

Data File : BE096606.D
Acq On : 17 May 2018 12:59
Operator : SJ/JU
Sample : J2923-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-1

Quant Time: May 18 05:12:23 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	637	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2658	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1575	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3654	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3380	0.40	ng	0.00
34) Perylene-d12	24.33	264	3088	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	533	0.30	ng	0.00
5) Phenol-d6	7.50	99	706	0.28	ng	0.00
8) Nitrobenzene-d5	9.53	82	987	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1610	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	148	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2355	0.35	ng	0.00
25) Fluoranthene-d10	19.62	212	15979	0.36	ng	0.00
29) Terphenyl-d14	20.18	244	2516	0.33	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.59	88	100	0.10	ng	97
3) n-Nitrosodimethylamine	3.98	42	75	0.06	ng	# 74
6) bis(2-Chloroethyl)ether	7.75	93	198	0.09	ng	98
9) Naphthalene	11.22	128	2577	0.09	ng	# 93
10) Hexachlorobutadiene	11.49	225	126	0.08	ng	# 88
12) 2-Methylnaphthalene	12.79	142	428	0.09	ng	# 92
16) Acenaphthylene	14.66	152	697	0.08	ng	97
17) Acenaphthene	14.99	154	440	0.09	ng	92
18) Fluorene	15.96	166	550	0.09	ng	# 78
20) 4-Bromophenyl-phenylether	16.82	248	180	0.08	ng	# 60
21) Hexachlorobenzene	16.95	284	210	0.09	ng	# 83
22) Pentachlorophenol	17.32	266	22	0.21	ng	95
23) Phenanthrene	17.68	178	891	0.09	ng	99
24) Anthracene	17.76	178	785	0.08	ng	96
26) Fluoranthene	19.65	202	1048	0.09	ng	98
28) Pyrene	20.00	202	480	0.08	ng	# 94
30) Benzo(a)anthracene	21.72	228	900	0.09	ng	94
31) Chrysene	21.72	228	549	0.05	ng	94
32) Bis(2-ethylhexyl)phthalate	21.58	149	1803	0.08	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.11	276	818	0.08	ng	94
35) Benzo(b)fluoranthene	23.53	252	821	0.09	ng	# 88
36) Benzo(k)fluoranthene	23.58	252	879	0.09	ng	# 71
37) Benzo(a)pyrene	24.21	252	758	0.08	ng	# 68
38) Dibenzo(a,h)anthracene	27.12	278	657	0.08	ng	# 62
39) Benzo(g,h,i)perylene	27.96	276	702	0.08	ng	# 75

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

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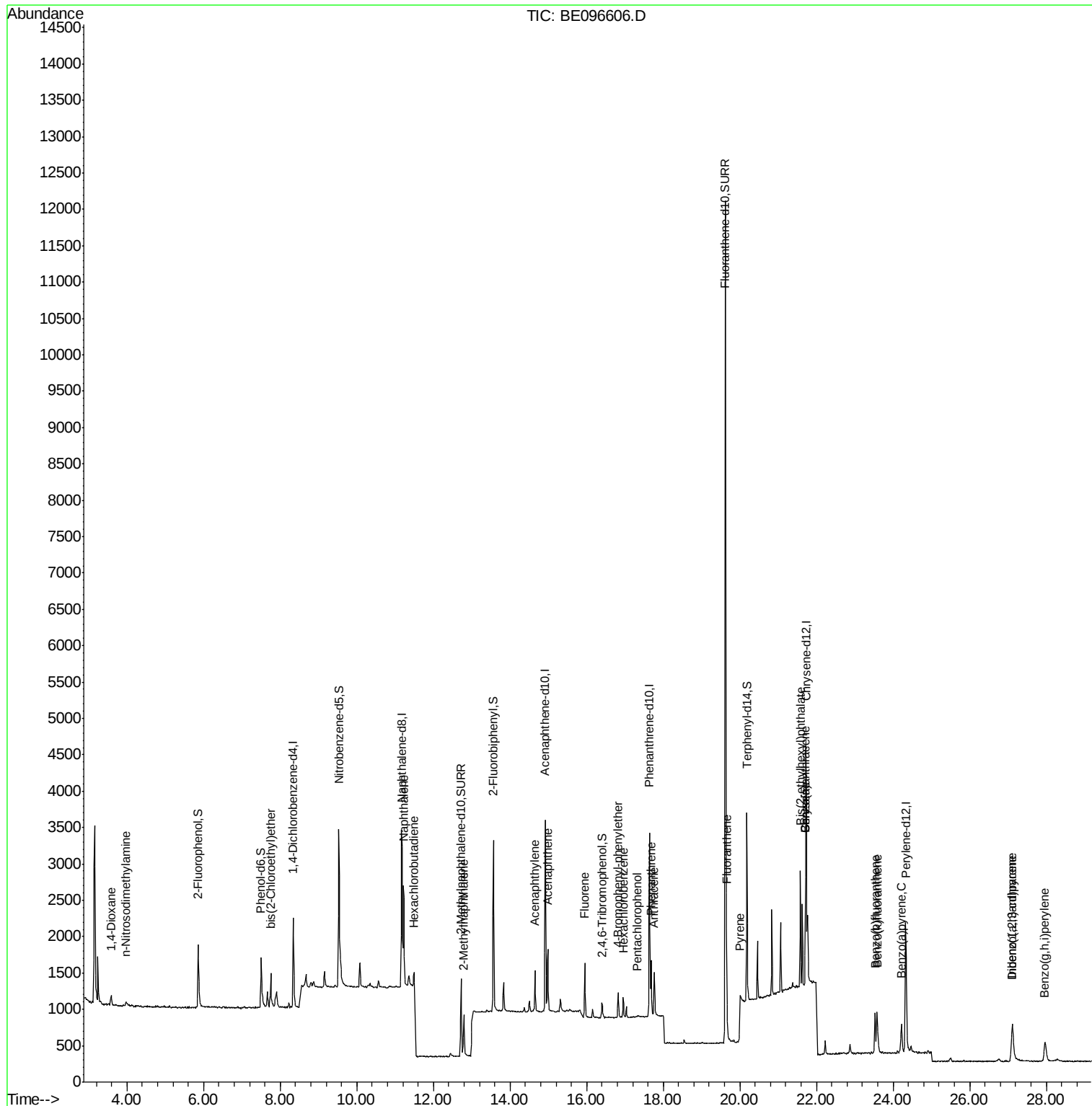
Quant Time: May 18 05:12:23 2018

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





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.34 min Scan# 560

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

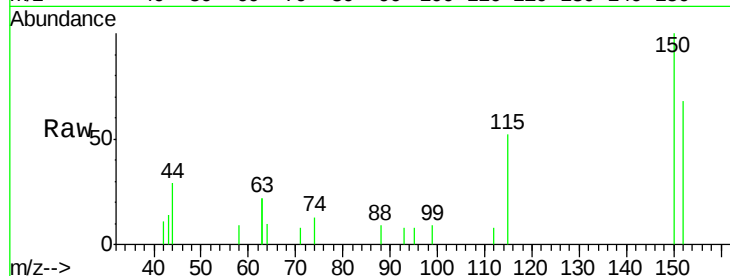
Tgt Ion:152 Resp: 637

Ion Ratio Lower Upper

152 100

150 147.9 117.2 175.8

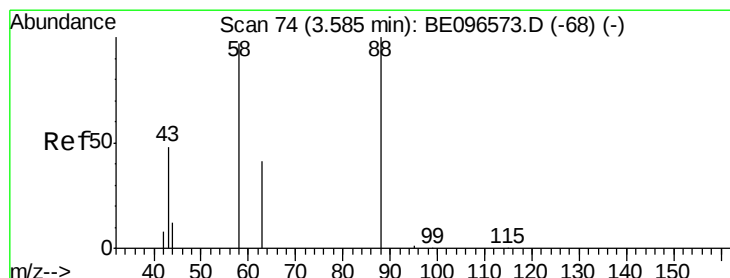
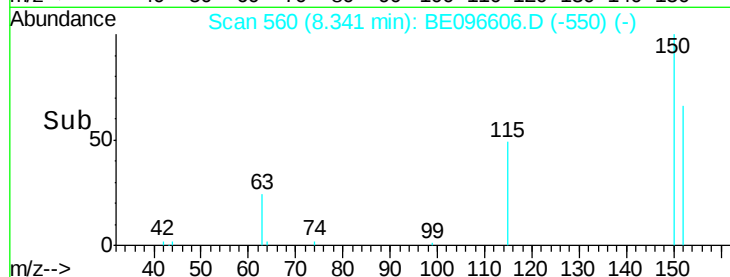
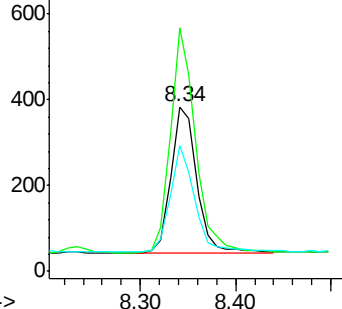
115 76.8 57.0 85.6



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: 0.10 ng

RT: 3.59 min Scan# 74

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

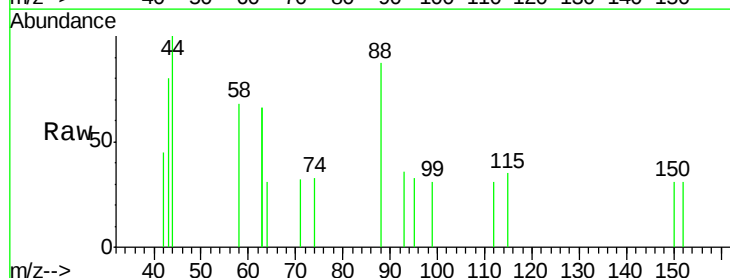
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

58 82.0 63.2 94.8

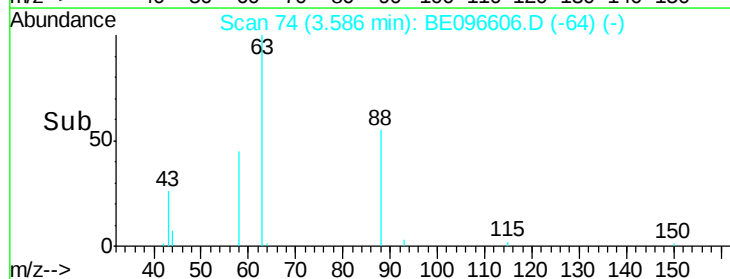
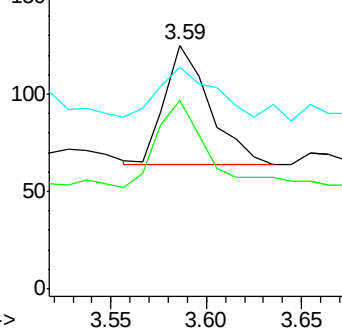
43 50.0 41.2 61.8



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: 0.06 ng

RT: 3.98 min Scan# 114

Delta R.T. 0.03 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

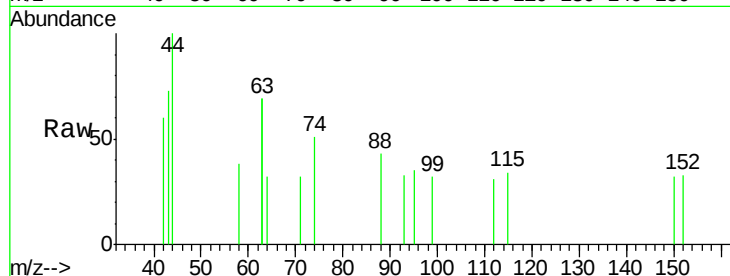
Tgt Ion: 42 Resp: 75

Ion Ratio Lower Upper

42 100

74 88.0 96.0 144.0#

44 16.0 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

200

150

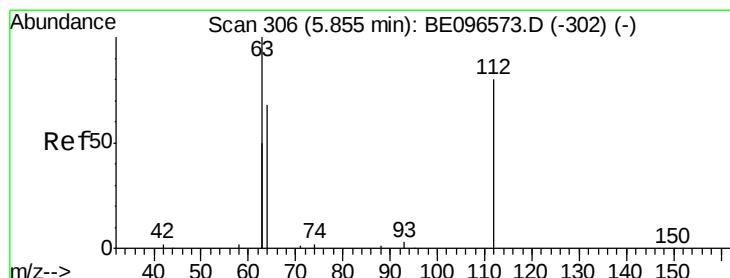
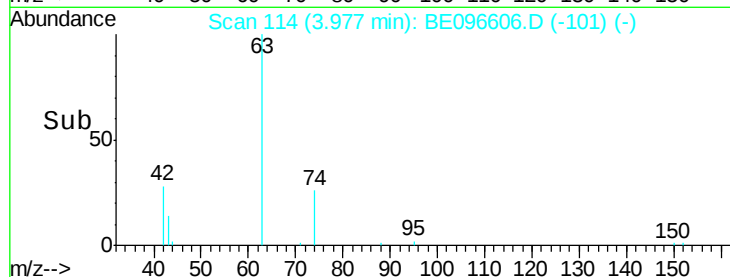
100

50

0

3.90 3.95 4.00

Time-->



#4

2-Fluorophenol

Concen: 0.30 ng

RT: 5.86 min Scan# 306

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

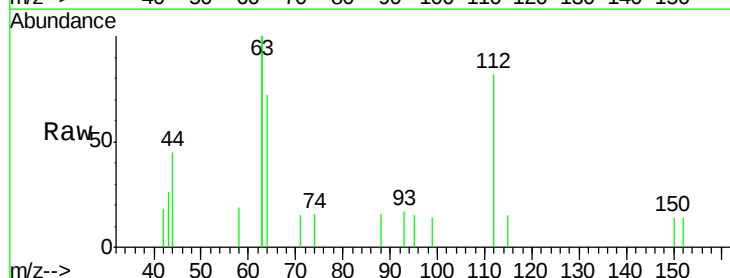
Tgt Ion: 112 Resp: 533

Ion Ratio Lower Upper

112 100

64 76.7 60.1 90.1

63 178.6 116.8 175.2#



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

800

600

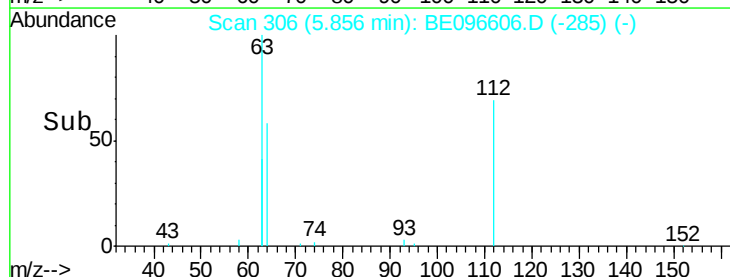
400

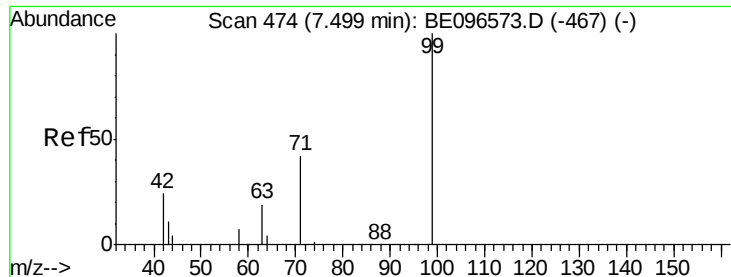
200

0

5.70 5.80 5.90 6.00

Time-->





#5

Phenol-d6

Concen: 0.28 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

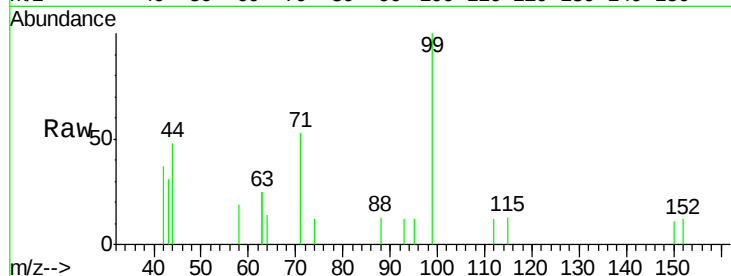
Tgt Ion: 99 Resp: 706

Ion Ratio Lower Upper

99 100

42 27.8 20.2 30.2

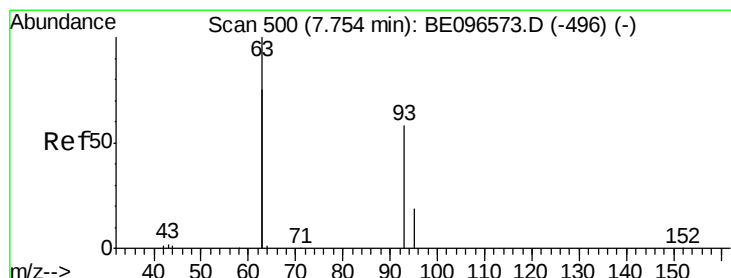
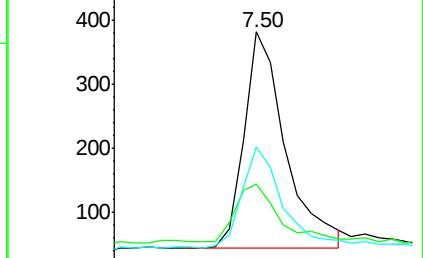
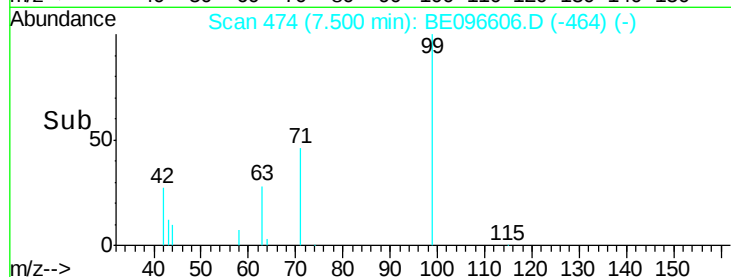
71 45.2 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.75 min Scan# 500

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

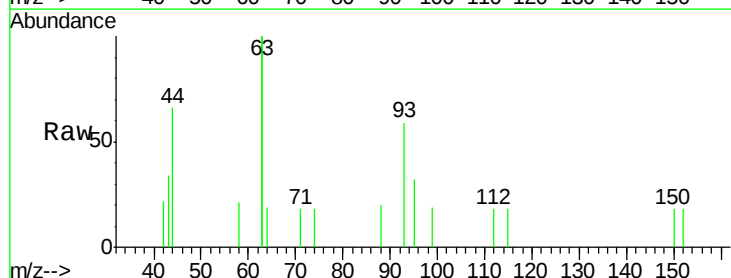
Tgt Ion: 93 Resp: 198

Ion Ratio Lower Upper

93 100

63 341.9 275.3 412.9

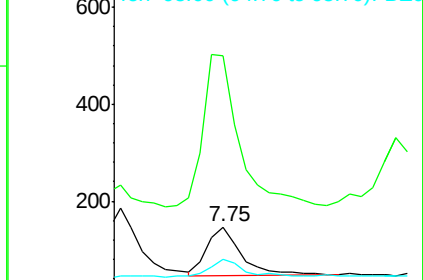
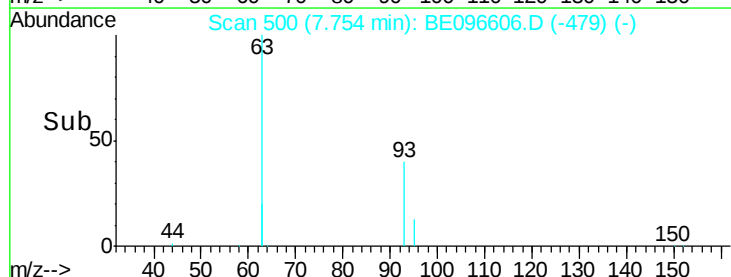
95 37.4 25.2 37.8

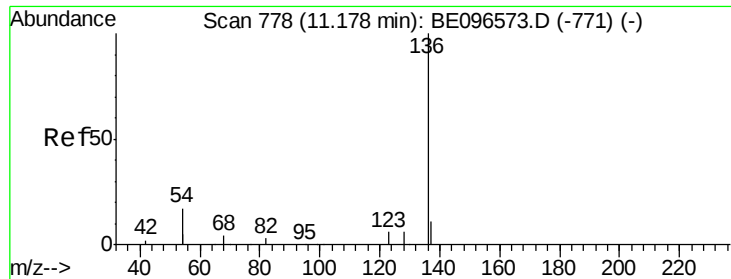


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

Tgt Ion: 136 Resp: 2658

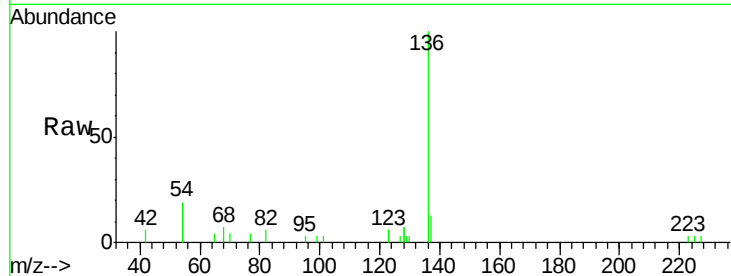
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 37.9 29.1 43.7

68 7.3 6.2 9.2

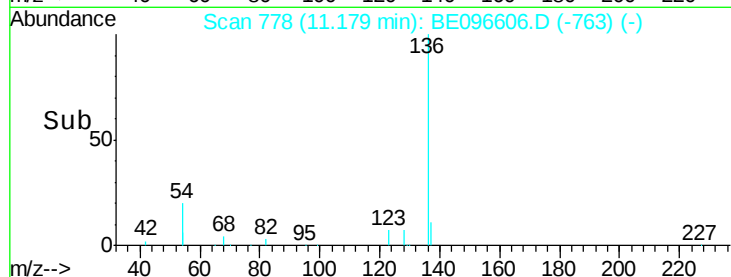


Abundance Ion 136.00 (135.70 to 136.70): E

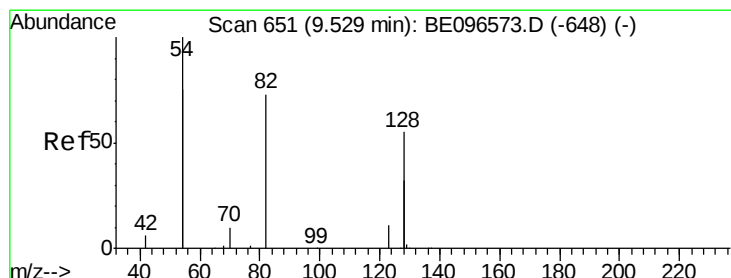
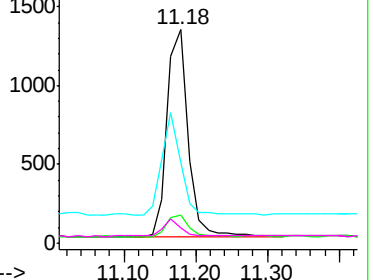
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.35 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

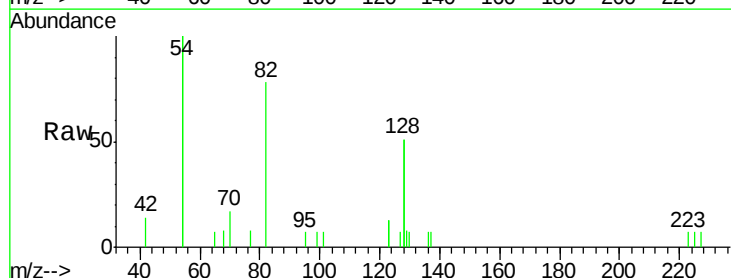
Tgt Ion: 82 Resp: 987

Ion Ratio Lower Upper

82 100

128 131.5 150.0 225.0#

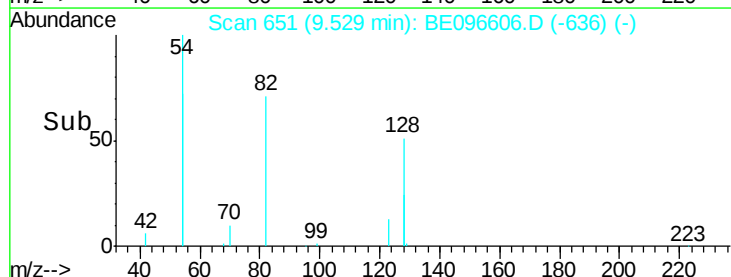
54 255.4 154.2 231.4#



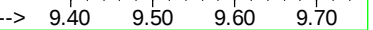
Abundance Ion 82.00 (81.70 to 82.70): BE0

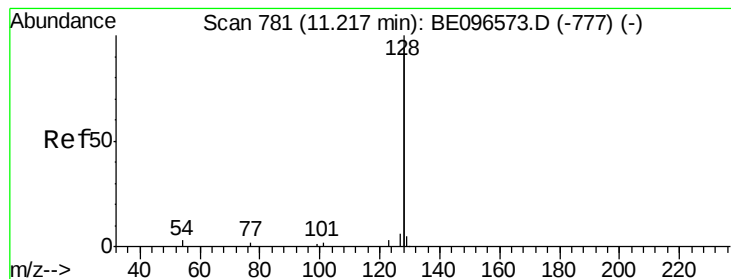
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Naphthalene

Concen: 0.09 ng

RT: 11.22 min Scan# 781

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

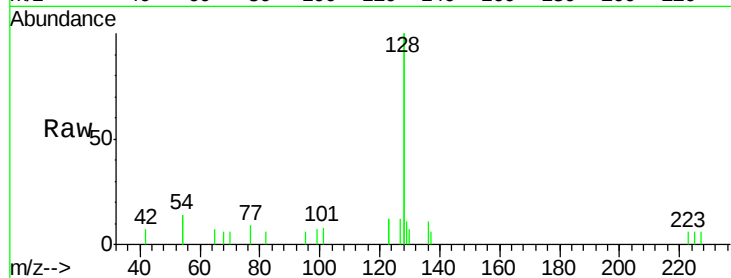
Tgt Ion:128 Resp: 2577

Ion Ratio Lower Upper

128 100

129 5.5 2.6 3.8#

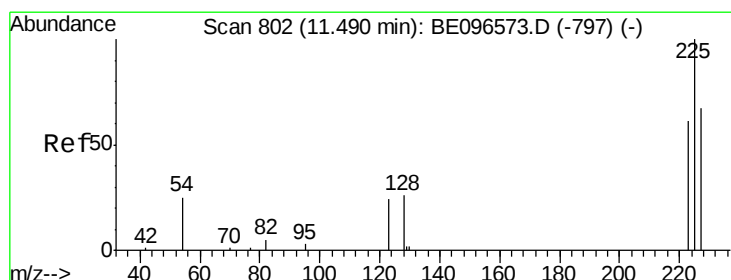
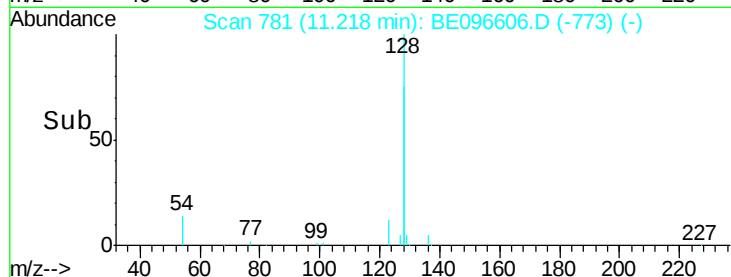
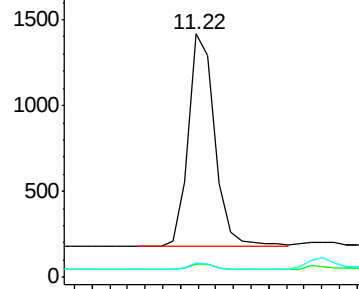
127 5.8 2.8 4.2#



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: 0.08 ng

RT: 11.49 min Scan# 802

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

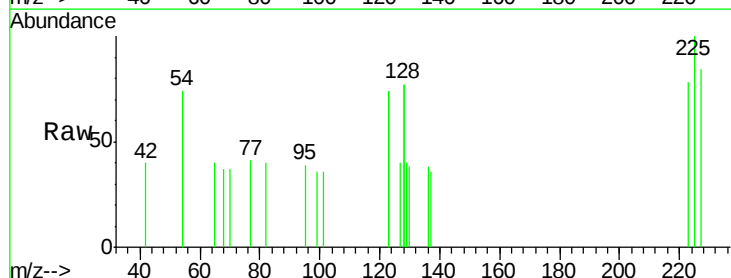
Tgt Ion:225 Resp: 126

Ion Ratio Lower Upper

225 100

223 70.6 53.0 79.6

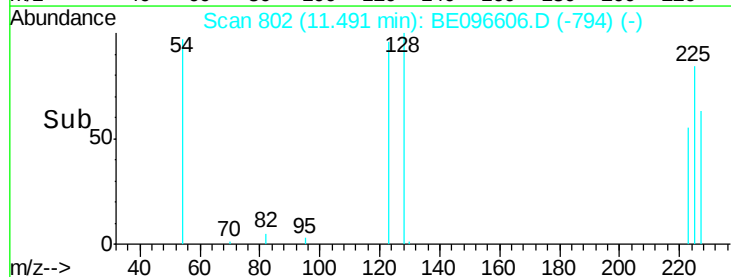
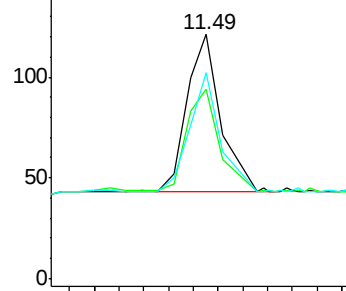
227 79.4 51.4 77.2#

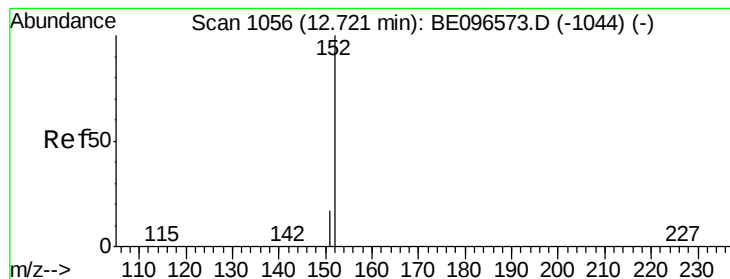


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

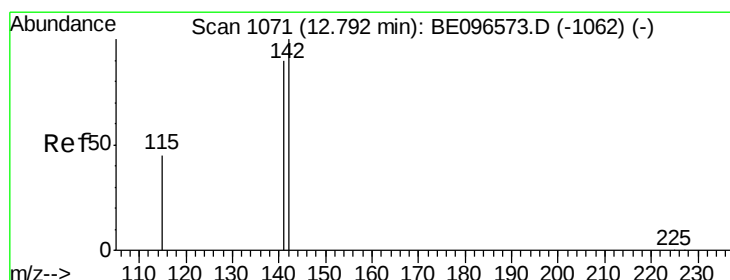
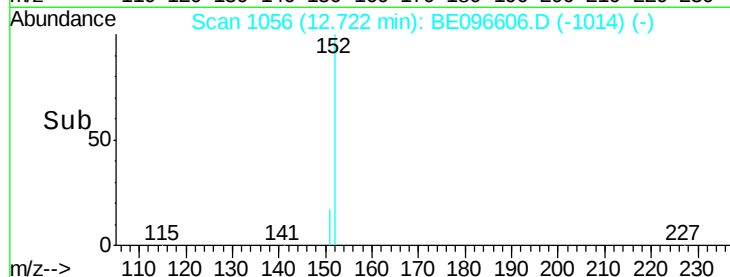
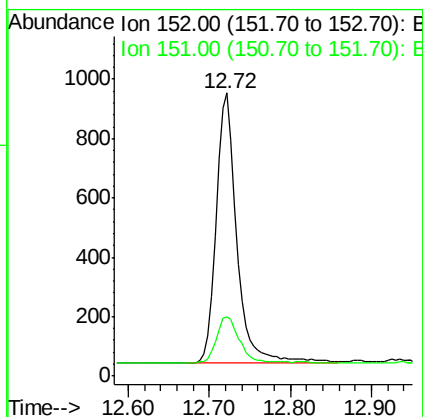
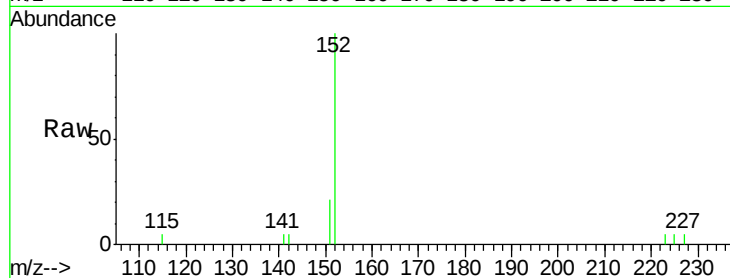




#11
 2-Methylnaphthalene-d10
 Concen: 0.37 ng
 RT: 12.72 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BE096606.D
 Acq: 17 May 2018 12:59

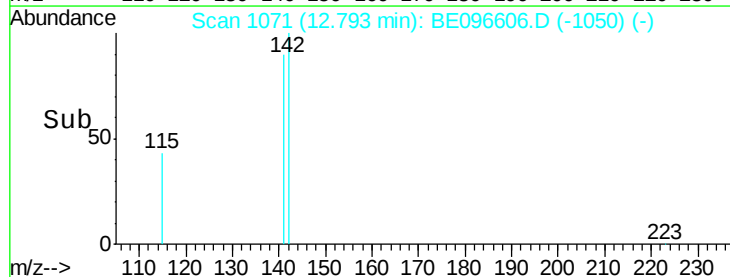
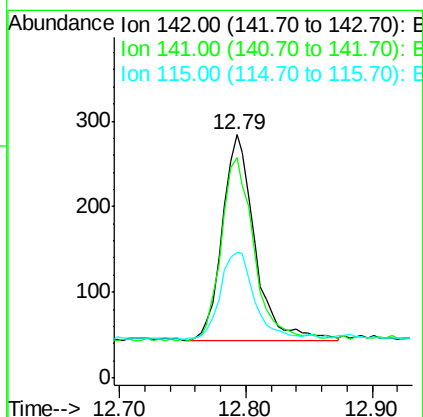
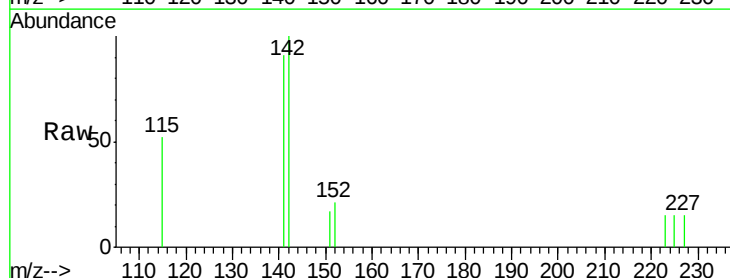
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SCM-Precision-Bias-1

Tgt Ion: 152 Resp: 1610
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.09 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. 0.00 min
 Lab File: BE096606.D
 Acq: 17 May 2018 12:59

Tgt Ion: 142 Resp: 428
 Ion Ratio Lower Upper
 142 100
 141 90.8 70.4 105.6
 115 51.8 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.92 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

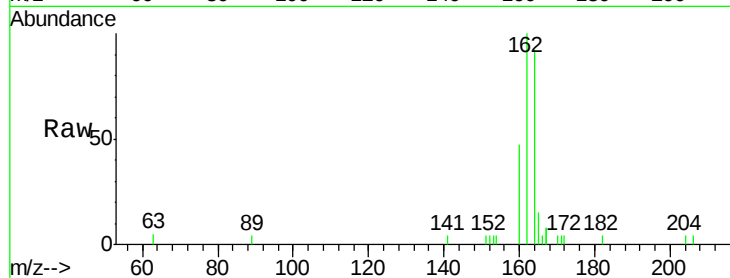
Tgt Ion:164 Resp: 1575

Ion Ratio Lower Upper

164 100

162 109.3 83.1 124.7

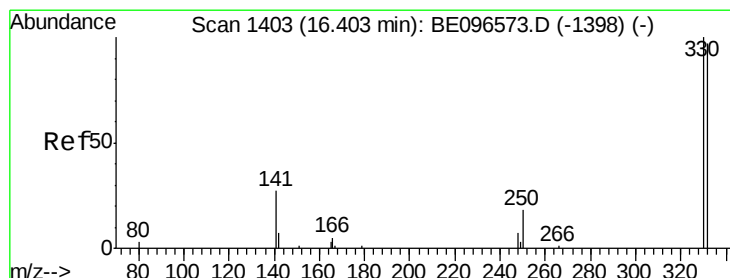
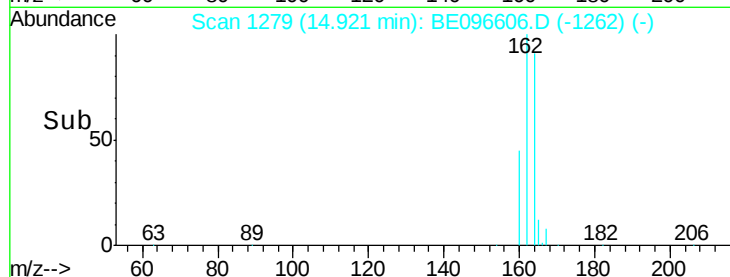
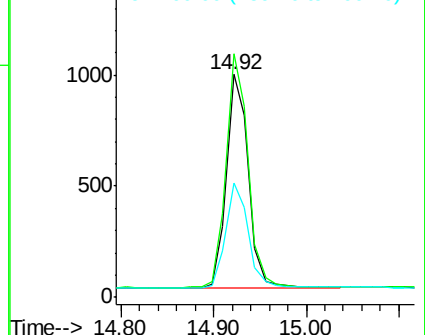
160 51.4 37.1 55.7



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: 0.24 ng

RT: 16.40 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

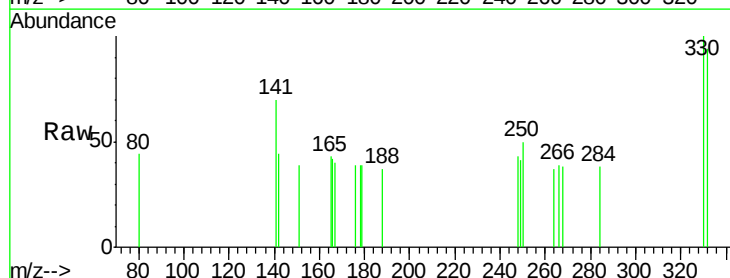
Tgt Ion:330 Resp: 148

Ion Ratio Lower Upper

330 100

332 95.3 152.7 229.1#

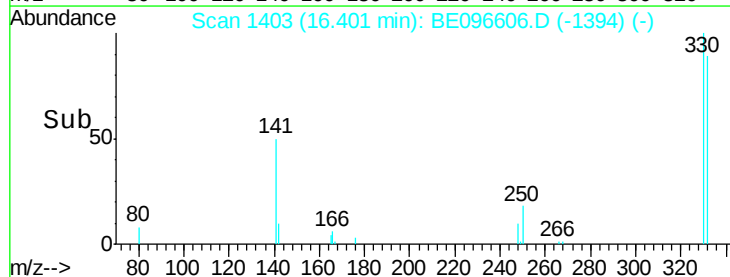
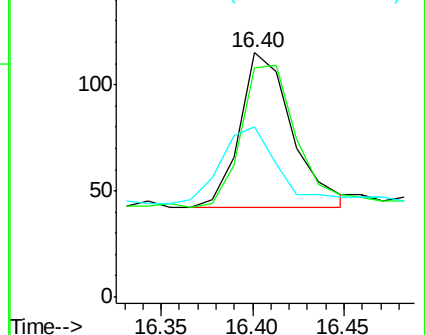
141 52.7 33.7 50.5#

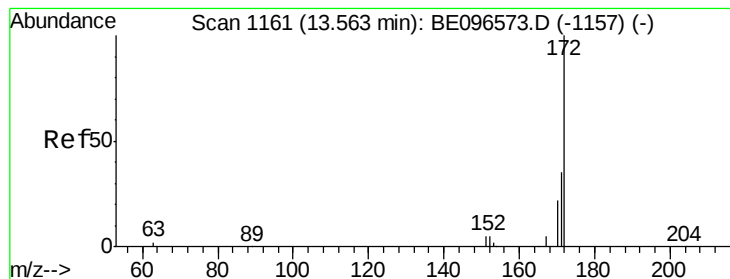


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.56 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

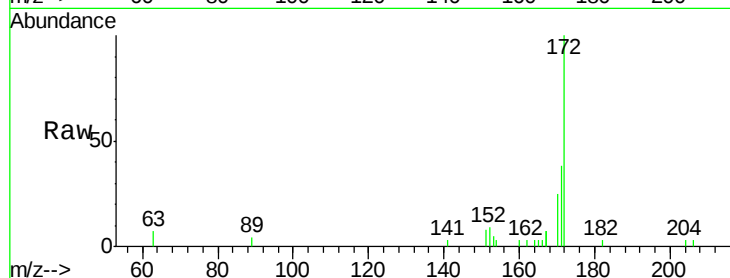
Tgt Ion:172 Resp: 2355

Ion Ratio Lower Upper

172 100

171 37.8 29.9 44.9

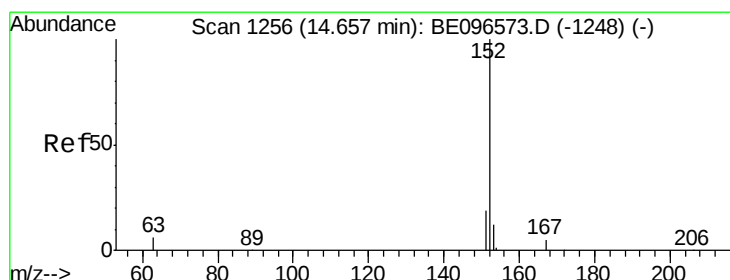
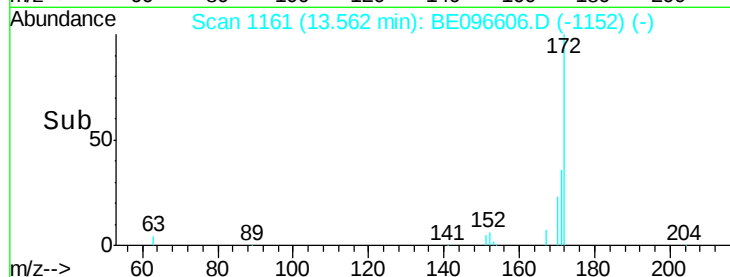
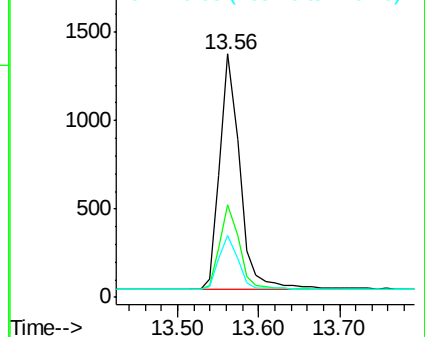
170 25.5 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.08 ng

RT: 14.66 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

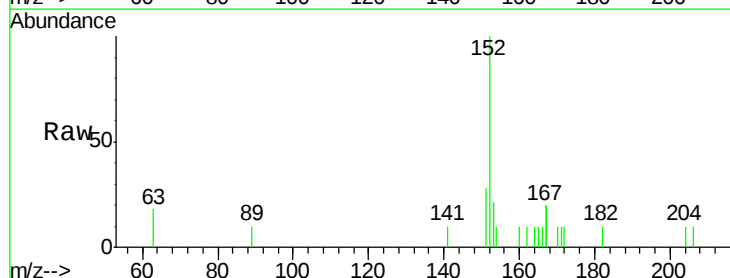
Tgt Ion:152 Resp: 697

Ion Ratio Lower Upper

152 100

151 21.4 15.7 23.5

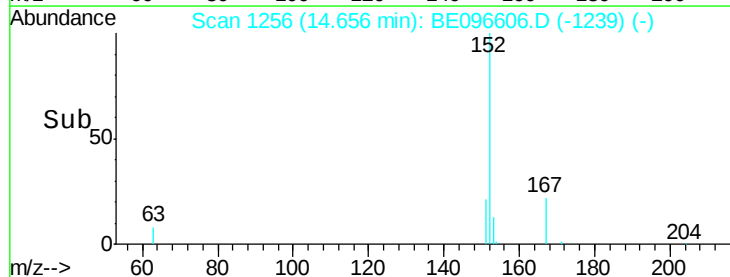
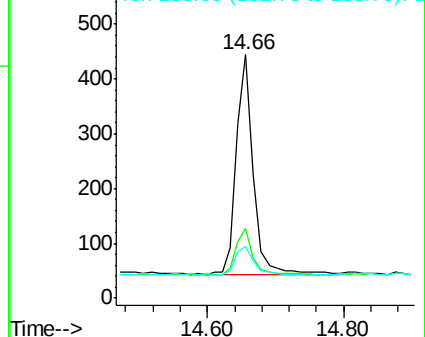
153 13.9 10.5 15.7

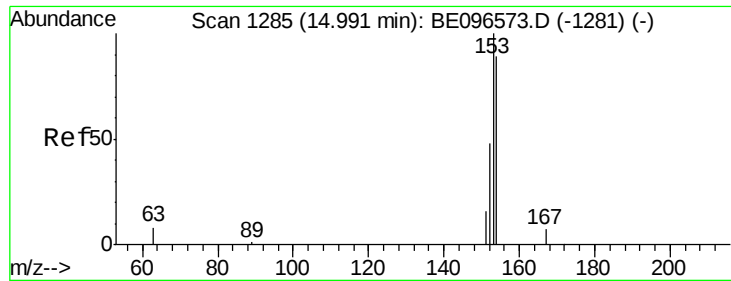


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.09 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

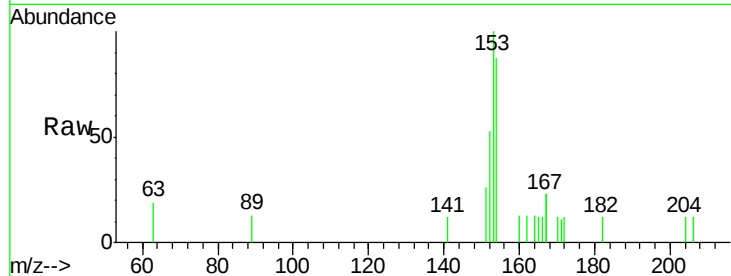
Tgt Ion:154 Resp: 440

Ion Ratio Lower Upper

154 100

153 118.9 89.2 133.8

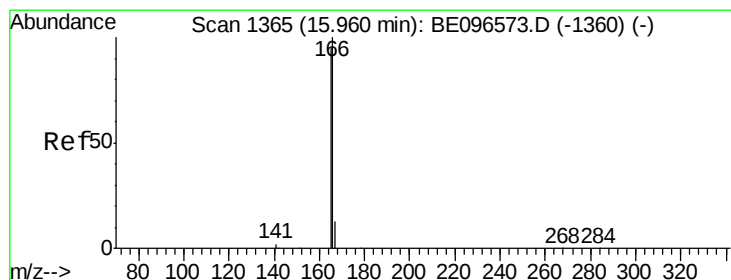
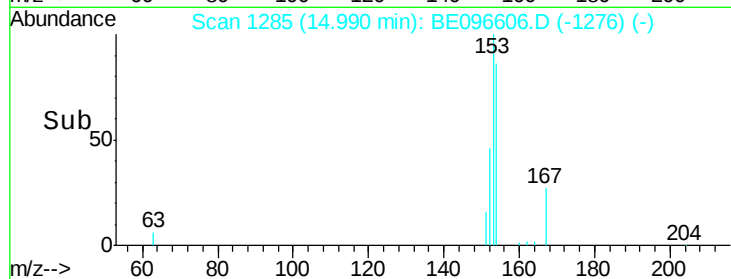
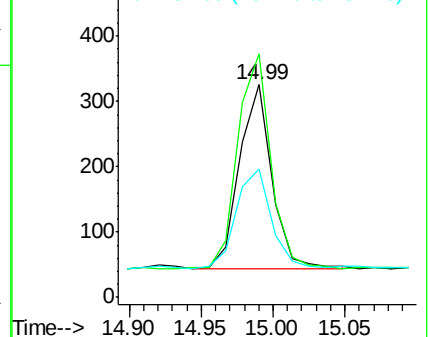
152 59.1 42.0 63.0



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: 0.09 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

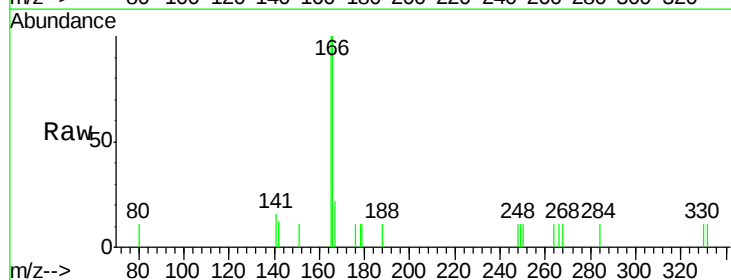
Tgt Ion:166 Resp: 550

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

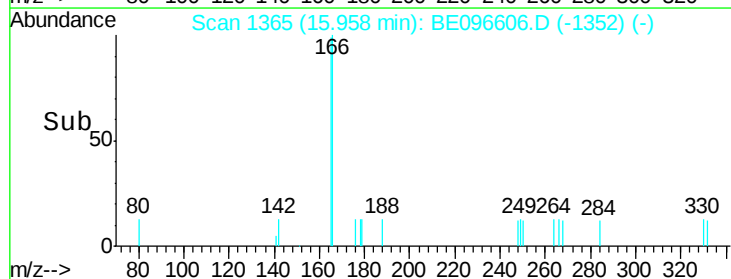
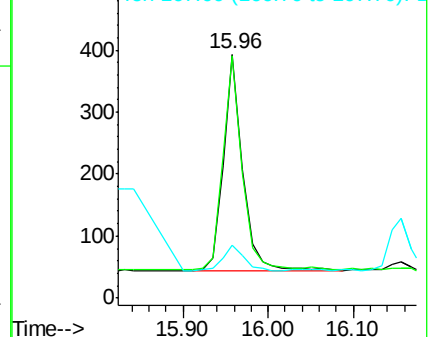
167 12.7 42.4 63.6#

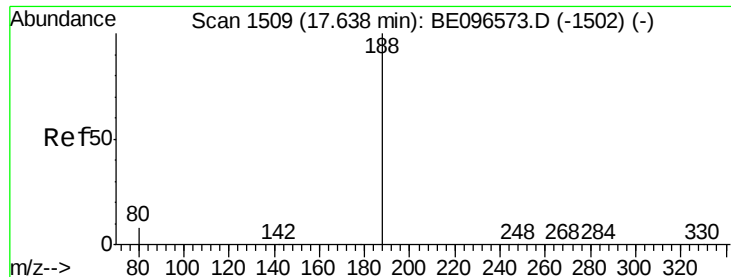


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

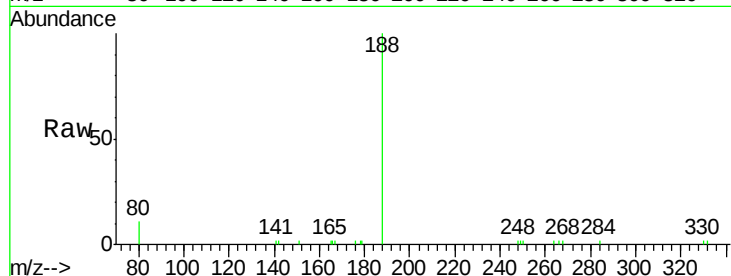
Tgt Ion:188 Resp: 3654

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

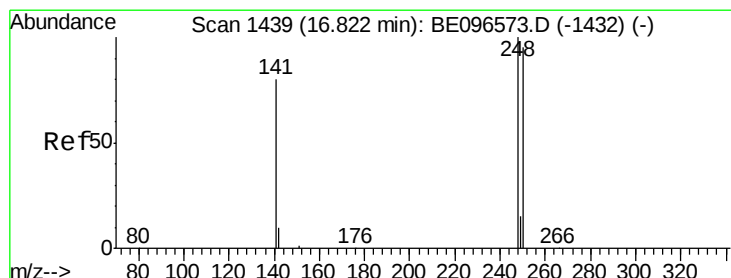
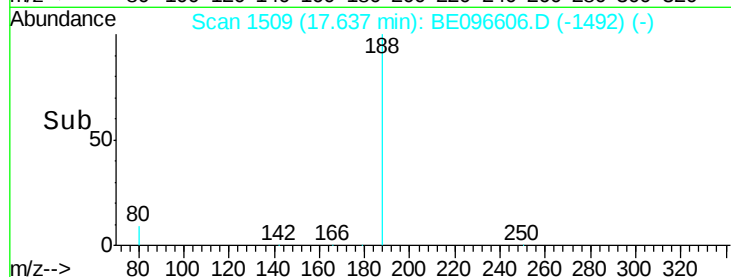
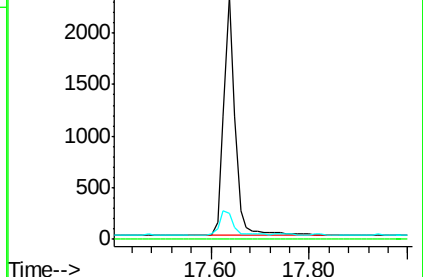
80 10.7 3.6 5.4#



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: 0.08 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

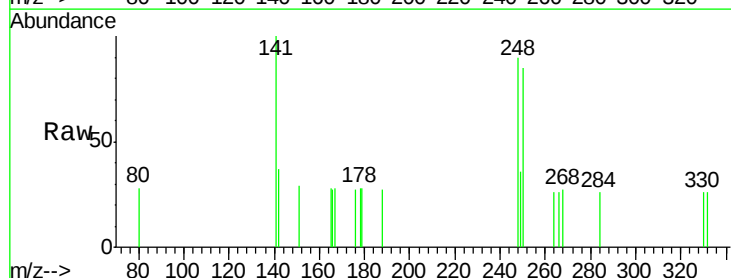
Tgt Ion:248 Resp: 180

Ion Ratio Lower Upper

248 100

250 94.5 62.7 94.1#

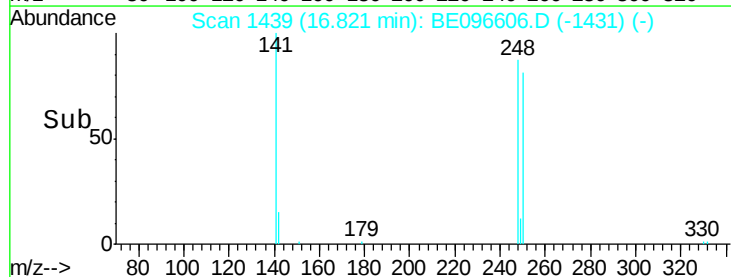
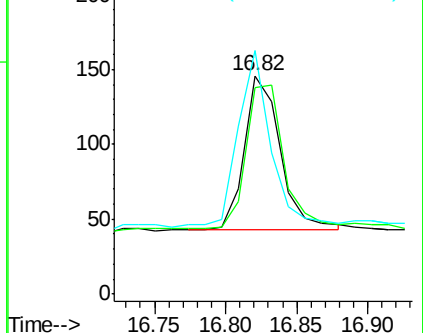
141 111.6 48.2 72.2#

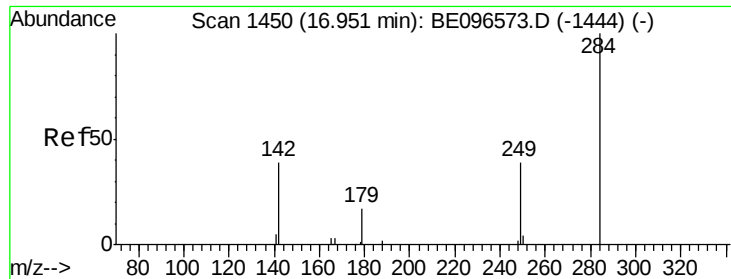


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.09 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

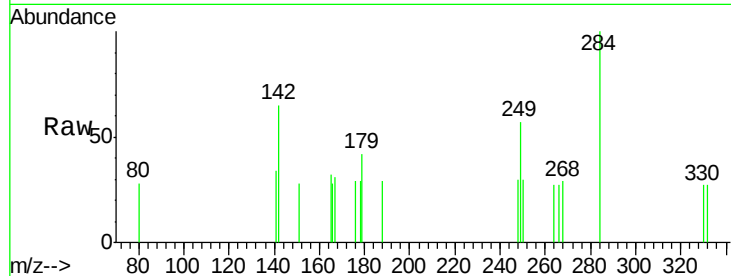
Tgt Ion:284 Resp: 210

Ion Ratio Lower Upper

284 100

142 43.8 22.1 33.1#

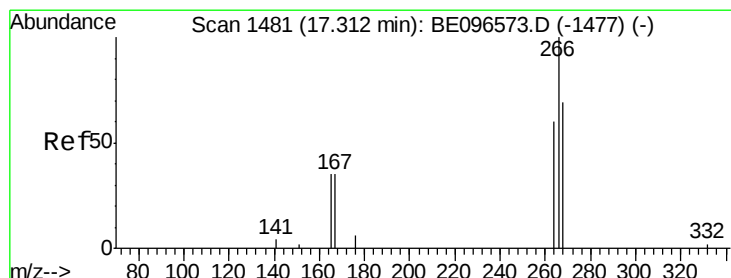
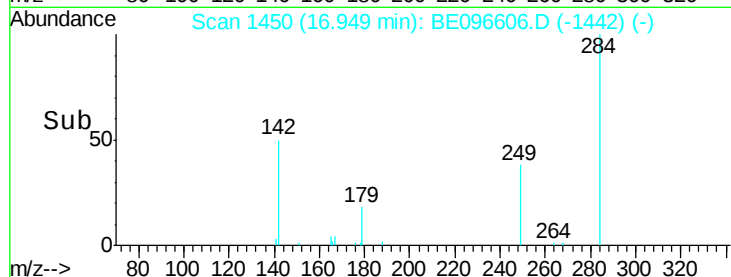
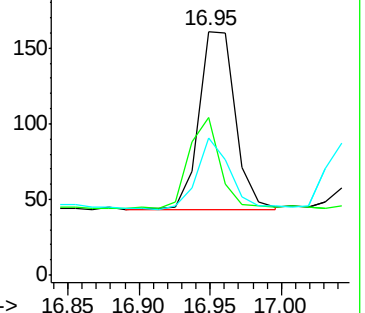
249 38.6 34.8 52.2



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: 0.21 ng

RT: 17.32 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

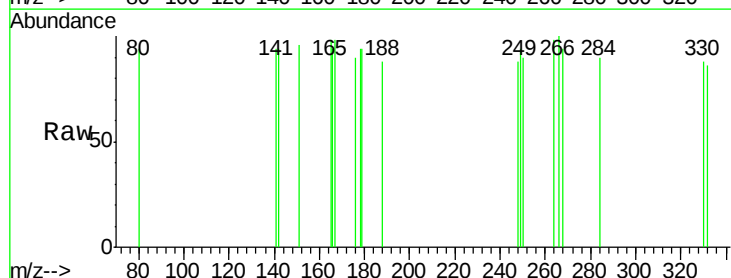
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 98.0 72.5 108.7

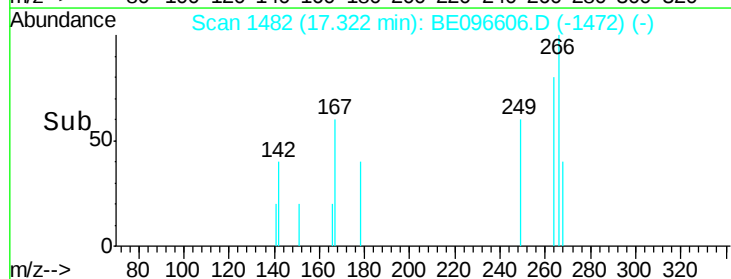
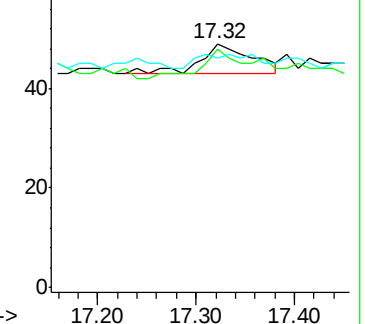
268 93.9 73.8 110.6

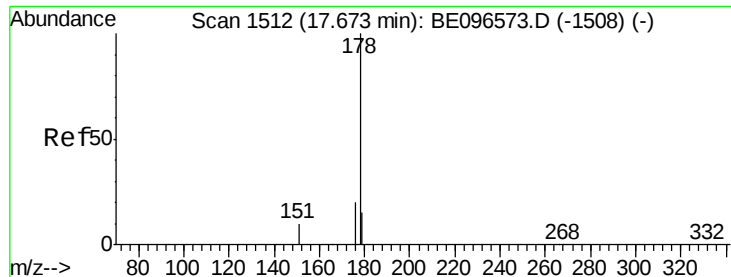


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.09 ng

RT: 17.68 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

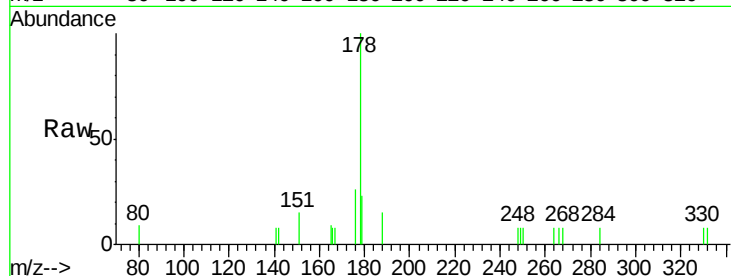
Tgt Ion:178 Resp: 891

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

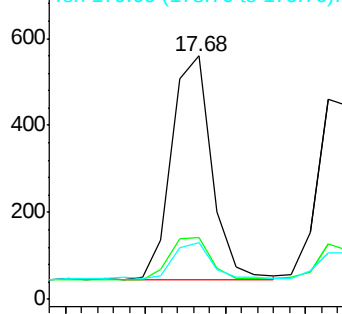
179 14.6 11.8 17.6



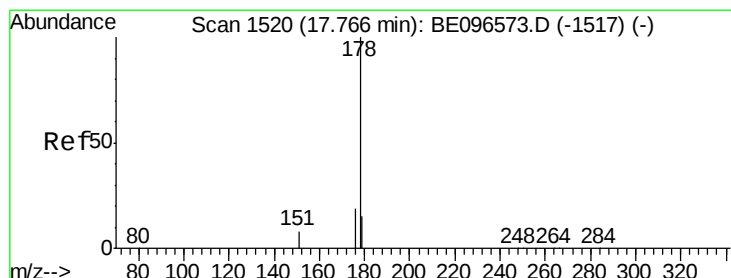
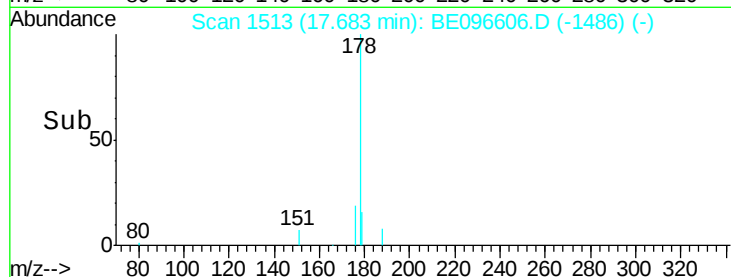
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.60 17.65 17.70 17.75



#24

Anthracene

Concen: 0.08 ng

RT: 17.76 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

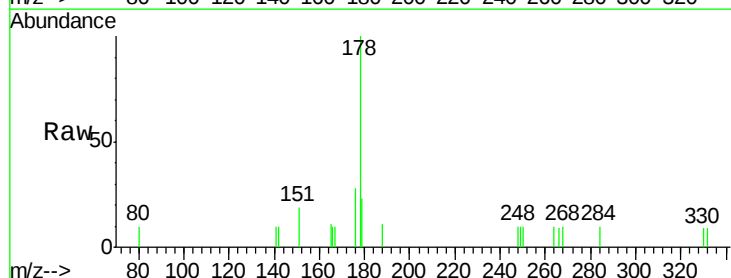
Tgt Ion:178 Resp: 785

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

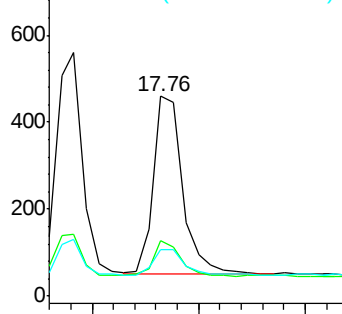
179 15.7 13.0 19.6



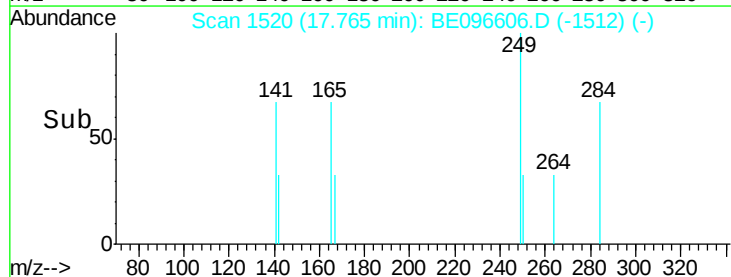
Abundance Ion 178.00 (177.70 to 178.70): E

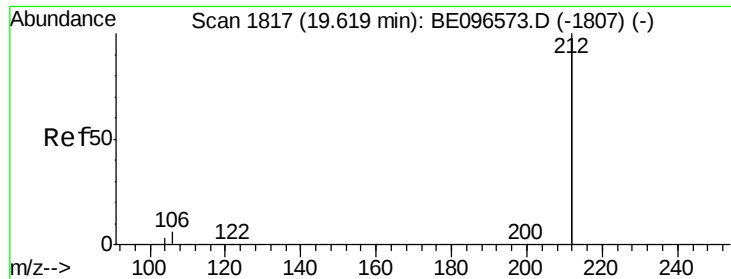
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.70 17.80 17.90





#25

Fluoranthene-d10

Concen: 0.36 ng

RT: 19.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

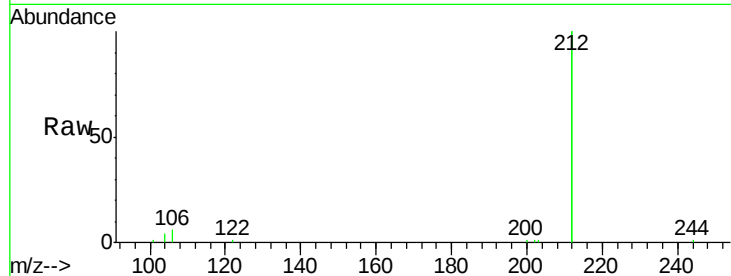
Tgt Ion:212 Resp: 15979

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2#

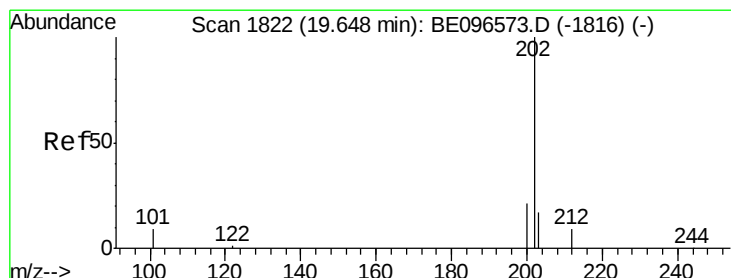
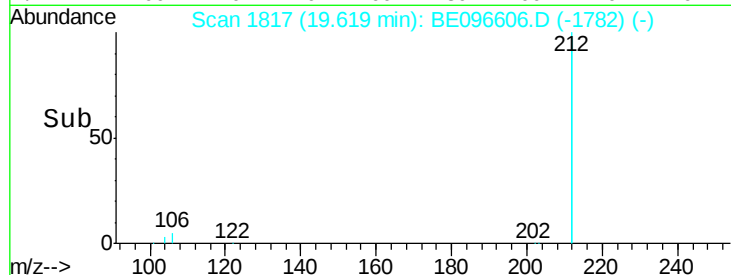
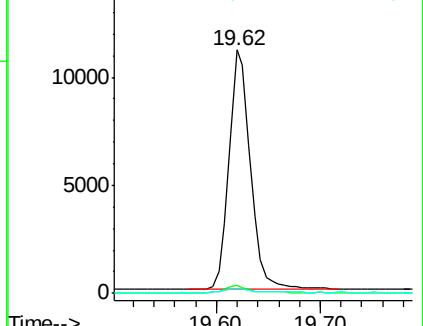
104 1.7 1.6 2.4



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# 1823

Delta R.T. 0.01 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

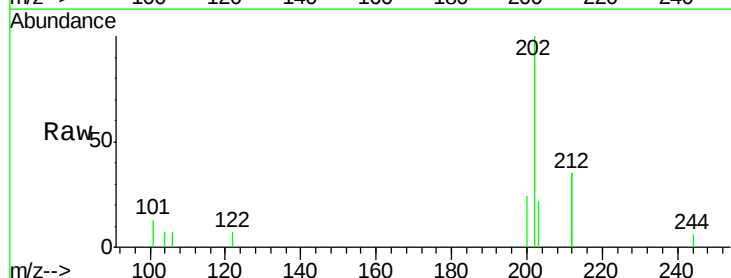
Tgt Ion:202 Resp: 1048

Ion Ratio Lower Upper

202 100

101 10.5 9.8 14.8

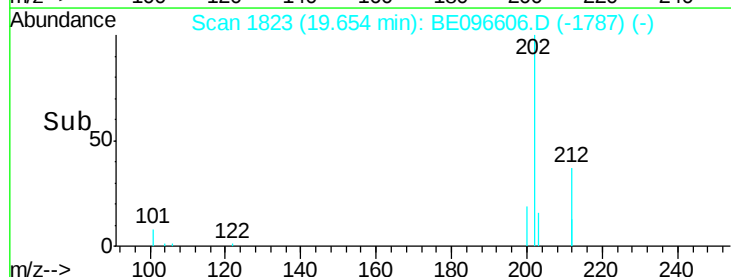
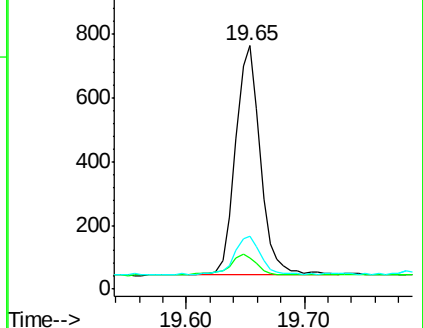
203 17.1 13.7 20.5



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: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

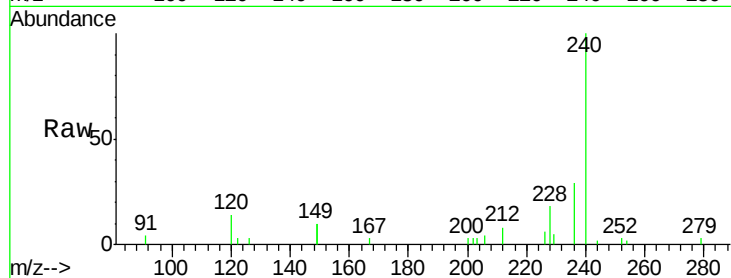
Tgt Ion:240 Resp: 3380

Ion Ratio Lower Upper

240 100

120 14.2 5.5 8.3#

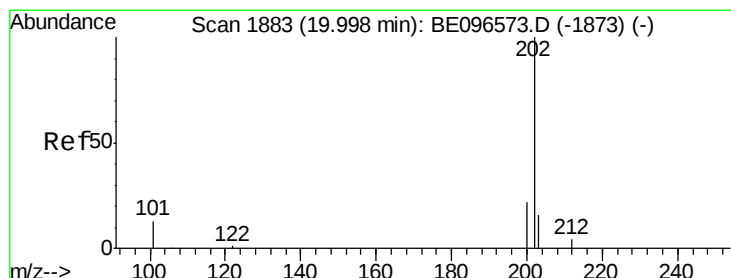
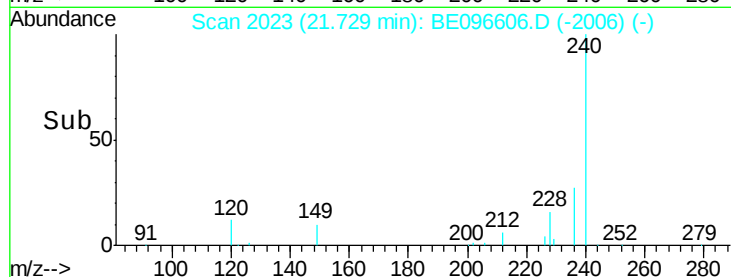
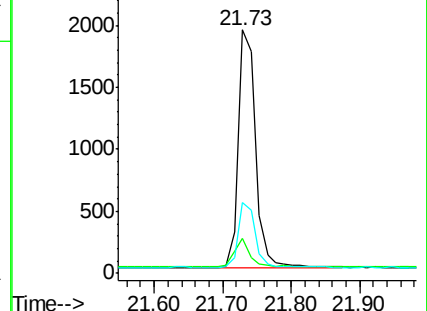
236 29.2 20.7 31.1



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: BE096606.D

Acq: 17 May 2018 12:59

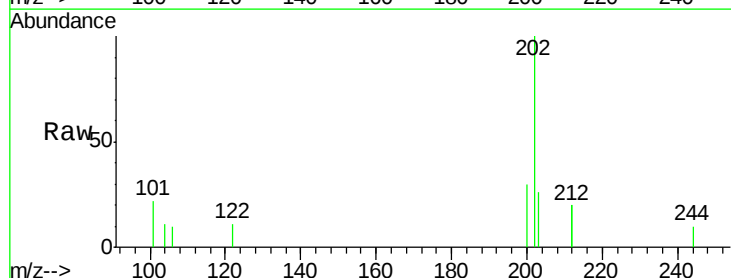
Tgt Ion:202 Resp: 480

Ion Ratio Lower Upper

202 100

200 25.6 16.6 25.0#

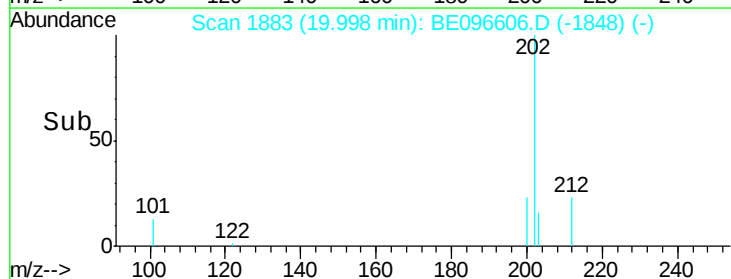
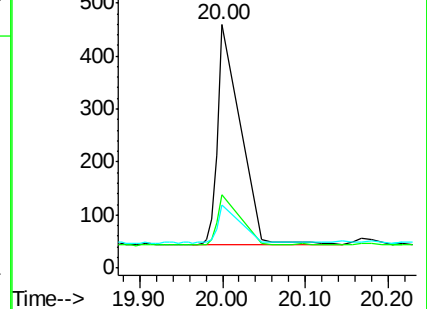
203 17.9 13.8 20.8



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: 0.33 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

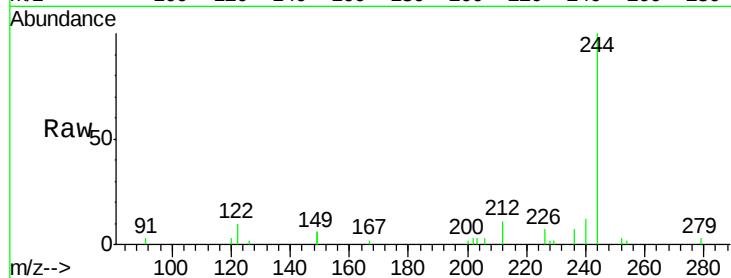
Tgt Ion:244 Resp: 2516

Ion Ratio Lower Upper

244 100

212 11.3 25.4 38.0#

122 10.0 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

2500

2000

1500

1000

500

0

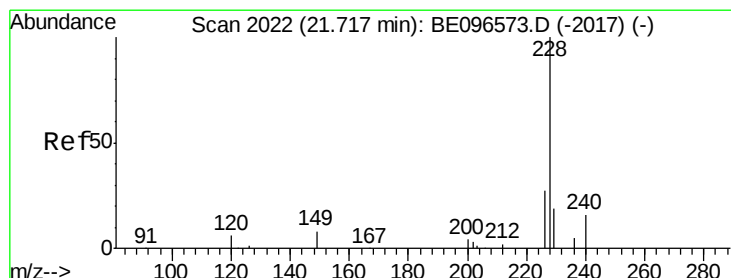
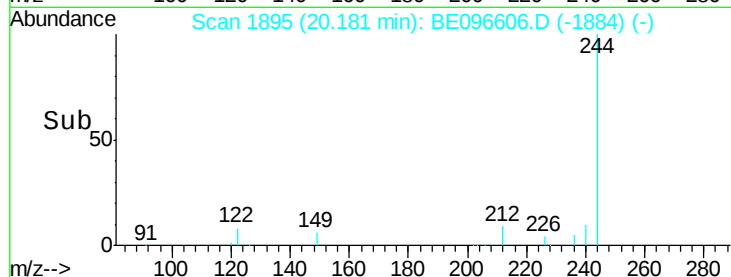
20.18

20.10

20.20

20.30

Time-->



#30

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

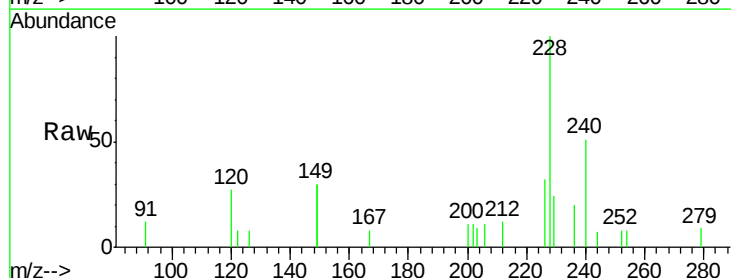
Tgt Ion:228 Resp: 900

Ion Ratio Lower Upper

228 100

226 32.1 24.0 36.0

229 23.6 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

800

600

400

200

0

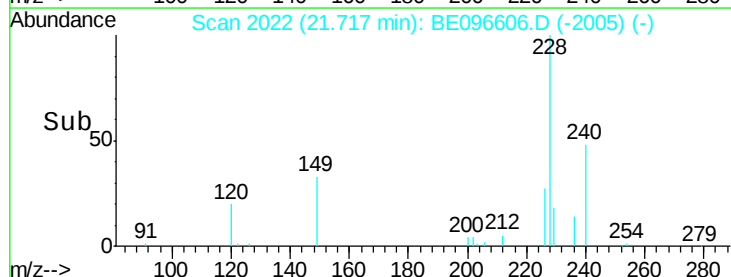
21.72

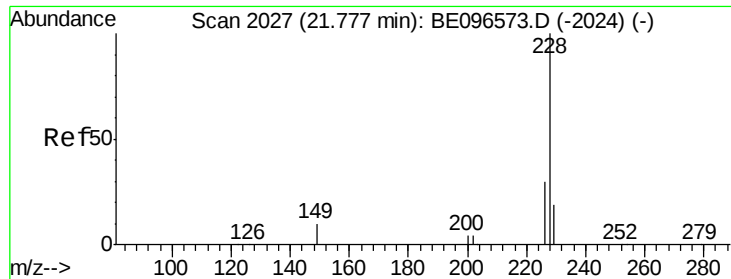
21.65

21.70

21.75

Time-->





#31

Chrysene

Concen: 0.05 ng

RT: 21.72 min Scan# 2022

Delta R.T. -0.06 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

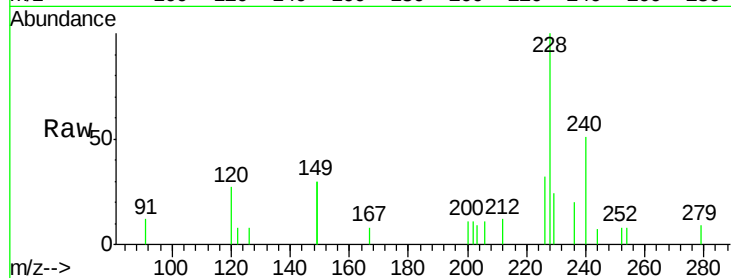
Tgt Ion:228 Resp: 549

Ion Ratio Lower Upper

228 100

226 32.1 24.0 36.0

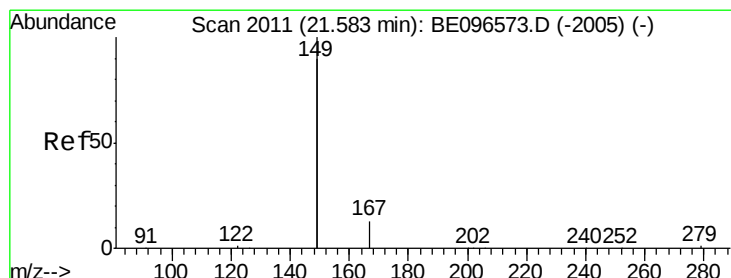
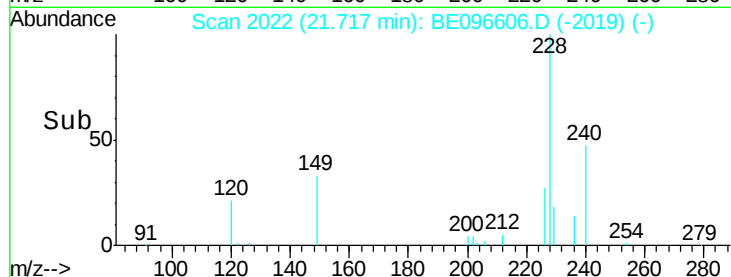
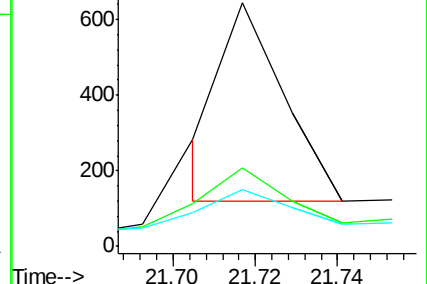
229 23.6 16.0 24.0



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: 0.08 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

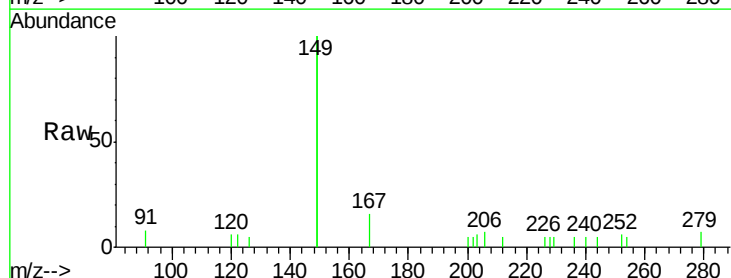
Tgt Ion:149 Resp: 1803

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

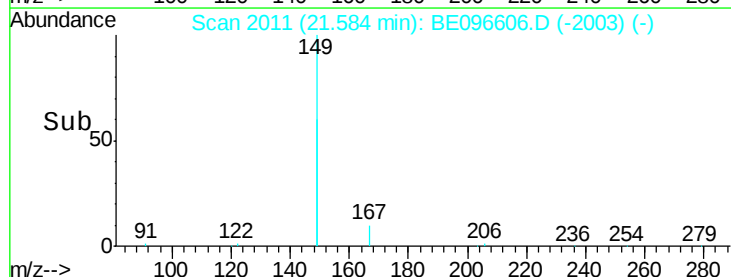
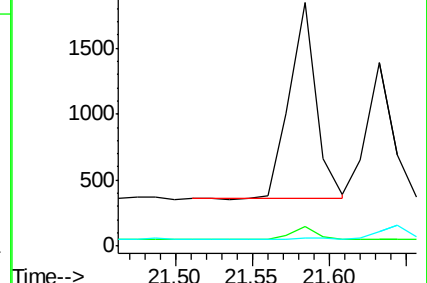
279 0.0 0.7 1.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng

RT: 27.11 min Scan# 3467

Delta R.T. 0.00 min

Lab File: BE096606.D

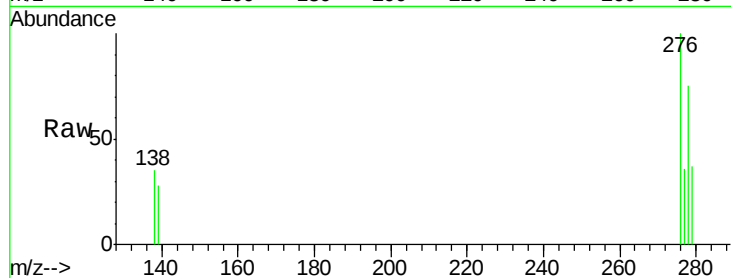
Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1



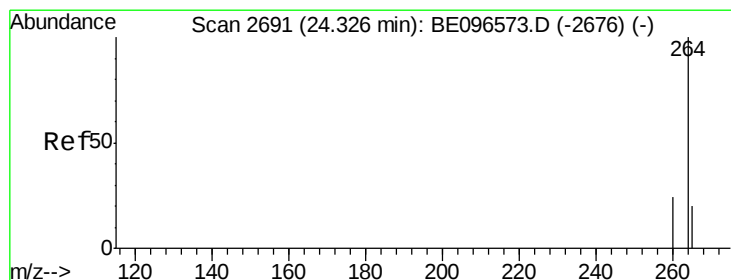
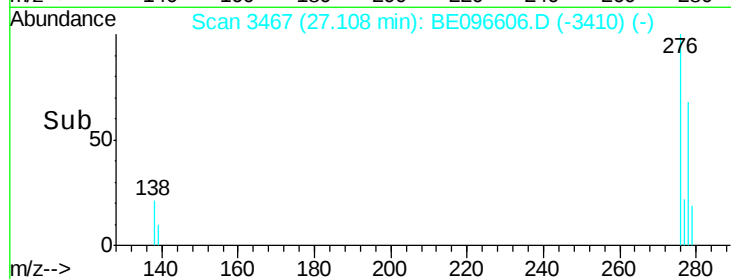
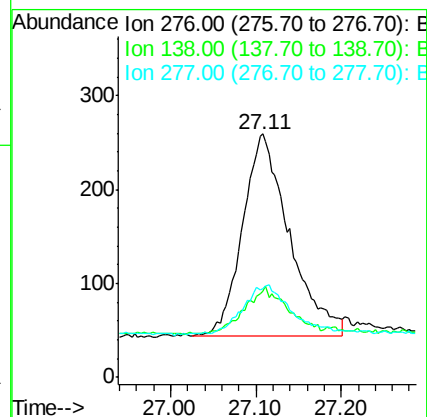
Tgt Ion: 276 Resp: 818

Ion Ratio Lower Upper

276 100

138 22.5 22.5 33.7

277 24.8 19.9 29.9



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.33 min Scan# 2693

Delta R.T. 0.01 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

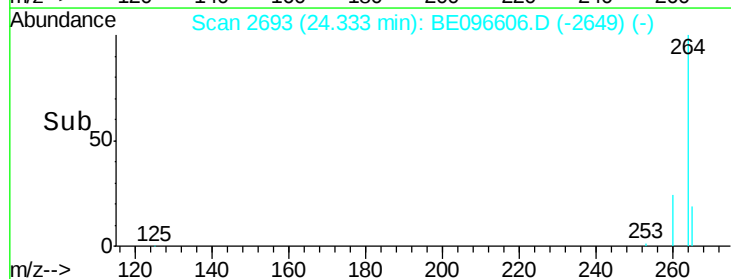
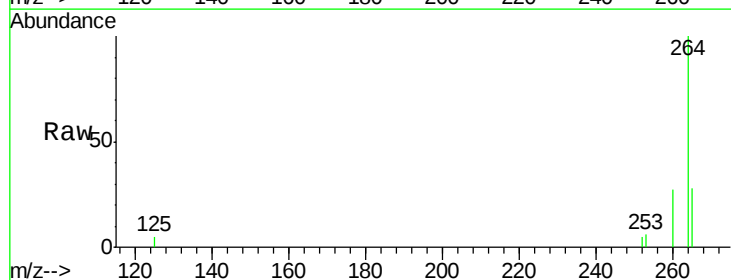
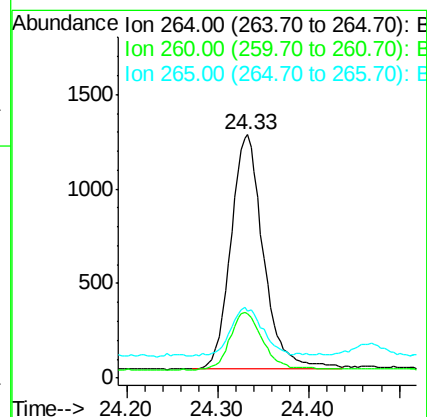
Tgt Ion: 264 Resp: 3088

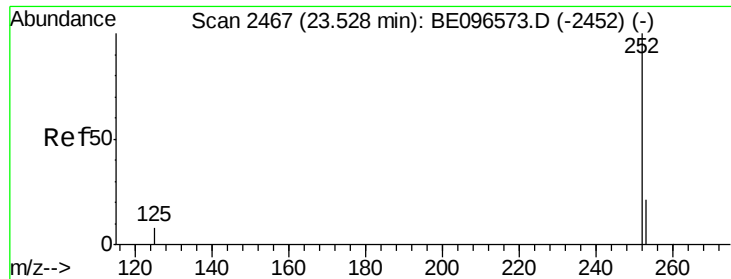
Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

265 27.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 23.53 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

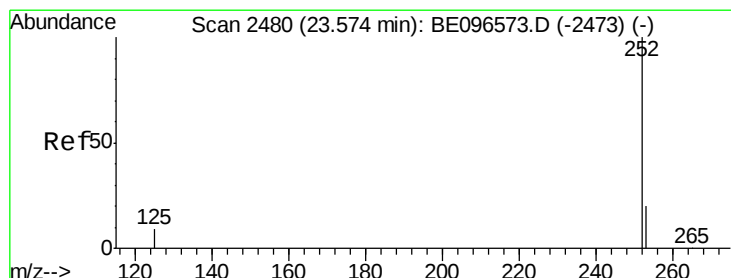
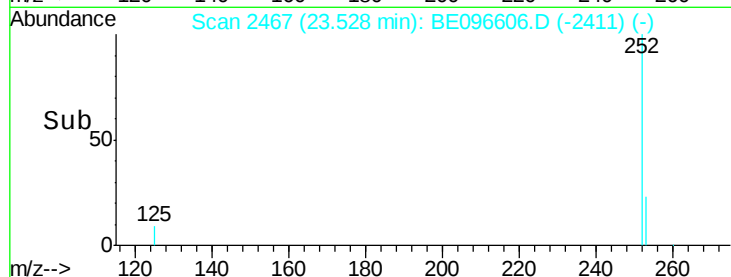
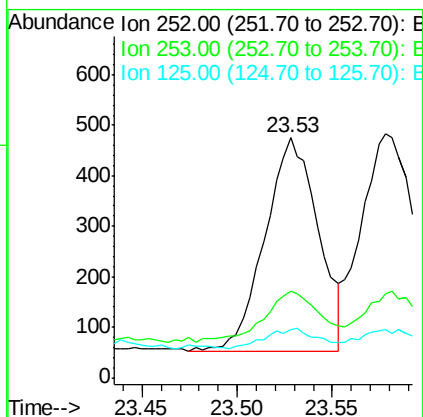
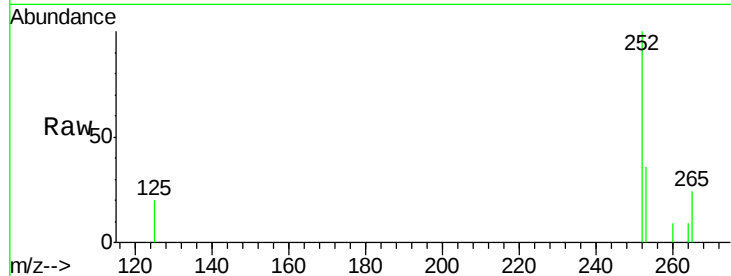
Tgt Ion:252 Resp: 821

Ion Ratio Lower Upper

252 100

253 36.0 20.0 30.0#

125 20.0 16.0 24.0



#36

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

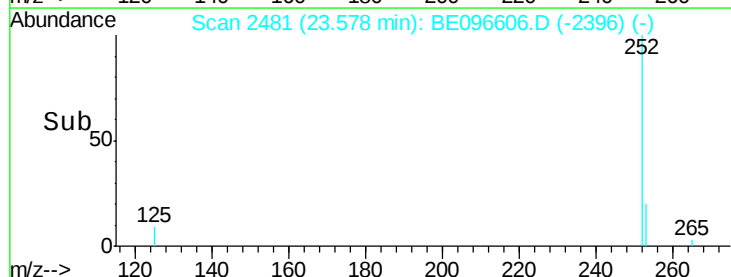
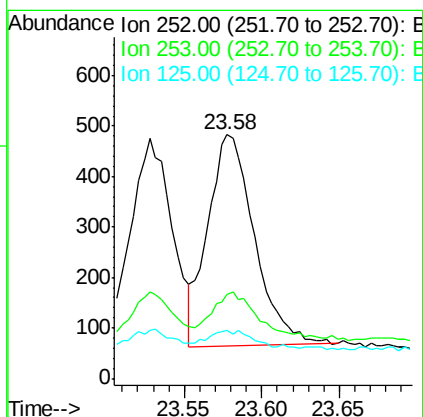
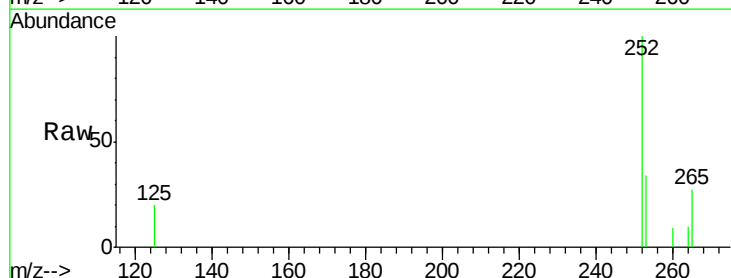
Tgt Ion:252 Resp: 879

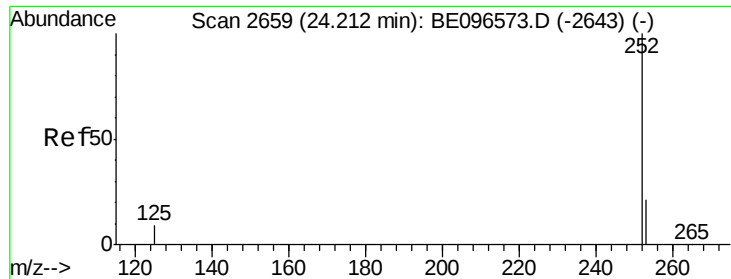
Ion Ratio Lower Upper

252 100

253 34.2 16.0 24.0#

125 19.9 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.08 ng

RT: 24.21 min Scan# 2659

Delta R.T. -0.00 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1

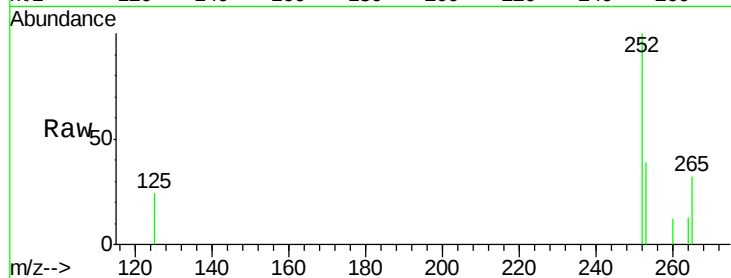
Tgt Ion: 252 Resp: 758

Ion Ratio Lower Upper

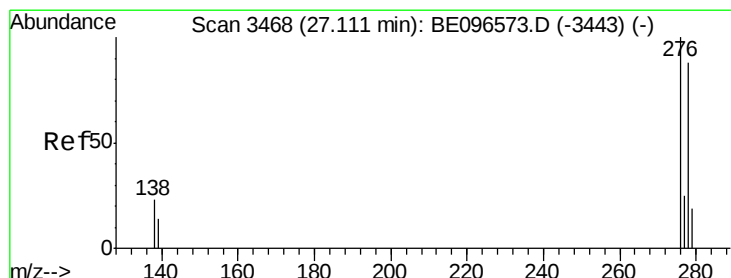
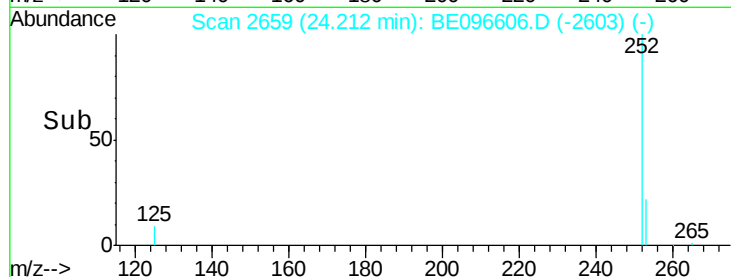
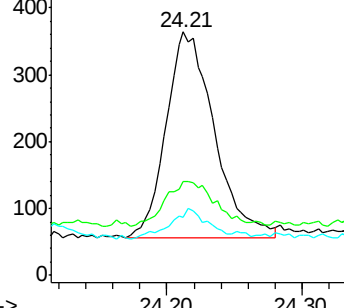
252 100

253 38.7 16.0 24.0#

125 23.6 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: 0.08 ng

RT: 27.12 min Scan# 3471

Delta R.T. 0.01 min

Lab File: BE096606.D

Acq: 17 May 2018 12:59

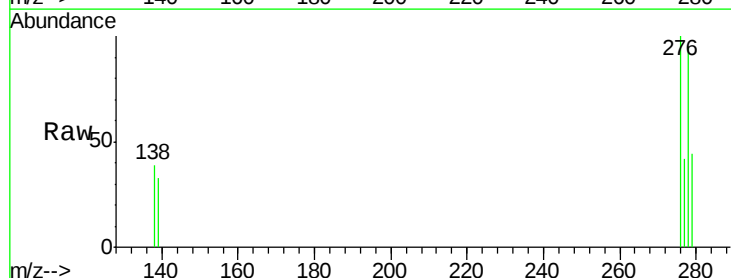
Tgt Ion: 278 Resp: 657

Ion Ratio Lower Upper

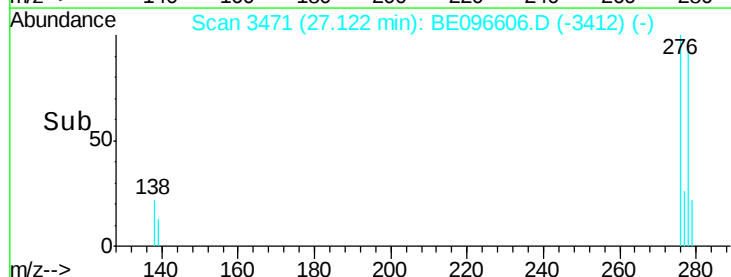
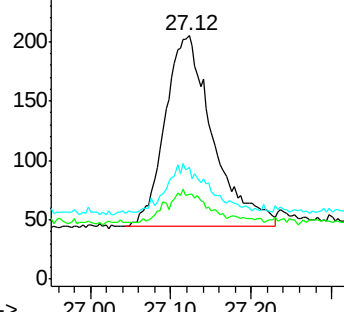
278 100

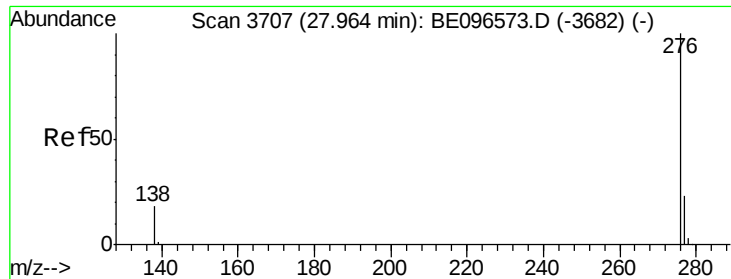
139 35.1 16.0 24.0#

279 45.9 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.08 ng

RT: 27.96 min Scan# 3707

Delta R.T. 0.00 min

Lab File: BE096606.D

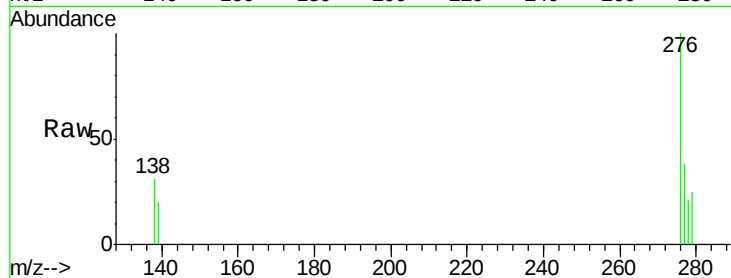
Acq: 17 May 2018 12:59

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-1



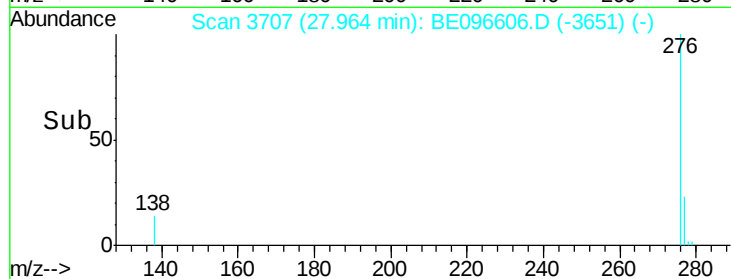
Tgt Ion: 276 Resp: 702

Ion Ratio Lower Upper

276 100

277 38.4 16.0 24.0#

138 31.4 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

