

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095743.D
 Acq On : 13 Mar 2018 00:08
 Operator : SJ/JU
 Sample : J1867-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013072

Quant Time: Mar 13 10:49:01 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	1460	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5669	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	4120	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7268	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7369	0.40	ng	0.00
34) Perylene-d12	24.42	264	6935	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	654	0.17	ng	0.00
5) Phenol-d6	7.56	99	617	0.12	ng	0.00
8) Nitrobenzene-d5	9.61	82	2364	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3187	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	596	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	6547	0.36	ng	0.00
25) Fluoranthene-d10	19.68	212	32980	0.35	ng	0.00
29) Terphenyl-d14	20.24	244	7964	0.54	ng	-0.01

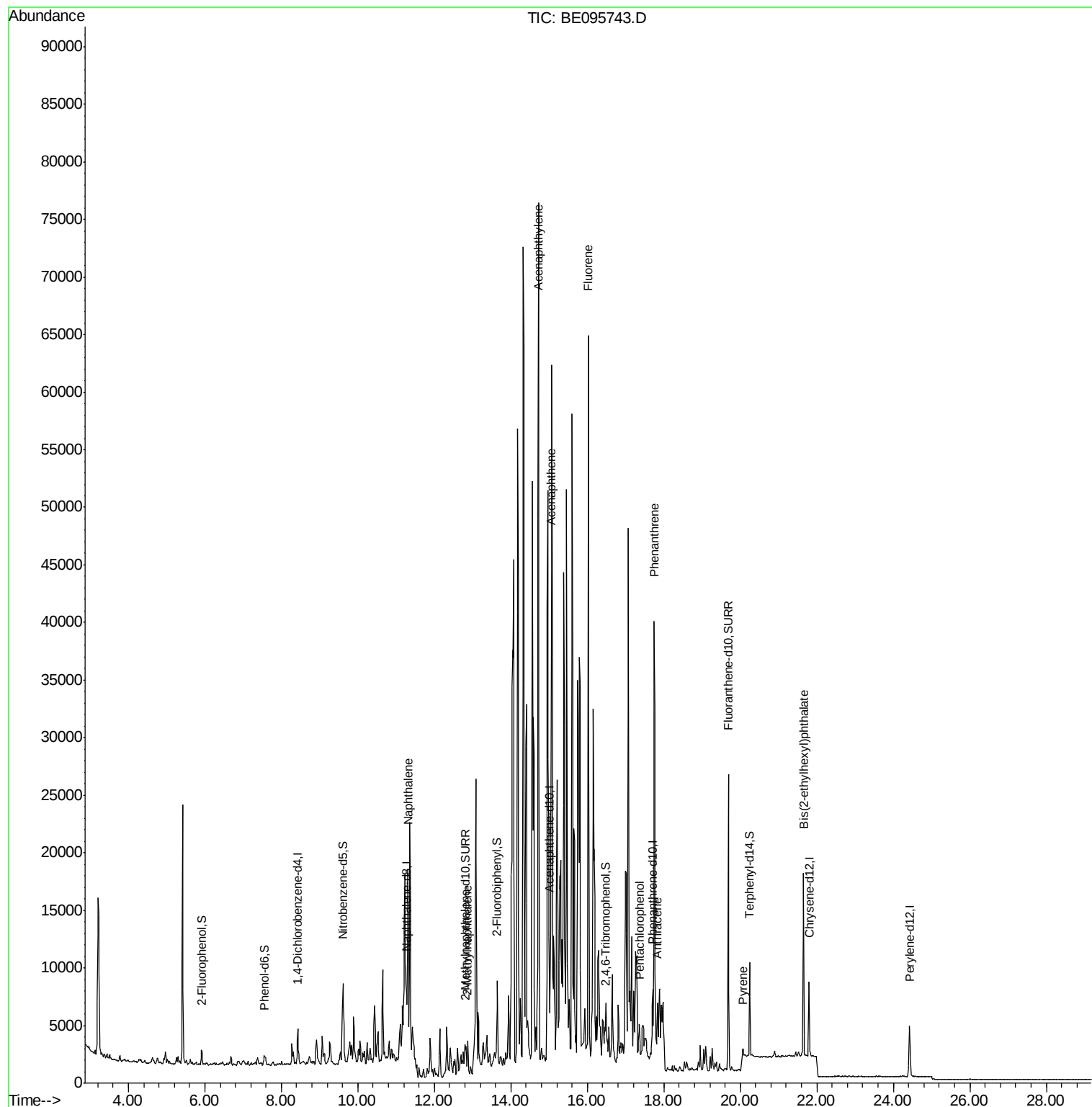
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.31	128	20752	0.318	ng	# 80
12) 2-Methylnaphthalene	12.87	142	2044	0.181	ng	# 81
16) Acenaphthylene	14.73	152	10141	0.438	ng	# 1
17) Acenaphthene	15.06	154	16496	1.135	ng	# 72
18) Fluorene	16.03	166	42319	2.348	ng	# 80
22) Pentachlorophenol	17.36	266	32	0.197	ng	97
23) Phenanthrene	17.74	178	41642	1.833	ng	# 93
24) Anthracene	17.84	178	3781	0.181	ng	# 78
28) Pyrene	20.06	202	834	0.028	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.66	149	20150	0.474	ng	97

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.43 min Scan# 569

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

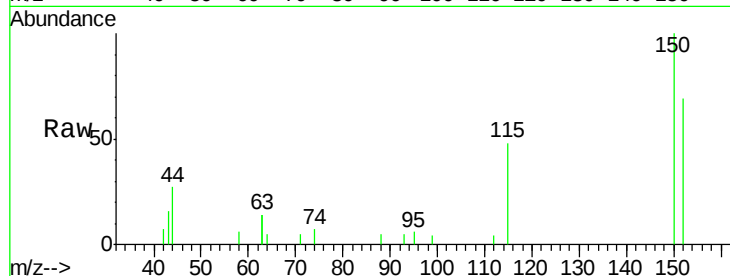
Tot Ion:152 Resp: 1460

Ion Ratio Lower Upper

152 100

150 144.2 117.2 175.8

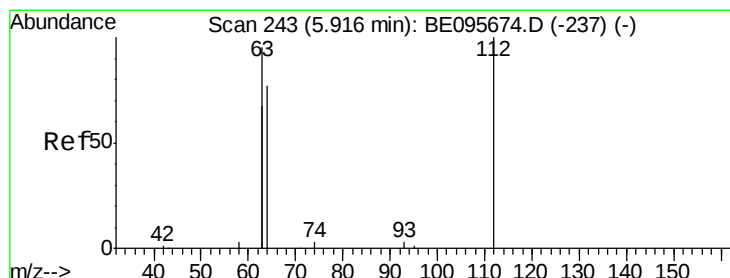
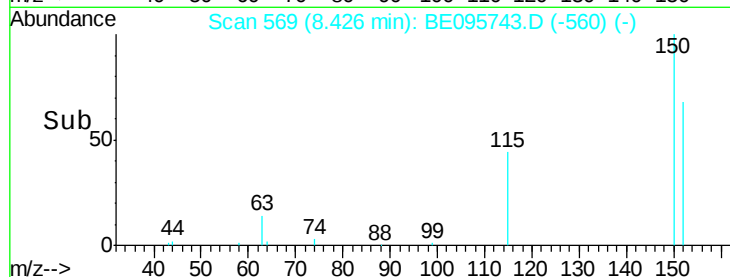
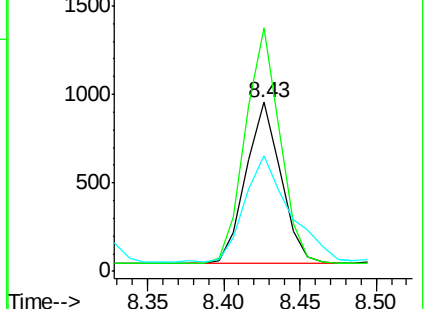
115 68.9 57.0 85.6



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: 0.170 ng

RT: 5.92 min Scan# 313

Delta R.T. 0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

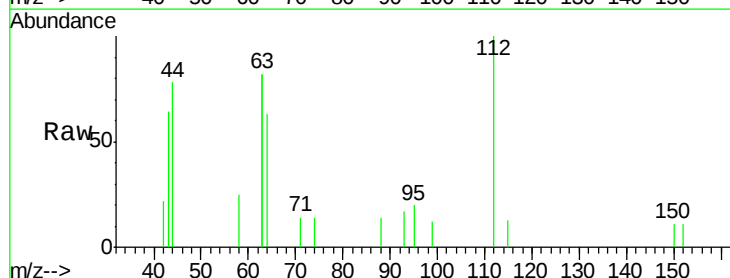
Tgt Ion:112 Resp: 654

Ion Ratio Lower Upper

112 100

64 69.7 60.1 90.1

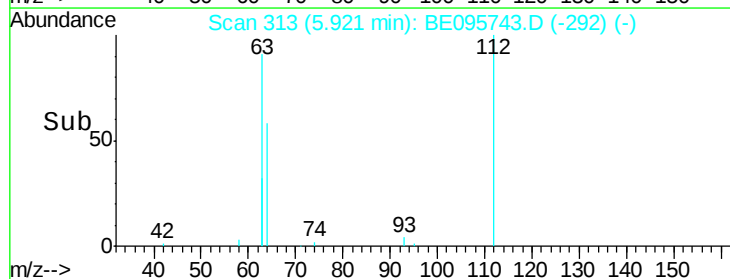
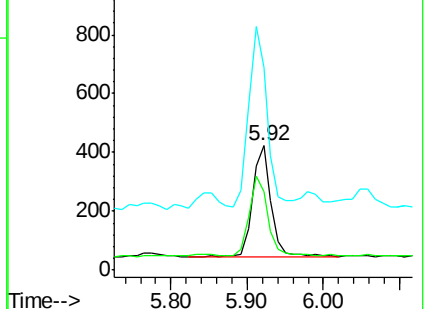
63 153.1 116.8 175.2

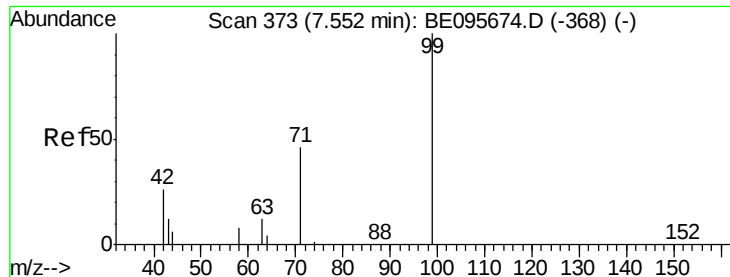


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.116 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampled :

C19013072

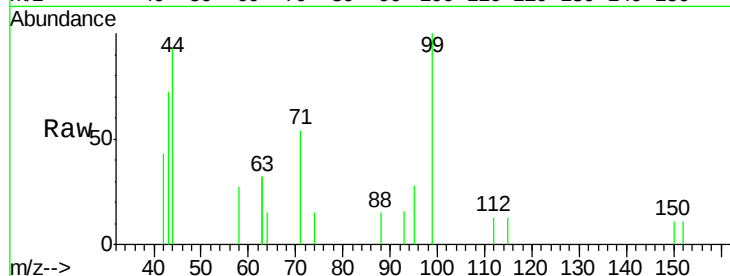
Tot Ion: 99 Resp: 617

Ion Ratio Lower Upper

99 100

42 40.8 20.2 30.2#

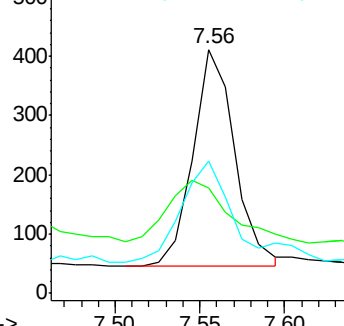
71 60.8 28.4 42.6#



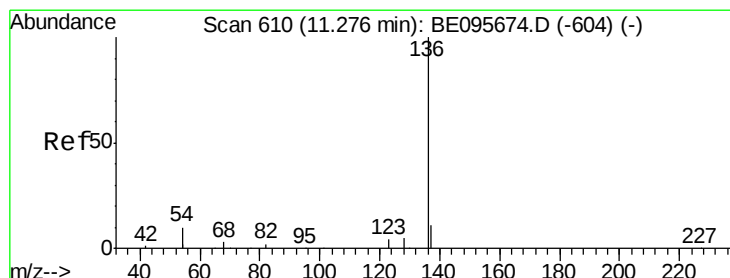
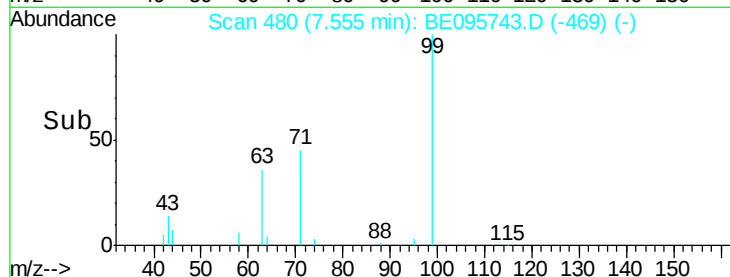
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Tgt Ion:136 Resp: 5669

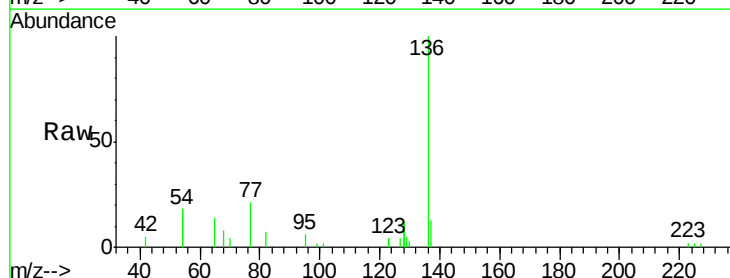
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 35.1 29.1 43.7

68 7.7 6.2 9.2

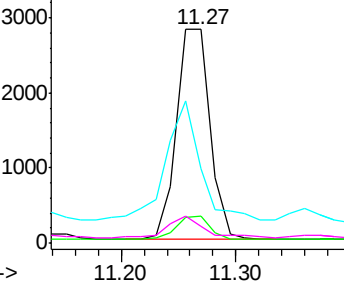


Abundance Ion 136.00 (135.70 to 136.70): E

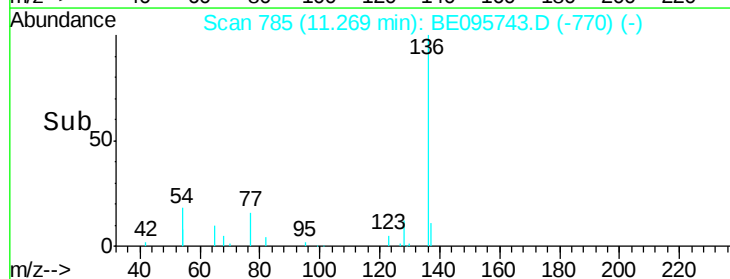
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.405 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

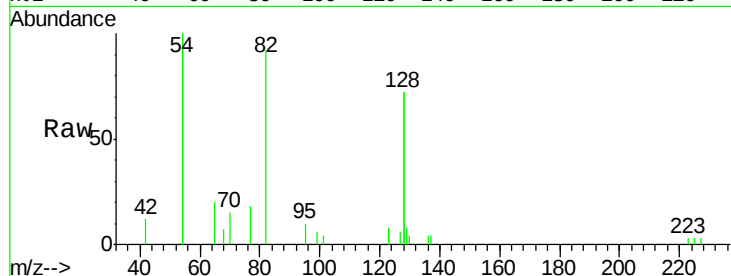
Tot Ion: 82 Resp: 2364

Ion Ratio Lower Upper

82 100

128 156.6 150.0 225.0

54 217.5 154.2 231.4



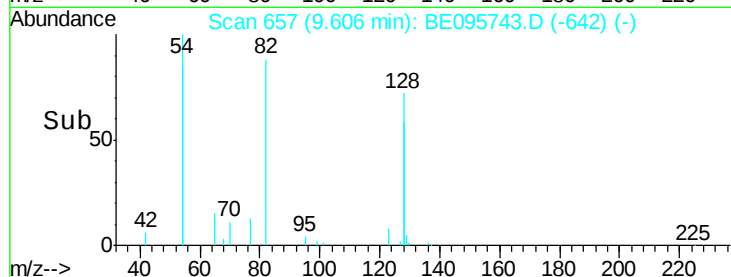
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

9.61

Time-->



Abundance

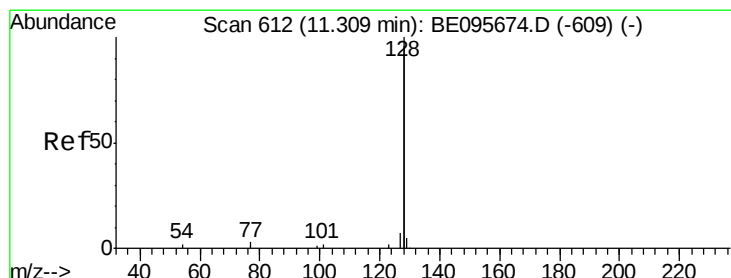
Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

9.61

Time-->



#9

Naphthalene

Concen: 0.318 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

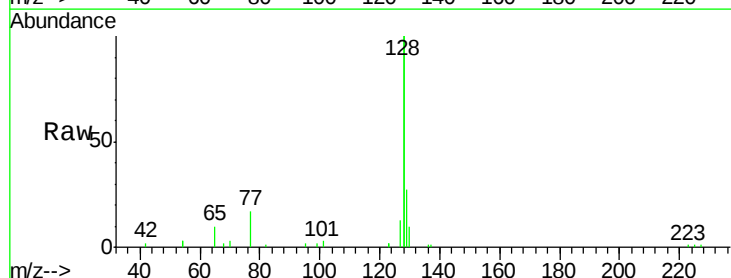
Tgt Ion: 128 Resp: 20752

Ion Ratio Lower Upper

128 100

129 13.7 2.6 3.8#

127 6.4 2.8 4.2#



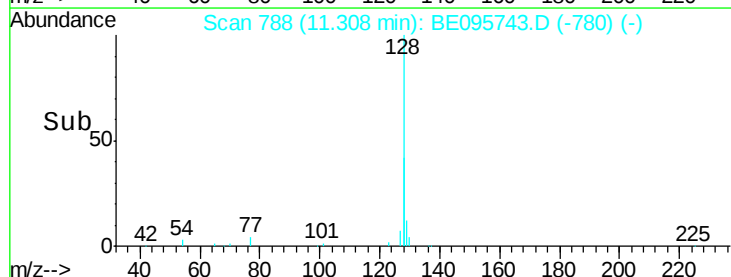
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

11.31

Time-->



Abundance

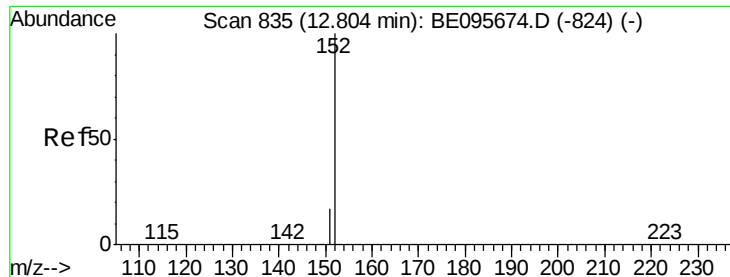
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

11.31

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.336 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

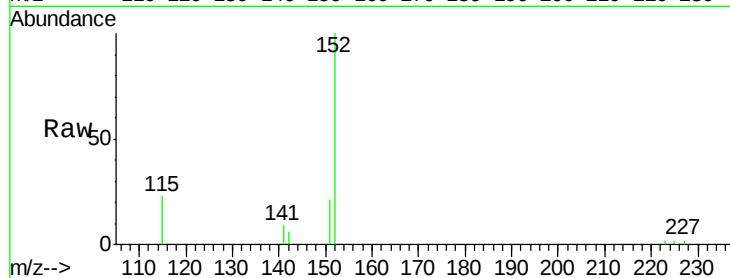
C19013072

Tot Ion:152 Resp: 3187

Ion Ratio Lower Upper

152 100

151 20.1 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

2000

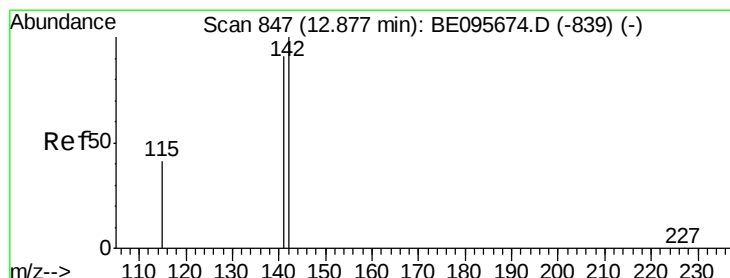
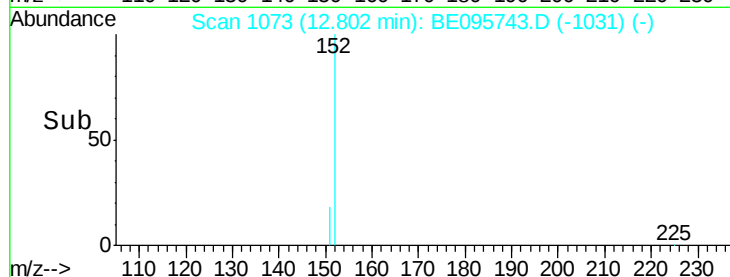
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.181 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

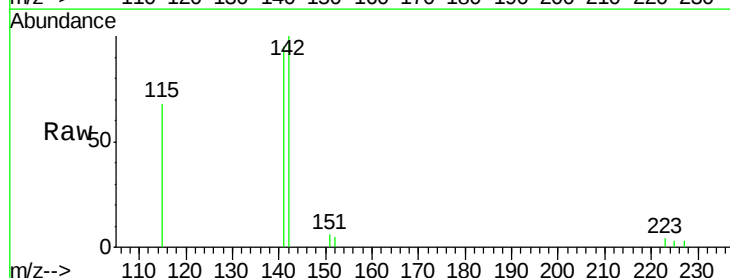
Tgt Ion:142 Resp: 2044

Ion Ratio Lower Upper

142 100

141 94.9 70.4 105.6

115 67.9 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2500

2000

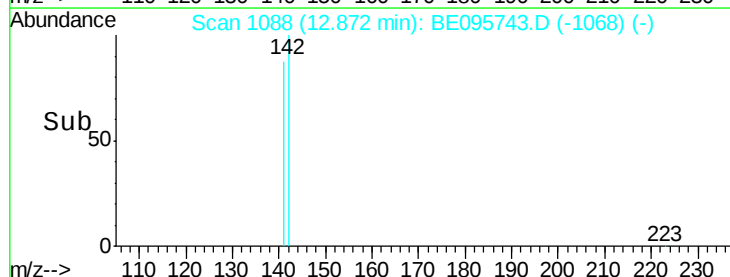
1500

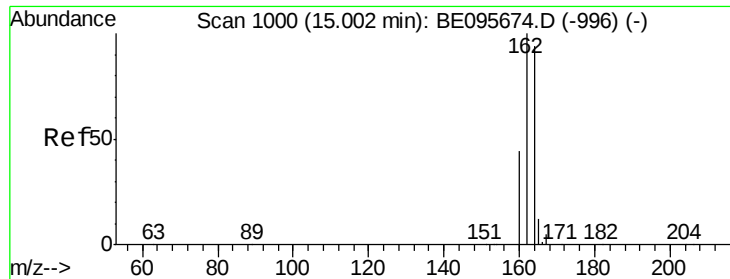
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

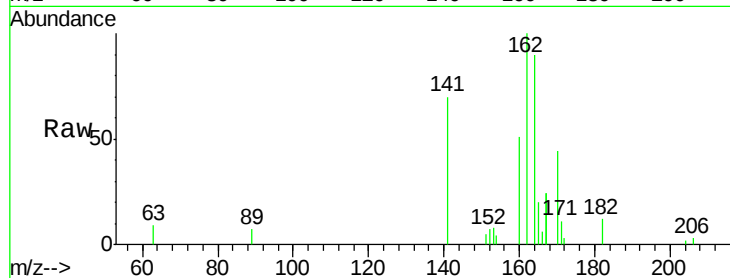
Tot Ion:164 Resp: 4120

Ion Ratio Lower Upper

164 100

162 110.5 83.1 124.7

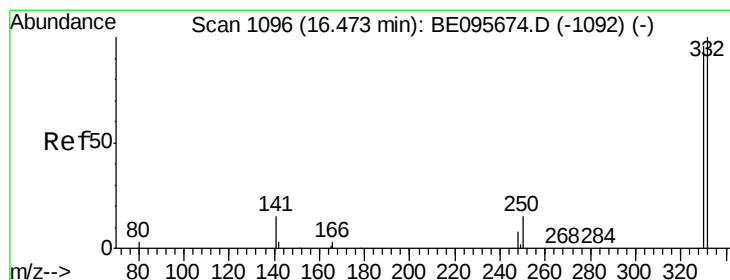
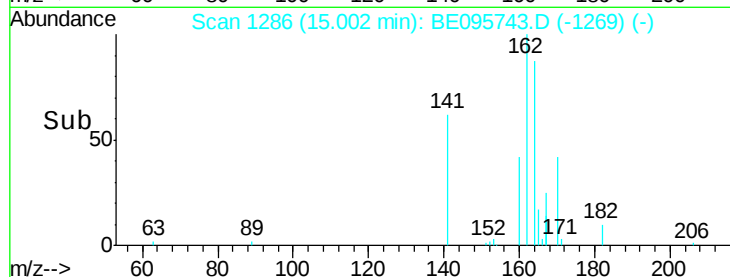
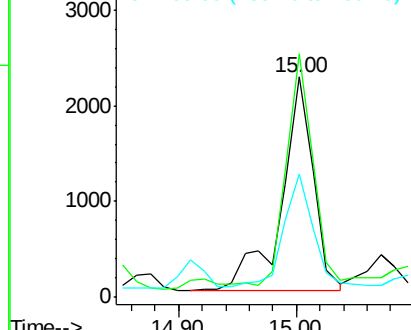
160 55.9 37.1 55.7#



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: 0.418 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

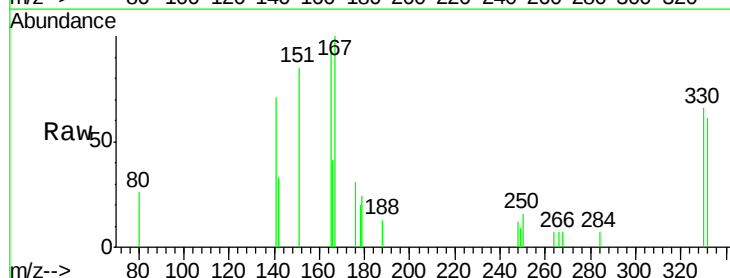
Tgt Ion:330 Resp: 596

Ion Ratio Lower Upper

330 100

332 91.3 152.7 229.1#

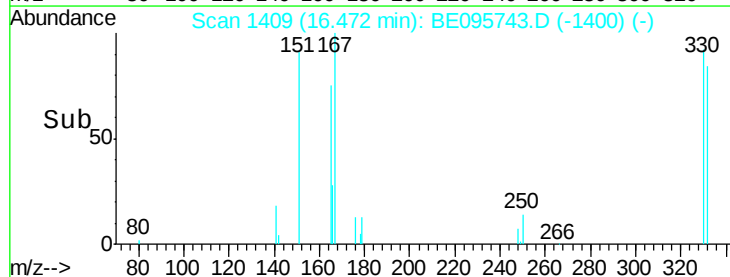
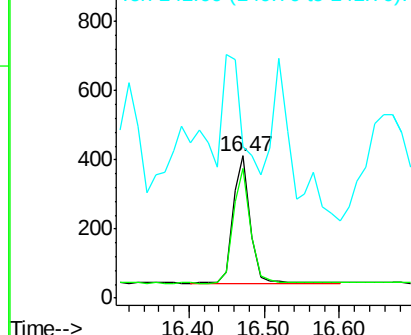
141 0.0 33.7 50.5#

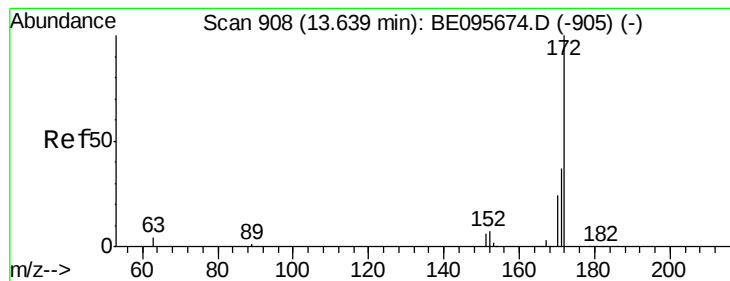


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.356 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

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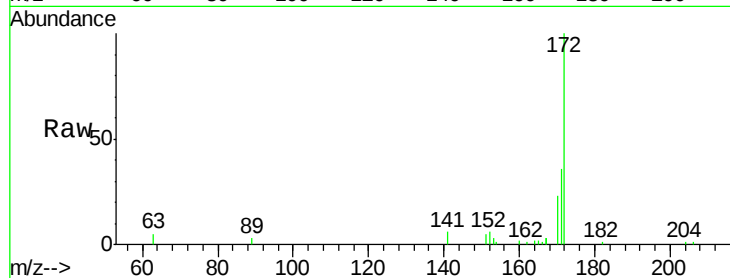
Tot Ion:172 Resp: 6547

Ion Ratio Lower Upper

172 100

171 35.9 29.9 44.9

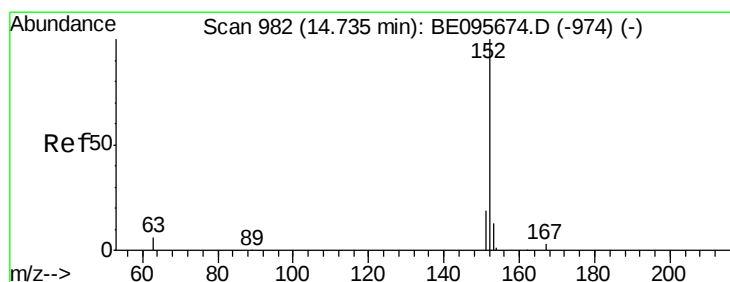
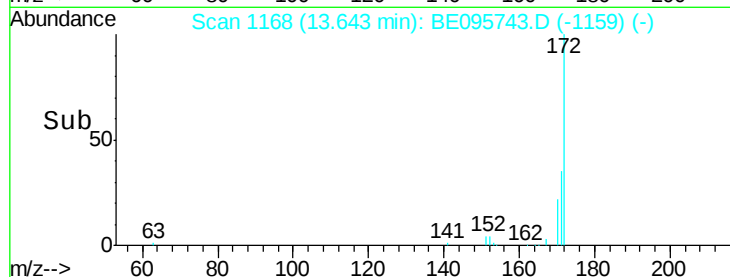
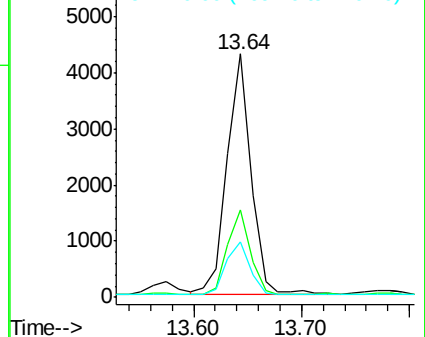
170 22.7 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.438 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

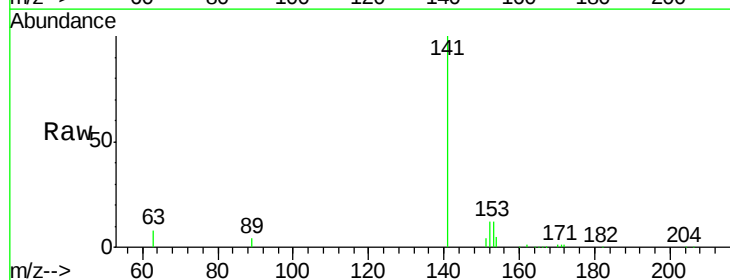
Tgt Ion:152 Resp: 10141

Ion Ratio Lower Upper

152 100

151 31.3 15.7 23.5#

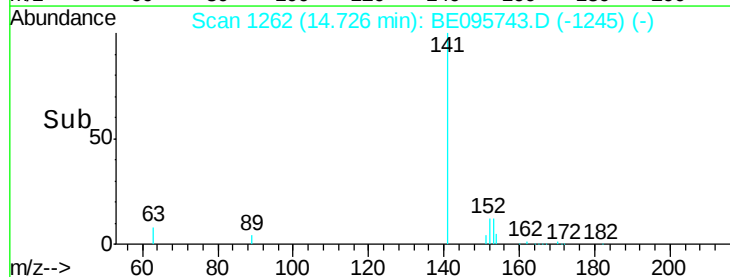
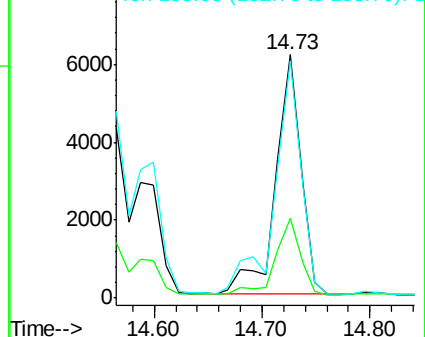
153 100.9 10.5 15.7#

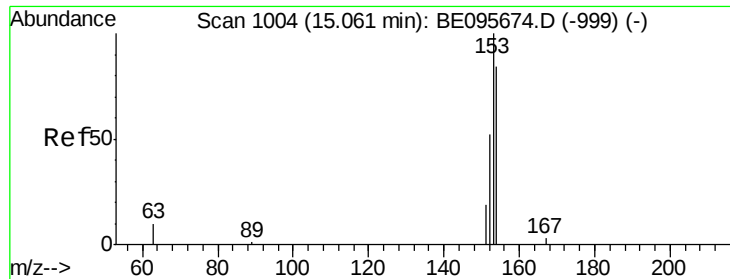


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

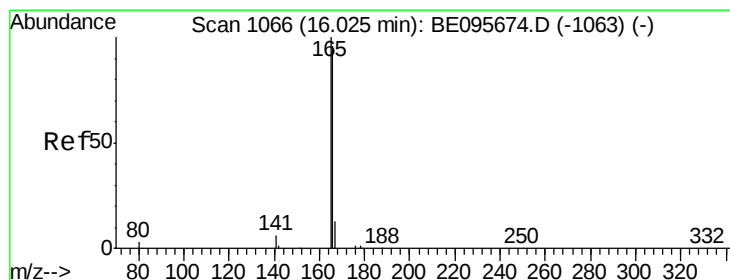
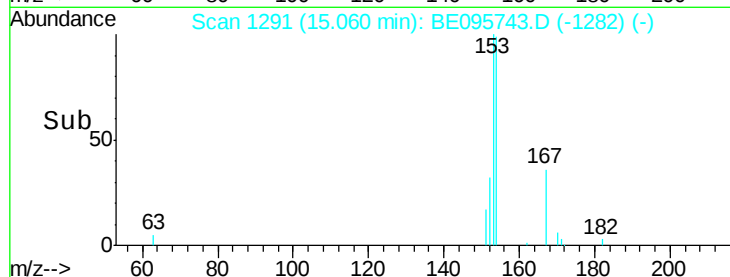
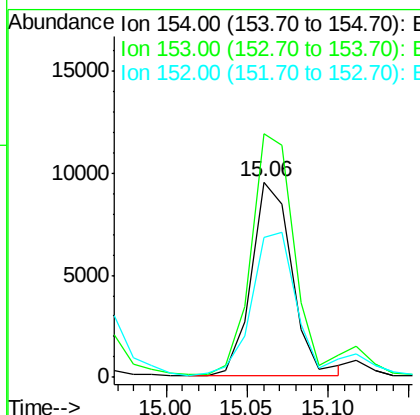
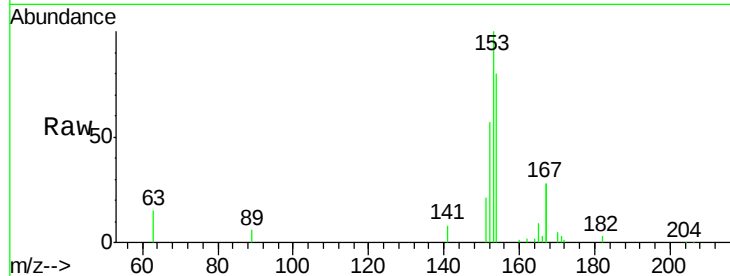




#17
Acenaphthene
Concen: 1.135 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095743.D
Acq: 13 Mar 2018 00:08

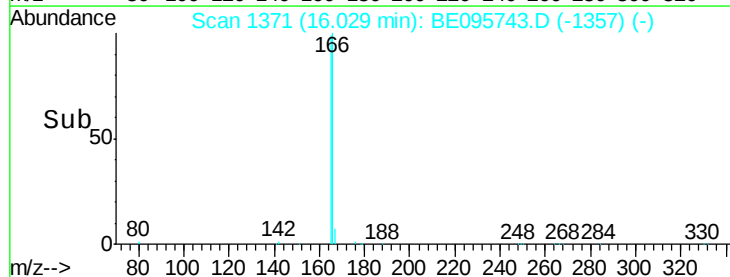
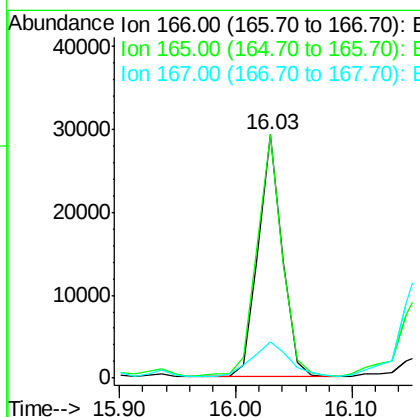
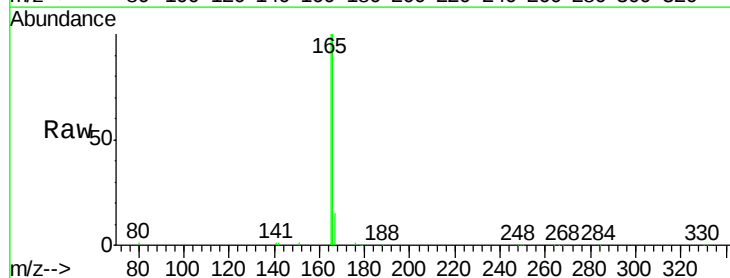
Instrument :
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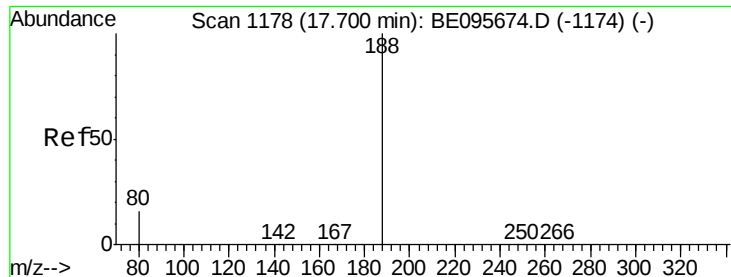
Tot Ion:154 Resp: 16496
Ion Ratio Lower Upper
154 100
153 133.7 89.2 133.8
152 83.0 42.0 63.0#



#18
Fluorene
Concen: 2.348 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095743.D
Acq: 13 Mar 2018 00:08

Tgt Ion:166 Resp: 42319
Ion Ratio Lower Upper
166 100
165 103.9 77.8 116.6
167 22.4 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: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

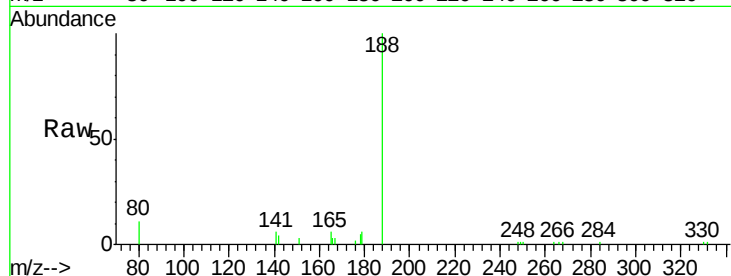
Tot Ion:188 Resp: 7268

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

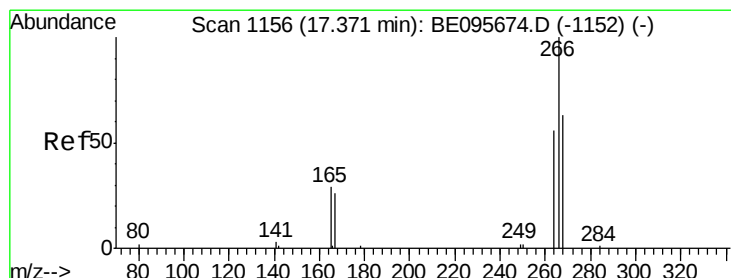
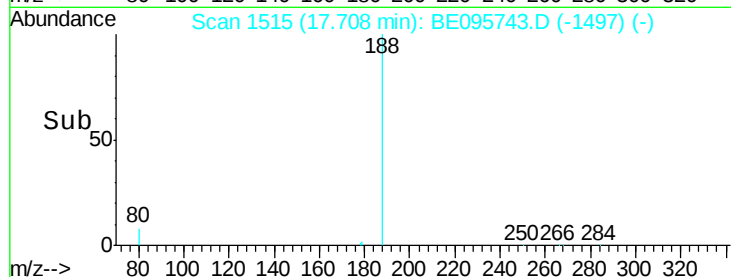
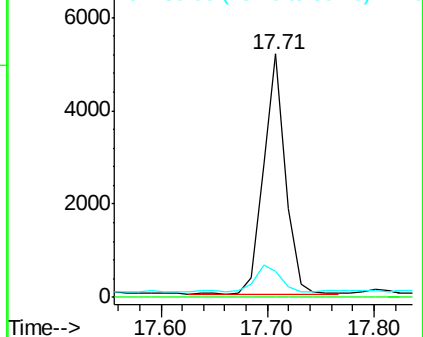
80 10.6 3.6 5.4#



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: 0.197 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

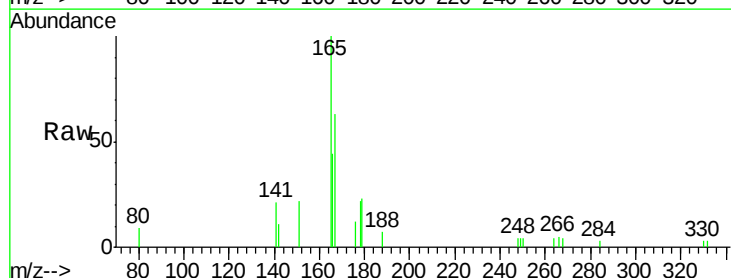
Tgt Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

264 87.5 72.5 108.7

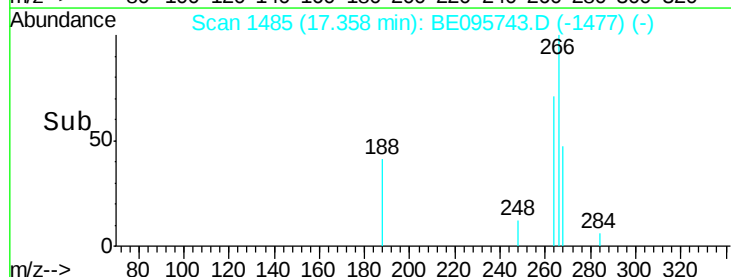
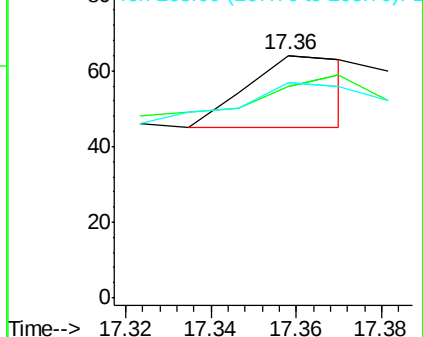
268 89.1 73.8 110.6

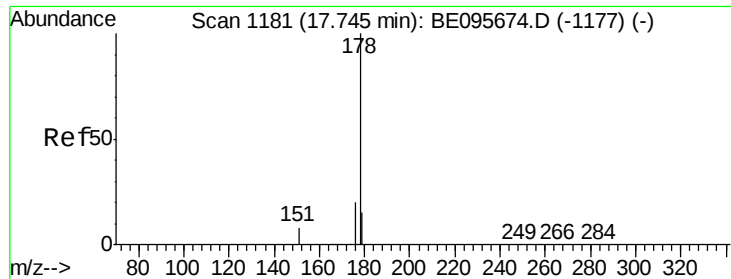


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.833 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

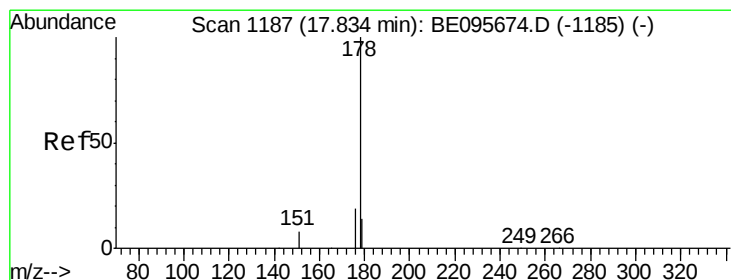
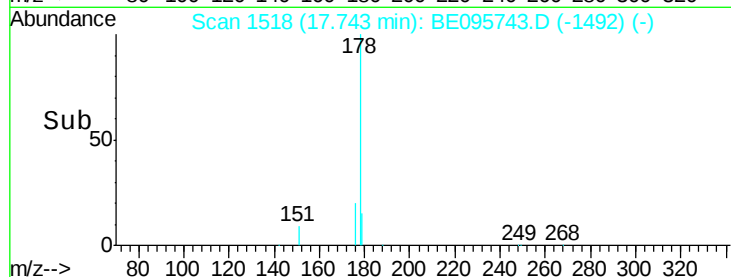
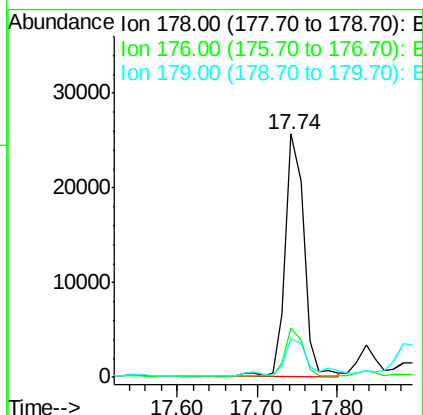
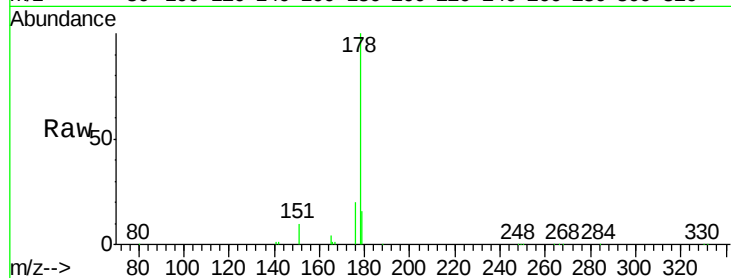
Tot Ion:178 Resp: 41642

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

179 21.0 11.8 17.6#



#24

Anthracene

Concen: 0.181 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

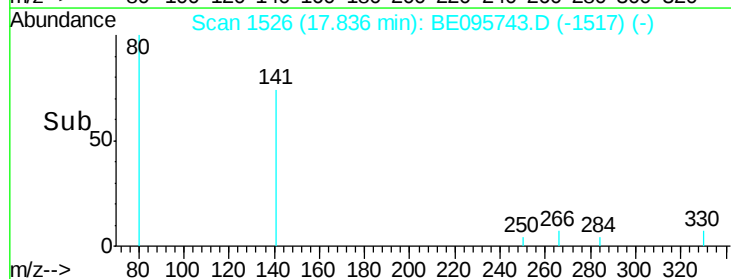
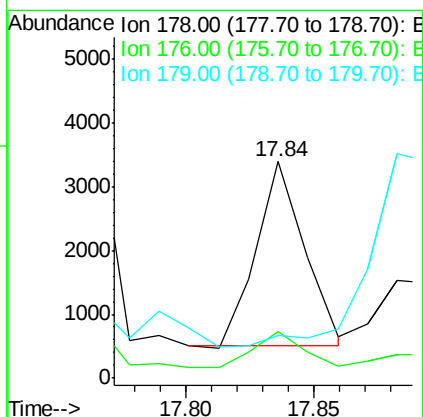
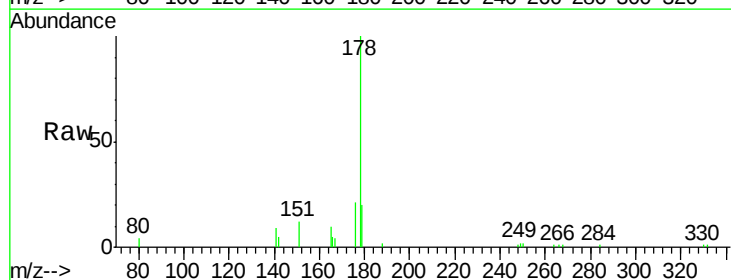
Tgt Ion:178 Resp: 3781

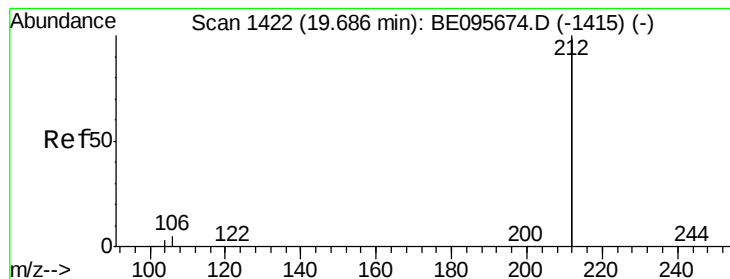
Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

179 0.0 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

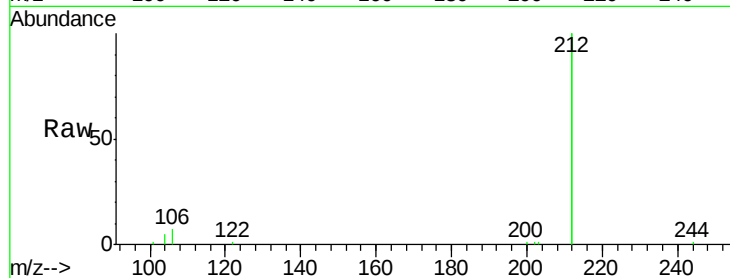
Tot Ion:212 Resp: 32980

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

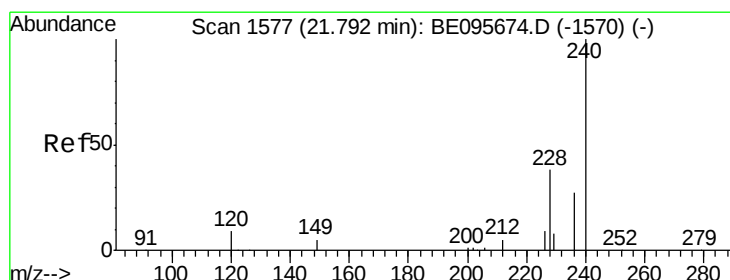
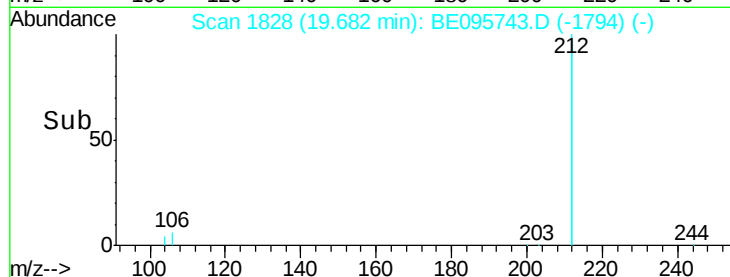
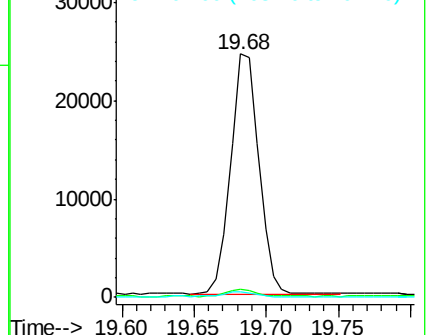
104 2.0 1.6 2.4



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: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

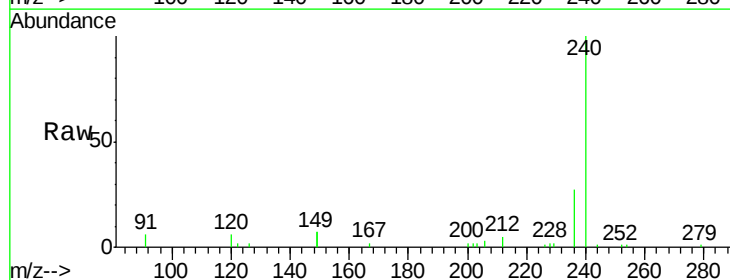
Tgt Ion:240 Resp: 7369

Ion Ratio Lower Upper

240 100

120 6.0 5.5 8.3

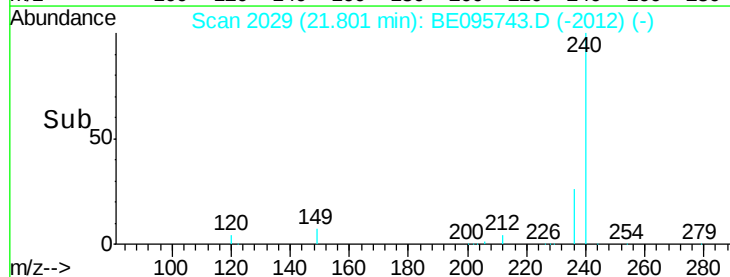
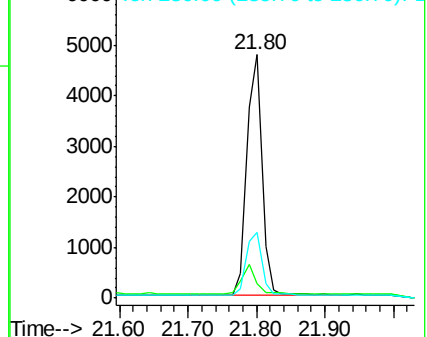
236 26.7 20.7 31.1

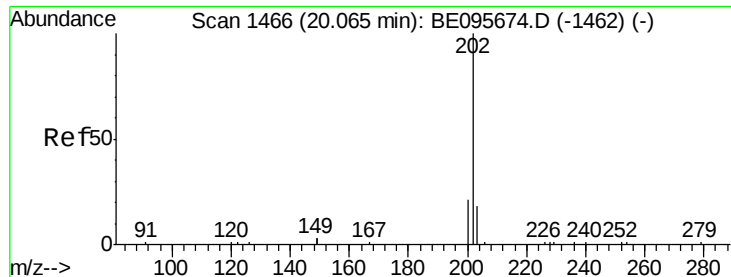


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.028 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

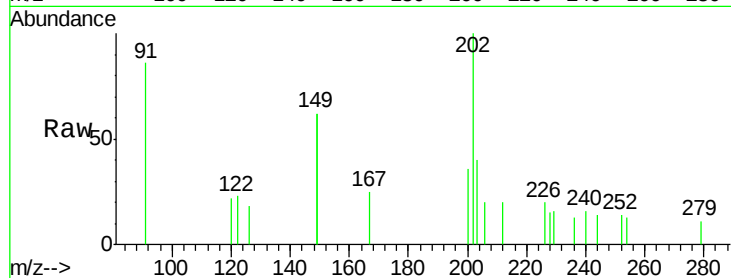
Tot Ion:202 Resp: 834

Ion Ratio Lower Upper

202 100

200 24.8 16.6 25.0

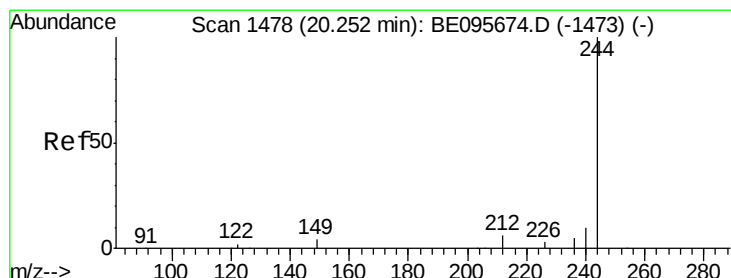
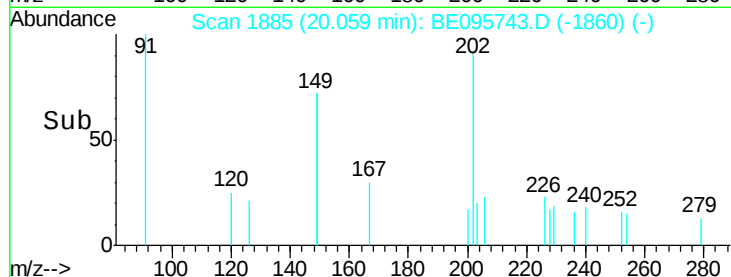
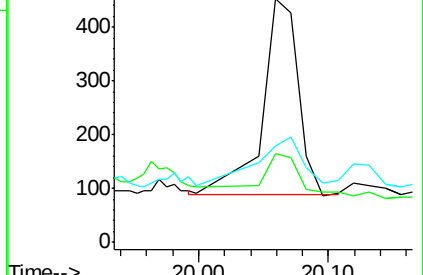
203 33.8 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.542 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

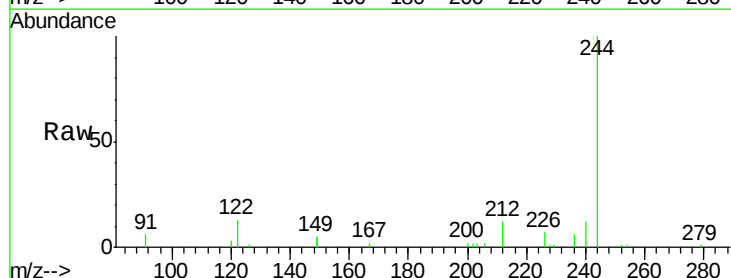
Tgt Ion:244 Resp: 7964

Ion Ratio Lower Upper

244 100

212 12.0 25.4 38.0#

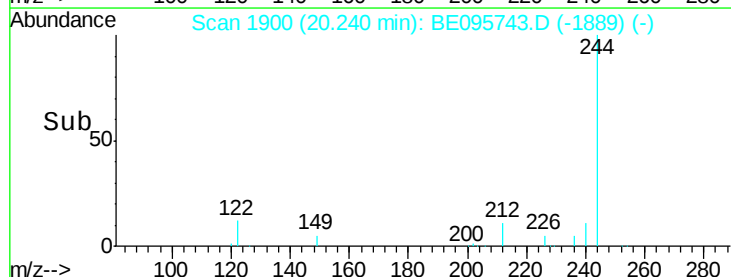
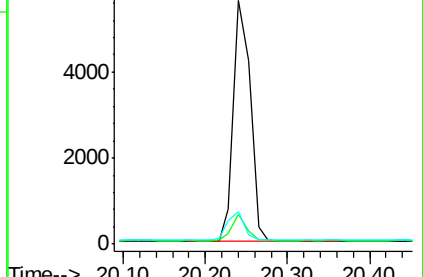
122 13.5 8.1 12.1#

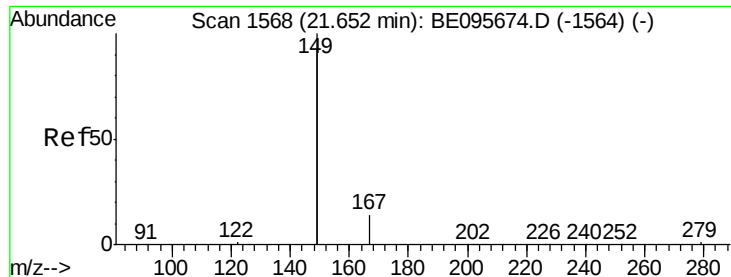


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.474 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

Instrument :

BNA_E

ClientSampleId :

C19013072

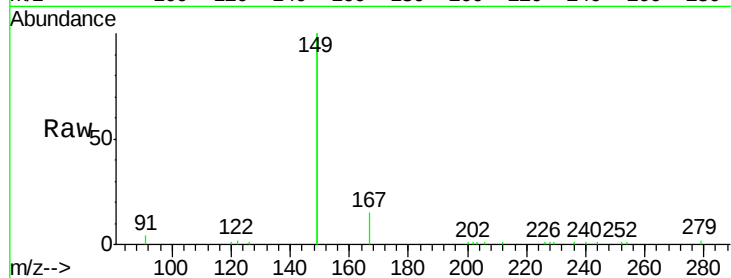
Tot Ion:149 Resp: 20150

Ion Ratio Lower Upper

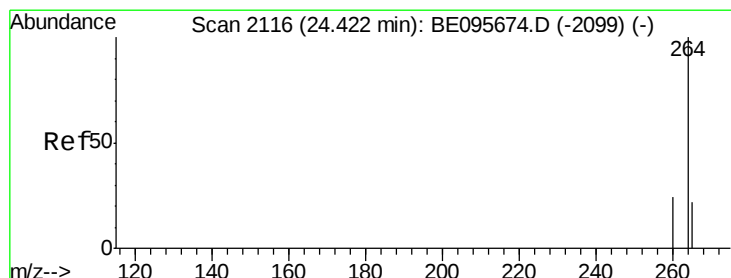
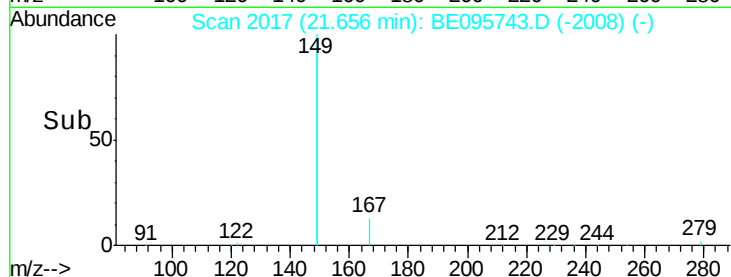
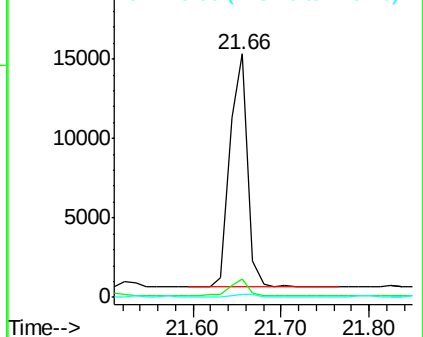
149 100

167 7.8 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: 24.42 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BE095743.D

Acq: 13 Mar 2018 00:08

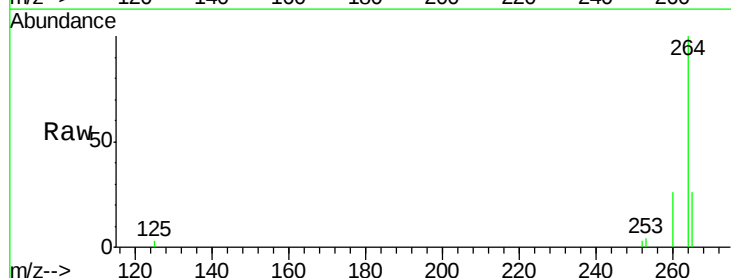
Tgt Ion:264 Resp: 6935

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 26.4 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

