

Data File : BE096607.D
Acq On : 17 May 2018 13:35
Operator : SJ/JU
Sample : J2923-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Quant Time: May 18 05:12:49 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	627	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2622	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1554	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3509	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3335	0.40	ng	0.01
34) Perylene-d12	24.33	264	3047	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	530	0.31	ng	0.00
5) Phenol-d6	7.50	99	709	0.29	ng	0.00
8) Nitrobenzene-d5	9.53	82	981	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1568	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	155	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2376	0.36	ng	0.00
25) Fluoranthene-d10	19.62	212	15964	0.37	ng	0.00
29) Terphenyl-d14	20.18	244	2461	0.33	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.59	88	105	0.11	ng	87
3) n-Nitrosodimethylamine	3.98	42	66	0.06	ng	# 82
6) bis(2-Chloroethyl)ether	7.75	93	212	0.09	ng	99
9) Naphthalene	11.23	128	2645	0.10	ng	# 92
10) Hexachlorobutadiene	11.49	225	139	0.09	ng	96
12) 2-Methylnaphthalene	12.79	142	428	0.09	ng	# 88
16) Acenaphthylene	14.66	152	710	0.09	ng	99
17) Acenaphthene	14.99	154	453	0.09	ng	93
18) Fluorene	15.96	166	562	0.09	ng	# 77
20) 4-Bromophenyl-phenylether	16.82	248	196	0.09	ng	# 76
21) Hexachlorobenzene	16.95	284	206	0.09	ng	# 76
22) Pentachlorophenol	17.32	266	21	0.21	ng	96
23) Phenanthrene	17.67	178	901	0.09	ng	98
24) Anthracene	17.77	178	777	0.08	ng	# 95
26) Fluoranthene	19.65	202	1063	0.09	ng	97
28) Pyrene	20.00	202	438	0.07	ng	95
30) Benzo(a)anthracene	21.78	228	1005	0.10	ng	91
31) Chrysene	21.78	228	989	0.09	ng	91
32) Bis(2-ethylhexyl)phthalate	21.58	149	1801	0.08	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.11	276	842	0.08	ng	# 92
35) Benzo(b)fluoranthene	23.53	252	844	0.09	ng	# 89
36) Benzo(k)fluoranthene	23.58	252	872	0.09	ng	# 72
37) Benzo(a)pyrene	24.22	252	781	0.09	ng	# 66
38) Dibenzo(a,h)anthracene	27.12	278	675	0.08	ng	# 70
39) Benzo(g,h,i)perylene	27.97	276	739	0.09	ng	# 74

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

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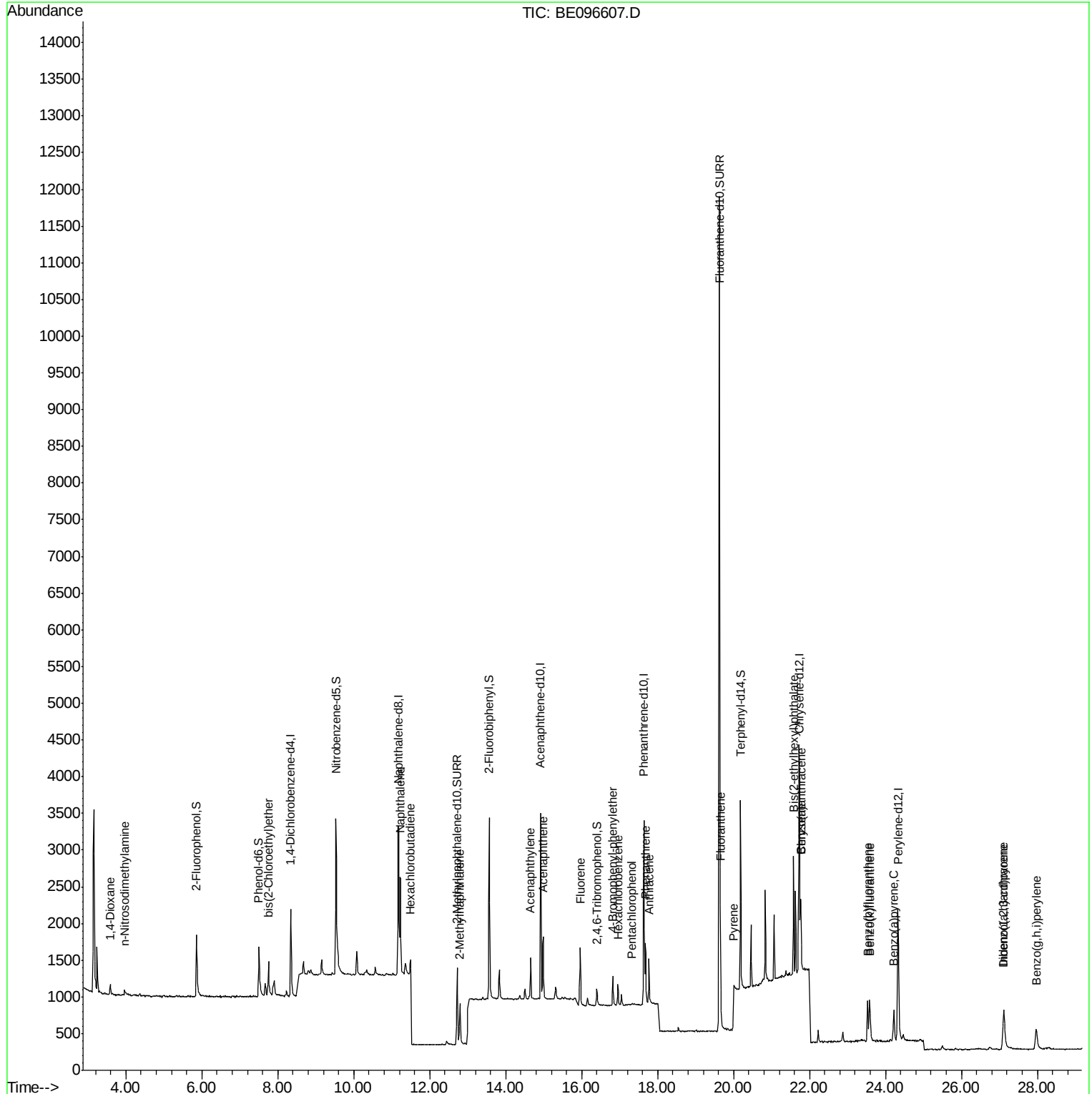
Quant Time: May 18 05:12:49 2018

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.34 min Scan# 560

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

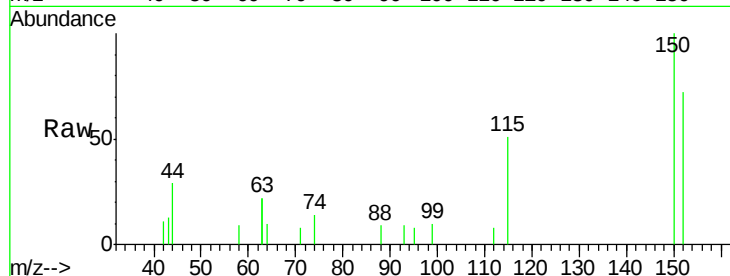
Tgt Ion: 152 Resp: 627

Ion Ratio Lower Upper

152 100

150 139.0 117.2 175.8

115 70.3 57.0 85.6



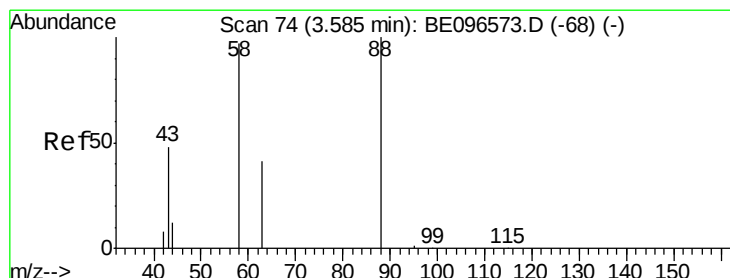
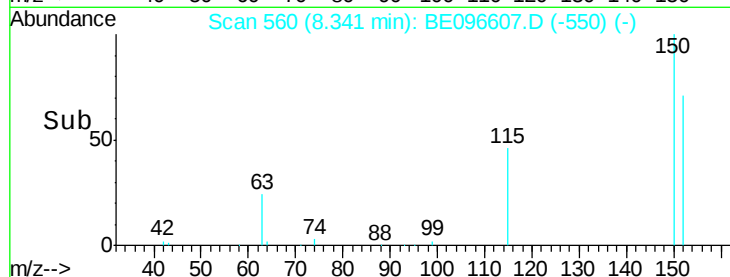
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

8.34

Time-->



#2

1,4-Dioxane

Concen: 0.11 ng

RT: 3.59 min Scan# 74

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

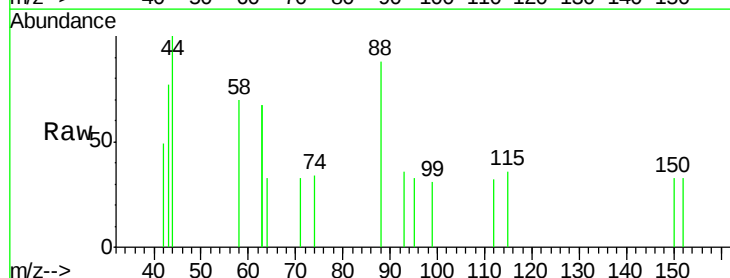
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

58 92.4 63.2 94.8

43 45.7 41.2 61.8



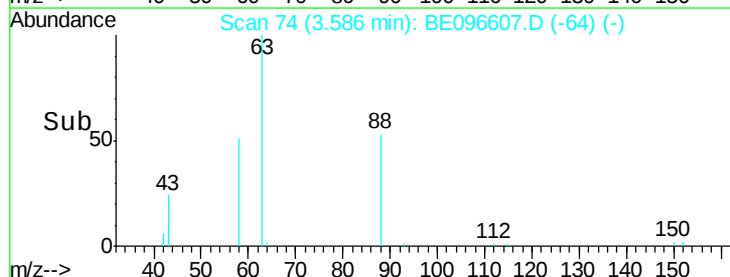
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.59

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.98 min Scan# 114

Delta R.T. 0.03 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

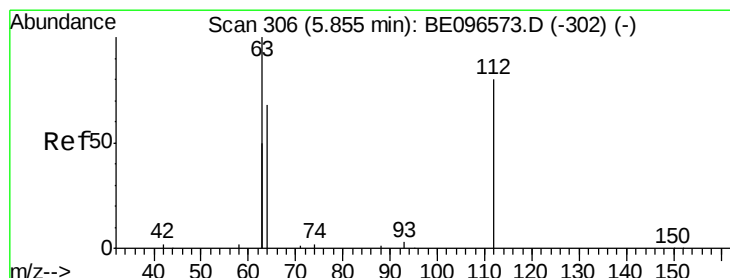
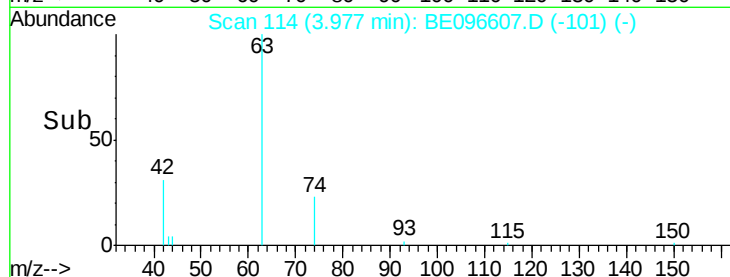
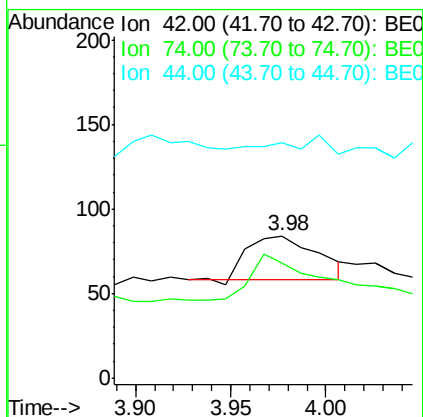
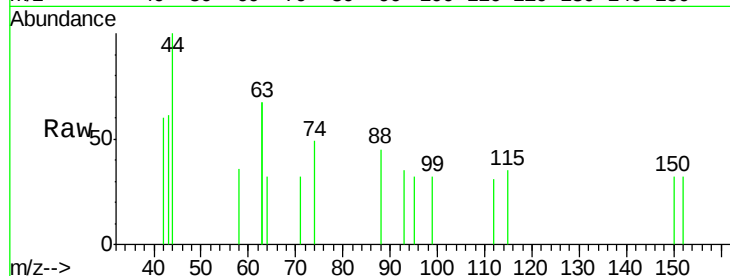
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

74 98.5 96.0 144.0

44 10.6 12.0 18.0#



#4

2-Fluorophenol

Concen: 0.31 ng

RT: 5.86 min Scan# 306

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

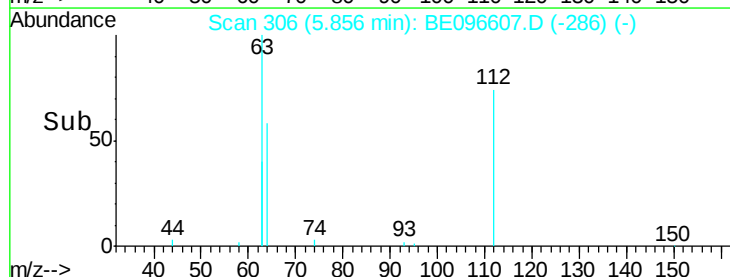
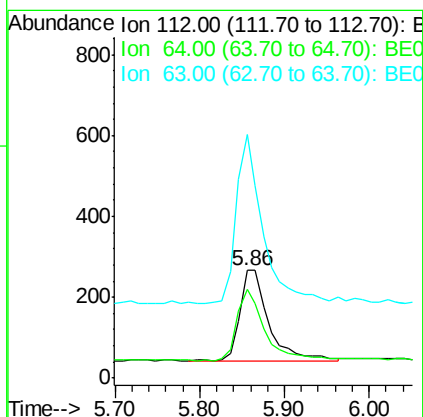
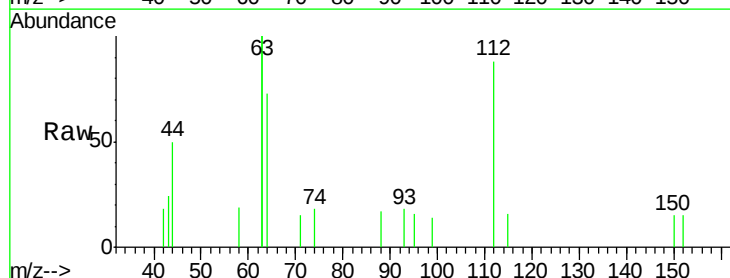
Tgt Ion: 112 Resp: 530

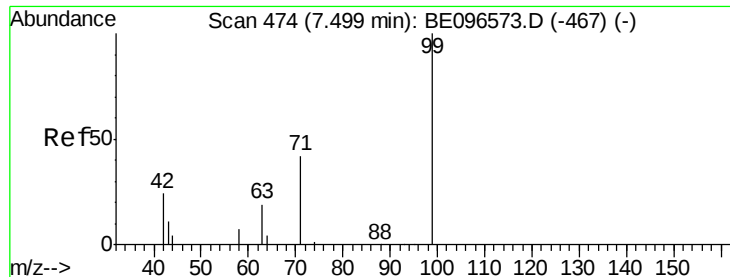
Ion Ratio Lower Upper

112 100

64 79.8 60.1 90.1

63 171.9 116.8 175.2





#5

Phenol-d6

Concen: 0.29 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

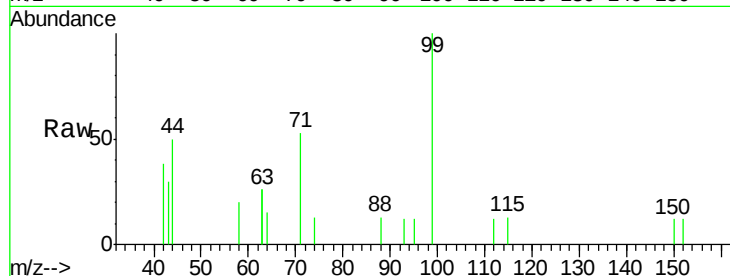
Tgt Ion: 99 Resp: 709

Ion Ratio Lower Upper

99 100

42 25.7 20.2 30.2

71 43.2 28.4 42.6#



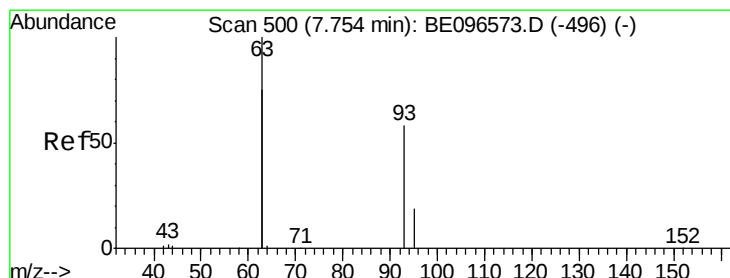
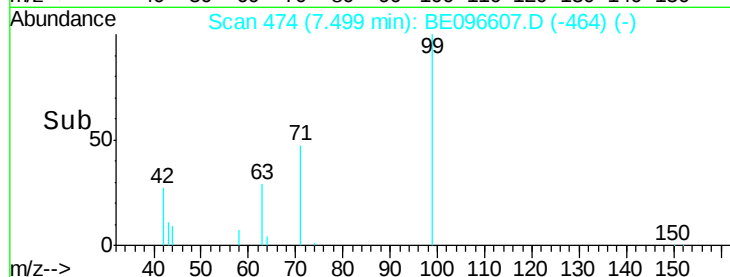
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->

7.40 7.45 7.50 7.55



#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.75 min Scan# 500

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

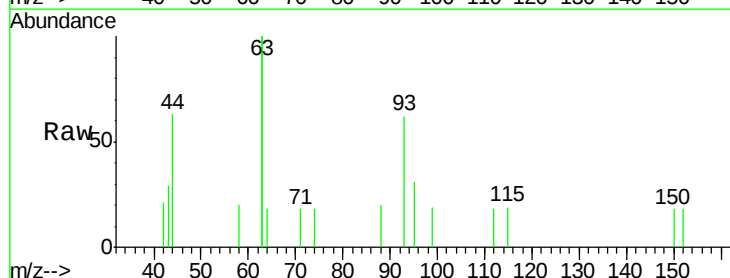
Tgt Ion: 93 Resp: 212

Ion Ratio Lower Upper

93 100

63 342.5 275.3 412.9

95 31.1 25.2 37.8



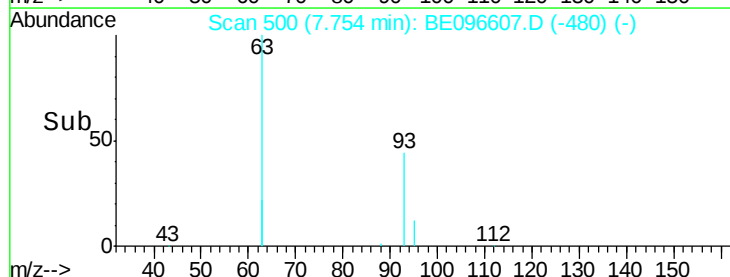
Abundance Ion 93.00 (92.70 to 93.70): BE0

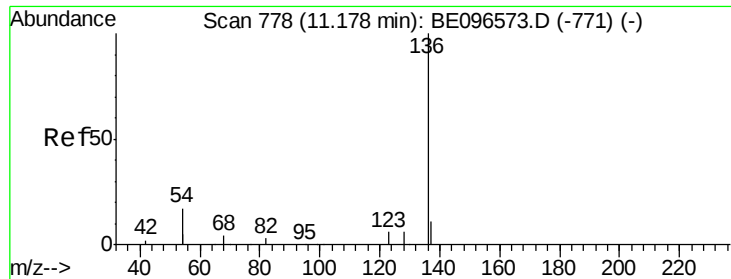
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->

7.70 7.75 7.80 7.85





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

Tgt Ion: 136 Resp: 2622

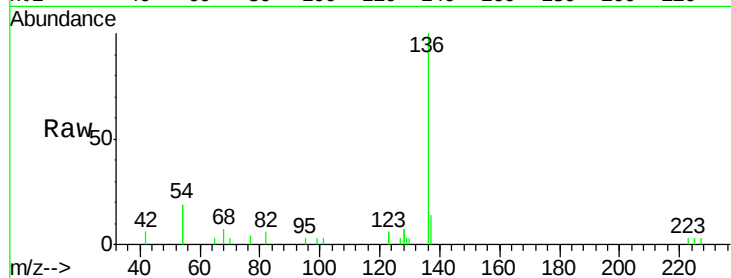
Ion Ratio Lower Upper

136 100

137 13.5 9.5 14.3

54 37.5 29.1 43.7

68 7.2 6.2 9.2

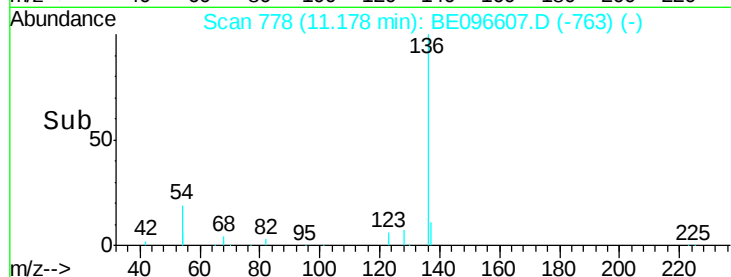


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

11.18

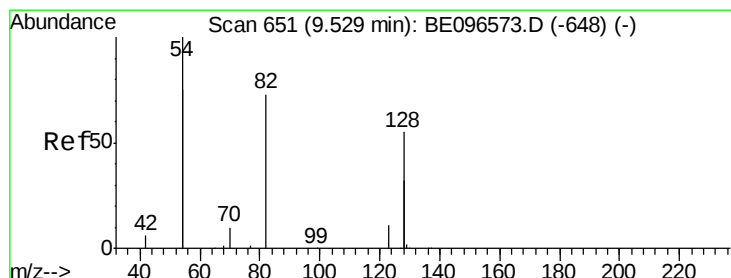
1500

1000

500

0

Time-->



#8

Nitrobenzene-d5

Concen: 0.35 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

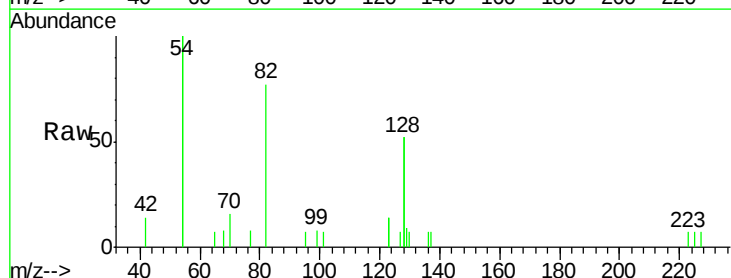
Tgt Ion: 82 Resp: 981

Ion Ratio Lower Upper

82 100

128 134.3 150.0 225.0#

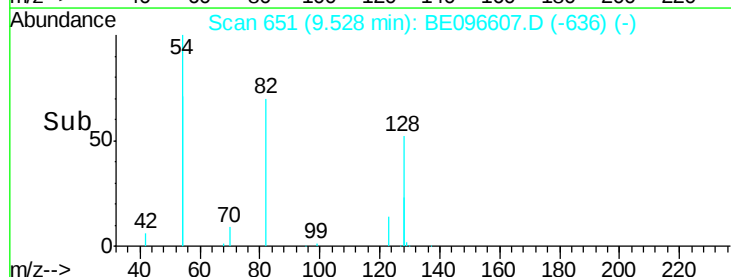
54 258.4 154.2 231.4#



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



Abundance

9.53

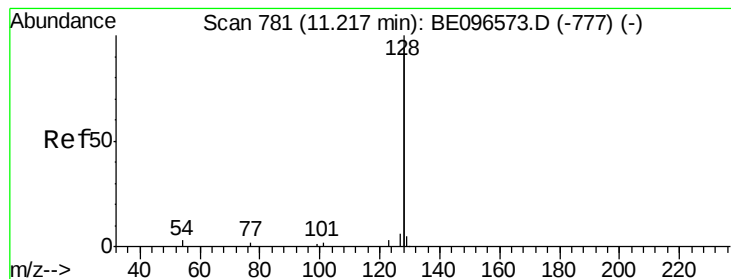
1500

1000

500

0

Time-->



#9

Naphthalene

Concen: 0.10 ng

RT: 11.23 min Scan# 782

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

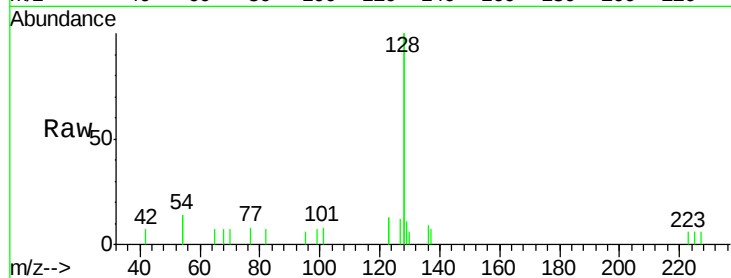
Tgt Ion:128 Resp: 2645

Ion Ratio Lower Upper

128 100

129 5.5 2.6 3.8#

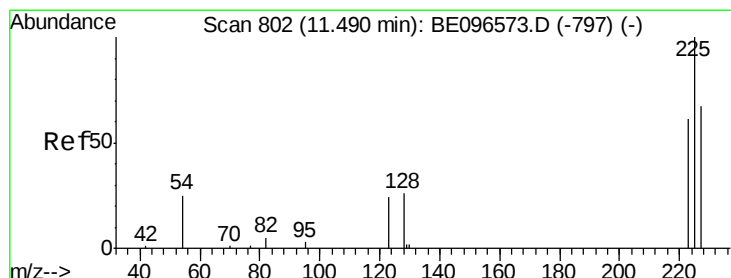
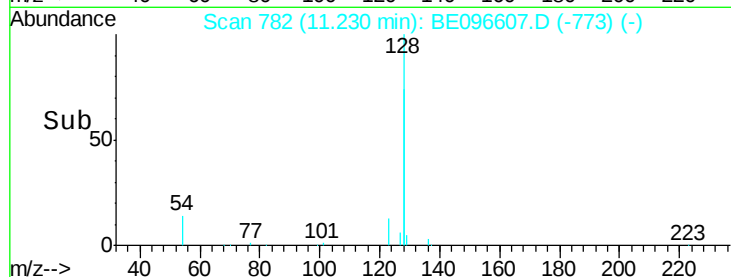
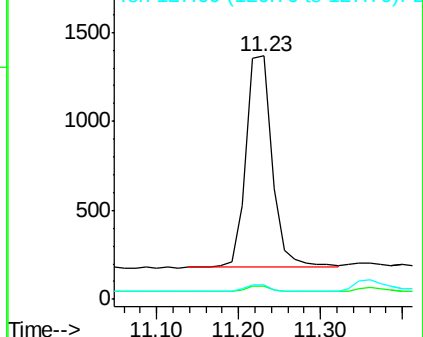
127 6.2 2.8 4.2#



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: 0.09 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

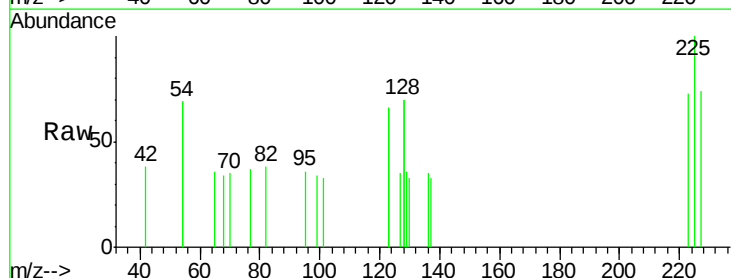
Tgt Ion:225 Resp: 139

Ion Ratio Lower Upper

225 100

223 64.7 53.0 79.6

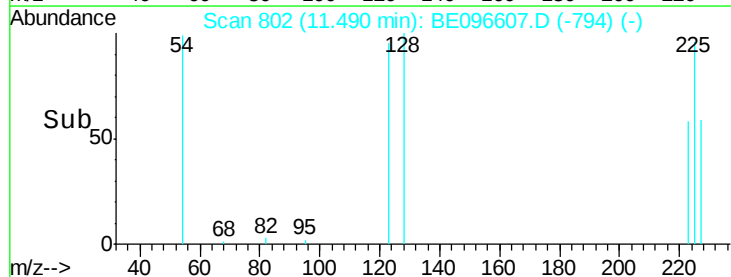
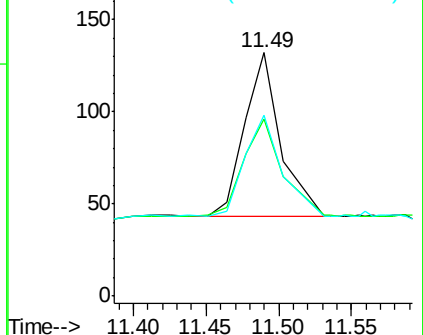
227 69.1 51.4 77.2

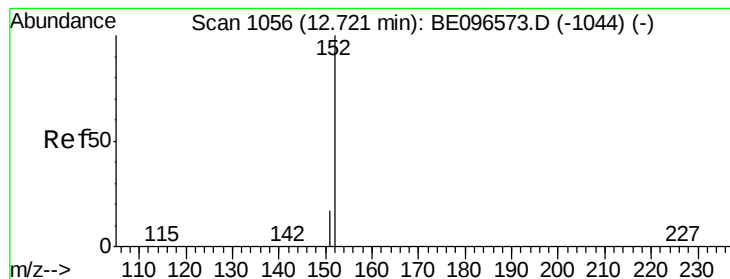


Abundance Ion 225.00 (224.70 to 225.70): E

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: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

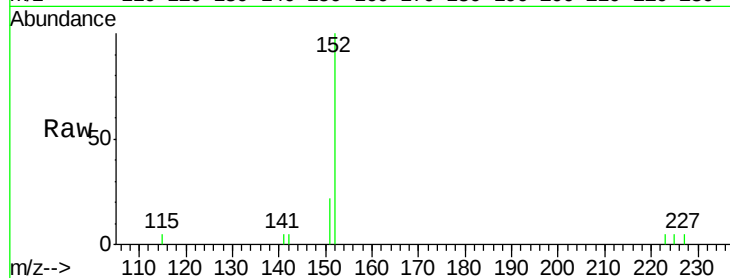
LOQ-SCM-Precision-Bias-2

Tgt Ion:152 Resp: 1568

Ion Ratio Lower Upper

152 100

151 20.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.72

1000

800

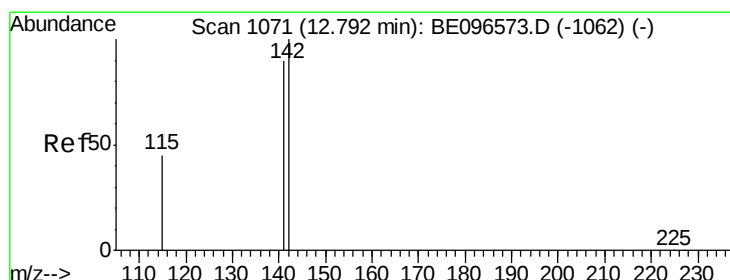
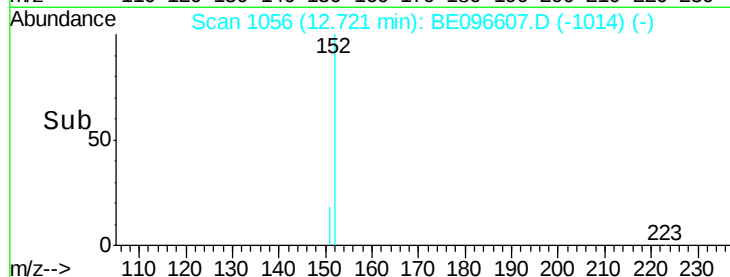
600

400

200

0

Time--> 12.60 12.70 12.80



#12

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

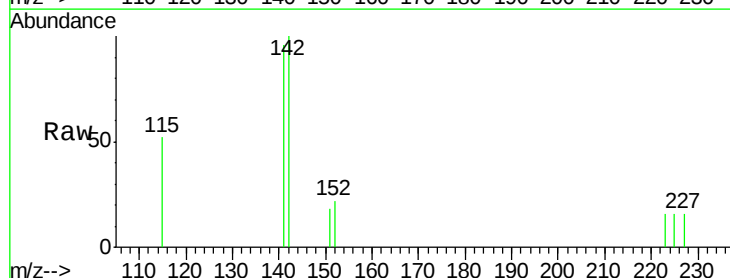
Tgt Ion:142 Resp: 428

Ion Ratio Lower Upper

142 100

141 95.6 70.4 105.6

115 52.2 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.79

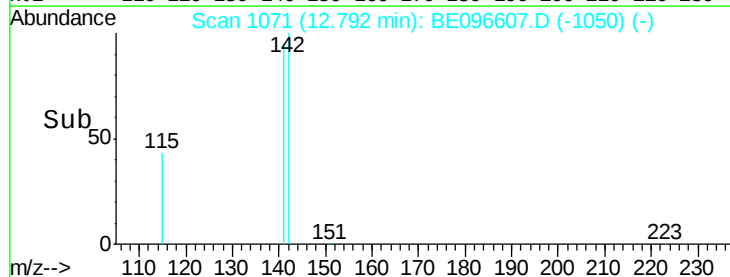
300

200

100

0

Time--> 12.70 12.75 12.80 12.85





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.92 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

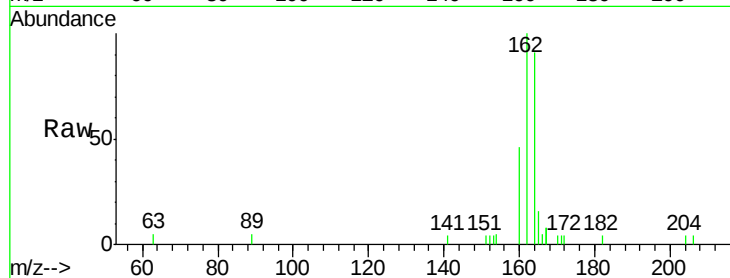
Tgt Ion:164 Resp: 1554

Ion Ratio Lower Upper

164 100

162 110.0 83.1 124.7

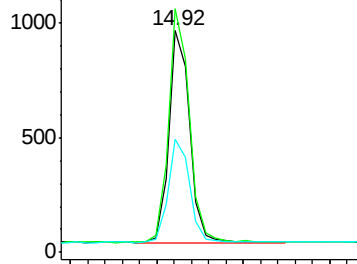
160 51.1 37.1 55.7



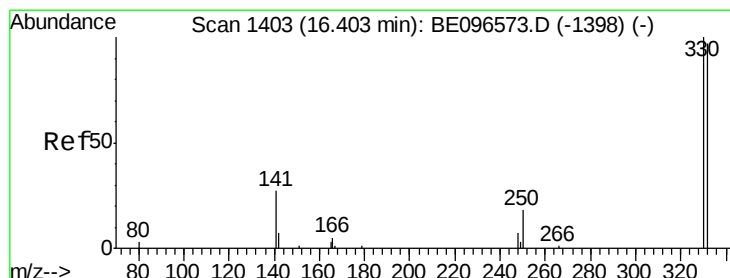
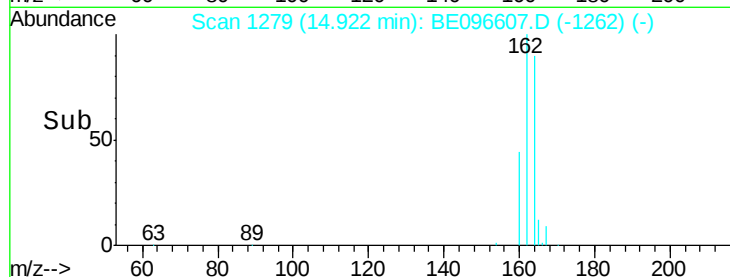
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.80 14.90 15.00 15.10



#14

2,4,6-Tribromophenol

Concen: 0.25 ng

RT: 16.40 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

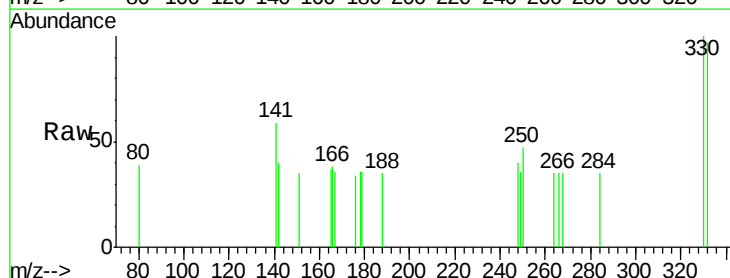
Tgt Ion:330 Resp: 155

Ion Ratio Lower Upper

330 100

332 92.9 152.7 229.1#

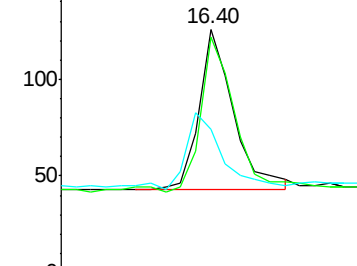
141 47.1 33.7 50.5



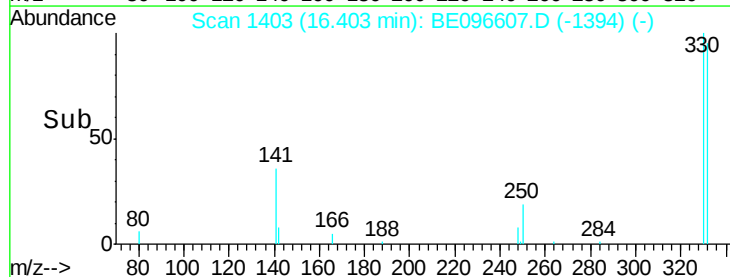
Abundance Ion 330.00 (329.70 to 330.70): E

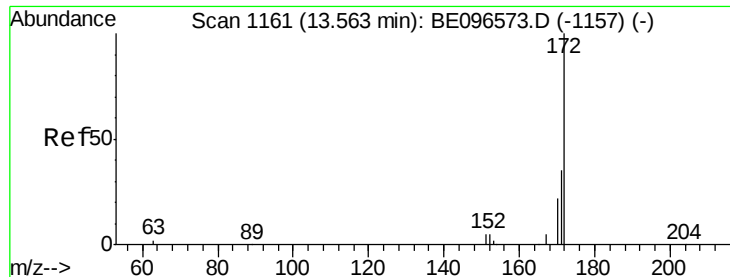
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.30 16.40

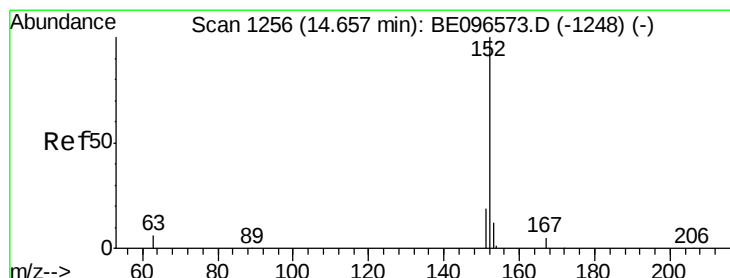
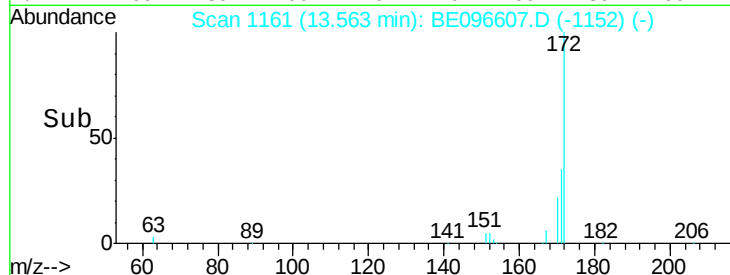
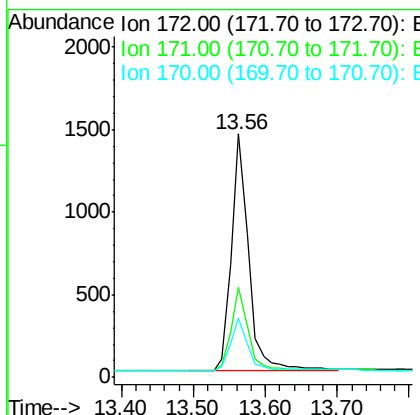
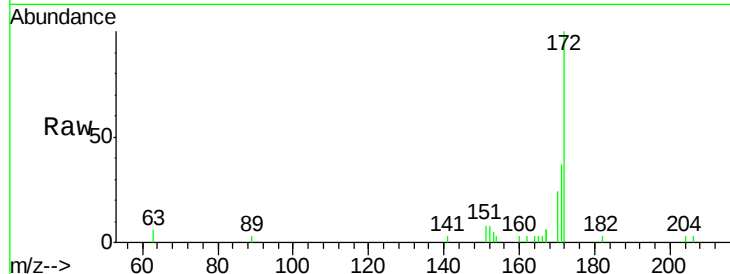




#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

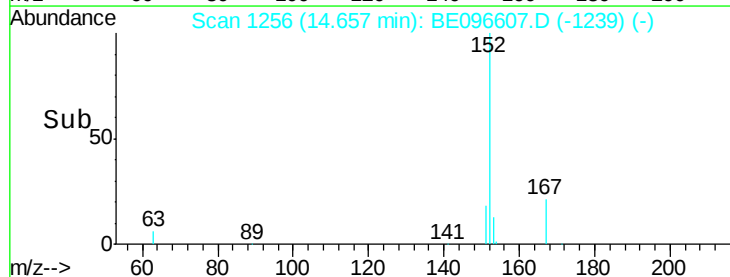
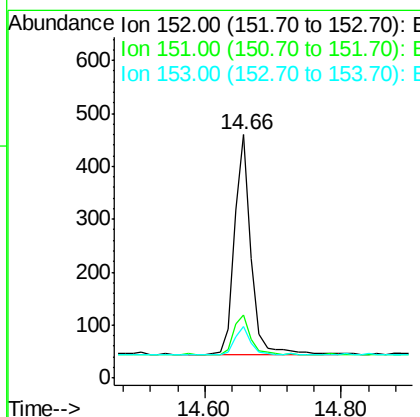
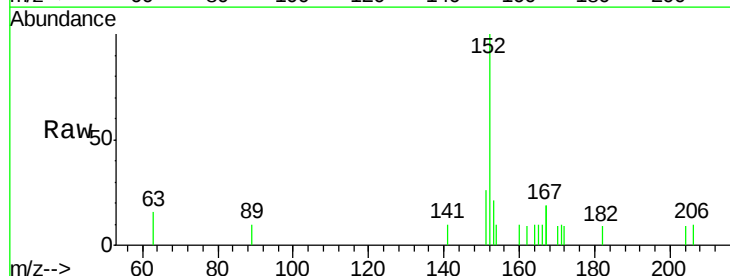
Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

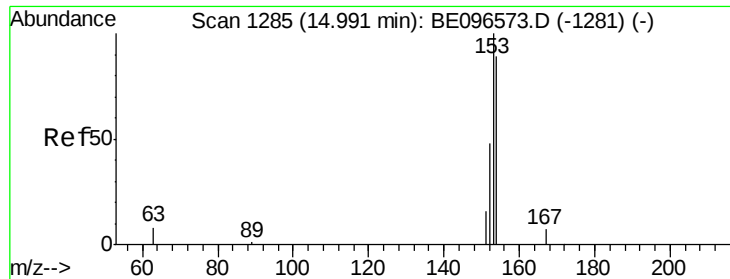
Tgt Ion:172 Resp: 2376
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 24.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.09 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:152 Resp: 710
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.8 10.5 15.7





#17

Acenaphthene

Concen: 0.09 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

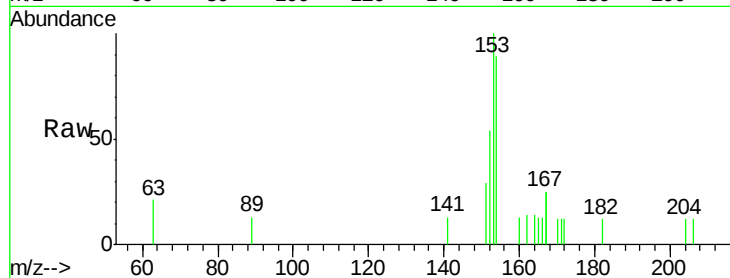
Tgt Ion:154 Resp: 453

Ion Ratio Lower Upper

154 100

153 118.8 89.2 133.8

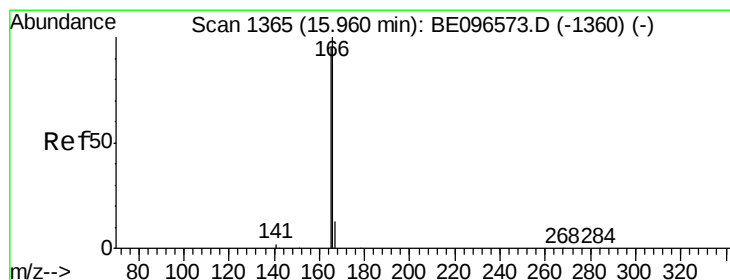
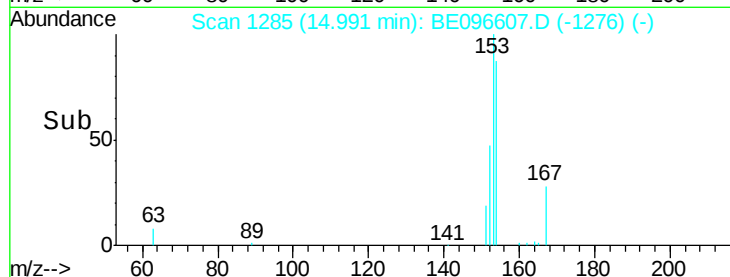
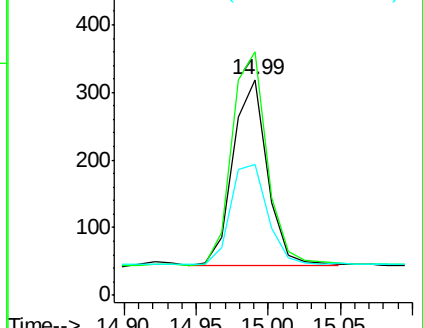
152 58.5 42.0 63.0



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: BE096607.D

Acq: 17 May 2018 13:35

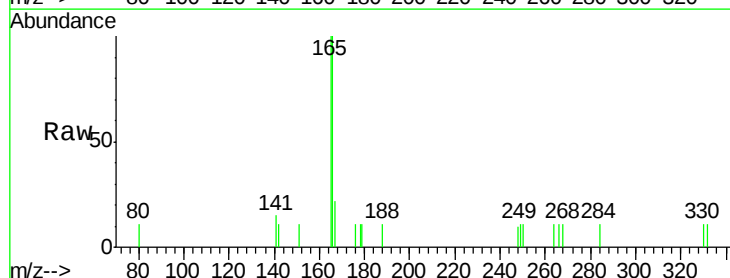
Tgt Ion:166 Resp: 562

Ion Ratio Lower Upper

166 100

165 101.8 77.8 116.6

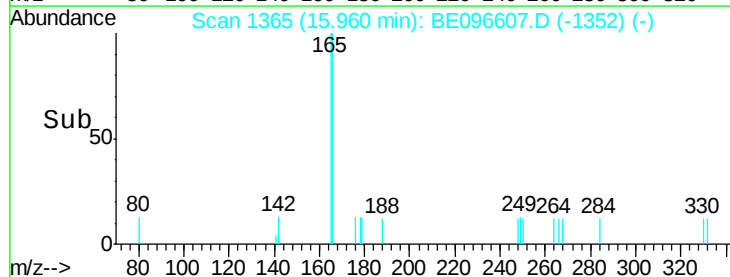
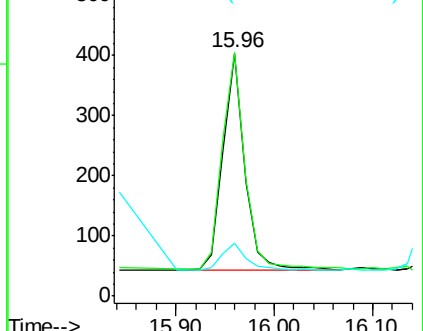
167 12.8 42.4 63.6#

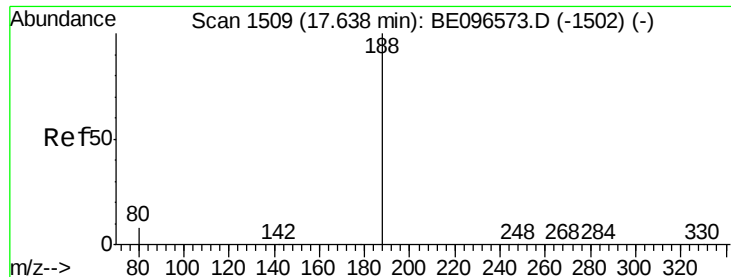


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

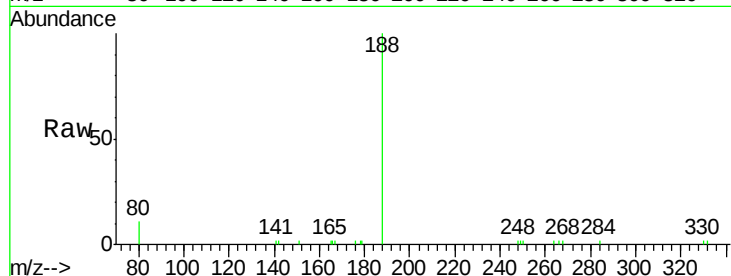
Tgt Ion:188 Resp: 3509

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

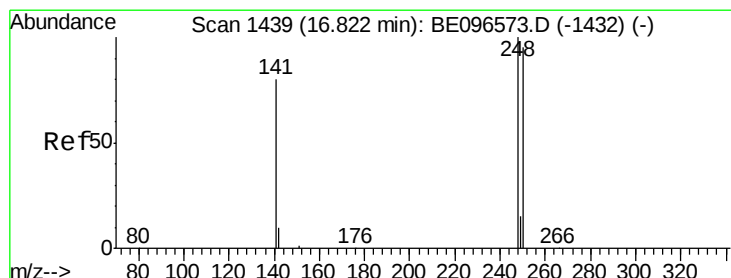
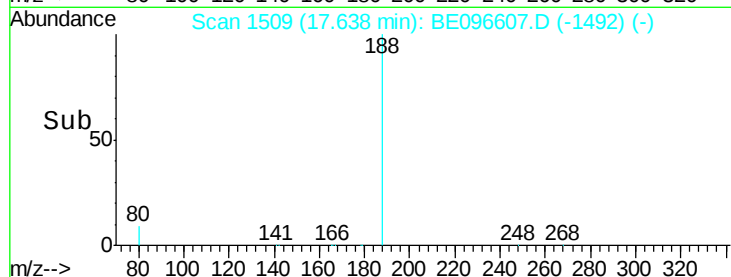
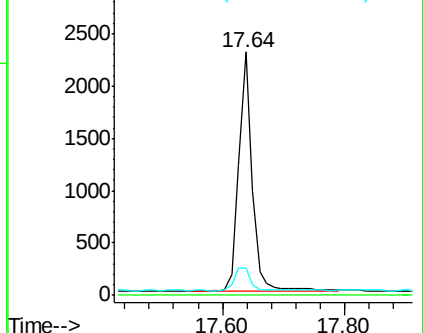
80 11.0 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.09 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

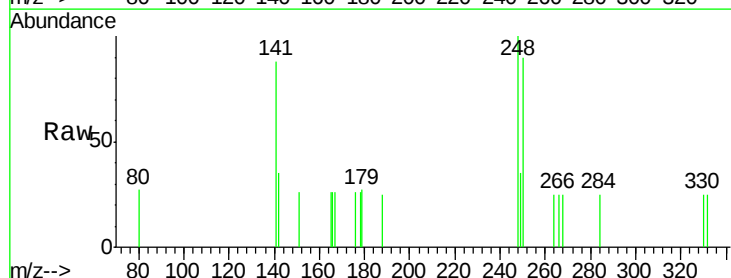
Tgt Ion:248 Resp: 196

Ion Ratio Lower Upper

248 100

250 90.3 62.7 94.1

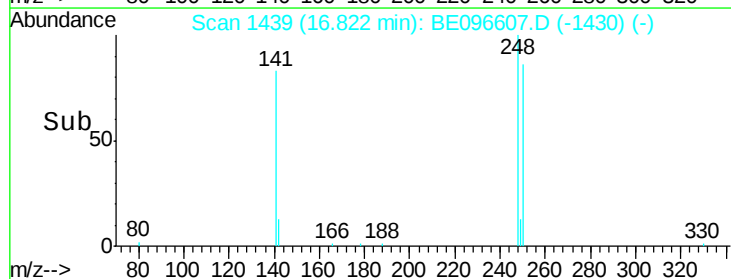
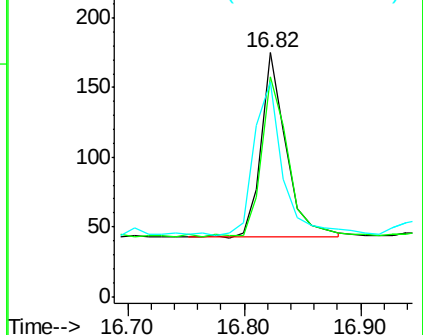
141 88.0 48.2 72.2#

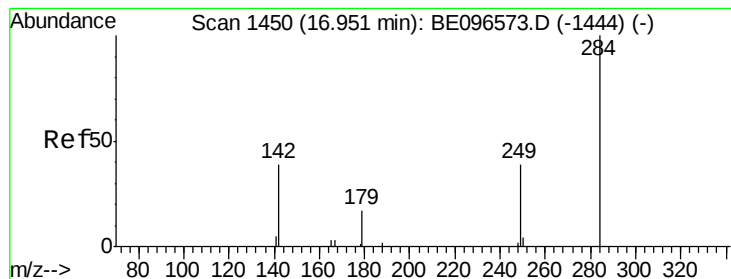


Abundance Ion 248.00 (247.70 to 248.70): E

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: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

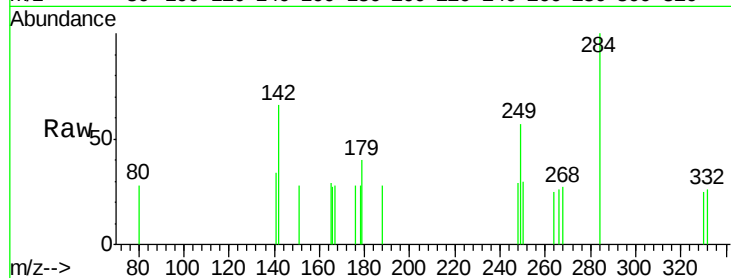
Tgt Ion:284 Resp: 206

Ion Ratio Lower Upper

284 100

142 52.4 22.1 33.1#

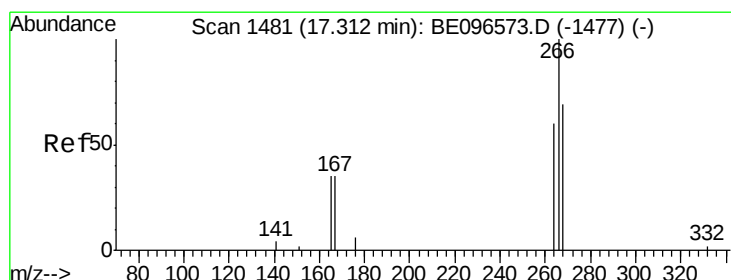
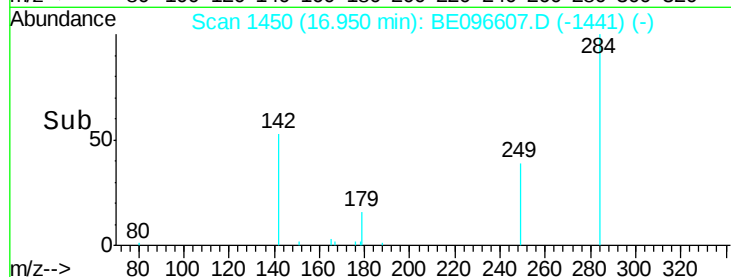
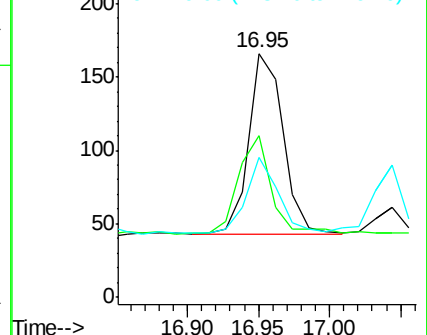
249 37.9 34.8 52.2



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: BE096607.D

Acq: 17 May 2018 13:35

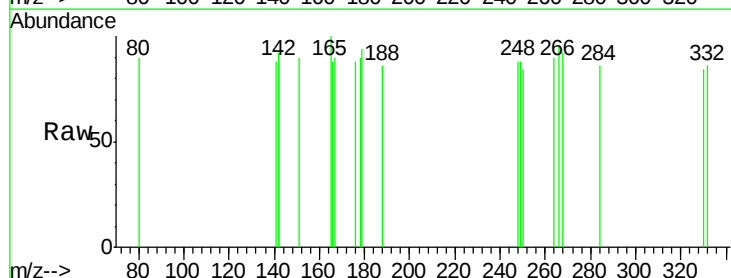
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

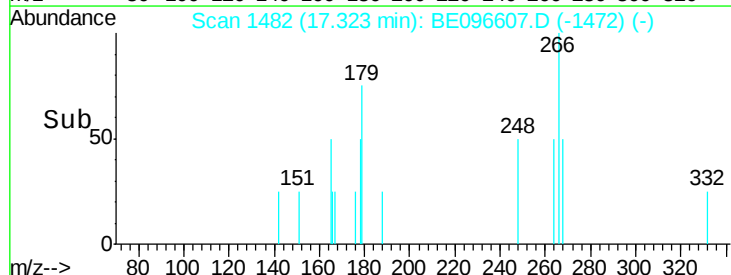
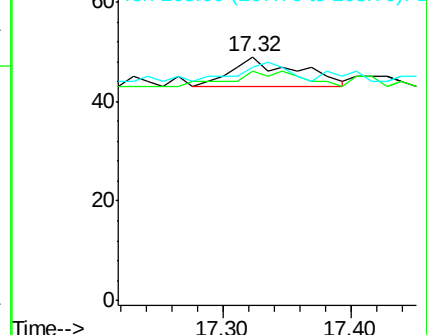
268 95.9 73.8 110.6

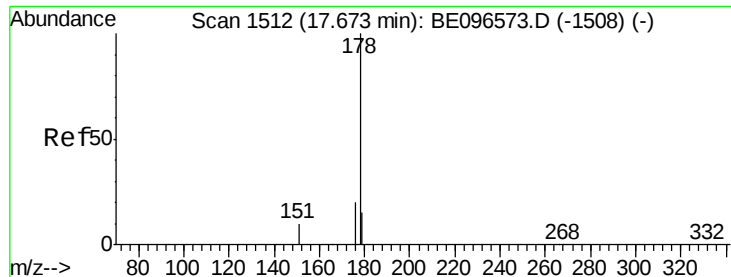


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

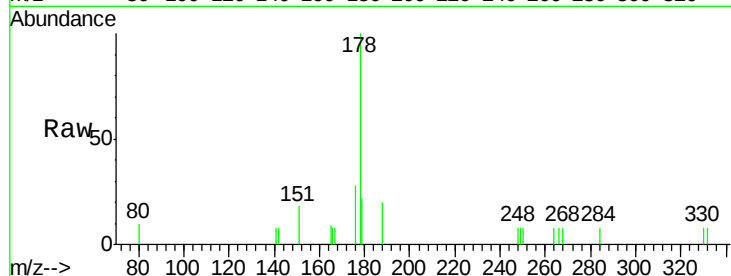
Tgt Ion:178 Resp: 901

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

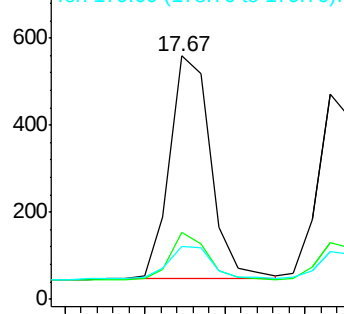
179 15.3 11.8 17.6



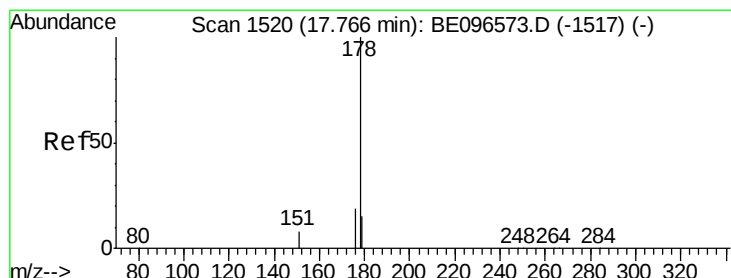
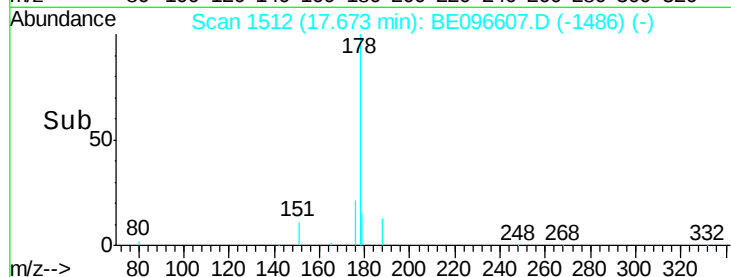
Abundance Ion 178.00 (177.70 to 178.70): E

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: BE096607.D

Acq: 17 May 2018 13:35

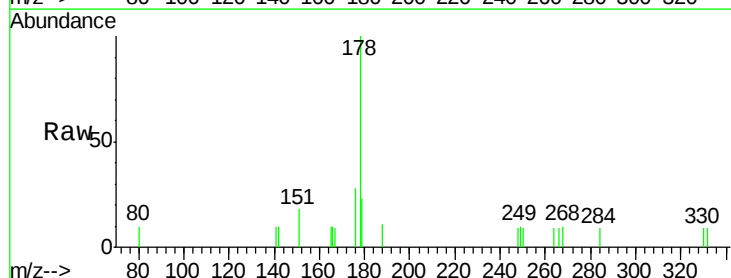
Tgt Ion:178 Resp: 777

Ion Ratio Lower Upper

178 100

176 19.8 12.8 19.2#

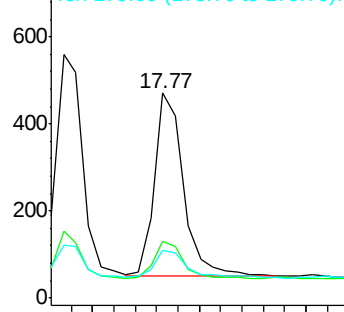
179 17.0 13.0 19.6



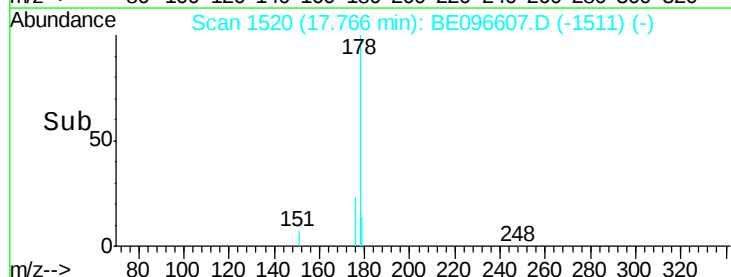
Abundance Ion 178.00 (177.70 to 178.70): E

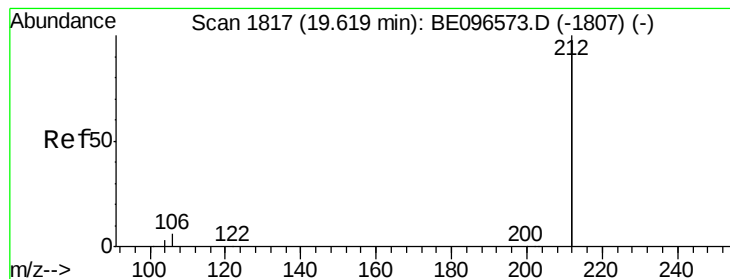
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.37 ng

RT: 19.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

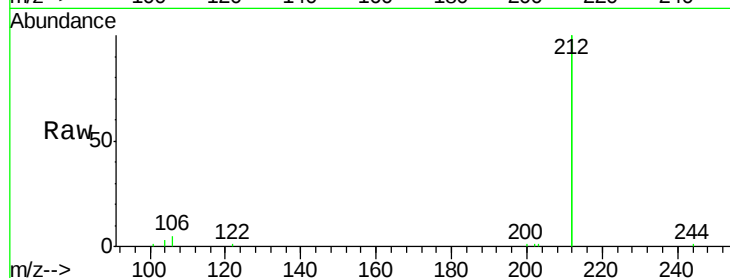
Tgt Ion:212 Resp: 15964

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2#

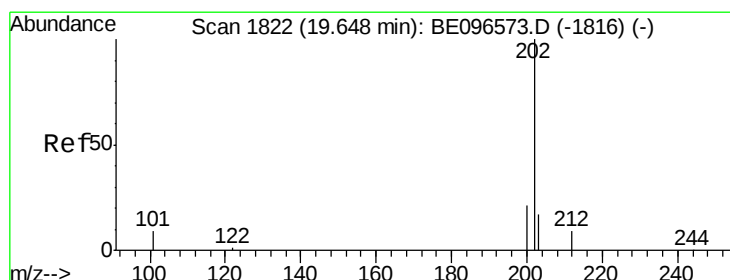
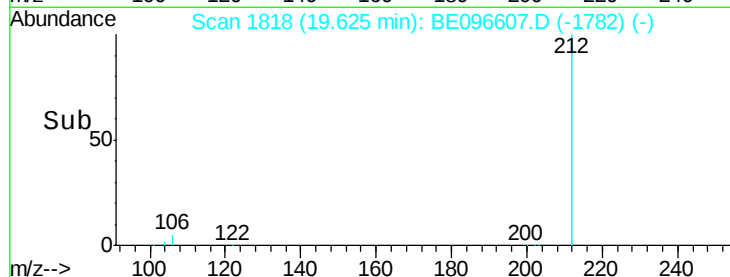
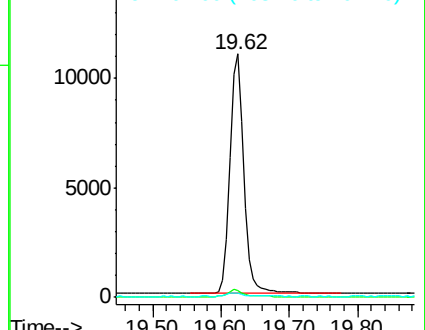
104 1.5 1.6 2.4#



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: BE096607.D

Acq: 17 May 2018 13:35

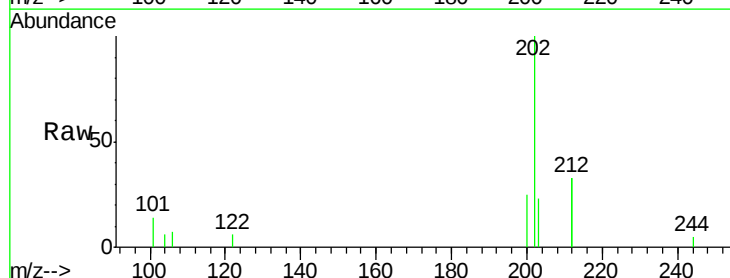
Tgt Ion:202 Resp: 1063

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

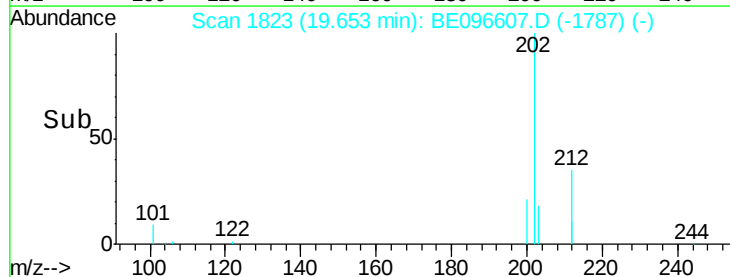
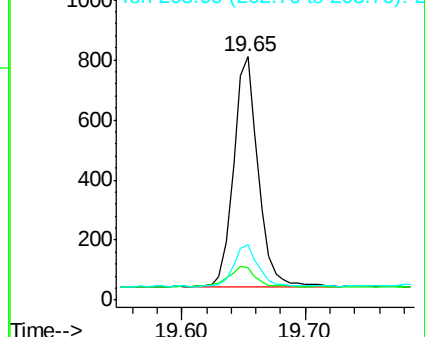
203 18.8 13.7 20.5



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: 21.74 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

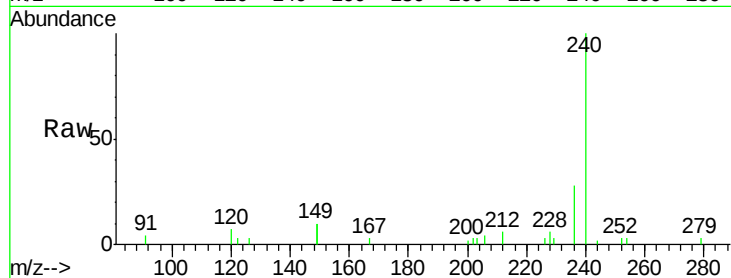
Tgt Ion:240 Resp: 3335

Ion Ratio Lower Upper

240 100

120 7.2 5.5 8.3

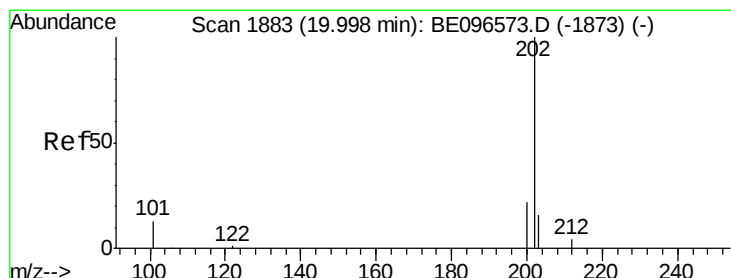
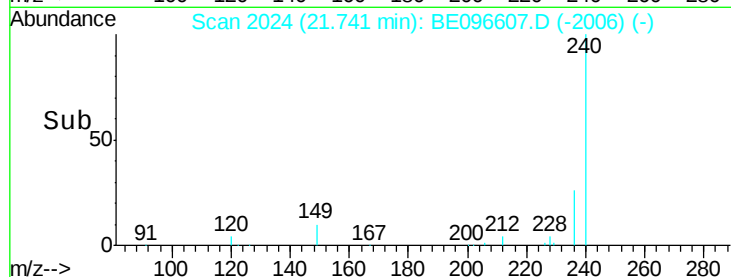
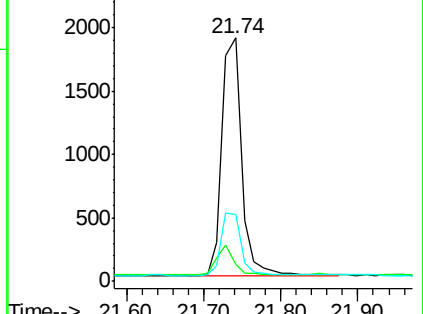
236 27.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.07 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

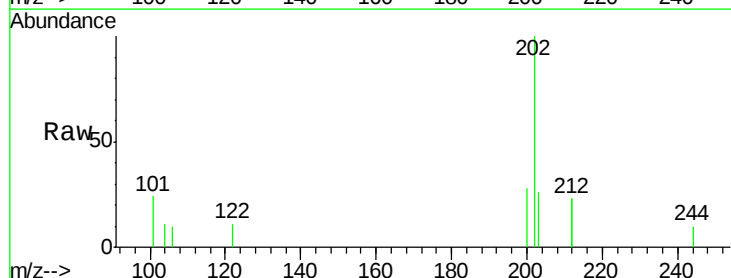
Tgt Ion:202 Resp: 438

Ion Ratio Lower Upper

202 100

200 24.9 16.6 25.0

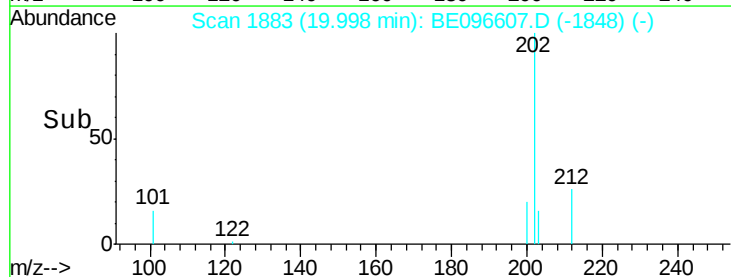
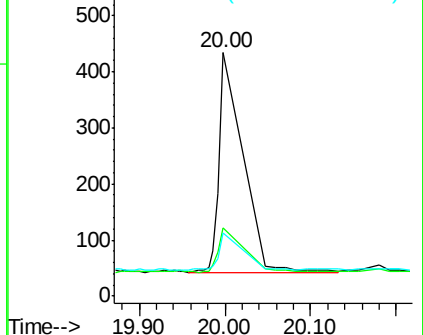
203 16.9 13.8 20.8



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: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

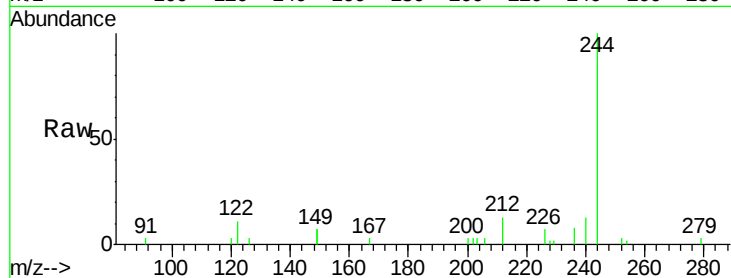
Tgt Ion:244 Resp: 2461

Ion Ratio Lower Upper

244 100

212 12.5 25.4 38.0#

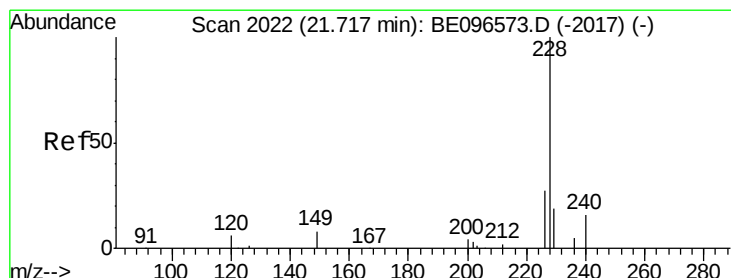
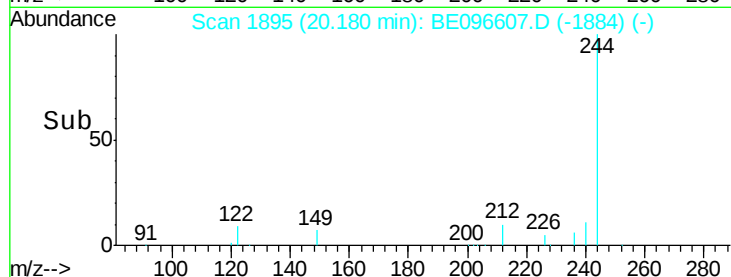
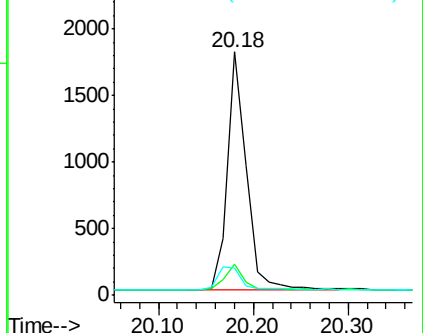
122 11.4 8.1 12.1



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: 0.10 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.06 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

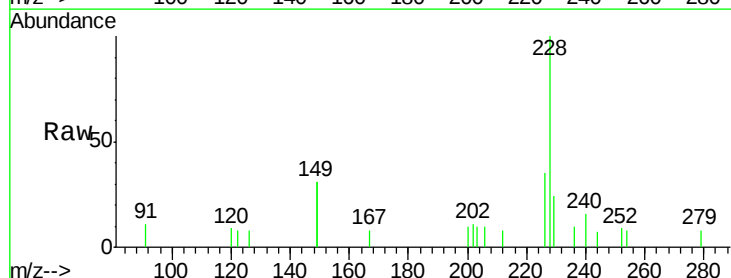
Tgt Ion:228 Resp: 1005

Ion Ratio Lower Upper

228 100

226 34.7 24.0 36.0

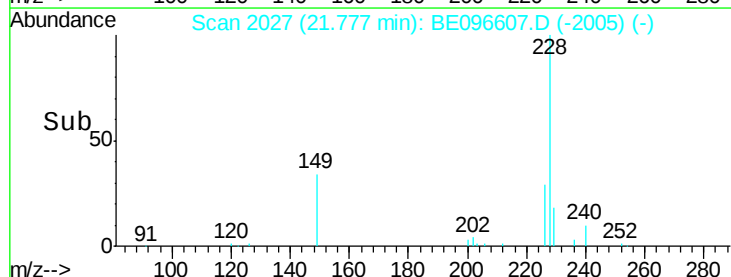
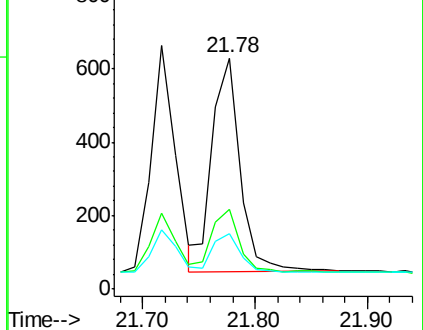
229 23.8 16.0 24.0

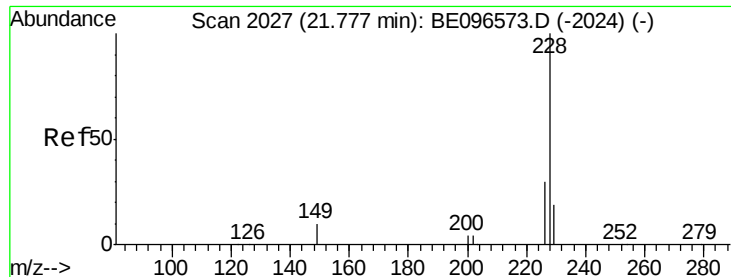


Abundance Ion 228.00 (227.70 to 228.70): E

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: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

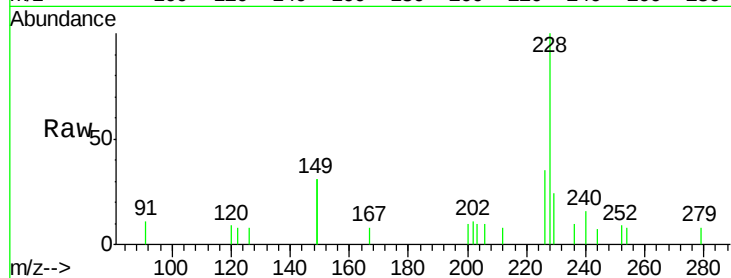
Tgt Ion: 228 Resp: 989

Ion Ratio Lower Upper

228 100

226 34.7 24.0 36.0

229 23.8 16.0 24.0

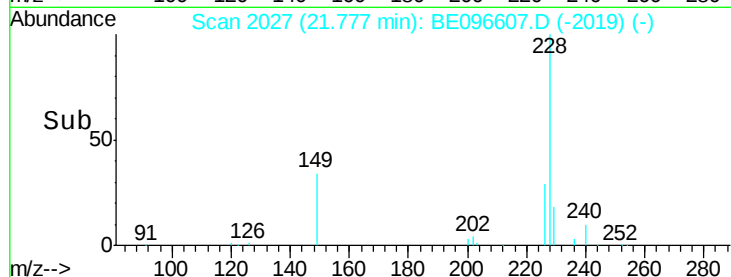


Abundance Ion 228.00 (227.70 to 228.70): E

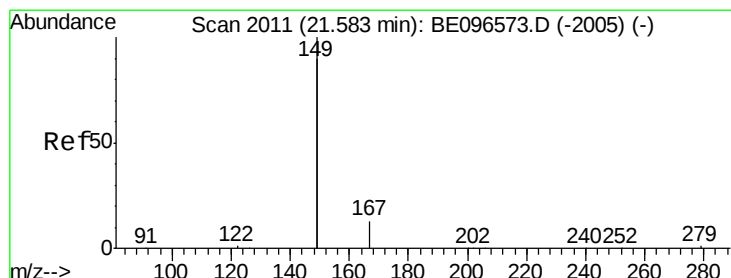
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.78



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

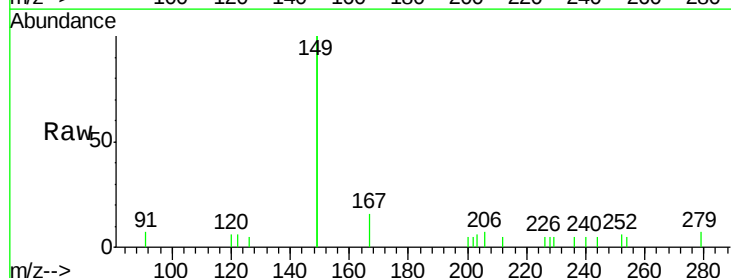
Tgt Ion: 149 Resp: 1801

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

279 1.1 0.7 1.1#

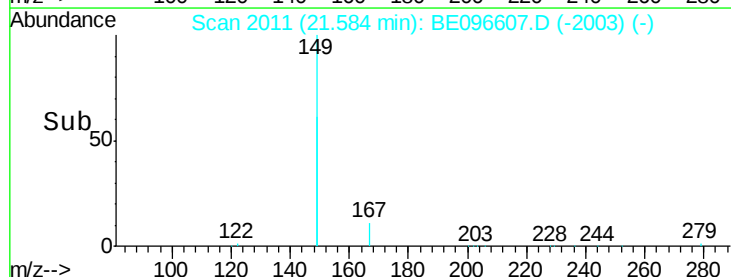


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.58



Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng

RT: 27.11 min Scan# 3468

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

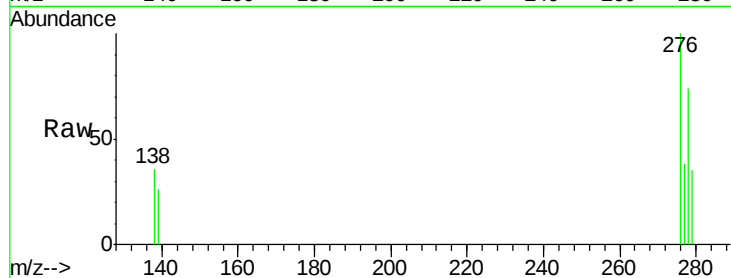
Tgt Ion:276 Resp: 842

Ion Ratio Lower Upper

276 100

138 20.9 22.5 33.7#

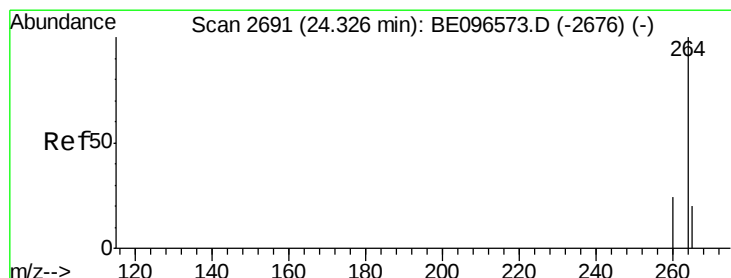
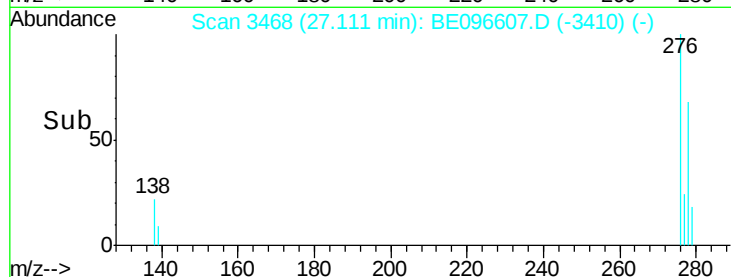
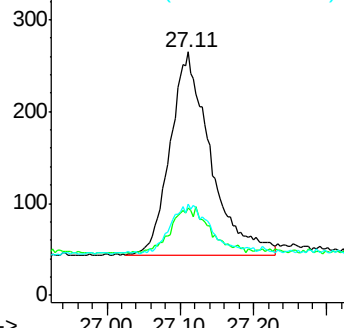
277 24.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

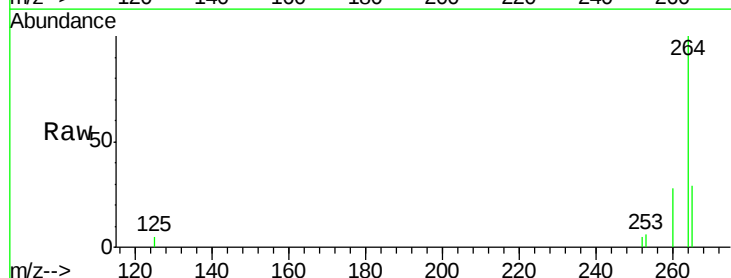
Tgt Ion:264 Resp: 3047

Ion Ratio Lower Upper

264 100

260 27.7 20.5 30.7

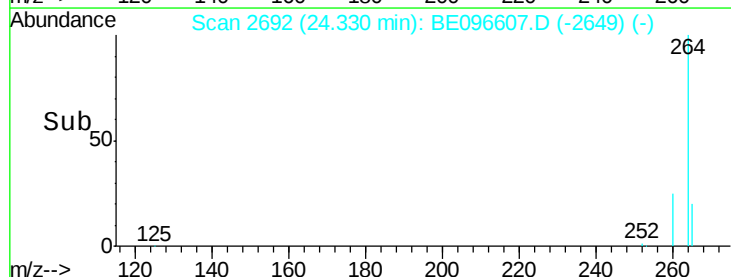
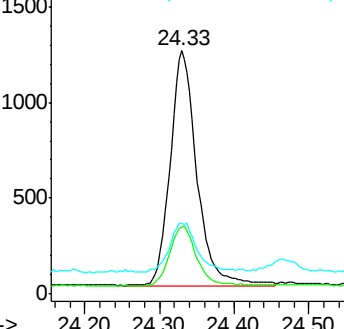
265 29.1 22.8 34.2

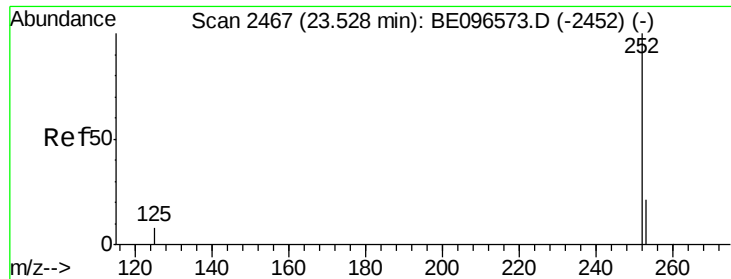


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 23.53 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

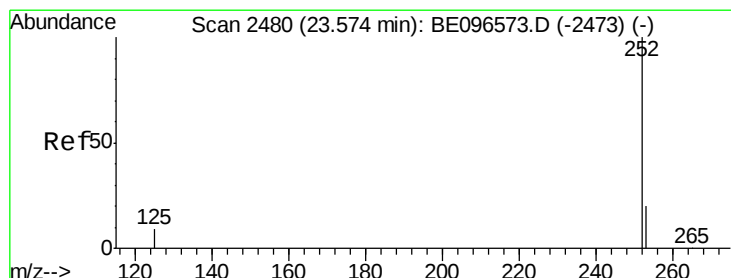
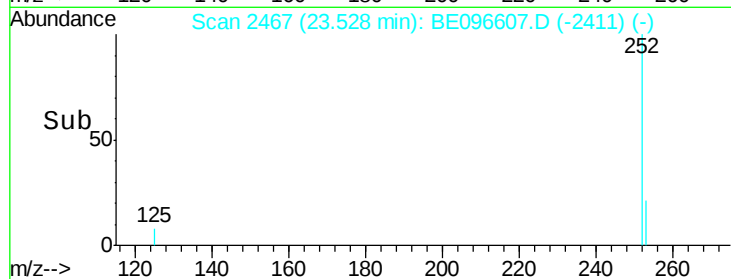
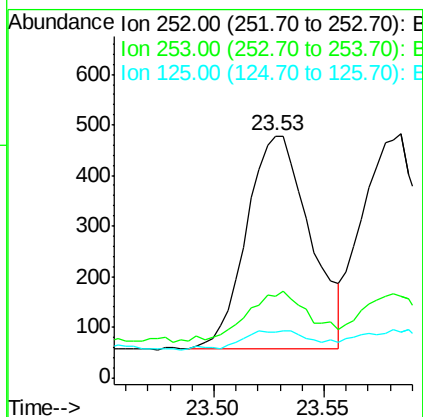
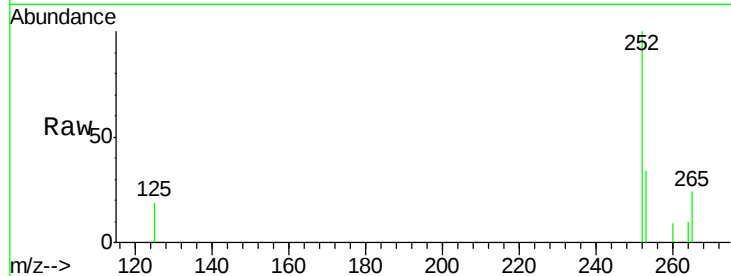
Tgt Ion:252 Resp: 844

Ion Ratio Lower Upper

252 100

253 33.7 20.0 30.0#

125 19.0 16.0 24.0



#36

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 23.58 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

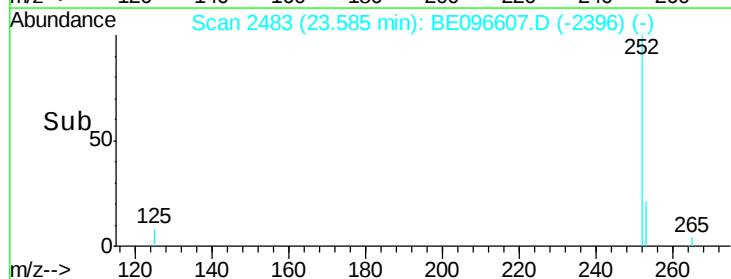
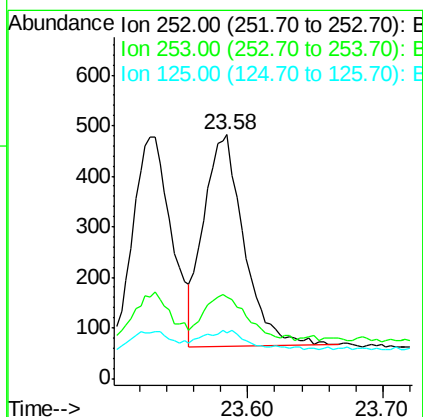
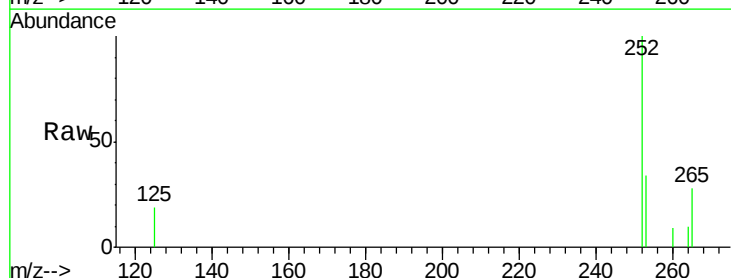
Tgt Ion:252 Resp: 872

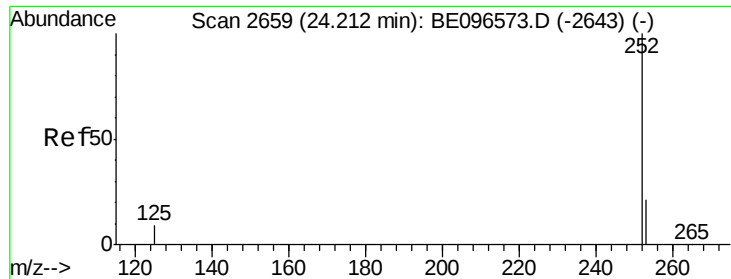
Ion Ratio Lower Upper

252 100

253 33.6 16.0 24.0#

125 18.7 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.09 ng

RT: 24.22 min Scan# 2661

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2

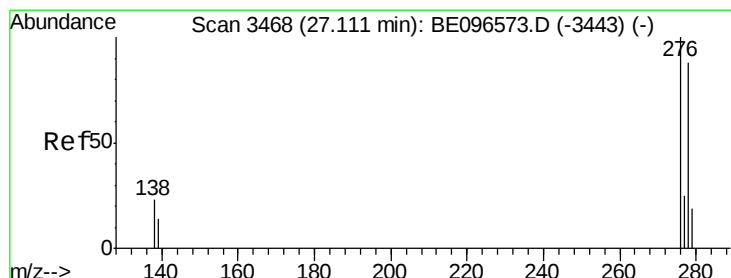
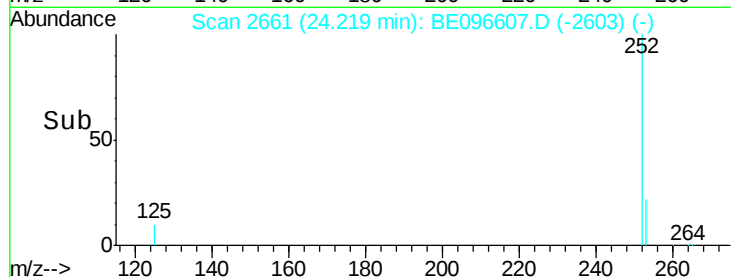
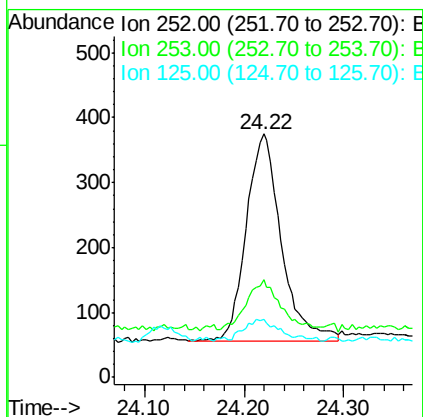
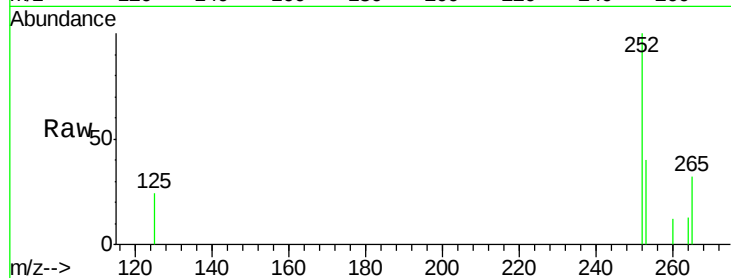
Tgt Ion: 252 Resp: 781

Ion Ratio Lower Upper

252 100

253 40.0 16.0 24.0#

125 23.7 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 27.12 min Scan# 3471

Delta R.T. 0.01 min

Lab File: BE096607.D

Acq: 17 May 2018 13:35

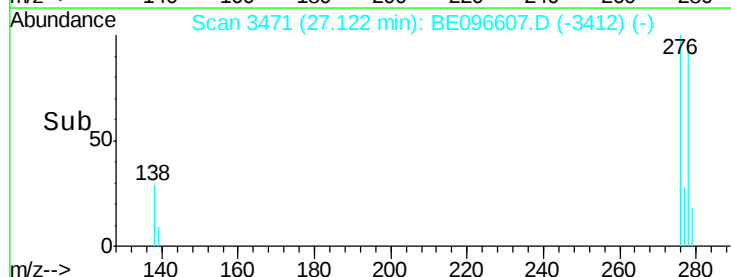
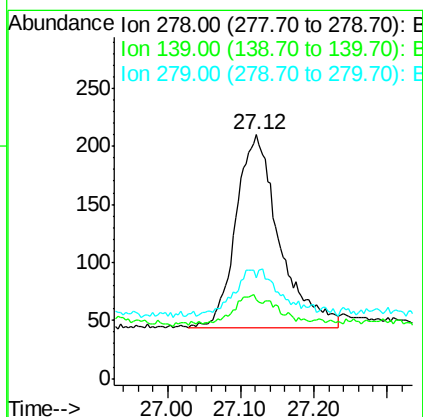
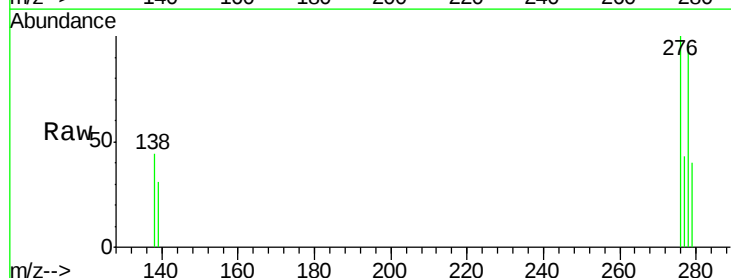
Tgt Ion: 278 Resp: 675

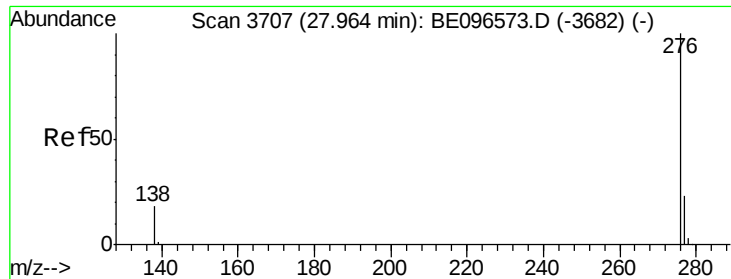
Ion Ratio Lower Upper

278 100

139 32.4 16.0 24.0#

279 41.4 20.0 30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.09 ng

RT: 27.97 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BE096607.D

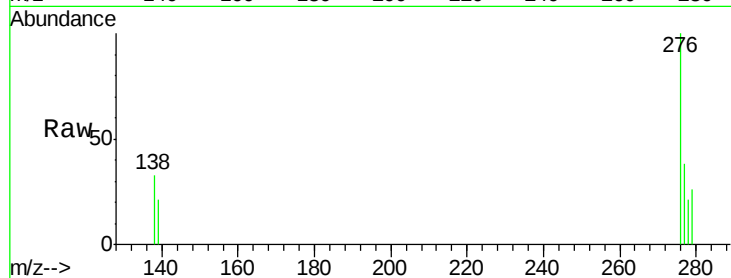
Acq: 17 May 2018 13:35

Instrument :

BNA_E

ClientSampleId :

LOQ-SCM-Precision-Bias-2



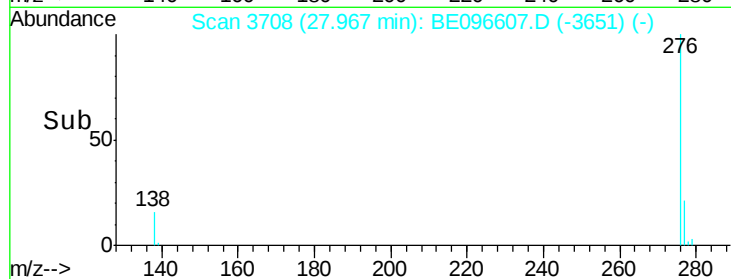
Tgt Ion: 276 Resp: 739

Ion Ratio Lower Upper

276 100

277 37.8 16.0 24.0#

138 33.0 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

