

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095737.D
 Acq On : 12 Mar 2018 19:18
 Operator : SJ/JU
 Sample : J1867-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013071

Quant Time: Mar 13 11:00:48 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	1415	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5568	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	4280	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6991	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7074	0.40	ng	0.00
34) Perylene-d12	24.43	264	6726	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	612	0.16	ng	0.00
5) Phenol-d6	7.56	99	574	0.11	ng	0.00
8) Nitrobenzene-d5	9.61	82	2603	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3322	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	638	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	7105	0.37	ng	0.00
25) Fluoranthene-d10	19.68	212	33927	0.37	ng	0.00
29) Terphenyl-d14	20.24	244	8449	0.60	ng	-0.01

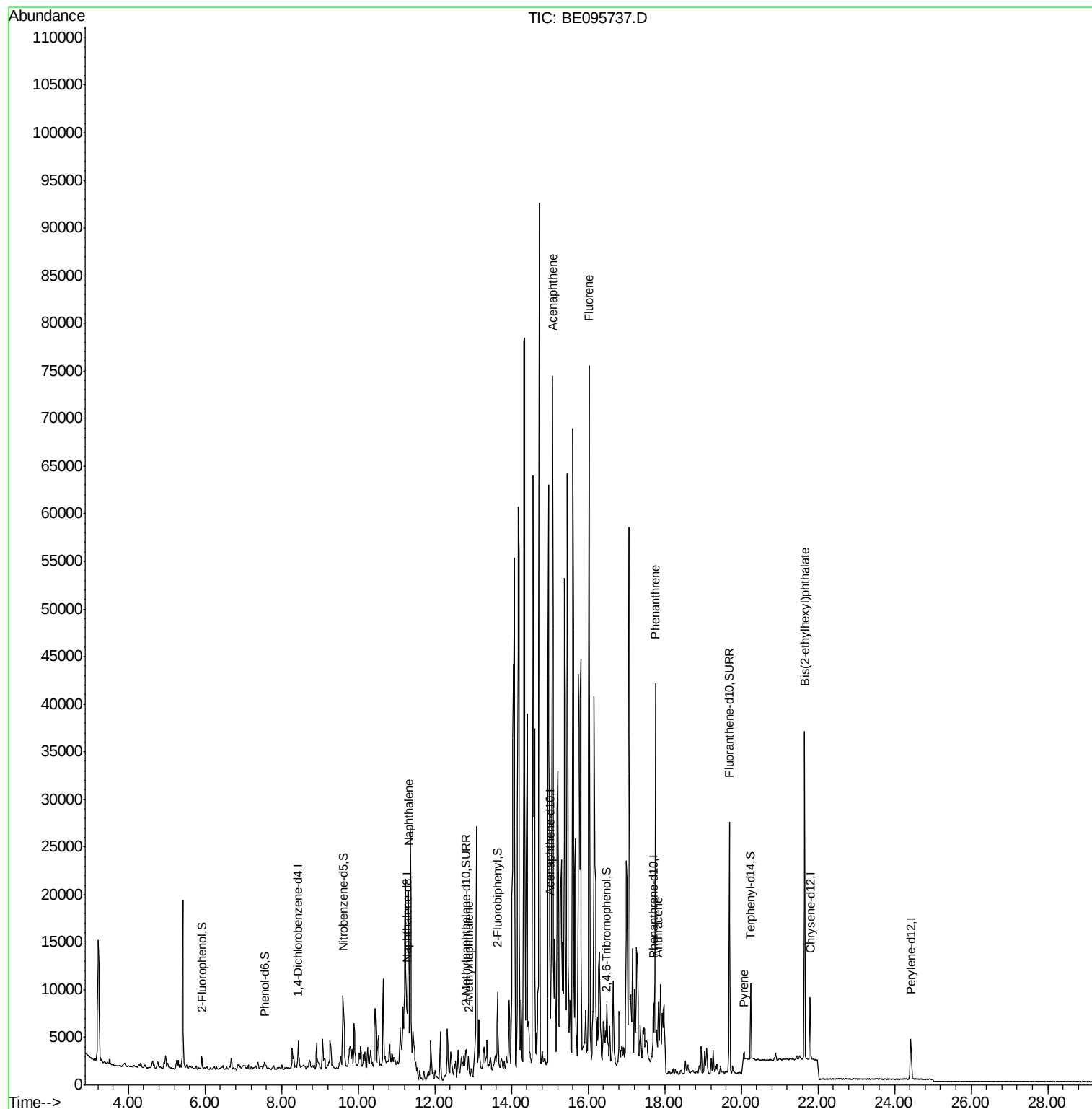
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.31	128	22077	0.344	ng	# 76
12) 2-Methylnaphthalene	12.88	142	1513	0.137	ng	# 72
17) Acenaphthene	15.07	154	19376	1.283	ng	# 70
18) Fluorene	16.03	166	49919	2.666	ng	# 79
23) Phenanthrene	17.75	178	45902	2.101	ng	# 91
24) Anthracene	17.84	178	5189	0.259	ng	# 76
28) Pyrene	20.07	202	835	0.029	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.66	149	39240	0.961	ng	99

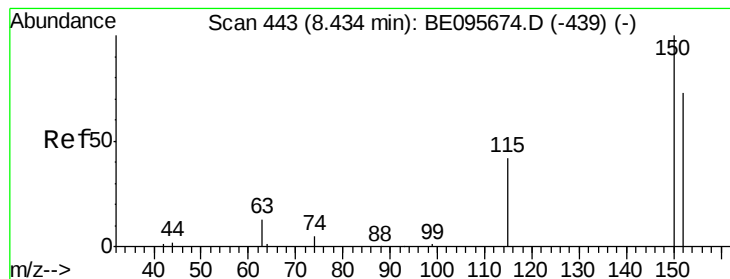
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

C19013071

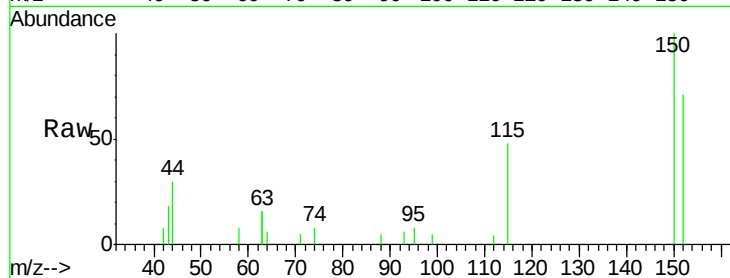
Tot Ion:152 Resp: 1415

Ion Ratio Lower Upper

152 100

150 140.5 117.2 175.8

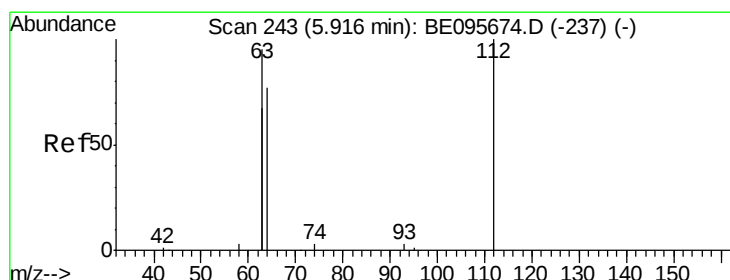
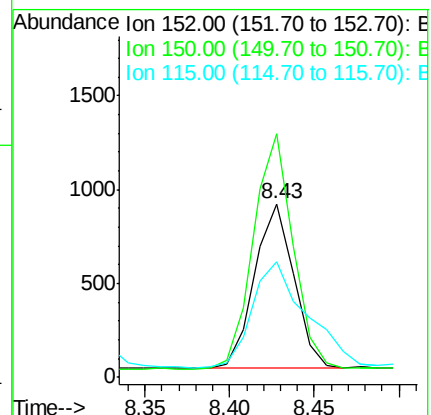
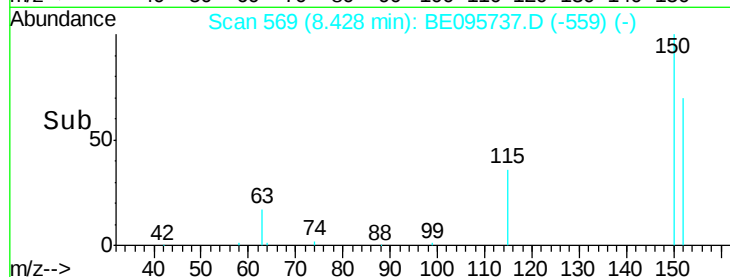
115 66.9 57.0 85.6



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: 0.164 ng

RT: 5.91 min Scan# 312

Delta R.T. -0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

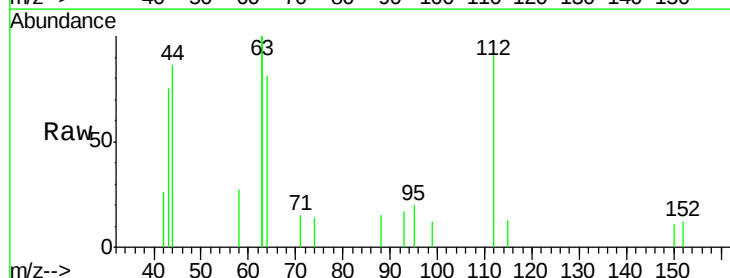
Tgt Ion:112 Resp: 612

Ion Ratio Lower Upper

112 100

64 72.4 60.1 90.1

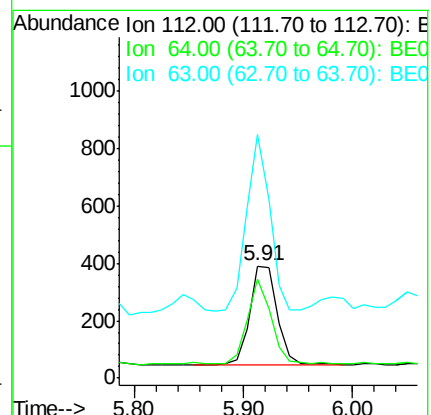
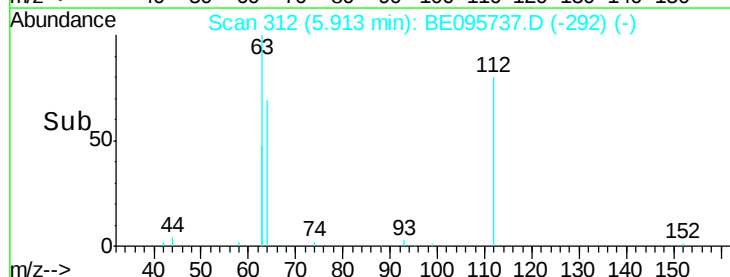
63 149.3 116.8 175.2



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: 0.111 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

C19013071

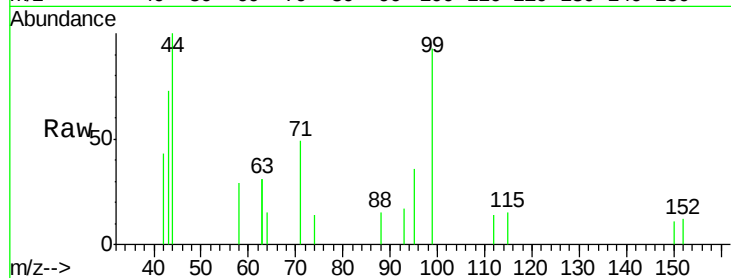
Tot Ion: 99 Resp: 574

Ion Ratio Lower Upper

99 100

42 46.9 20.2 30.2#

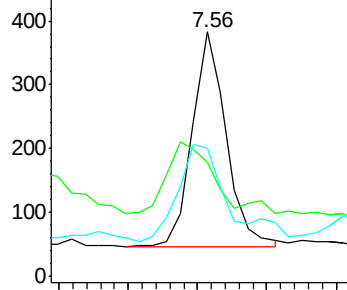
71 65.3 28.4 42.6#



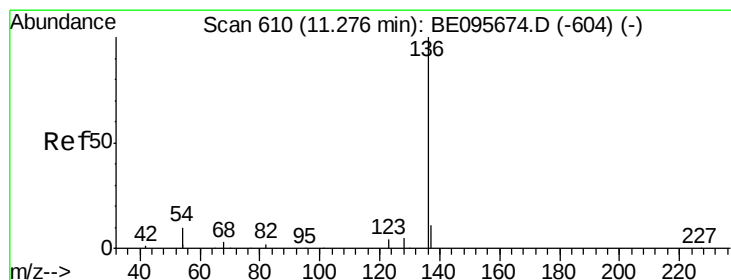
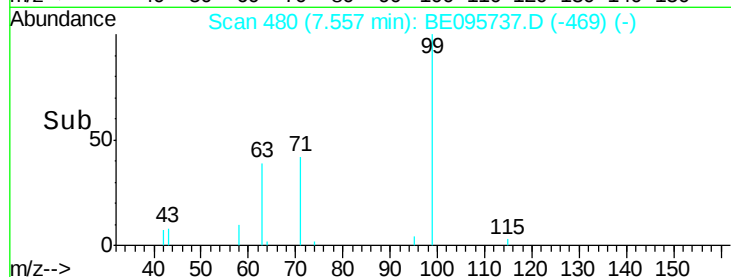
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Tgt Ion: 136 Resp: 5568

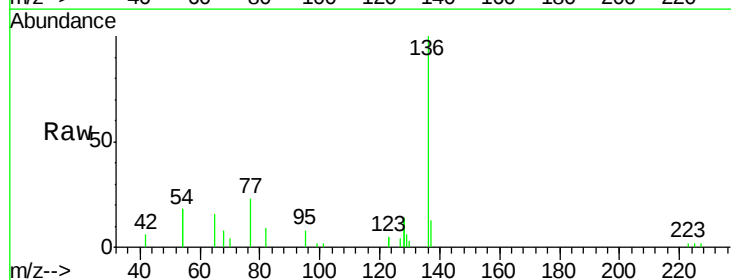
Ion Ratio Lower Upper

136 100

137 13.2 9.5 14.3

54 36.4 29.1 43.7

68 8.4 6.2 9.2

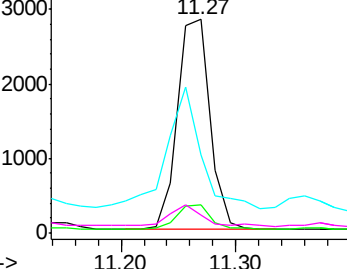


Abundance Ion 136.00 (135.70 to 136.70): E

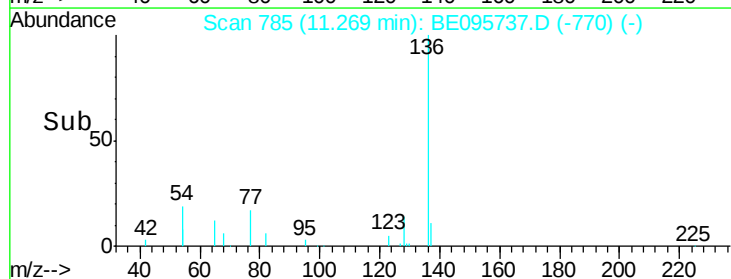
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.454 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

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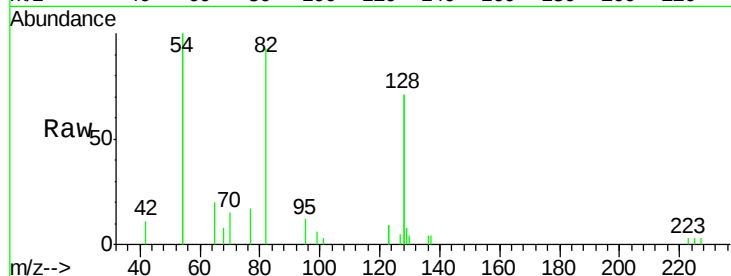
Tot Ion: 82 Resp: 2603

Ion Ratio Lower Upper

82 100

128 151.5 150.0 225.0

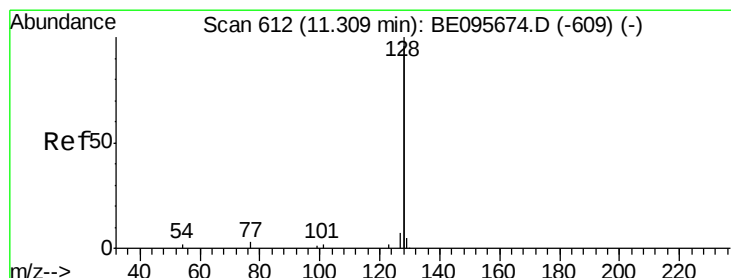
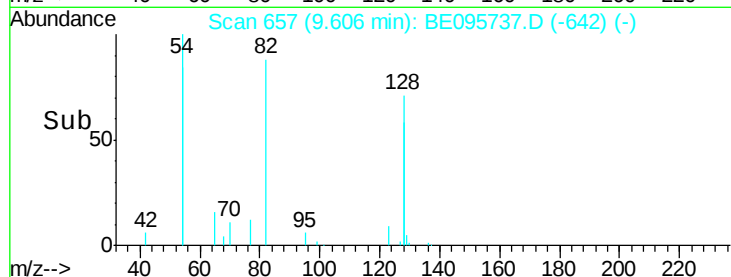
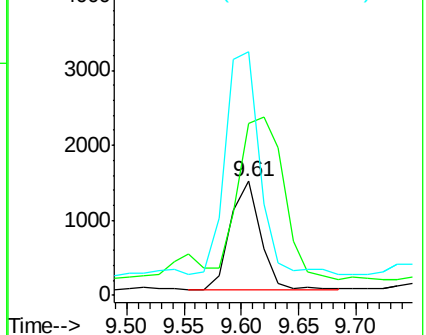
54 214.0 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE095674.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BE095674.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BE095674.D (-508) (-)



#9

Naphthalene

Concen: 0.344 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

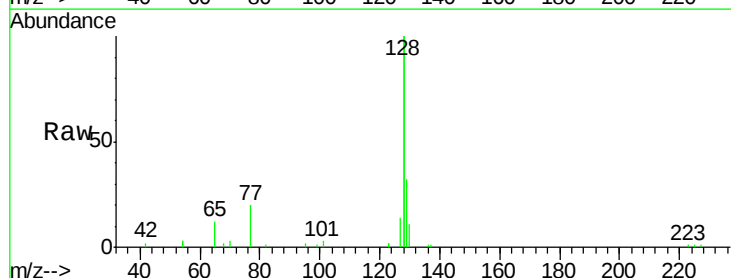
Tgt Ion: 128 Resp: 22077

Ion Ratio Lower Upper

128 100

129 15.9 2.6 3.8#

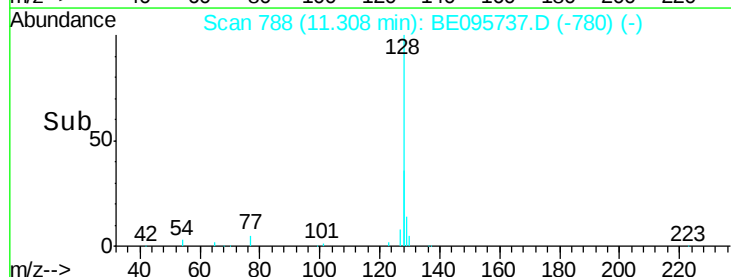
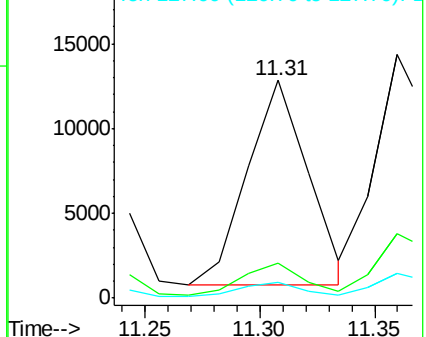
127 7.2 2.8 4.2#

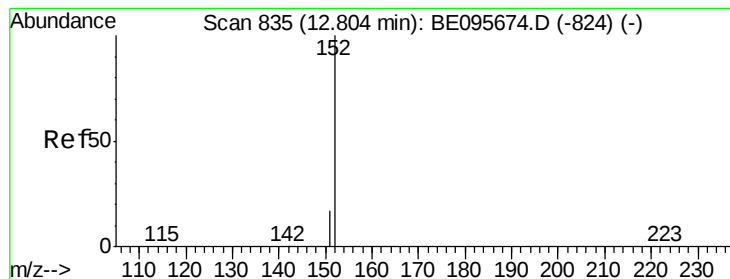


Abundance Ion 128.00 (127.70 to 128.70): BE095674.D (-609) (-)

Ion 129.00 (128.70 to 129.70): BE095674.D (-609) (-)

Ion 127.00 (126.70 to 127.70): BE095674.D (-609) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

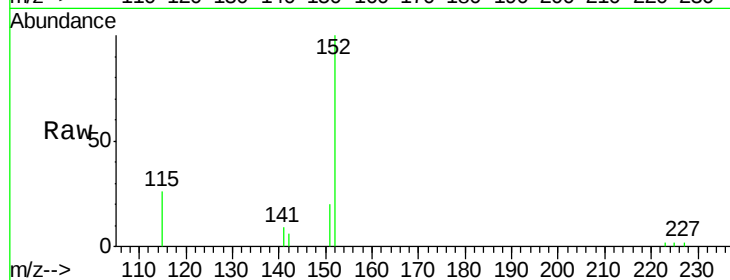
C19013071

Tot Ion:152 Resp: 3322

Ion Ratio Lower Upper

152 100

151 21.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

2500

2000

1500

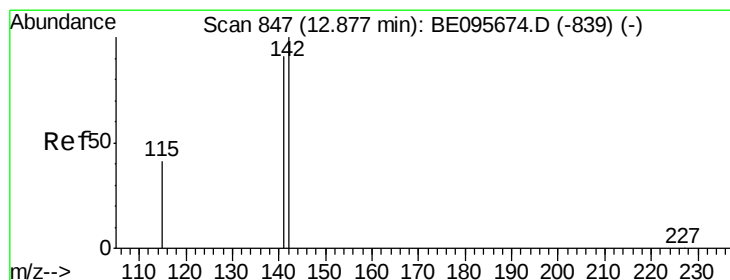
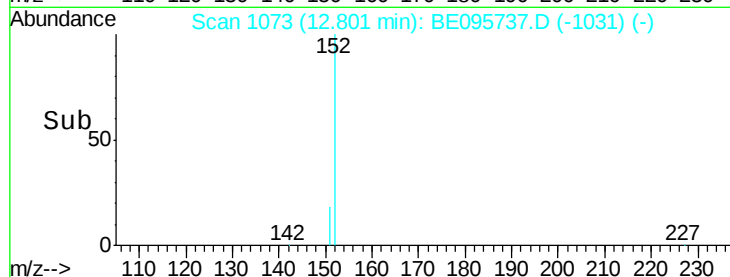
1000

500

0

Time-->

12.75 12.80 12.85 12.90



#12

2-Methylnaphthalene

Concen: 0.137 ng

RT: 12.88 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

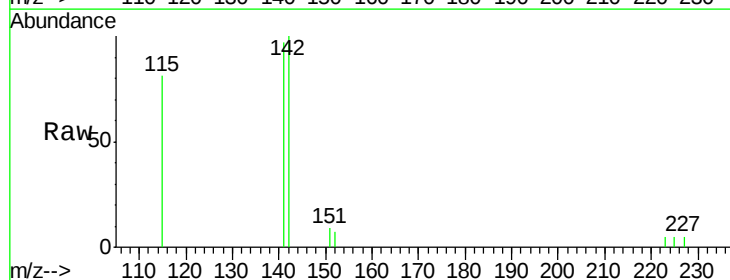
Tgt Ion:142 Resp: 1513

Ion Ratio Lower Upper

142 100

141 97.1 70.4 105.6

115 80.7 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

3000

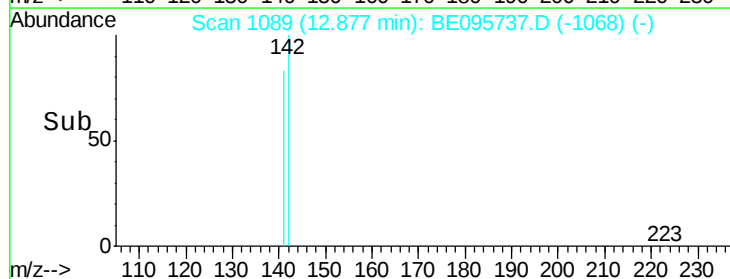
2000

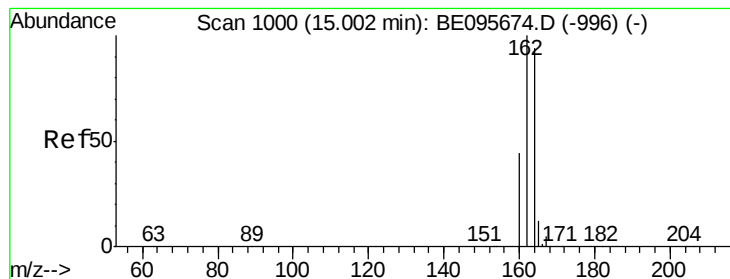
1000

0

Time-->

12.85 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

C19013071

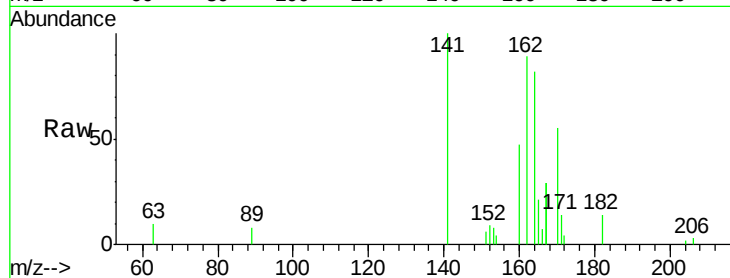
Tot Ion:164 Resp: 4280

Ion Ratio Lower Upper

164 100

162 108.8 83.1 124.7

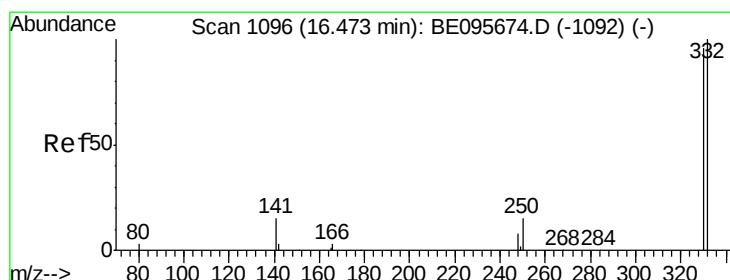
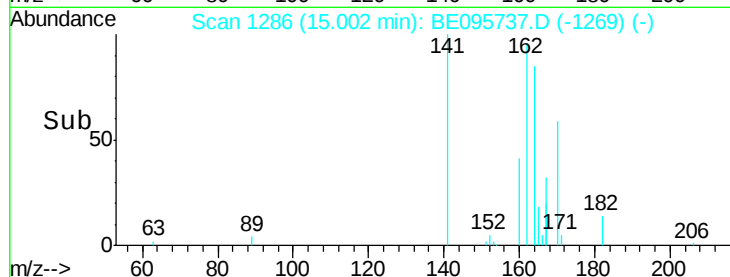
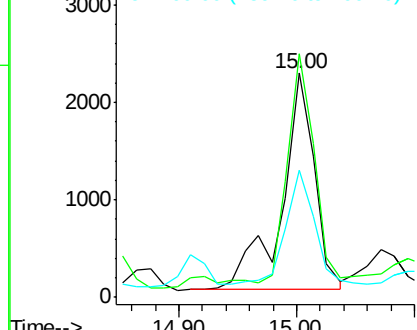
160 57.1 37.1 55.7#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.427 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

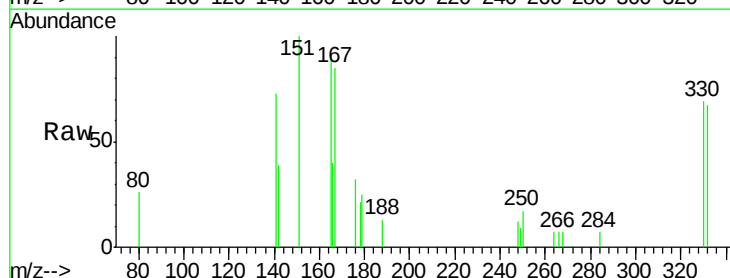
Tgt Ion:330 Resp: 638

Ion Ratio Lower Upper

330 100

332 95.3 152.7 229.1#

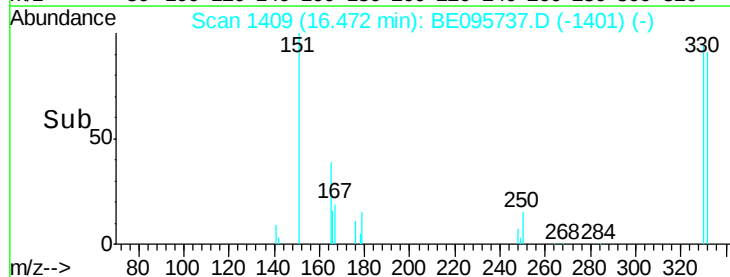
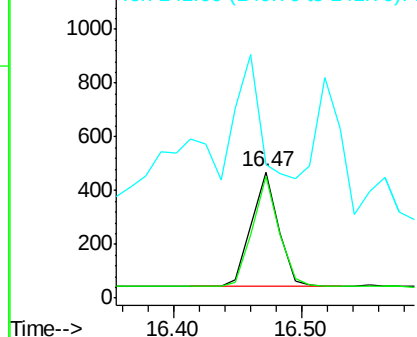
141 95.3 33.7 50.5#

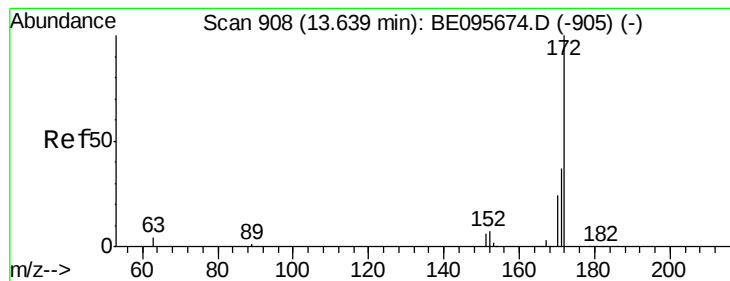


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.372 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

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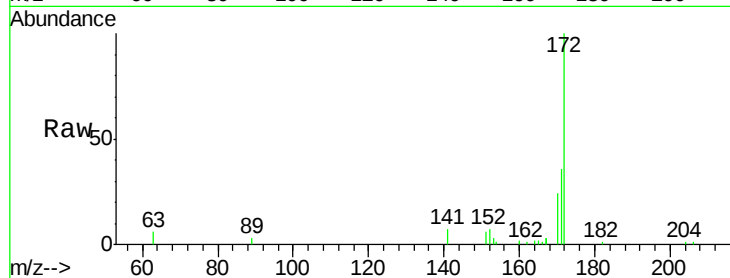
Tot Ion:172 Resp: 7105

Ion Ratio Lower Upper

172 100

171 36.5 29.9 44.9

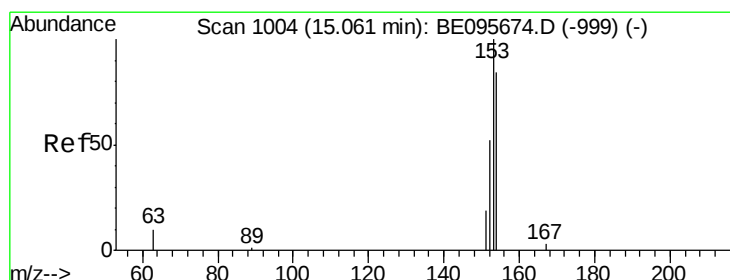
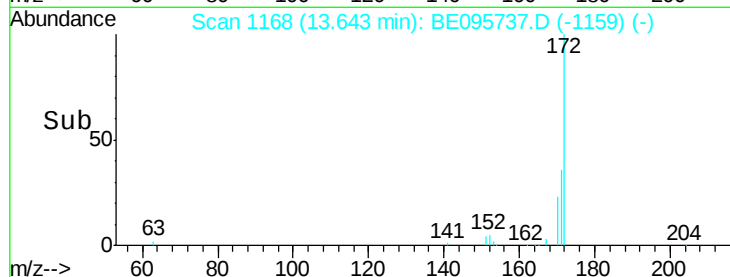
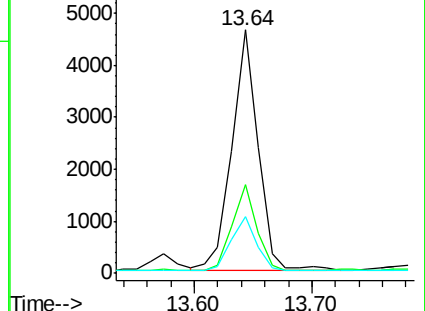
170 23.5 21.8 32.8



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



#17

Acenaphthene

Concen: 1.283 ng

RT: 15.07 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

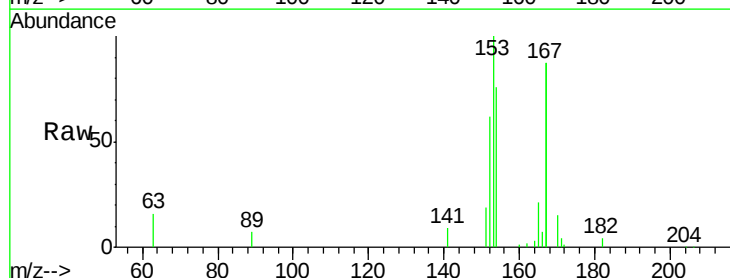
Tgt Ion:154 Resp: 19376

Ion Ratio Lower Upper

154 100

153 135.6 89.2 133.8#

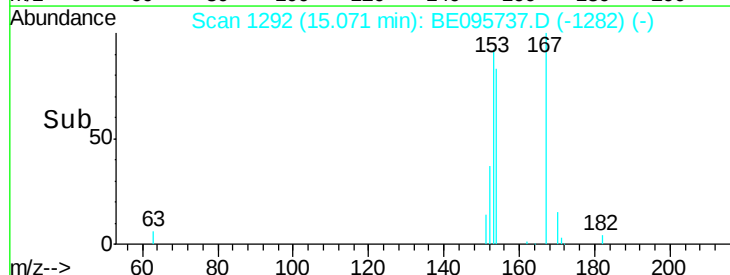
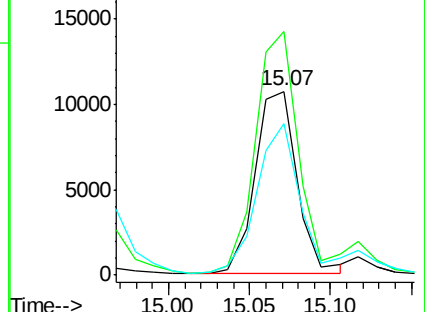
152 84.1 42.0 63.0#

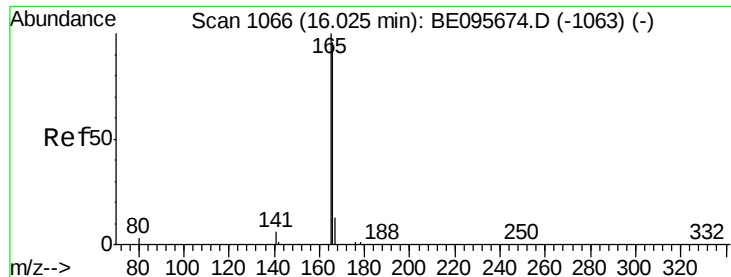


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

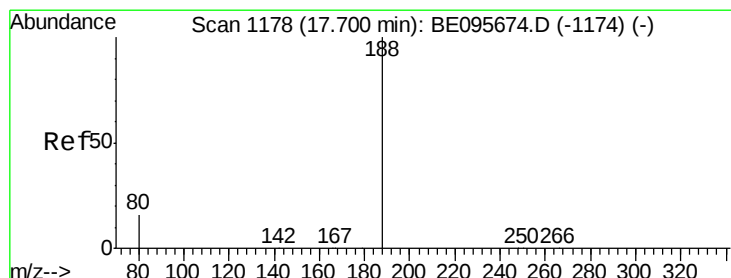
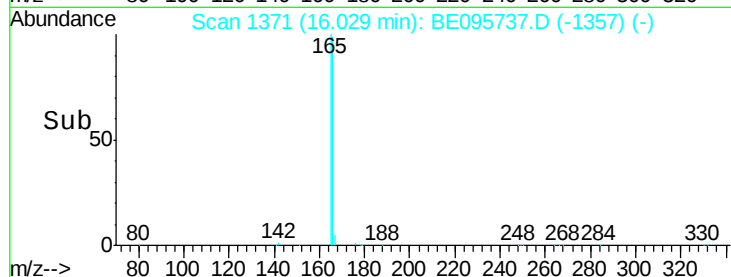
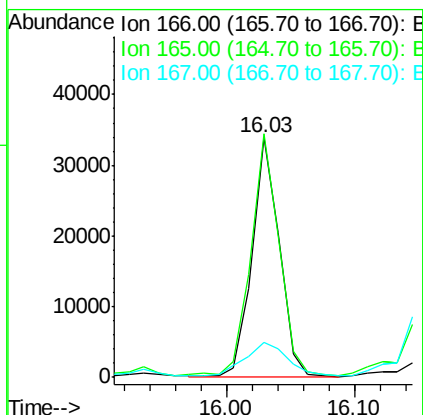
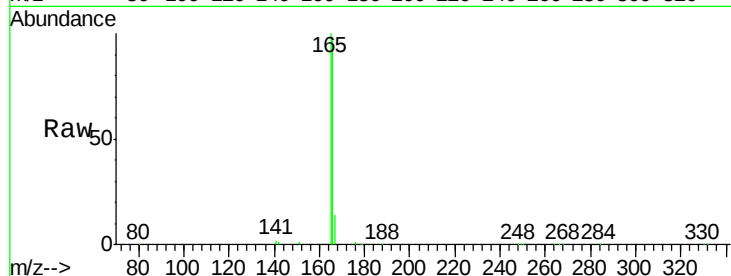




#18
 Fluorene
 Concen: 2.666 ng
 RT: 16.03 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BE095737.D
 Acq: 12 Mar 2018 19:18

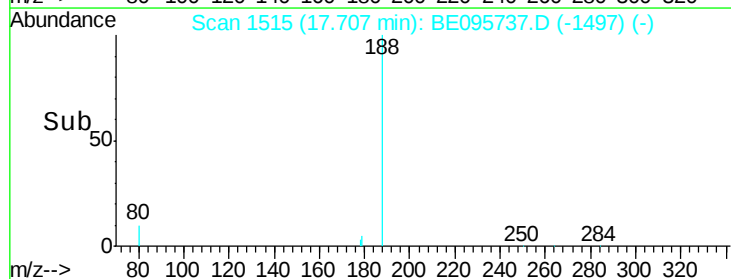
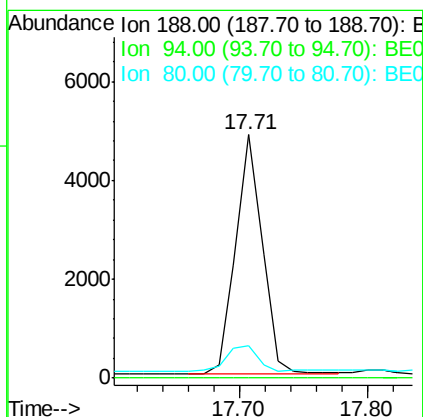
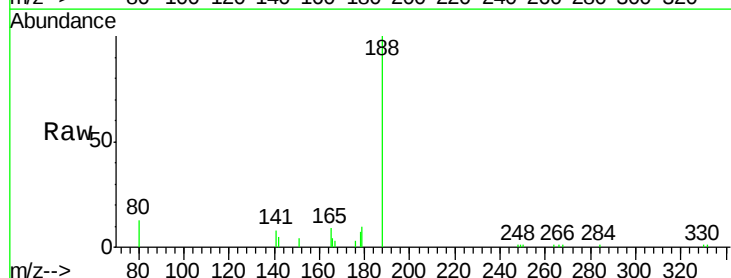
Instrument :
 BNA_E
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 C19013071

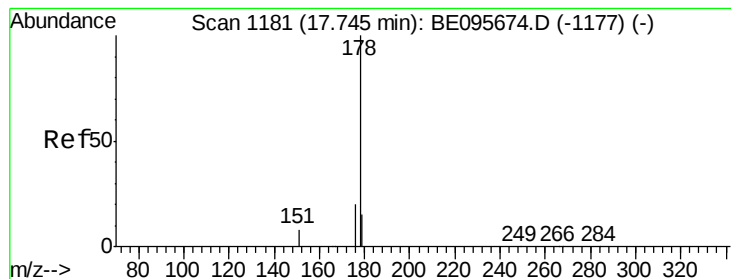
Tot Ion:166 Resp: 49919
 Ion Ratio Lower Upper
 166 100
 165 105.5 77.8 116.6
 167 22.0 42.4 63.6#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.71 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: BE095737.D
 Acq: 12 Mar 2018 19:18

Tgt Ion:188 Resp: 6991
 Ion Ratio Lower Upper
 188 100
 94 0.0 3.9 5.9#
 80 13.4 3.6 5.4#





#23

Phenanthrene

Concen: 2.101 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

C19013071

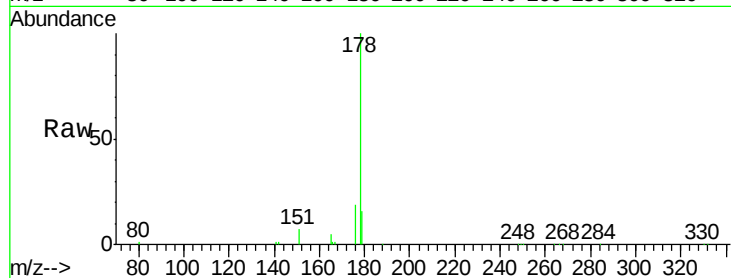
Tot Ion:178 Resp: 45902

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

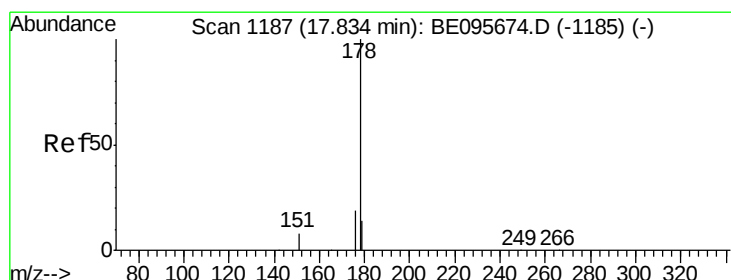
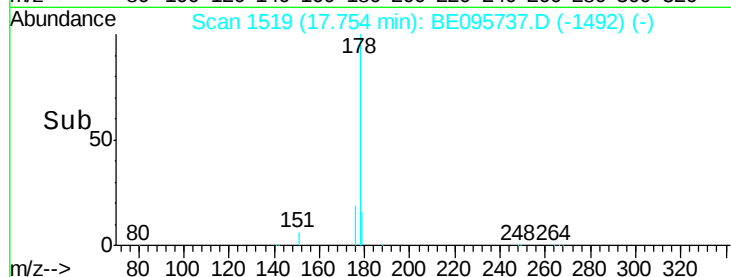
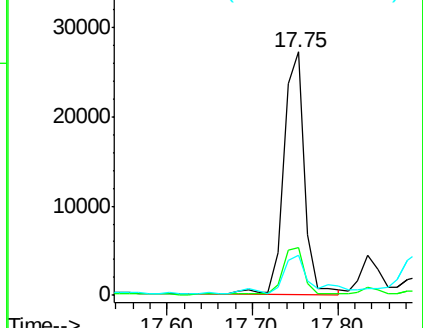
179 21.7 11.8 17.6#



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: 0.259 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

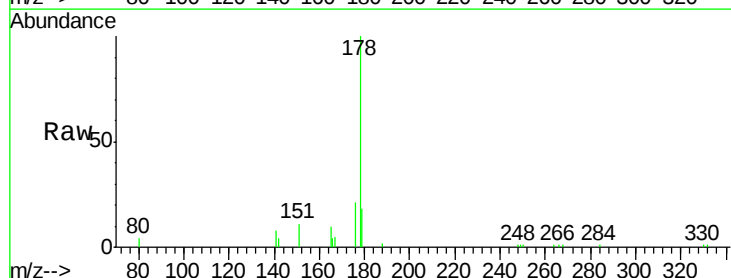
Tgt Ion:178 Resp: 5189

Ion Ratio Lower Upper

178 100

176 20.2 12.8 19.2#

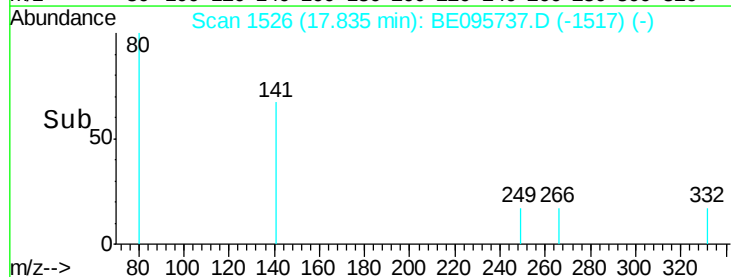
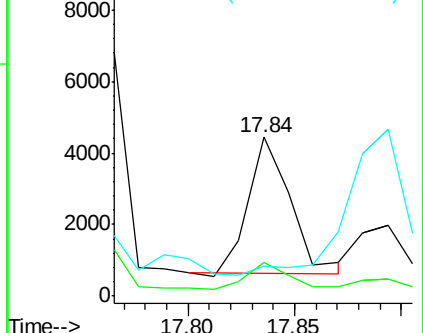
179 0.0 13.0 19.6#

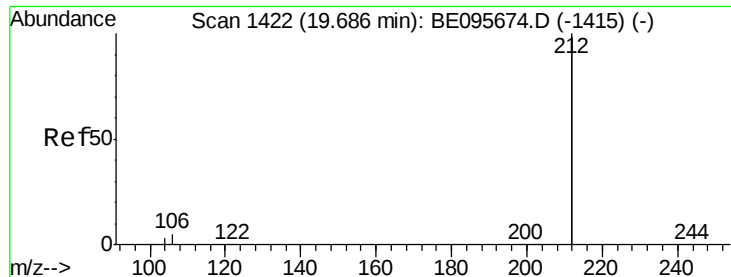


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

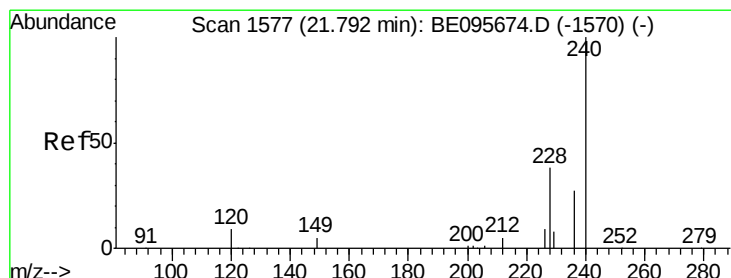
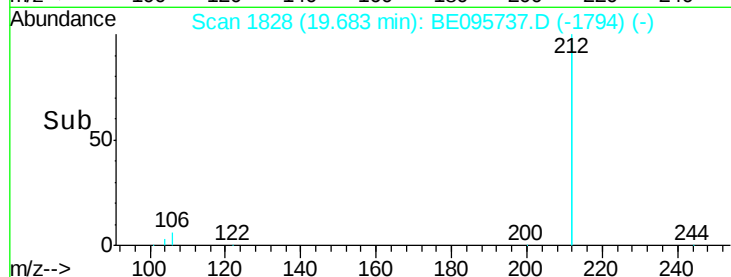
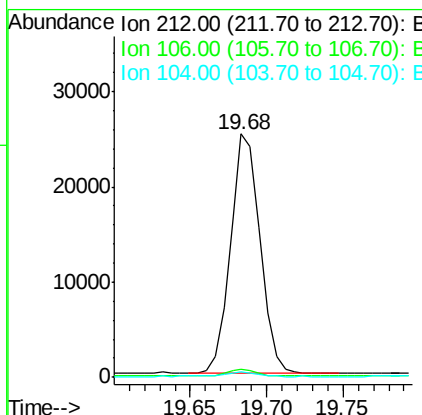
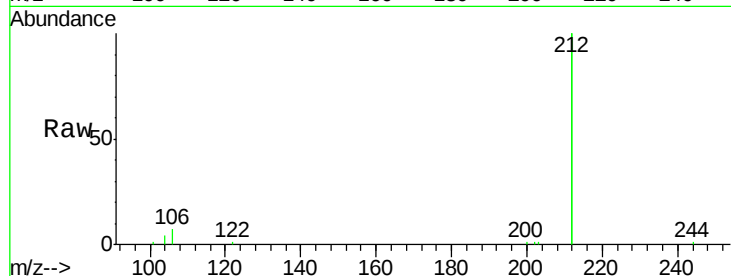




#25
 Fluoranthene-d10
 Concen: 0.372 ng
 RT: 19.68 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE095737.D
 Acq: 12 Mar 2018 19:18

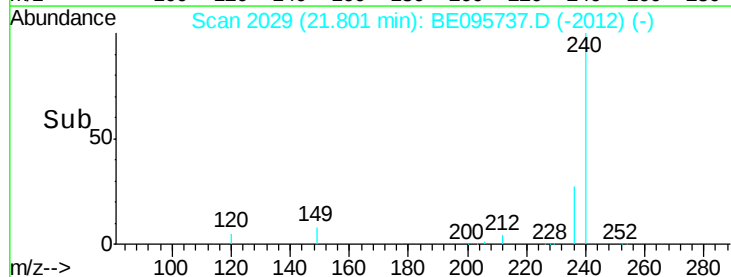
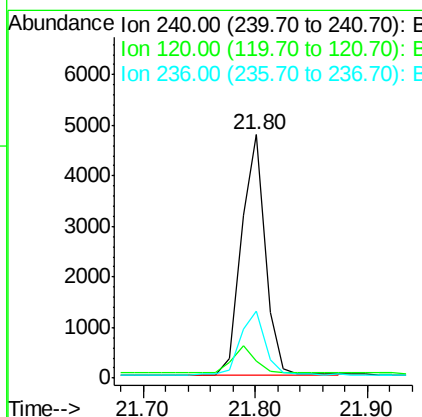
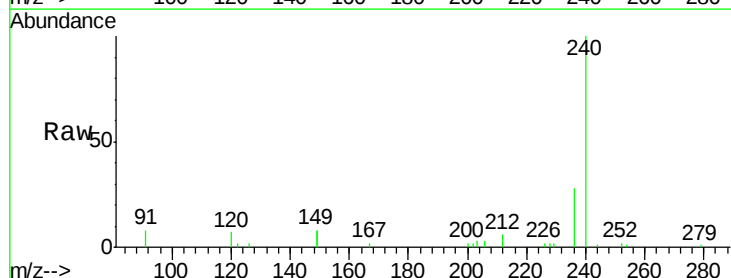
Instrument :
 BNA_E
 ClientSampleId :
 C19013071

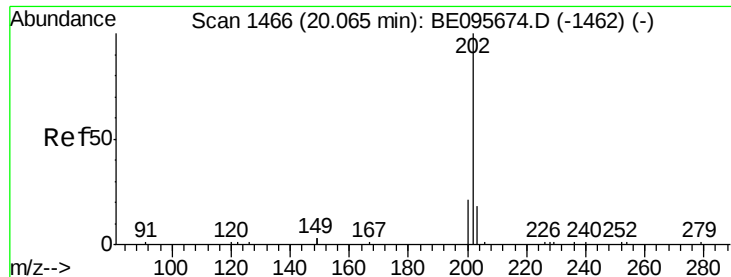
Tot Ion:212 Resp: 33927
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.8 4.2
 104 2.0 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.80 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BE095737.D
 Acq: 12 Mar 2018 19:18

Tgt Ion:240 Resp: 7074
 Ion Ratio Lower Upper
 240 100
 120 7.3 5.5 8.3
 236 27.6 20.7 31.1





#28

Pvrene

Concen: 0.029 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

C19013071

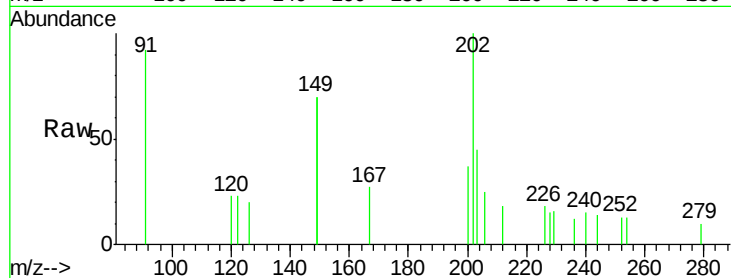
Tot Ion:202 Resp: 835

Ion Ratio Lower Upper

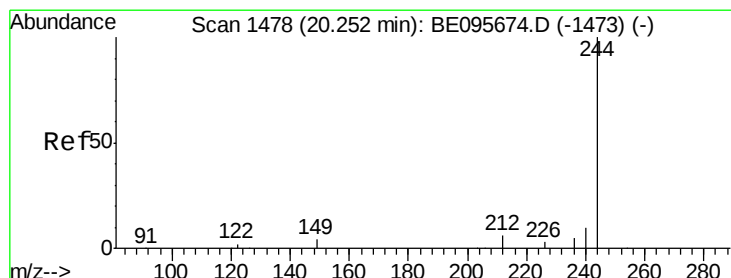
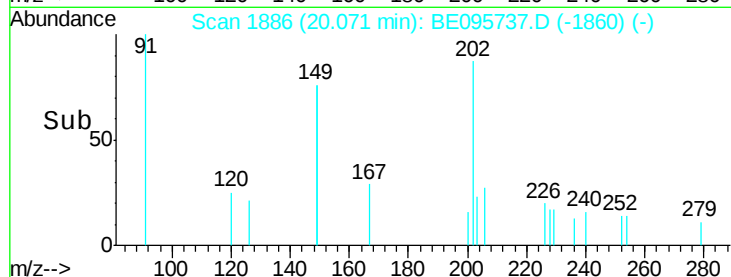
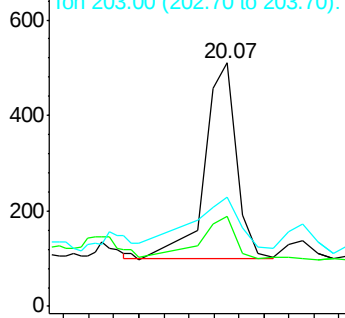
202 100

200 25.4 16.6 25.0#

203 46.0 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E



#29

Terphenyl-d14

Concen: 0.599 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

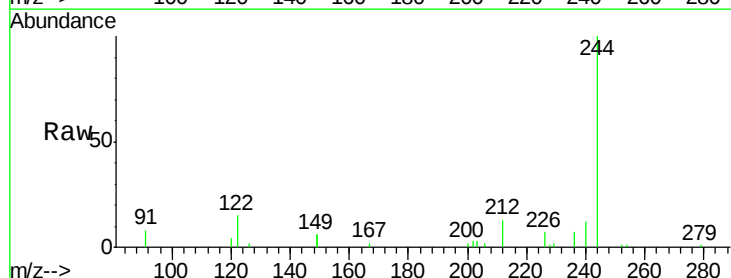
Tgt Ion:244 Resp: 8449

Ion Ratio Lower Upper

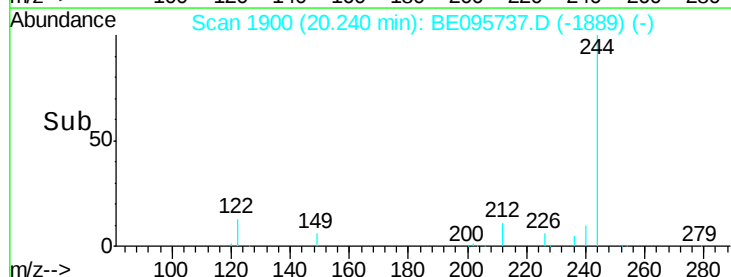
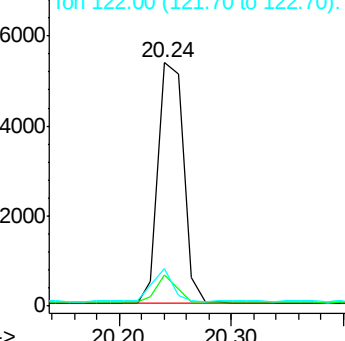
244 100

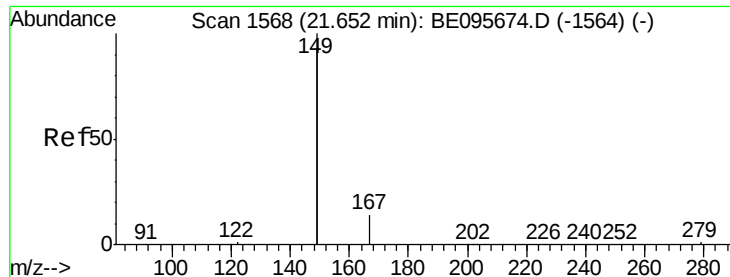
212 12.6 25.4 38.0#

122 15.3 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.961 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

Instrument :

BNA_E

ClientSampleId :

C19013071

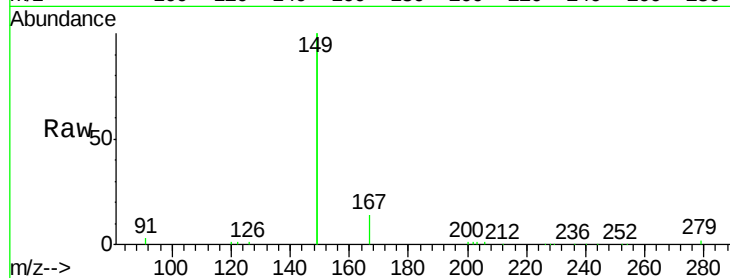
Tot Ion:149 Resp: 39240

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

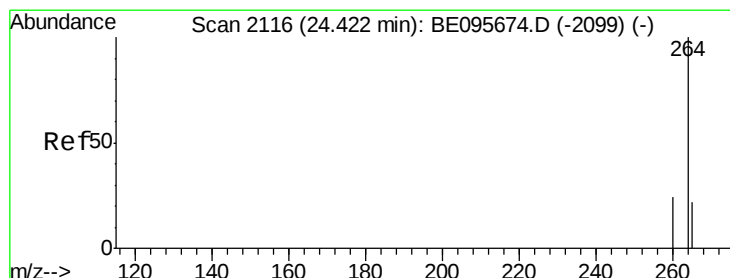
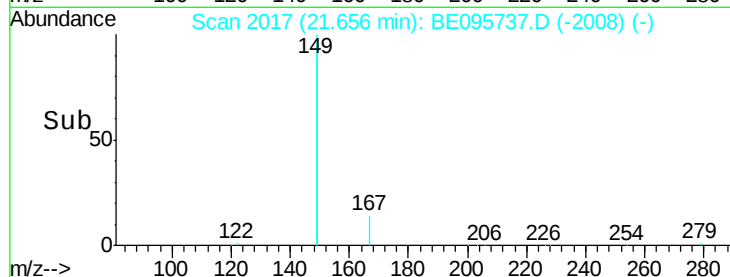
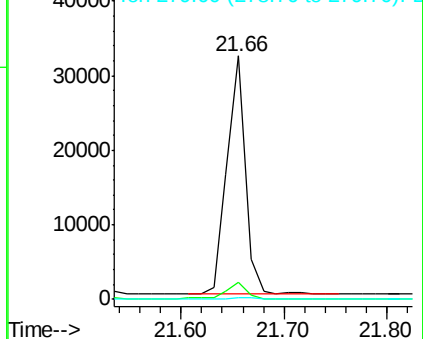
279 0.9 0.7 1.1



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: 24.43 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE095737.D

Acq: 12 Mar 2018 19:18

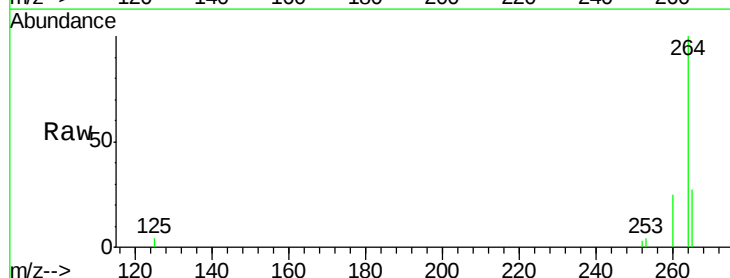
Tgt Ion:264 Resp: 6726

Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

265 27.4 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

