

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095726.D
 Acq On : 12 Mar 2018 12:38
 Operator : SJ/JU
 Sample : J1867-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CPS113071

Quant Time: Mar 12 14:33:57 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1483	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	6005	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3606	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7809	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7702	0.40	ng	0.00
34) Perylene-d12	24.42	264	7333	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	678	0.17	ng	0.00
5) Phenol-d6	7.56	99	597	0.11	ng	0.00
8) Nitrobenzene-d5	9.61	82	2242	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3760	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	733	0.54	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	7157	0.44	ng	0.00
25) Fluoranthene-d10	19.69	212	39732	0.39	ng	0.00
29) Terphenyl-d14	20.24	244	7951	0.52	ng	-0.01

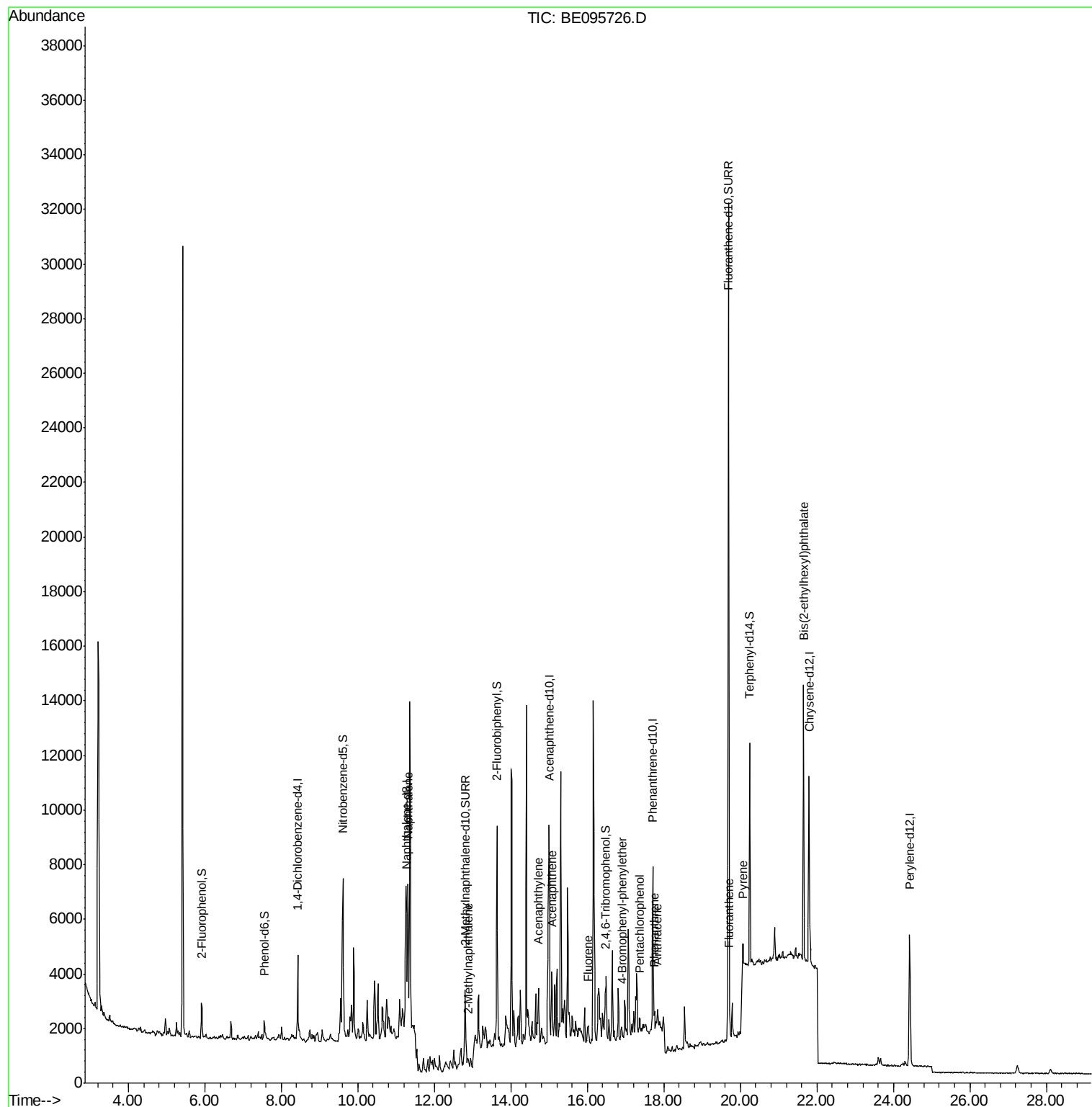
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.31	128	6298	0.091	ng	# 65
12) 2-Methylnaphthalene	12.88	142	249	0.021	ng	# 29
16) Acenaphthylene	14.72	152	636	0.031	ng	# 43
17) Acenaphthene	15.07	154	332	0.026	ng	# 61
18) Fluorene	16.03	166	494	0.031	ng	# 65
20) 4-Bromophenyl-phenylether	16.90	248	118	0.024	ng	# 19
22) Pentachlorophenol	17.36	266	170	0.270	ng	# 90
23) Phenanthrene	17.75	178	994	0.041	ng	# 92
24) Anthracene	17.84	178	1081	0.048	ng	# 78
26) Fluoranthene	19.72	202	1076	0.036	ng	# 96
28) Pyrene	20.06	202	1037	0.033	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.66	149	12388	0.279	ng	# 99

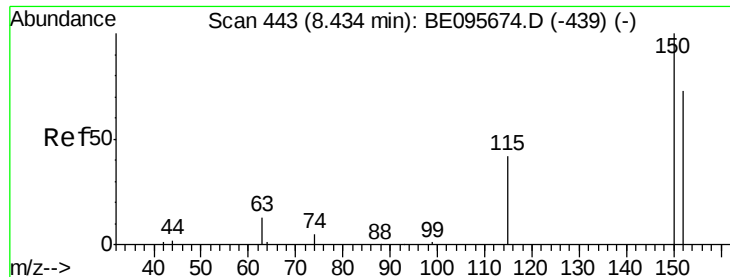
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 569

Delta R.T. -0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

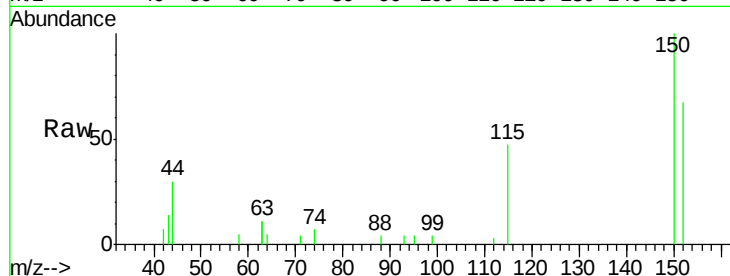
Tot Ion:152 Resp: 1483

Ion Ratio Lower Upper

152 100

150 149.6 117.2 175.8

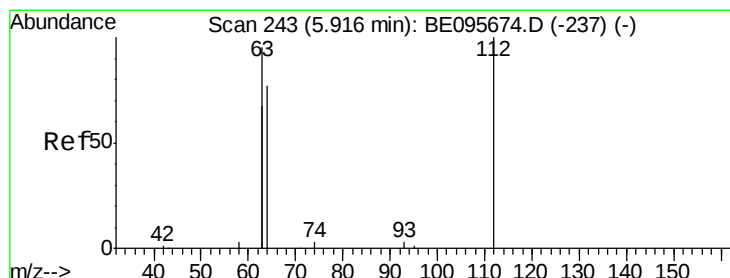
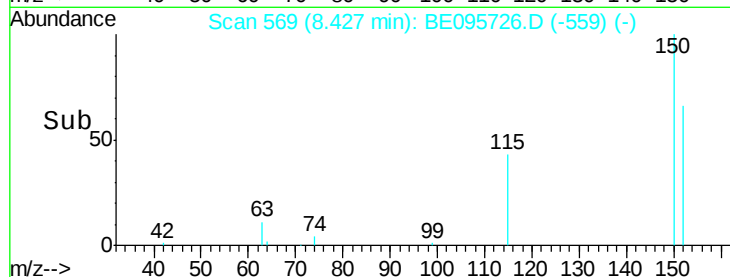
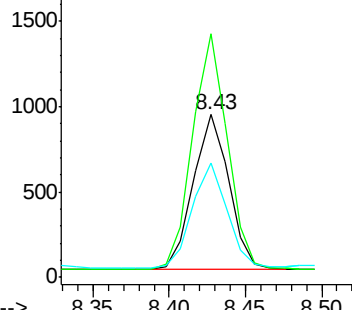
115 70.1 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.173 ng

RT: 5.92 min Scan# 313

Delta R.T. 0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

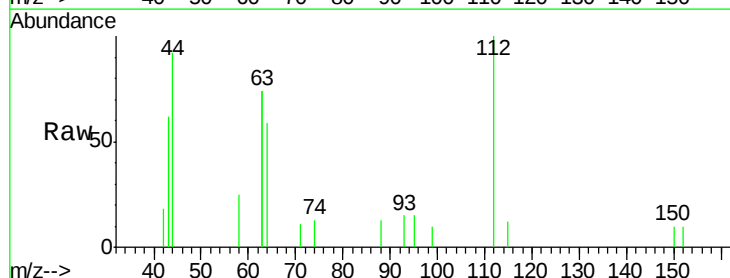
Tgt Ion:112 Resp: 678

Ion Ratio Lower Upper

112 100

64 72.9 60.1 90.1

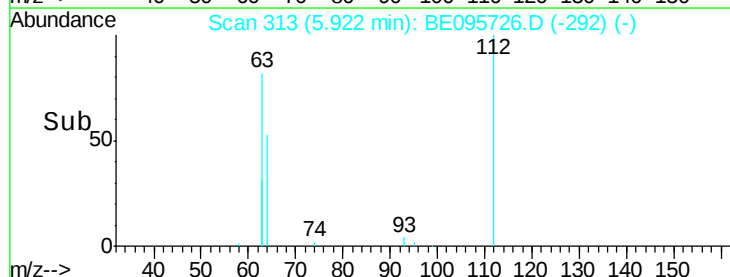
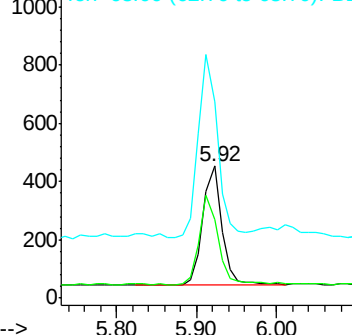
63 153.8 116.8 175.2

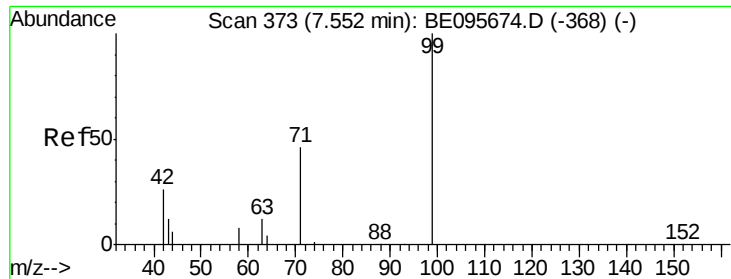


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.110 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

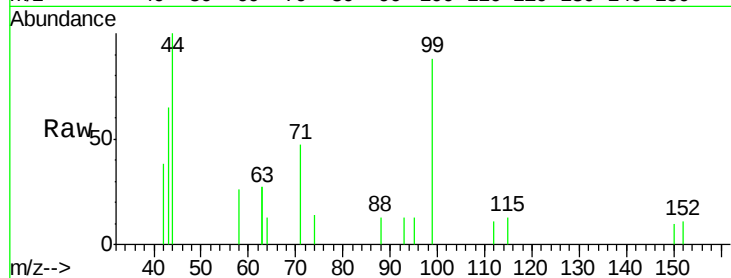
Tot Ion: 99 Resp: 597

Ion Ratio Lower Upper

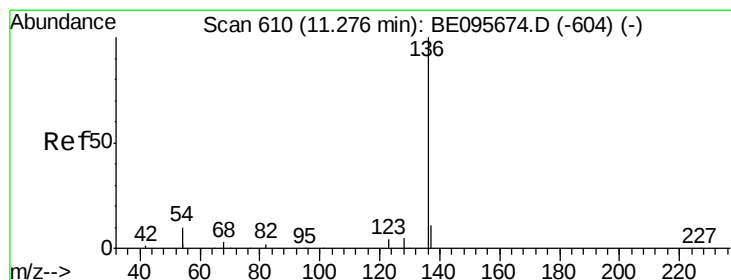
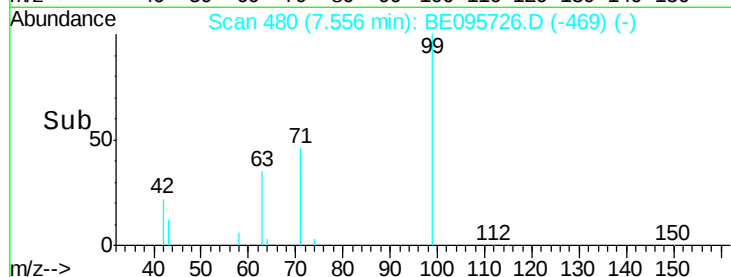
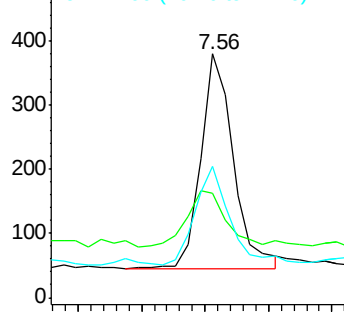
99 100

42 31.3 20.2 30.2#

71 46.9 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Tgt Ion: 136 Resp: 6005

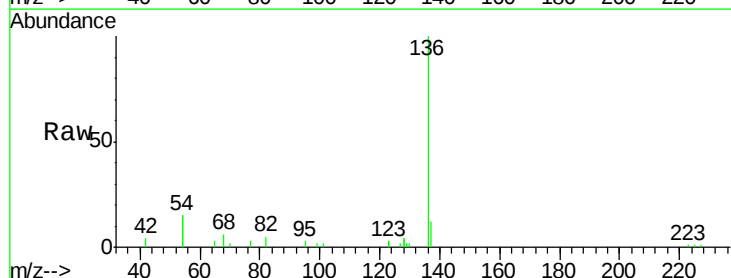
Ion Ratio Lower Upper

136 100

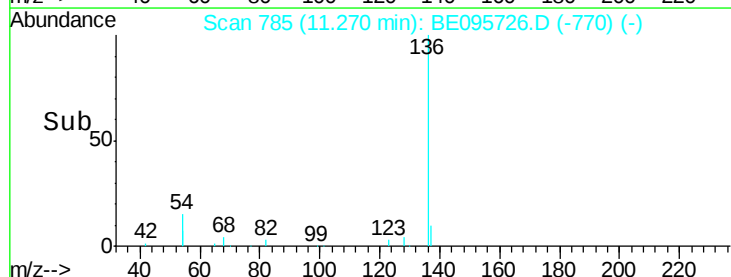
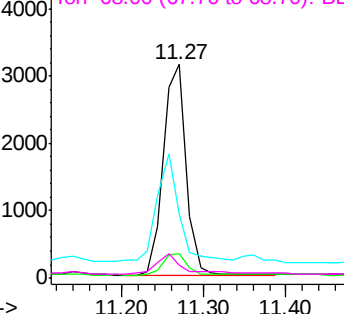
137 11.6 9.5 14.3

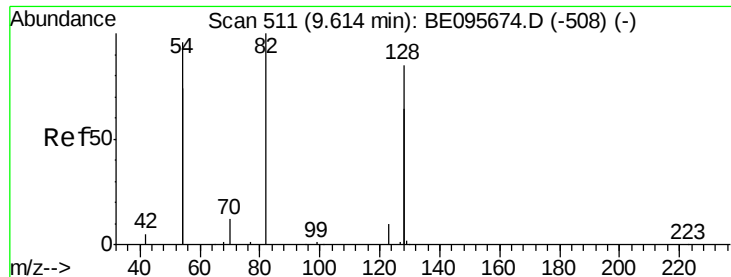
54 29.8 29.1 43.7

68 6.1 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: 0.362 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

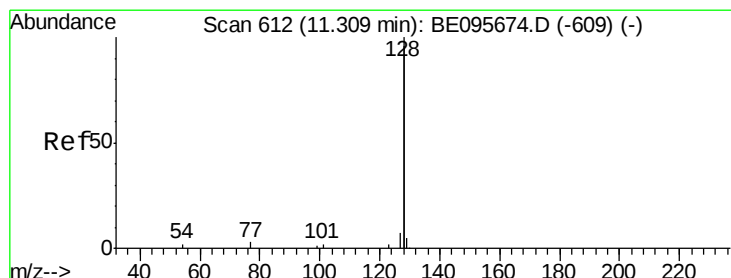
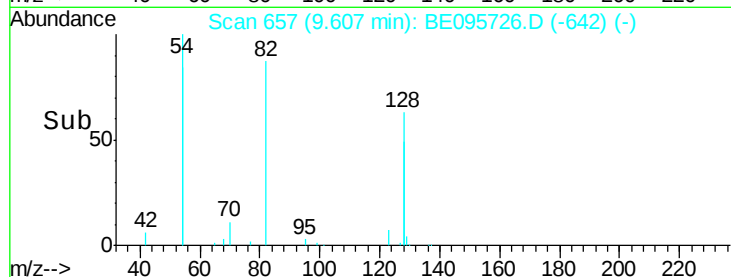
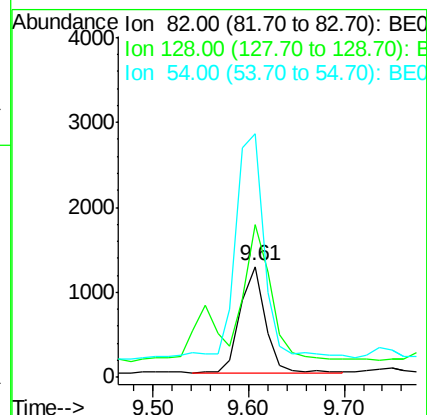
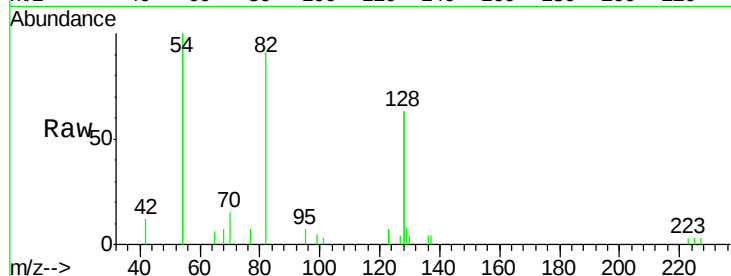
Tot Ion: 82 Resp: 2242

Ion Ratio Lower Upper

82 100

128 138.5 150.0 225.0#

54 220.3 154.2 231.4



#9

Naphthalene

Concen: 0.091 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

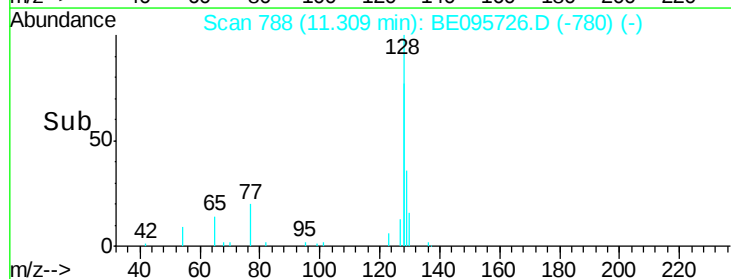
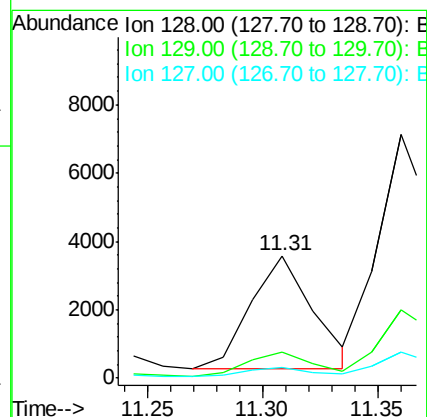
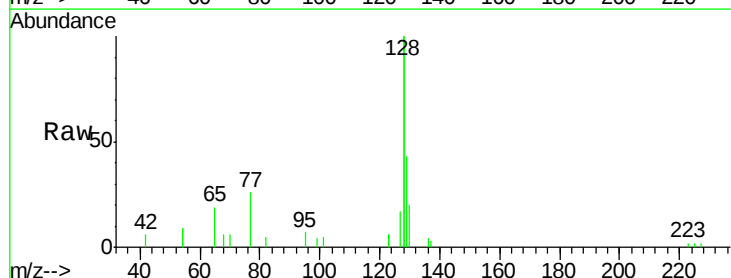
Tgt Ion: 128 Resp: 6298

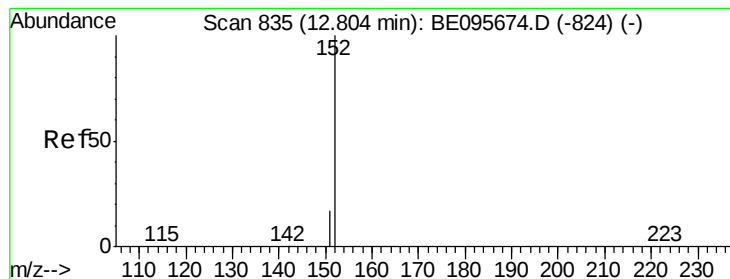
Ion Ratio Lower Upper

128 100

129 21.7 2.6 3.8#

127 8.5 2.8 4.2#

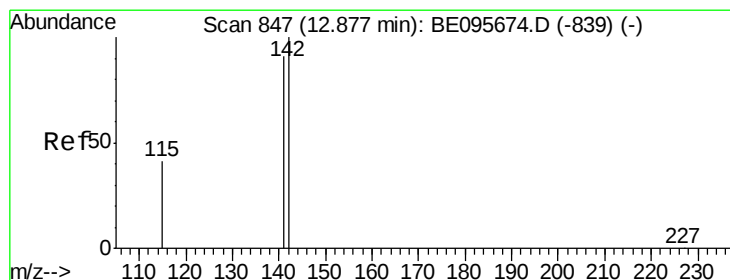
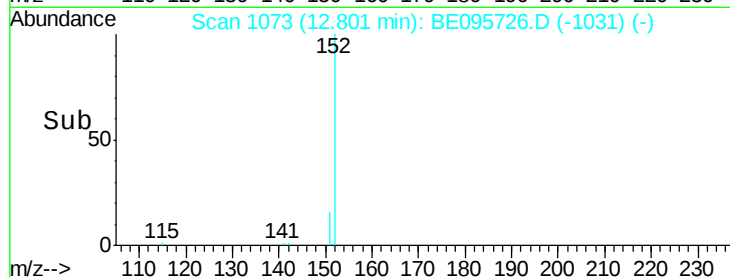
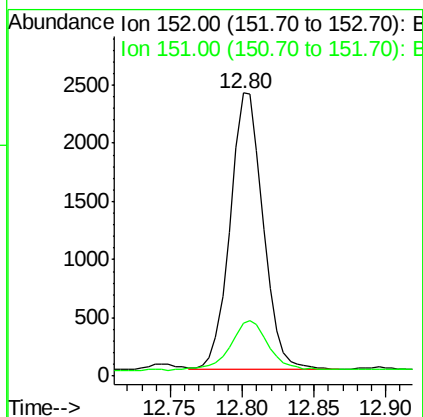
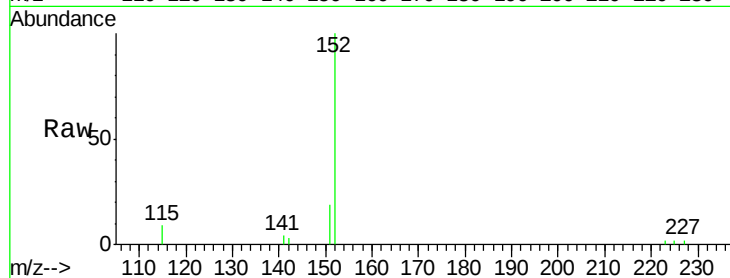




#11
 2-Methylnaphthalene-d10
 Concen: 0.375 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE095726.D
 Acq: 12 Mar 2018 12:38

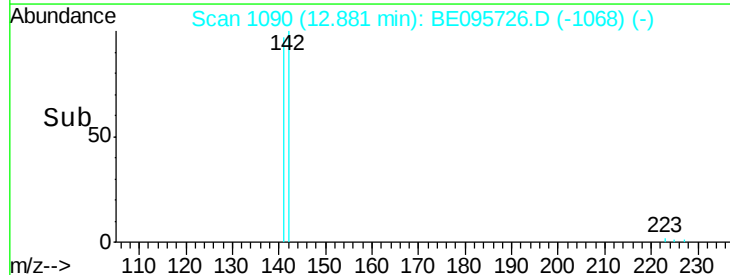
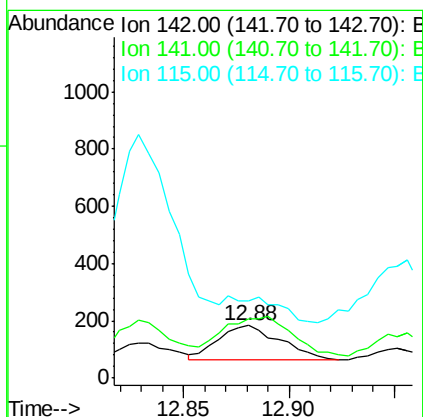
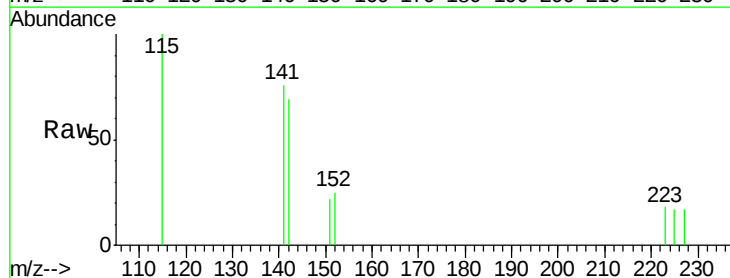
Instrument :
 BNA_E
 ClientSampleId :
 CPS113071

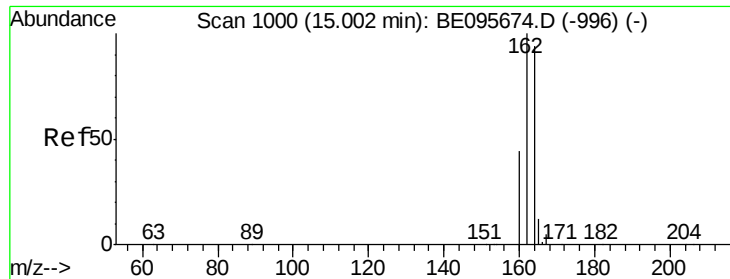
Tot Ion:152 Resp: 3760
 Ion Ratio Lower Upper
 152 100
 151 20.6 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.021 ng
 RT: 12.88 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BE095726.D
 Acq: 12 Mar 2018 12:38

Tgt Ion:142 Resp: 249
 Ion Ratio Lower Upper
 142 100
 141 111.4 70.4 105.6#
 115 145.7 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

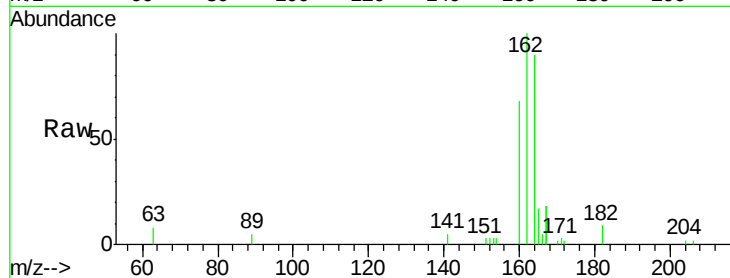
Tot Ion:164 Resp: 3606

Ion Ratio Lower Upper

164 100

162 110.8 83.1 124.7

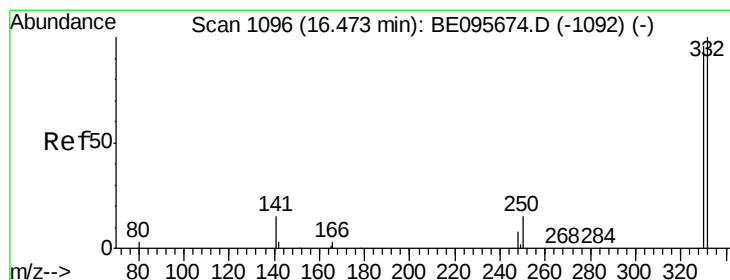
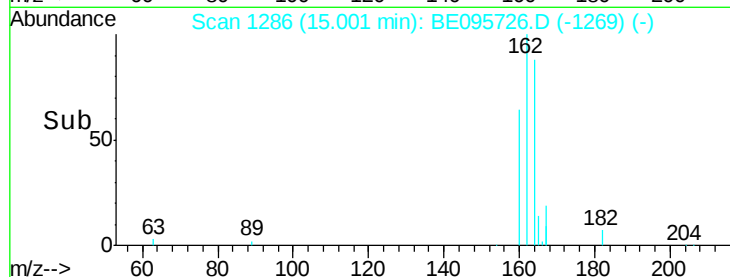
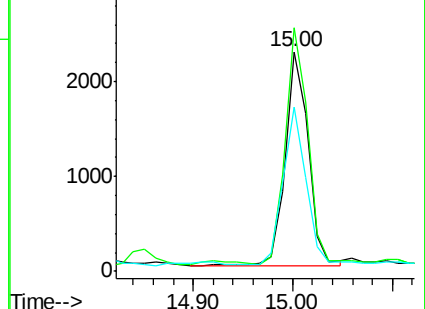
160 74.9 37.1 55.7#



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: 0.540 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

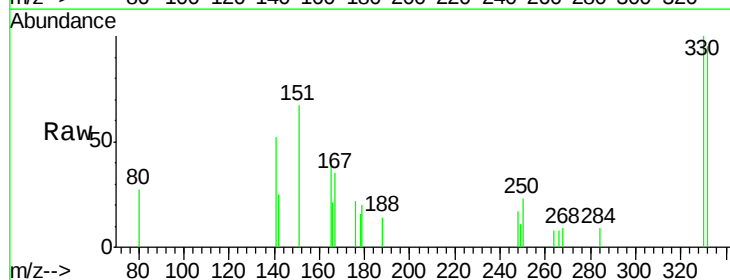
Tgt Ion:330 Resp: 733

Ion Ratio Lower Upper

330 100

332 97.5 152.7 229.1#

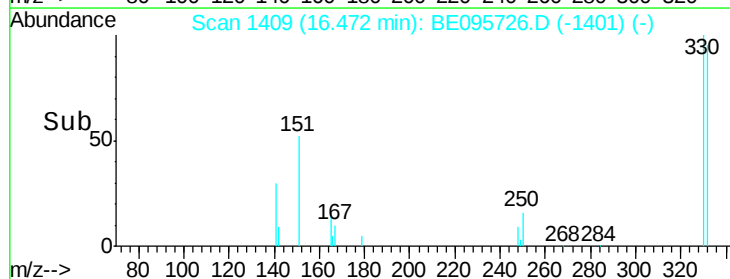
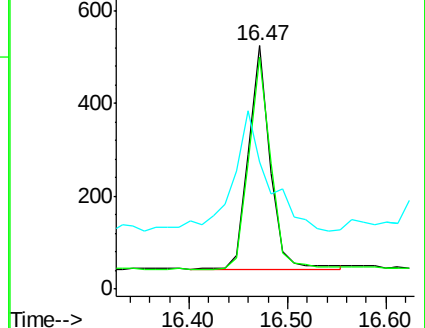
141 86.6 33.7 50.5#

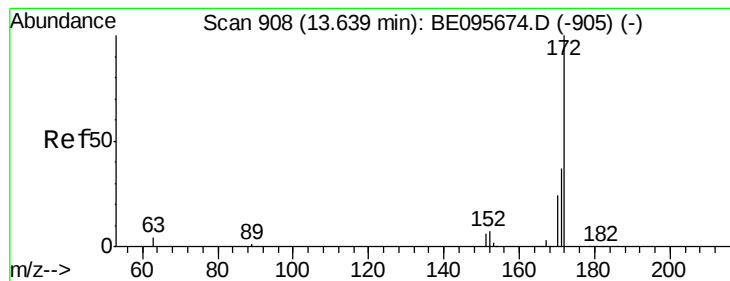


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.444 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095726.D

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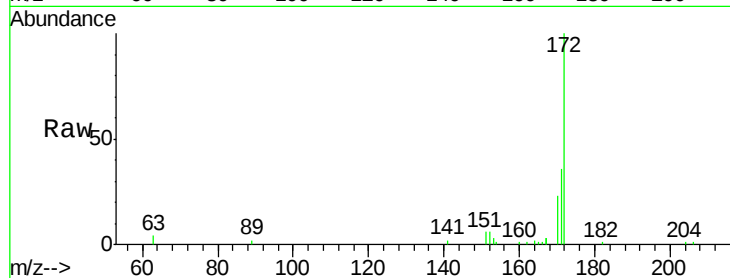
Tot Ion:172 Resp: 7157

Ion Ratio Lower Upper

172 100

171 36.5 29.9 44.9

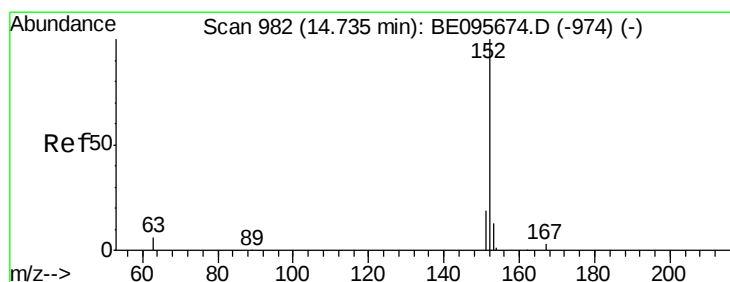
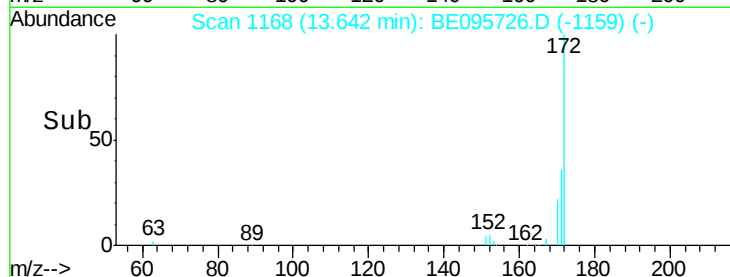
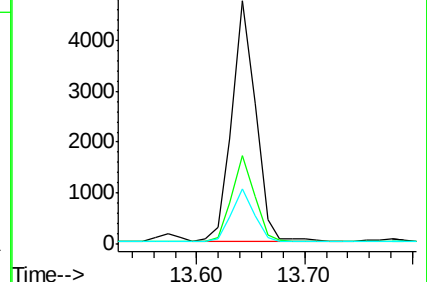
170 22.8 21.8 32.8



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: 0.031 ng

RT: 14.72 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

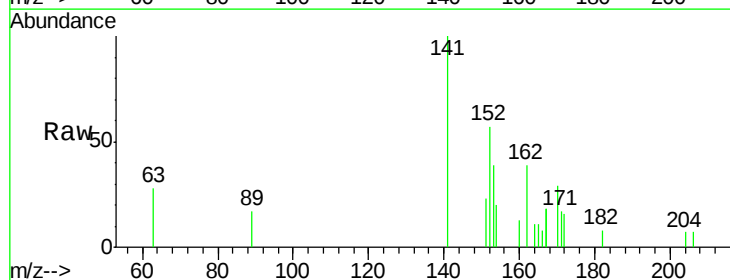
Tgt Ion:152 Resp: 636

Ion Ratio Lower Upper

152 100

151 30.7 15.7 23.5#

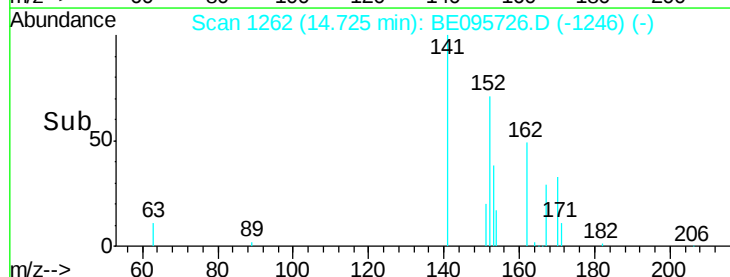
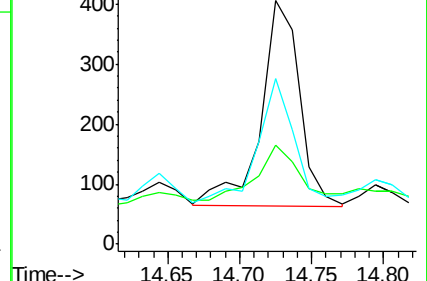
153 55.5 10.5 15.7#

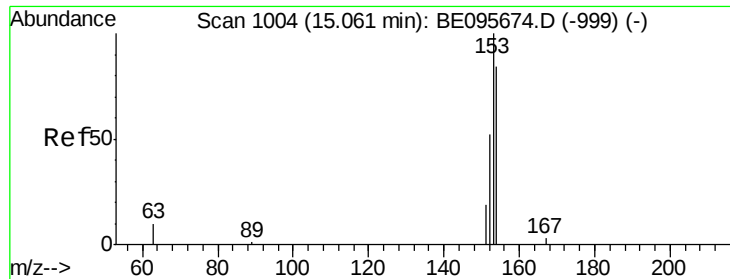


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.026 ng

RT: 15.07 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

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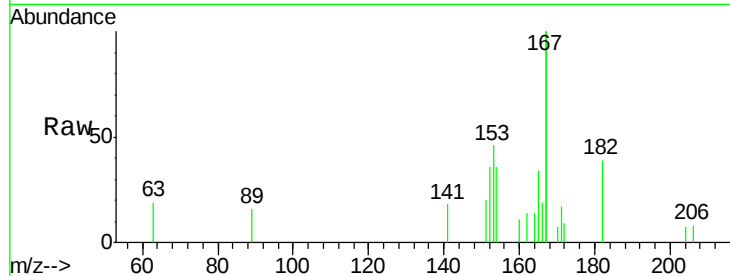
Tot Ion:154 Resp: 332

Ion Ratio Lower Upper

154 100

153 131.6 89.2 133.8

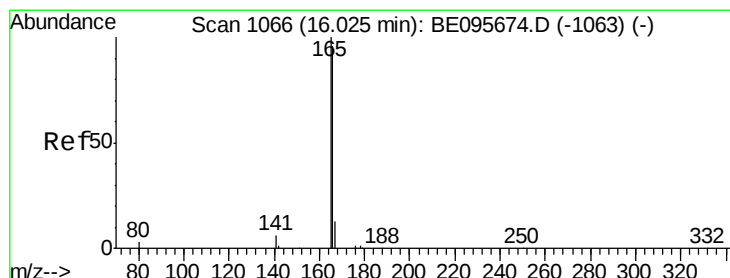
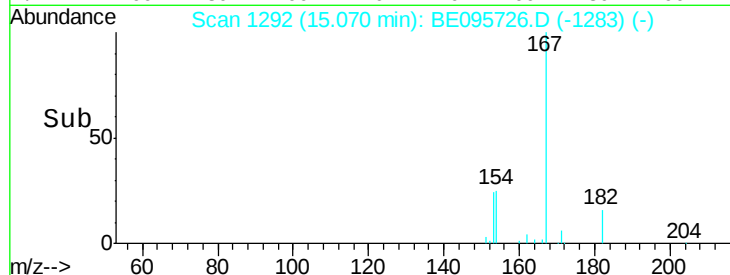
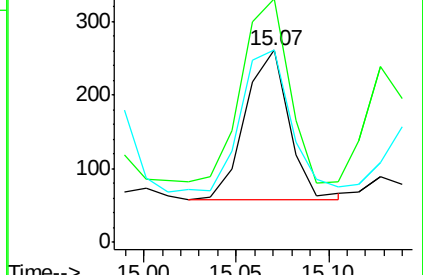
152 109.3 42.0 63.0#



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: 0.031 ng

RT: 16.03 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

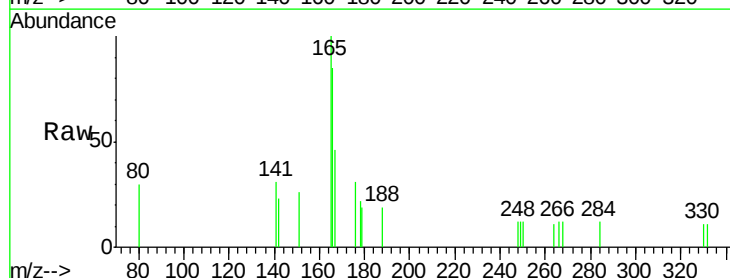
Tgt Ion:166 Resp: 494

Ion Ratio Lower Upper

166 100

165 110.5 77.8 116.6

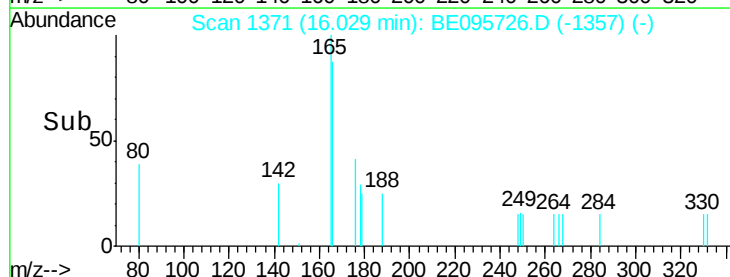
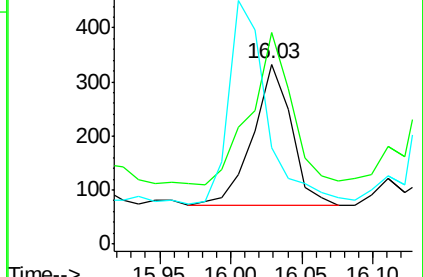
167 0.0 42.4 63.6#

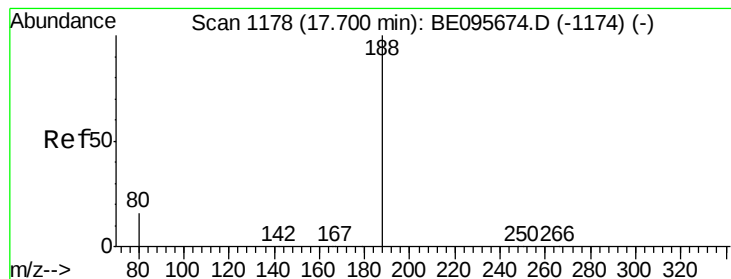


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

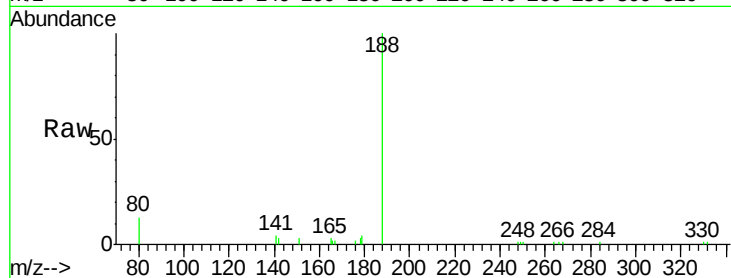
Tot Ion:188 Resp: 7809

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

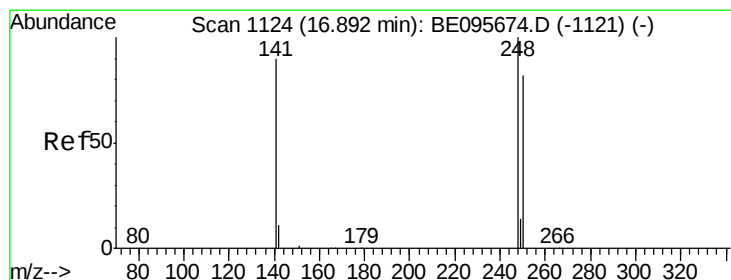
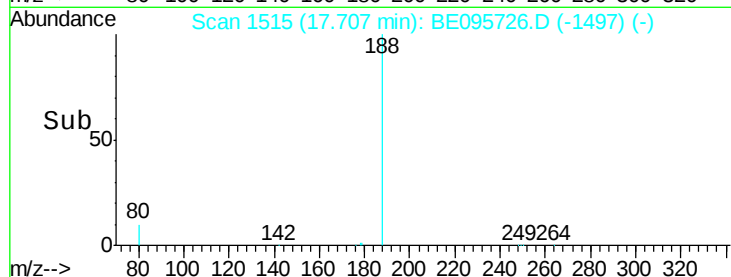
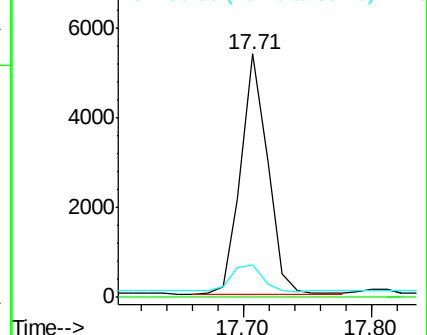
80 13.2 3.6 5.4#



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: 0.024 ng

RT: 16.90 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

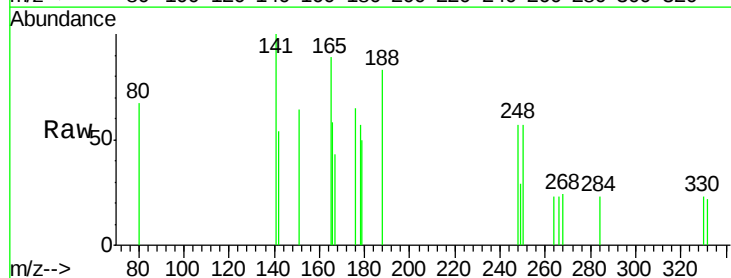
Tgt Ion:248 Resp: 118

Ion Ratio Lower Upper

248 100

250 100.9 62.7 94.1#

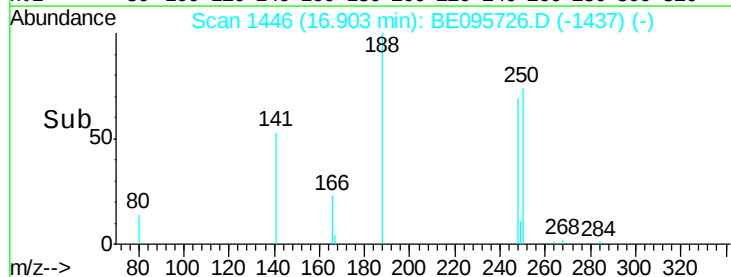
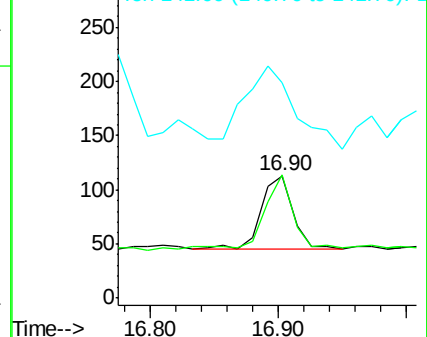
141 176.1 48.2 72.2#

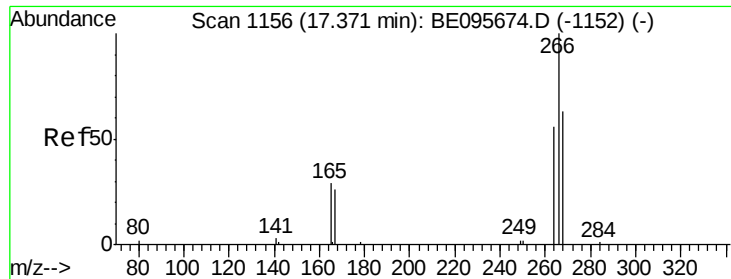


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.270 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

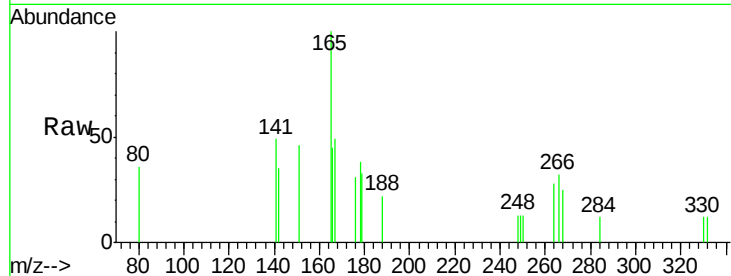
Tot Ion:266 Resp: 170

Ion Ratio Lower Upper

266 100

264 85.8 72.5 108.7

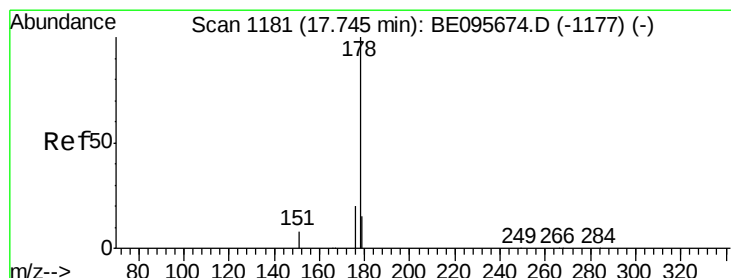
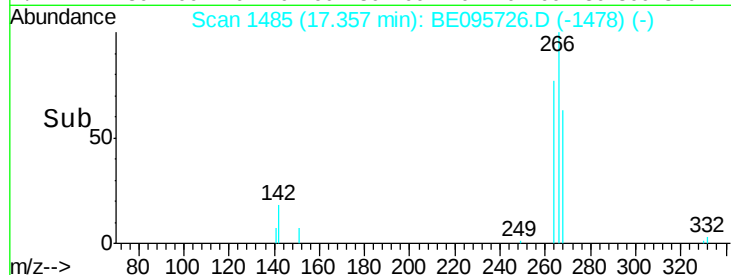
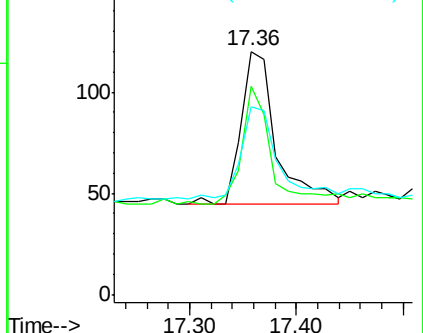
268 77.5 73.8 110.6



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: 0.041 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

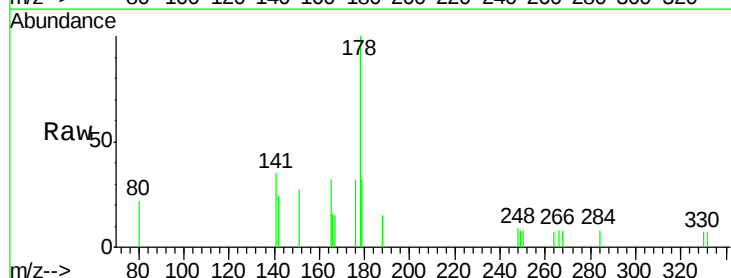
Tgt Ion:178 Resp: 994

Ion Ratio Lower Upper

178 100

176 16.5 15.1 22.7

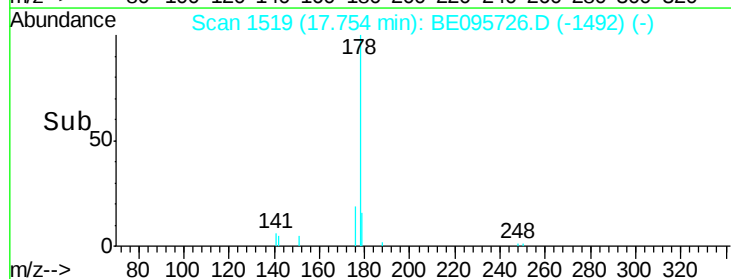
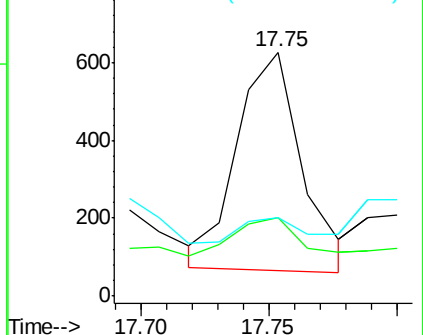
179 9.8 11.8 17.6#

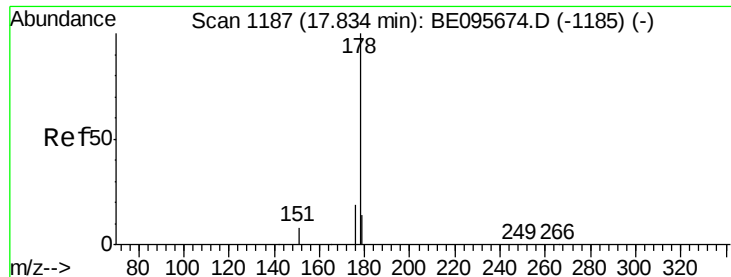


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.048 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

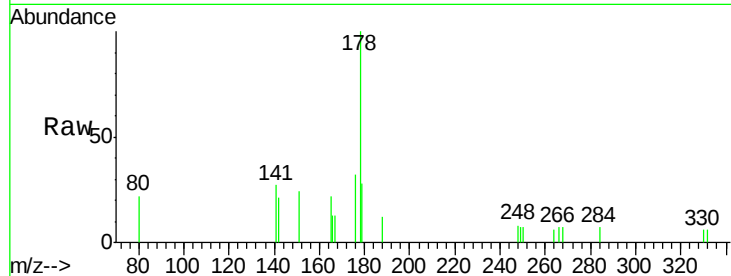
Tot Ion:178 Resp: 1081

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

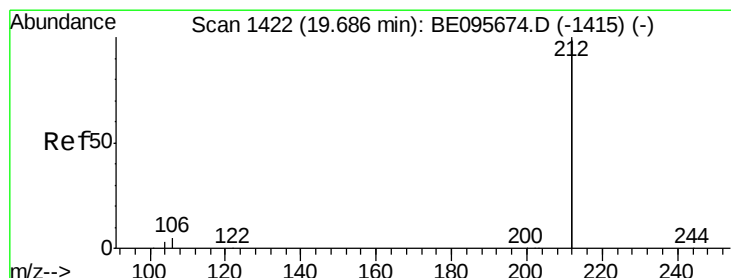
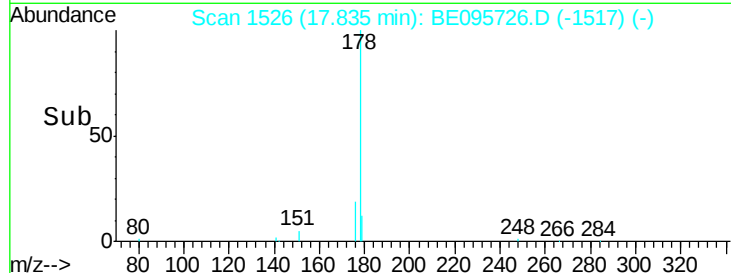
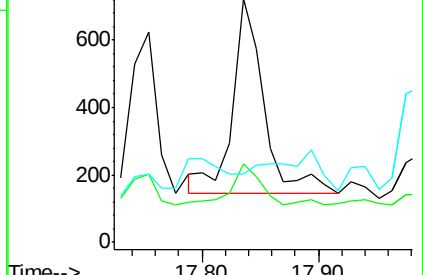
179 0.0 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

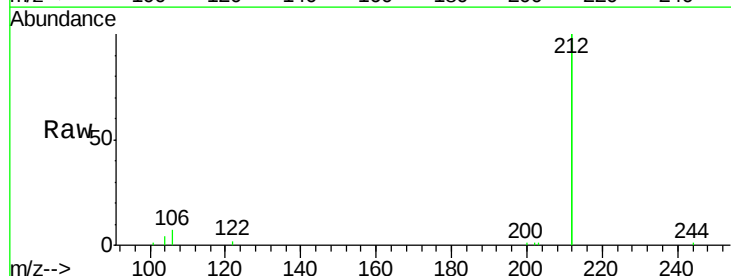
Tgt Ion:212 Resp: 39732

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

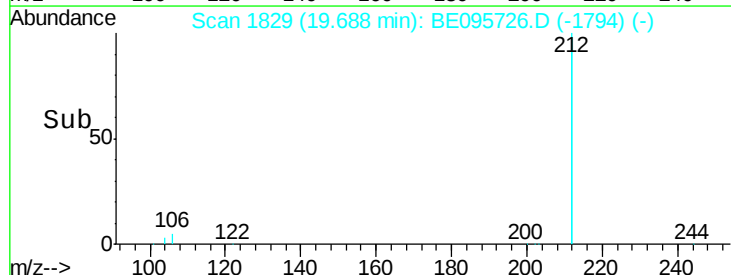
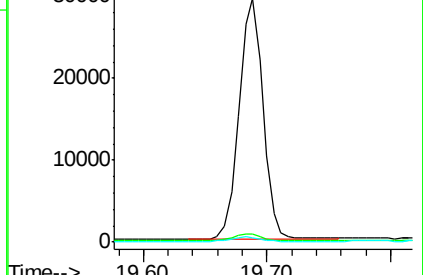
104 1.8 1.6 2.4

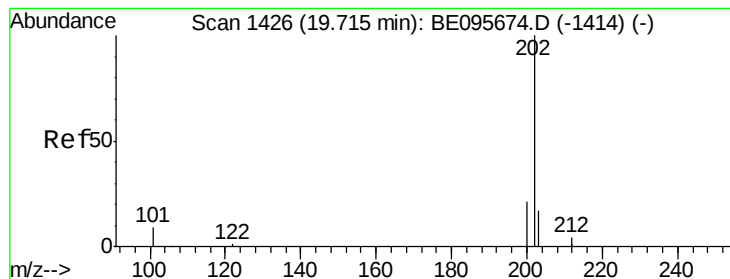


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.036 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

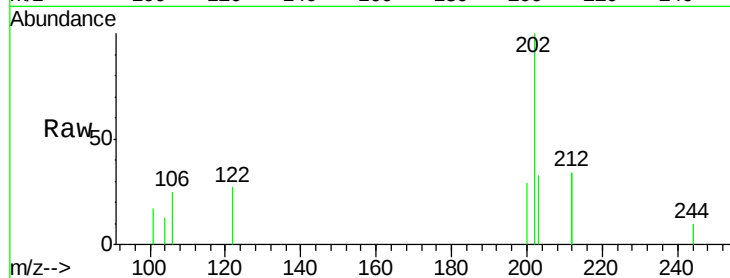
Tot Ion:202 Resp: 1076

Ion Ratio Lower Upper

202 100

101 9.6 9.8 14.8#

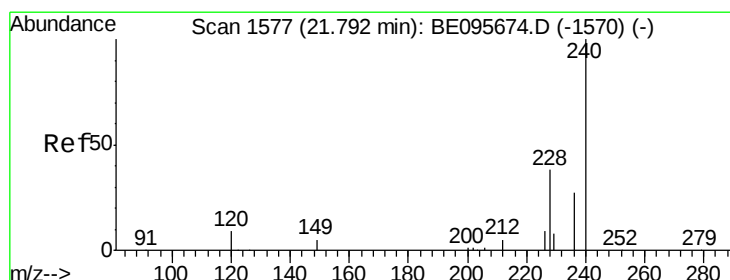
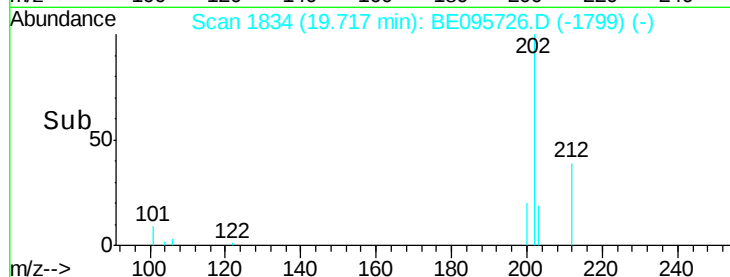
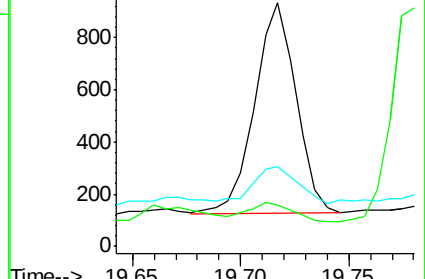
203 16.2 13.7 20.5



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: 0.400 ng

RT: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

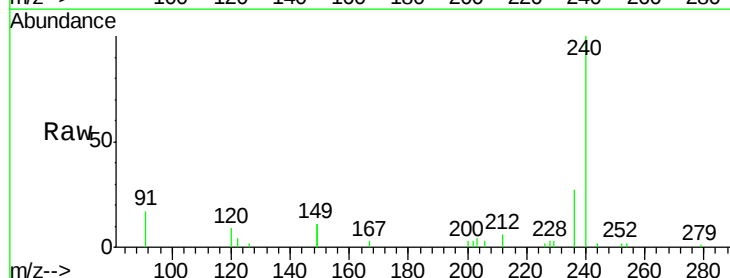
Tgt Ion:240 Resp: 7702

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

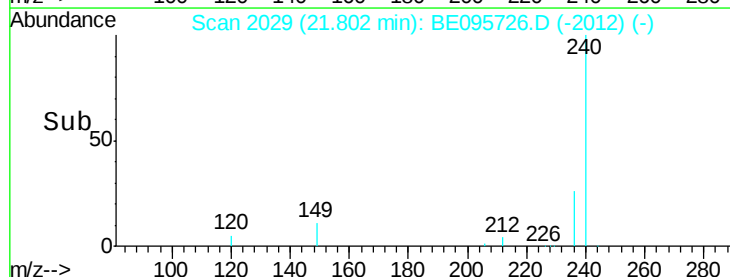
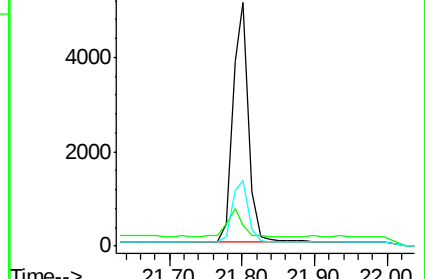
236 27.1 20.7 31.1

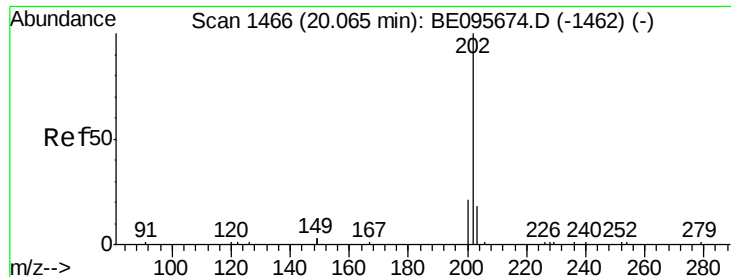


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.033 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

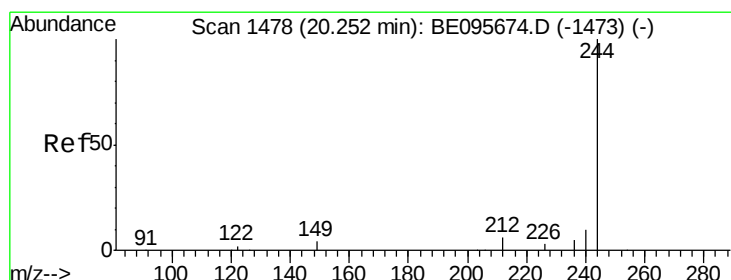
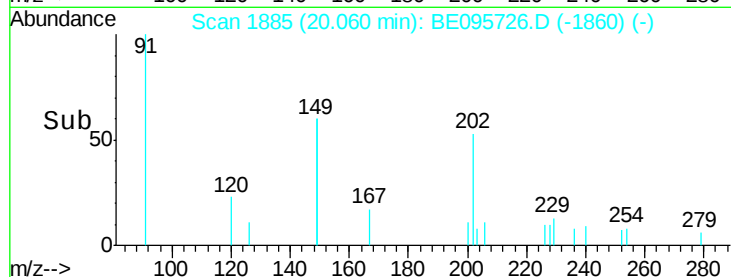
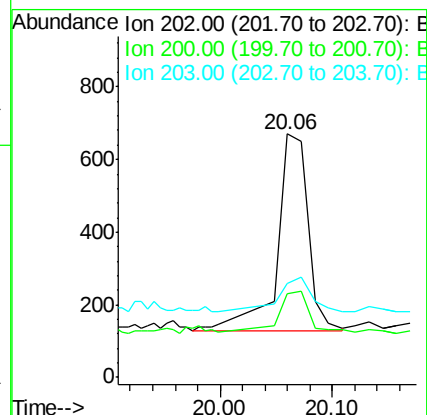
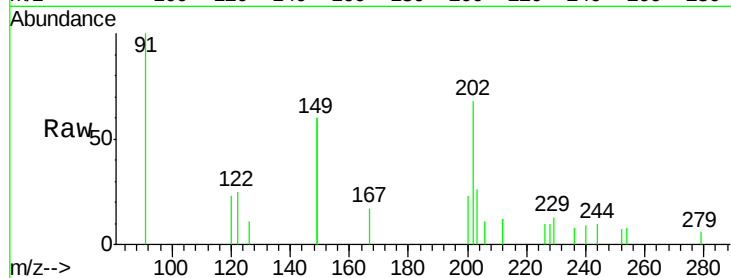
Tot Ion:202 Resp: 1037

Ion Ratio Lower Upper

202 100

200 28.5 16.6 25.0#

203 24.2 13.8 20.8#



#29

Terphenyl-d14

Concen: 0.518 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

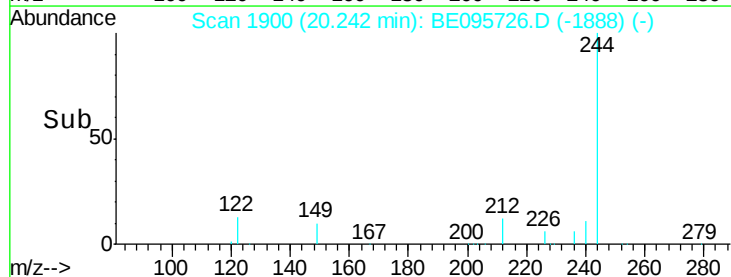
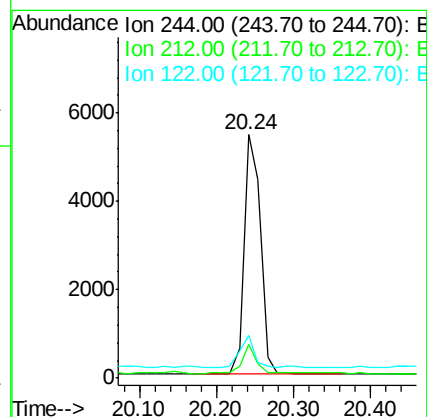
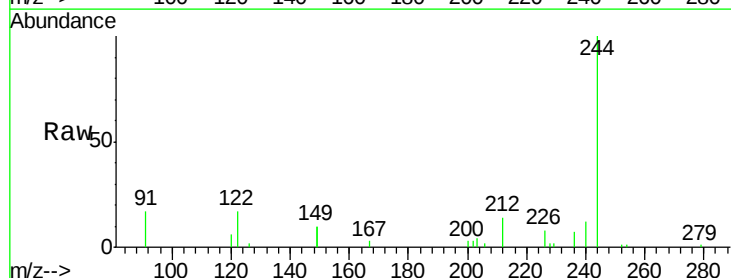
Tgt Ion:244 Resp: 7951

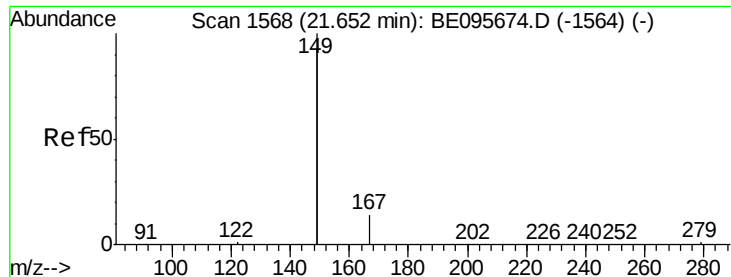
Ion Ratio Lower Upper

244 100

212 13.6 25.4 38.0#

122 17.3 8.1 12.1#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.279 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

Instrument :

BNA_E

ClientSampleId :

CPS113071

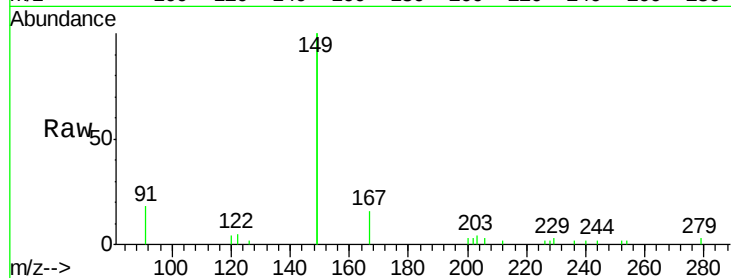
Tot Ion:149 Resp: 12388

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

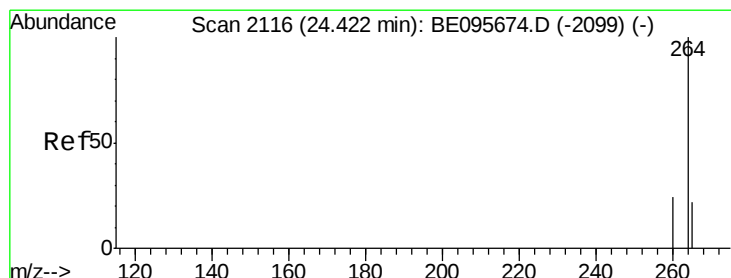
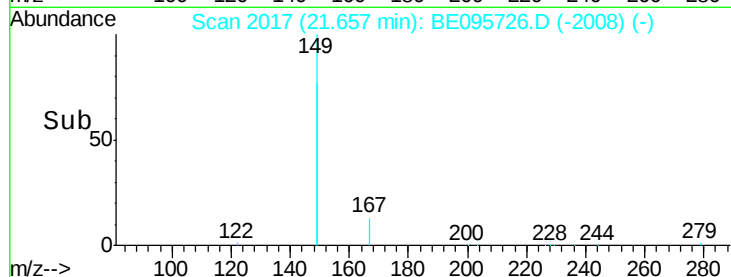
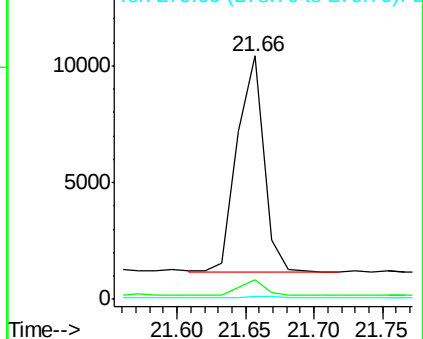
279 1.1 0.7 1.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE095726.D

Acq: 12 Mar 2018 12:38

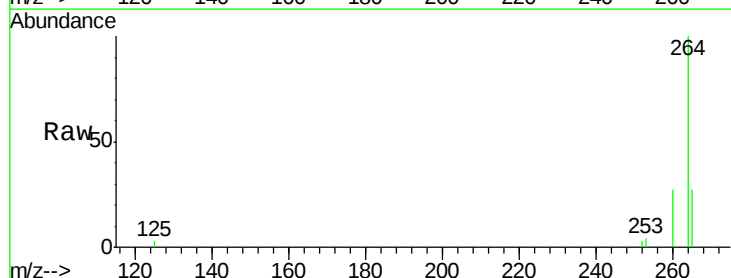
Tgt Ion:264 Resp: 7333

Ion Ratio Lower Upper

264 100

260 26.6 20.5 30.7

265 26.7 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

