

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061818\
 Data File : BE096814.D
 Acq On : 18 Jun 2018 18:33
 Operator : SJ/JU
 Sample : J3467-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-05-061118

Quant Time: Jun 18 19:16:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 18 13:28:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3209	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16325	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	10343	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	23443	0.40	ng	0.00
27) Chrysene-d12	20.98	240	24234	0.40	ng	0.00
34) Perylene-d12	23.21	264	21376	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	2958	0.42	ng	0.00
5) Phenol-d6	6.59	99	1704	0.16	ng	0.00
8) Nitrobenzene-d5	8.53	82	4113	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	9484	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	1583	0.66	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	21612	0.51	ng	0.00
25) Fluoranthene-d10	18.82	212	107118	0.47	ng	0.00
29) Terphenyl-d14	19.44	244	30042	0.55	ng	0.00

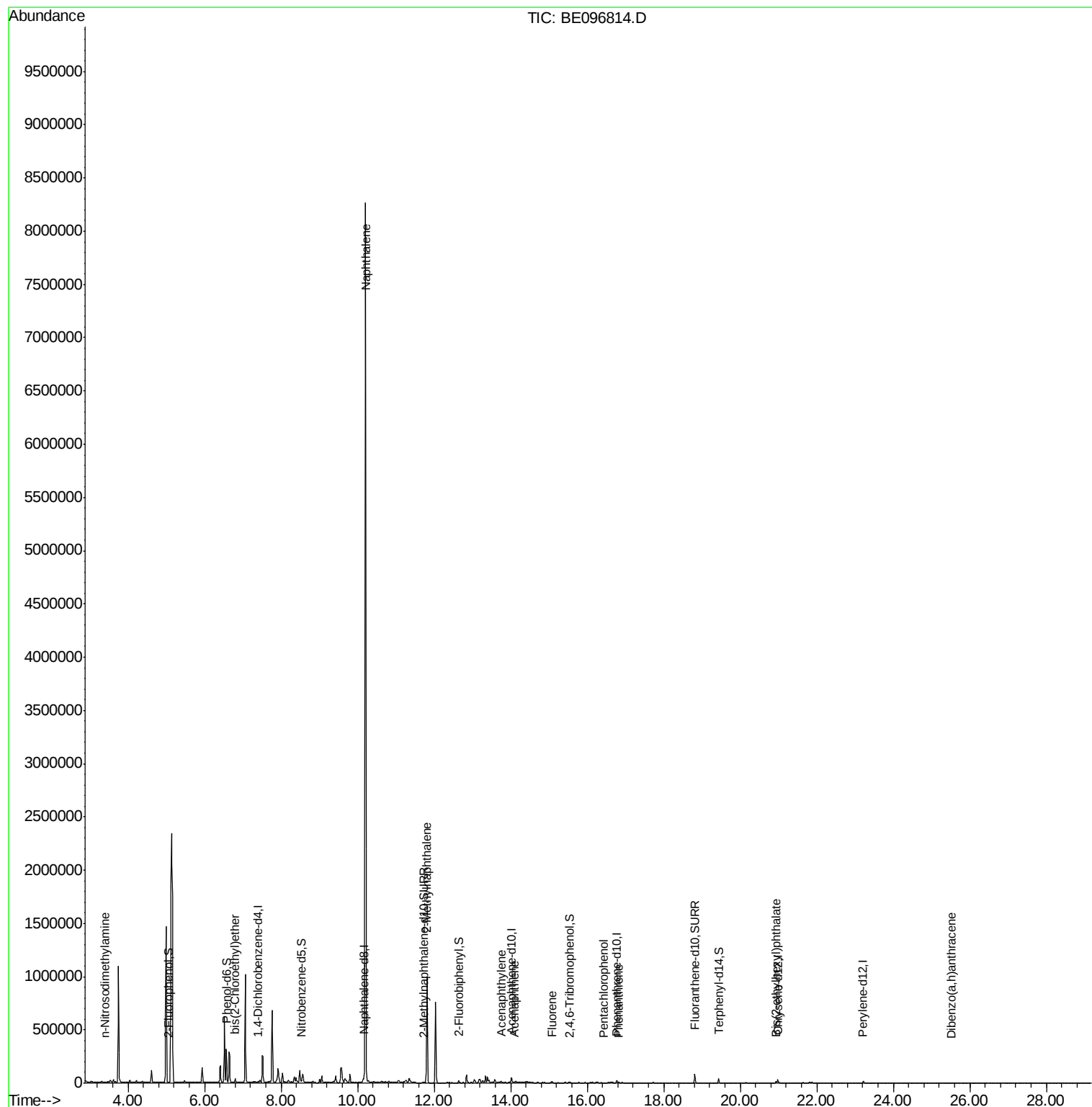
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.38	42	1732	0.316	ng	# 2
6) bis(2-Chloroethyl)ether	6.80	93	1070	0.086	ng	# 1
9) Naphthalene	10.21	128	13572753	84.615	ng	100
12) 2-Methylnaphthalene	11.81	142	688694	25.603	ng	99
16) Acenaphthylene	13.75	152	2372	0.049	ng	# 3
17) Acenaphthene	14.08	154	2866	0.087	ng	# 80
18) Fluorene	15.07	166	7981	0.206	ng	# 81
22) Pentachlorophenol	16.44	266	130	0.138	ng	# 83
23) Phenanthrene	16.81	178	3629	0.057	ng	# 87
32) Bis(2-ethylhexyl)phthalate	20.93	149	13172	0.298	ng	100
38) Dibenzo(a,h)anthracene	25.53	278	506	0.085	ng	# 40

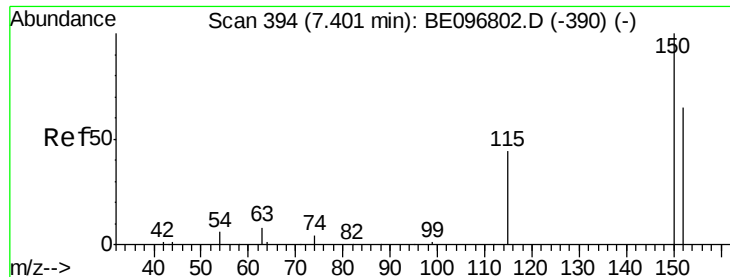
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

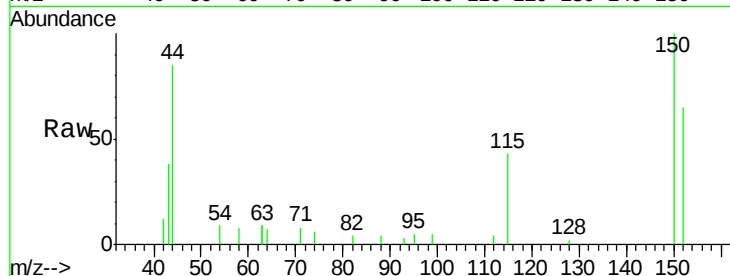
Tgt Ion:152 Resp: 3209

Ion Ratio Lower Upper

152 100

150 154.6 117.2 175.8

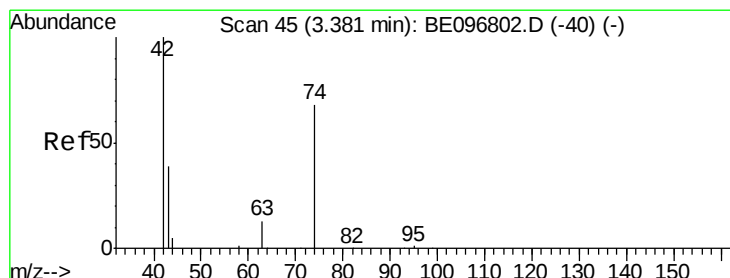
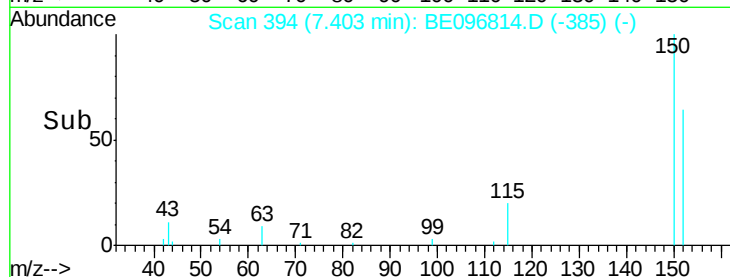
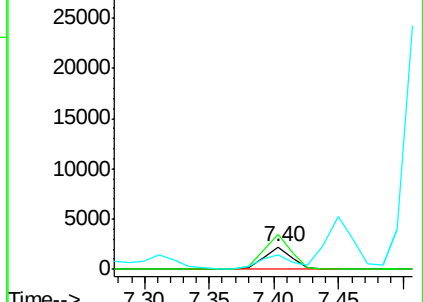
115 66.7 57.0 85.6



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



#3

n-Nitrosodimethylamine

Concen: 0.316 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

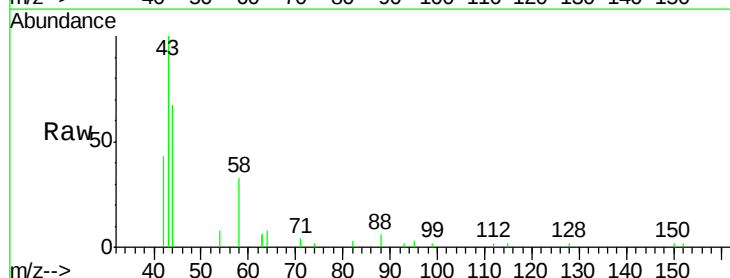
Tgt Ion: 42 Resp: 1732

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

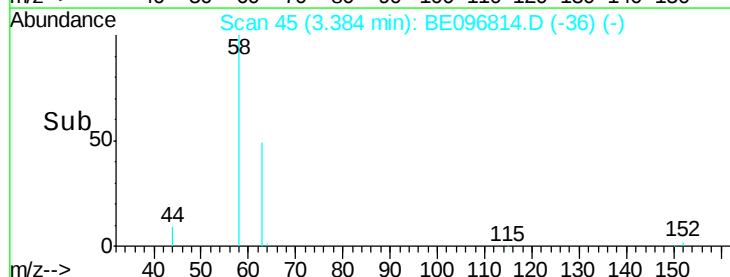
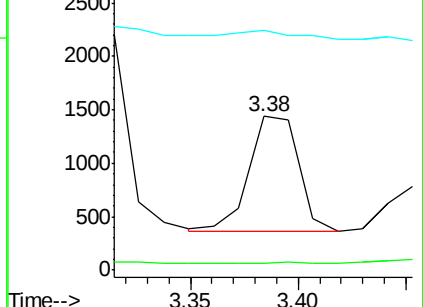
44 7.8 12.0 18.0#

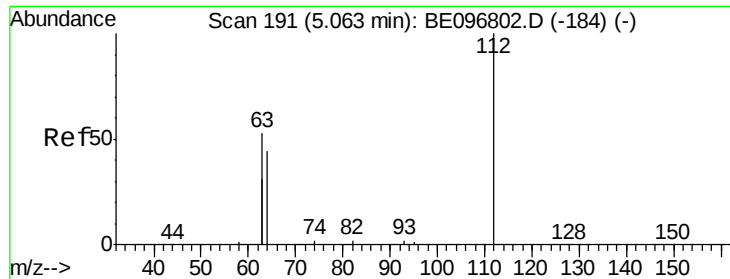


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.422 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

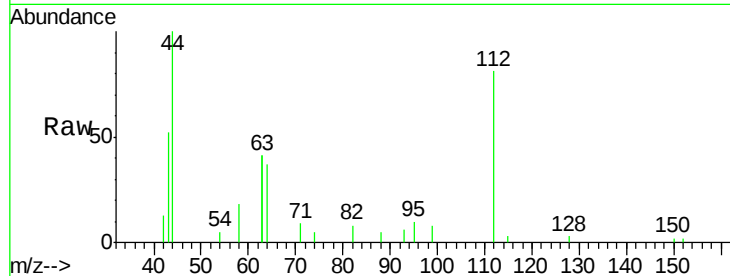
Tgt Ion: 112 Resp: 2958

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

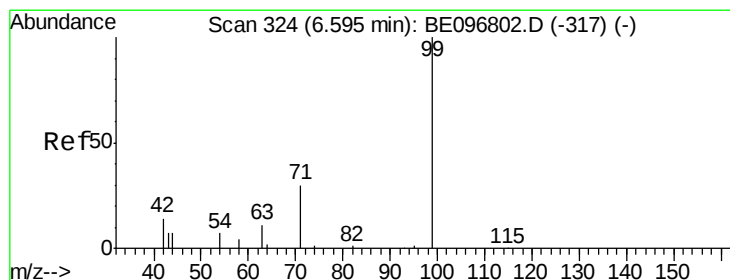
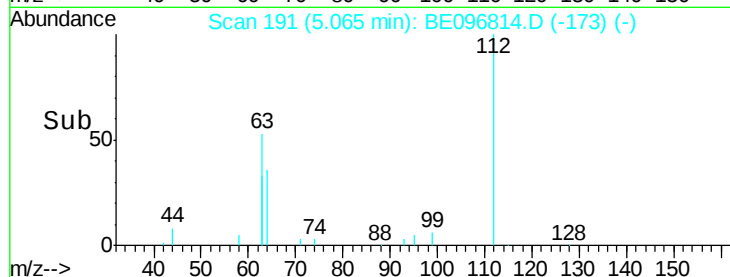
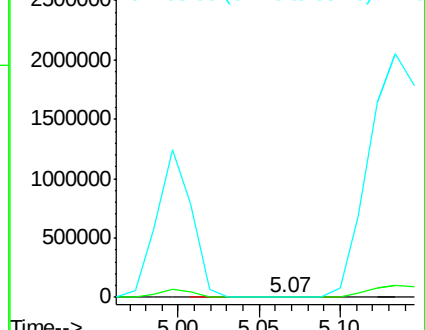
63 0.0 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.162 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

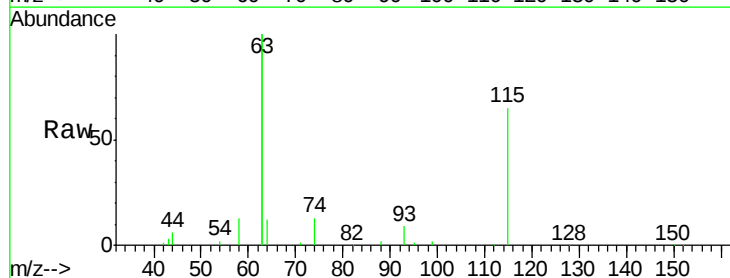
Tgt Ion: 99 Resp: 1704

Ion Ratio Lower Upper

99 100

42 90.6 20.2 30.2#

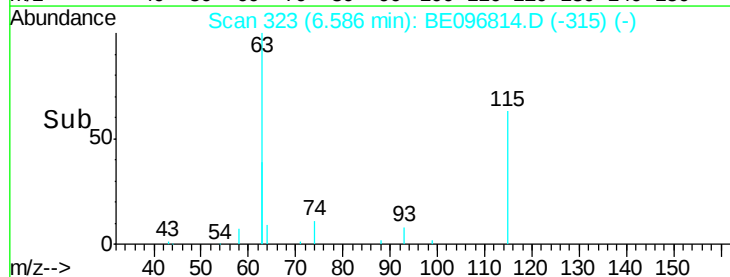
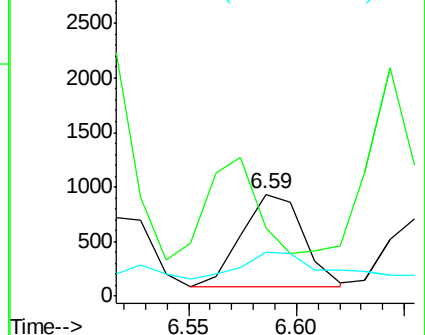
71 35.9 28.4 42.6

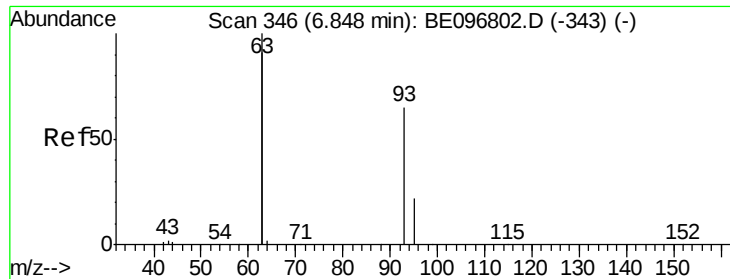


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.086 ng

RT: 6.80 min Scan# 342

Delta R.T. -0.04 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

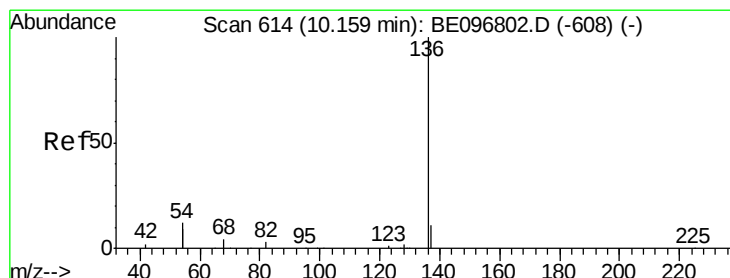
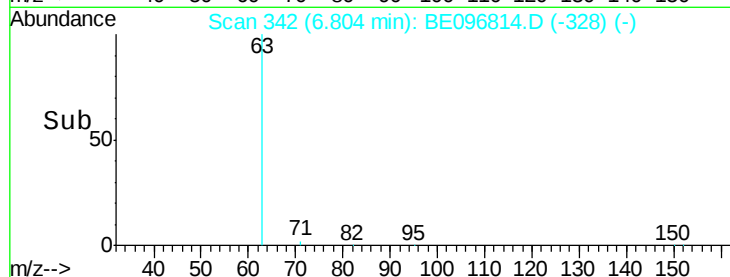
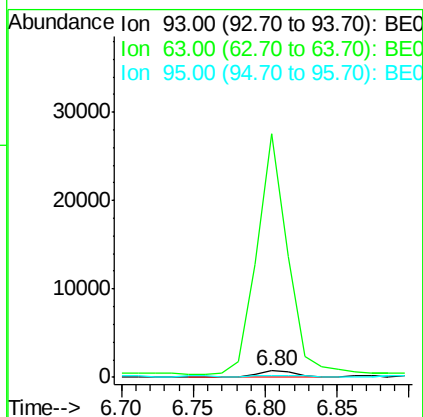
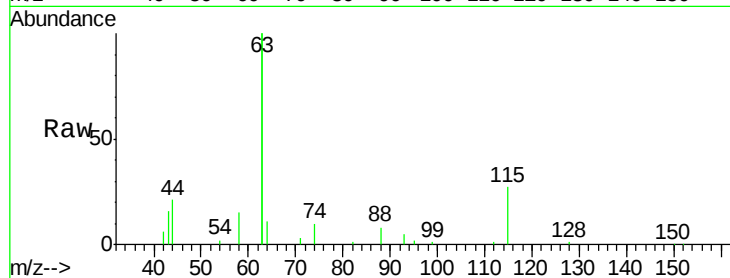
Tgt Ion: 93 Resp: 1070

Ion Ratio Lower Upper

93 100

63 3739.5 275.3 412.9#

95 26.6 25.2 37.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Tgt Ion: 136 Resp: 16325

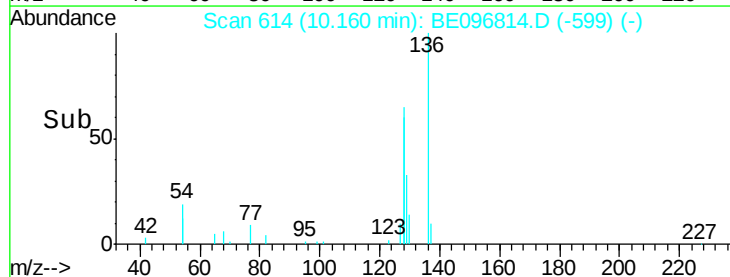
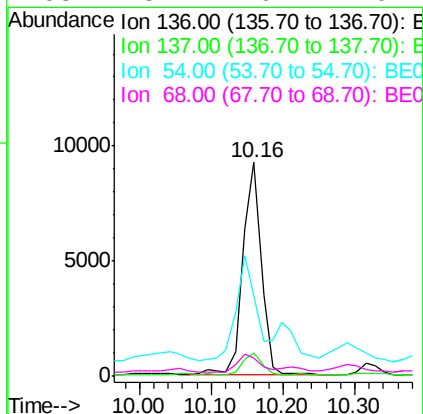
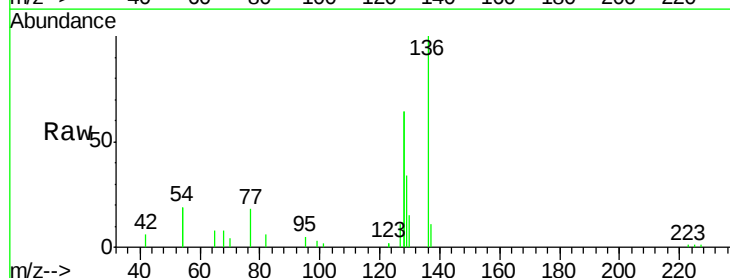
Ion Ratio Lower Upper

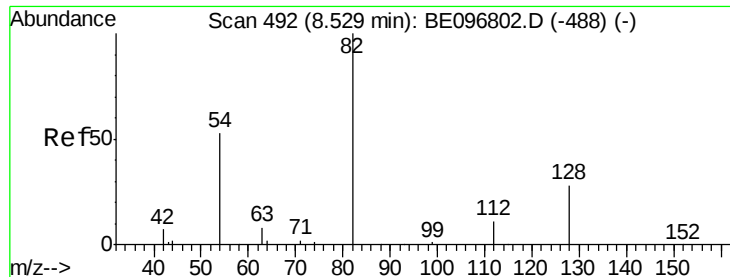
136 100

137 11.1 9.5 14.3

54 37.5 29.1 43.7

68 8.2 6.2 9.2

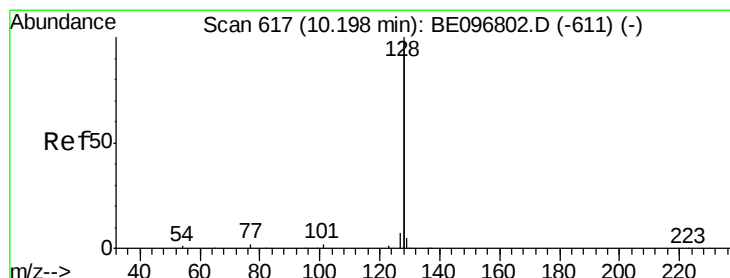
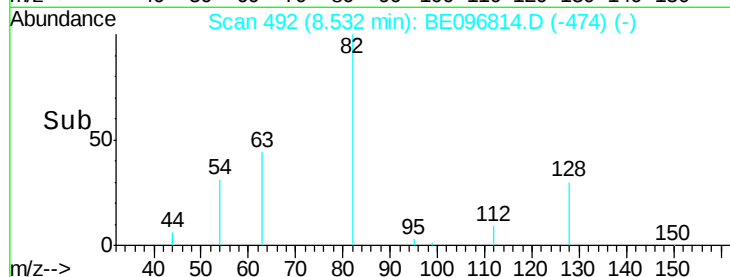
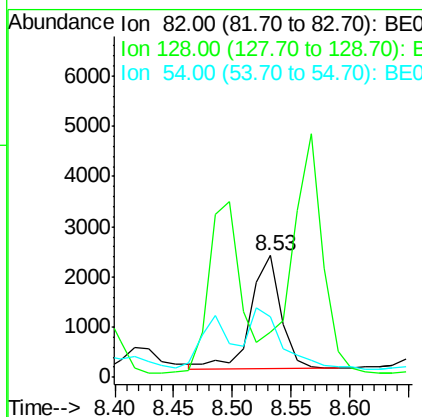
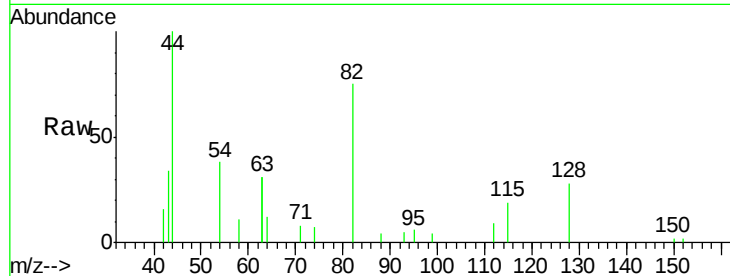




#8
 Nitrobenzene-d5
 Concen: 0.453 ng
 RT: 8.53 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BE096814.D
 Acq: 18 Jun 2018 18:33

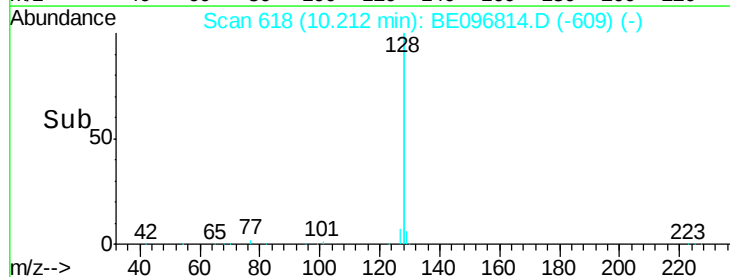
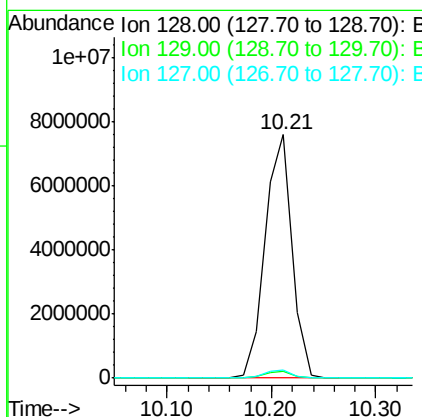
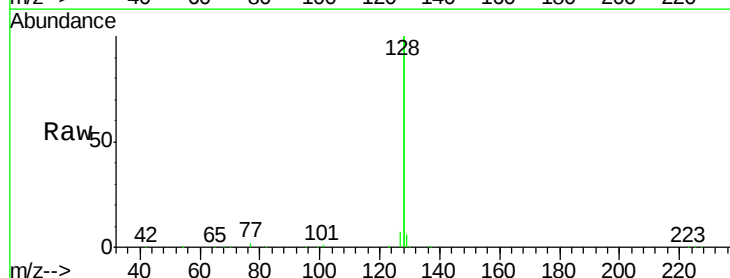
Instrument :
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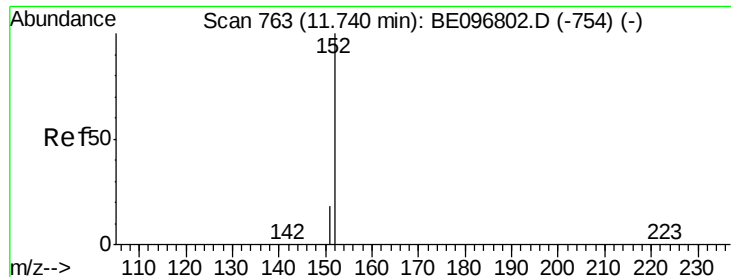
Tgt Ion: 82 Resp: 4113
 Ion Ratio Lower Upper
 82 100
 128 37.3 24.0 36.0#
 54 50.2 40.0 60.0



#9
 Naphthalene
 Concen: 84.615 ng
 RT: 10.21 min Scan# 618
 Delta R.T. 0.01 min
 Lab File: BE096814.D
 Acq: 18 Jun 2018 18:33

Tgt Ion: 128 Resp: 13572753
 Ion Ratio Lower Upper
 128 100
 129 3.0 2.6 3.8
 127 3.4 2.8 4.2

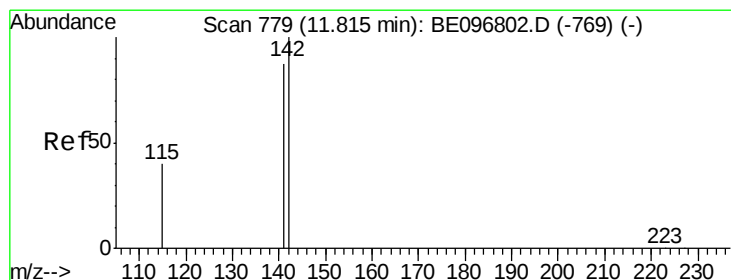
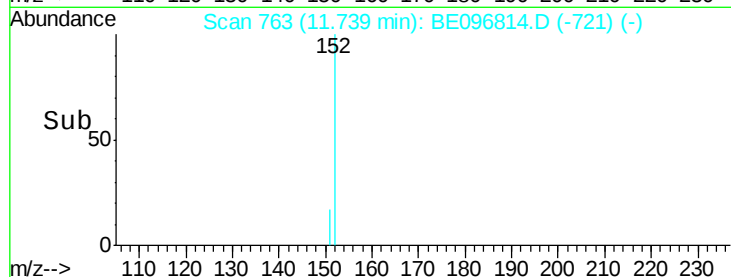
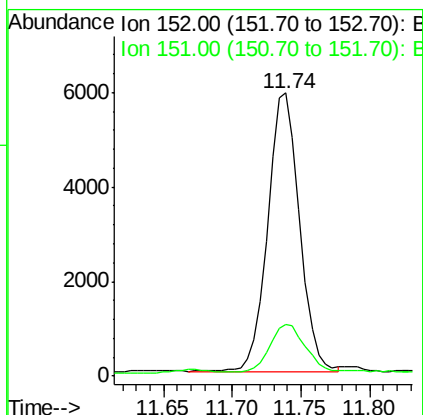
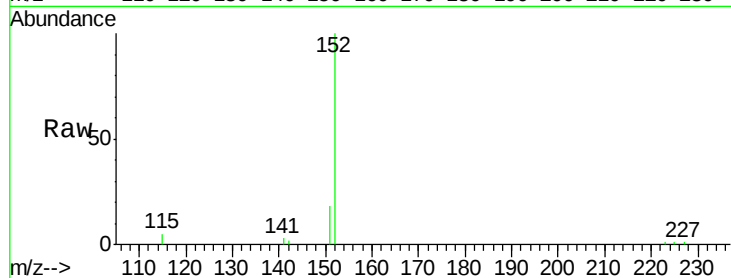




#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 11.74 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE096814.D
Acq: 18 Jun 2018 18:33

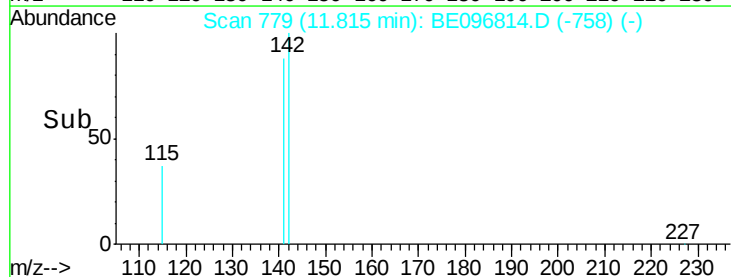
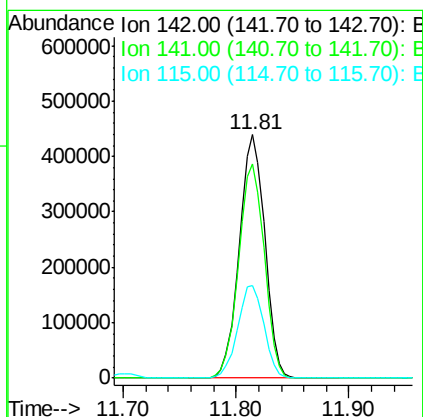
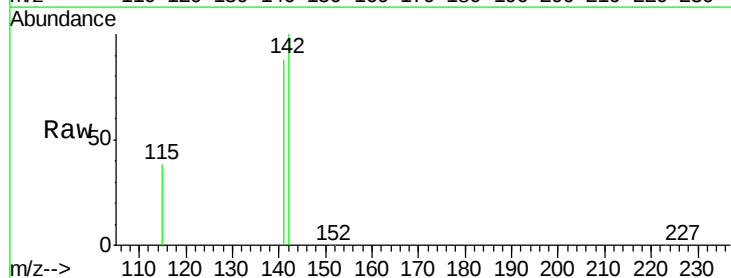
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BNA_E
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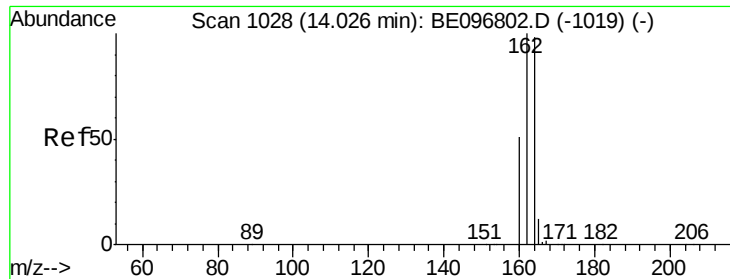
Tgt Ion:152 Resp: 9484
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.0



#12
2-Methylnaphthalene
Concen: 25.603 ng
RT: 11.81 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE096814.D
Acq: 18 Jun 2018 18:33

Tgt Ion:142 Resp: 688694
Ion Ratio Lower Upper
142 100
141 87.8 70.4 105.6
115 38.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

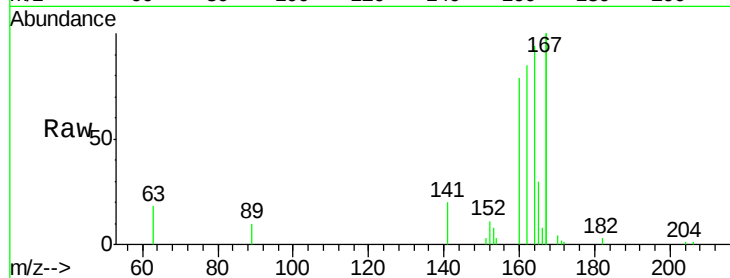
Tgt Ion:164 Resp: 10343

Ion Ratio Lower Upper

164 100

162 90.5 83.1 124.7

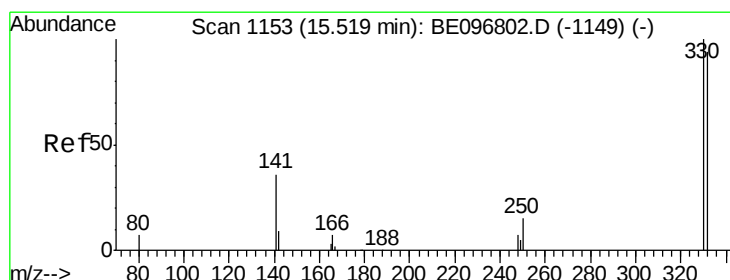
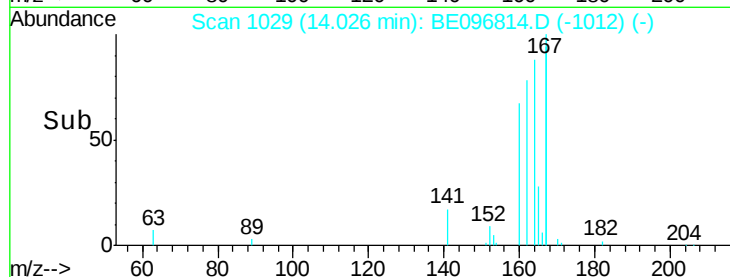
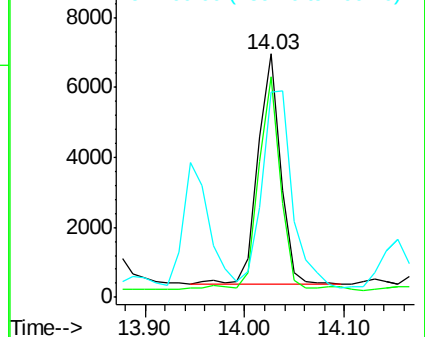
160 84.0 37.1 55.7#



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: 0.658 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

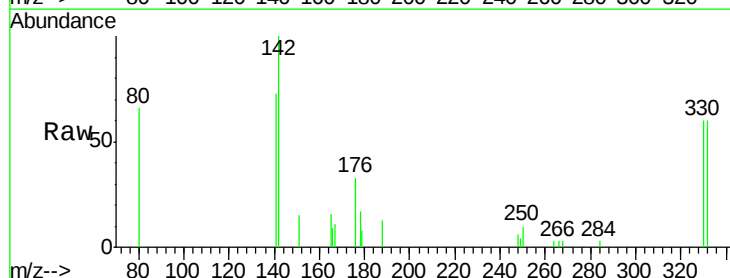
Tgt Ion:330 Resp: 1583

Ion Ratio Lower Upper

330 100

332 99.8 152.7 229.1#

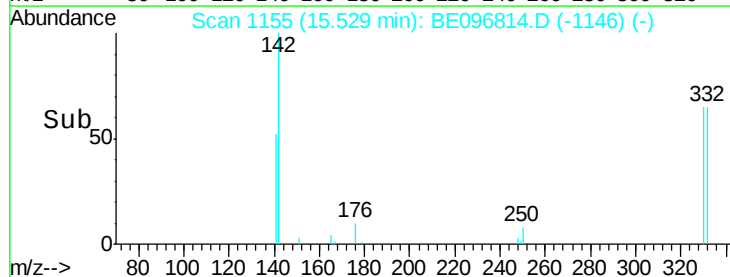
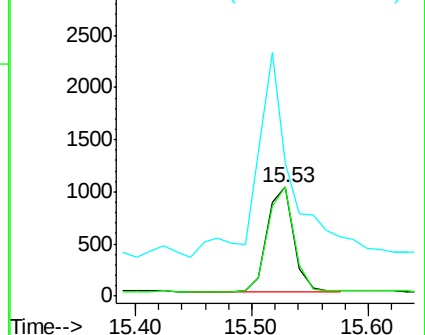
141 251.4 33.7 50.5#

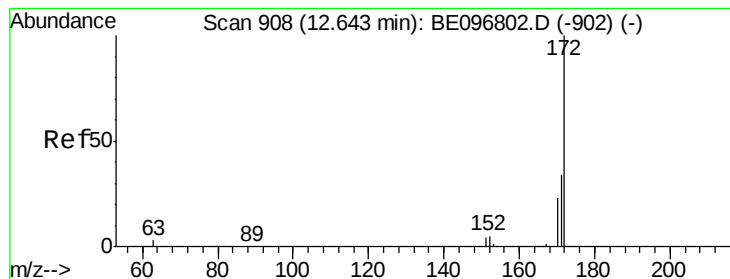


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.508 ng

RT: 12.64 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

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ClientSampleId :

PR-MW-05-061118

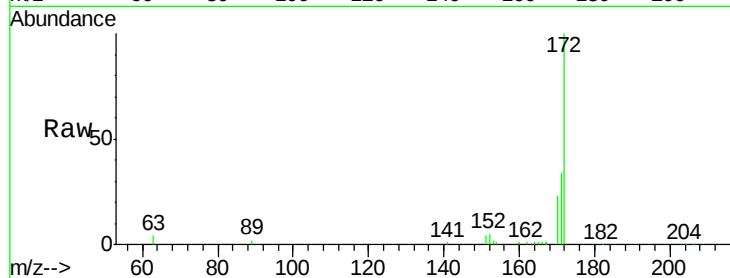
Tgt Ion:172 Resp: 21612

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

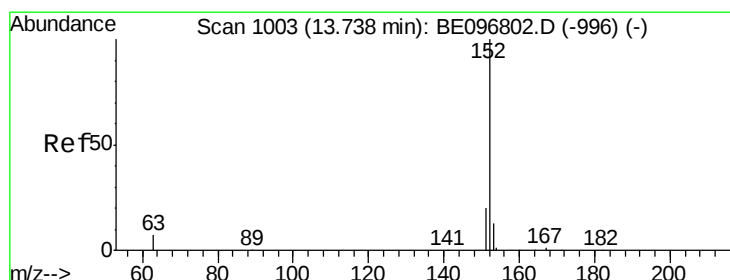
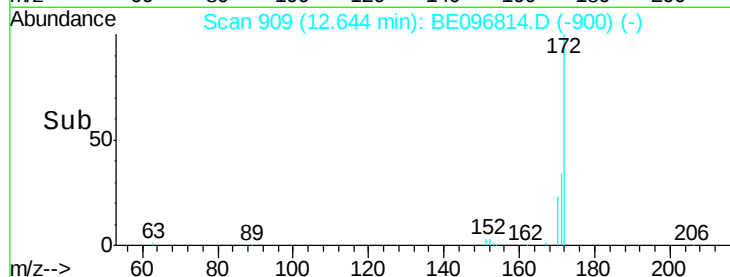
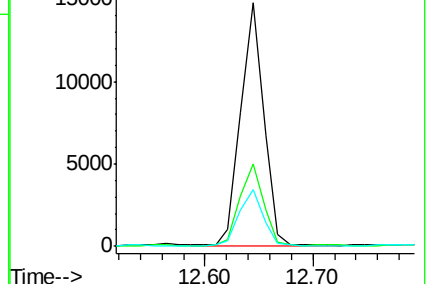
170 23.1 21.8 32.8



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: 0.049 ng

RT: 13.75 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

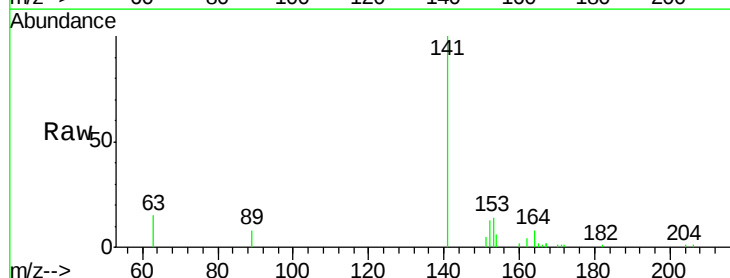
Tgt Ion:152 Resp: 2372

Ion Ratio Lower Upper

152 100

151 40.9 15.7 23.5#

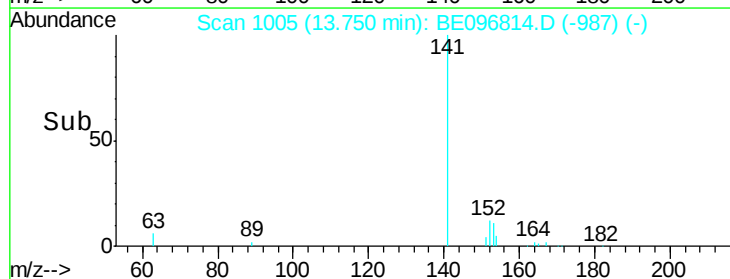
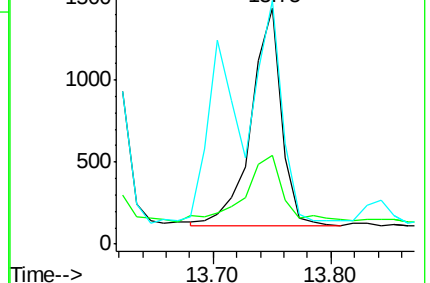
153 81.7 10.5 15.7#

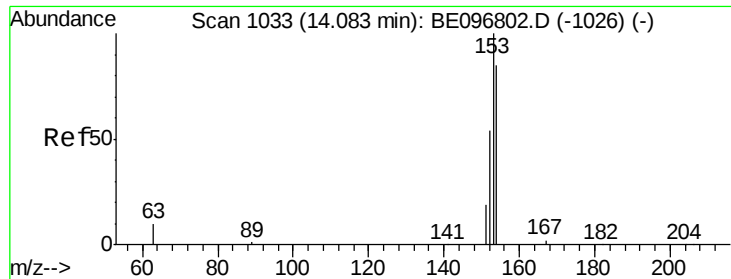


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.087 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

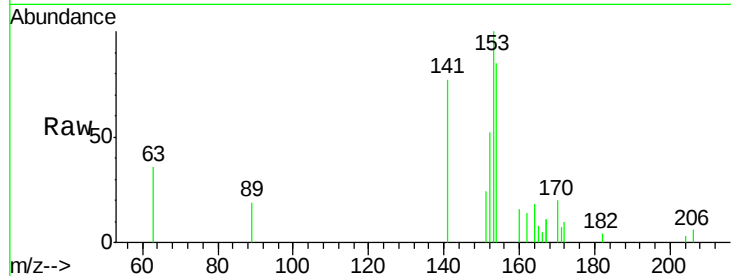
Tgt Ion:154 Resp: 2866

Ion Ratio Lower Upper

154 100

153 142.0 89.2 133.8#

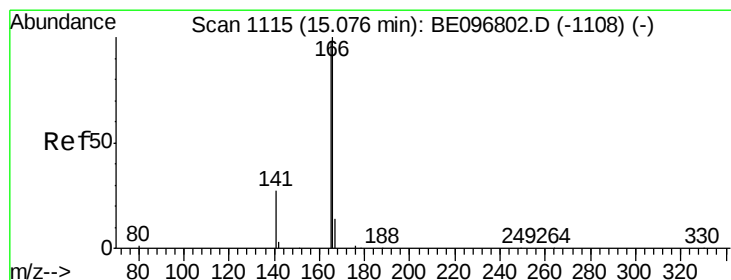
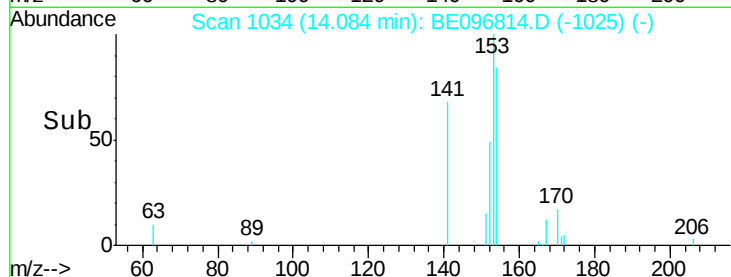
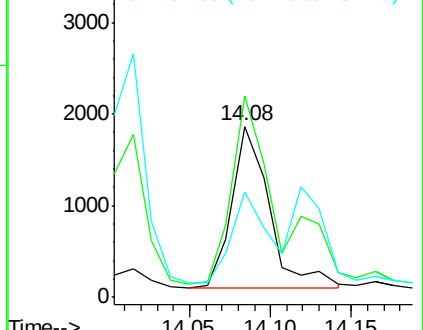
152 53.9 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.206 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

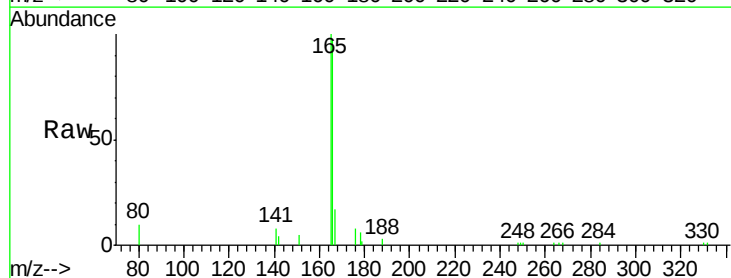
Tgt Ion:166 Resp: 7981

Ion Ratio Lower Upper

166 100

165 96.3 77.8 116.6

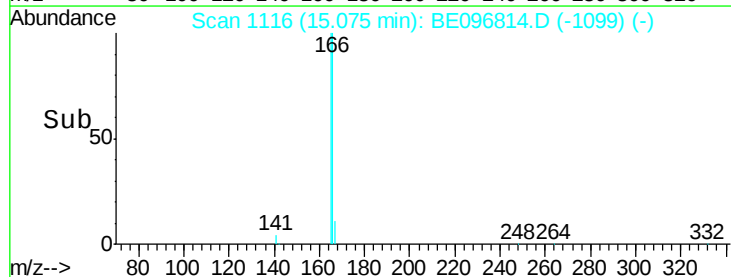
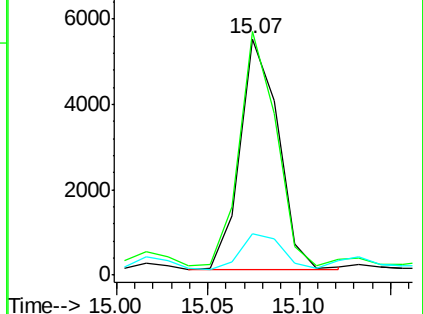
167 16.2 42.4 63.6#

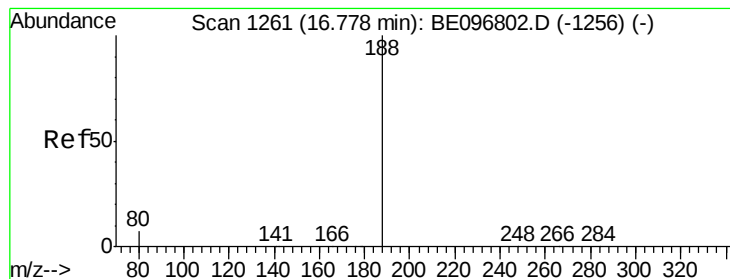


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

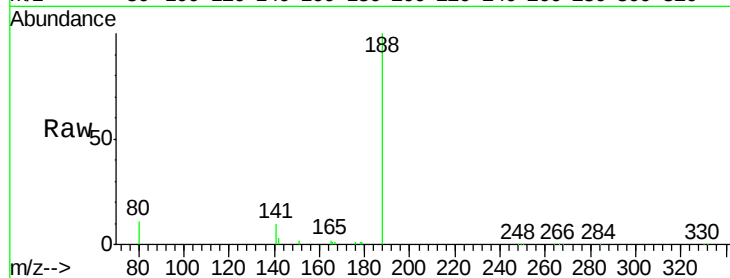
Tgt Ion:188 Resp: 23443

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

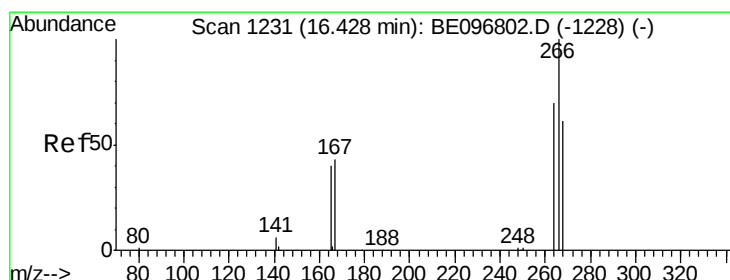
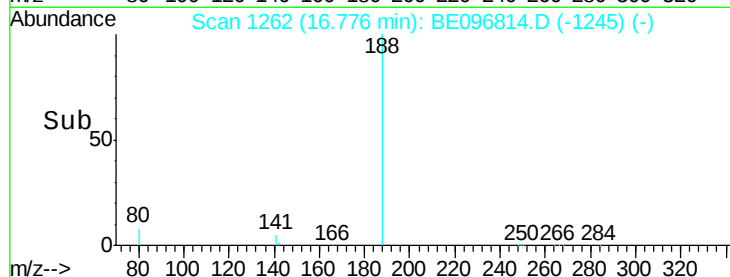
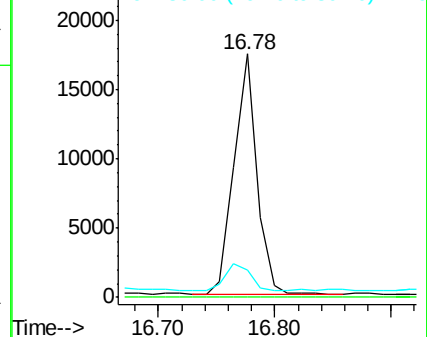
80 11.2 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.138 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

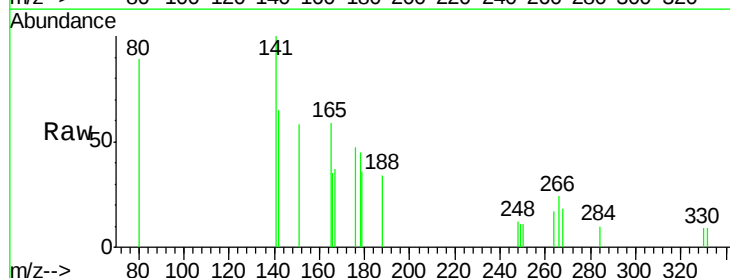
Tgt Ion:266 Resp: 130

Ion Ratio Lower Upper

266 100

264 73.6 72.5 108.7

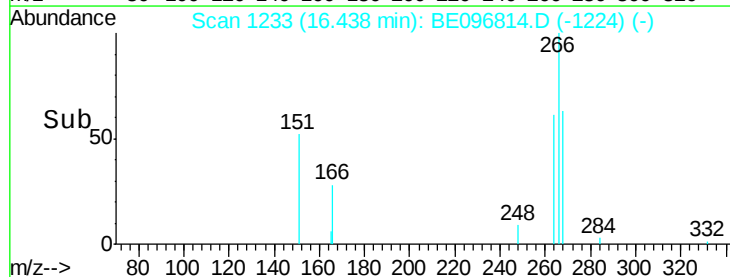
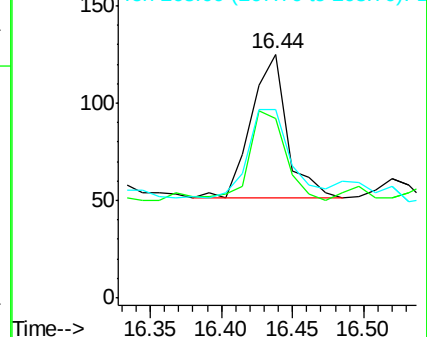
268 77.6 73.8 110.6

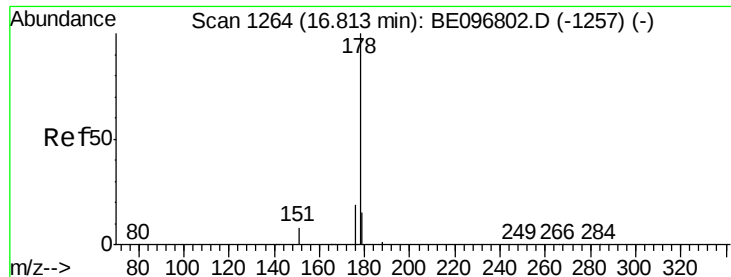


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.057 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

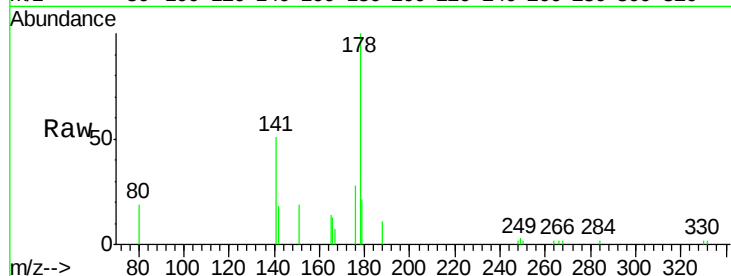
Tgt Ion:178 Resp: 3629

Ion Ratio Lower Upper

178 100

176 24.4 15.1 22.7#

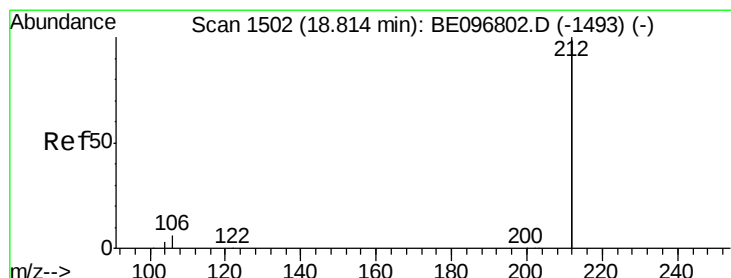
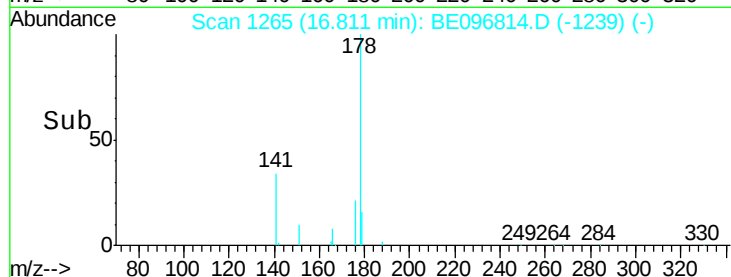
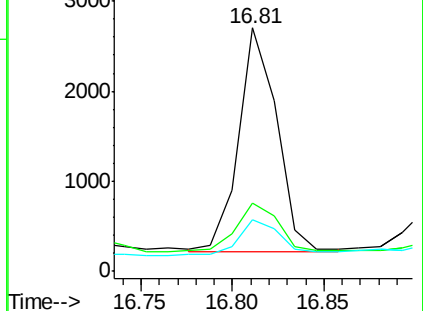
179 20.0 11.8 17.6#



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



#25

Fluoranthene-d10

Concen: 0.467 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

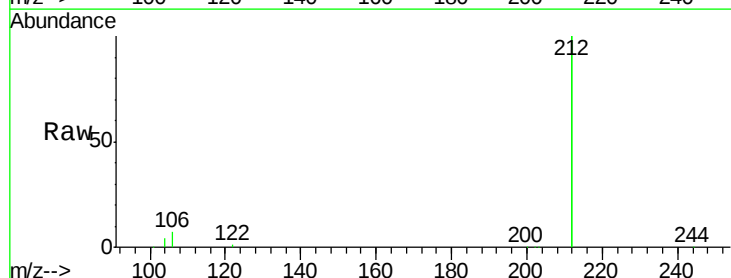
Tgt Ion:212 Resp: 107118

Ion Ratio Lower Upper

212 100

106 3.8 2.8 4.2

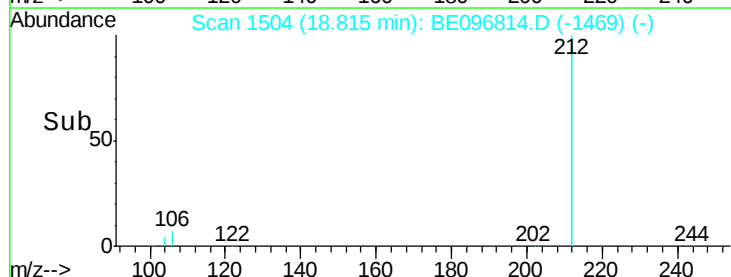
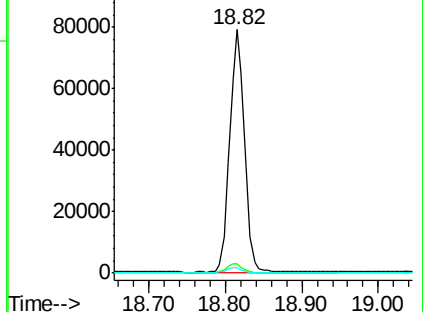
104 2.0 1.6 2.4

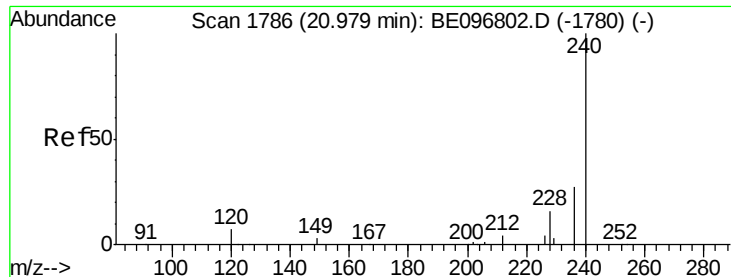


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

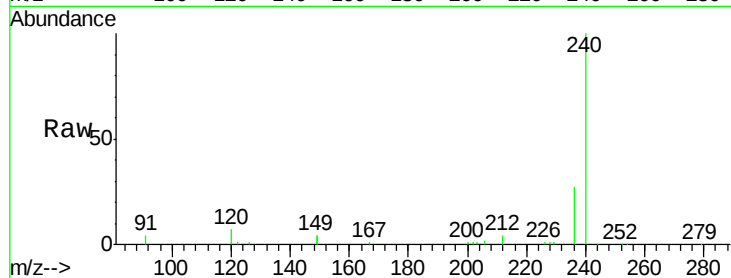
Tgt Ion:240 Resp: 24234

Ion Ratio Lower Upper

240 100

120 7.4 5.5 8.3

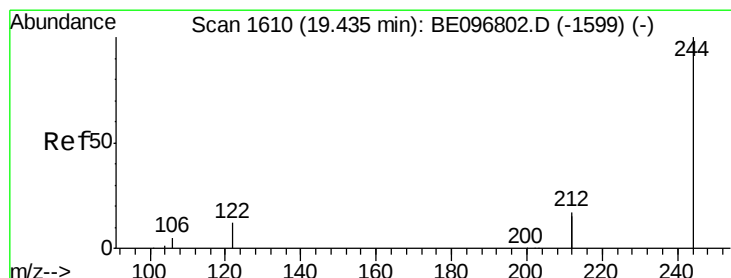
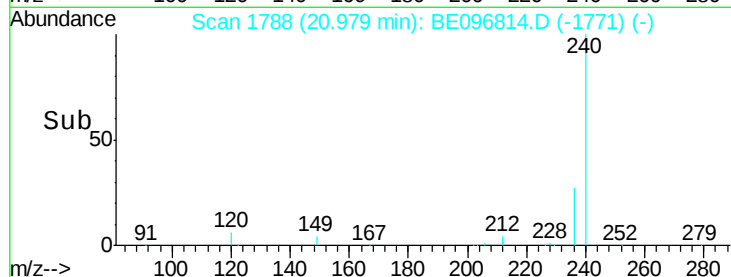
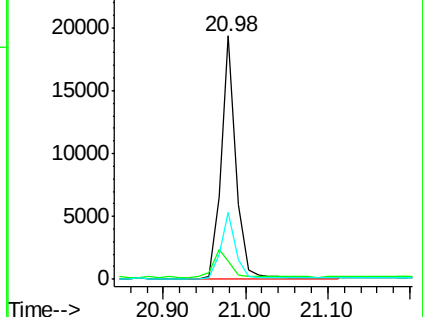
236 27.3 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.547 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

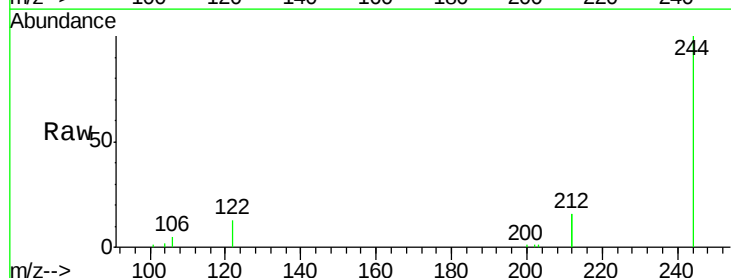
Tgt Ion:244 Resp: 30042

Ion Ratio Lower Upper

244 100

212 31.8 25.4 38.0

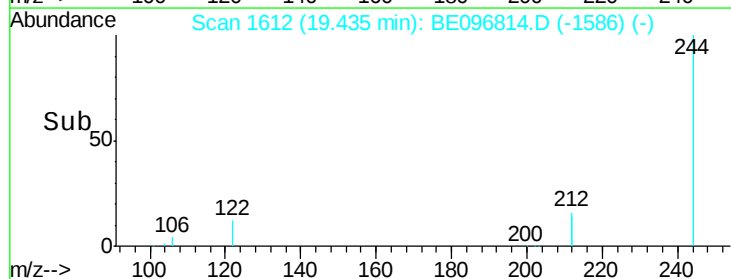
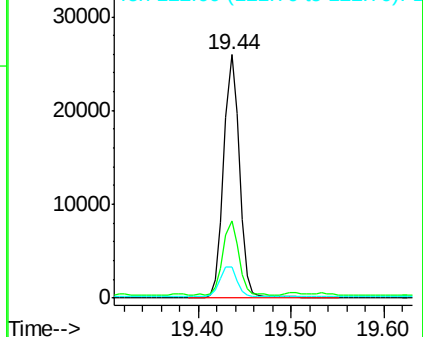
122 12.6 8.1 12.1#

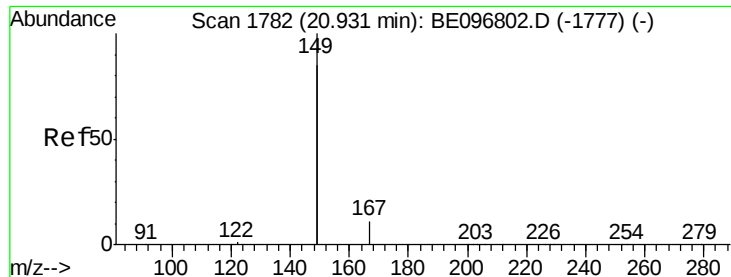


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.298 ng

RT: 20.93 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118

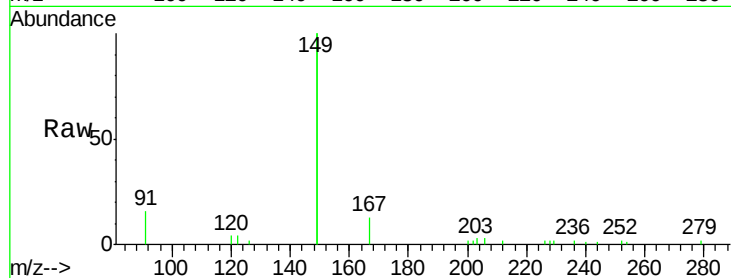
Tgt Ion:149 Resp: 13172

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

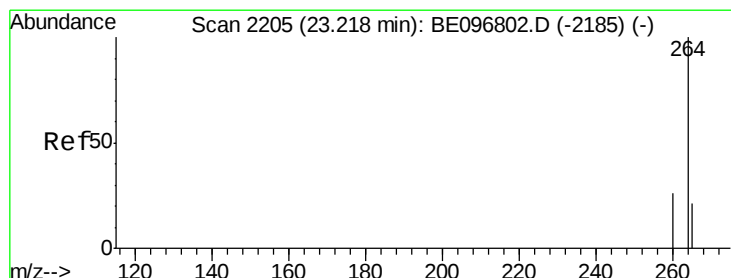
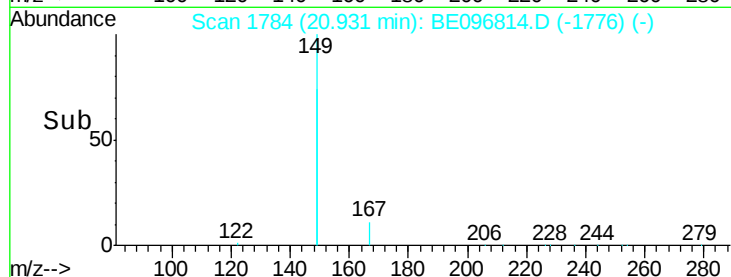
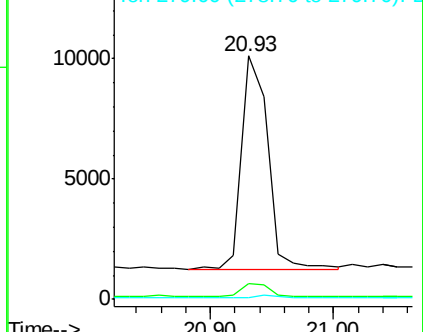
279 0.9 0.7 1.1



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE096814.D

Acq: 18 Jun 2018 18:33

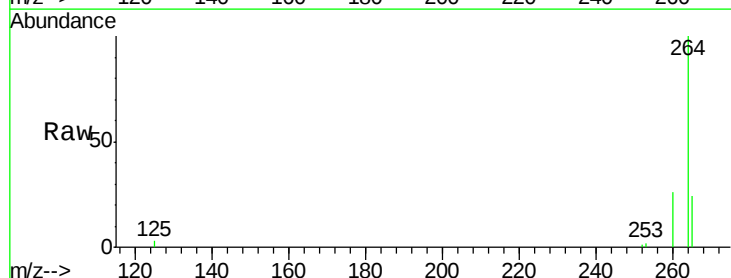
Tgt Ion:264 Resp: 21376

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

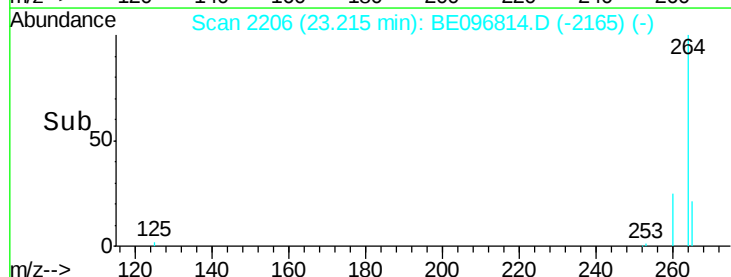
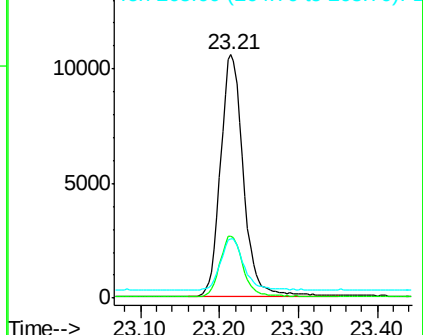
265 24.2 22.8 34.2

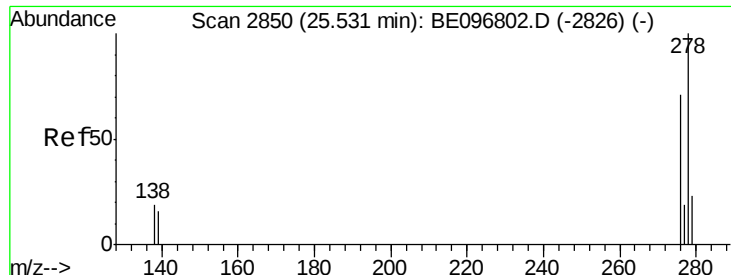


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE096814.D

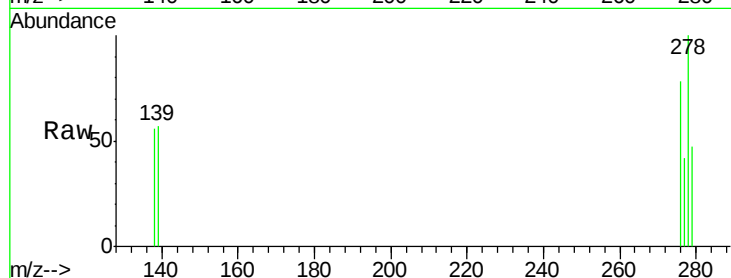
Acq: 18 Jun 2018 18:33

Instrument :

BNA_E

ClientSampleId :

PR-MW-05-061118



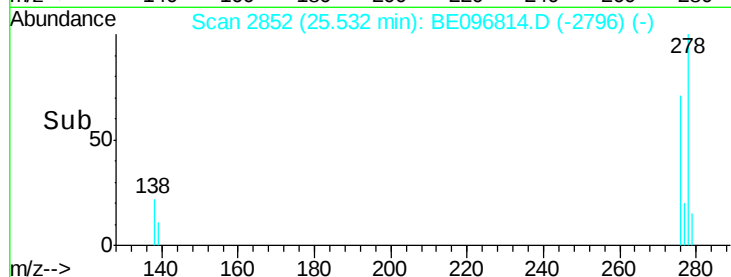
Tgt Ion: 278 Resp: 506

Ion Ratio Lower Upper

278 100

139 57.0 16.0 24.0#

279 46.5 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

