

Data File : BE096605.D
Acq On : 17 May 2018 12:20
Operator : SJ/JU
Sample : PB109397BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB109397BS

Quant Time: May 18 05:11:50 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	840	0.40	ng	0.00
7) Naphthalene-d8	11.16	136	3141	0.40	ng	-0.01
13) Acenaphthene-d10	14.92	164	1572	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3271	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3523	0.40	ng	0.00
34) Perylene-d12	24.33	264	3316	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	875	0.38	ng	0.00
5) Phenol-d6	7.49	99	1128	0.34	ng	0.00
8) Nitrobenzene-d5	9.42	82	122	0.04	ng	-0.10
11) 2-Methylnaphthalene-d10	12.72	152	1687	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	180	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2502	0.37	ng	0.00
25) Fluoranthene-d10	19.62	212	13976	0.35	ng	0.00
29) Terphenyl-d14	20.18	244	2542	0.32	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.60	88	375	0.30	ng	# 85
3) n-Nitrosodimethylamine	3.95	42	608	0.39	ng	# 75
6) bis(2-Chloroethyl)ether	7.75	93	1010	0.33	ng	93
9) Naphthalene	11.22	128	11861	0.36	ng	99
10) Hexachlorobutadiene	11.49	225	448	0.24	ng	# 84
12) 2-Methylnaphthalene	12.79	142	1916	0.34	ng	# 93
16) Acenaphthylene	14.66	152	2711	0.33	ng	99
17) Acenaphthene	14.99	154	1683	0.34	ng	93
18) Fluorene	15.96	166	2461	0.40	ng	# 75
20) 4-Bromophenyl-phenylether	16.82	248	636	0.32	ng	# 74
21) Hexachlorobenzene	16.95	284	652	0.32	ng	# 80
22) Pentachlorophenol	17.31	266	119	0.36	ng	92
23) Phenanthrene	17.67	178	3173	0.35	ng	99
24) Anthracene	17.77	178	2938	0.34	ng	# 94
26) Fluoranthene	19.65	202	3903	0.36	ng	# 97
28) Pyrene	20.00	202	1493	0.23	ng	# 90
30) Benzo(a)anthracene	21.72	228	3816	0.35	ng	96
31) Chrysene	21.77	228	3851	0.34	ng	96
32) Bis(2-ethylhexyl)phthalate	21.58	149	6393	0.28	ng	99
33) Indeno(1,2,3-cd)pyrene	27.10	276	4007	0.37	ng	# 92
35) Benzo(b)fluoranthene	23.52	252	3717	0.36	ng	# 91
36) Benzo(k)fluoranthene	23.58	252	3786	0.35	ng	# 91
37) Benzo(a)pyrene	24.22	252	3567	0.36	ng	# 90
38) Dibenzo(a,h)anthracene	27.11	278	3192	0.36	ng	94
39) Benzo(g,h,i)perylene	27.96	276	3414	0.36	ng	# 94

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

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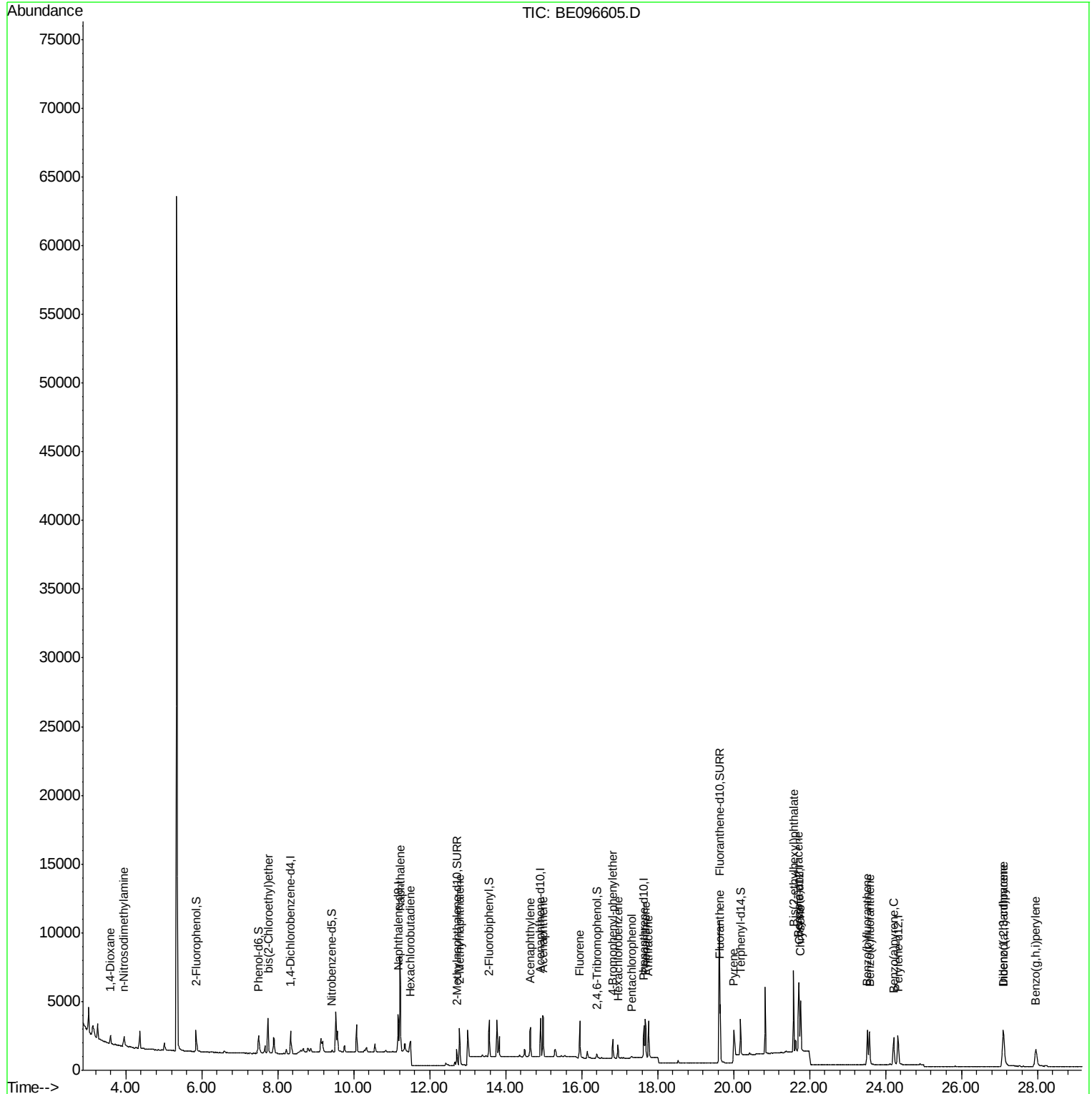
Quant Time: May 18 05:11:50 2018

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: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

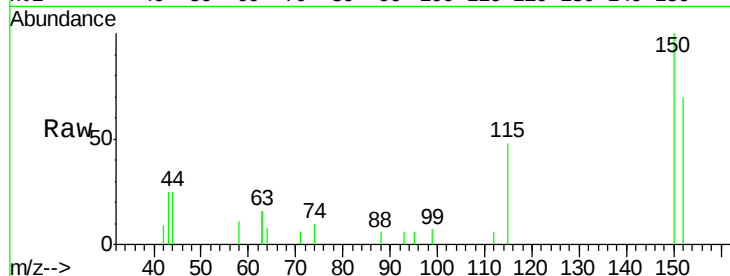
Tgt Ion:152 Resp: 840

Ion Ratio Lower Upper

152 100

150 142.6 117.2 175.8

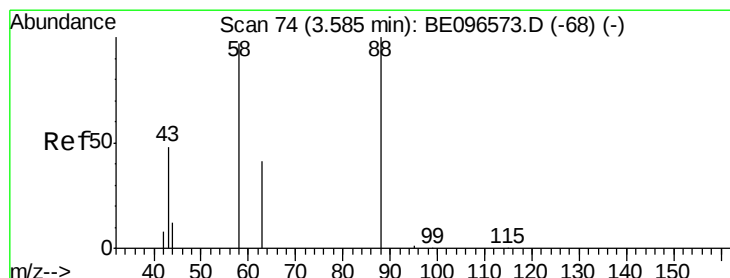
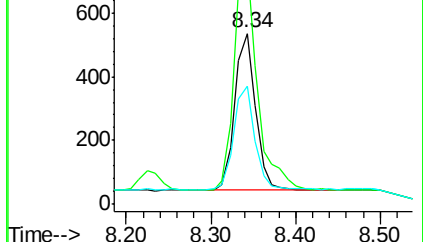
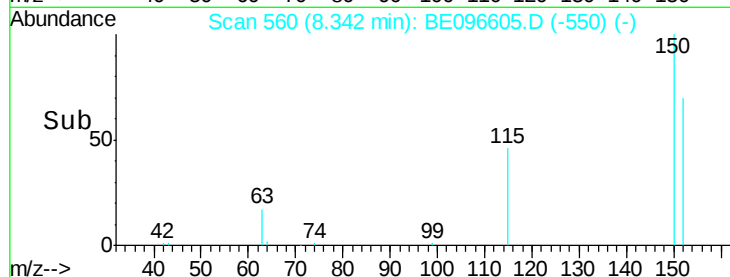
115 69.2 57.0 85.6



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: 0.30 ng

RT: 3.60 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

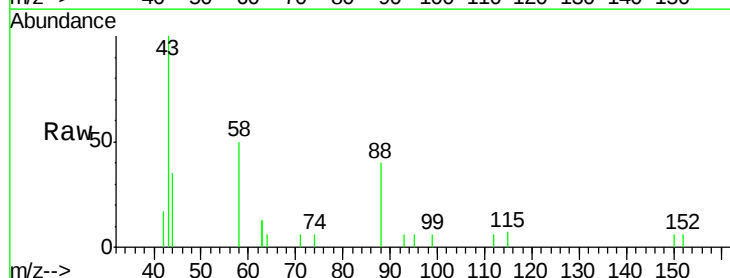
Tgt Ion: 88 Resp: 375

Ion Ratio Lower Upper

88 100

58 88.0 63.2 94.8

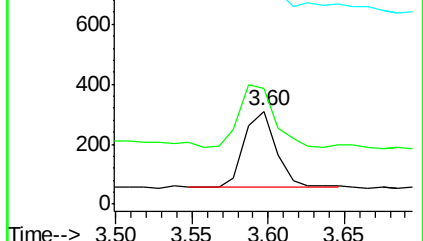
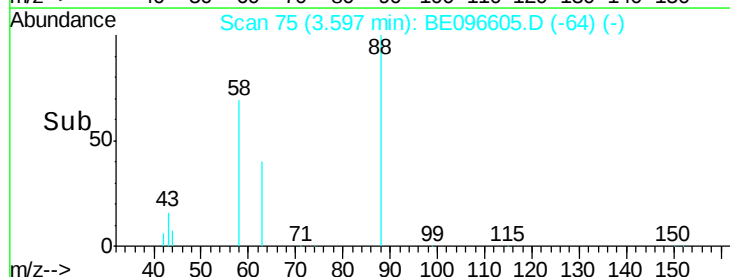
43 67.7 41.2 61.8#



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

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.95 min Scan# 111

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

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ClientSampleId :

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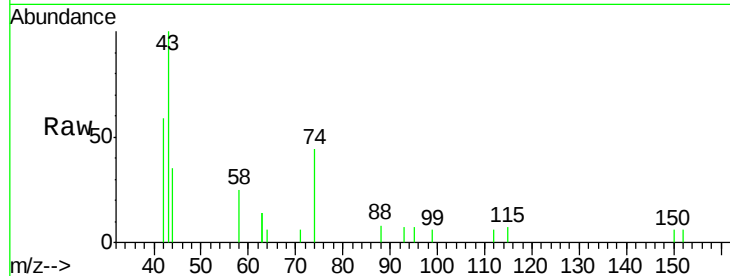
Tgt Ion: 42 Resp: 608

Ion Ratio Lower Upper

42 100

74 91.0 96.0 144.0#

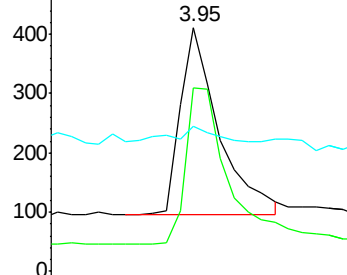
44 8.2 12.0 18.0#



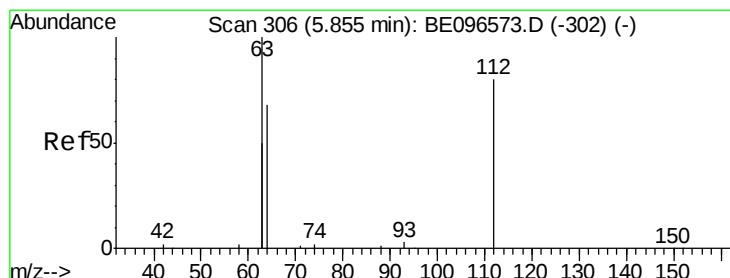
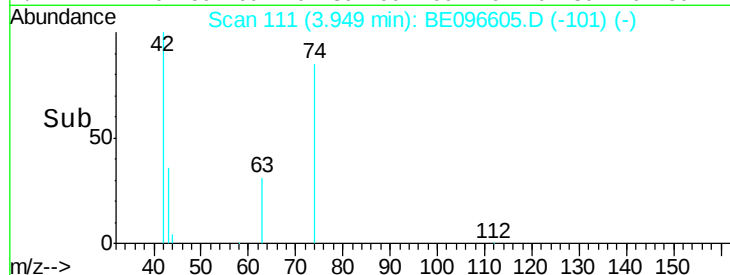
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time--> 3.85 3.90 3.95 4.00



#4

2-Fluorophenol

Concen: 0.38 ng

RT: 5.86 min Scan# 306

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

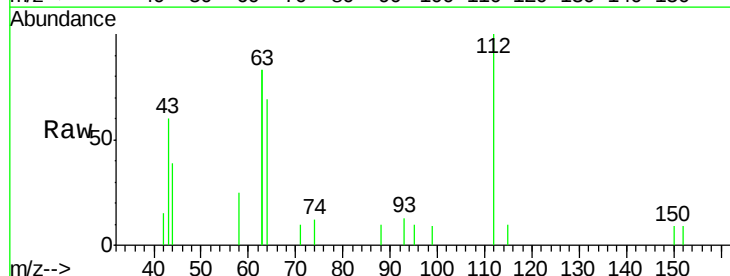
Tgt Ion: 112 Resp: 875

Ion Ratio Lower Upper

112 100

64 75.5 60.1 90.1

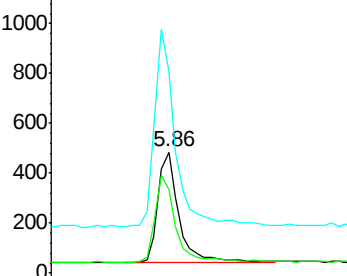
63 175.4 116.8 175.2#



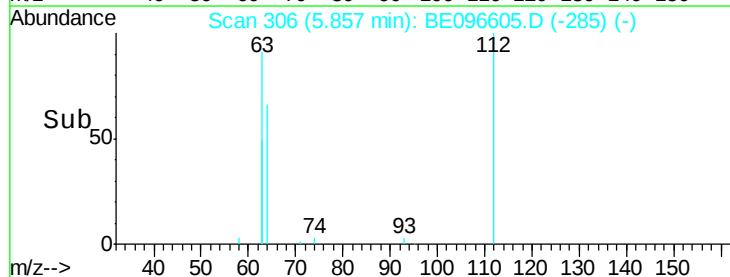
Abundance Ion 112.00 (111.70 to 112.70): E

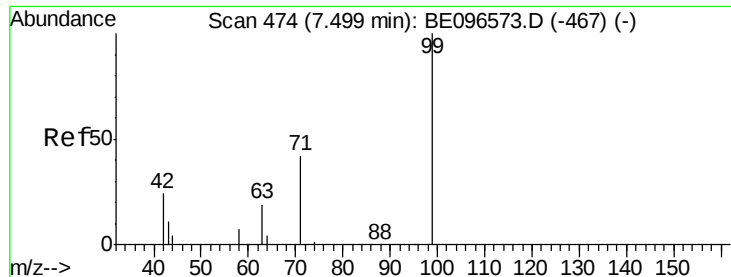
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.70 5.80 5.90 6.00





#5

Phenol-d6

Concen: 0.34 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

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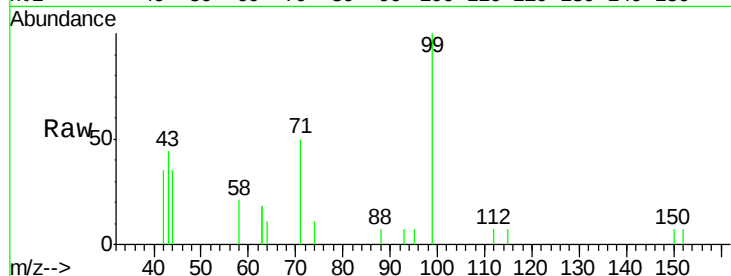
Tgt Ion: 99 Resp: 1128

Ion Ratio Lower Upper

99 100

42 28.1 20.2 30.2

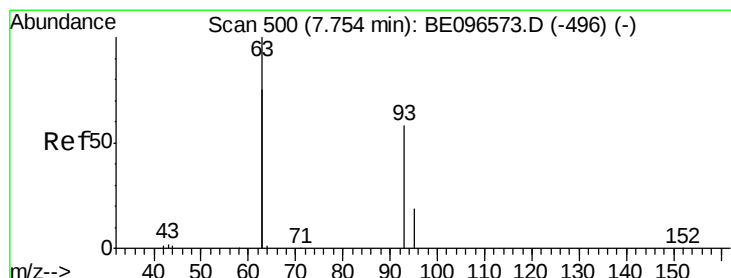
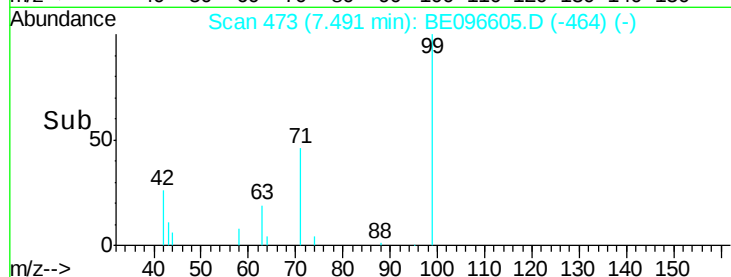
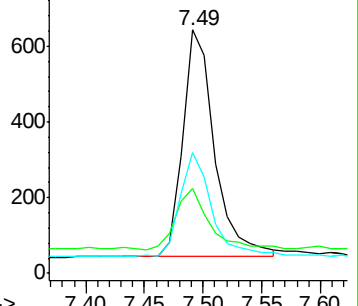
71 45.8 28.4 42.6#



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: 0.33 ng

RT: 7.75 min Scan# 499

Delta R.T. -0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

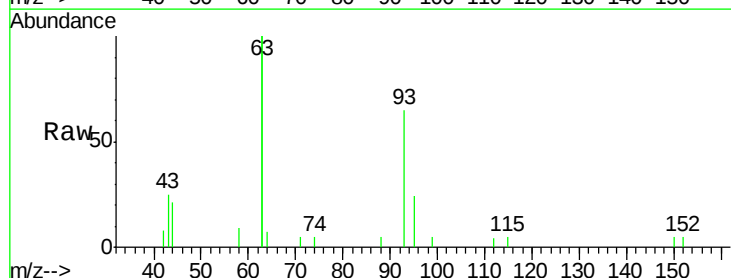
Tgt Ion: 93 Resp: 1010

Ion Ratio Lower Upper

93 100

63 327.0 275.3 412.9

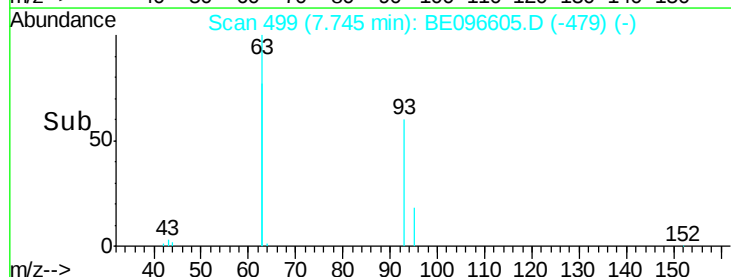
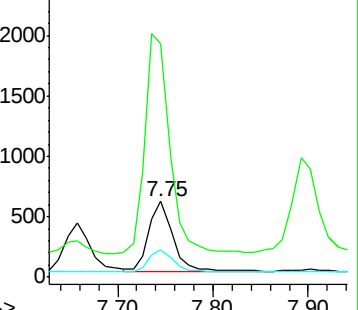
95 32.8 25.2 37.8

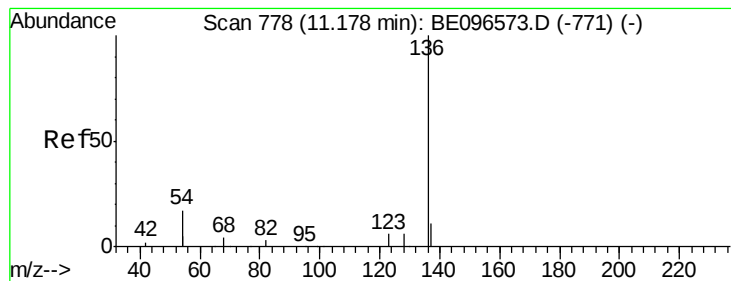


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.16 min Scan# 777

Delta R.T. -0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

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Tgt Ion: 136 Resp: 3141

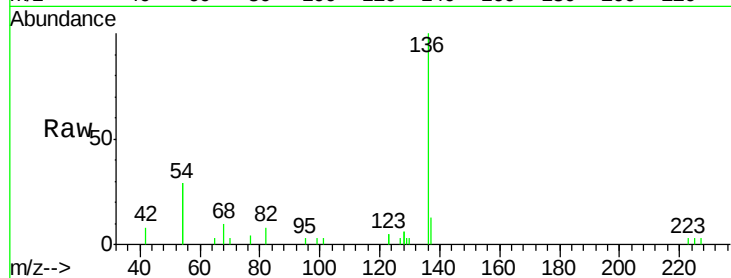
Ion Ratio Lower Upper

136 100

137 13.2 9.5 14.3

54 57.0 29.1 43.7#

68 10.3 6.2 9.2#

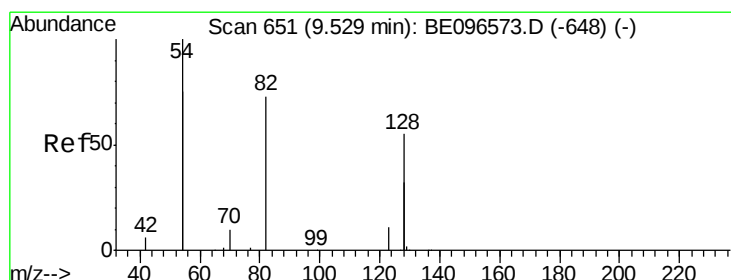
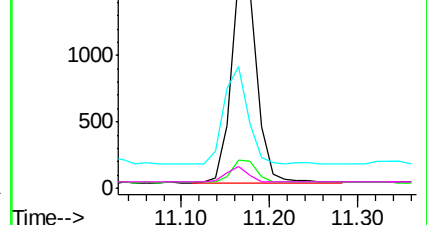
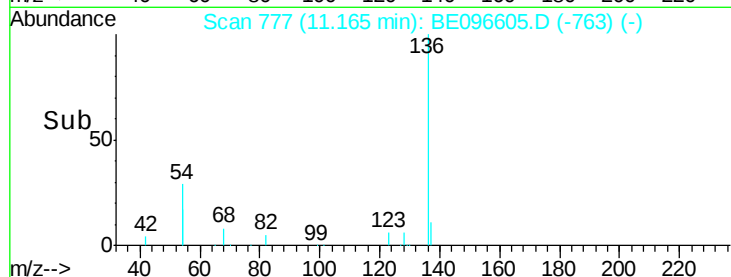


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.04 ng

RT: 9.42 min Scan# 643

Delta R.T. -0.10 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

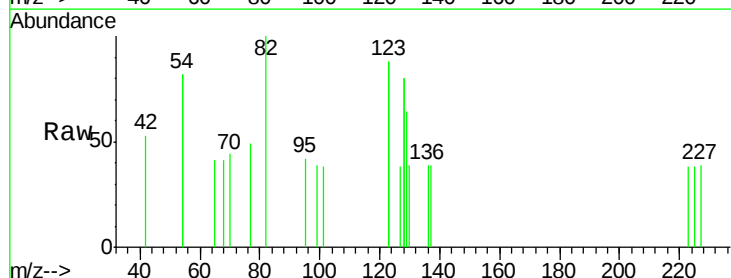
Tgt Ion: 82 Resp: 122

Ion Ratio Lower Upper

82 100

128 159.6 150.0 225.0

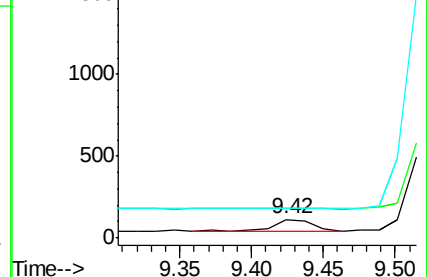
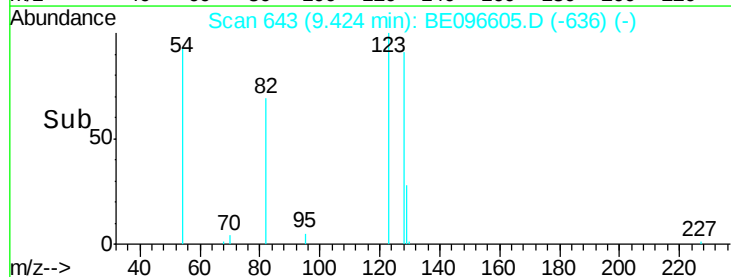
54 163.2 154.2 231.4

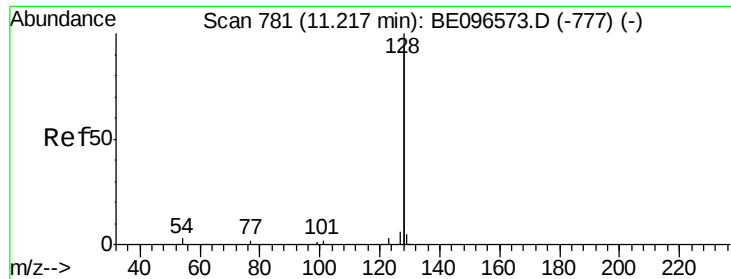


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.36 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

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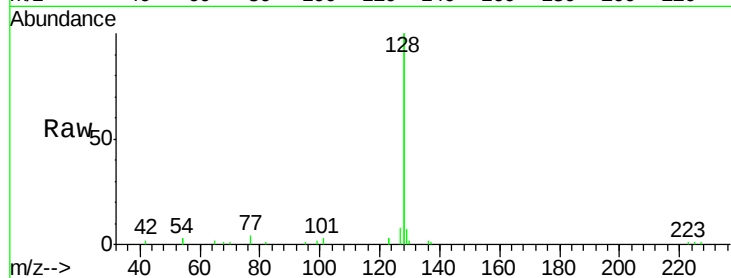
Tgt Ion:128 Resp: 11861

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

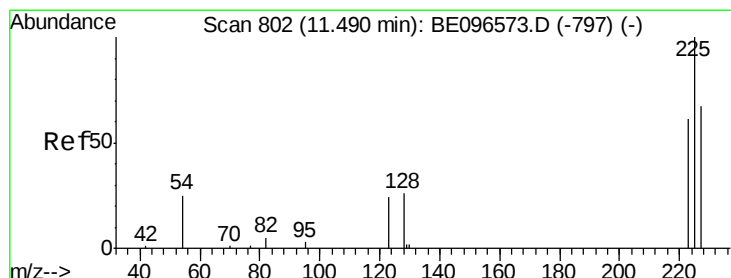
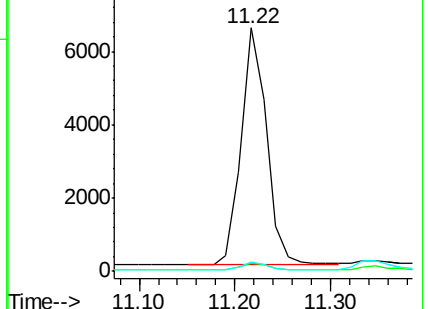
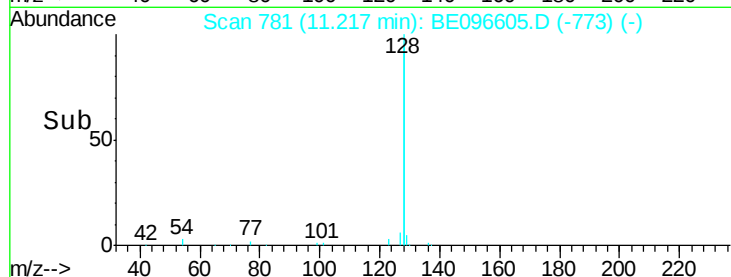
127 3.9 2.8 4.2



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: 0.24 ng

RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

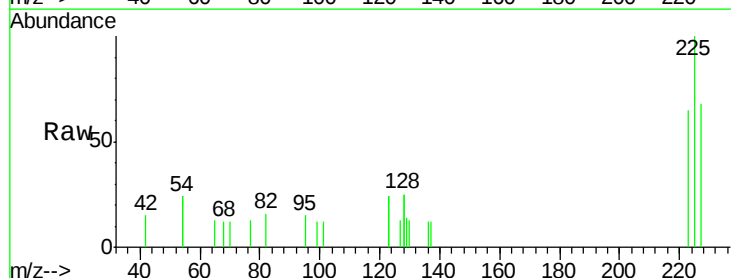
Tgt Ion:225 Resp: 448

Ion Ratio Lower Upper

225 100

223 67.9 53.0 79.6

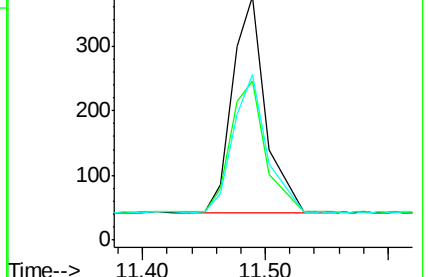
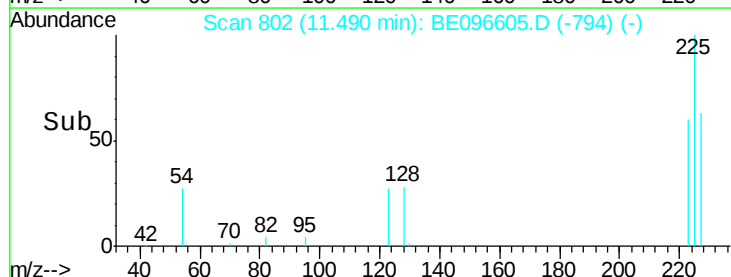
227 88.2 51.4 77.2#

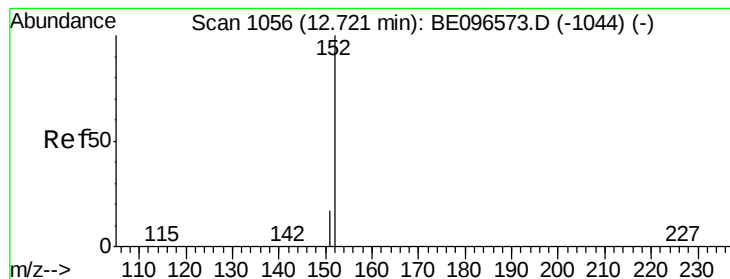


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.33 ng

RT: 12.72 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

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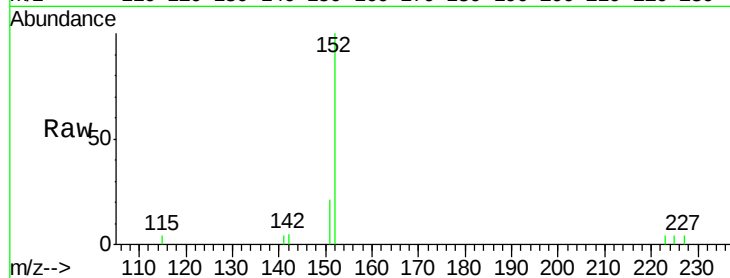
PB109397BS

Tgt Ion:152 Resp: 1687

Ion Ratio Lower Upper

152 100

151 20.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1200

1000

800

600

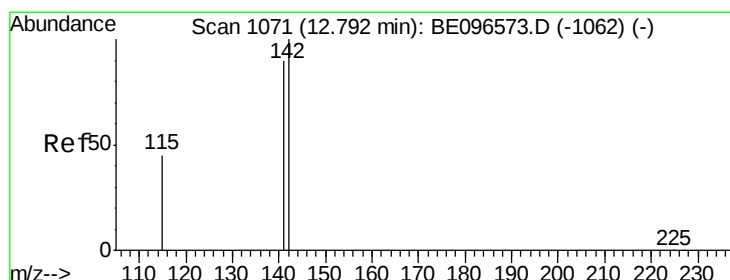
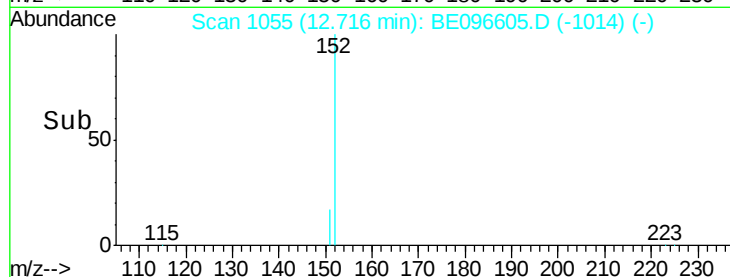
400

200

0

12.70 12.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.34 ng

RT: 12.79 min Scan# 1070

Delta R.T. -0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

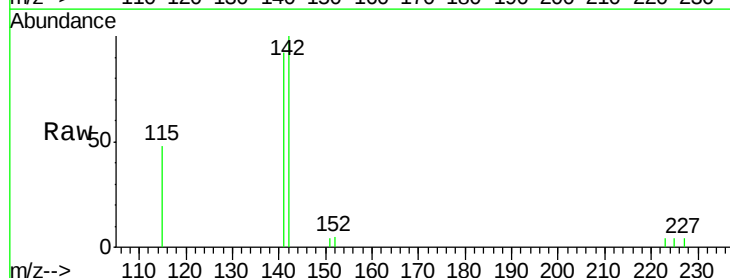
Tgt Ion:142 Resp: 1916

Ion Ratio Lower Upper

142 100

141 91.7 70.4 105.6

115 47.9 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

1500

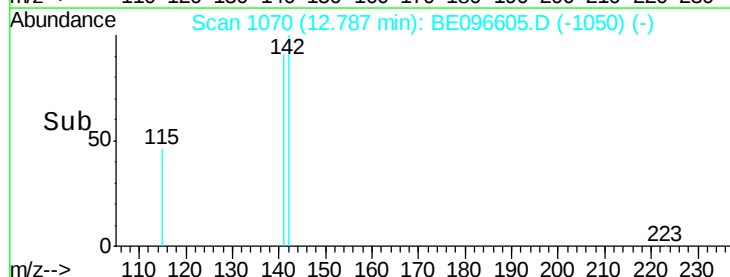
1000

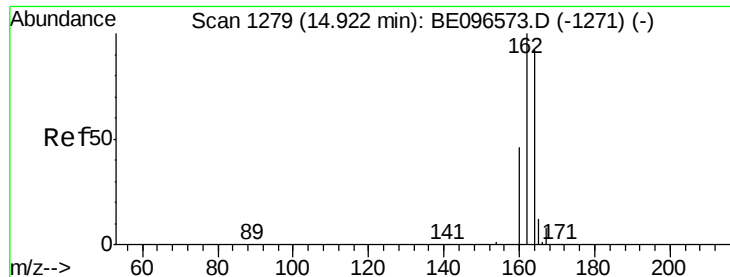
500

0

12.70 12.75 12.80 12.85

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.92 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

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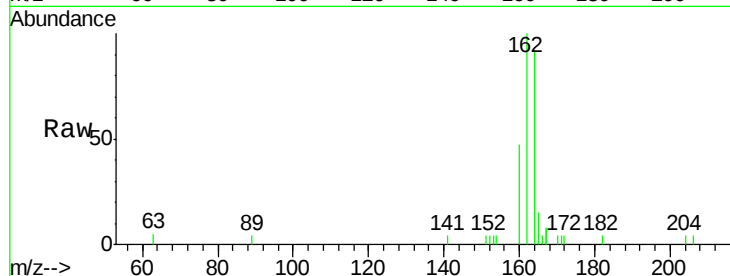
Tgt Ion:164 Resp: 1572

Ion Ratio Lower Upper

164 100

162 109.1 83.1 124.7

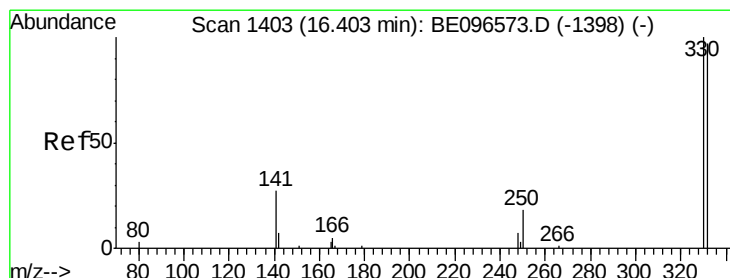
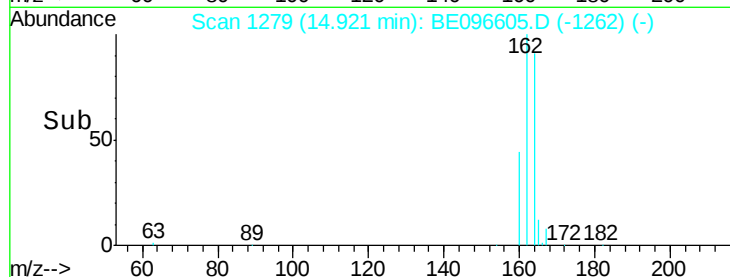
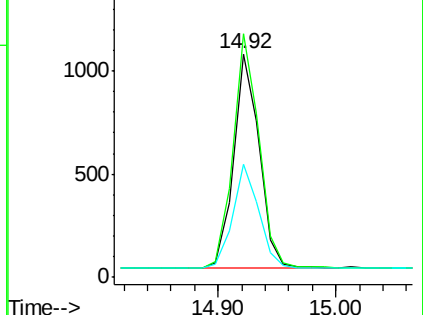
160 50.8 37.1 55.7



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: 0.29 ng

RT: 16.40 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

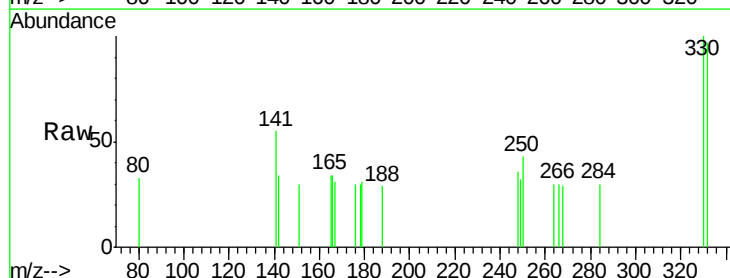
Tgt Ion:330 Resp: 180

Ion Ratio Lower Upper

330 100

332 101.7 152.7 229.1#

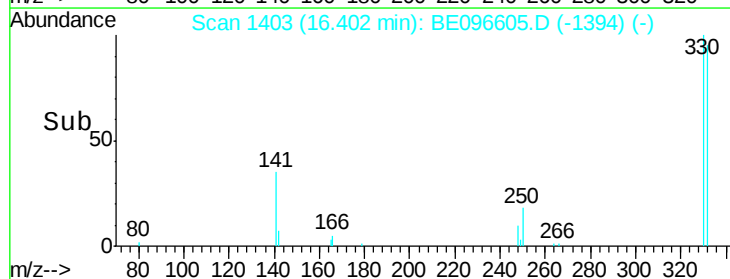
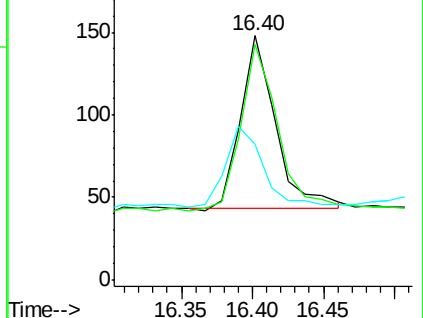
141 50.6 33.7 50.5#

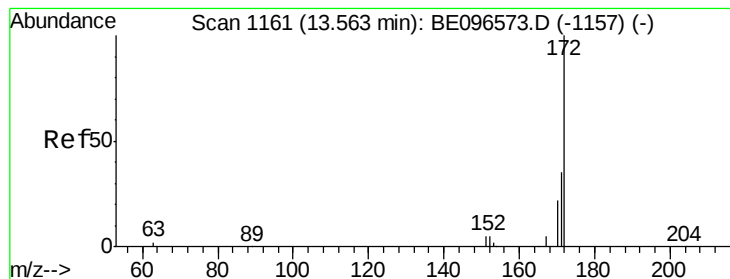


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.37 ng

RT: 13.56 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

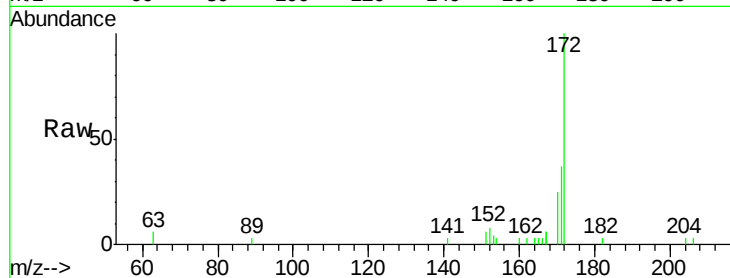
Tgt Ion:172 Resp: 2502

Ion Ratio Lower Upper

172 100

171 37.5 29.9 44.9

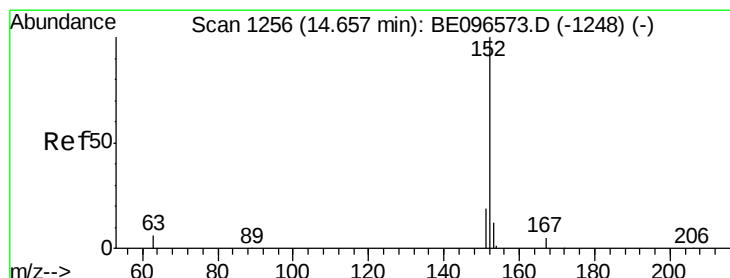
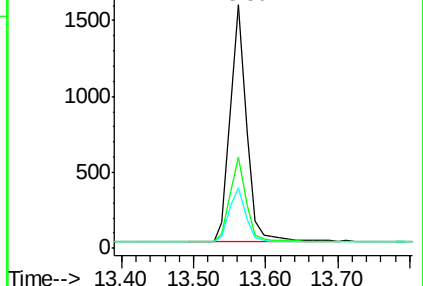
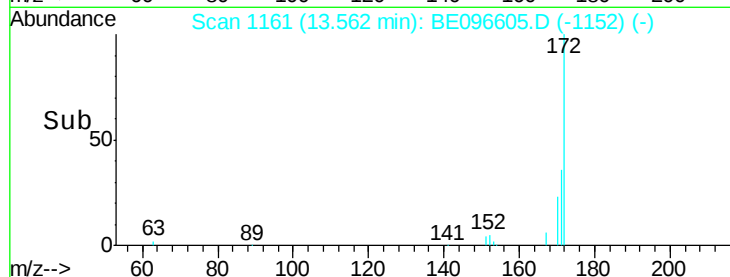
170 24.7 21.8 32.8



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: 0.33 ng

RT: 14.66 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

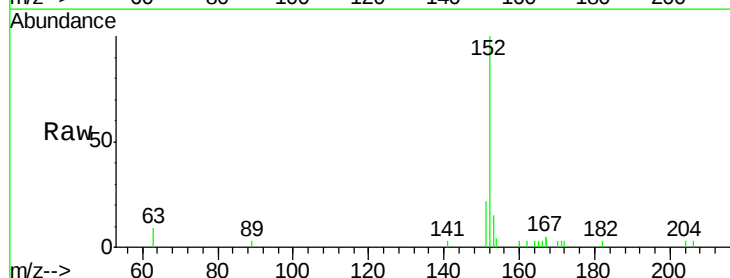
Tgt Ion:152 Resp: 2711

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

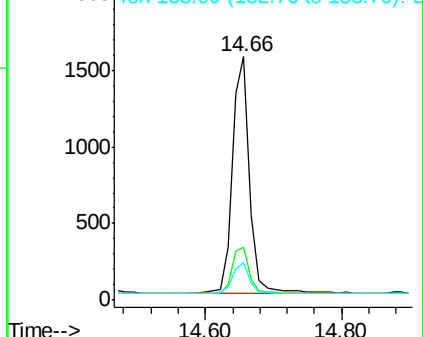
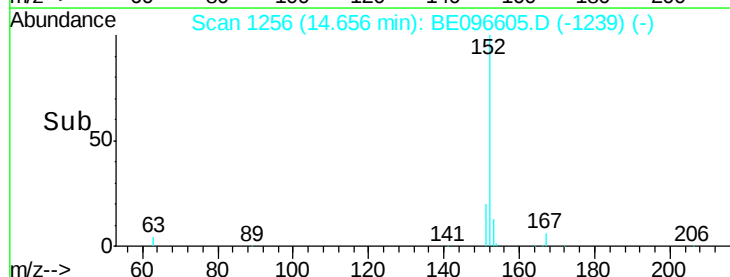
153 12.9 10.5 15.7

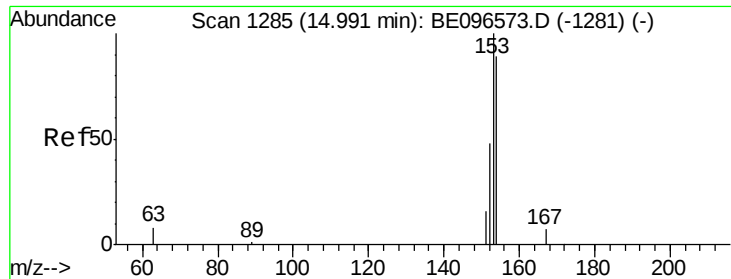


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.34 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

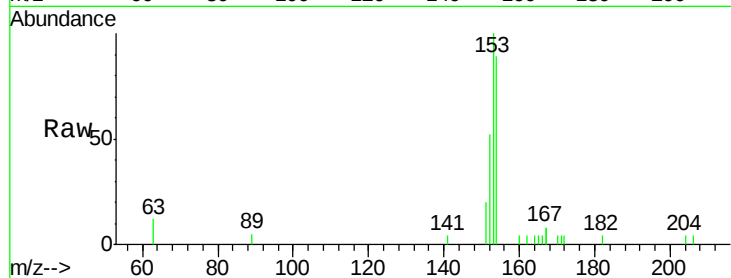
Tgt Ion:154 Resp: 1683

Ion Ratio Lower Upper

154 100

153 117.9 89.2 133.8

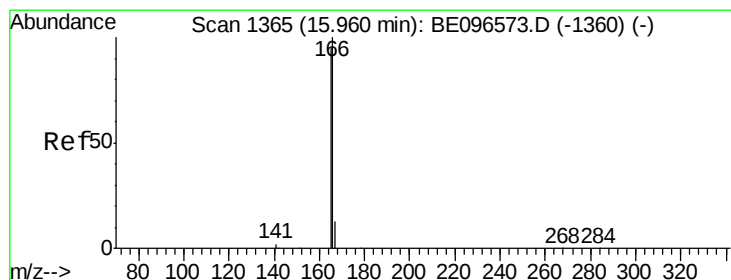
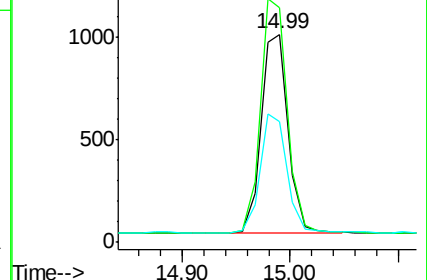
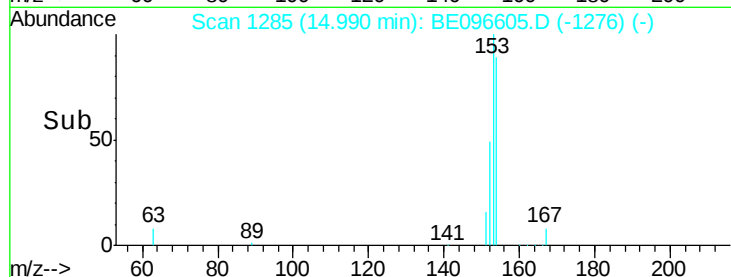
152 59.8 42.0 63.0



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: 0.40 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

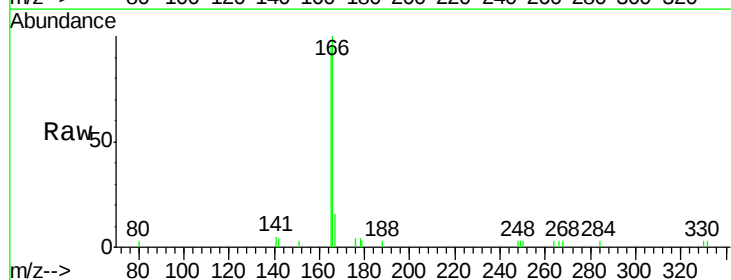
Tgt Ion:166 Resp: 2461

Ion Ratio Lower Upper

166 100

165 103.7 77.8 116.6

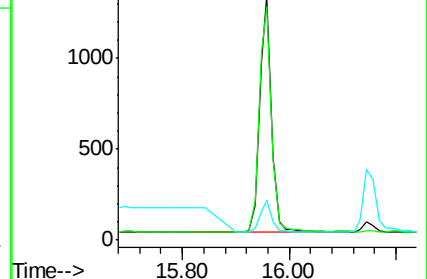
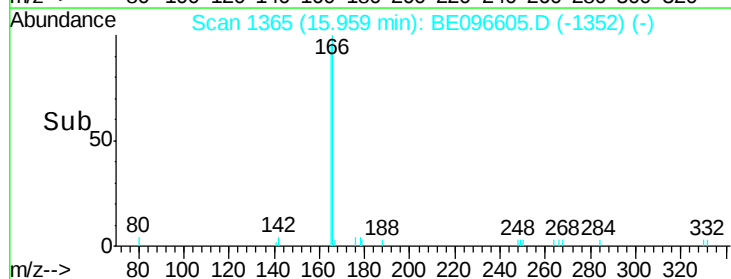
167 10.9 42.4 63.6#

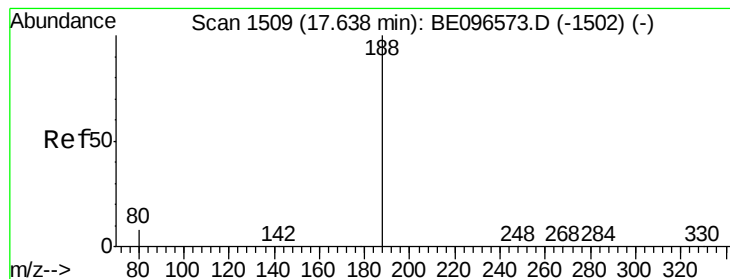


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

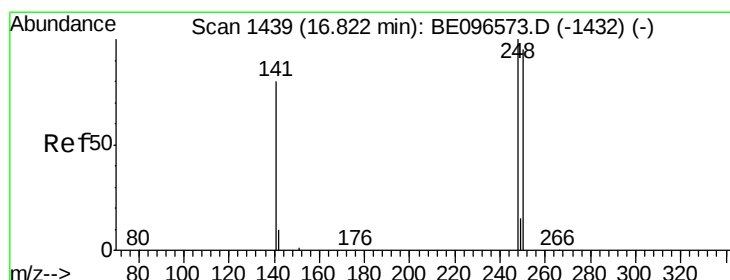
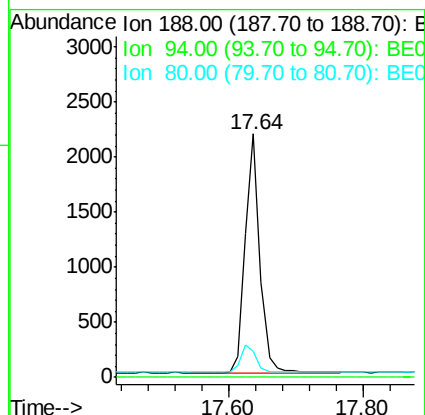
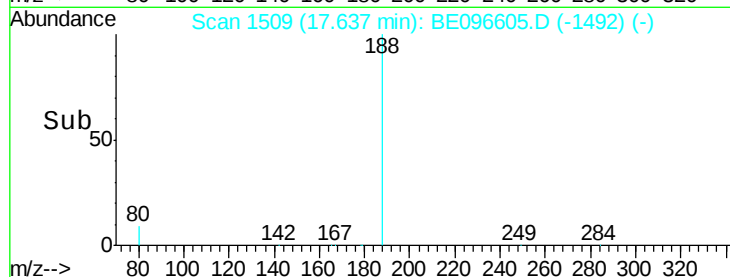
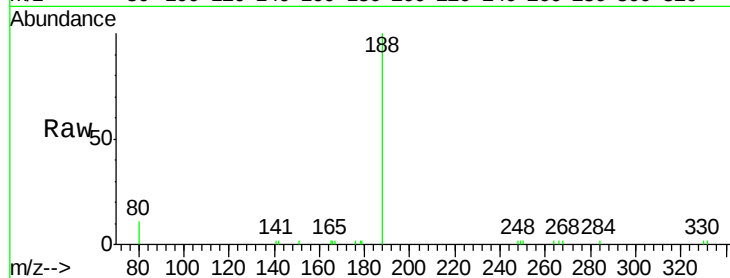
Tgt Ion:188 Resp: 3271

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.8 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.32 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

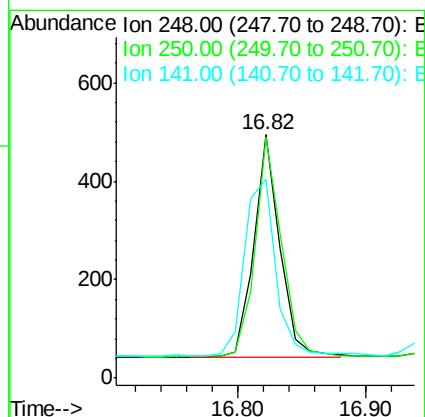
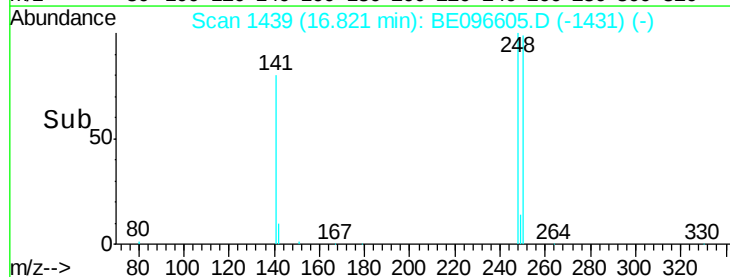
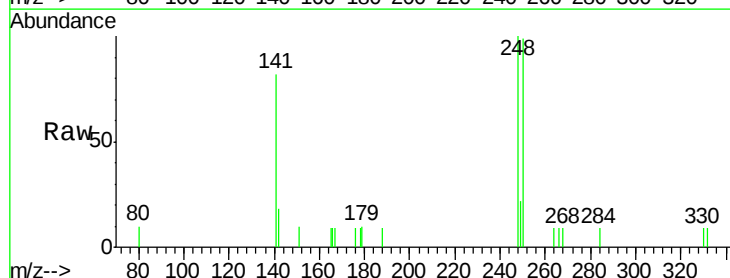
Tgt Ion:248 Resp: 636

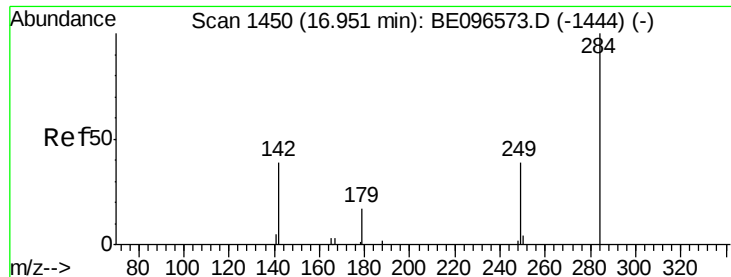
Ion Ratio Lower Upper

248 100

250 99.2 62.7 94.1#

141 81.8 48.2 72.2#

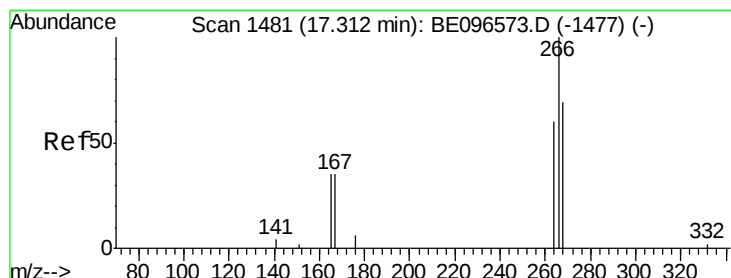
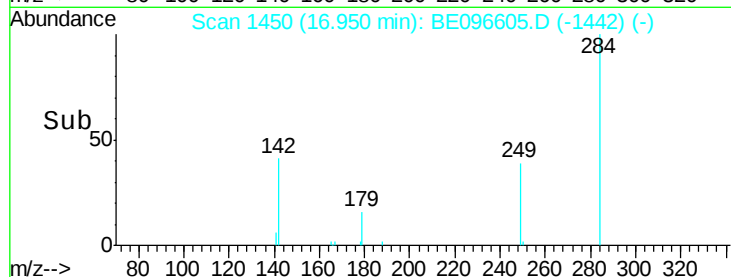
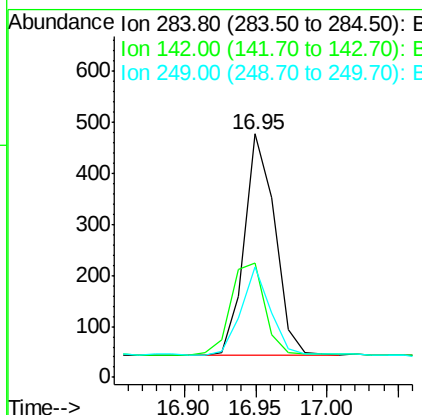
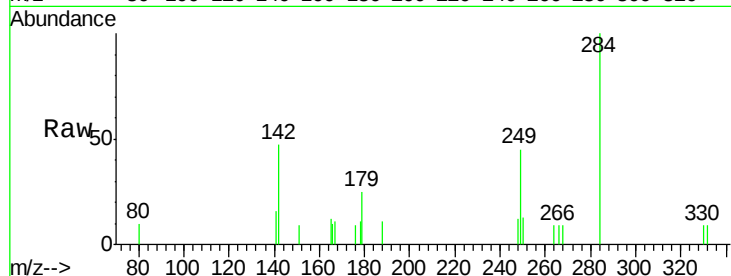




#21
Hexachlorobenzene
Concen: 0.32 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096605.D
Acq: 17 May 2018 12:20

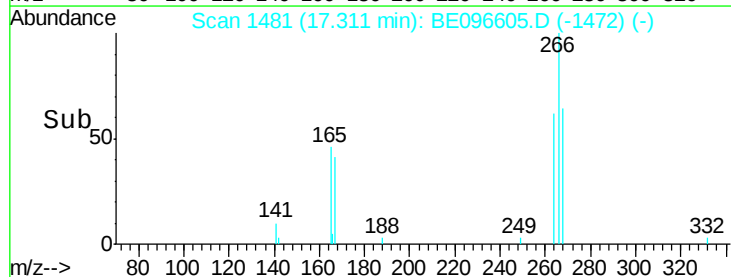
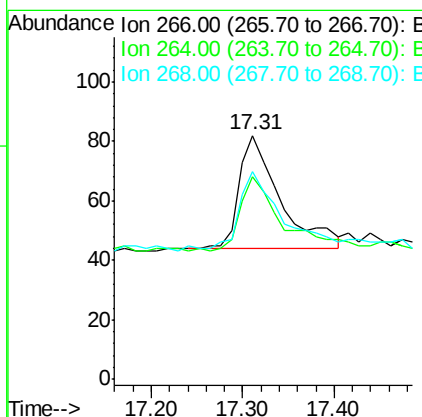
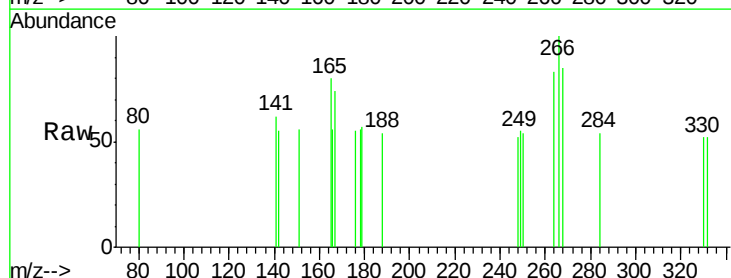
Instrument :
BNA_E
ClientSampleId :
PB109397BS

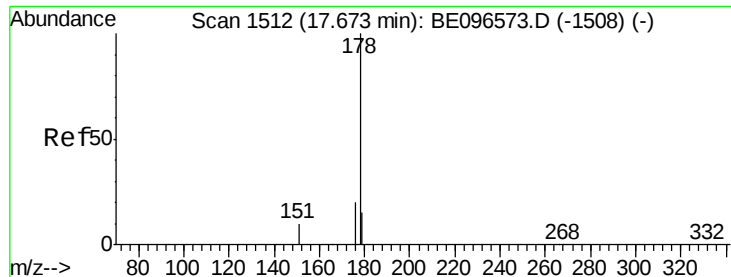
Tgt Ion: 284 Resp: 652
Ion Ratio Lower Upper
284 100
142 46.5 22.1 33.1#
249 37.0 34.8 52.2



#22
Pentachlorophenol
Concen: 0.36 ng
RT: 17.31 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE096605.D
Acq: 17 May 2018 12:20

Tgt Ion: 266 Resp: 119
Ion Ratio Lower Upper
266 100
264 82.9 72.5 108.7
268 85.4 73.8 110.6





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

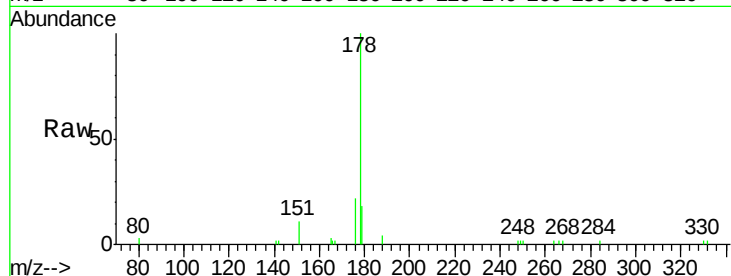
Tgt Ion:178 Resp: 3173

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

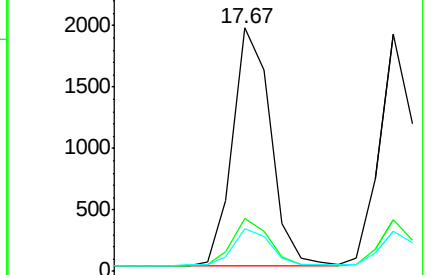
179 15.2 11.8 17.6



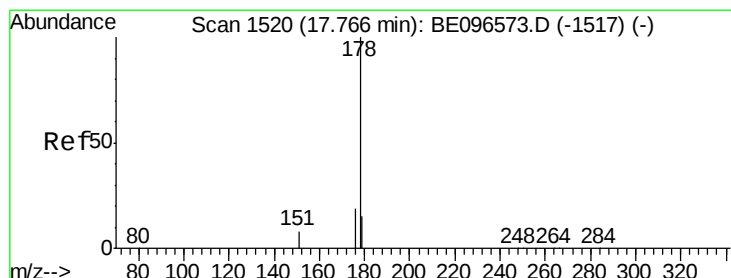
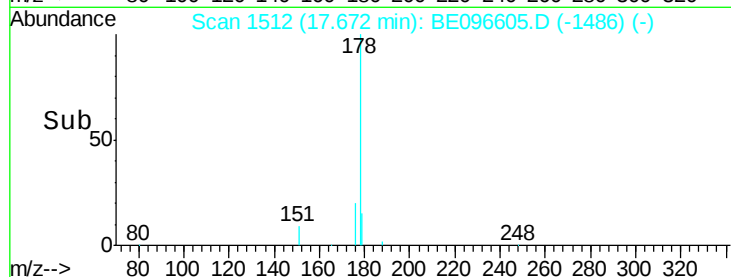
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.34 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

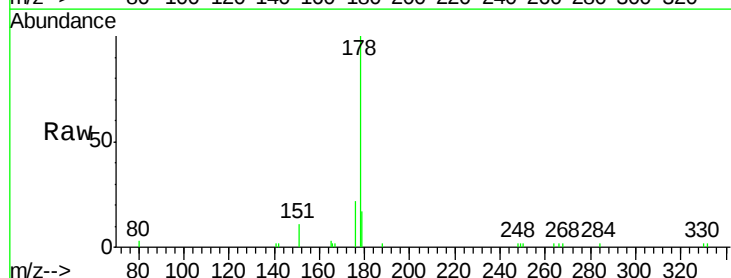
Tgt Ion:178 Resp: 2938

Ion Ratio Lower Upper

178 100

176 19.5 12.8 19.2#

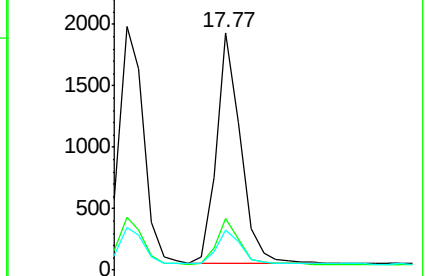
179 14.7 13.0 19.6



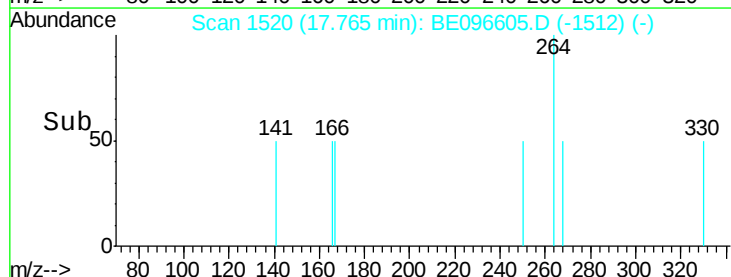
Abundance Ion 178.00 (177.70 to 178.70): E

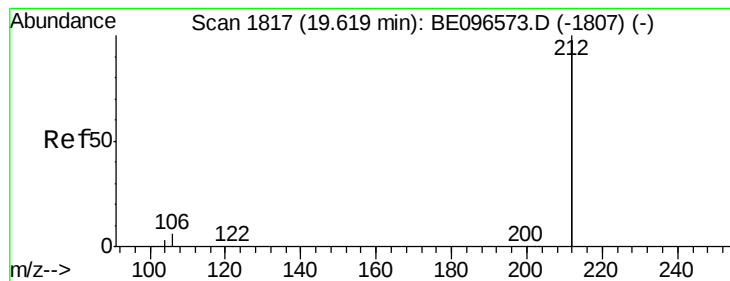
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.35 ng

RT: 19.62 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

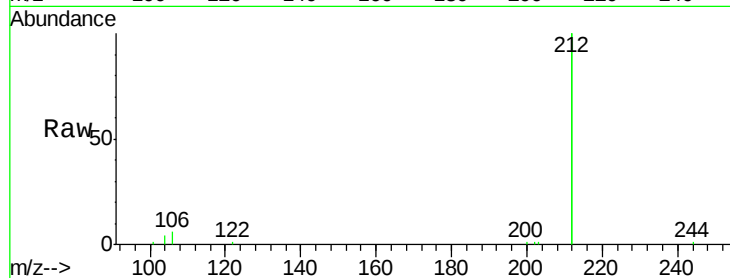
Tgt Ion:212 Resp: 13976

Ion Ratio Lower Upper

212 100

106 2.7 2.8 4.2#

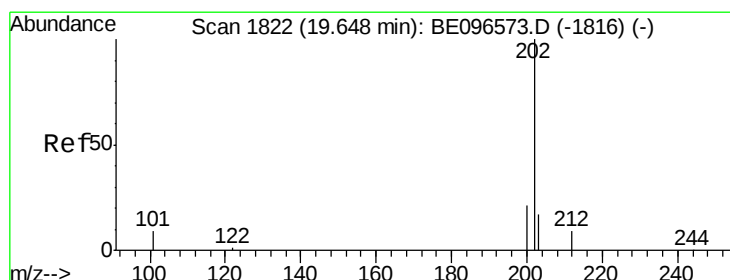
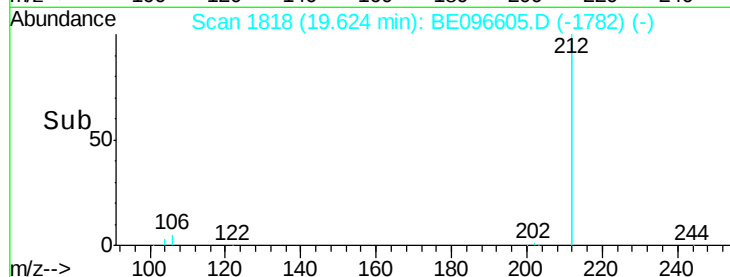
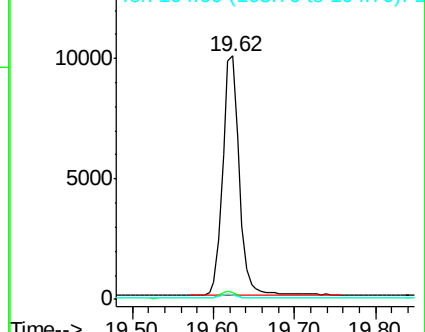
104 1.6 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.36 ng

RT: 19.65 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

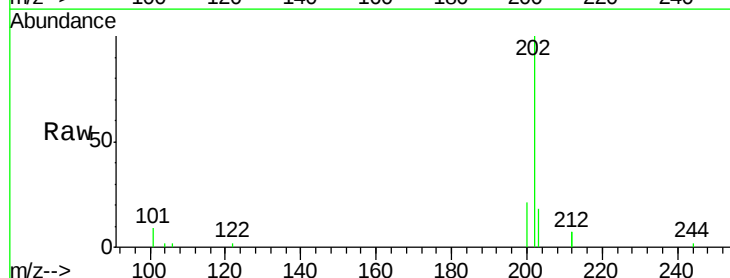
Tgt Ion:202 Resp: 3903

Ion Ratio Lower Upper

202 100

101 9.6 9.8 14.8#

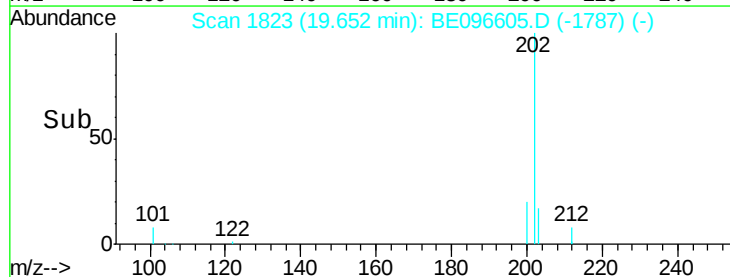
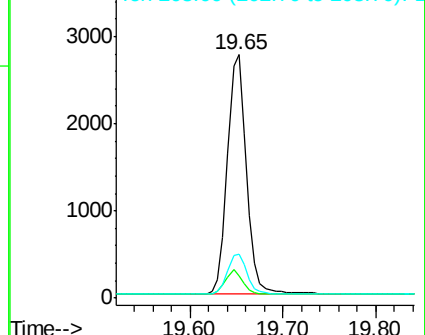
203 17.0 13.7 20.5



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: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

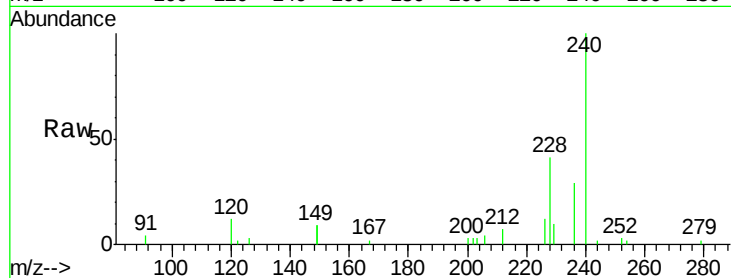
Tgt Ion:240 Resp: 3523

Ion Ratio Lower Upper

240 100

120 12.1 5.5 8.3#

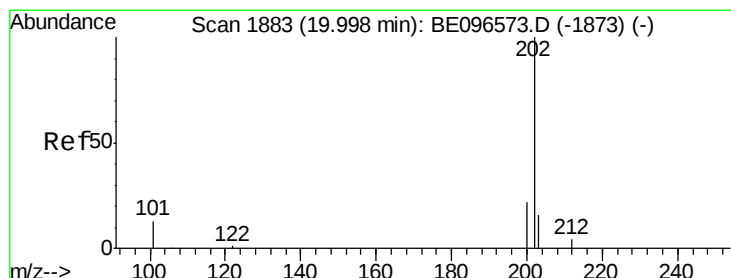
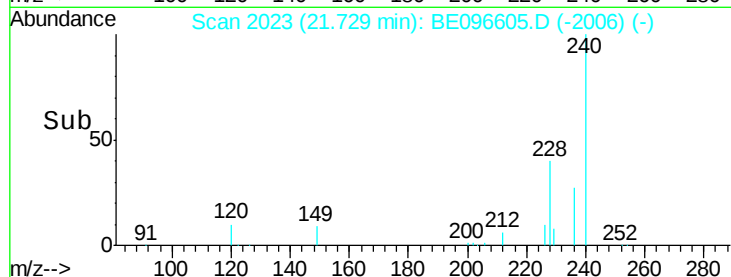
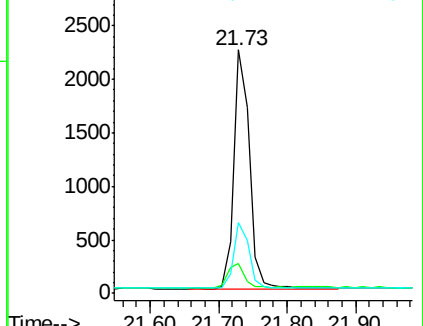
236 28.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.23 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

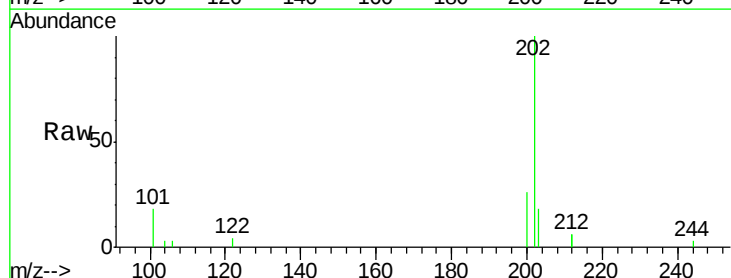
Tgt Ion:202 Resp: 1493

Ion Ratio Lower Upper

202 100

200 27.1 16.6 25.0#

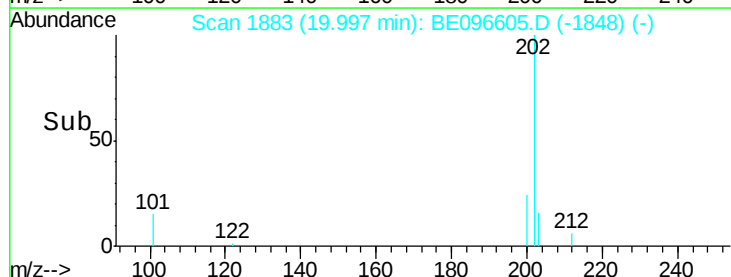
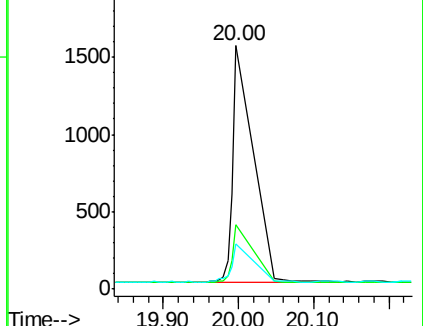
203 19.4 13.8 20.8



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: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

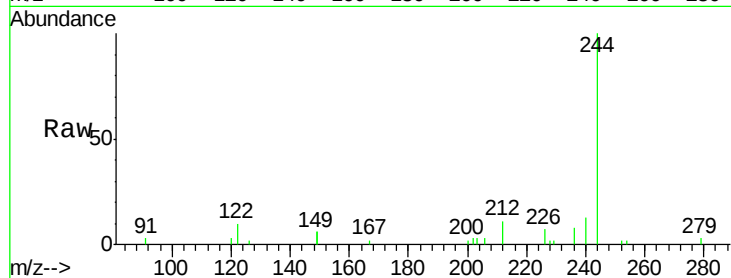
Tgt Ion:244 Resp: 2542

Ion Ratio Lower Upper

244 100

212 10.8 25.4 38.0#

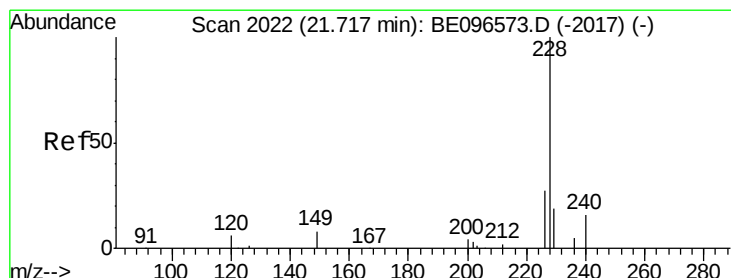
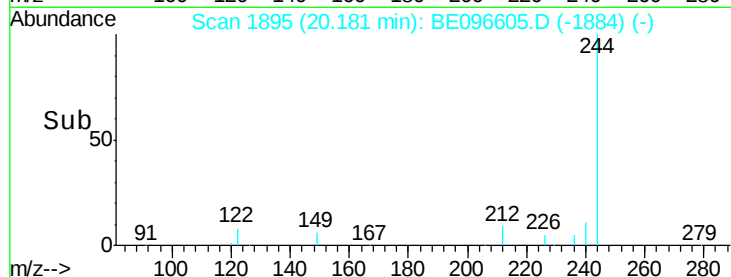
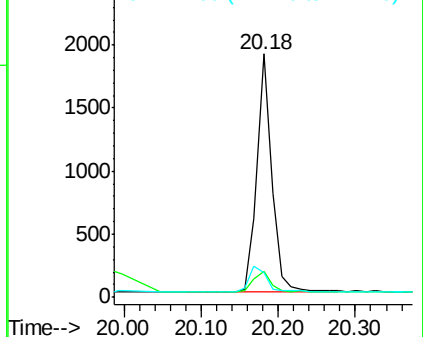
122 10.2 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.35 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

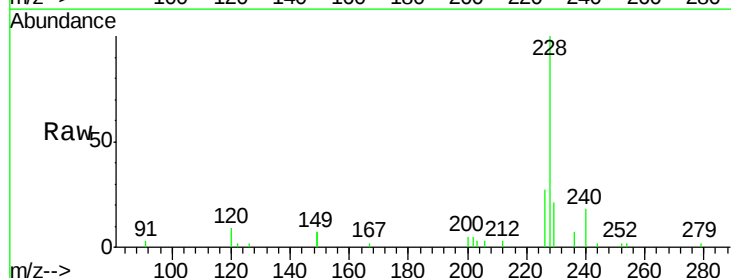
Tgt Ion:228 Resp: 3816

Ion Ratio Lower Upper

228 100

226 27.4 24.0 36.0

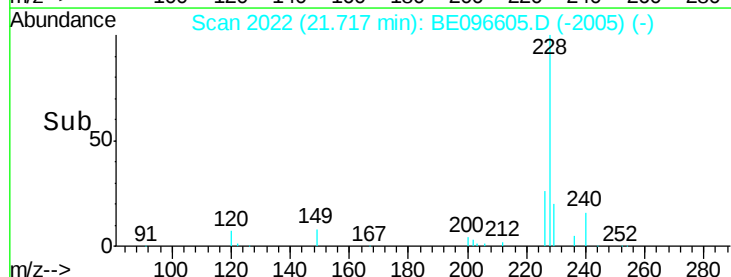
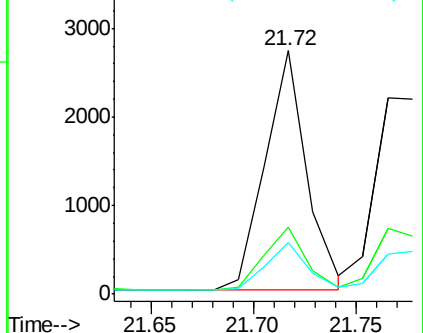
229 21.4 16.0 24.0

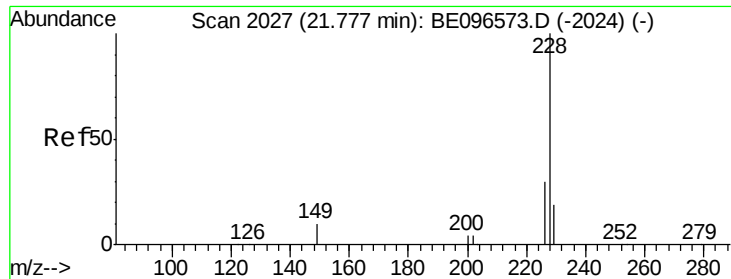


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.34 ng

RT: 21.77 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

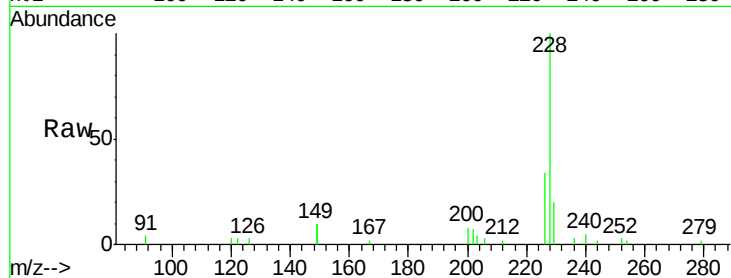
Tgt Ion:228 Resp: 3851

Ion Ratio Lower Upper

228 100

226 33.8 24.0 36.0

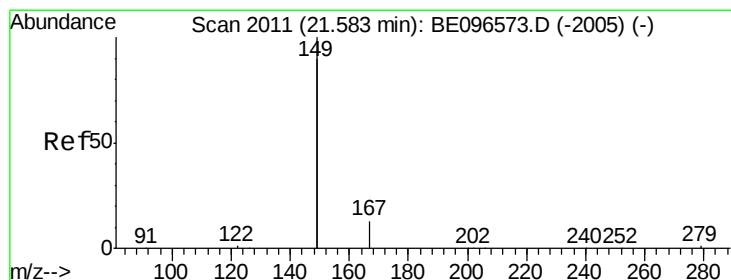
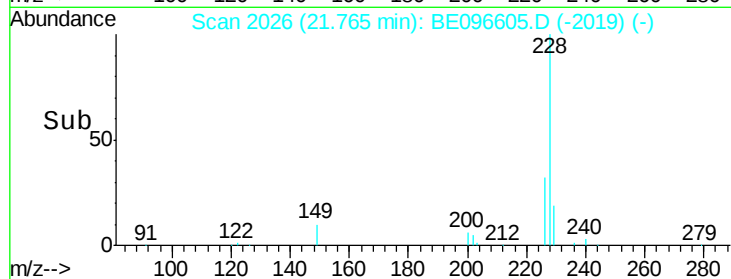
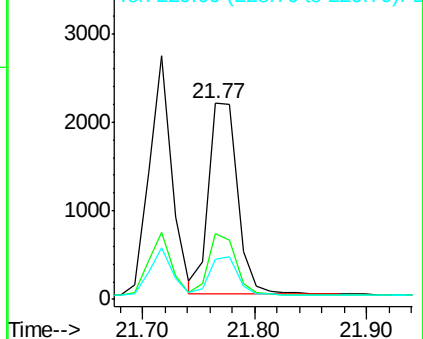
229 20.3 16.0 24.0



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: 0.28 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

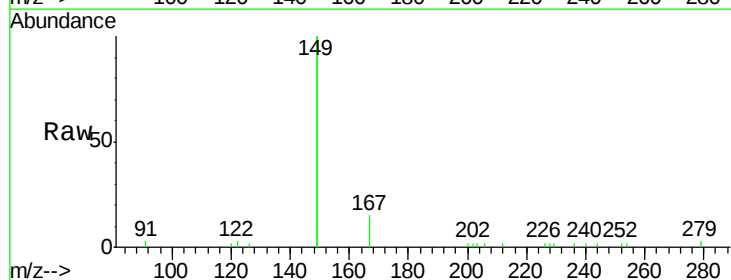
Tgt Ion:149 Resp: 6393

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

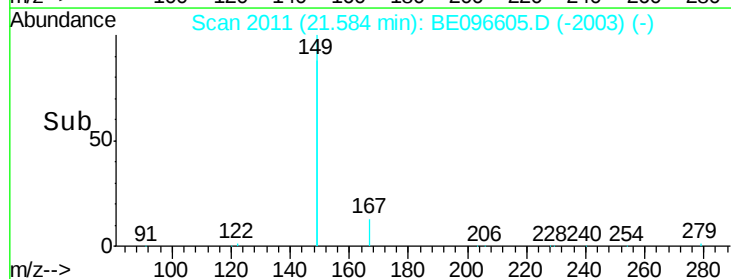
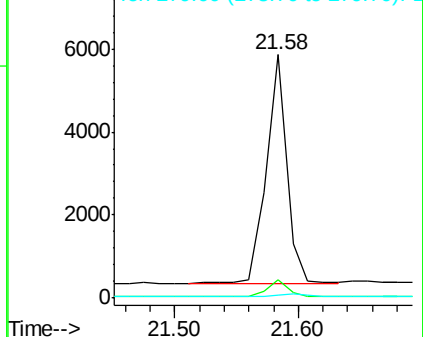
279 0.9 0.7 1.1



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: 0.37 ng

RT: 27.10 min Scan# 3465

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

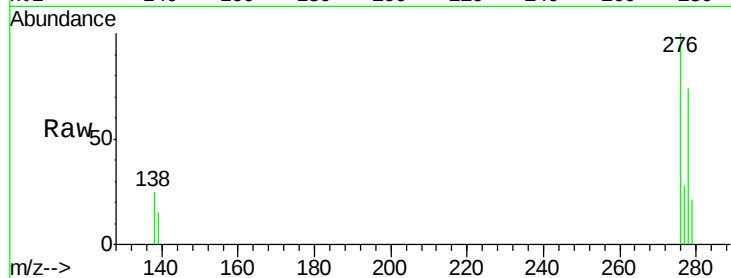
Tgt Ion:276 Resp: 4007

Ion Ratio Lower Upper

276 100

138 21.2 22.5 33.7#

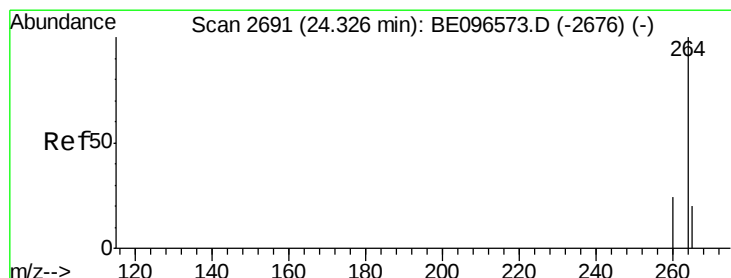
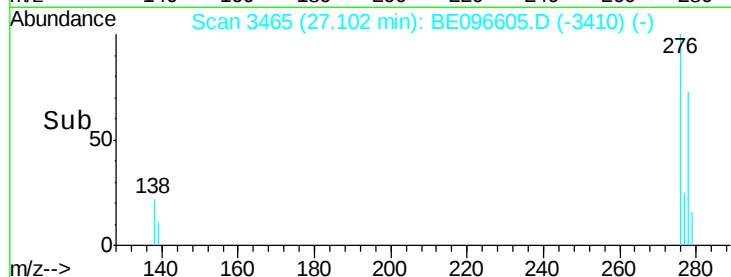
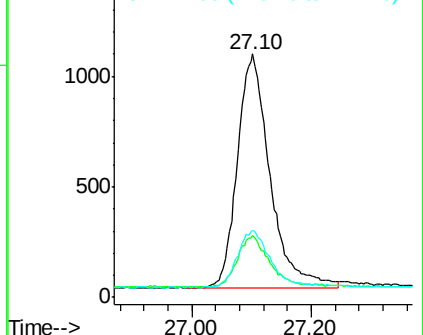
277 24.1 19.9 29.9



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# 2693

Delta R.T. 0.01 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

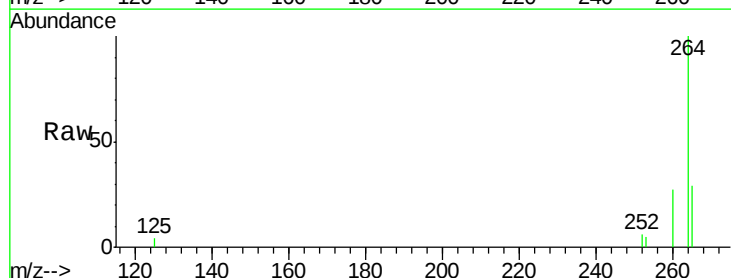
Tgt Ion:264 Resp: 3316

Ion Ratio Lower Upper

264 100

260 26.8 20.5 30.7

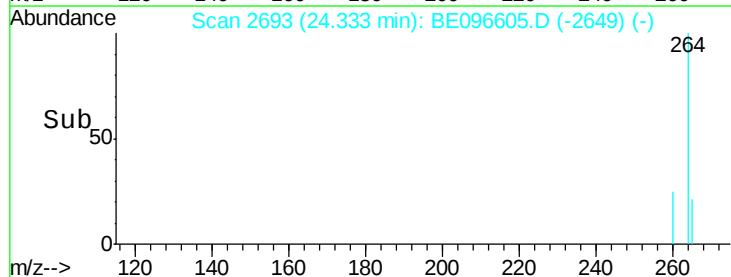
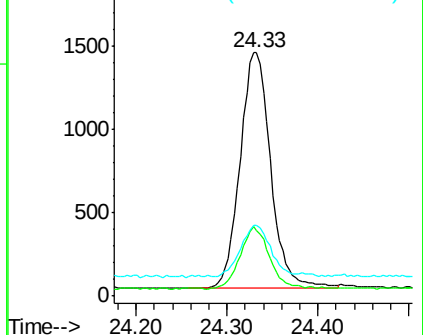
265 29.0 22.8 34.2

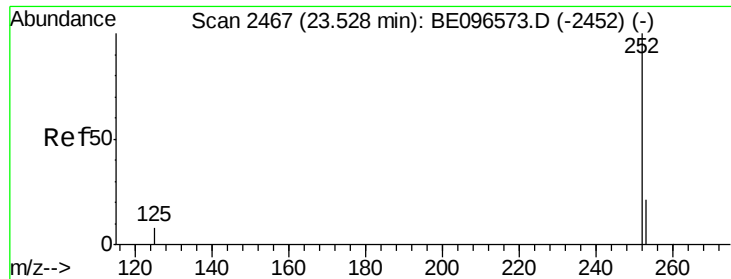


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.36 ng

RT: 23.52 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

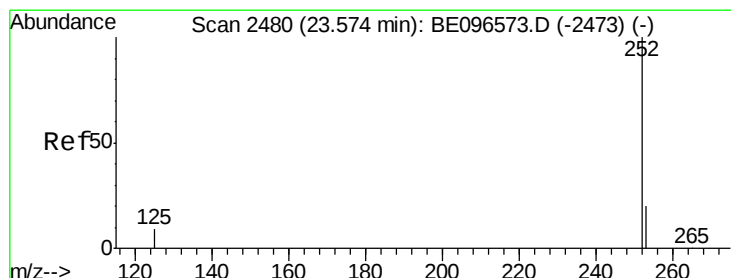
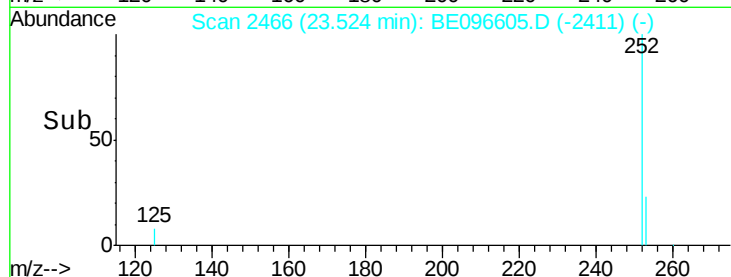
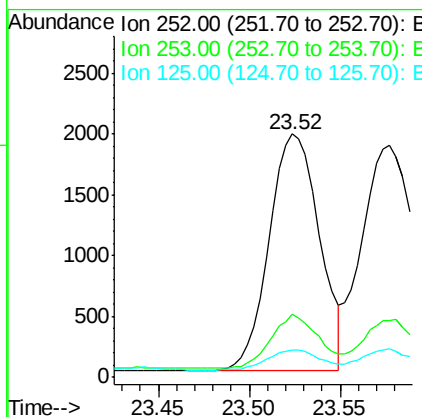
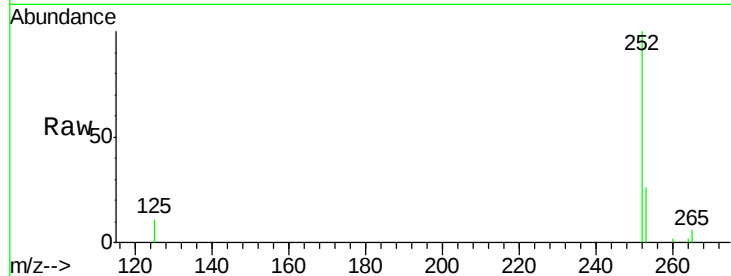
Instrument :

BNA_E

ClientSampleId :

PB109397BS

Tgt Ion:	252	Resp:	3717
Ion	Ratio	Lower	Upper
252	100		
253	25.8	20.0	30.0
125	11.3	16.0	24.0#



#36

Benzo(k)fluoranthene

Concen: 0.35 ng

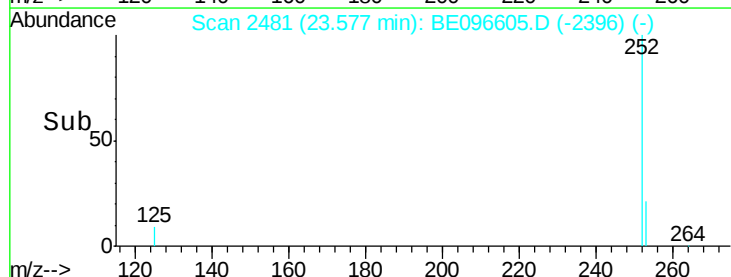
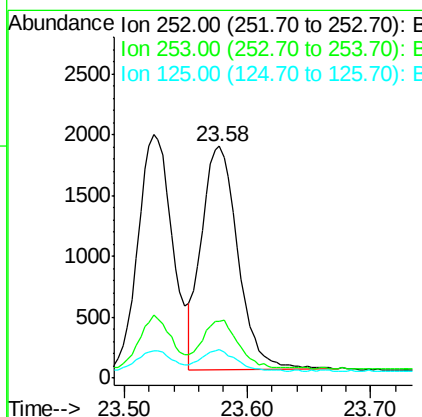
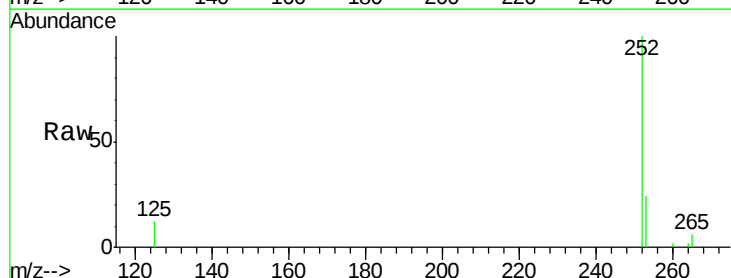
RT: 23.58 min Scan# 2481

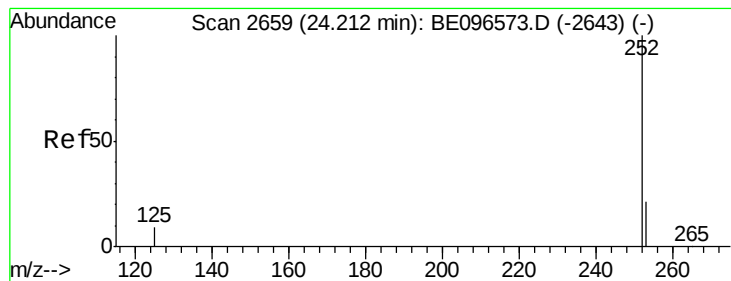
Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Tgt Ion:	252	Resp:	3786
Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.0	24.0#
125	12.3	8.0	12.0#





#37

Benzo(a)pyrene

Concen: 0.36 ng

RT: 24.22 min Scan# 2660

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS

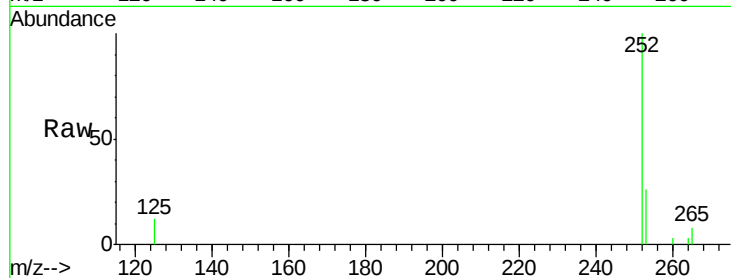
Tgt Ion:252 Resp: 3567

Ion Ratio Lower Upper

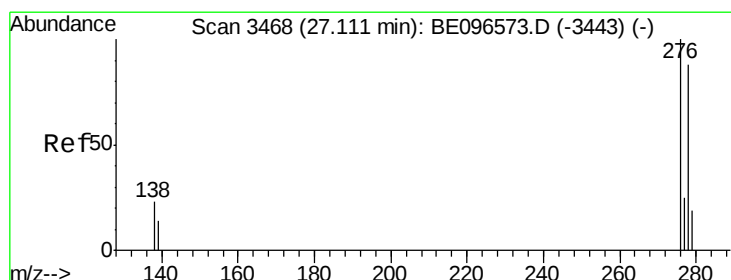
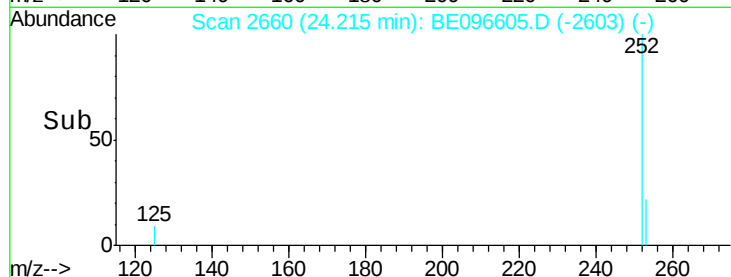
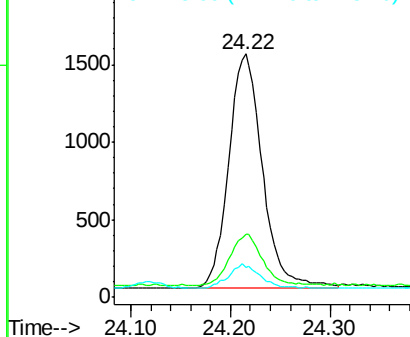
252 100

253 25.7 16.0 24.0#

125 12.4 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: 0.36 ng

RT: 27.11 min Scan# 3468

Delta R.T. 0.00 min

Lab File: BE096605.D

Acq: 17 May 2018 12:20

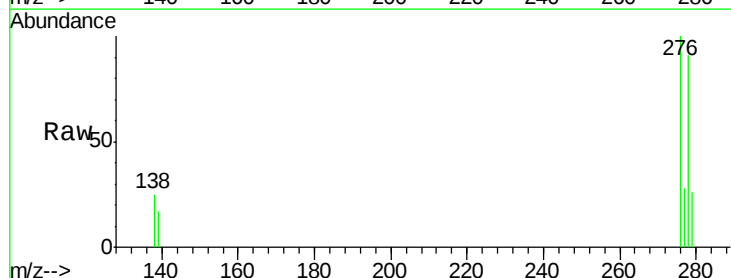
Tgt Ion:278 Resp: 3192

Ion Ratio Lower Upper

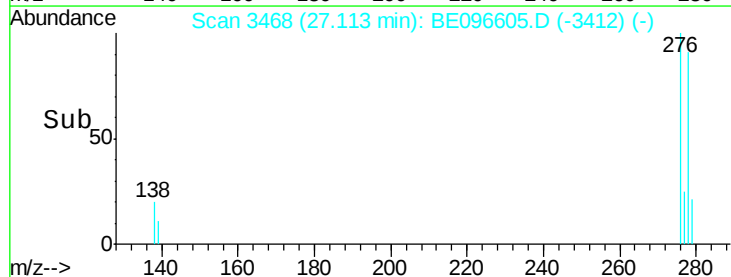
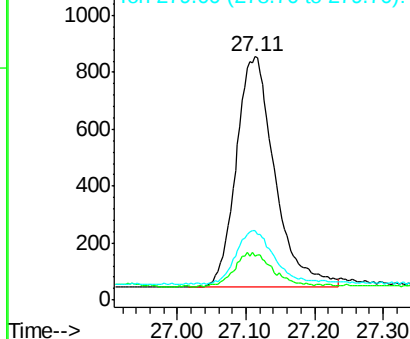
278 100

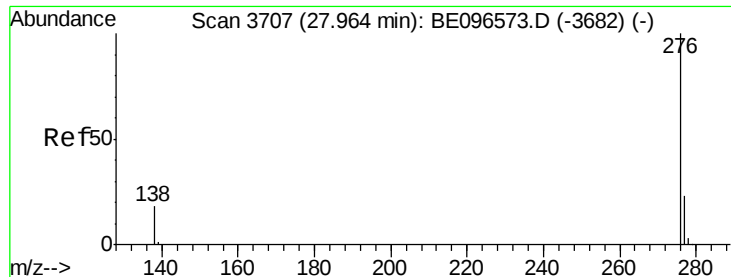
139 18.2 16.0 24.0

279 28.5 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: 0.36 ng

RT: 27.96 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BE096605.D

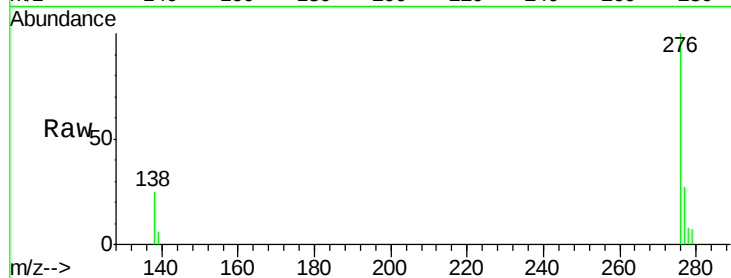
Acq: 17 May 2018 12:20

Instrument :

BNA_E

ClientSampleId :

PB109397BS



Tgt Ion: 276 Resp: 3414

Ion Ratio Lower Upper

276 100

277 26.5 16.0 24.0#

138 25.2 20.0 30.0

