

Data File : BE096611.D
Acq On : 17 May 2018 15:58
Operator : SJ/JU
Sample : J2923-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 18 05:14:38 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	622	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	2609	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1522	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3534	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3271	0.40	ng	0.00
34) Perylene-d12	24.33	264	2984	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	574	0.33	ng	0.00
5) Phenol-d6	7.50	99	743	0.31	ng	0.00
8) Nitrobenzene-d5	9.53	82	961	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1529	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	157	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2356	0.36	ng	0.00
25) Fluoranthene-d10	19.62	212	15675	0.36	ng	0.00
29) Terphenyl-d14	20.18	244	2404	0.32	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.59	88	91	0.10	ng	88
3) n-Nitrosodimethylamine	3.98	42	69	0.06	ng	# 76
6) bis(2-Chloroethyl)ether	7.75	93	201	0.09	ng	90
9) Naphthalene	11.23	128	2390	0.09	ng	# 92
10) Hexachlorobutadiene	11.49	225	126	0.08	ng	89
12) 2-Methylnaphthalene	12.79	142	415	0.09	ng	# 87
16) Acenaphthylene	14.66	152	643	0.08	ng	95
17) Acenaphthene	14.99	154	430	0.09	ng	90
18) Fluorene	15.96	166	504	0.08	ng	# 52
20) 4-Bromophenyl-phenylether	16.82	248	183	0.09	ng	# 75
21) Hexachlorobenzene	16.95	284	196	0.09	ng	# 83
22) Pentachlorophenol	17.32	266	21	0.21	ng	98
23) Phenanthrene	17.67	178	854	0.09	ng	99
24) Anthracene	17.77	178	712	0.08	ng	# 96
26) Fluoranthene	19.65	202	1020	0.09	ng	# 96
28) Pyrene	20.00	202	474	0.08	ng	97
30) Benzo(a)anthracene	21.72	228	824	0.08	ng	# 92
31) Chrysene	21.78	228	913	0.09	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.58	149	1642	0.08	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.10	276	349	0.03	ng	# 57
35) Benzo(b)fluoranthene	23.52	252	789	0.09	ng	# 90
36) Benzo(k)fluoranthene	23.58	252	830	0.09	ng	# 66
37) Benzo(a)pyrene	24.22	252	734	0.08	ng	# 67
38) Dibenzo(a,h)anthracene	27.12	278	613	0.08	ng	# 63
39) Benzo(g,h,i)perylene	27.97	276	683	0.08	ng	# 65

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

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BNA_E

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LOQ-NPW-Precision-Bias-2

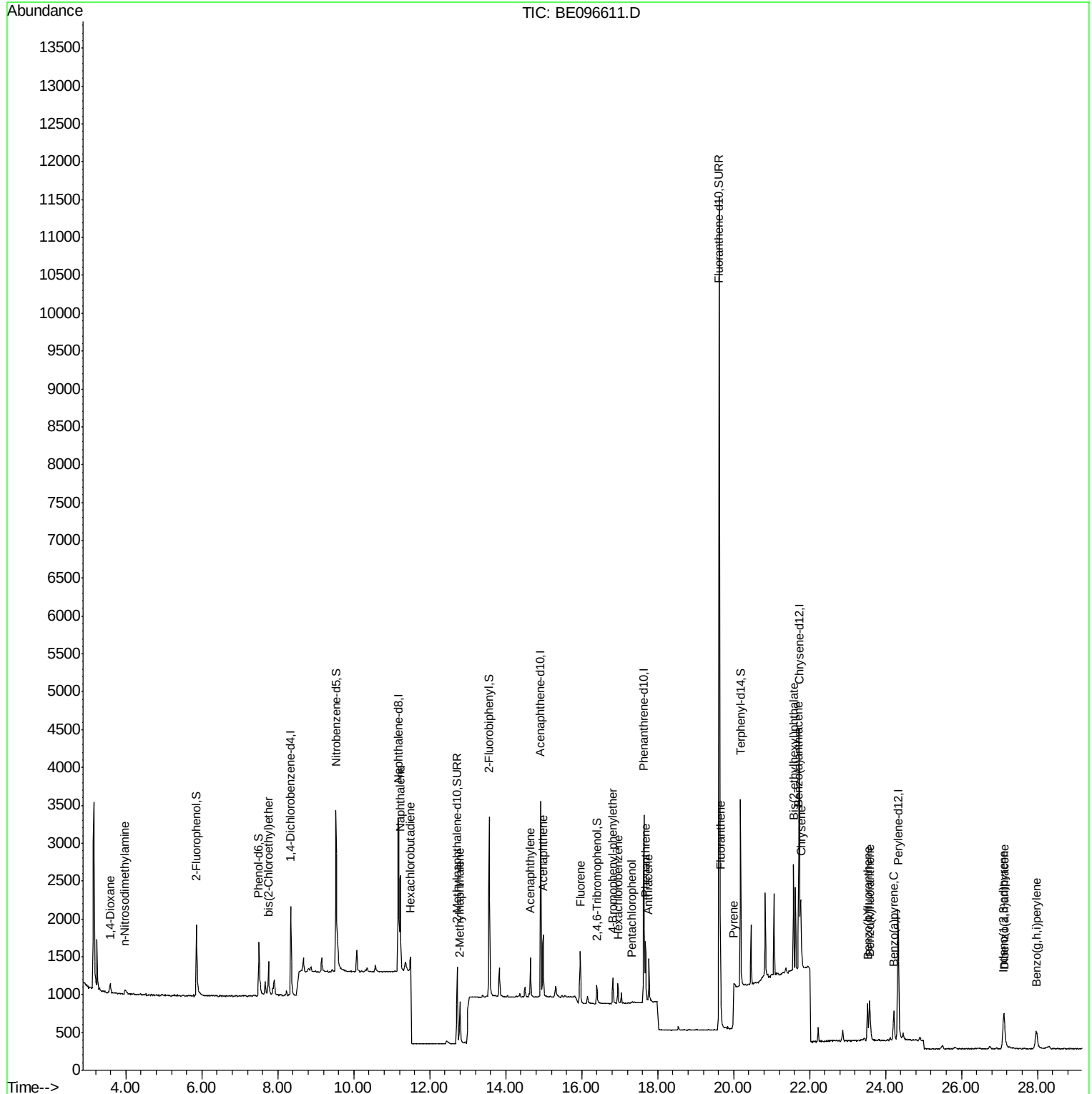
Quant Time: May 18 05:14:38 2018

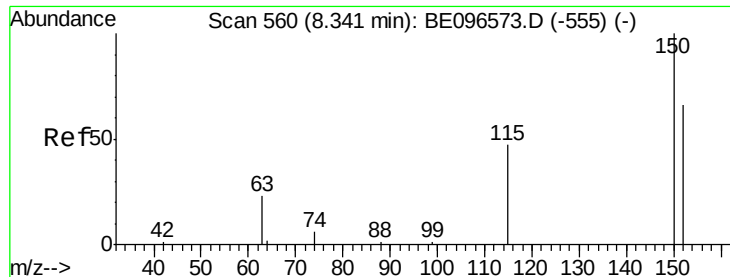
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M

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: BE096611.D

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Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

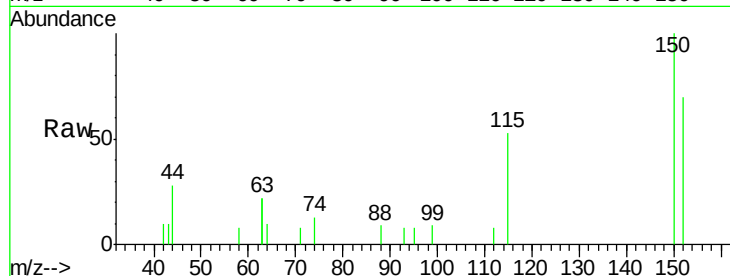
Tgt Ion:152 Resp: 622

Ion Ratio Lower Upper

152 100

150 143.3 117.2 175.8

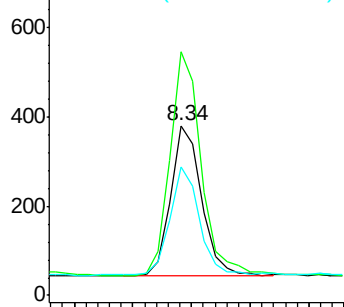
115 75.6 57.0 85.6



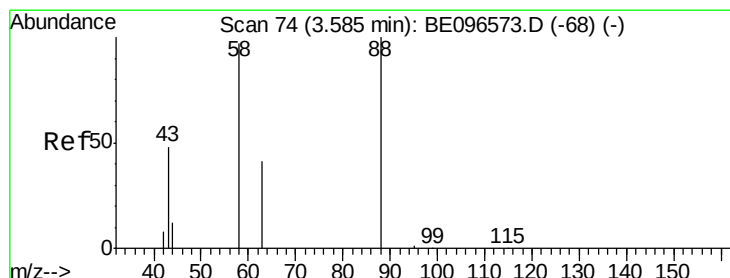
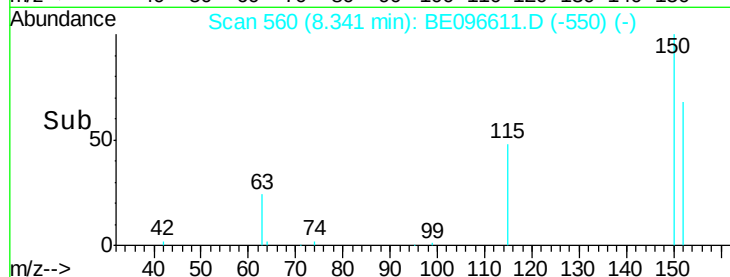
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 8.25 8.30 8.35 8.40 8.45



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 3.59 min Scan# 74

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

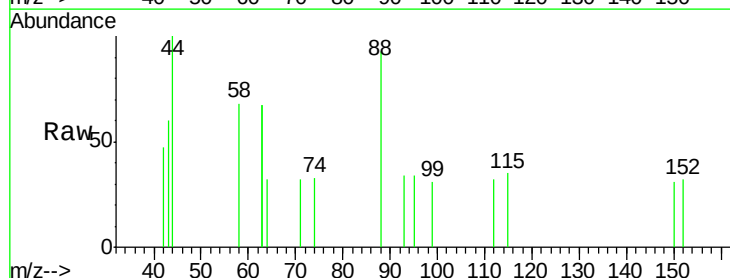
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

58 92.3 63.2 94.8

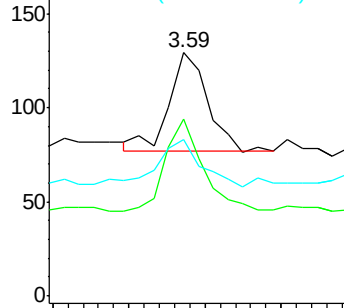
43 57.1 41.2 61.8



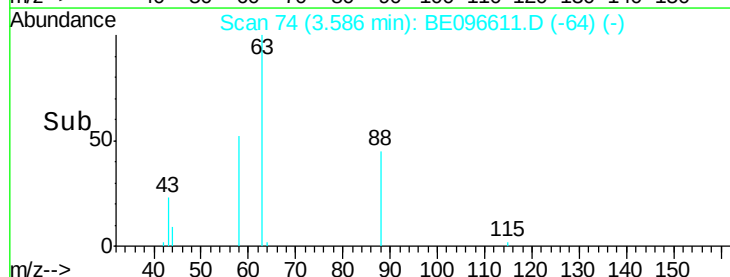
Abundance Ion 88.00 (87.70 to 88.70): BE0

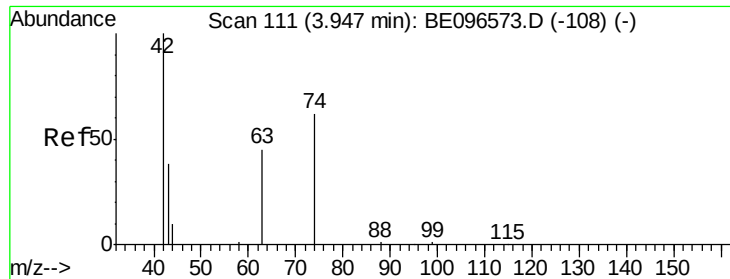
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time--> 3.50 3.55 3.60 3.65





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.98 min Scan# 114

Delta R.T. 0.03 min

Lab File: BE096611.D

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Instrument :

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ClientSampleId :

LOQ-NPW-Precision-Bias-2

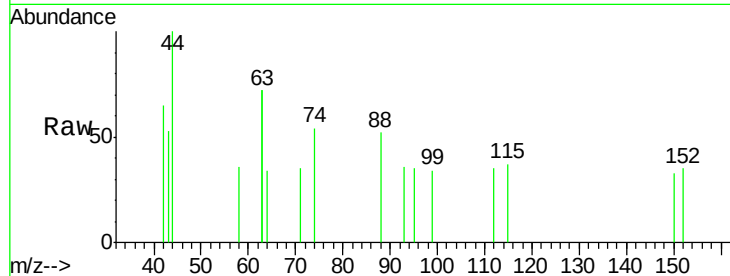
Tgt Ion: 42 Resp: 69

Ion Ratio Lower Upper

42 100

74 94.2 96.0 144.0#

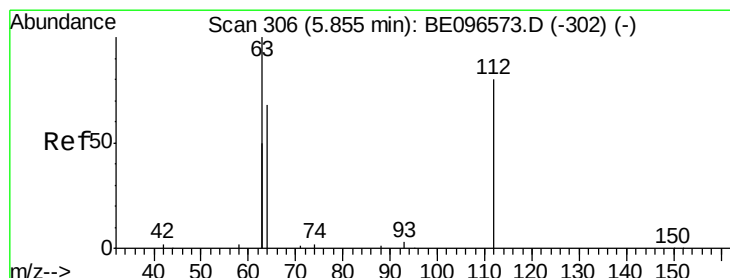
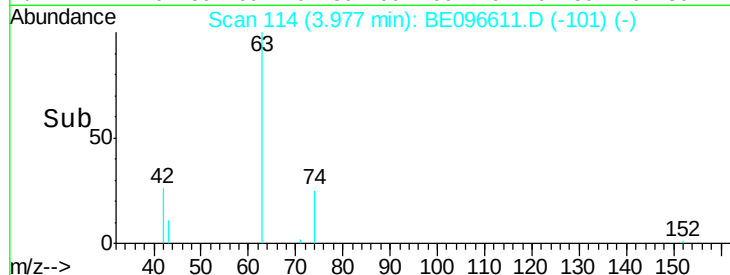
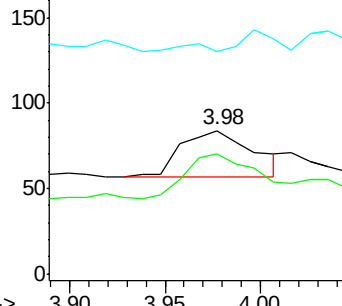
44 27.5 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.33 ng

RT: 5.86 min Scan# 306

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

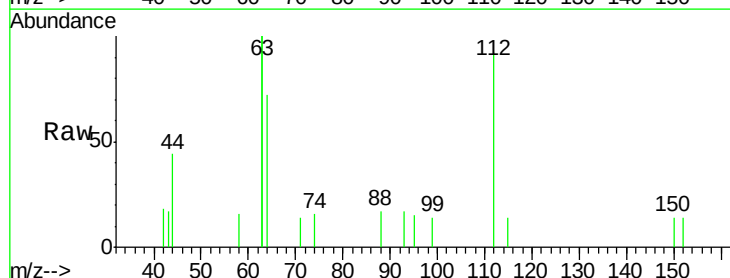
Tgt Ion: 112 Resp: 574

Ion Ratio Lower Upper

112 100

64 76.0 60.1 90.1

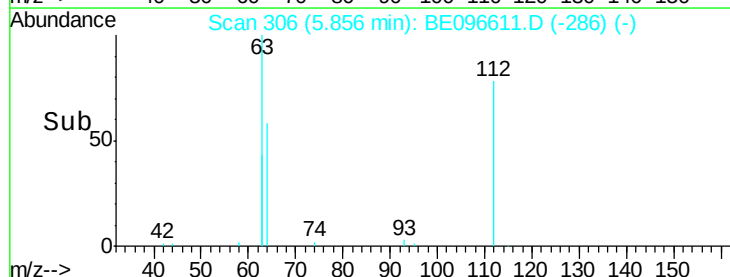
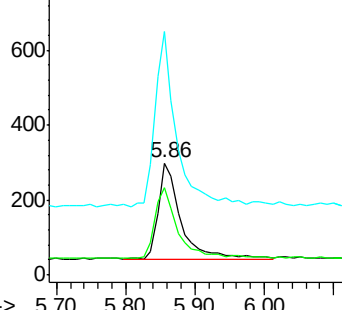
63 173.7 116.8 175.2

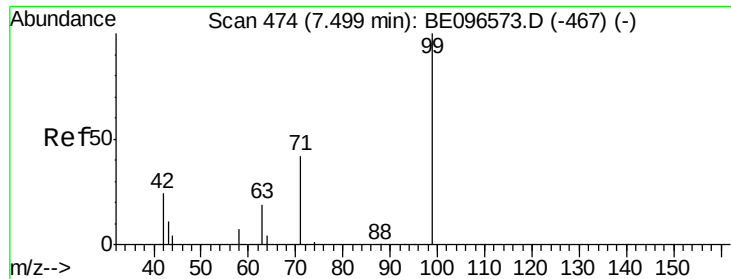


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.31 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

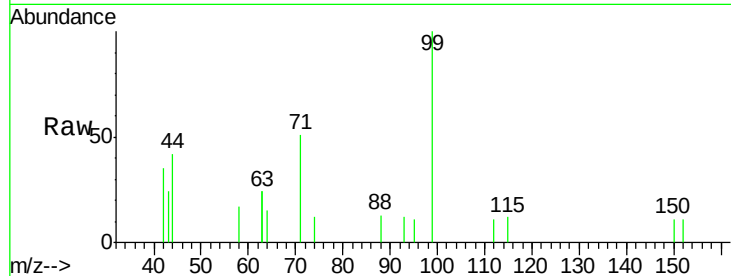
Tgt Ion: 99 Resp: 743

Ion Ratio Lower Upper

99 100

42 28.9 20.2 30.2

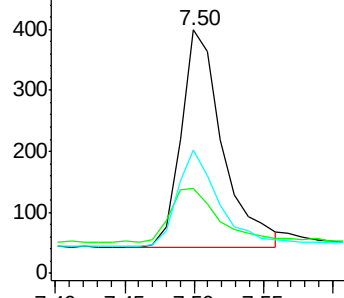
71 44.3 28.4 42.6#



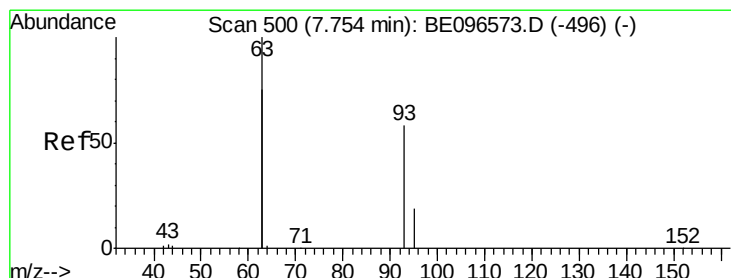
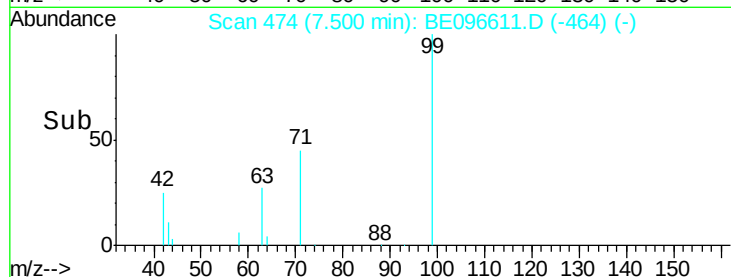
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.75 min Scan# 500

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

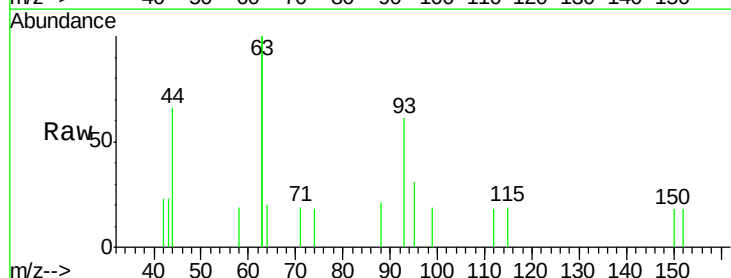
Tgt Ion: 93 Resp: 201

Ion Ratio Lower Upper

93 100

63 321.4 275.3 412.9

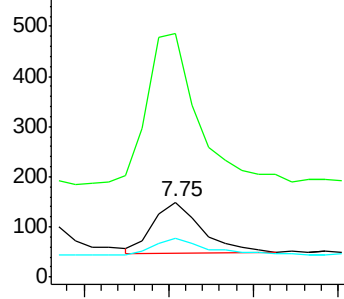
95 35.8 25.2 37.8



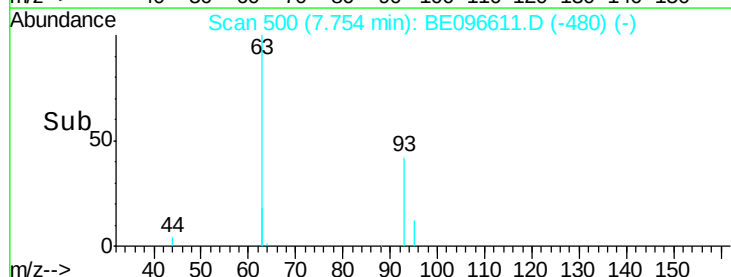
Abundance Ion 93.00 (92.70 to 93.70): BE0

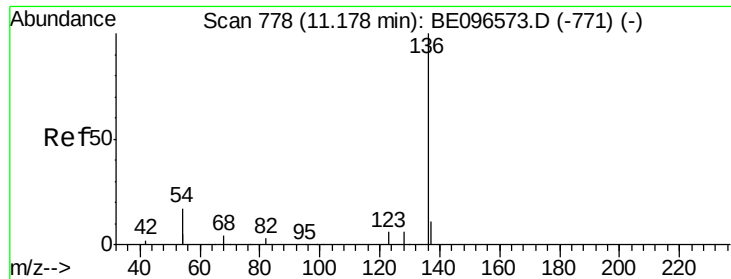
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

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ClientSampleId :

LOQ-NPW-Precision-Bias-2

Tgt Ion:136 Resp: 2609

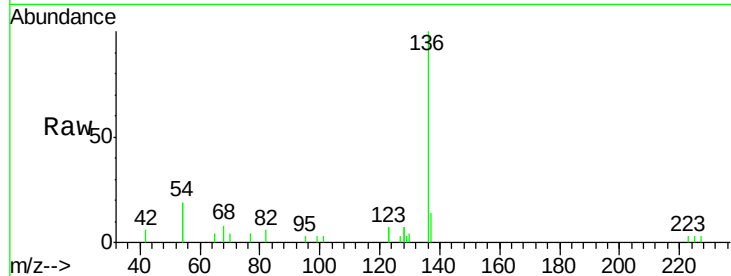
Ion Ratio Lower Upper

136 100

137 14.1 9.5 14.3

54 38.9 29.1 43.7

68 7.7 6.2 9.2

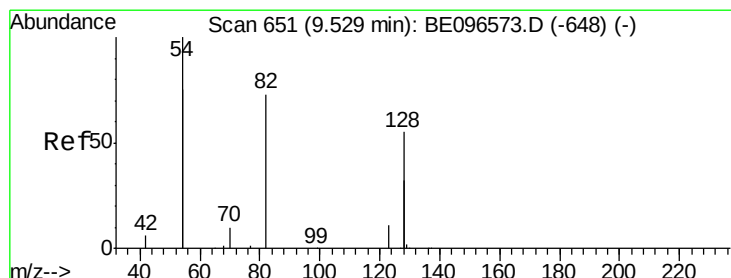
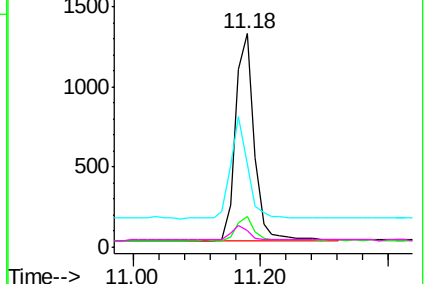
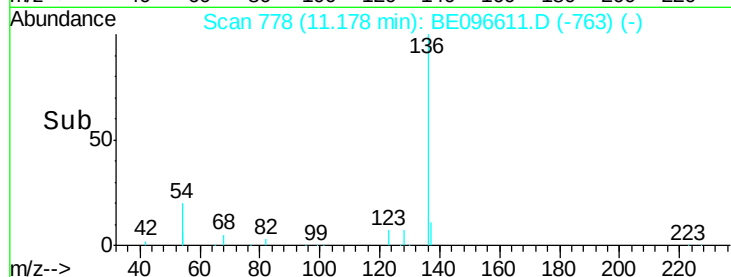


Abundance Ion 136.00 (135.70 to 136.70): E

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: BE096611.D

Acq: 17 May 2018 15:58

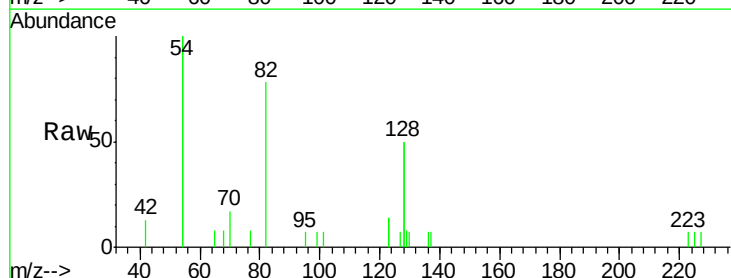
Tgt Ion: 82 Resp: 961

Ion Ratio Lower Upper

82 100

128 129.6 150.0 225.0#

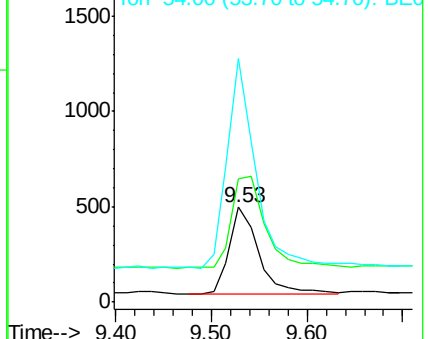
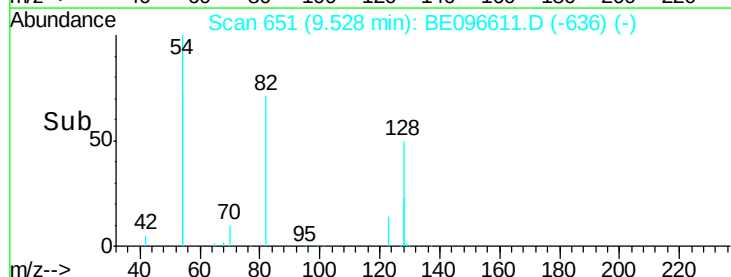
54 257.1 154.2 231.4#

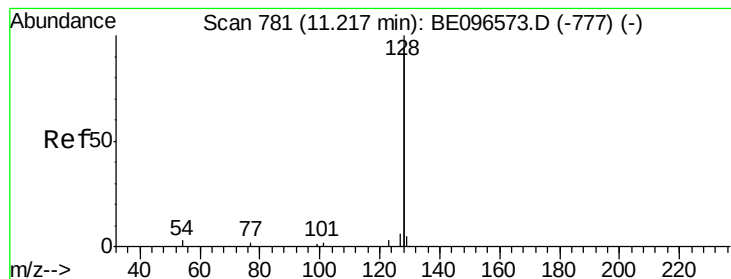


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.09 ng

RT: 11.23 min Scan# 782

Delta R.T. 0.01 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

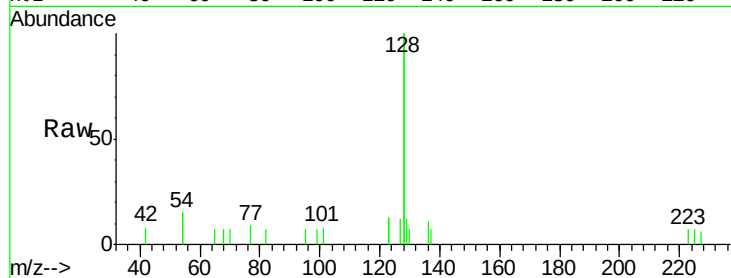
Tgt Ion:128 Resp: 2390

Ion Ratio Lower Upper

128 100

129 5.8 2.6 3.8#

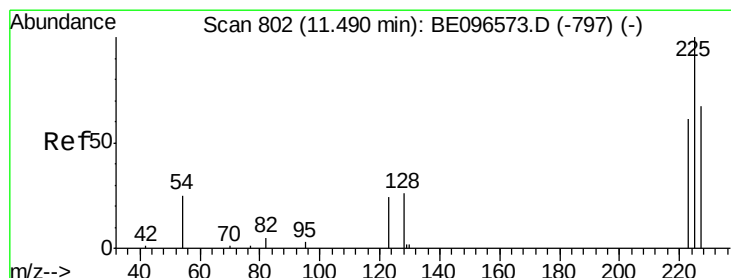
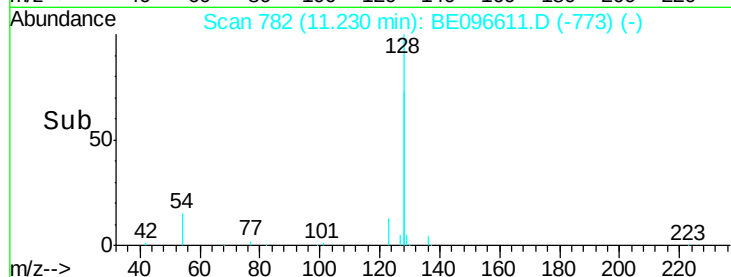
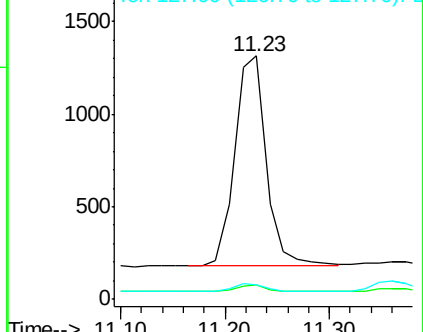
127 6.2 2.8 4.2#



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: 0.08 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

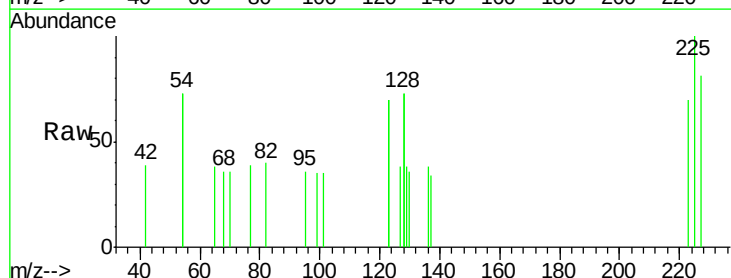
Tgt Ion:225 Resp: 126

Ion Ratio Lower Upper

225 100

223 73.8 53.0 79.6

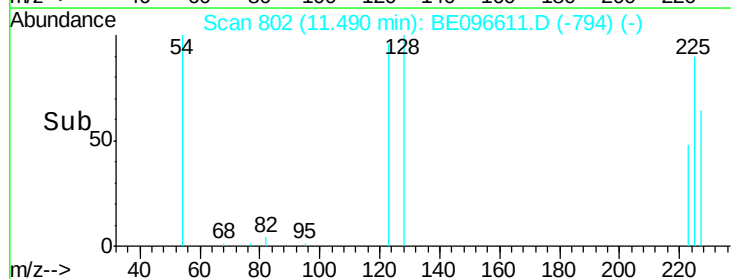
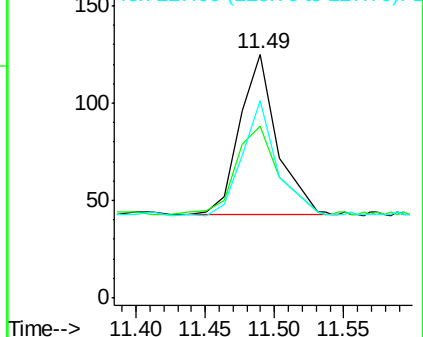
227 74.6 51.4 77.2

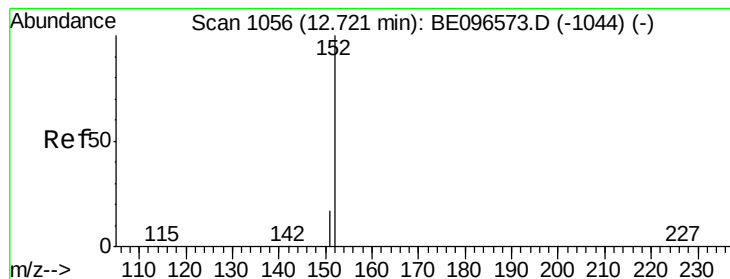


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

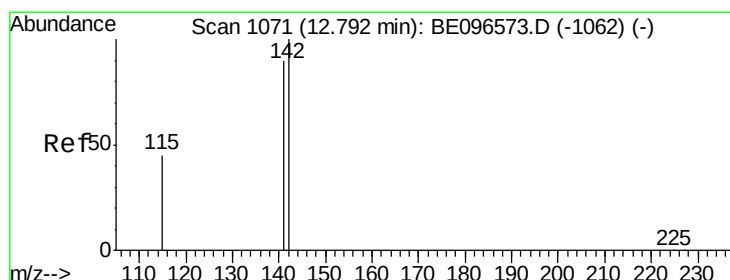
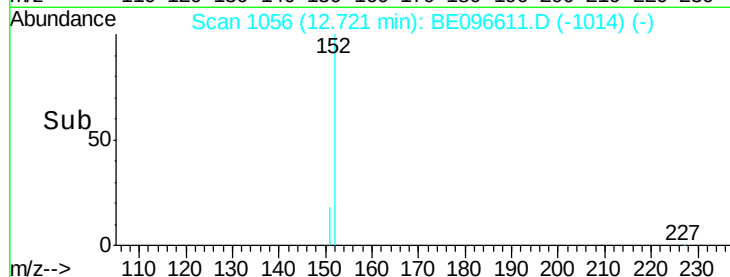
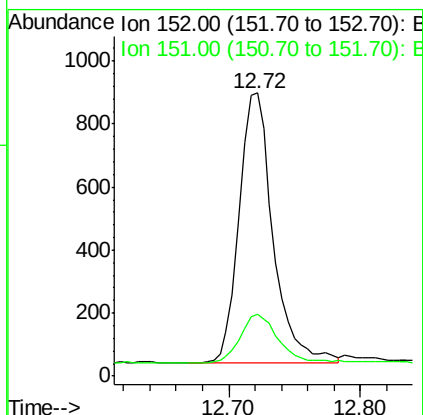
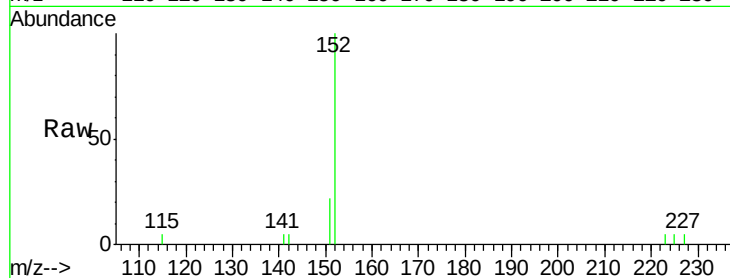




#11
 2-Methylnaphthalene-d10
 Concen: 0.36 ng
 RT: 12.72 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BE096611.D
 Acq: 17 May 2018 15:58

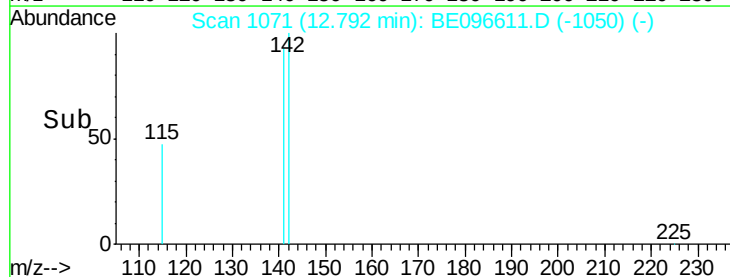
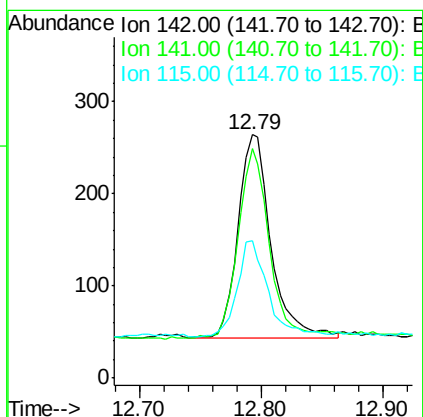
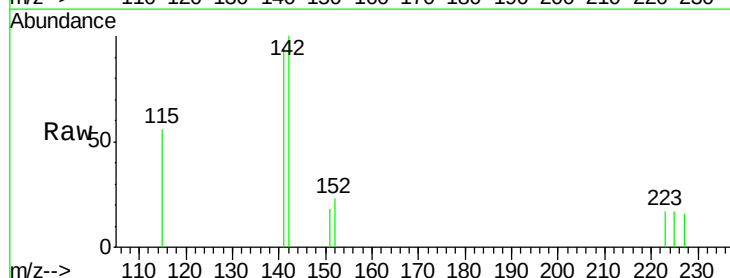
Instrument :
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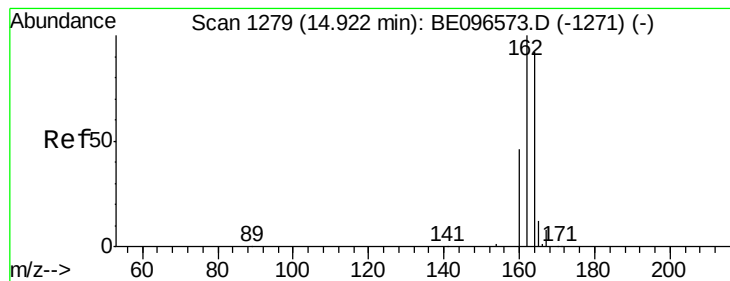
Tgt Ion: 152 Resp: 1529
 Ion Ratio Lower Upper
 152 100
 151 20.3 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.09 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. 0.00 min
 Lab File: BE096611.D
 Acq: 17 May 2018 15:58

Tgt Ion: 142 Resp: 415
 Ion Ratio Lower Upper
 142 100
 141 94.3 70.4 105.6
 115 56.4 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: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

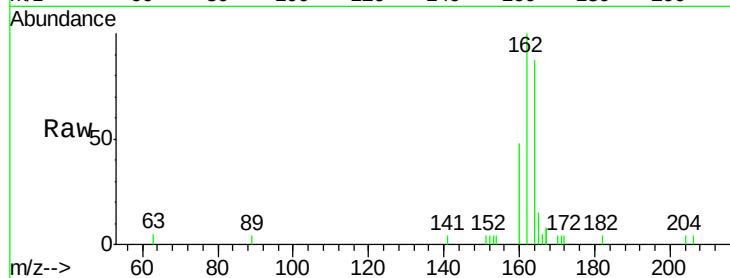
Tgt Ion:164 Resp: 1522

Ion Ratio Lower Upper

164 100

162 114.7 83.1 124.7

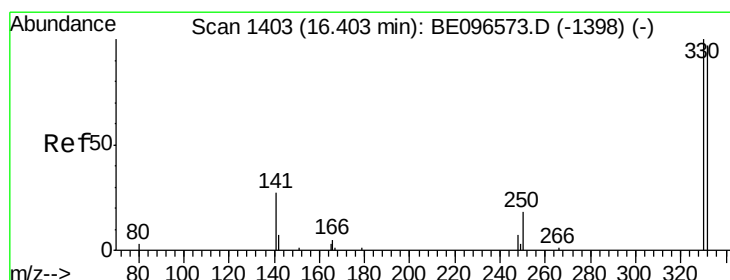
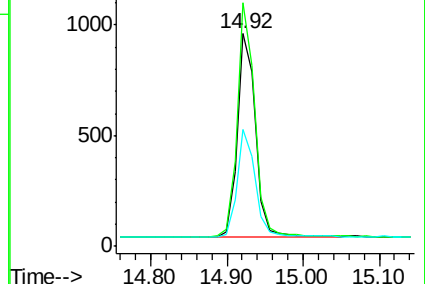
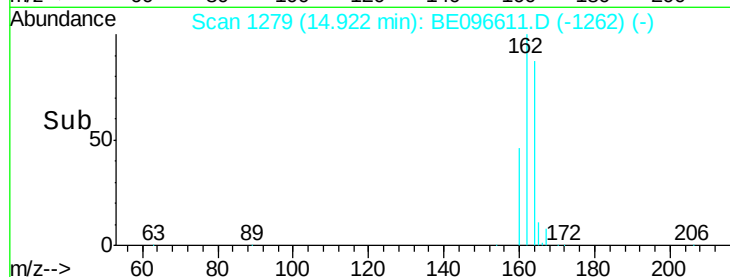
160 55.0 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.26 ng

RT: 16.40 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

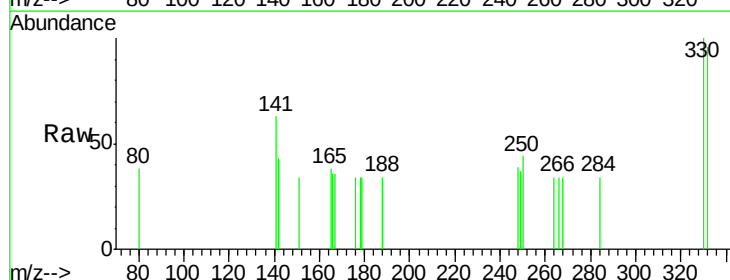
Tgt Ion:330 Resp: 157

Ion Ratio Lower Upper

330 100

332 98.1 152.7 229.1#

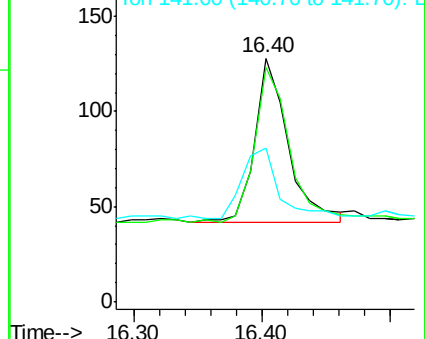
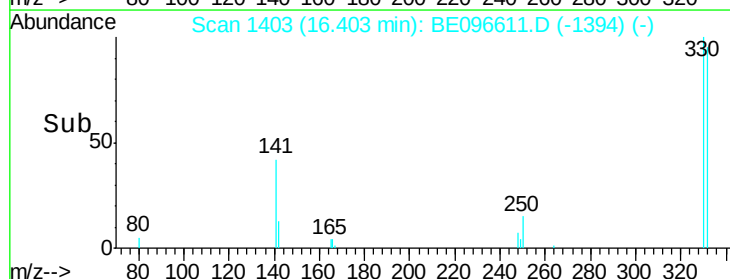
141 47.1 33.7 50.5

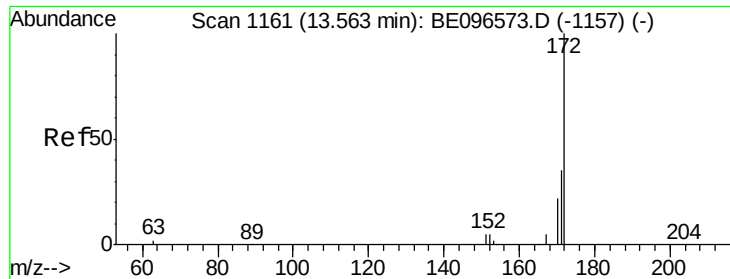


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

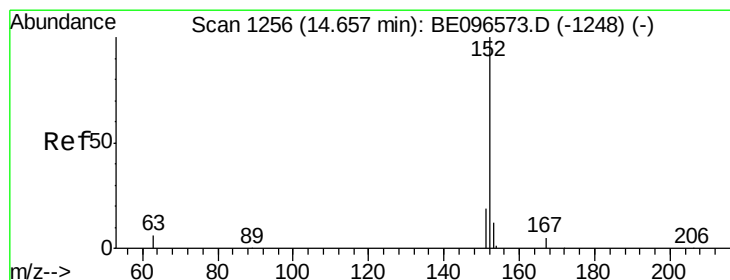
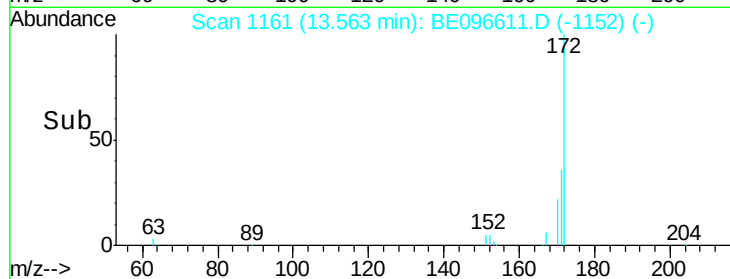
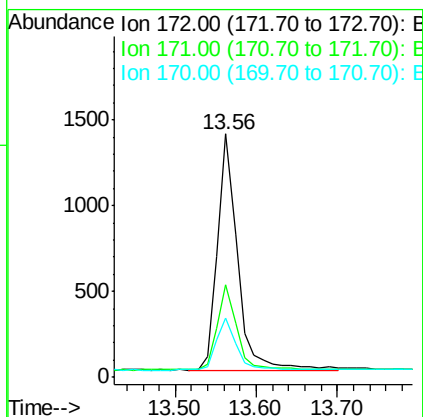
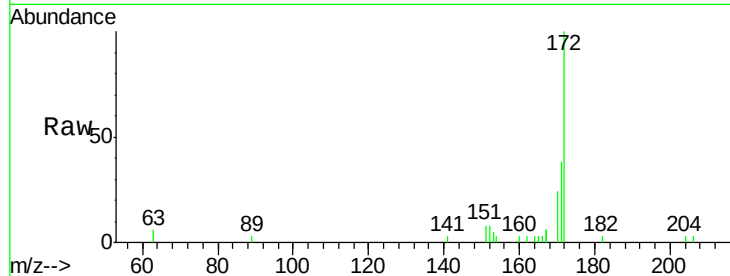




#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096611.D
Acq: 17 May 2018 15:58

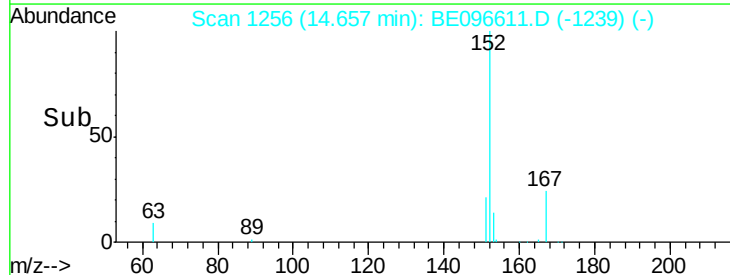
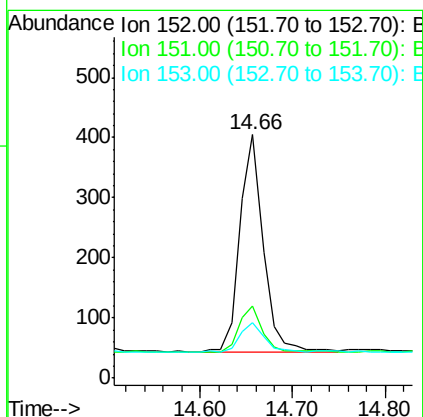
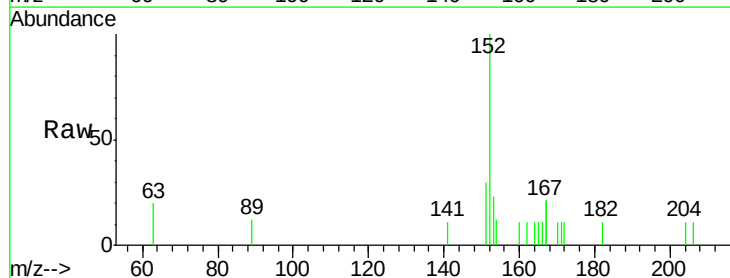
Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-2

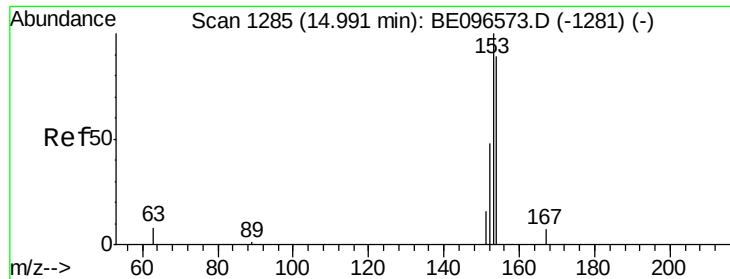
Tgt Ion:172 Resp: 2356
Ion Ratio Lower Upper
172 100
171 38.0 29.9 44.9
170 24.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.08 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096611.D
Acq: 17 May 2018 15:58

Tgt Ion:152 Resp: 643
Ion Ratio Lower Upper
152 100
151 22.4 15.7 23.5
153 14.2 10.5 15.7

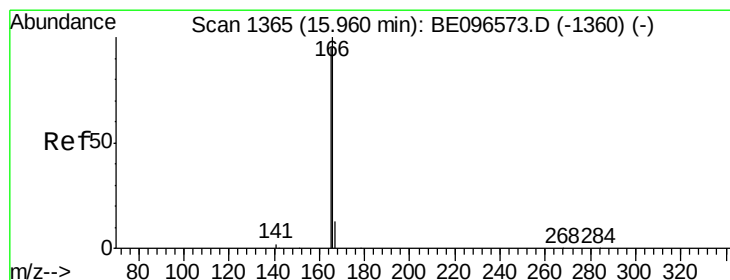
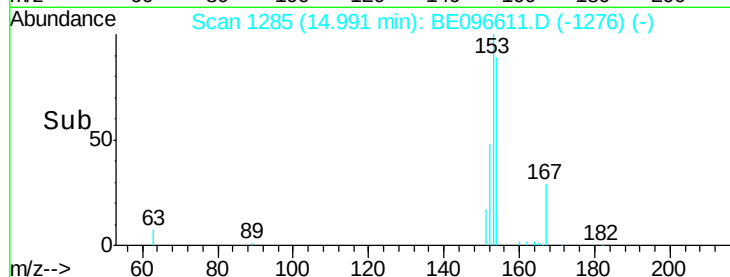
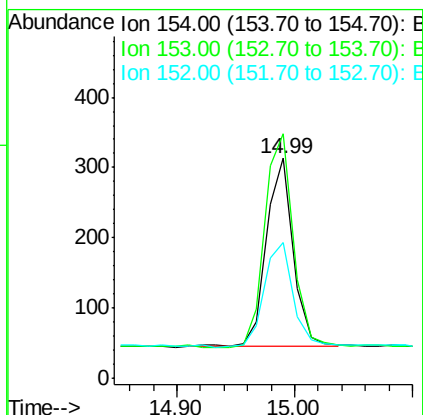
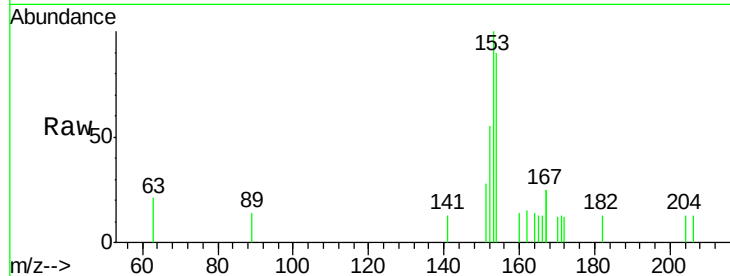




#17
Acenaphthene
Concen: 0.09 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE096611.D
Acq: 17 May 2018 15:58

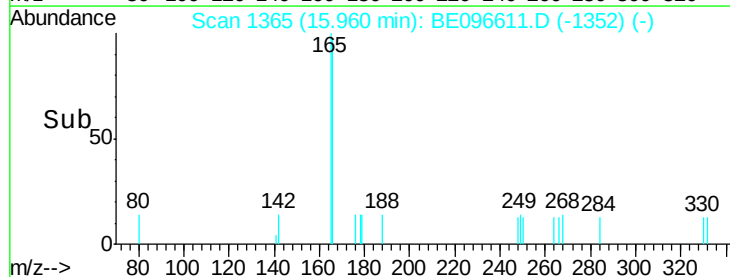
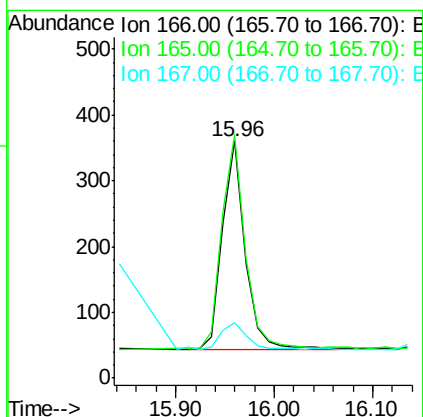
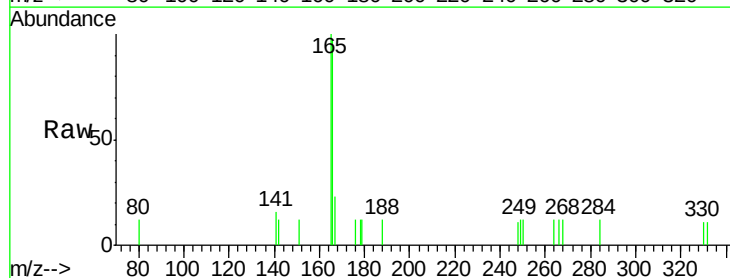
Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-2

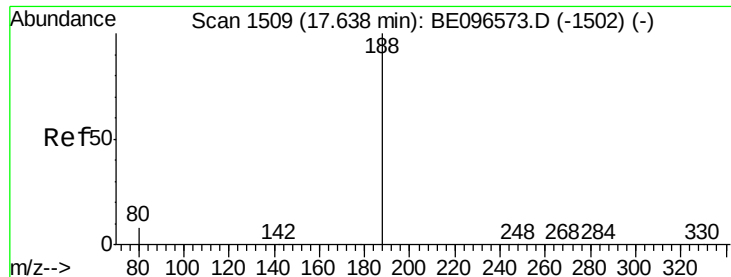
Tgt Ion:154 Resp: 430
Ion Ratio Lower Upper
154 100
153 120.2 89.2 133.8
152 61.2 42.0 63.0



#18
Fluorene
Concen: 0.08 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096611.D
Acq: 17 May 2018 15:58

Tgt Ion:166 Resp: 504
Ion Ratio Lower Upper
166 100
165 140.1 77.8 116.6#
167 13.7 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

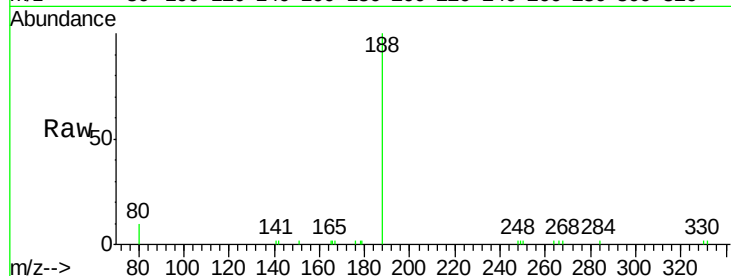
Tgt Ion:188 Resp: 3534

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

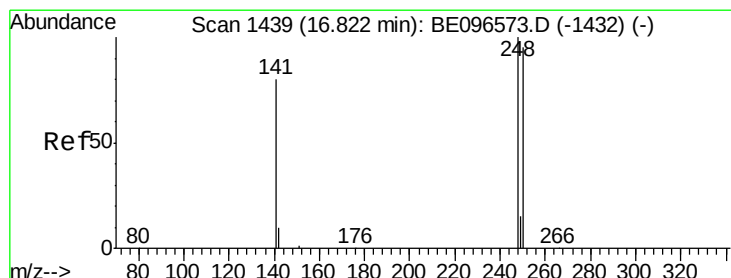
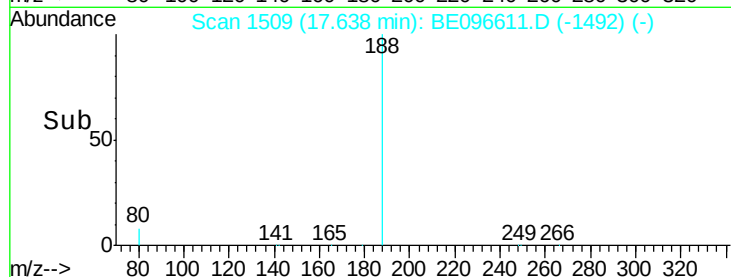
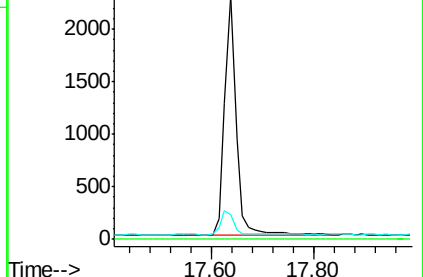
80 10.2 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.09 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

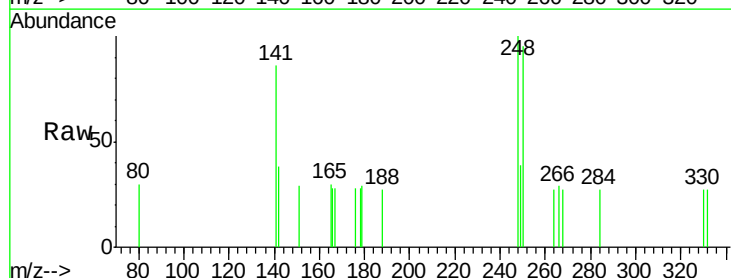
Tgt Ion:248 Resp: 183

Ion Ratio Lower Upper

248 100

250 94.9 62.7 94.1#

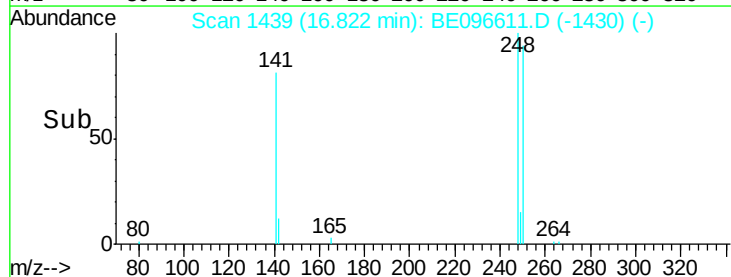
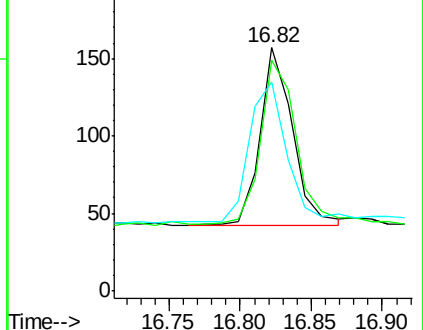
141 86.0 48.2 72.2#

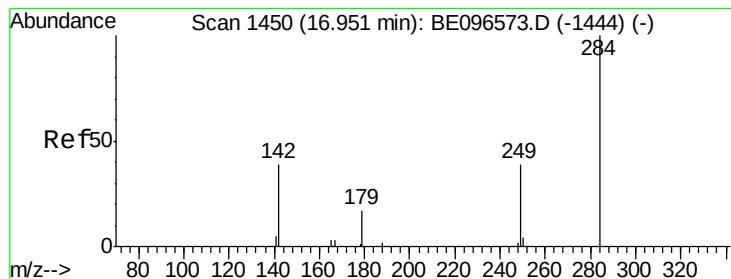


Abundance Ion 248.00 (247.70 to 248.70): E

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: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

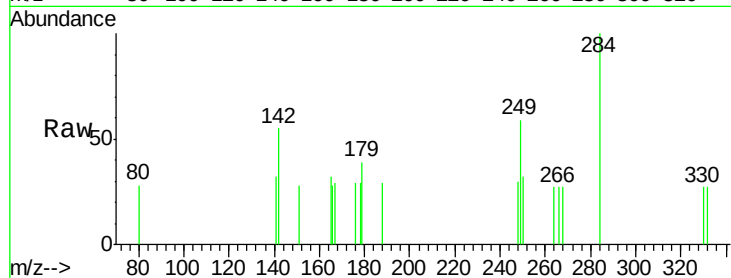
Tgt Ion:284 Resp: 196

Ion Ratio Lower Upper

284 100

142 40.8 22.1 33.1#

249 35.7 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

16.95

150

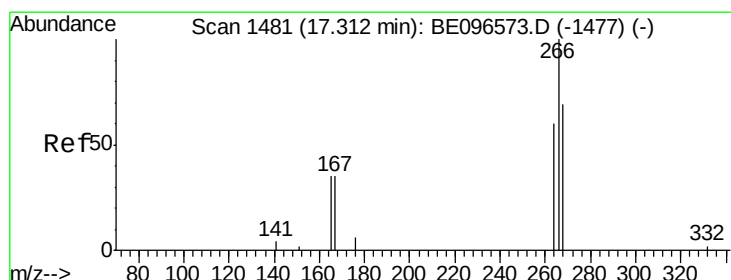
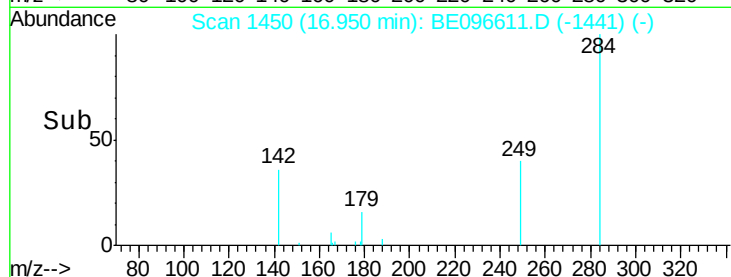
100

50

0

16.90 16.95 17.00

Time-->



#22

Pentachlorophenol

Concen: 0.21 ng

RT: 17.32 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

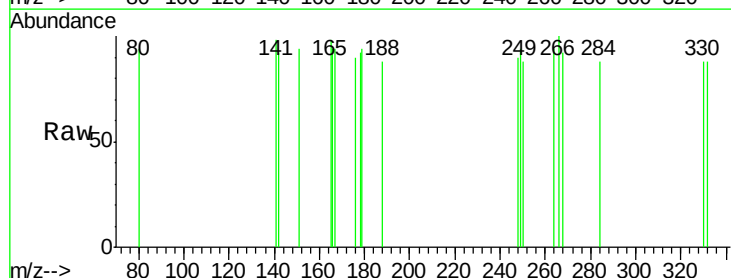
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

268 91.8 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

17.32

60

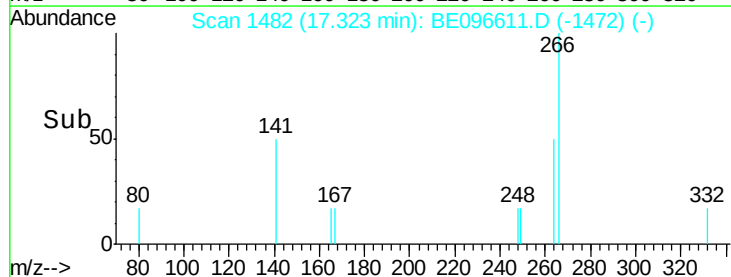
40

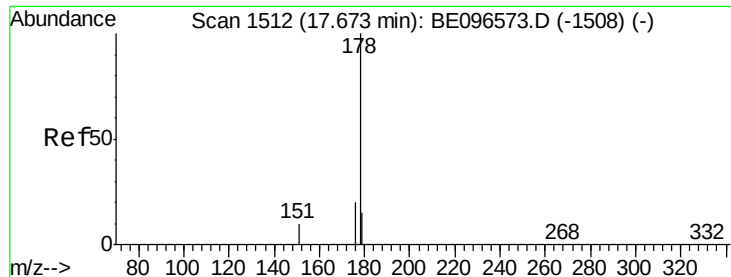
20

0

17.30 17.32 17.34

Time-->





#23

Phenanthrene

Concen: 0.09 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

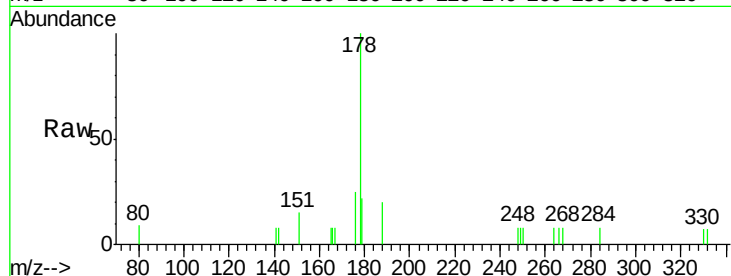
Tgt Ion:178 Resp: 854

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

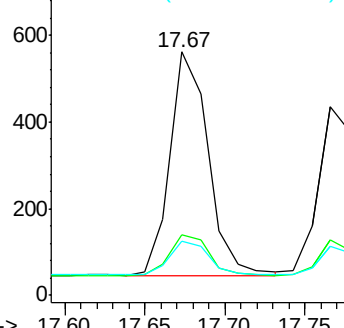
179 14.8 11.8 17.6



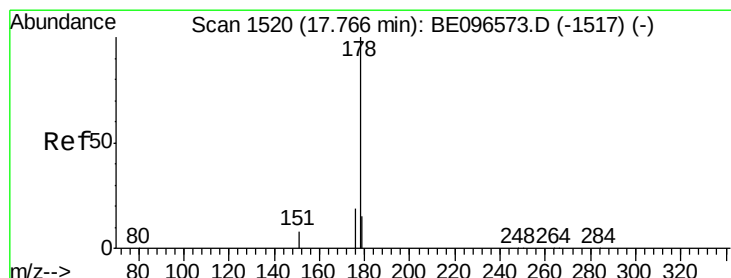
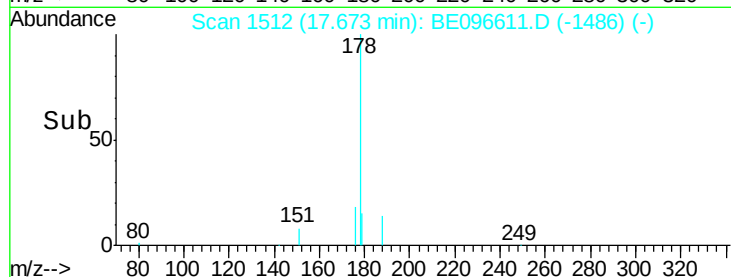
Abundance Ion 178.00 (177.70 to 178.70): E

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: BE096611.D

Acq: 17 May 2018 15:58

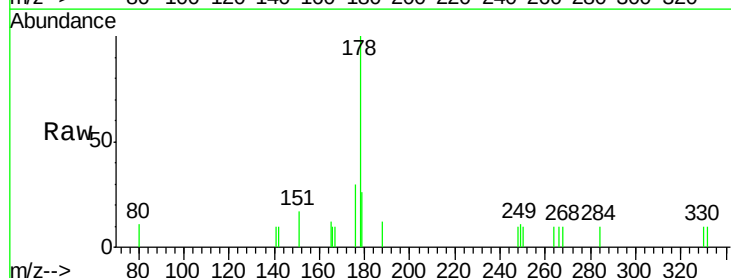
Tgt Ion:178 Resp: 712

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

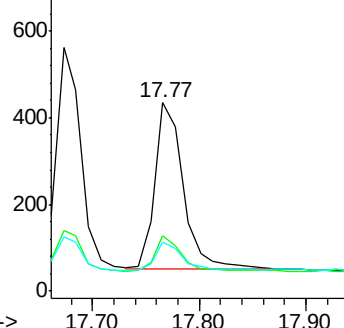
179 16.3 13.0 19.6



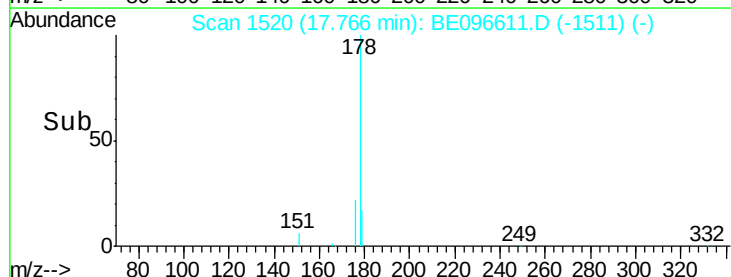
Abundance Ion 178.00 (177.70 to 178.70): E

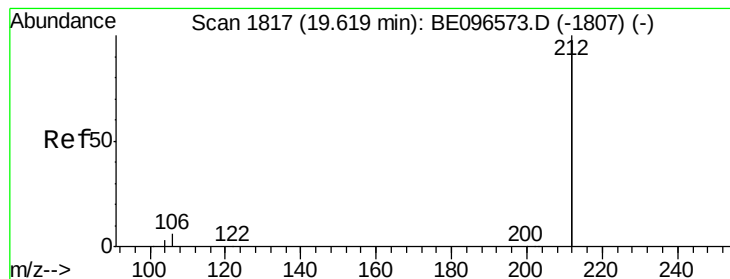
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.36 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

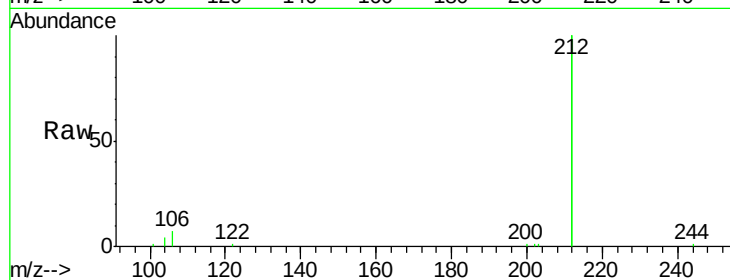
Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

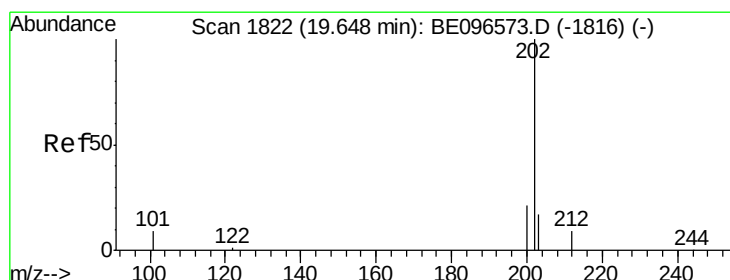
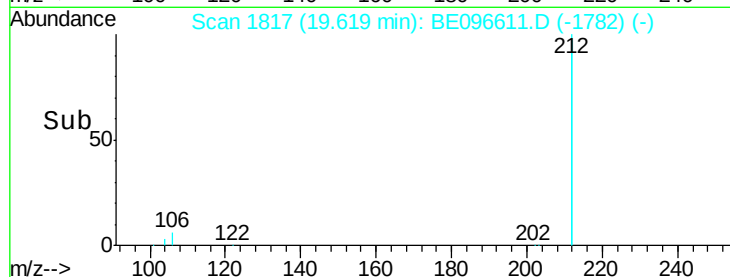
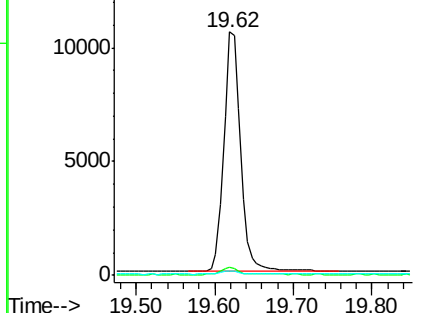
Tgt Ion:	212	Resp:	15675
Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.8	4.2#
104	1.6	1.6	2.4



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

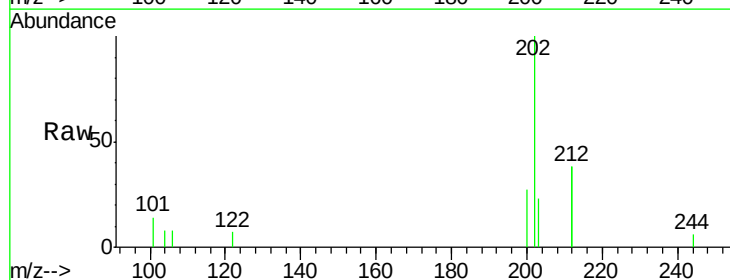
RT: 19.65 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

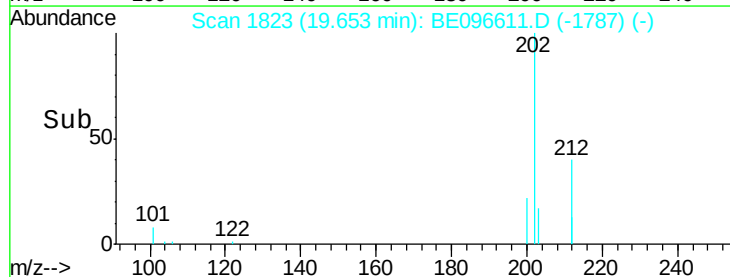
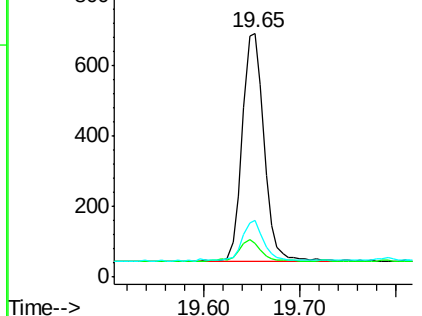
Tgt Ion:	202	Resp:	1020
Ion	Ratio	Lower	Upper
202	100		
101	9.7	9.8	14.8#
203	16.4	13.7	20.5

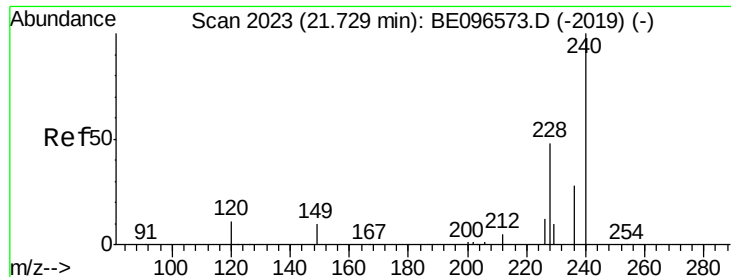


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

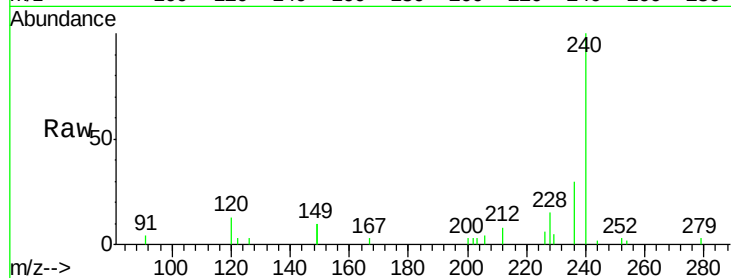
Tgt Ion:240 Resp: 3271

Ion Ratio Lower Upper

240 100

120 13.4 5.5 8.3#

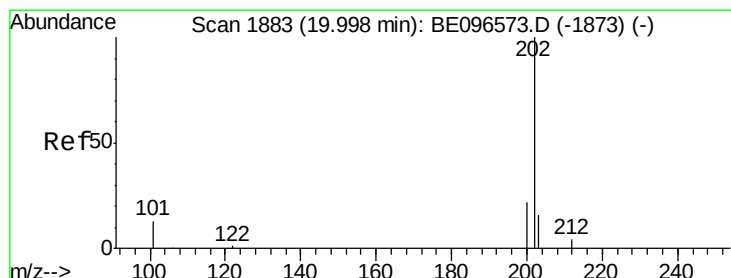
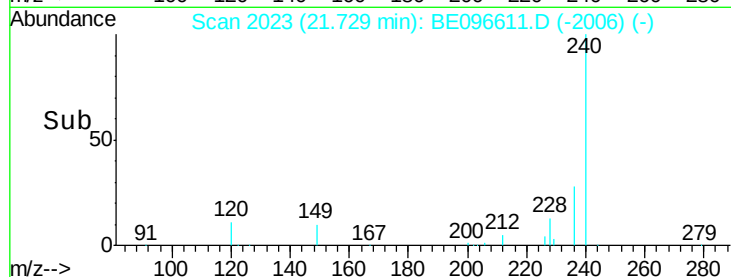
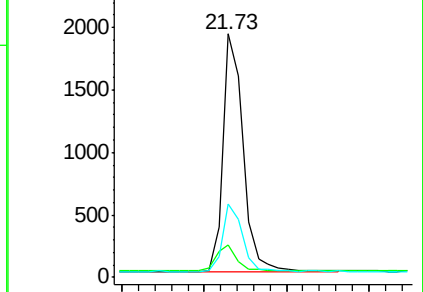
236 30.0 20.7 31.1



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: BE096611.D

Acq: 17 May 2018 15:58

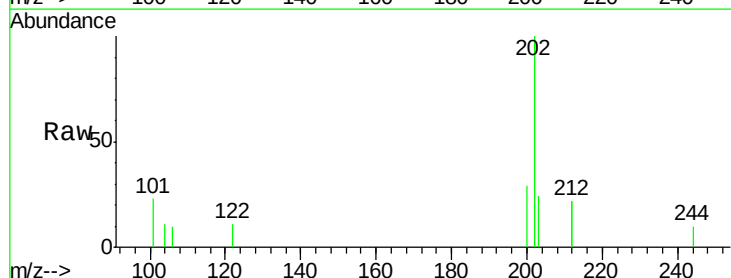
Tgt Ion:202 Resp: 474

Ion Ratio Lower Upper

202 100

200 22.6 16.6 25.0

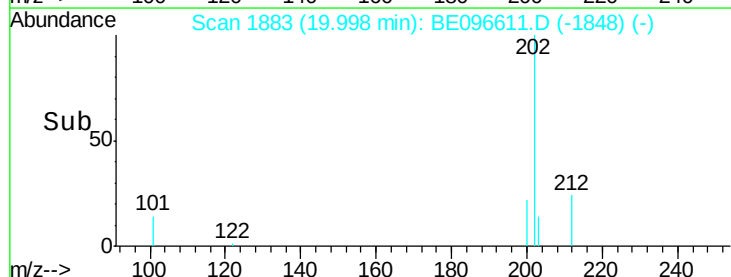
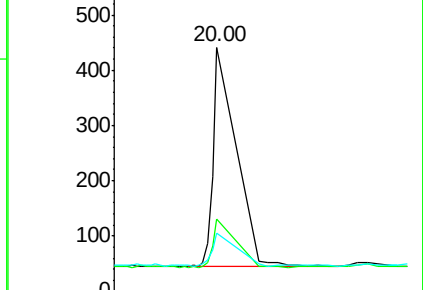
203 17.7 13.8 20.8

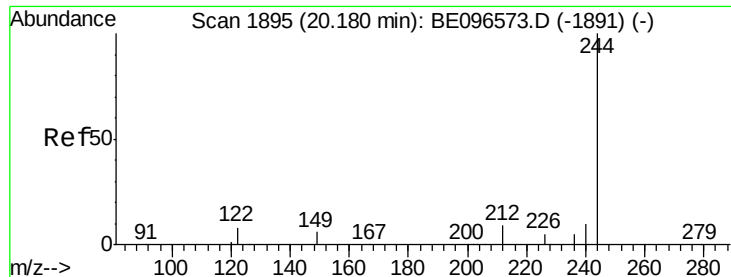


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.32 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

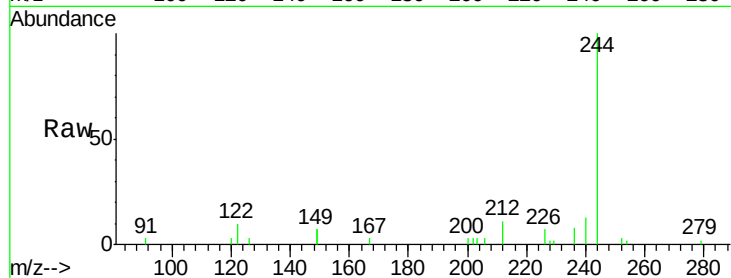
Tgt Ion:244 Resp: 2404

Ion Ratio Lower Upper

244 100

212 11.2 25.4 38.0#

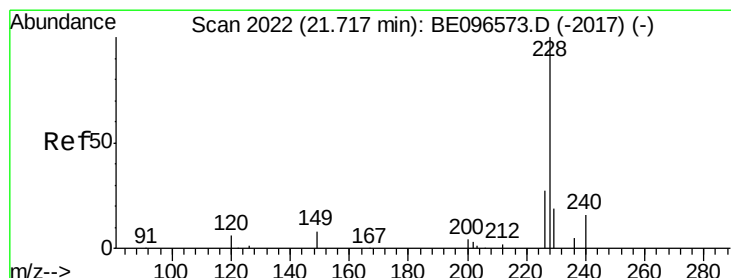
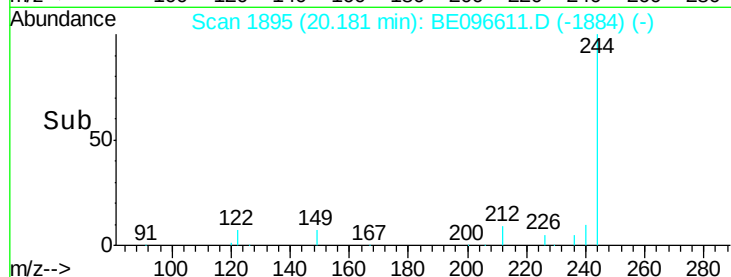
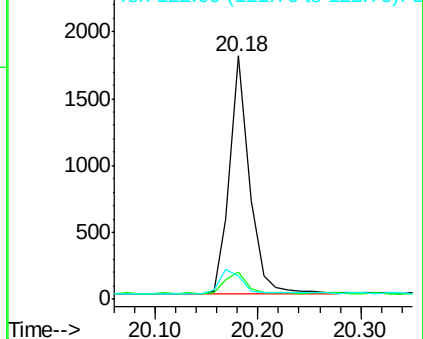
122 9.6 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

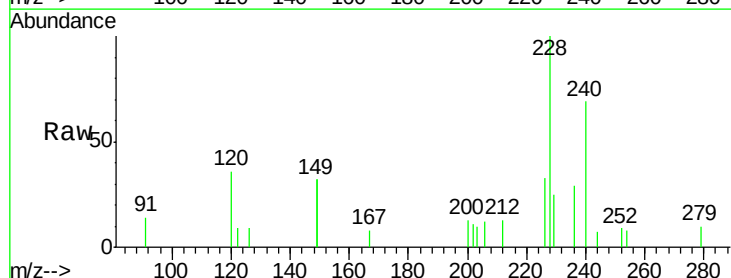
Tgt Ion:228 Resp: 824

Ion Ratio Lower Upper

228 100

226 32.9 24.0 36.0

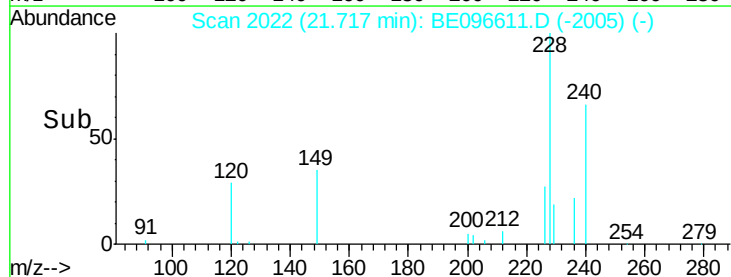
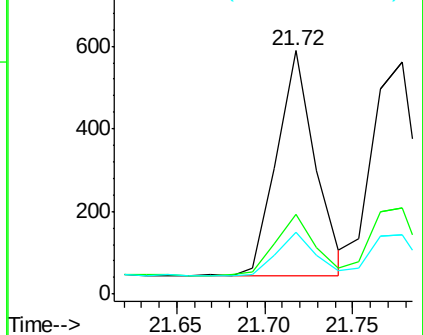
229 25.1 16.0 24.0#

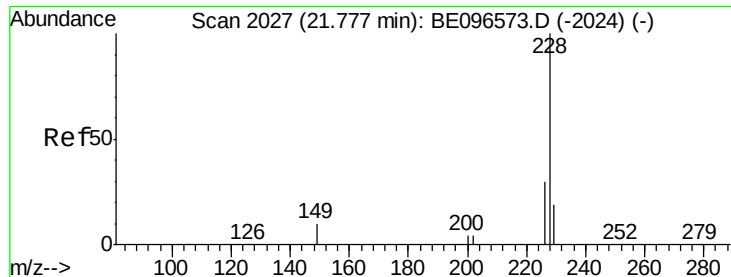


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

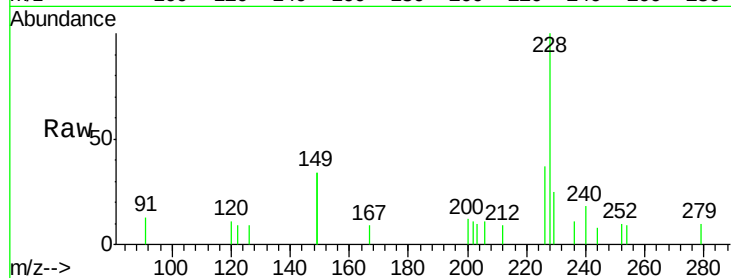
Tgt Ion: 228 Resp: 913

Ion Ratio Lower Upper

228 100

226 37.2 24.0 36.0#

229 25.4 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

800

600

400

200

0

21.70 21.80 21.90

21.78

21.78

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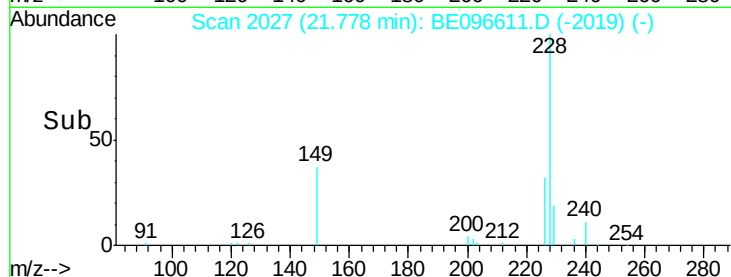
21.78

21.78

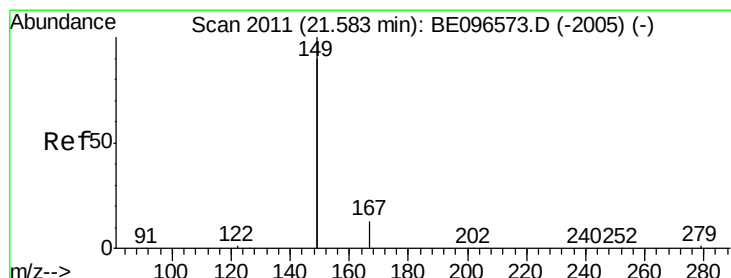
21.78

21.78

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: BE096611.D

Acq: 17 May 2018 15:58

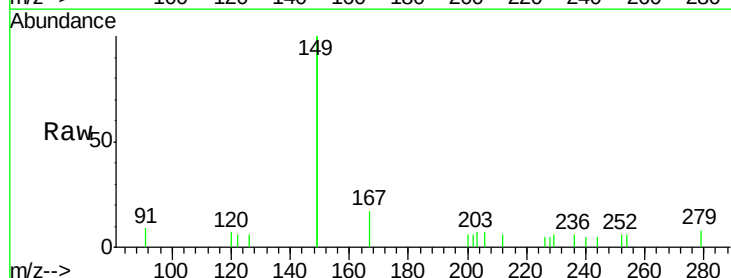
Tgt Ion: 149 Resp: 1642

Ion Ratio Lower Upper

149 100

167 6.8 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

2000

1500

1000

500

0

21.50 21.55 21.60

21.58

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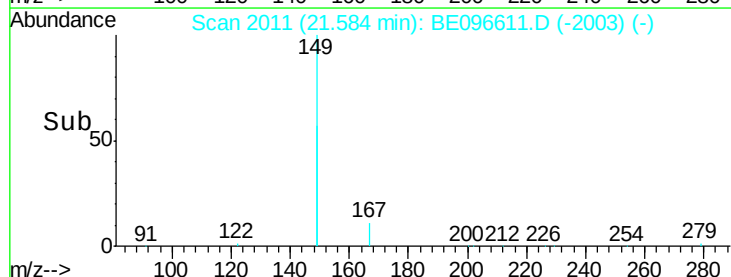
21.58

21.58

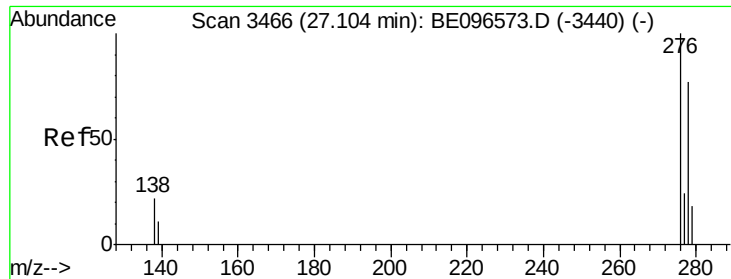
21.58

21.58

21.58



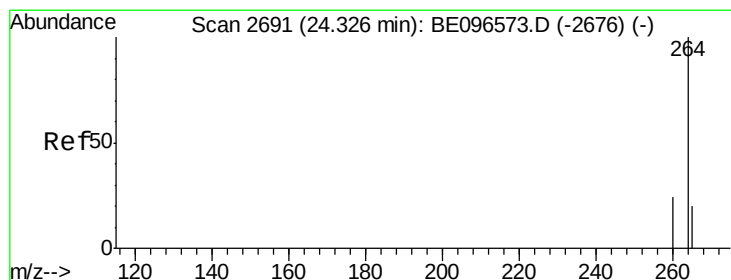
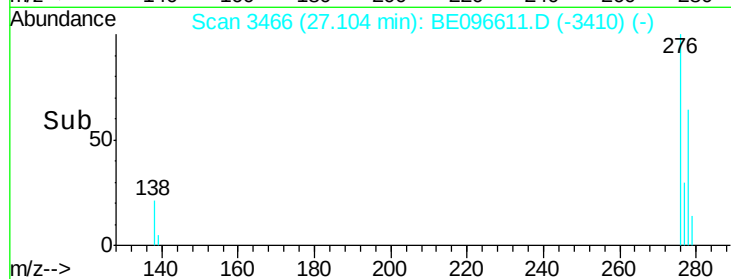
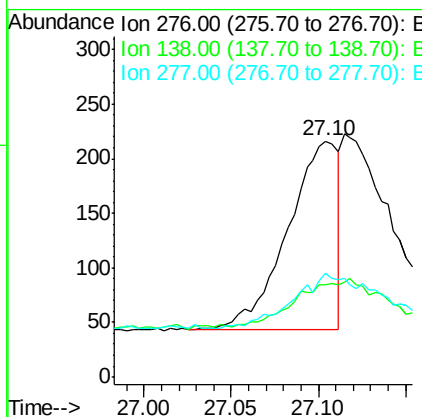
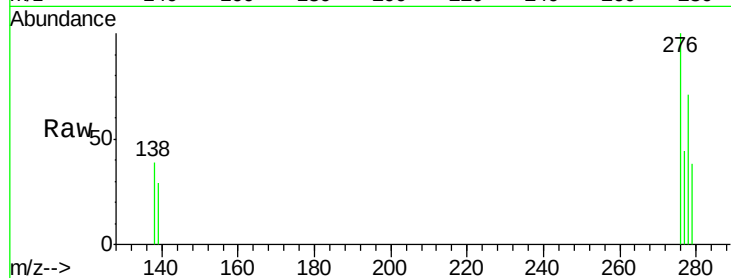
Time-->



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 27.10 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: BE096611.D
 Acq: 17 May 2018 15:58

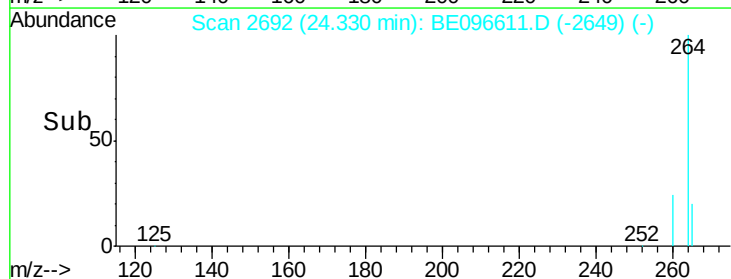
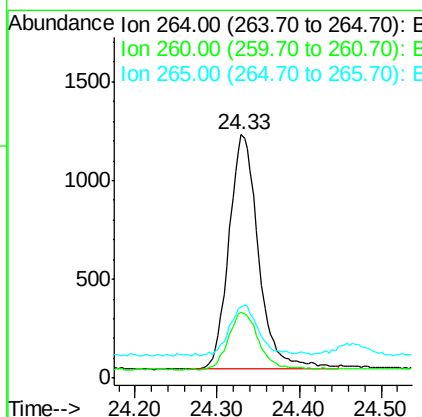
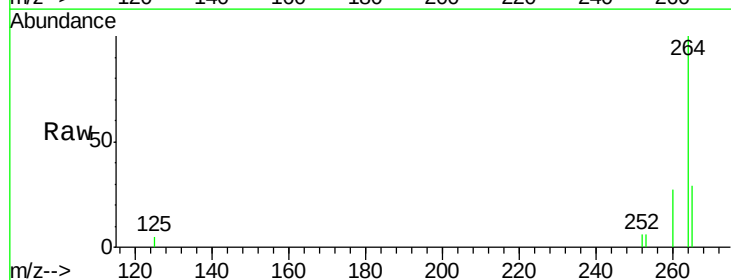
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-NPW-Precision-Bias-2

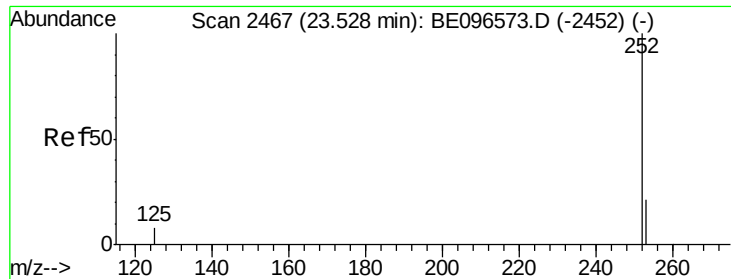
Tgt Ion: 276 Resp: 349
 Ion Ratio Lower Upper
 276 100
 138 45.8 22.5 33.7#
 277 52.1 19.9 29.9#



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 24.33 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: BE096611.D
 Acq: 17 May 2018 15:58

Tgt Ion: 264 Resp: 2984
 Ion Ratio Lower Upper
 264 100
 260 27.1 20.5 30.7
 265 28.9 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: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

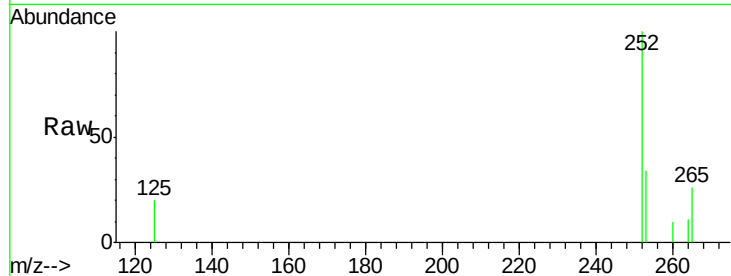
Tgt Ion:252 Resp: 789

Ion Ratio Lower Upper

252 100

253 34.1 20.0 30.0#

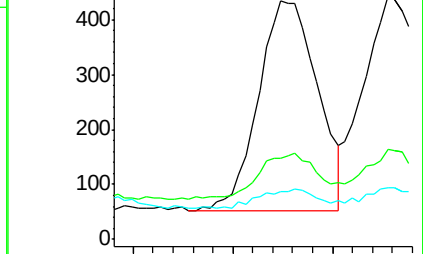
125 20.3 16.0 24.0



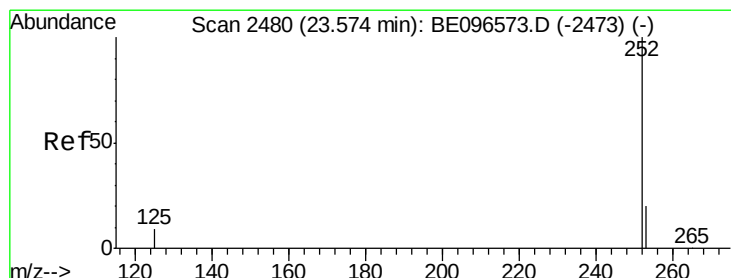
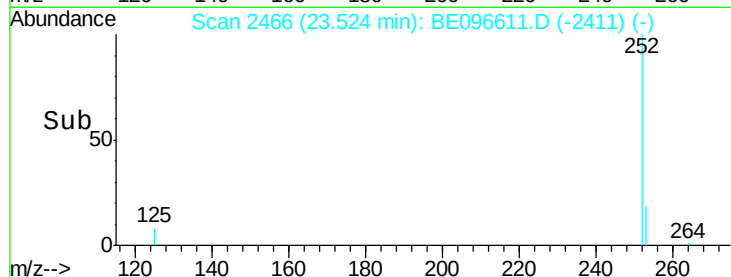
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.45 23.50 23.55



#36

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

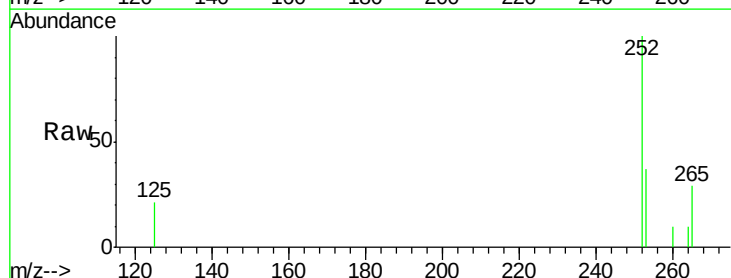
Tgt Ion:252 Resp: 830

Ion Ratio Lower Upper

252 100

253 36.8 16.0 24.0#

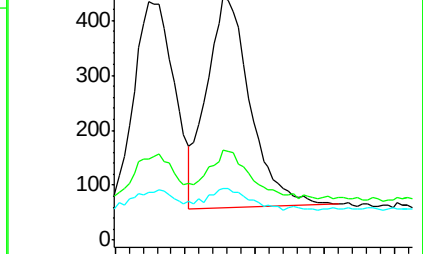
125 21.2 8.0 12.0#



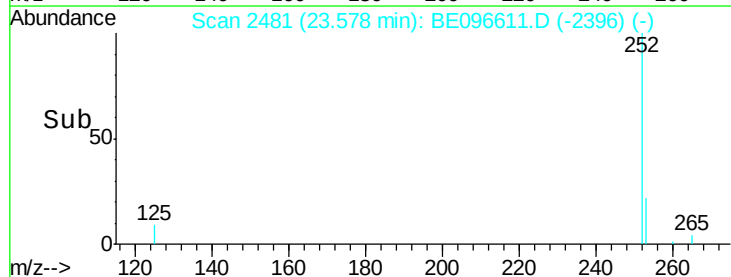
Abundance Ion 252.00 (251.70 to 252.70): E

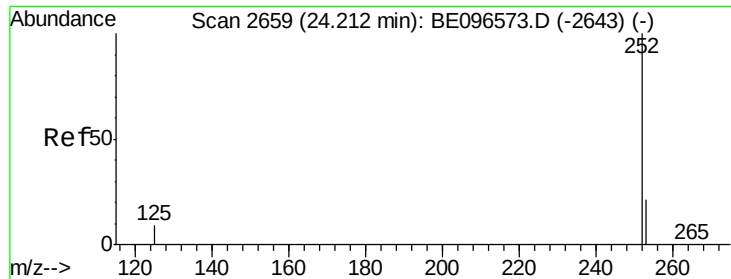
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.50 23.55 23.60 23.65





#37

Benzo(a)pyrene

Concen: 0.08 ng

RT: 24.22 min Scan# 2660

Delta R.T. 0.00 min

Lab File: BE096611.D

Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2

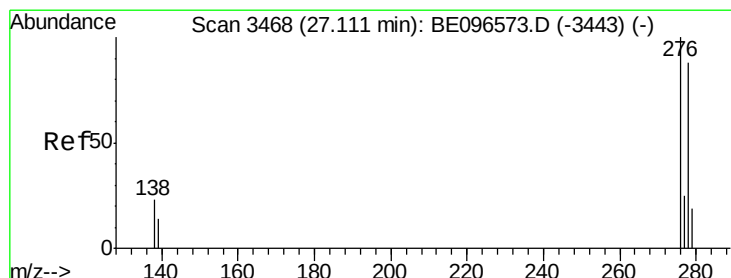
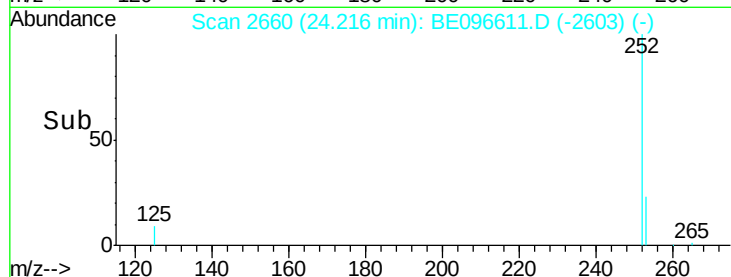
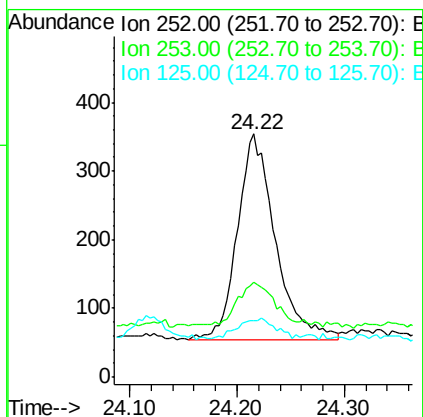
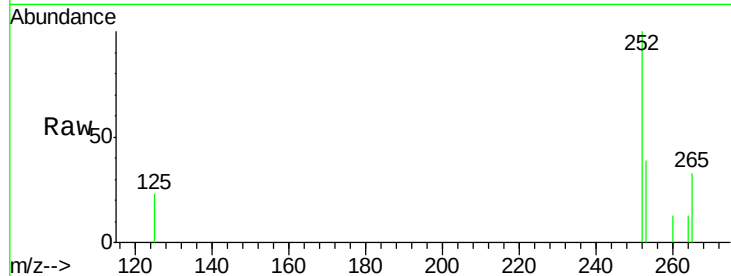
Tgt Ion: 252 Resp: 734

Ion Ratio Lower Upper

252 100

253 39.3 16.0 24.0#

125 23.4 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: BE096611.D

Acq: 17 May 2018 15:58

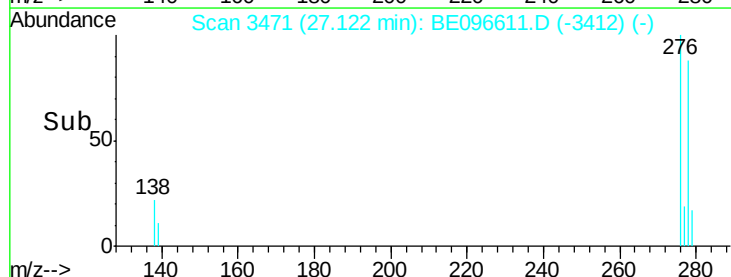
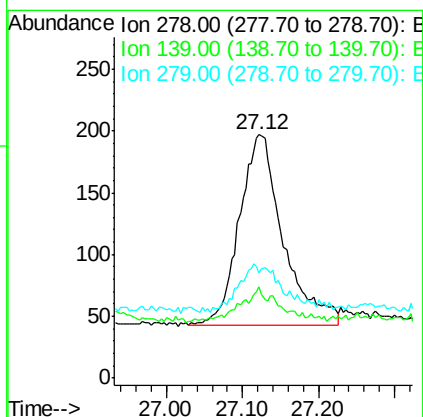
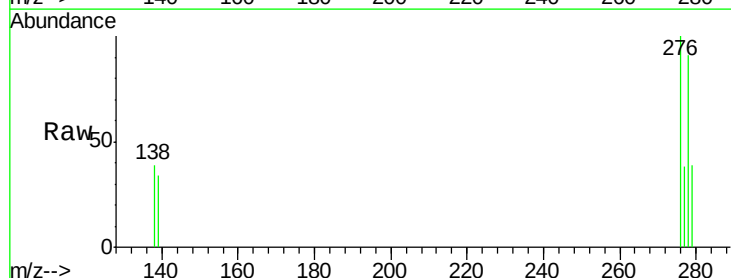
Tgt Ion: 278 Resp: 613

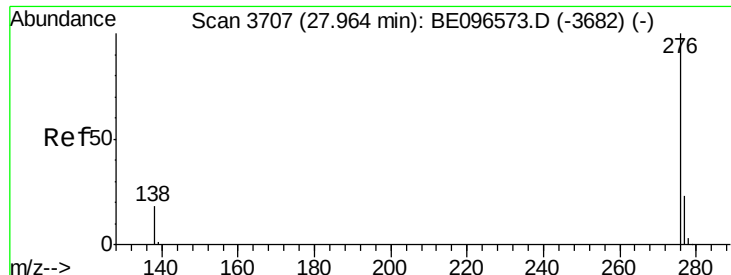
Ion Ratio Lower Upper

278 100

139 37.6 16.0 24.0#

279 43.1 20.0 30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.08 ng

RT: 27.97 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BE096611.D

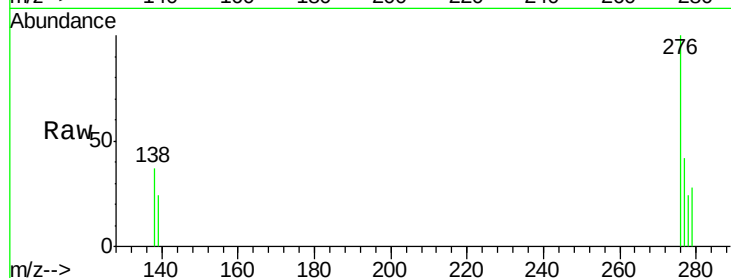
Acq: 17 May 2018 15:58

Instrument :

BNA_E

ClientSampleId :

LOQ-NPW-Precision-Bias-2



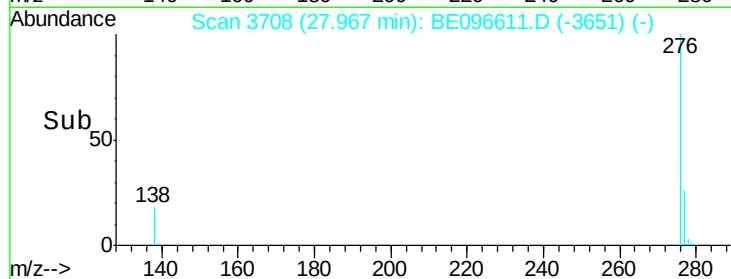
Tgt Ion: 276 Resp: 683

Ion Ratio Lower Upper

276 100

277 42.4 16.0 24.0#

138 36.6 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

