

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
 Data File : BE096225.D
 Acq On : 30 Apr 2018 17:09
 Operator : SJ/JU
 Sample : J2463-10RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418RE

Quant Time: May 01 04:49:41 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	801	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2835	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	8993	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3809	0.40	ng	0.00
27) Chrysene-d12	21.75	240	4049	0.40	ng	0.01
34) Perylene-d12	24.36	264	3854	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.87	112	558	0.23	ng	0.01
5) Phenol-d6	7.53	99	599	0.18	ng	0.02
8) Nitrobenzene-d5	9.54	82	2518	0.76	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1782	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.43	330	372	0.09	ng	0.01
15) 2-Fluorobiphenyl	13.59	172	2499	0.06	ng	0.01
25) Fluoranthene-d10	19.64	212	17804	0.34	ng	0.00
29) Terphenyl-d14	20.19	244	2595	0.29	ng	0.00

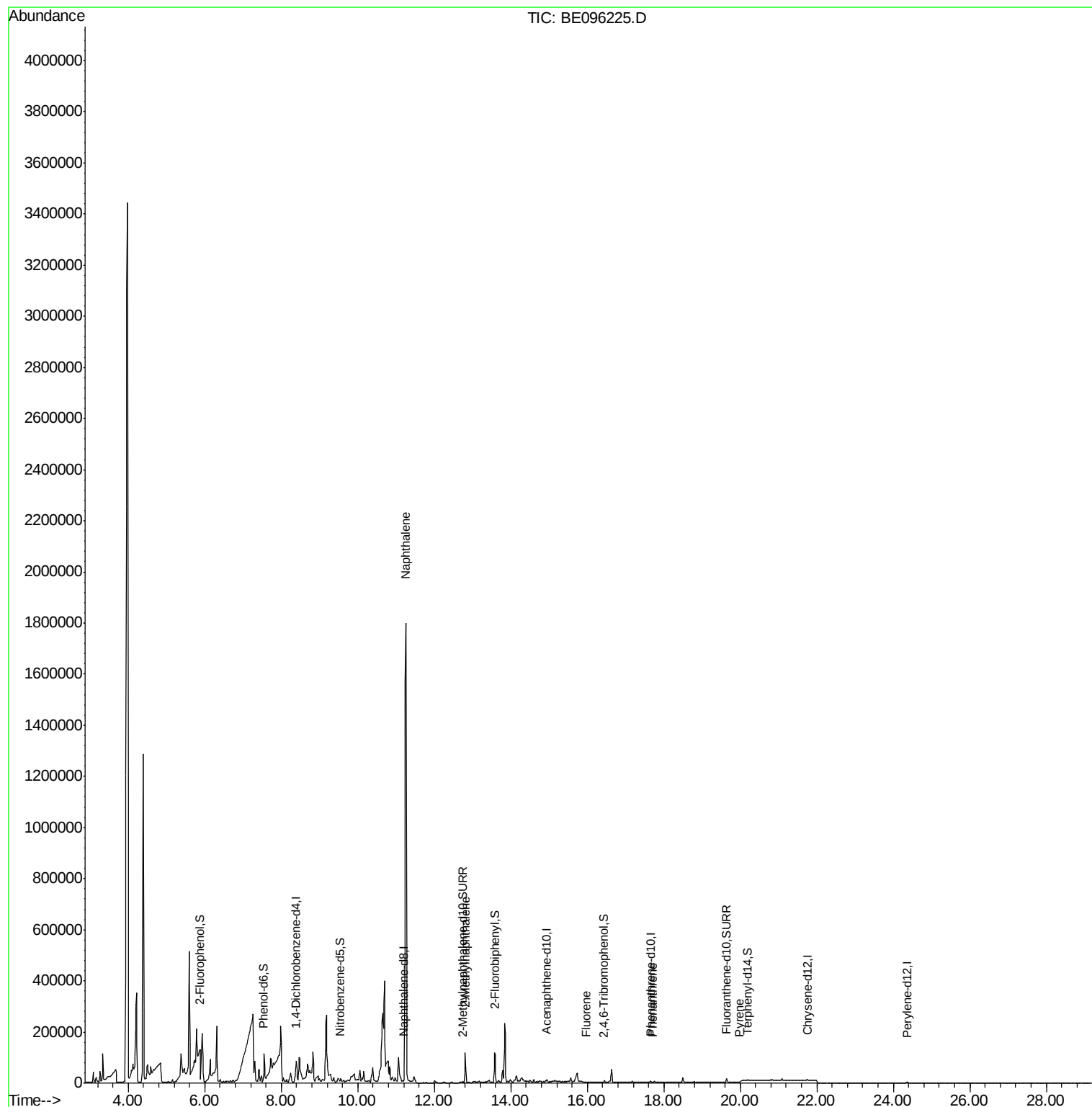
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.26	128	3165229	105.905	ng	99
12) 2-Methylnaphthalene	12.81	142	77383	15.643	ng	94
18) Fluorene	15.97	166	1660	0.046	ng	# 81
23) Phenanthrene	17.70	178	792	0.074	ng	# 61
28) Pyrene	19.98	202	484	0.061	ng	# 75

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

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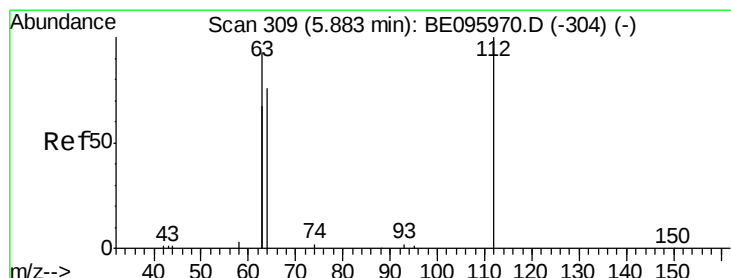
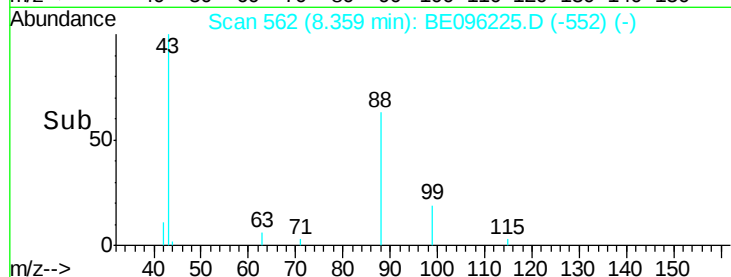
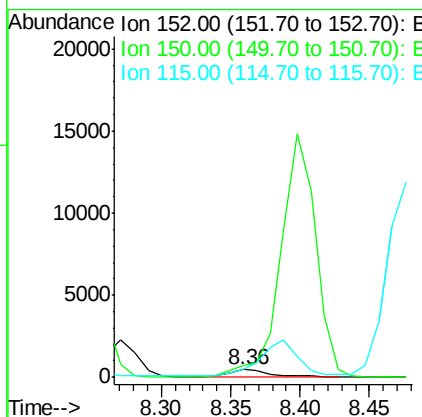
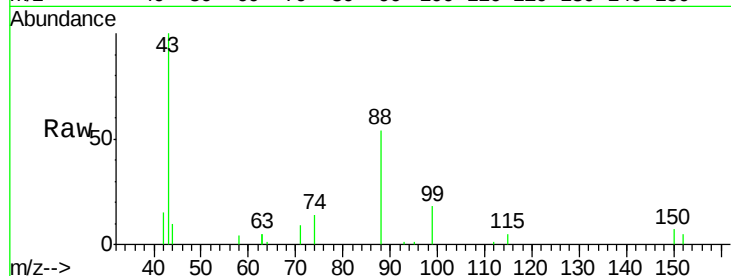


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418RE

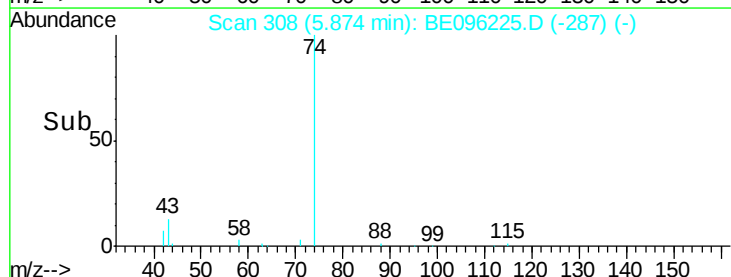
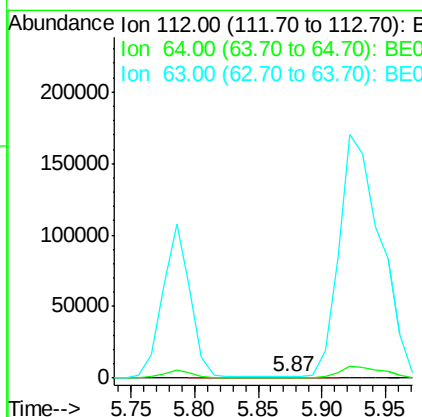
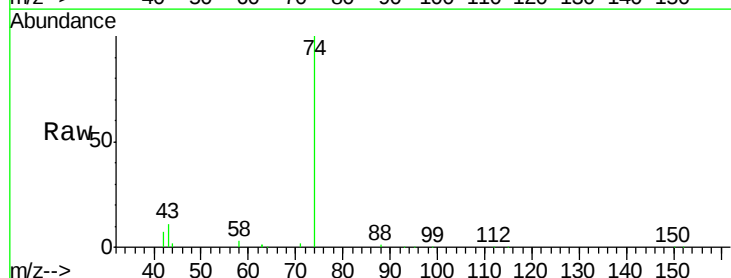
Tot Ion:152 Resp: 801
 Ion Ratio Lower Upper
 152 100
 150 145.4 117.2 175.8
 115 103.5 57.0 85.6#

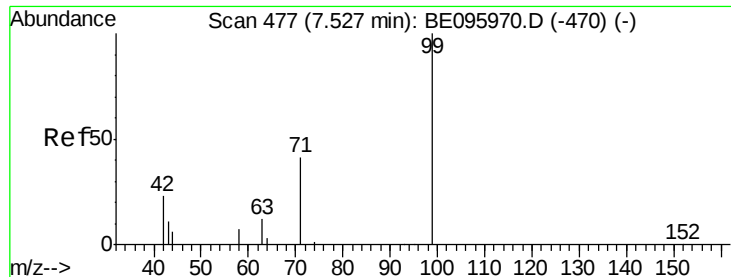


#4

2-Fluorophenol
 Concen: 0.225 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Tgt Ion:112 Resp: 558
 Ion Ratio Lower Upper
 112 100
 64 0.0 60.1 90.1#
 63 0.0 116.8 175.2#





#5

Phenol-d6

Concen: 0.175 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.02 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

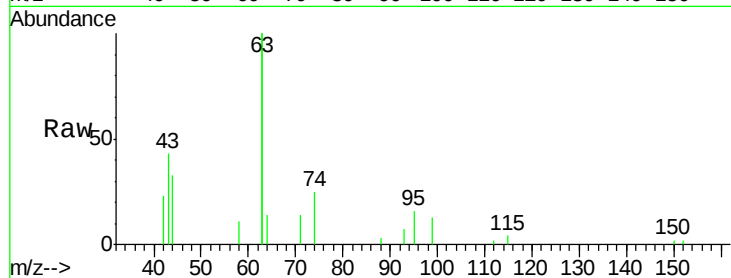
Tot Ion: 99 Resp: 599

Ion Ratio Lower Upper

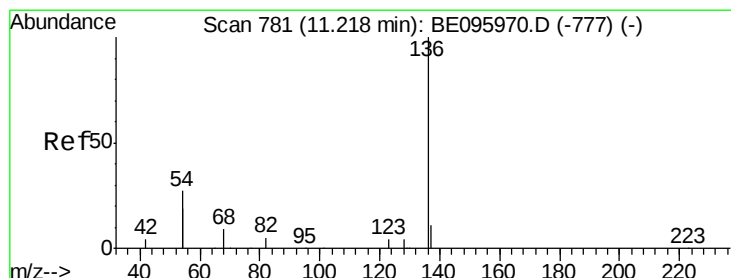
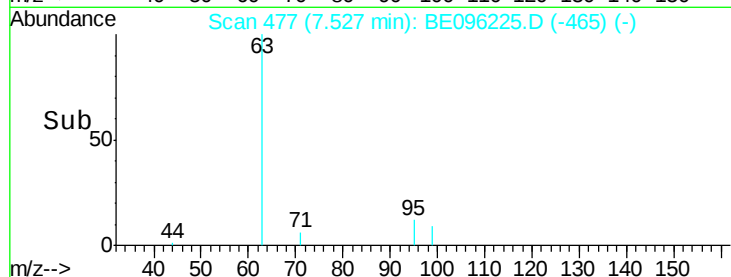
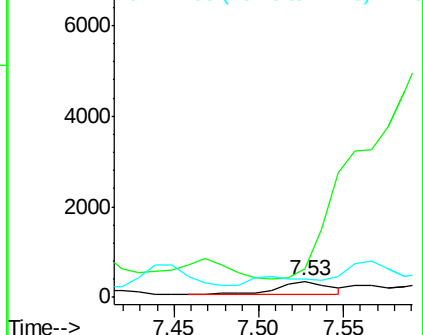
99 100

42 0.0 20.2 30.2#

71 74.0 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: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Tgt Ion: 136 Resp: 2835

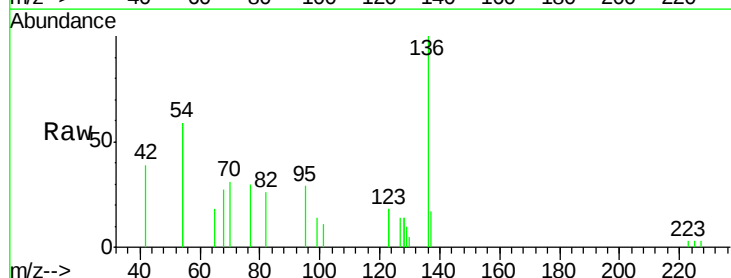
Ion Ratio Lower Upper

136 100

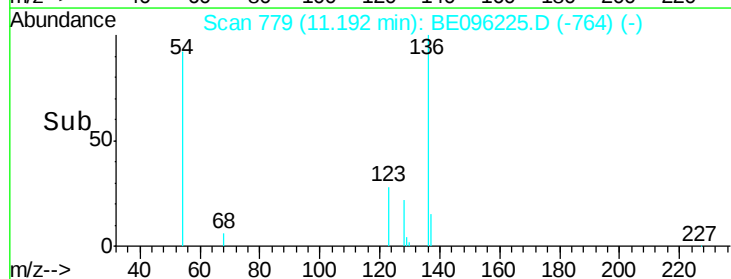
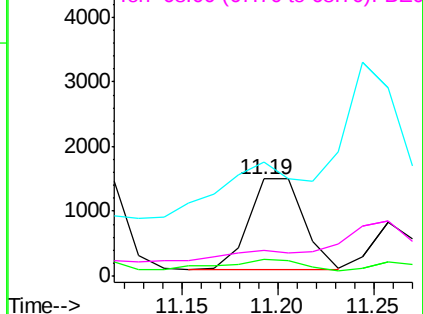
137 16.9 9.5 14.3#

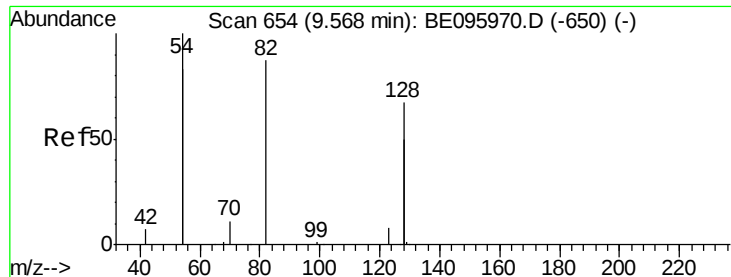
54 117.3 29.1 43.7#

68 26.6 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: 0.757 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

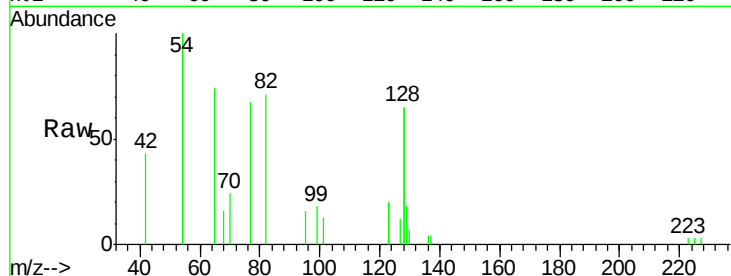
Tot Ion: 82 Resp: 2518

Ion Ratio Lower Upper

82 100

128 180.9 150.0 225.0

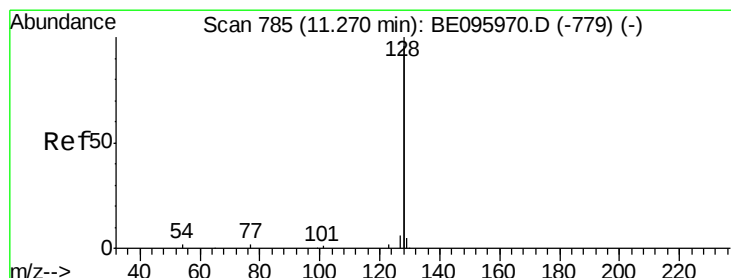
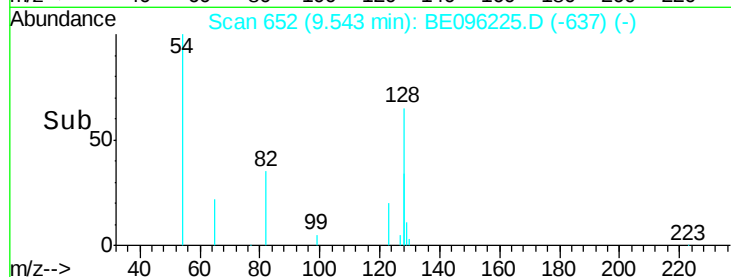
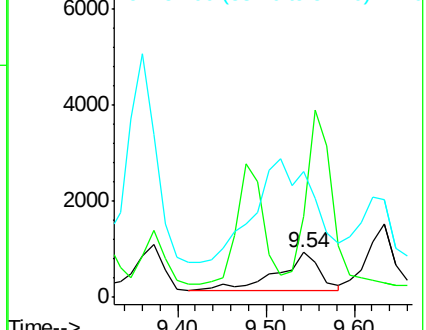
54 279.9 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095970.D (-650) (-)

Ion 128.00 (127.70 to 128.70): BE095970.D (-650) (-)

Ion 54.00 (53.70 to 54.70): BE095970.D (-650) (-)



#9

Naphthalene

Concen: 105.905 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.01 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

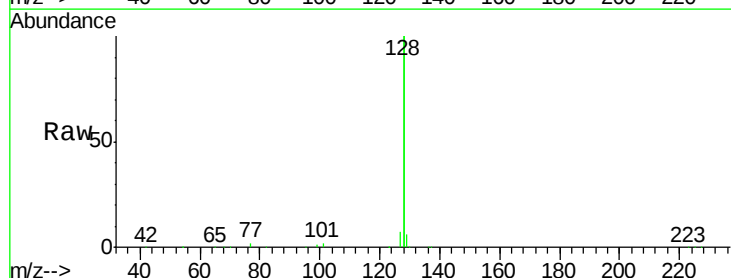
Tgt Ion:128 Resp: 3165229

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

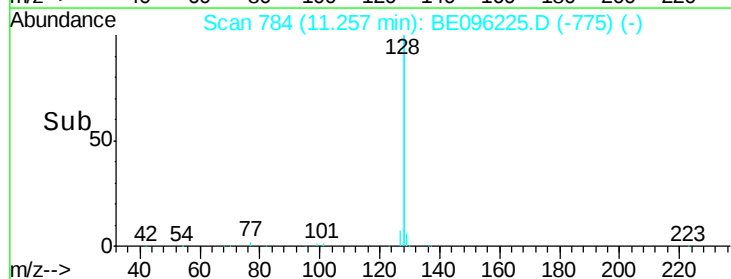
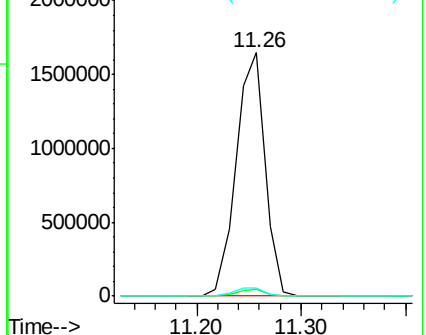
127 3.4 2.8 4.2

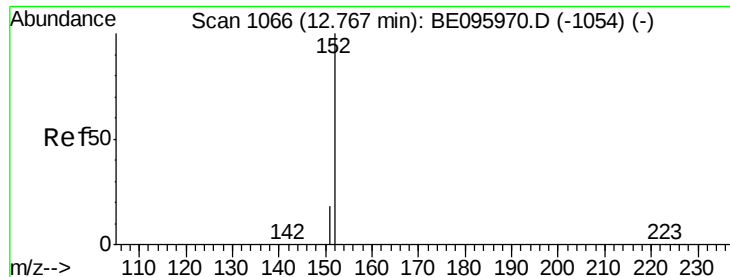


Abundance Ion 128.00 (127.70 to 128.70): BE095970.D (-779) (-)

Ion 129.00 (128.70 to 129.70): BE095970.D (-779) (-)

Ion 127.00 (126.70 to 127.70): BE095970.D (-779) (-)

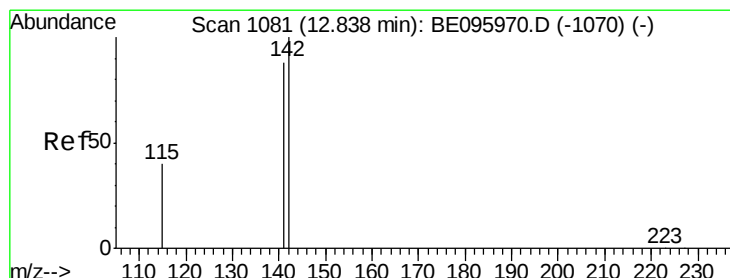
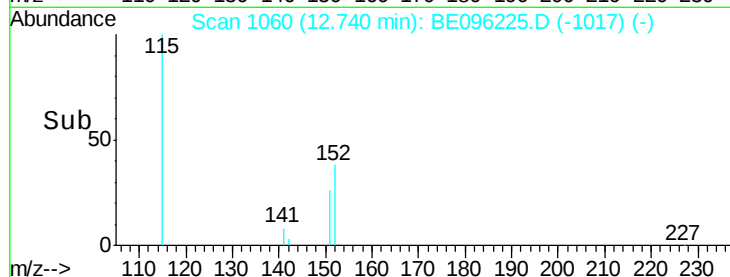
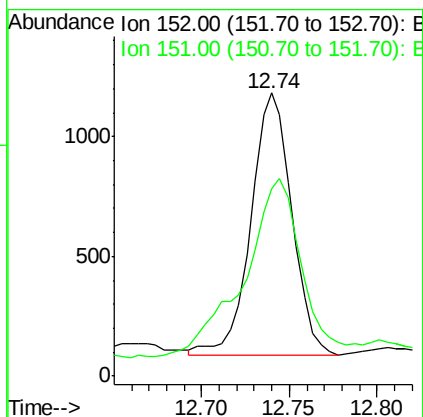
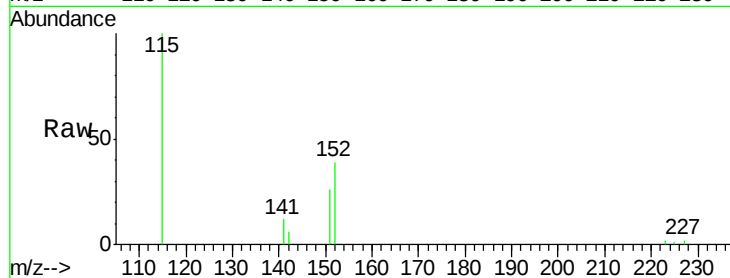




#11
 2-Methylnaphthalene-d10
 Concen: 0.397 ng
 RT: 12.74 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

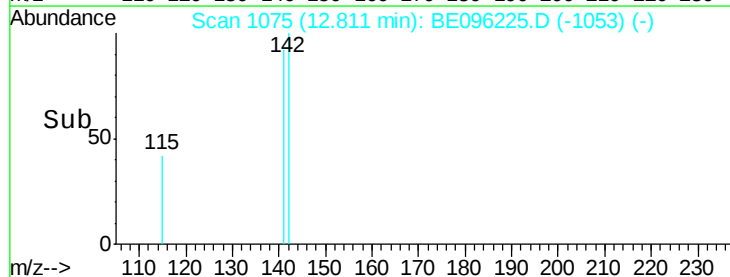
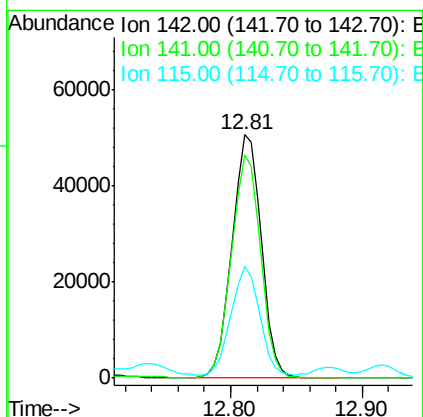
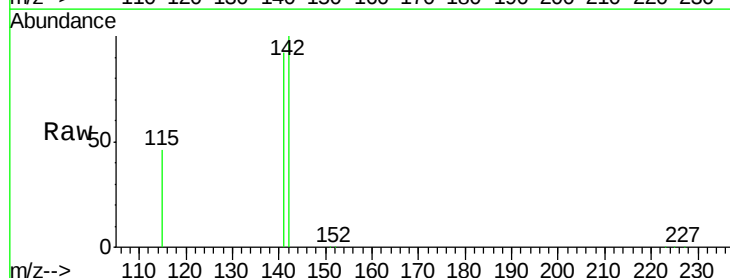
Instrument :
 BNA_E
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 LF001MW001-180418RE

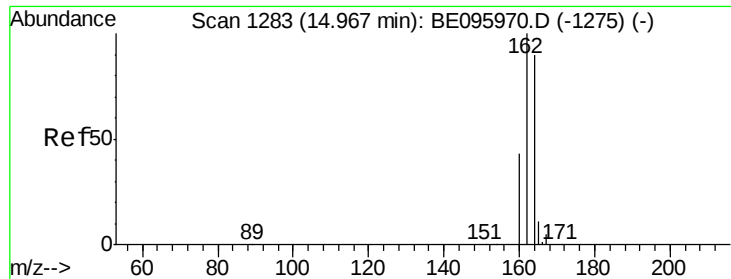
Tot Ion:152 Resp: 1782
 Ion Ratio Lower Upper
 152 100
 151 97.8 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 15.643 ng
 RT: 12.81 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Tgt Ion:142 Resp: 77383
 Ion Ratio Lower Upper
 142 100
 141 91.8 70.4 105.6
 115 45.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

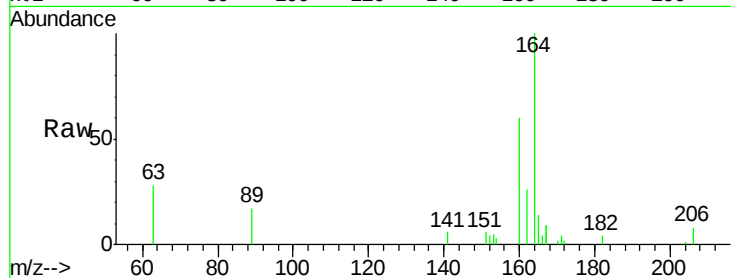
Tot Ion:164 Resp: 8993

Ion Ratio Lower Upper

164 100

162 26.3 83.1 124.7#

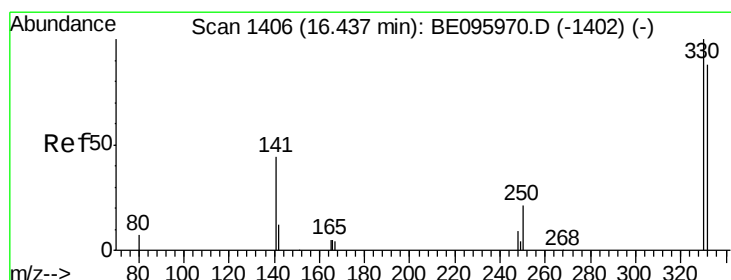
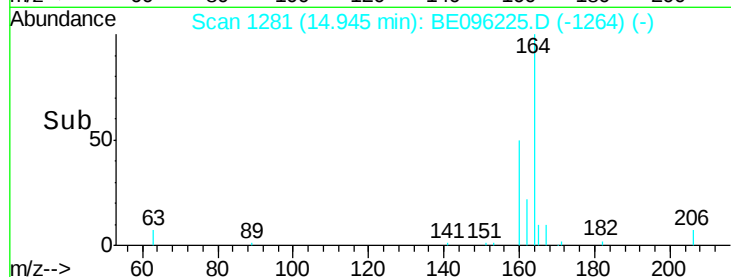
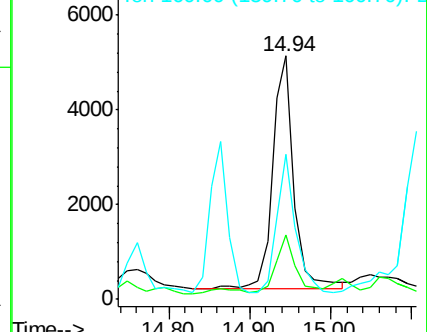
160 59.7 37.1 55.7#



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: 0.086 ng

RT: 16.43 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

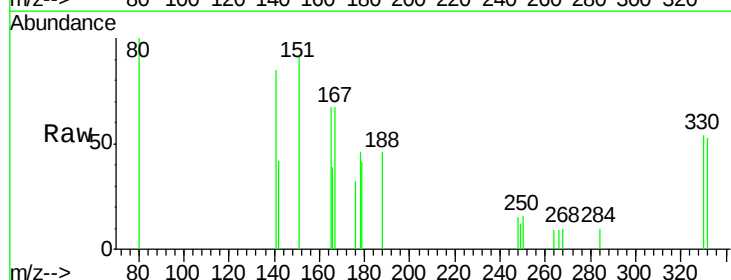
Tgt Ion:330 Resp: 372

Ion Ratio Lower Upper

330 100

332 93.0 152.7 229.1#

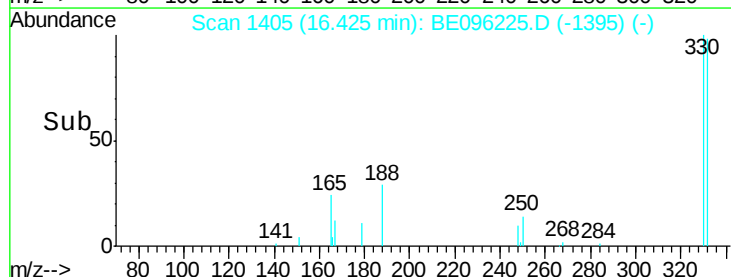
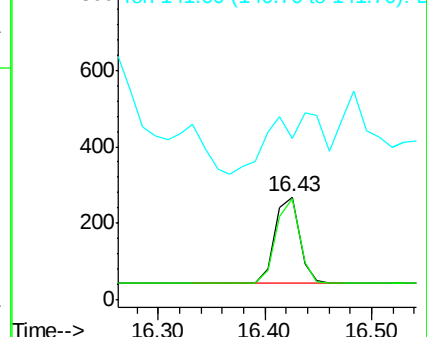
141 78.2 33.7 50.5#

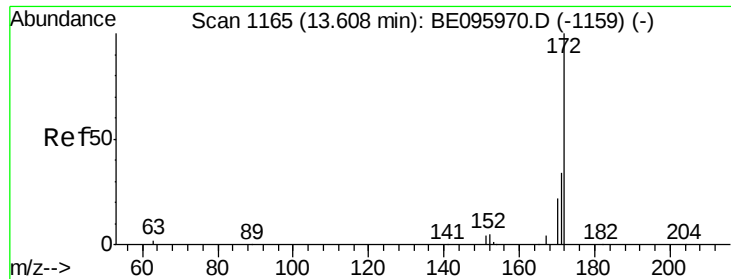


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

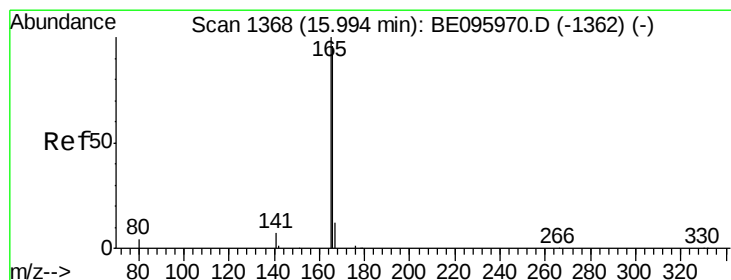
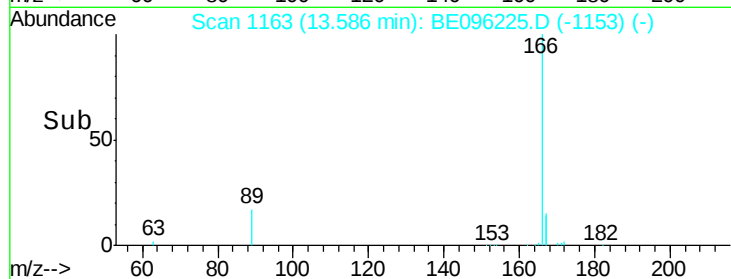
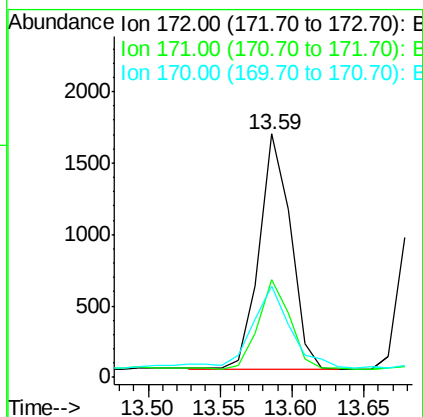
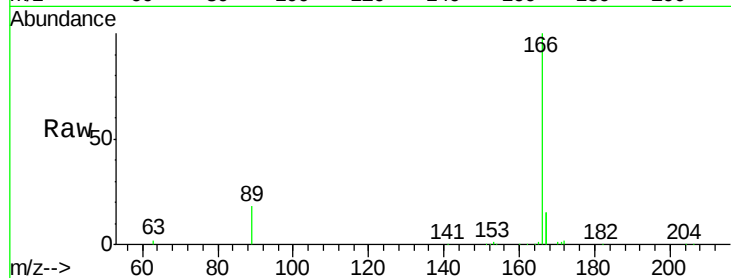




#15
2-Fluorobiphenyl
Concen: 0.065 ng
RT: 13.59 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BE096225.D
Acq: 30 Apr 2018 17:09

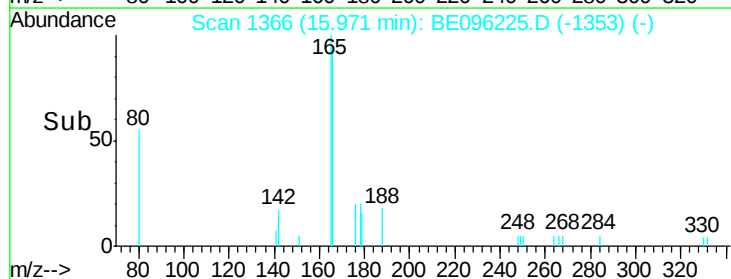
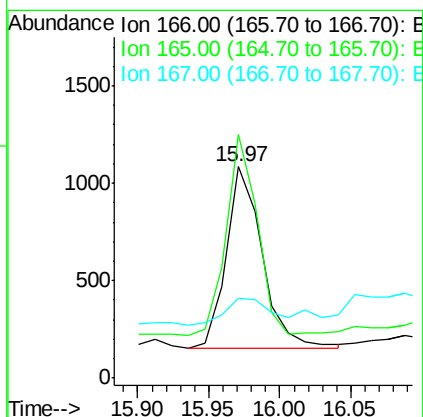
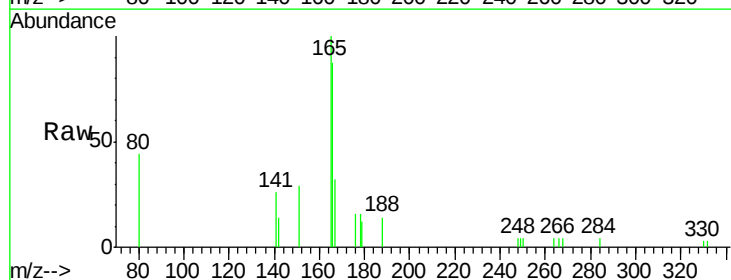
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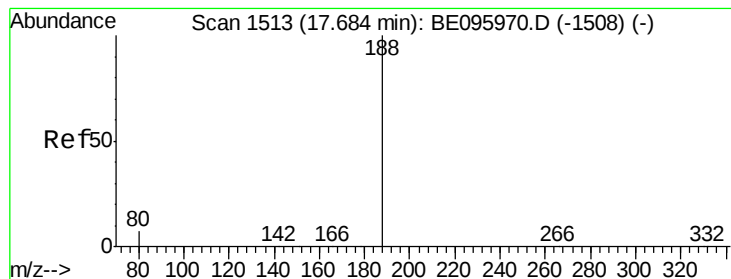
Tot Ion:172 Resp: 2499
Ion Ratio Lower Upper
172 100
171 40.0 29.9 44.9
170 37.5 21.8 32.8#



#18
Fluorene
Concen: 0.046 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096225.D
Acq: 30 Apr 2018 17:09

Tgt Ion:166 Resp: 1660
Ion Ratio Lower Upper
166 100
165 94.5 77.8 116.6
167 18.0 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

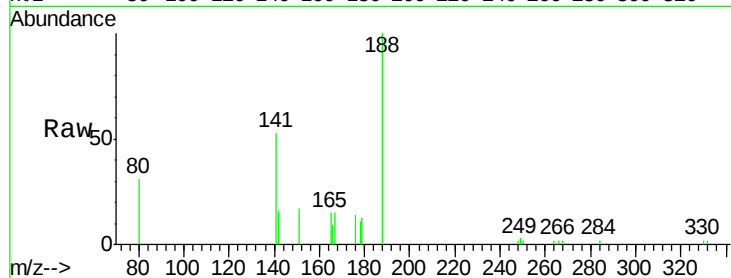
Tot Ion:188 Resp: 3809

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

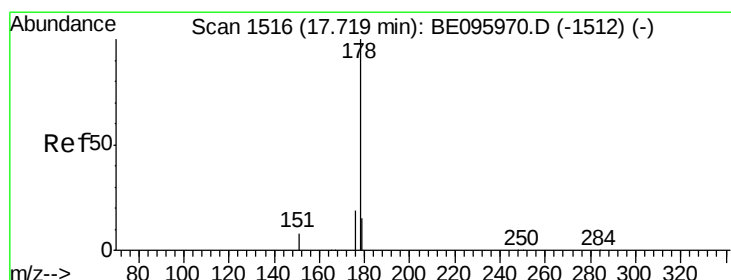
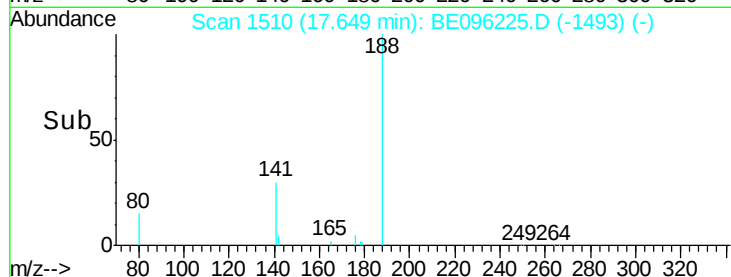
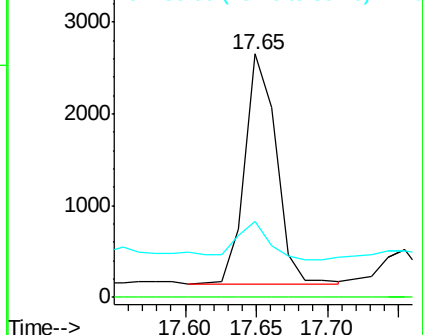
80 31.2 3.6 5.4#



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



#23

Phenanthrene

Concen: 0.074 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

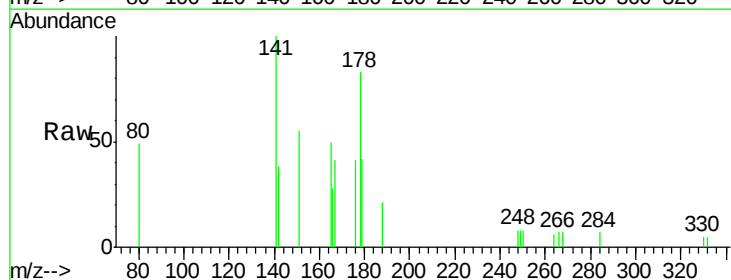
Tgt Ion:178 Resp: 792

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

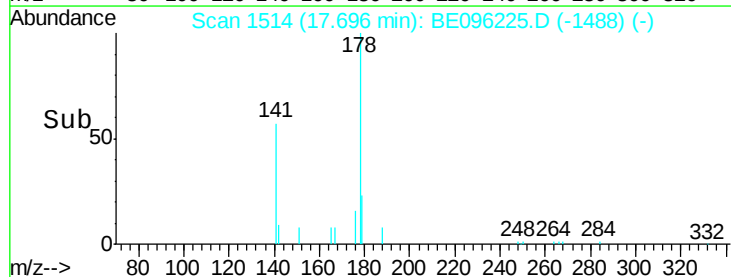
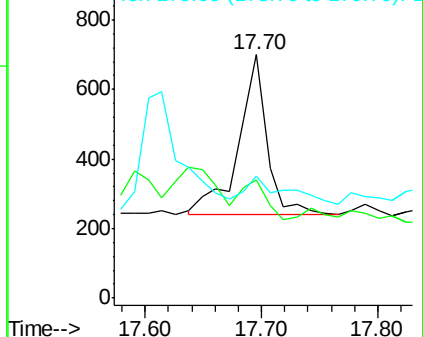
179 0.0 11.8 17.6#

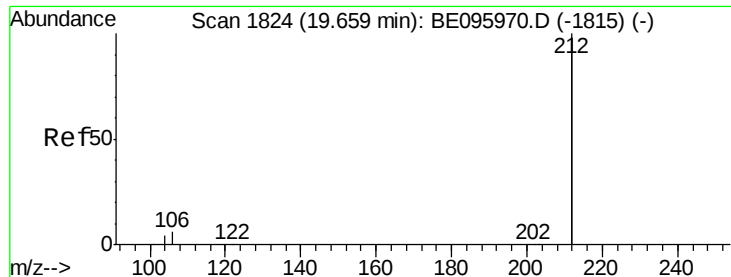


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

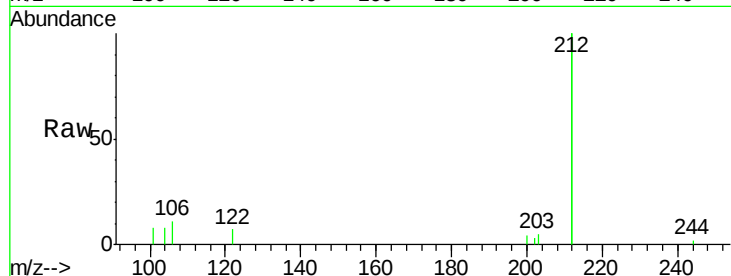
Tot Ion:212 Resp: 17804

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

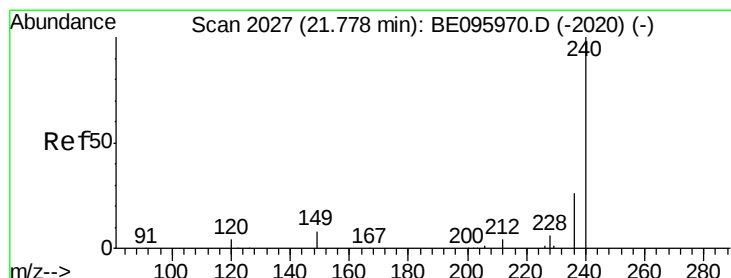
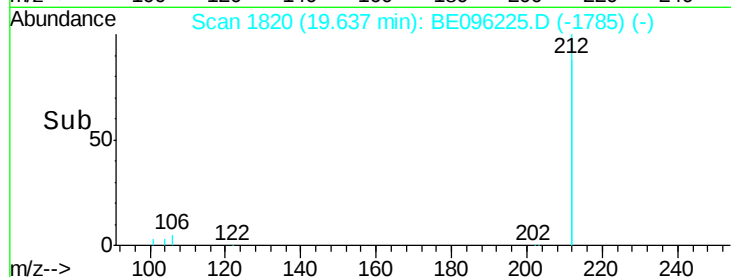
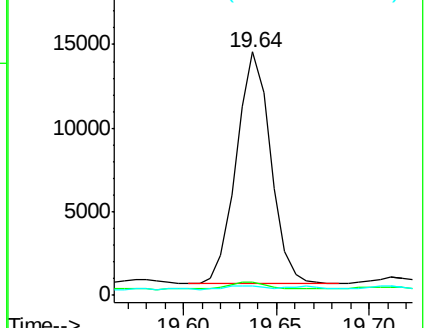
104 1.8 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

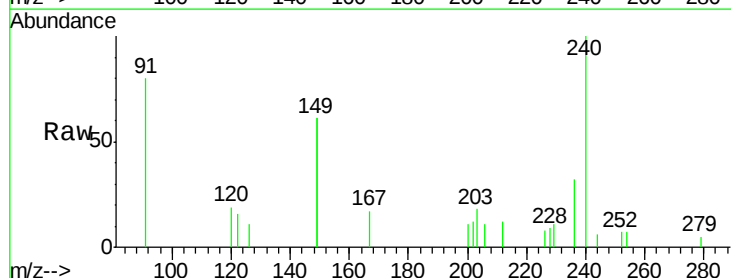
Tgt Ion:240 Resp: 4049

Ion Ratio Lower Upper

240 100

120 19.0 5.5 8.3#

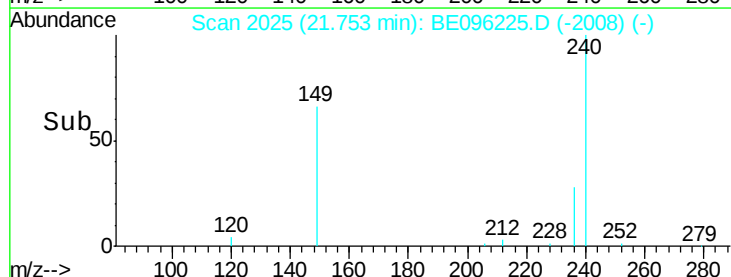
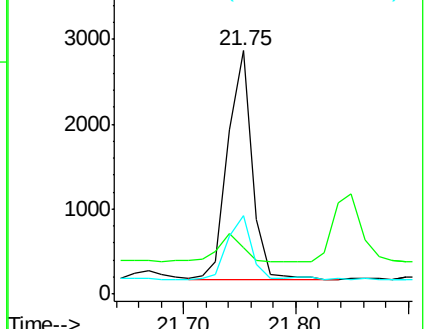
236 32.0 20.7 31.1#

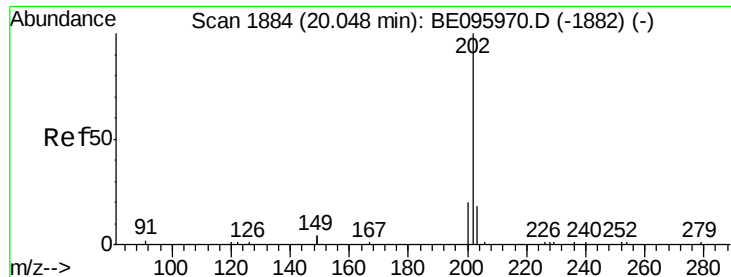


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.061 ng

RT: 19.98 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418RE

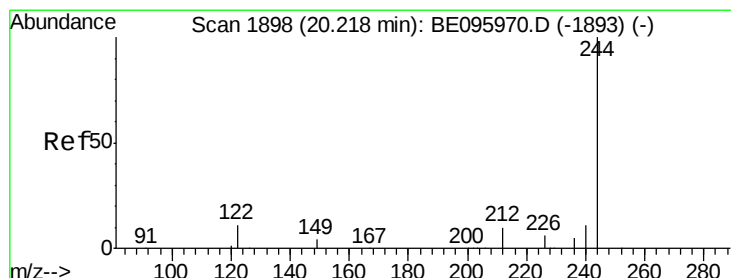
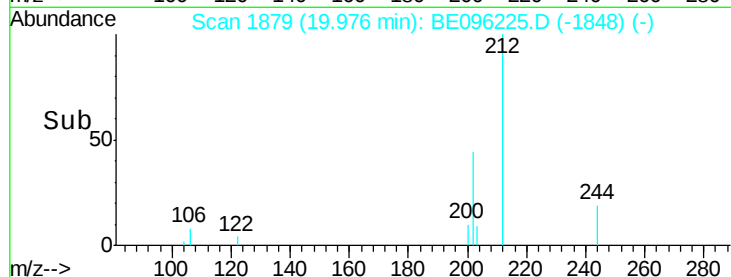
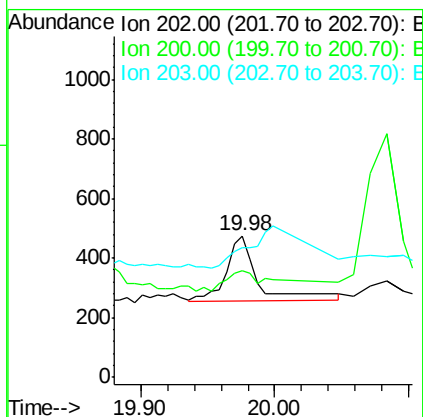
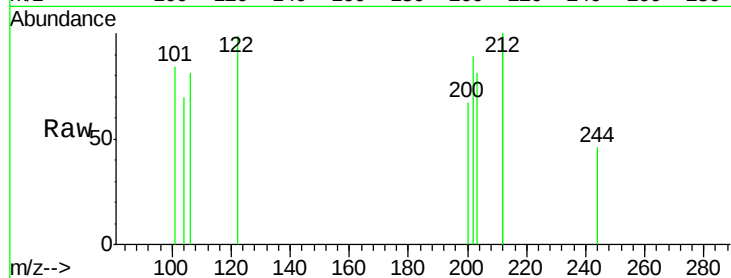
Tot Ion:202 Resp: 484

Ion Ratio Lower Upper

202 100

200 27.1 16.6 25.0#

203 0.0 13.8 20.8#



#29

Terphenyl-d14

Concen: 0.290 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096225.D

Acq: 30 Apr 2018 17:09

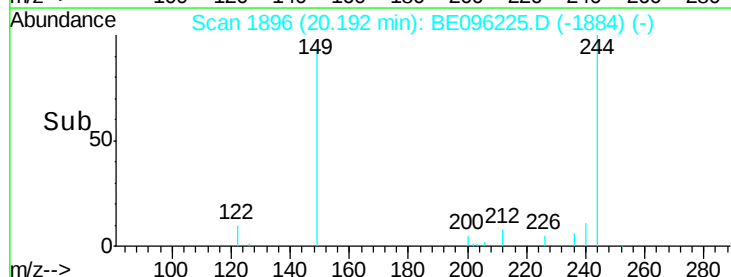
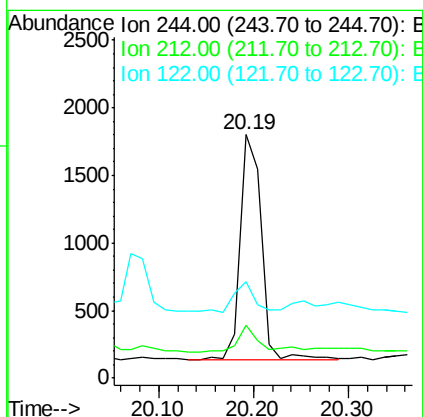
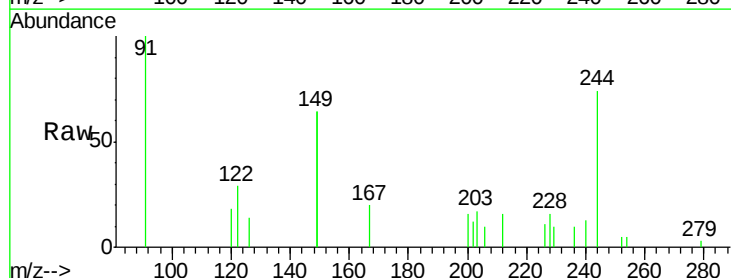
Tgt Ion:244 Resp: 2595

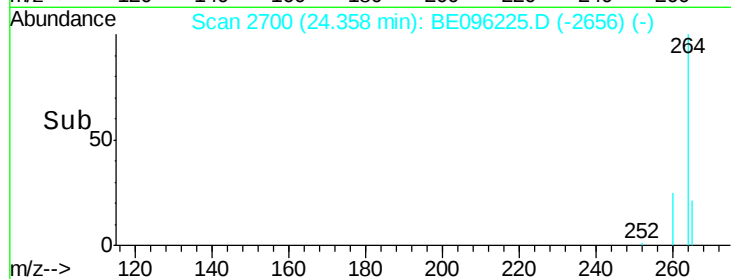
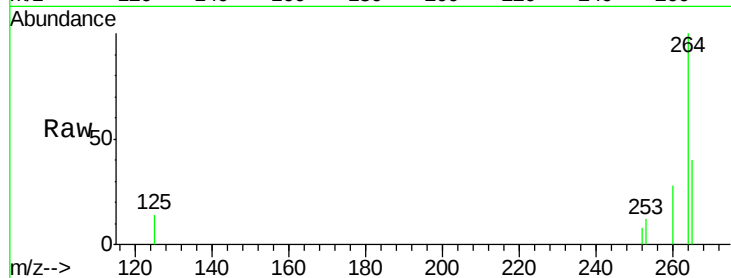
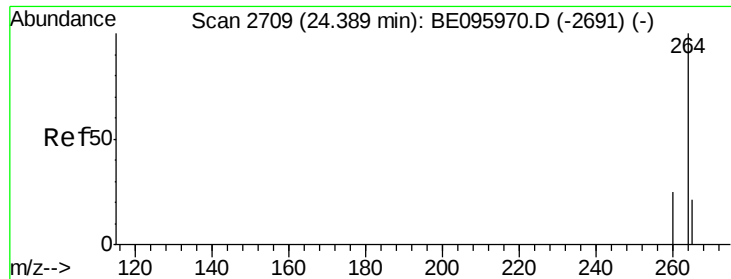
Ion Ratio Lower Upper

244 100

212 22.0 25.4 38.0#

122 39.7 8.1 12.1#





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.36 min Scan# 2700
 Delta R.T. 0.01 min
 Lab File: BE096225.D
 Acq: 30 Apr 2018 17:09

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418RE

Tot Ion: 264 Resp: 3854
 Ion Ratio Lower Upper
 264 100
 260 28.3 20.5 30.7
 265 39.7 22.8 34.2#

