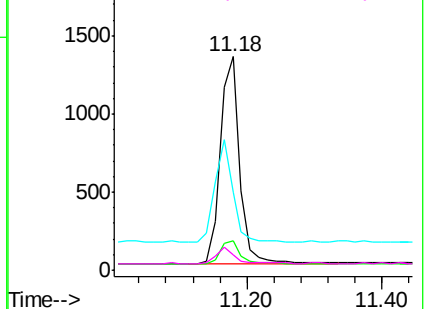


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.35 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

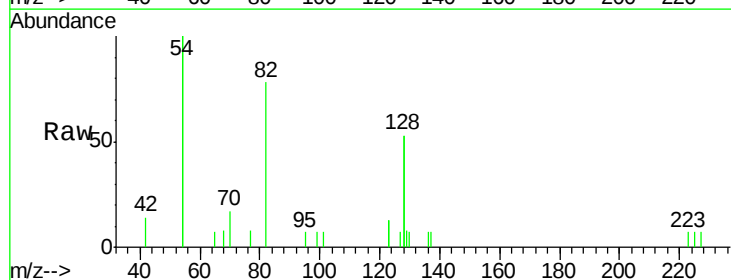
Tgt Ion: 82 Resp: 988

Ion Ratio Lower Upper

82 100

128 136.8 150.0 225.0#

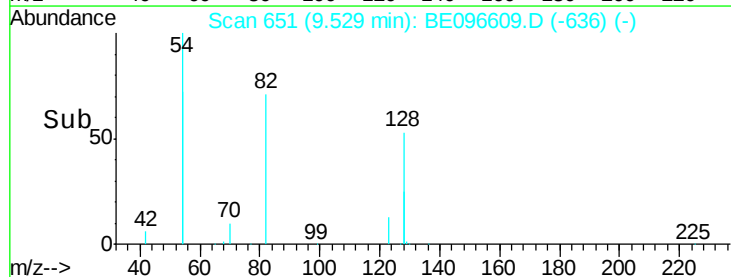
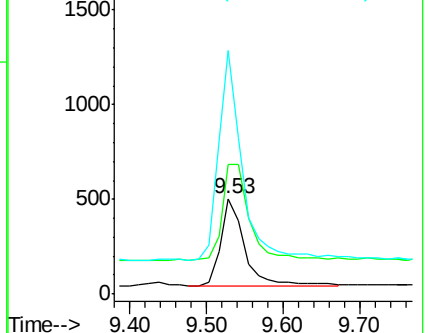
54 255.7 154.2 231.4#

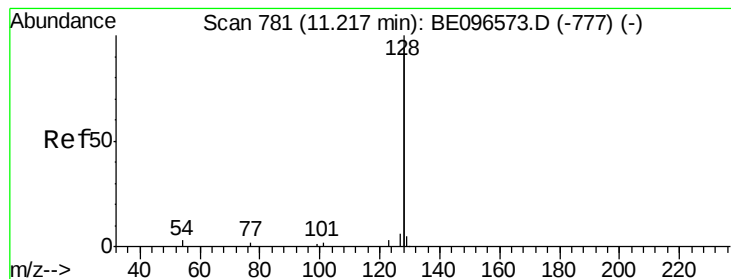


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.09 ng

RT: 11.22 min Scan# 781

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

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ClientSampleId :

LOQ-SCM-Precision-Bias-4

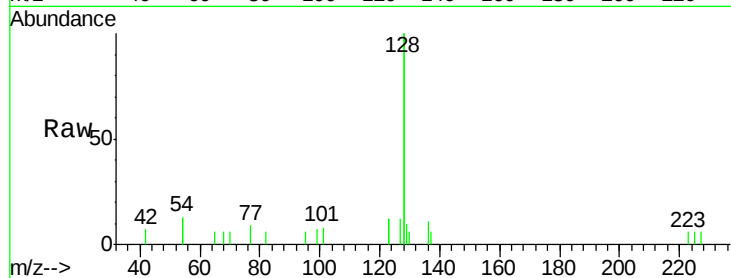
Tgt Ion:128 Resp: 2651

Ion Ratio Lower Upper

128 100

129 5.2 2.6 3.8#

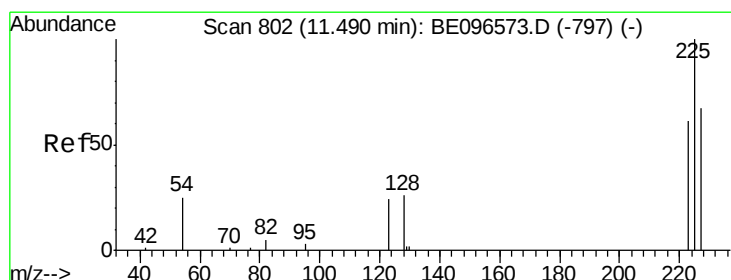
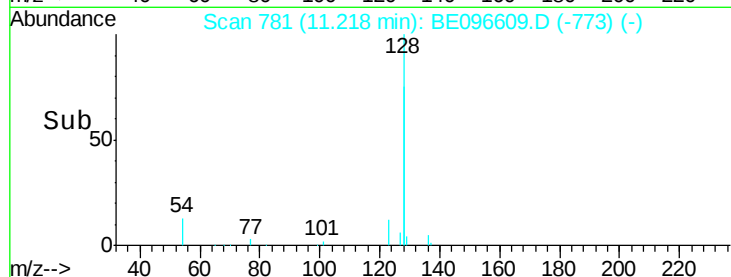
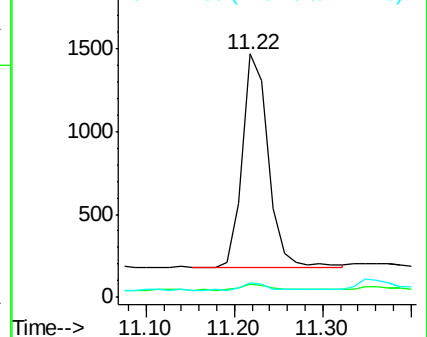
127 6.1 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.09 ng

RT: 11.49 min Scan# 802

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

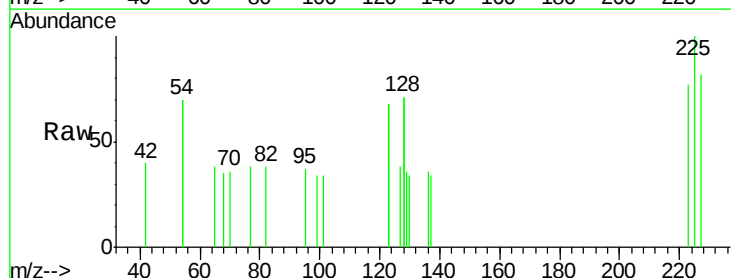
Tgt Ion:225 Resp: 137

Ion Ratio Lower Upper

225 100

223 57.7 53.0 79.6

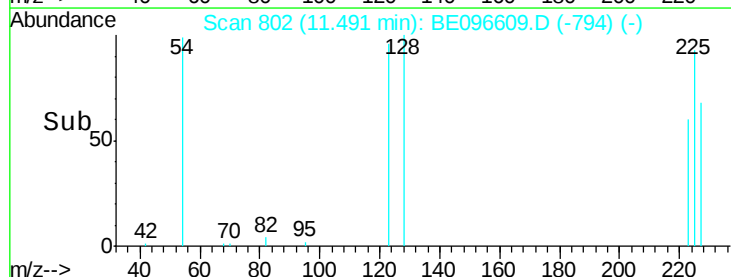
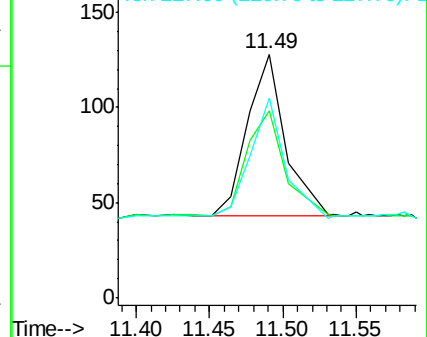
227 70.8 51.4 77.2

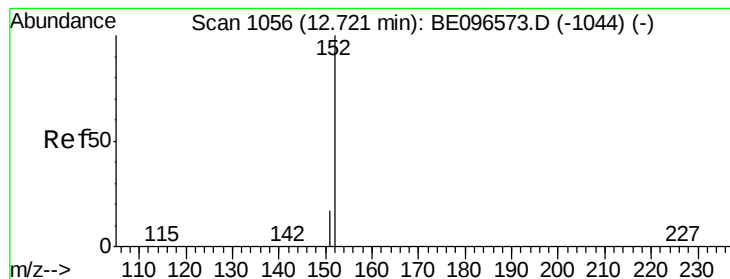


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.37 ng

RT: 12.72 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

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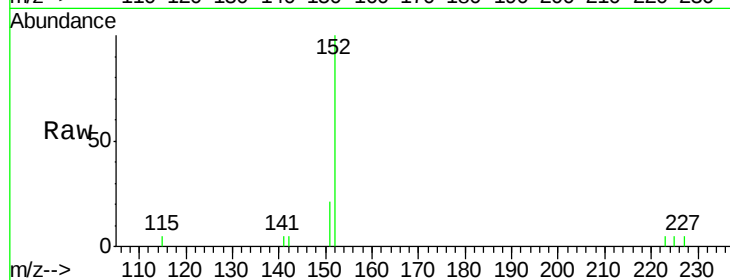
LOQ-SCM-Precision-Bias-4

Tgt Ion:152 Resp: 1612

Ion Ratio Lower Upper

152 100

151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1000

800

600

400

200

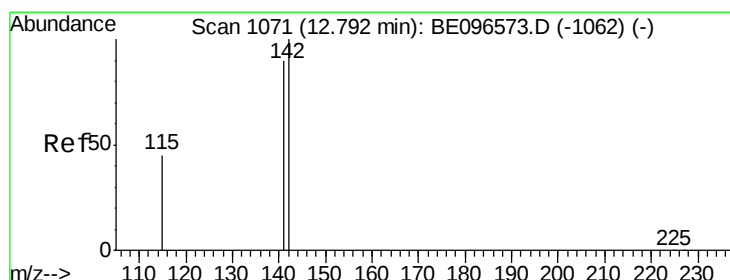
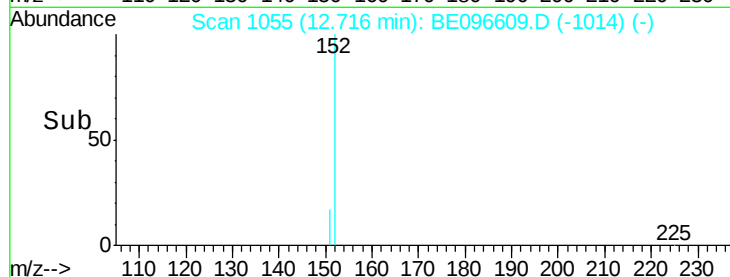
0

12.72

12.70

12.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

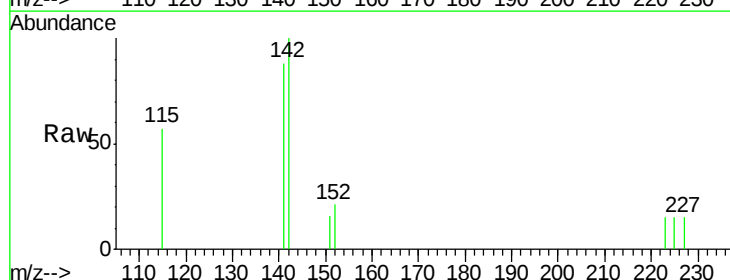
Tgt Ion:142 Resp: 438

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

115 57.0 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

300

200

100

0

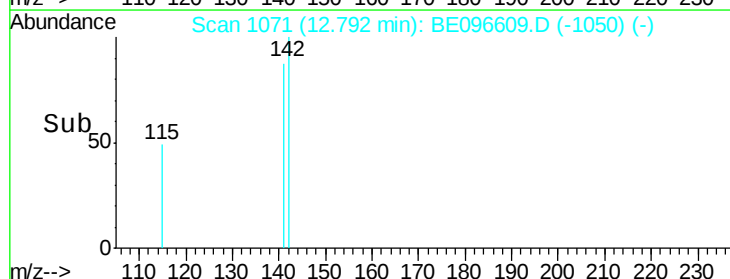
12.79

12.70

12.80

12.90

Time-->

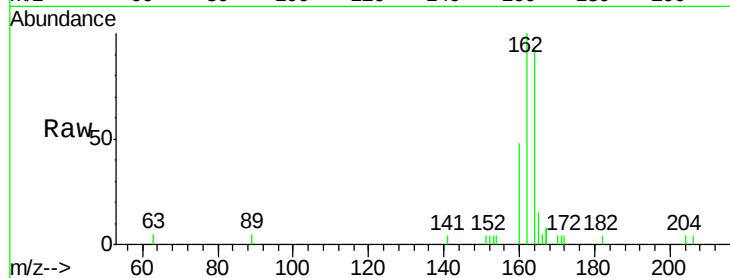




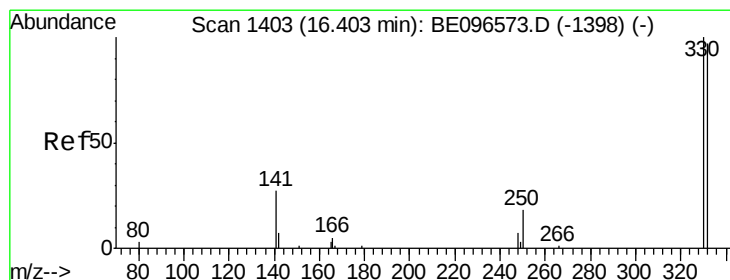
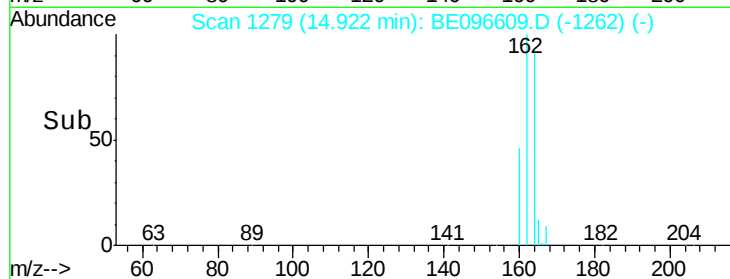
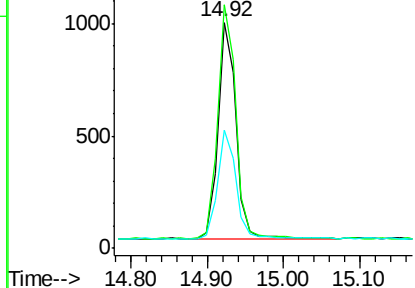
#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.92 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BE096609.D
 Acq: 17 May 2018 14:46

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

Tgt Ion:164 Resp: 1562
 Ion Ratio Lower Upper
 164 100
 162 107.9 83.1 124.7
 160 52.1 37.1 55.7

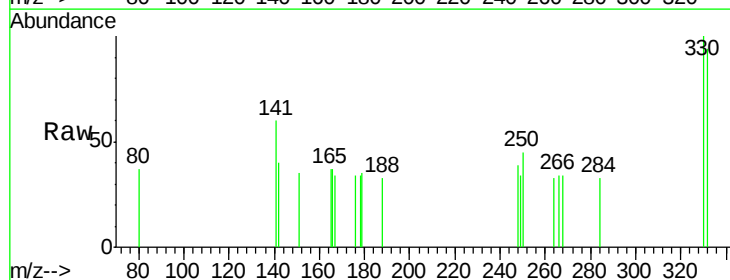


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

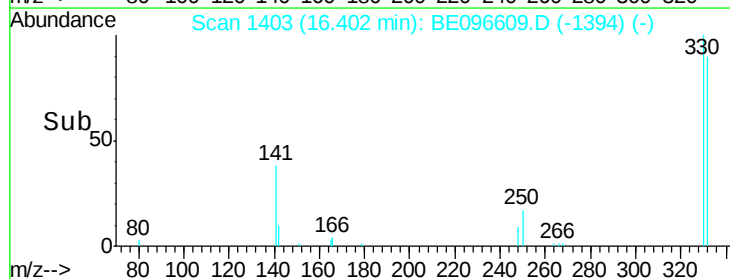
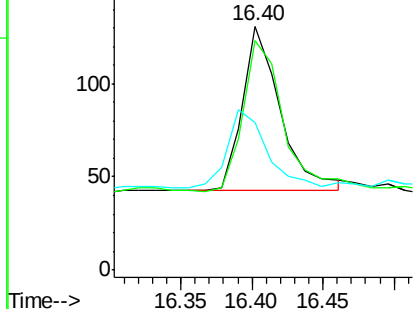


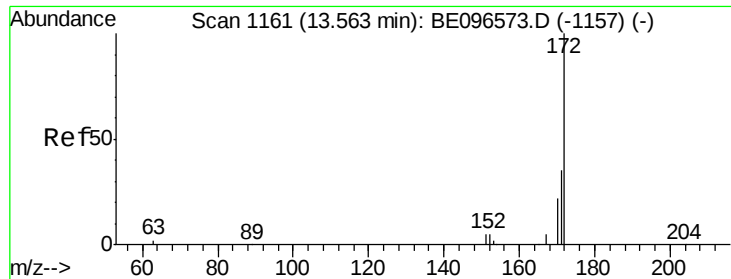
#14
 2,4,6-Tribromophenol
 Concen: 0.26 ng
 RT: 16.40 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BE096609.D
 Acq: 17 May 2018 14:46

Tgt Ion:330 Resp: 161
 Ion Ratio Lower Upper
 330 100
 332 96.9 152.7 229.1#
 141 49.7 33.7 50.5



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

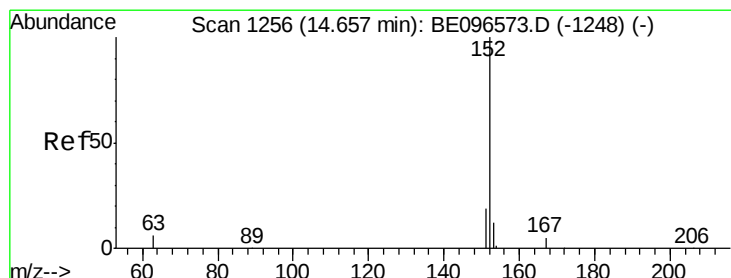
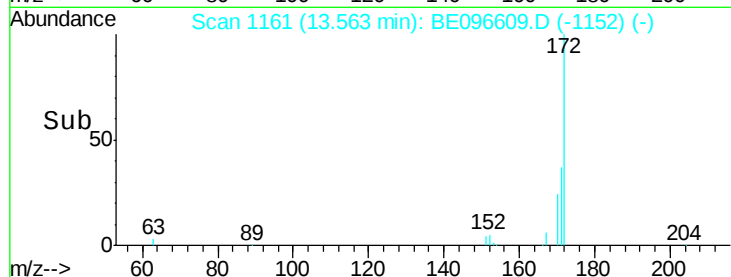
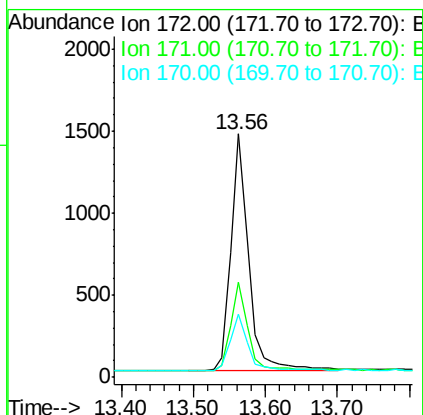
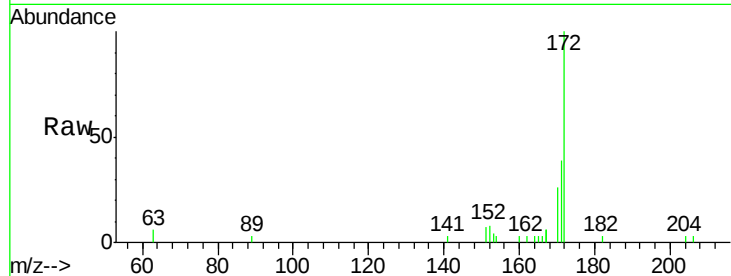




#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096609.D
Acq: 17 May 2018 14:46

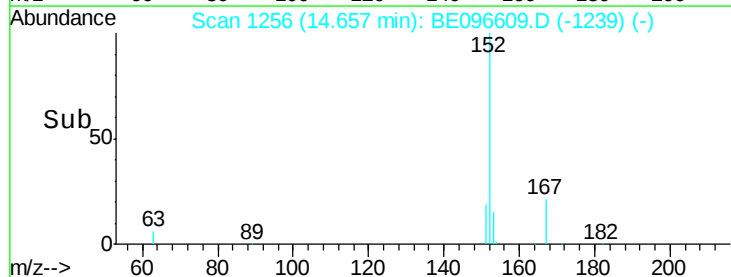
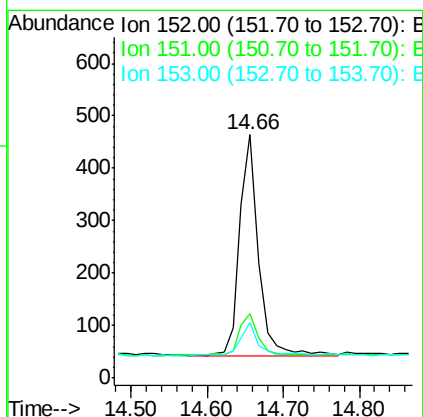
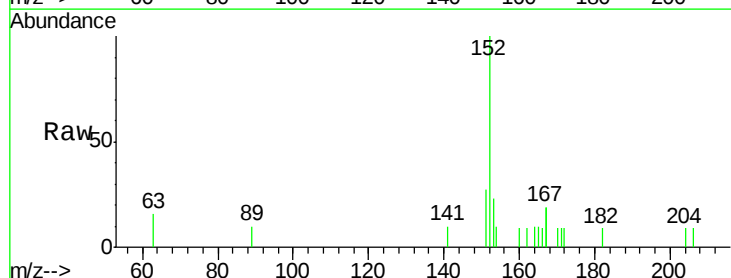
Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-4

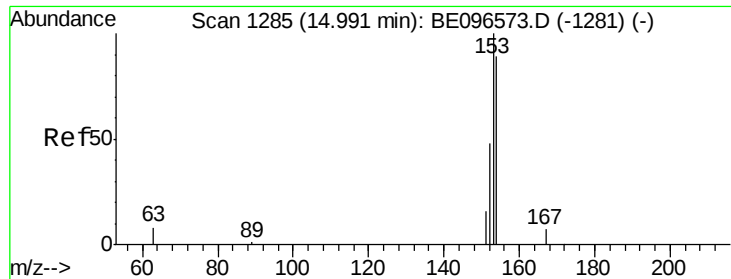
Tgt Ion:172 Resp: 2430
Ion Ratio Lower Upper
172 100
171 38.9 29.9 44.9
170 25.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.09 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096609.D
Acq: 17 May 2018 14:46

Tgt Ion:152 Resp: 727
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 14.2 10.5 15.7





#17

Acenaphthene

Concen: 0.09 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

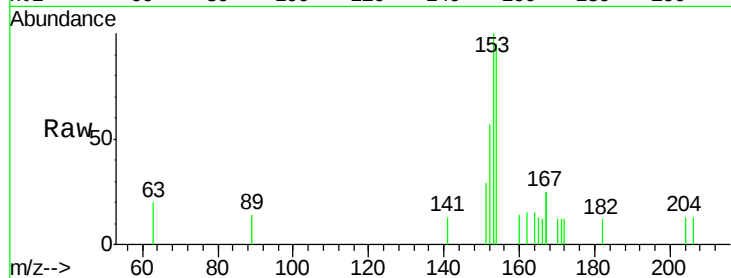
Tgt Ion:154 Resp: 464

Ion Ratio Lower Upper

154 100

153 114.7 89.2 133.8

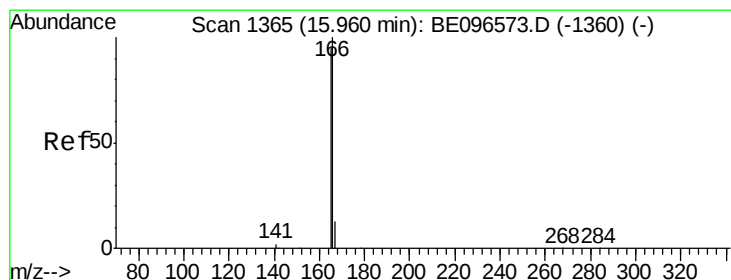
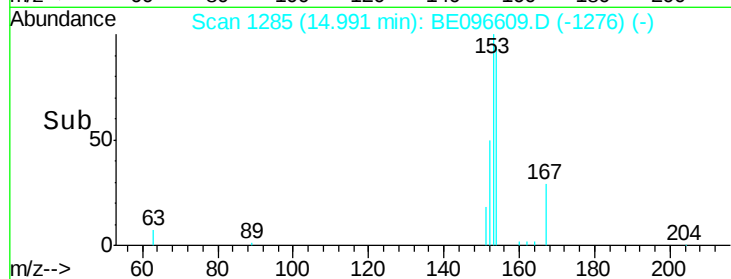
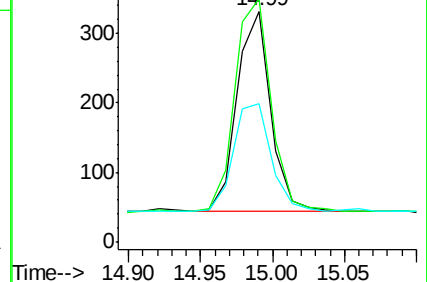
152 59.9 42.0 63.0



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: 0.11 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

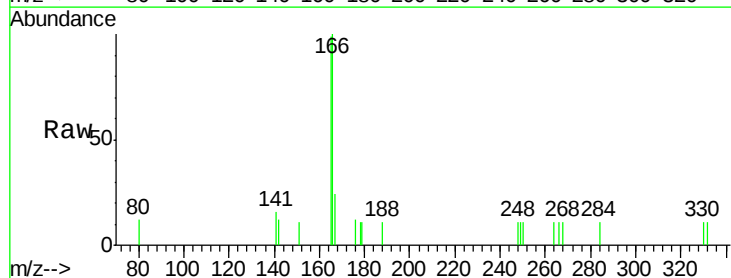
Tgt Ion:166 Resp: 652

Ion Ratio Lower Upper

166 100

165 84.4 77.8 116.6

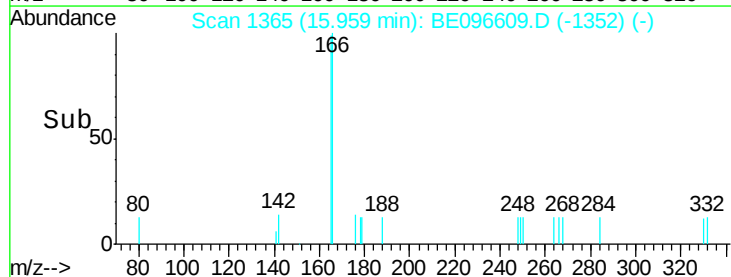
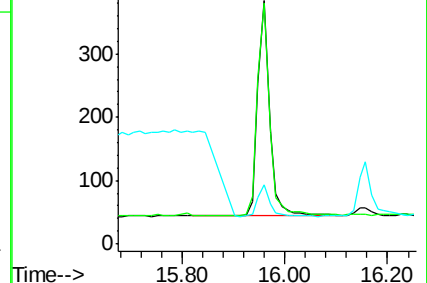
167 12.7 42.4 63.6#

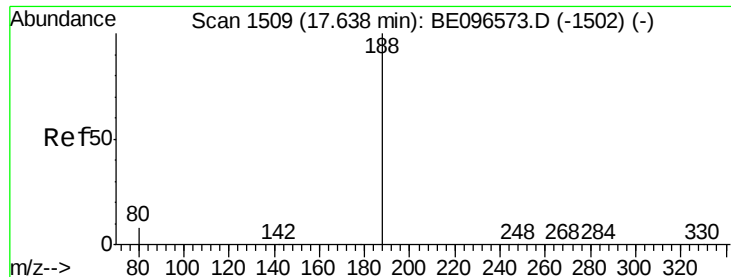


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

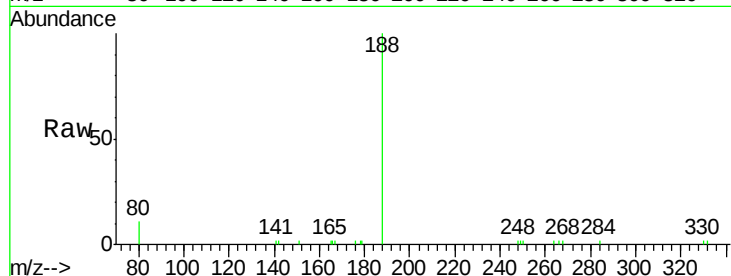
Tgt Ion:188 Resp: 3576

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

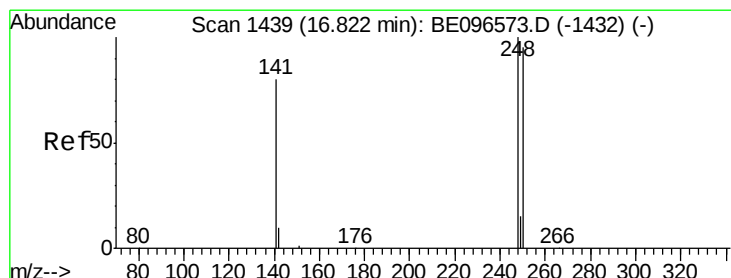
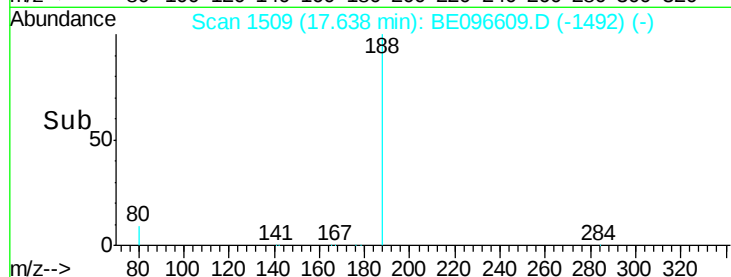
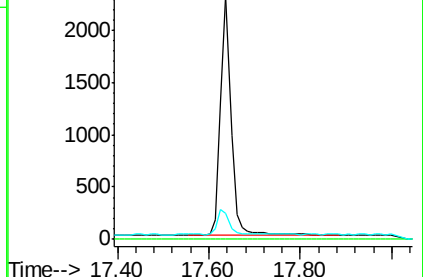
80 10.9 3.6 5.4#



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: 0.09 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

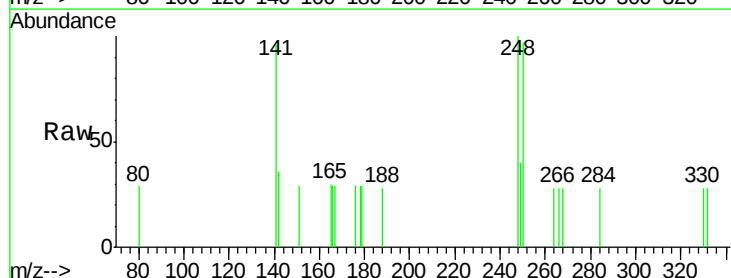
Tgt Ion:248 Resp: 192

Ion Ratio Lower Upper

248 100

250 96.8 62.7 94.1#

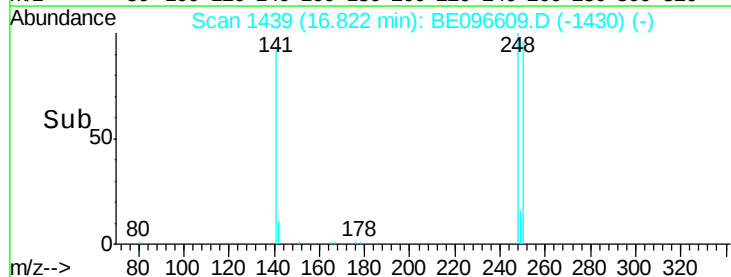
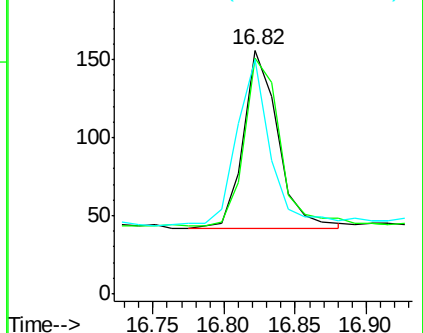
141 96.2 48.2 72.2#

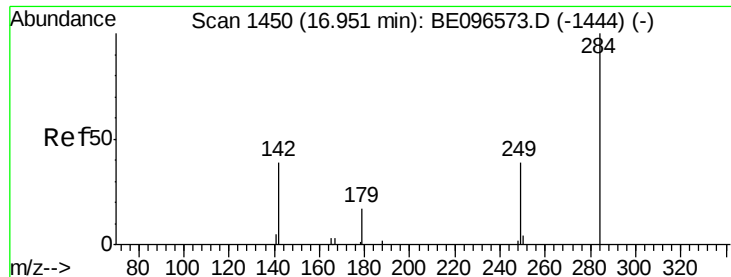


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.10 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

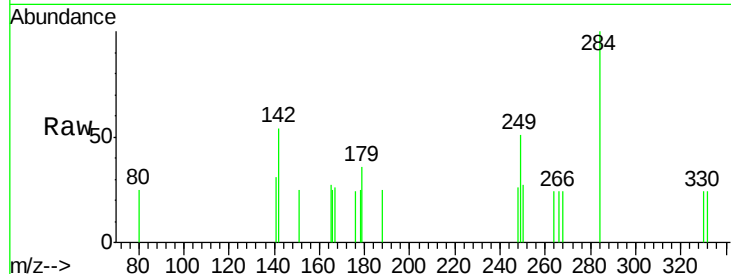
Tgt Ion:284 Resp: 217

Ion Ratio Lower Upper

284 100

142 42.4 22.1 33.1#

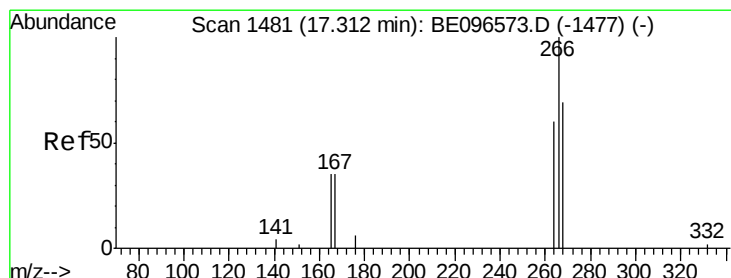
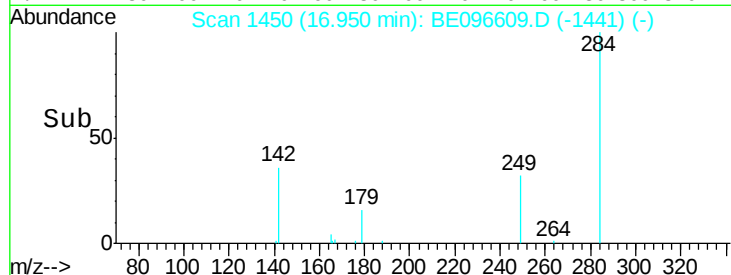
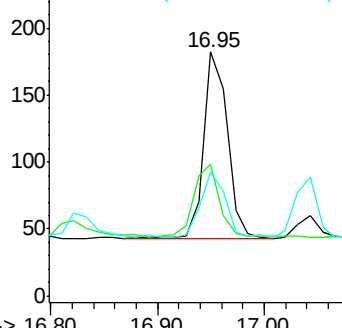
249 36.9 34.8 52.2



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: 0.21 ng

RT: 17.32 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

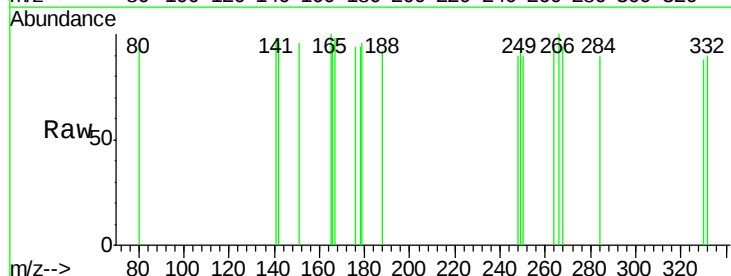
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 93.8 72.5 108.7

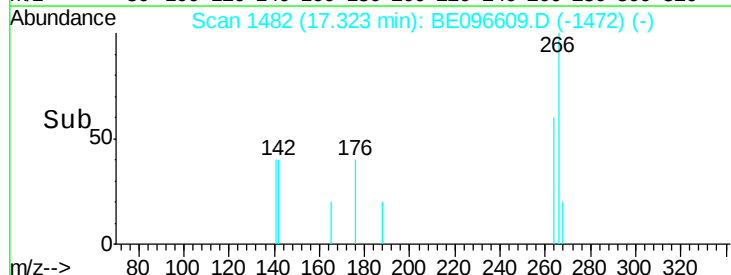
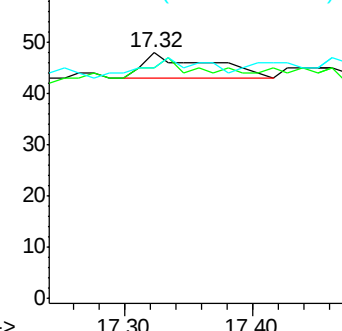
268 93.8 73.8 110.6

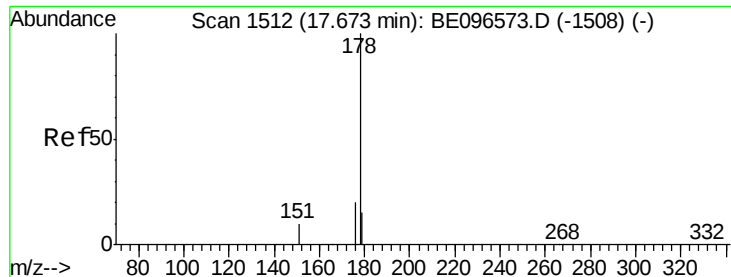


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.09 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

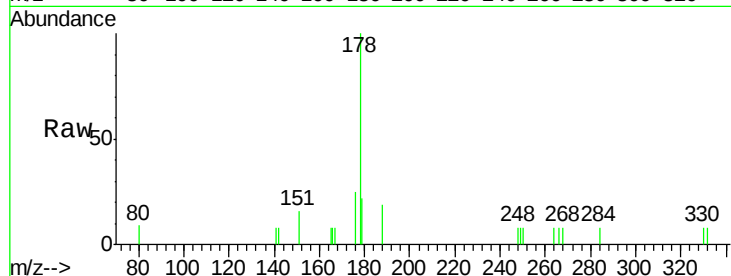
Tgt Ion:178 Resp: 903

Ion Ratio Lower Upper

178 100

176 17.9 15.1 22.7

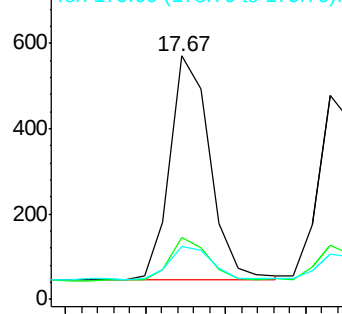
179 15.8 11.8 17.6



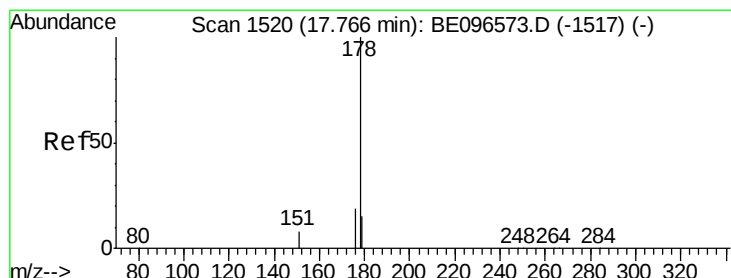
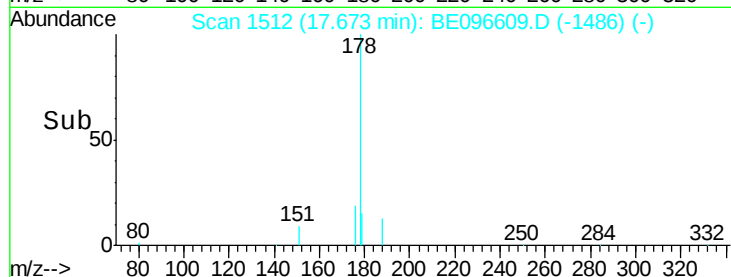
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.08 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

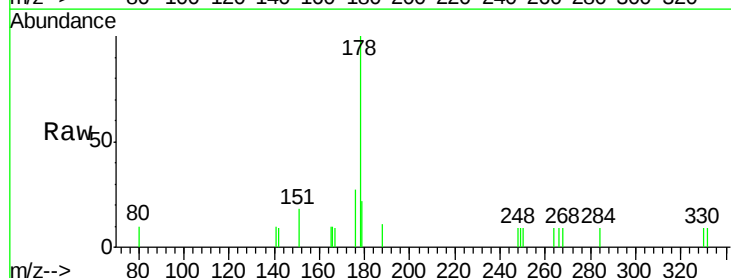
Tgt Ion:178 Resp: 762

Ion Ratio Lower Upper

178 100

176 17.8 12.8 19.2

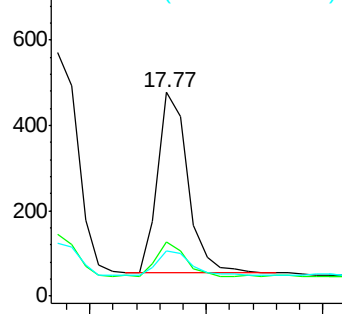
179 15.6 13.0 19.6



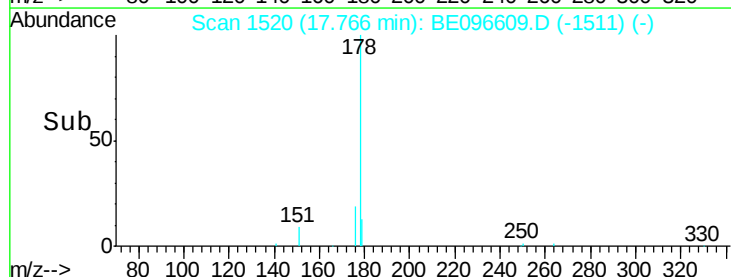
Abundance Ion 178.00 (177.70 to 178.70): E

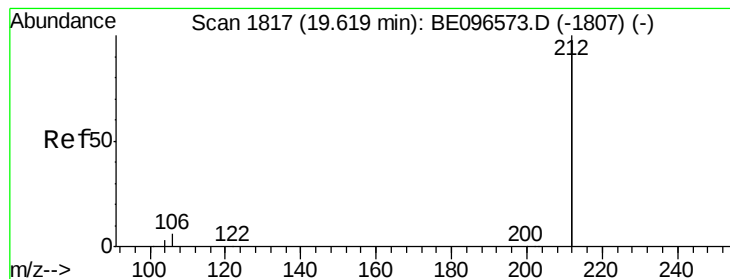
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.36 ng

RT: 19.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

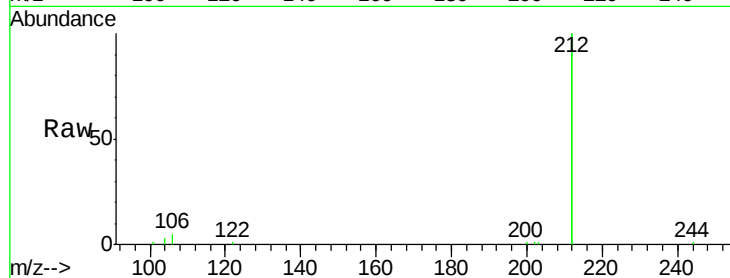
Tgt Ion:212 Resp: 15902

Ion Ratio Lower Upper

212 100

106 2.7 2.8 4.2#

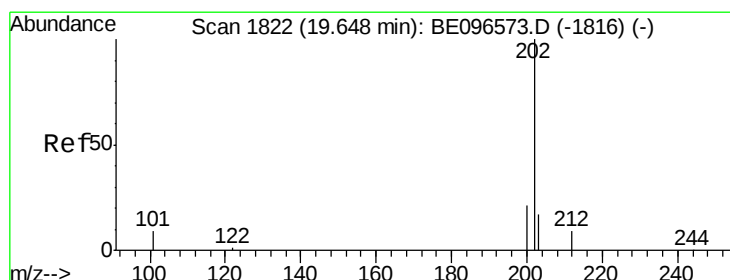
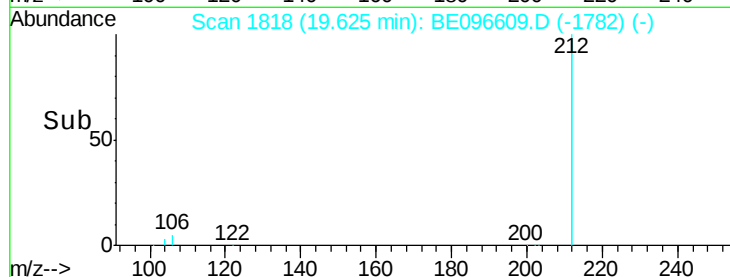
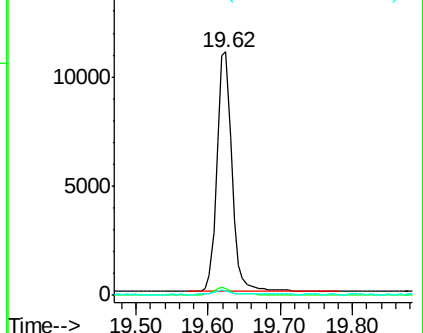
104 1.6 1.6 2.4



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: 0.09 ng

RT: 19.65 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

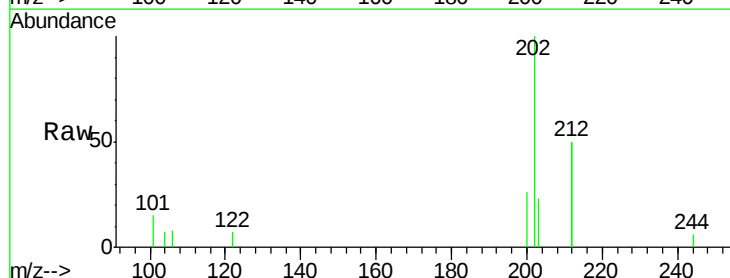
Tgt Ion:202 Resp: 1063

Ion Ratio Lower Upper

202 100

101 9.2 9.8 14.8#

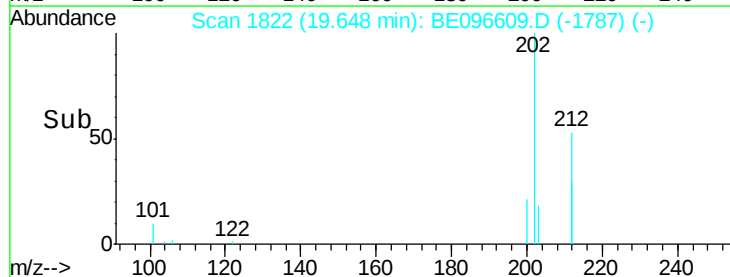
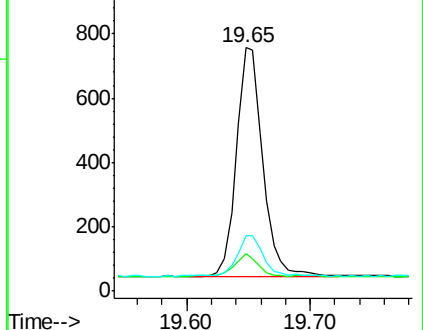
203 17.9 13.7 20.5



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: 0.40 ng

RT: 21.73 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

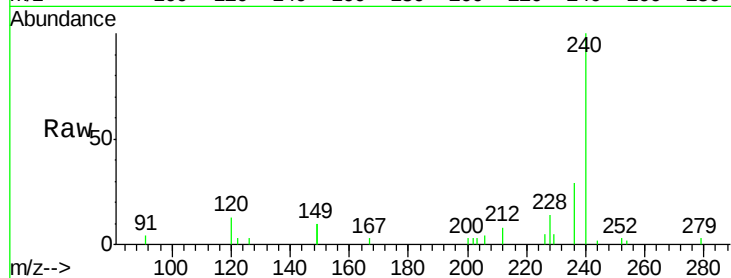
Tgt Ion:240 Resp: 3285

Ion Ratio Lower Upper

240 100

120 13.1 5.5 8.3#

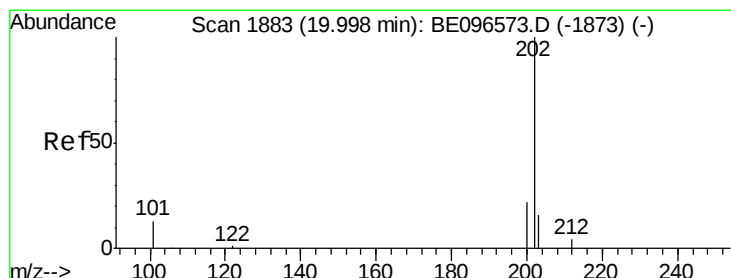
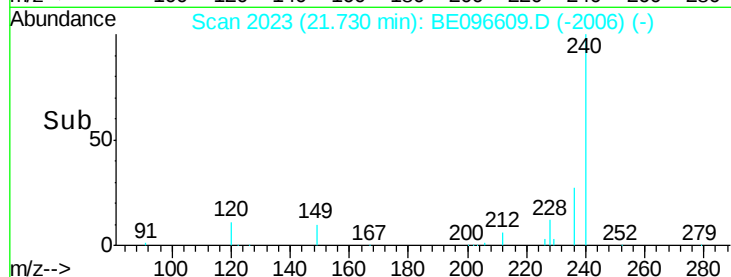
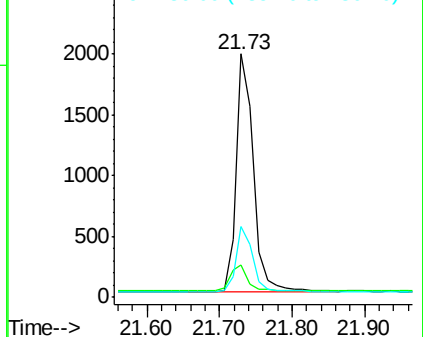
236 28.9 20.7 31.1



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: 0.08 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

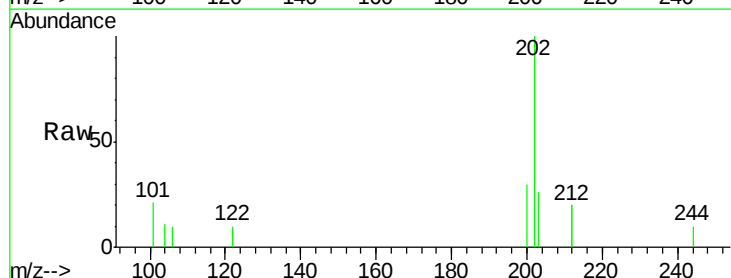
Tgt Ion:202 Resp: 469

Ion Ratio Lower Upper

202 100

200 23.0 16.6 25.0

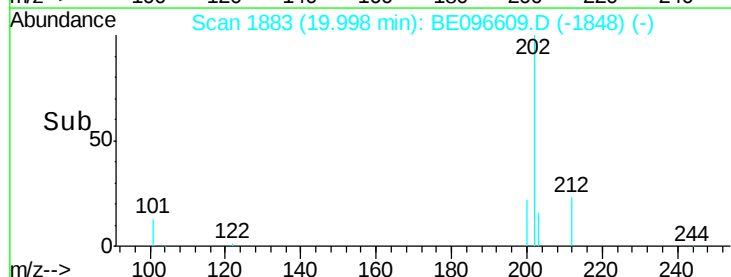
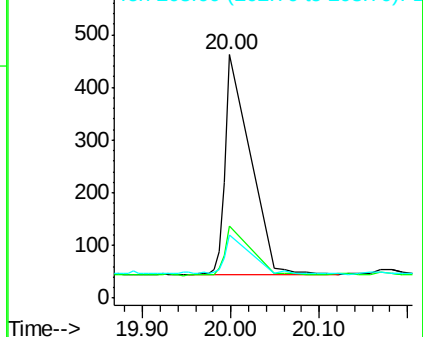
203 20.0 13.8 20.8



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: 0.34 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

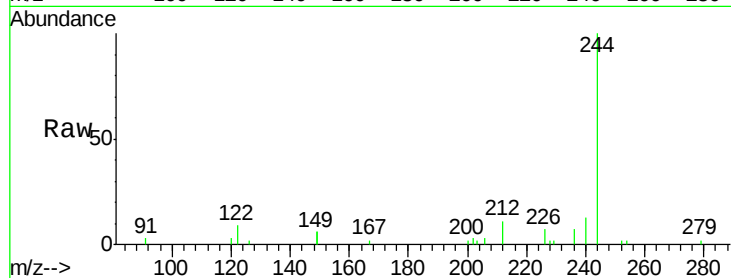
Tgt Ion:244 Resp: 2508

Ion Ratio Lower Upper

244 100

212 11.3 25.4 38.0#

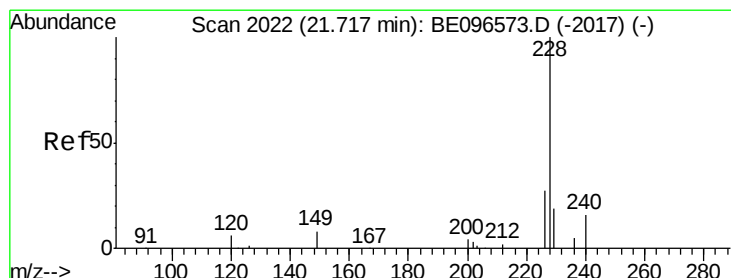
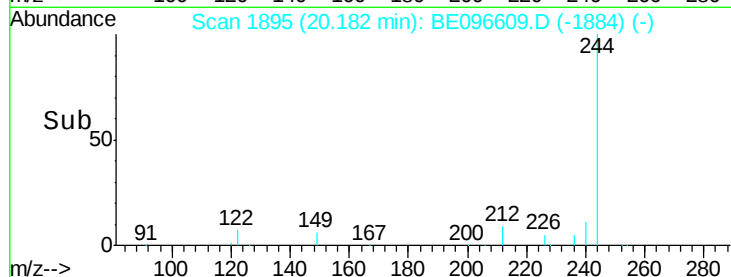
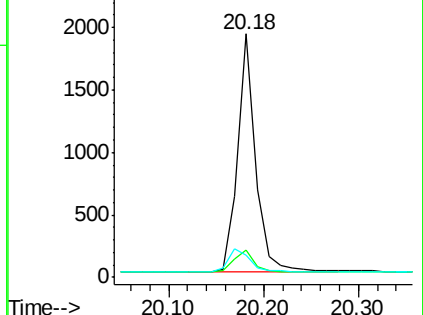
122 9.2 8.1 12.1



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: 0.09 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

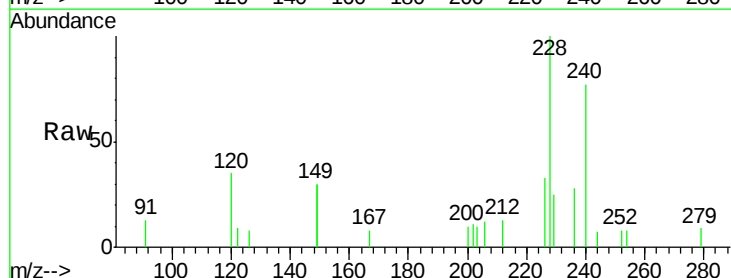
Tgt Ion:228 Resp: 891

Ion Ratio Lower Upper

228 100

226 33.1 24.0 36.0

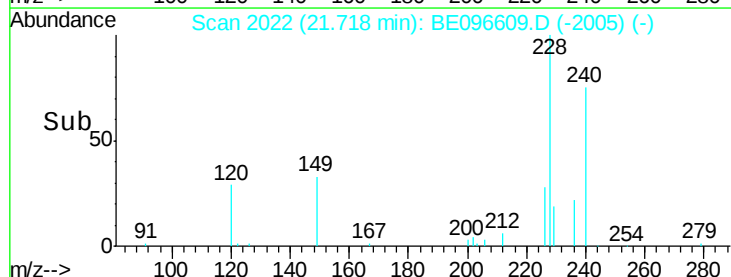
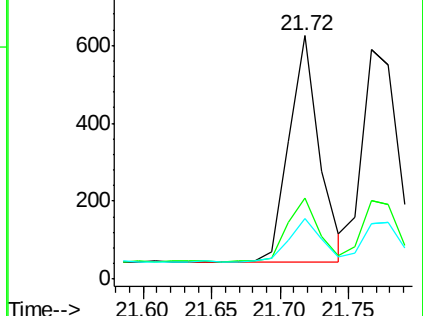
229 25.0 16.0 24.0#

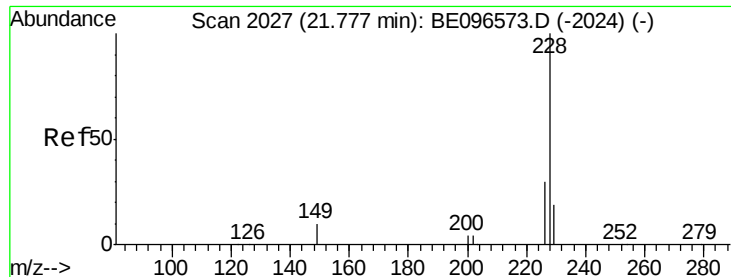


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.09 ng

RT: 21.77 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

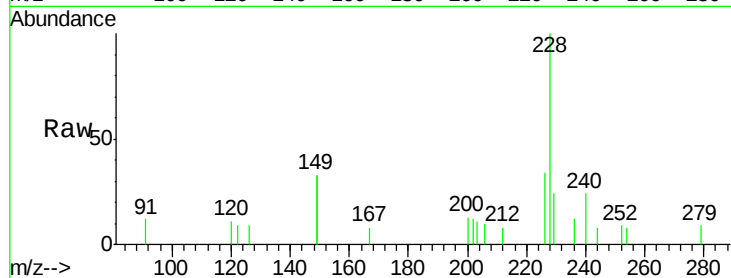
Tgt Ion:228 Resp: 978

Ion Ratio Lower Upper

228 100

226 33.9 24.0 36.0

229 24.2 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

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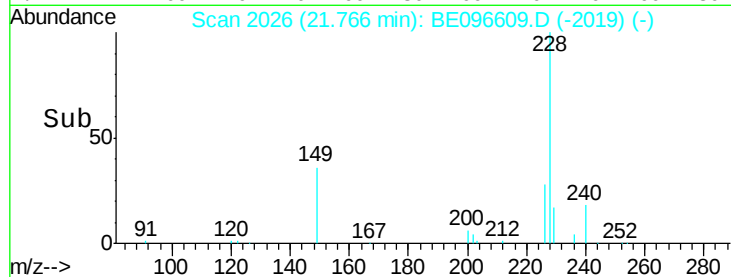
21.77

21.77

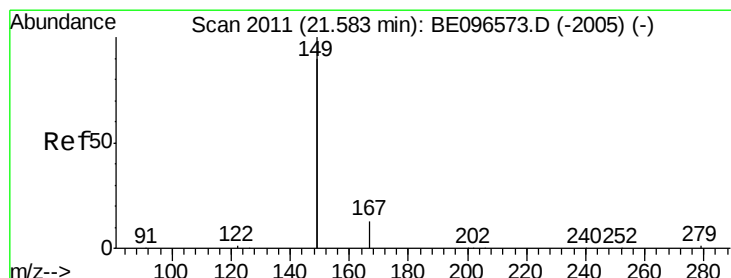
21.77

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21.77



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

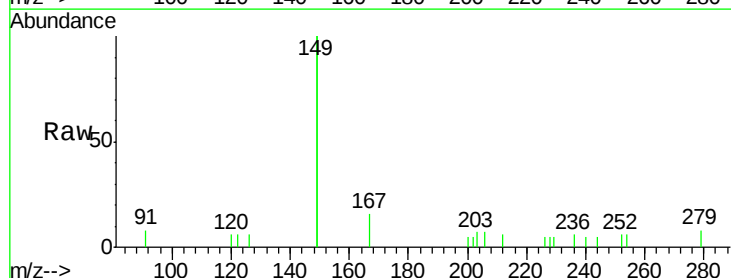
Tgt Ion:149 Resp: 1754

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

279 1.3 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

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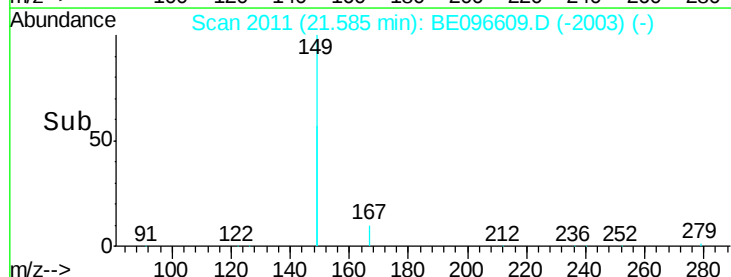
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Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng

RT: 27.11 min Scan# 3468

Delta R.T. 0.01 min

Lab File: BE096609.D

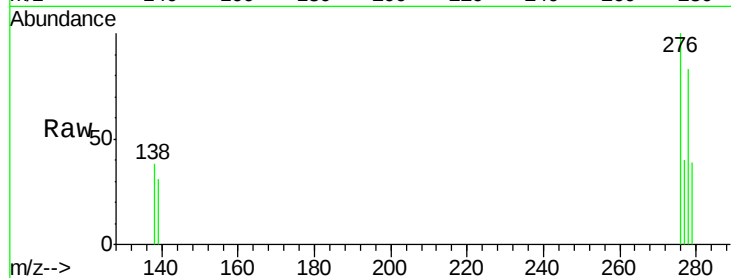
Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4



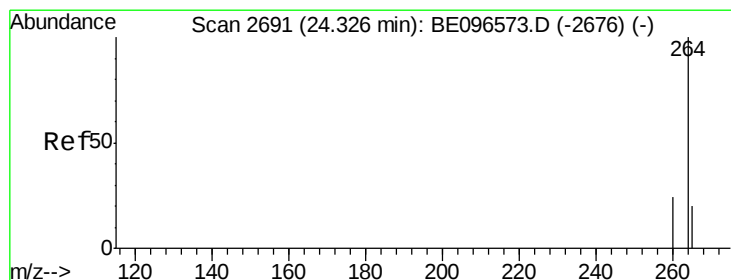
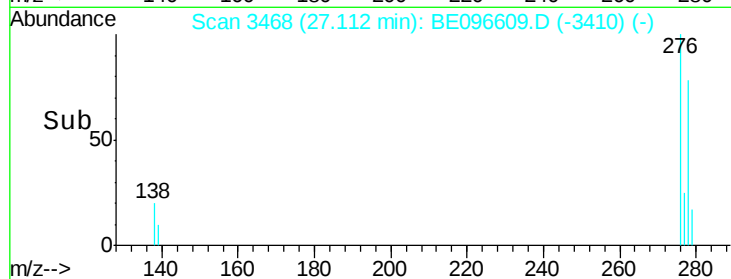
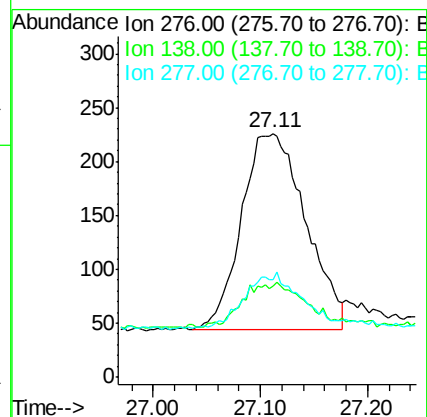
Tgt Ion:276 Resp: 753

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

277 11.7 19.9 29.9#



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

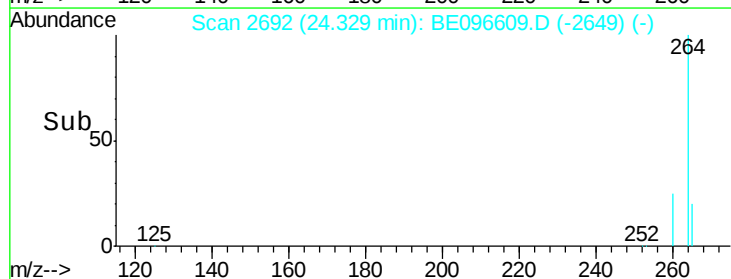
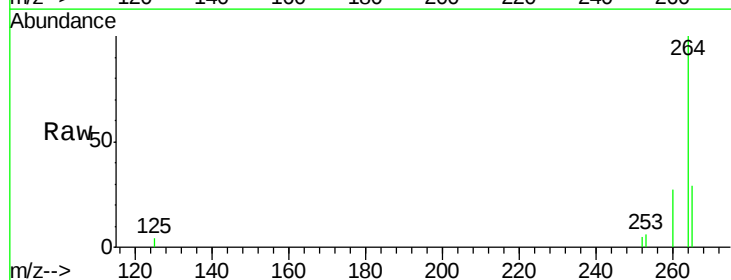
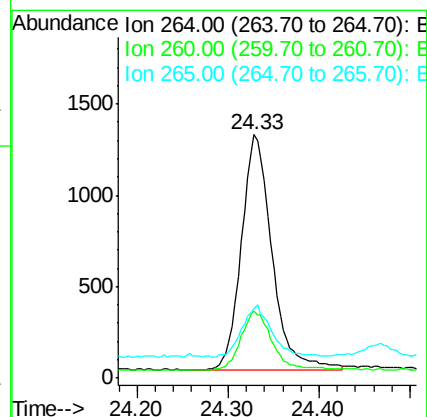
Tgt Ion:264 Resp: 2999

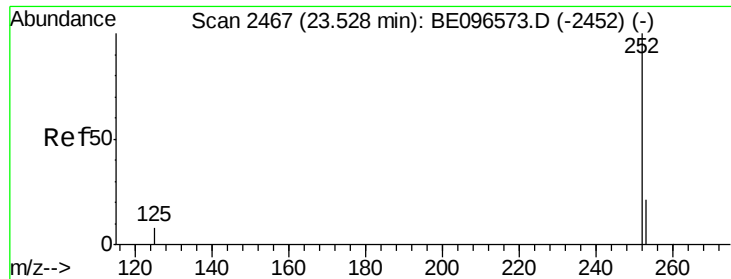
Ion Ratio Lower Upper

264 100

260 27.4 20.5 30.7

265 28.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 23.52 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

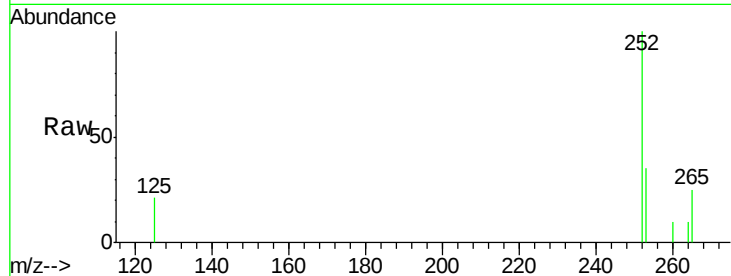
Tgt Ion:252 Resp: 834

Ion Ratio Lower Upper

252 100

253 35.4 20.0 30.0#

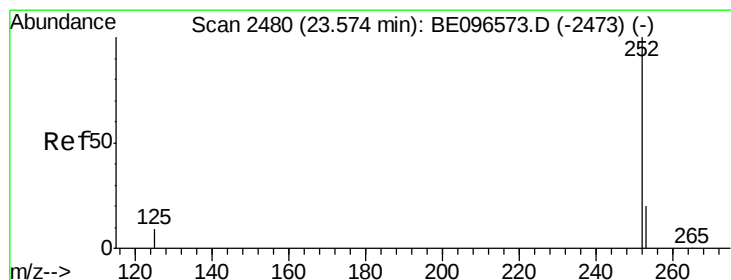
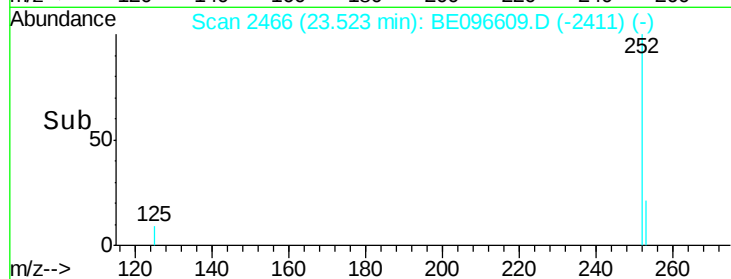
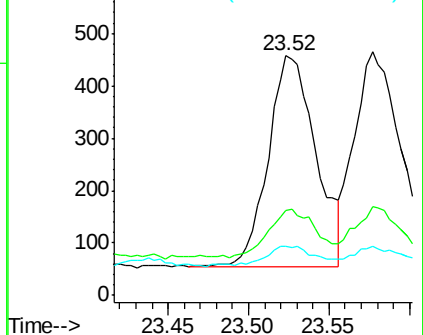
125 20.6 16.0 24.0



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: 0.09 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

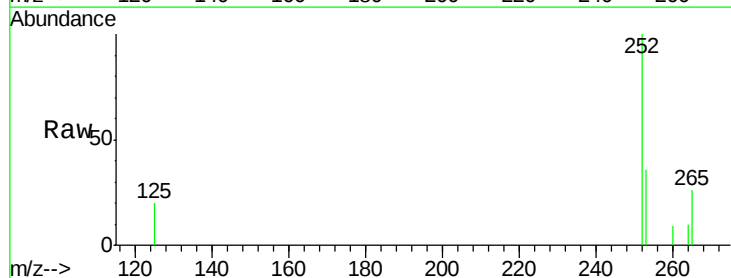
Tgt Ion:252 Resp: 851

Ion Ratio Lower Upper

252 100

253 36.3 16.0 24.0#

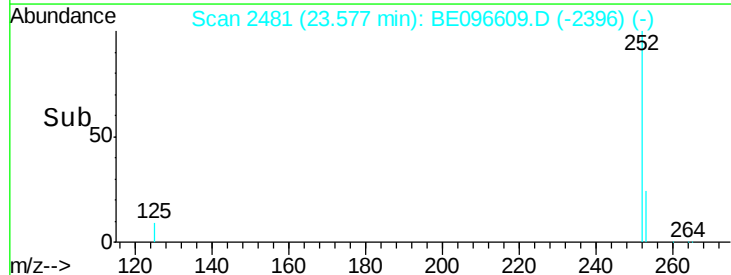
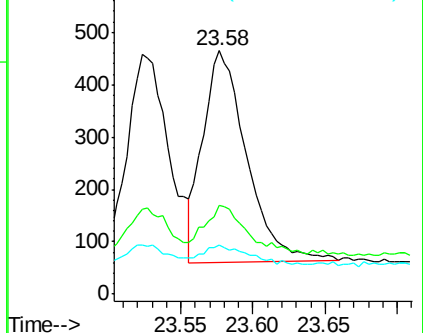
125 20.0 8.0 12.0#

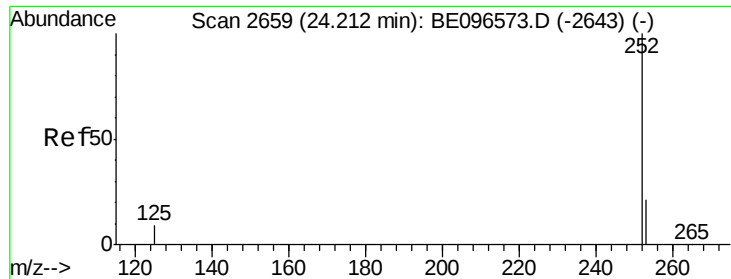


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.08 ng

RT: 24.21 min Scan# 2660

Delta R.T. 0.00 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4

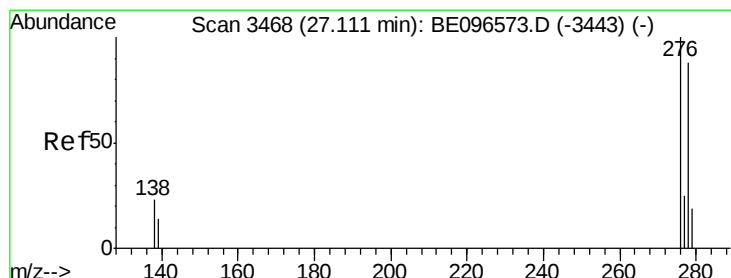
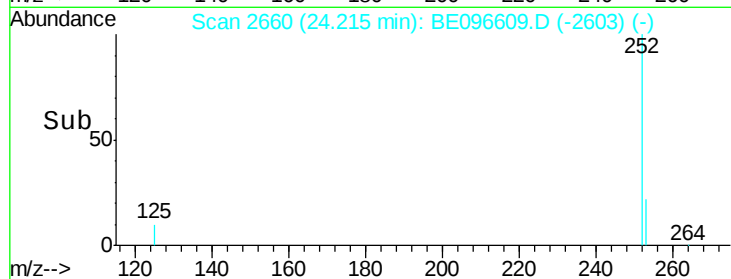
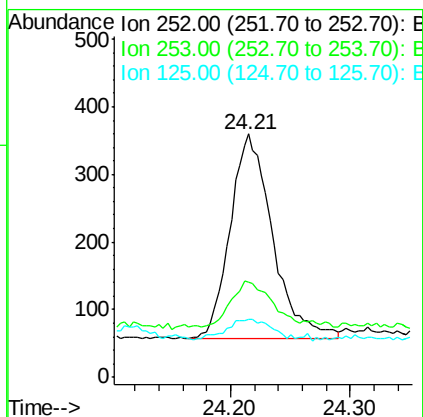
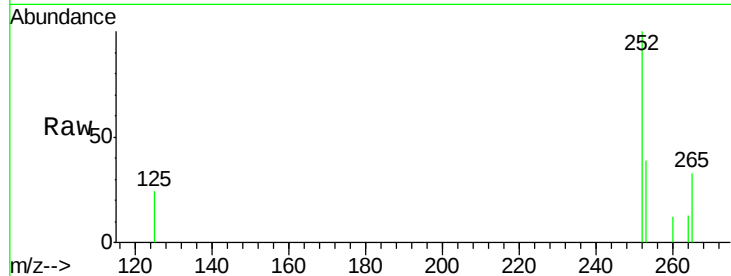
Tgt Ion: 252 Resp: 738

Ion Ratio Lower Upper

252 100

253 39.2 16.0 24.0#

125 23.6 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 27.12 min Scan# 3470

Delta R.T. 0.01 min

Lab File: BE096609.D

Acq: 17 May 2018 14:46

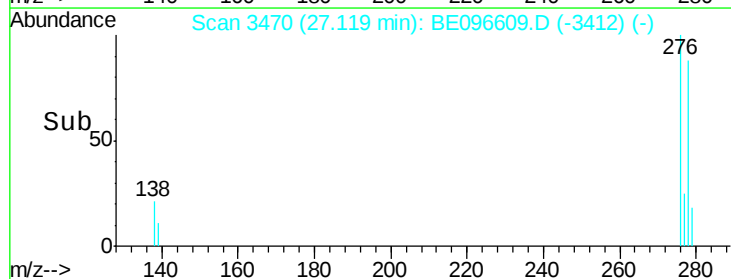
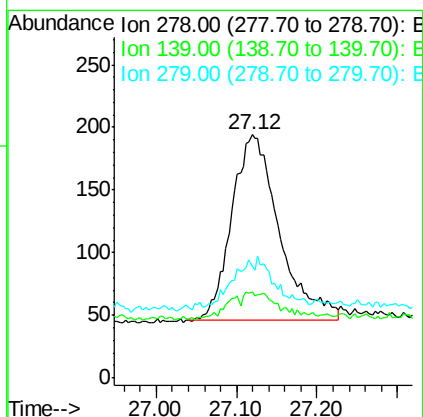
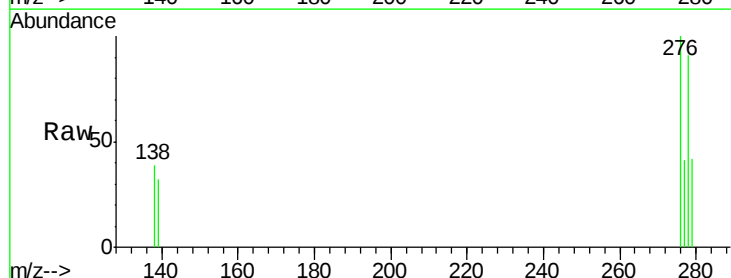
Tgt Ion: 278 Resp: 608

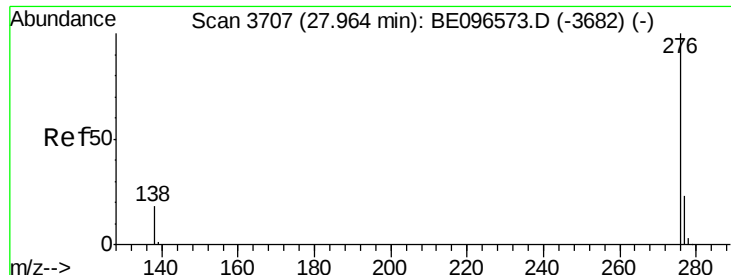
Ion Ratio Lower Upper

278 100

139 35.6 16.0 24.0#

279 45.9 20.0 30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.09 ng

RT: 27.97 min Scan# 3709

Delta R.T. 0.01 min

Lab File: BE096609.D

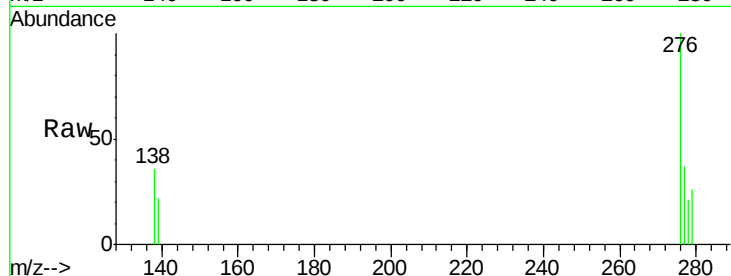
Acq: 17 May 2018 14:46

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-4



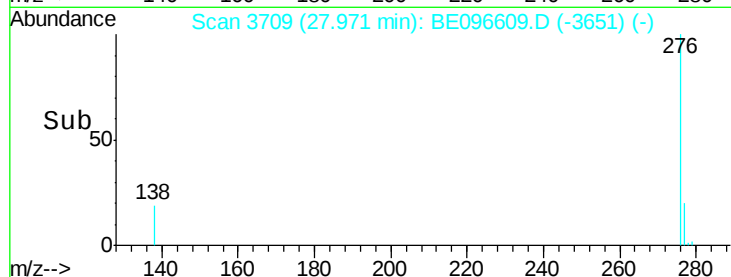
Tgt Ion: 276 Resp: 741

Ion Ratio Lower Upper

276 100

277 36.6 16.0 24.0#

138 35.7 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

