

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095735.D
 Acq On : 12 Mar 2018 18:06
 Operator : SJ/JU
 Sample : J1867-14MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013071MSD

Quant Time: Mar 13 10:47:23 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	1398	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5382	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	4167	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6853	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7143	0.40	ng	0.00
34) Perylene-d12	24.43	264	6818	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	707	0.19	ng	0.00
5) Phenol-d6	7.56	99	722	0.14	ng	0.00
8) Nitrobenzene-d5	9.61	82	2769	0.50	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3412	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	562	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	7083	0.38	ng	0.00
25) Fluoranthene-d10	19.69	212	34379	0.38	ng	0.00
29) Terphenyl-d14	20.25	244	7897	0.55	ng	0.00

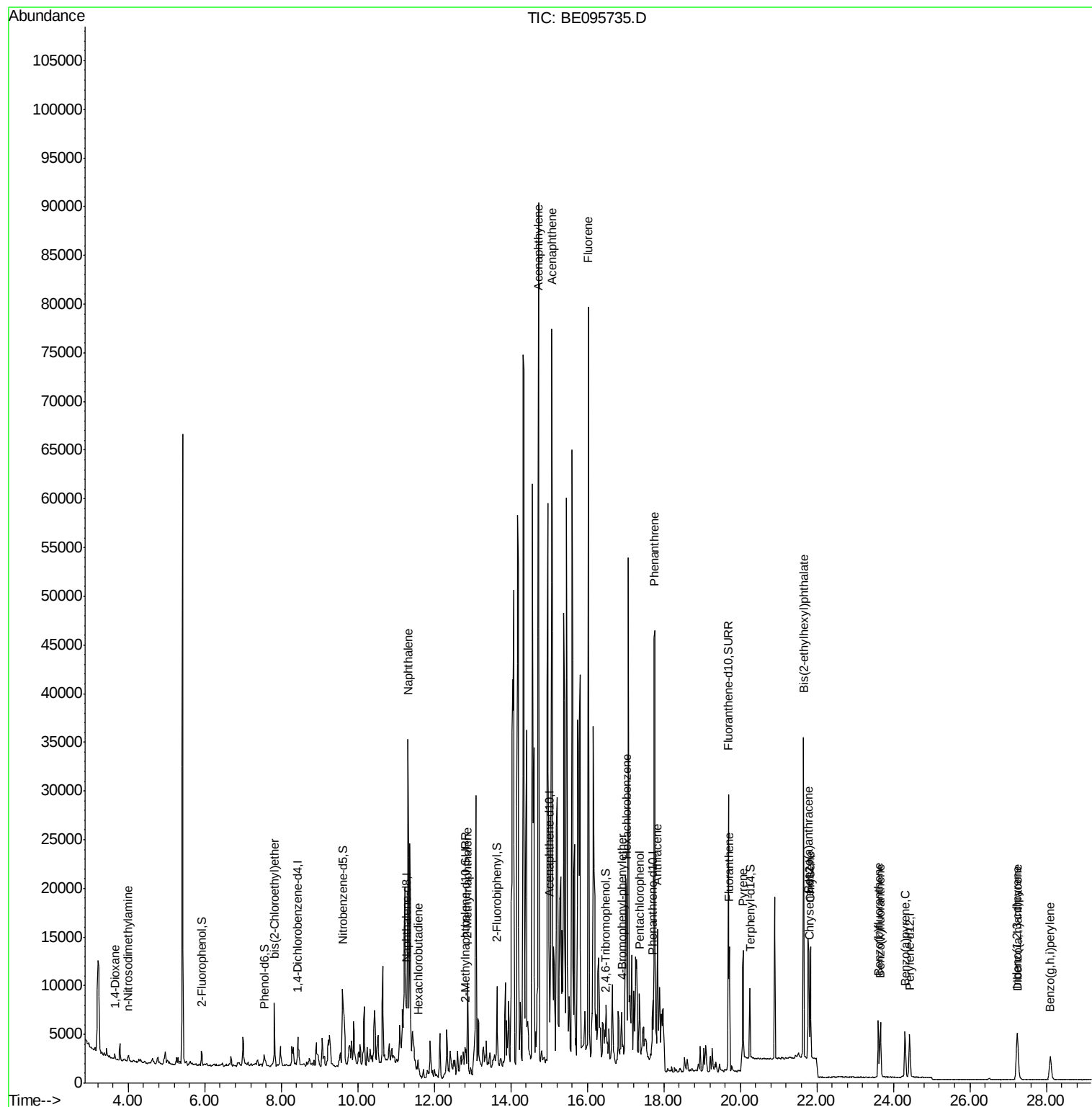
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.64	88	359	0.163	ng	# 78
3) n-Nitrosodimethylamine	3.99	42	516	0.189	ng	# 83
6) bis(2-Chloroethyl)ether	7.82	93	2299	0.438	ng	# 92
9) Naphthalene	11.31	128	51235	0.826	ng	# 90
10) Hexachlorobutadiene	11.57	225	1550	0.428	ng	# 95
12) 2-Methylnaphthalene	12.87	142	6325	0.591	ng	# 92
16) Acenaphthylene	14.73	152	17837	0.762	ng	# 35
17) Acenaphthene	15.07	154	22078	1.502	ng	# 76
18) Fluorene	16.03	166	51444	2.822	ng	# 79
20) 4-Bromophenyl-phenylether	16.90	248	1803	0.419	ng	# 75
21) Hexachlorobenzene	17.02	284	1697	0.381	ng	# 72
22) Pentachlorophenol	17.36	266	1631	1.176	ng	# 75
23) Phenanthrene	17.75	178	52011	2.428	ng	# 95
24) Anthracene	17.84	178	12982	0.660	ng	# 78
26) Fluoranthene	19.72	202	11275	0.428	ng	# 97
28) Pyrene	20.07	202	14827	0.508	ng	# 96
30) Benzo(a)anthracene	21.78	228	10407	0.447	ng	# 98
31) Chrysene	21.84	228	9660	0.417	ng	# 100
32) Bis(2-ethylhexyl)phthalate	21.66	149	38530	0.935	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.23	276	7105	0.316	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	8427	0.347	ng	# 90
36) Benzo(k)fluoranthene	23.66	252	8456	0.350	ng	# 94
37) Benzo(a)pyrene	24.31	252	7912	0.361	ng	# 93
38) Dibenzo(a,h)anthracene	27.25	278	5948	0.305	ng	# 97
39) Benzo(g,h,i)perylene	28.10	276	6195	0.297	ng	# 93

(#) = 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: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

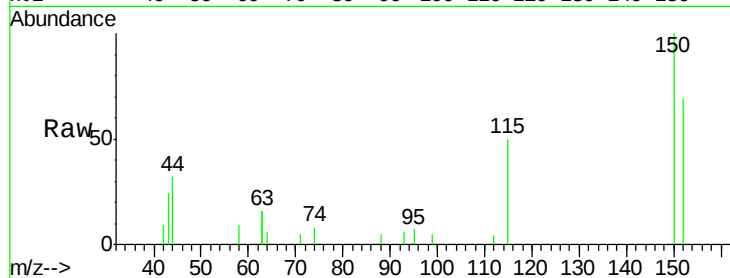
Tot Ion:152 Resp: 1398

Ion Ratio Lower Upper

152 100

150 145.0 117.2 175.8

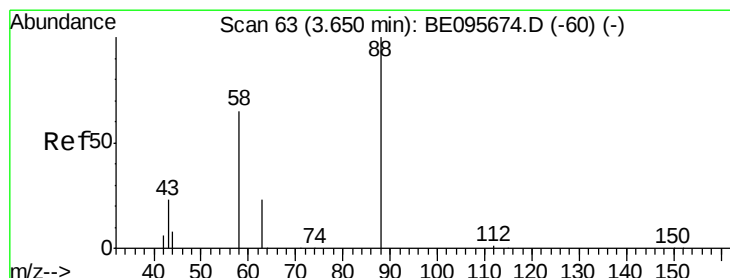
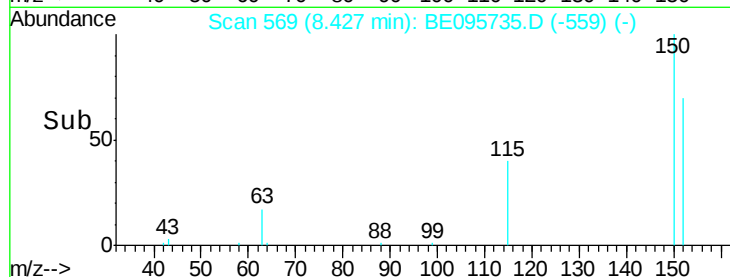
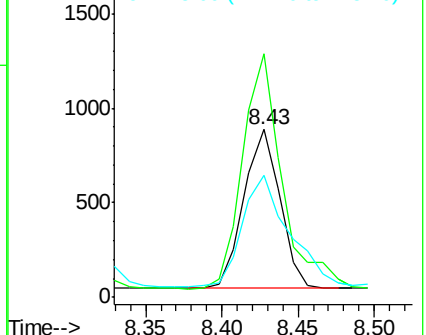
115 72.4 57.0 85.6



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



#2

1,4-Dioxane

Concen: 0.163 ng

RT: 3.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

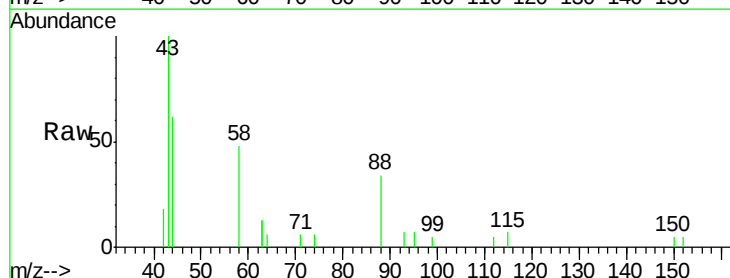
Tgt Ion: 88 Resp: 359

Ion Ratio Lower Upper

88 100

58 98.9 63.2 94.8#

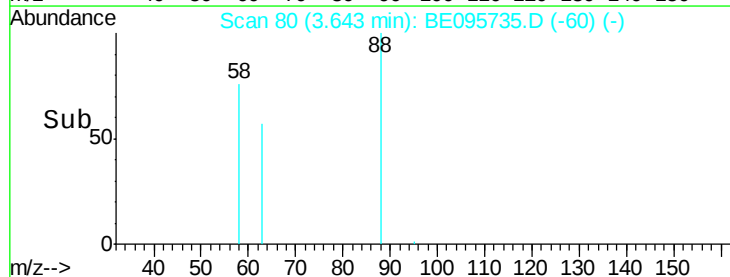
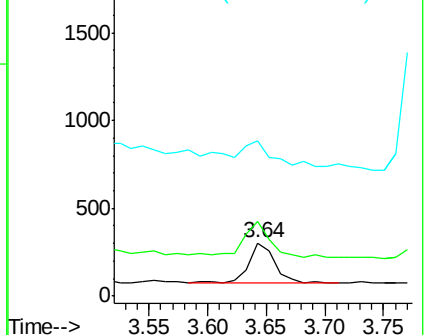
43 66.3 41.2 61.8#

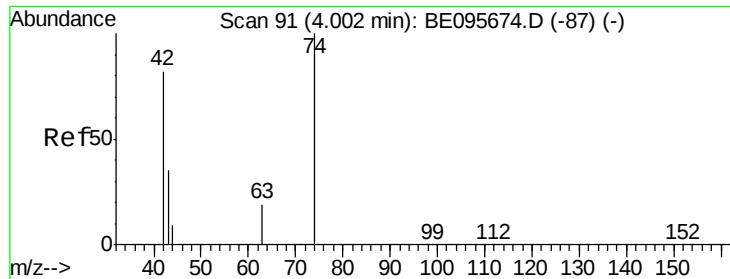


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



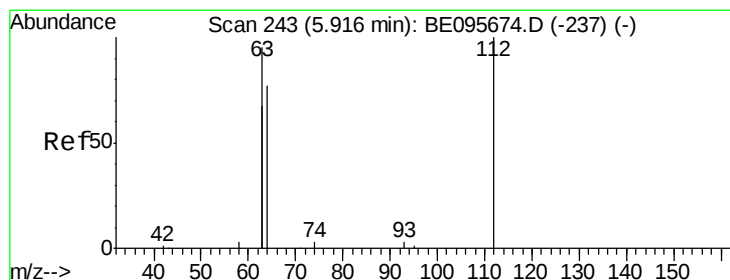
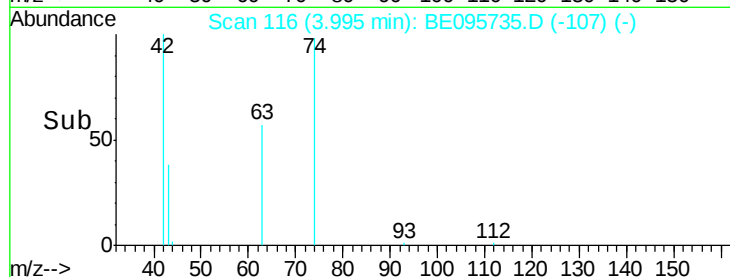
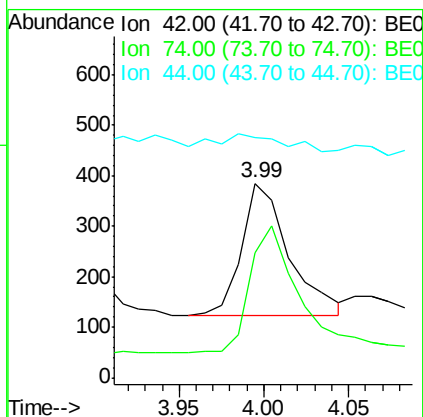
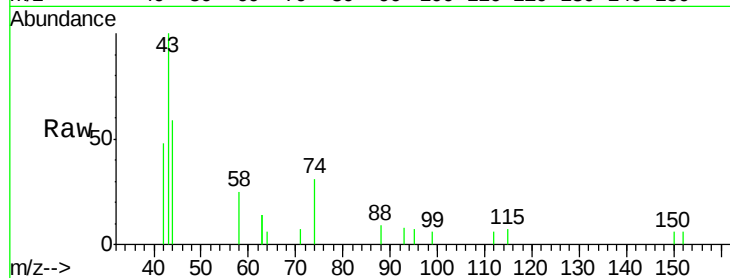


#3

n-Nitrosodimethylamine
 Concen: 0.189 ng
 RT: 3.99 min Scan# 116
 Delta R.T. -0.01 min
 Lab File: BE095735.D
 Acq: 12 Mar 2018 18:06

Instrument :
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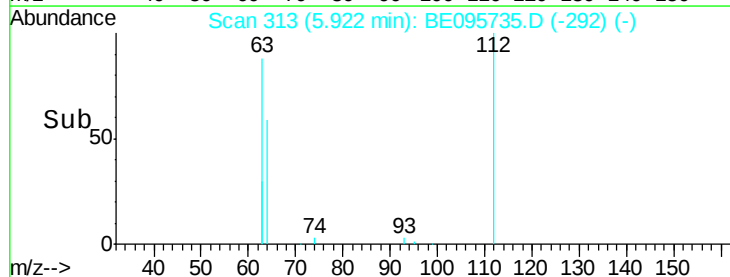
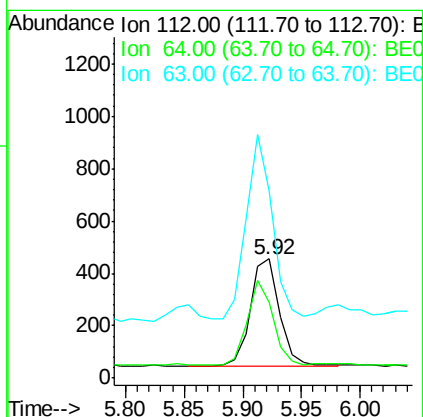
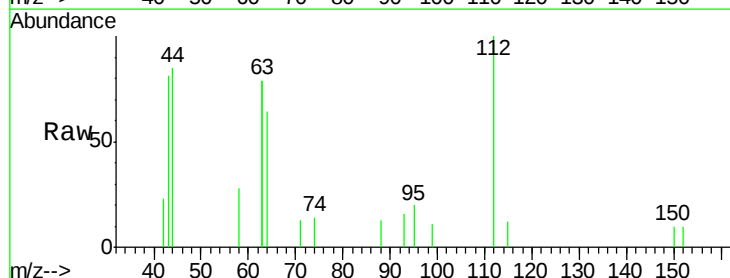
Tot Ion: 42 Resp: 516
 Ion Ratio Lower Upper
 42 100
 74 98.4 96.0 144.0
 44 14.9 12.0 18.0

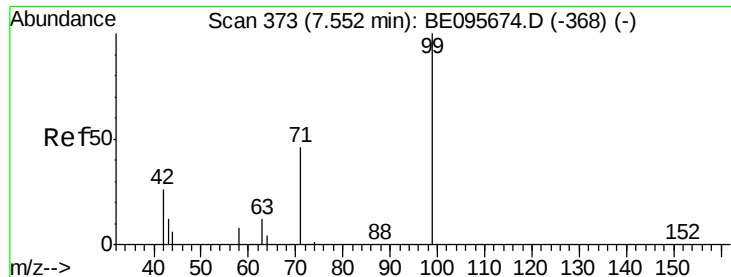


#4

2-Fluorophenol
 Concen: 0.192 ng
 RT: 5.92 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: BE095735.D
 Acq: 12 Mar 2018 18:06

Tgt Ion: 112 Resp: 707
 Ion Ratio Lower Upper
 112 100
 64 69.6 60.1 90.1
 63 153.6 116.8 175.2





#5

Phenol-d6

Concen: 0.141 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

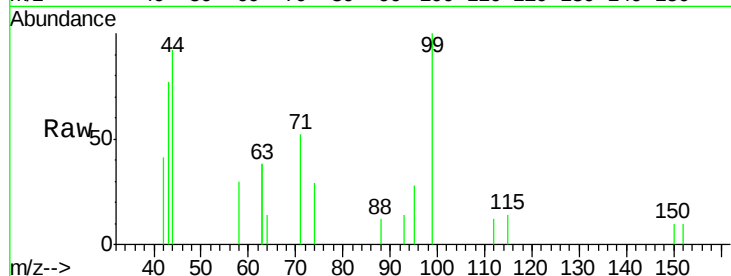
Tot Ion: 99 Resp: 722

Ion Ratio Lower Upper

99 100

42 35.2 20.2 30.2#

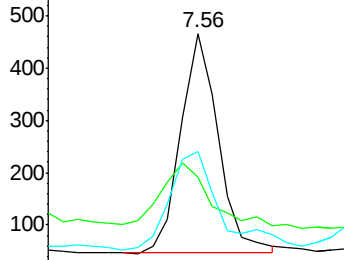
71 60.5 28.4 42.6#



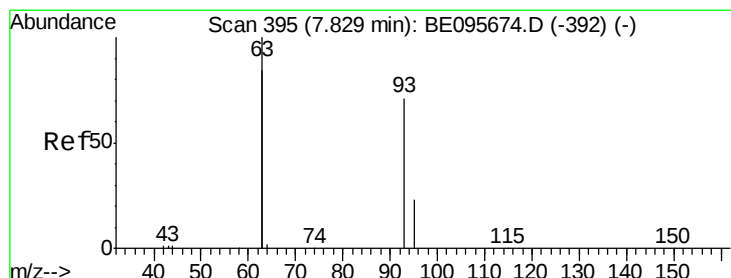
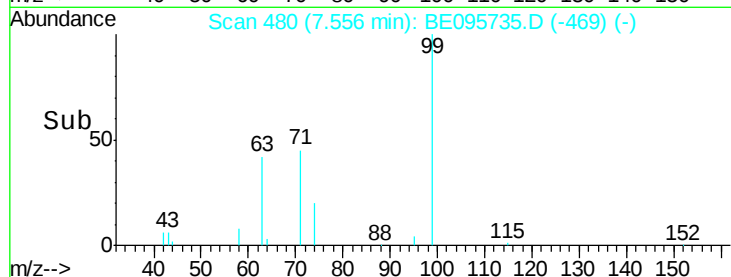
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.438 ng

RT: 7.82 min Scan# 507

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

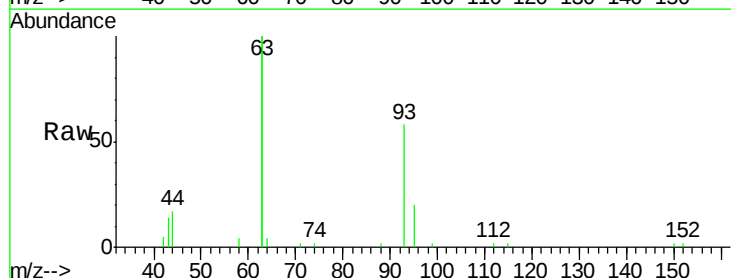
Tgt Ion: 93 Resp: 2299

Ion Ratio Lower Upper

93 100

63 327.2 275.3 412.9

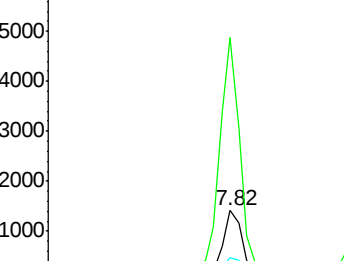
95 35.7 25.2 37.8



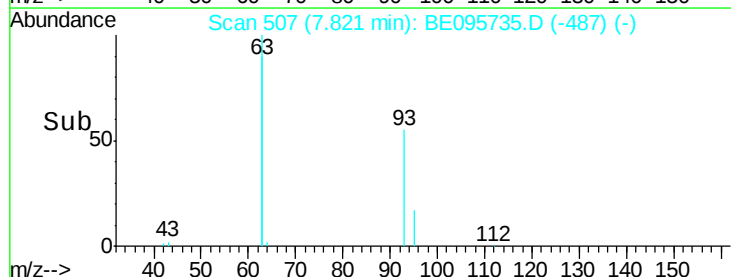
Abundance Ion 93.00 (92.70 to 93.70): BE0

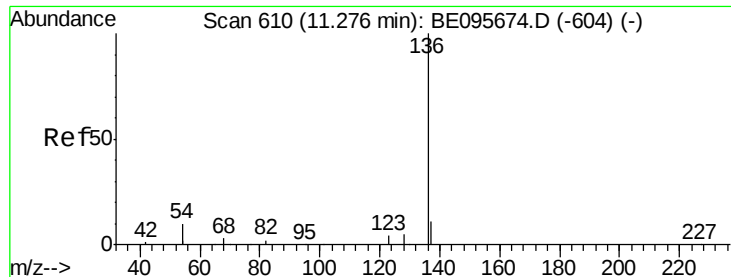
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

Tot Ion:136 Resp: 5382

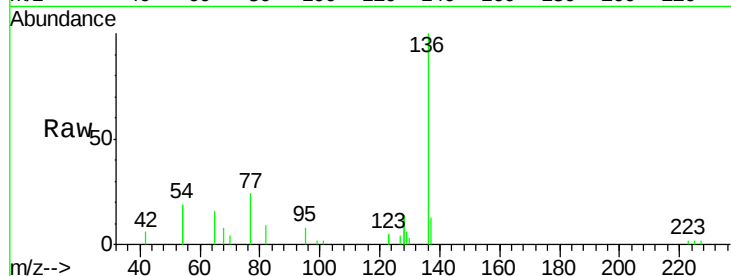
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 37.6 29.1 43.7

68 8.5 6.2 9.2

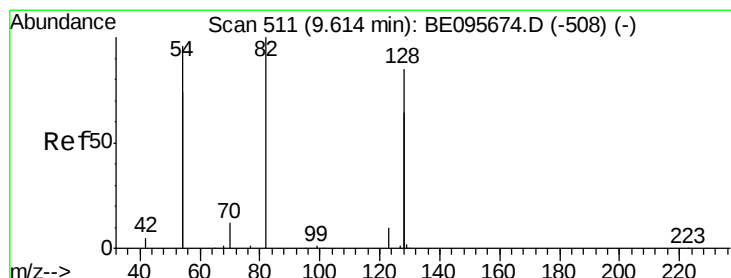
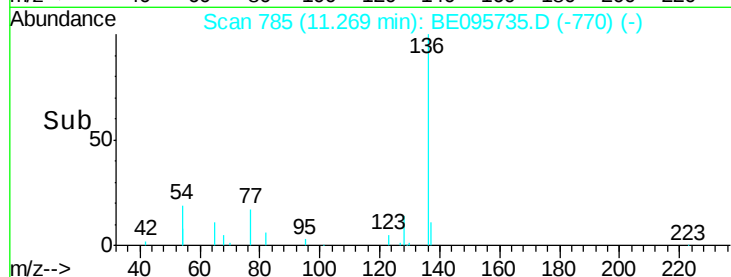
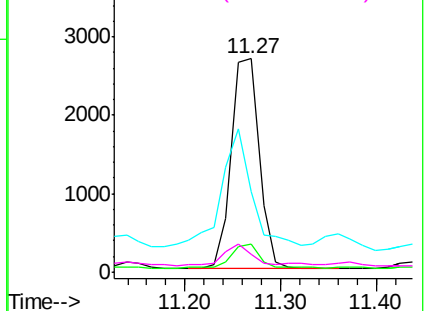


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.499 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

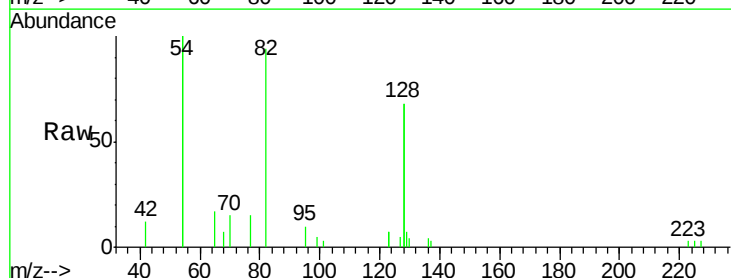
Tgt Ion: 82 Resp: 2769

Ion Ratio Lower Upper

82 100

128 144.9 150.0 225.0#

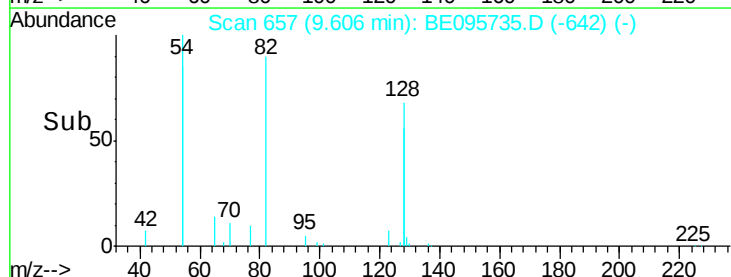
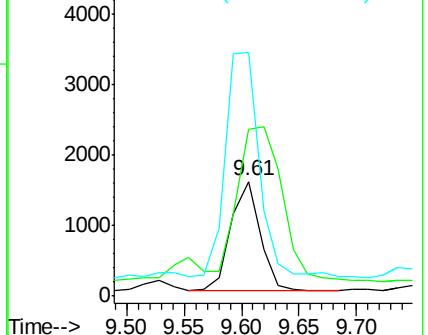
54 212.1 154.2 231.4

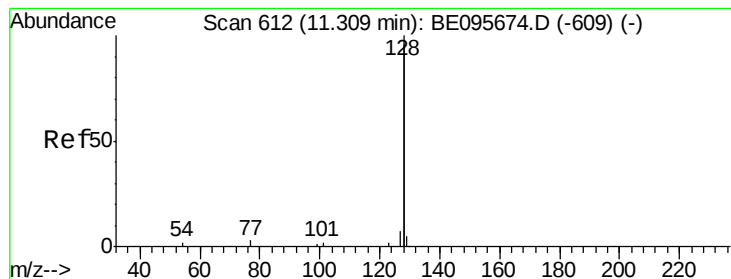


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.826 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

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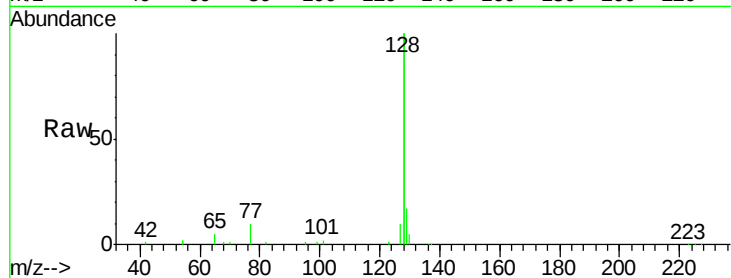
Tot Ion:128 Resp: 51235

Ion Ratio Lower Upper

128 100

129 8.4 2.6 3.8#

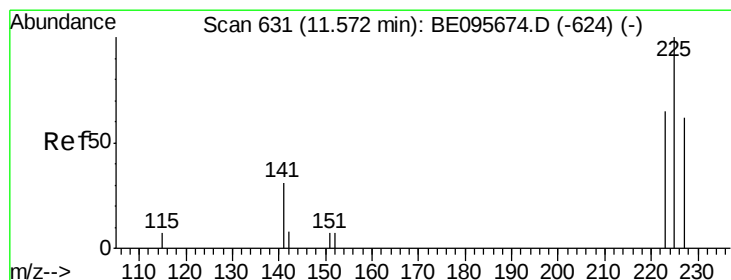
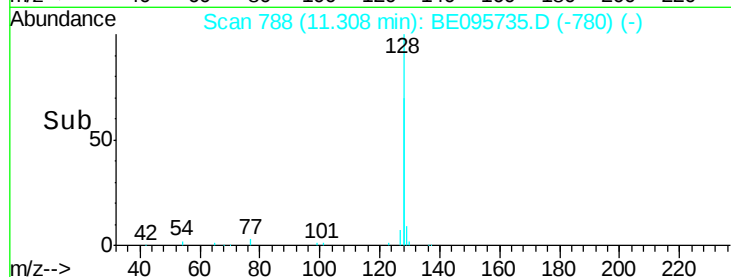
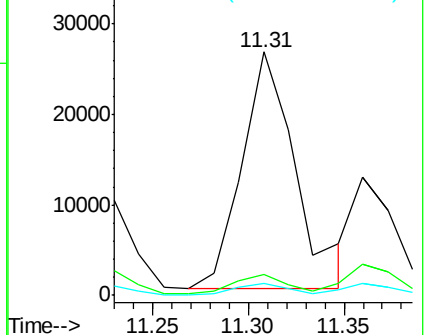
127 5.0 2.8 4.2#



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



#10

Hexachlorobutadiene

Concen: 0.428 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

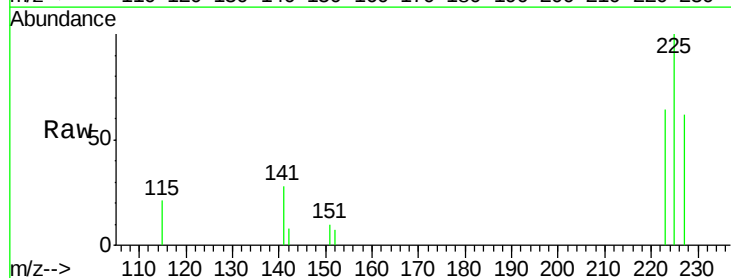
Tgt Ion:225 Resp: 1550

Ion Ratio Lower Upper

225 100

223 61.7 53.0 79.6

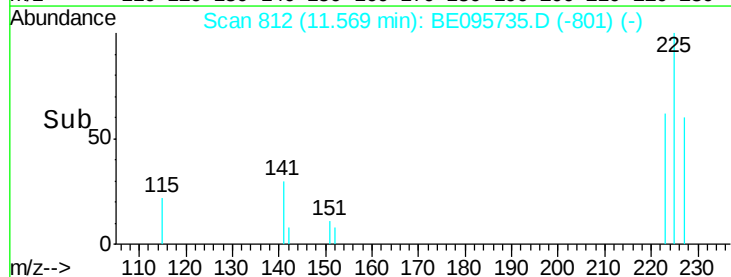
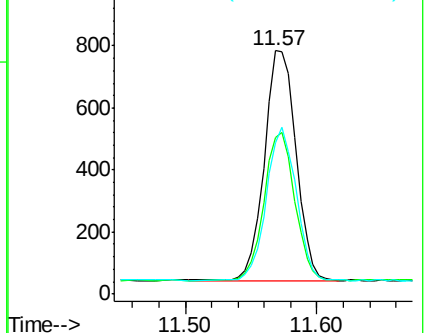
227 61.2 51.4 77.2

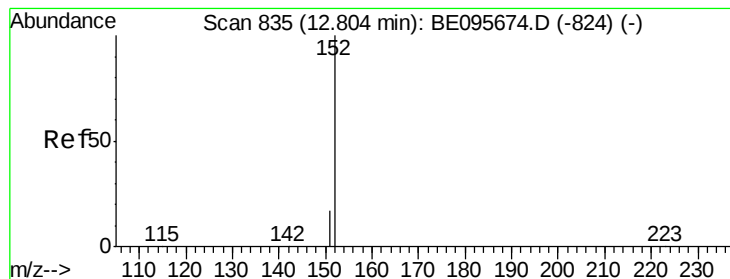


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.379 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

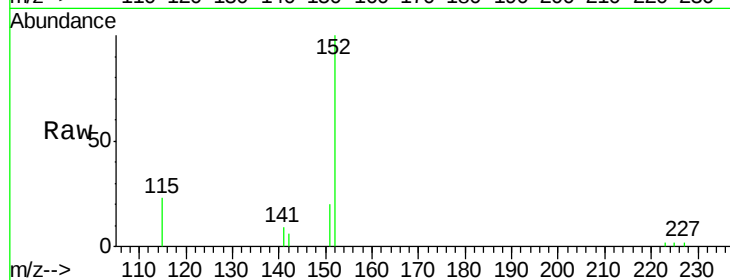
C19013071MSD

Tot Ion:152 Resp: 3412

Ion Ratio Lower Upper

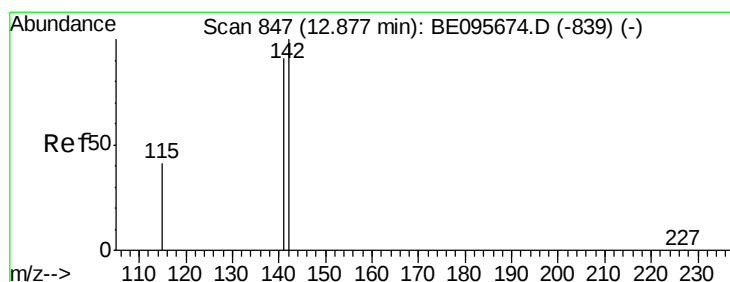
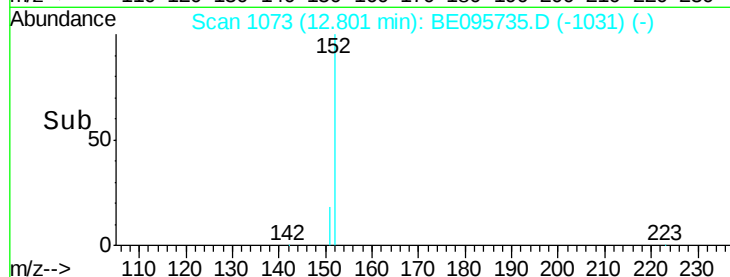
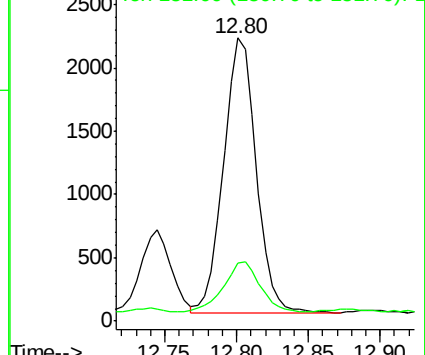
152 100

151 20.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.591 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

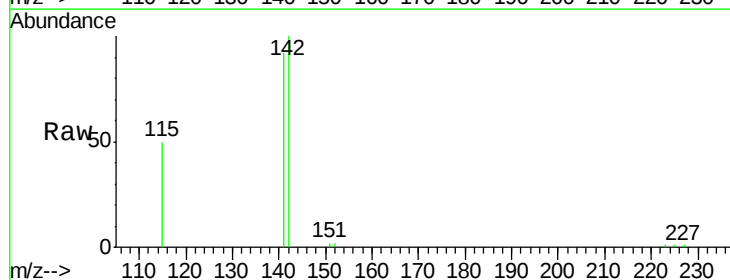
Tgt Ion:142 Resp: 6325

Ion Ratio Lower Upper

142 100

141 92.0 70.4 105.6

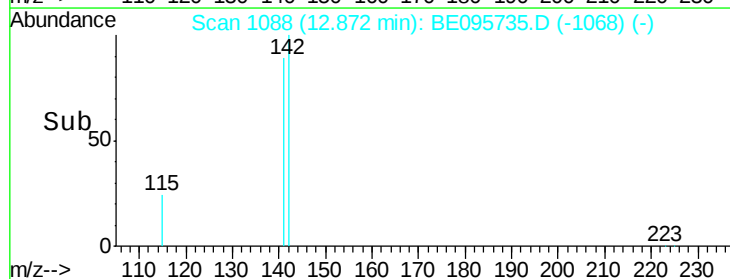
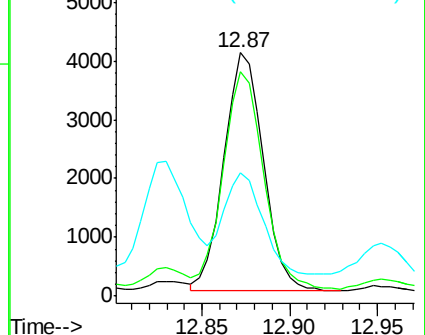
115 50.4 31.7 47.5#

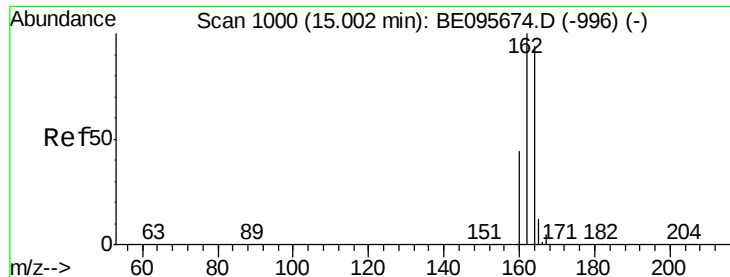


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

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ClientSampleId :

C19013071MSD

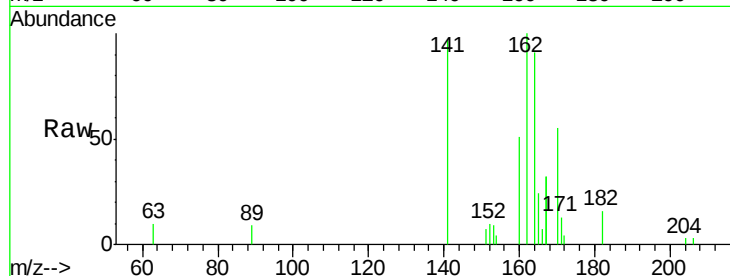
Tot Ion:164 Resp: 4167

Ion Ratio Lower Upper

164 100

162 110.4 83.1 124.7

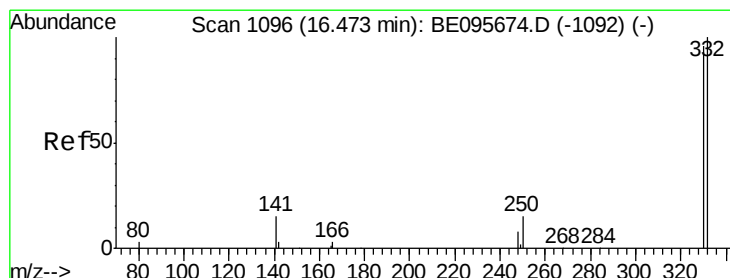
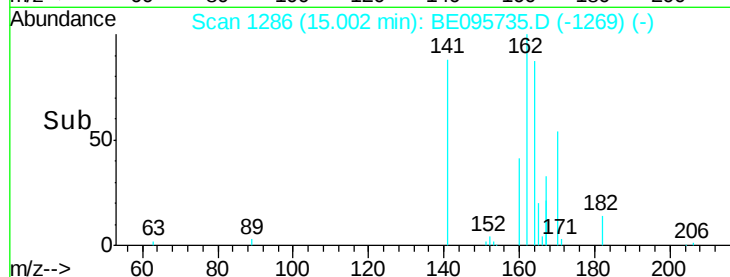
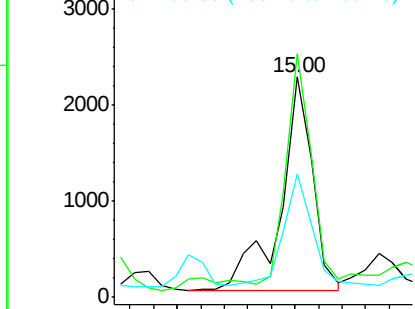
160 56.1 37.1 55.7#



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: 0.397 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

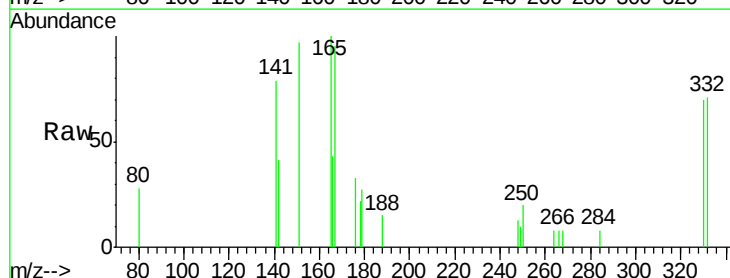
Tgt Ion:330 Resp: 562

Ion Ratio Lower Upper

330 100

332 102.5 152.7 229.1#

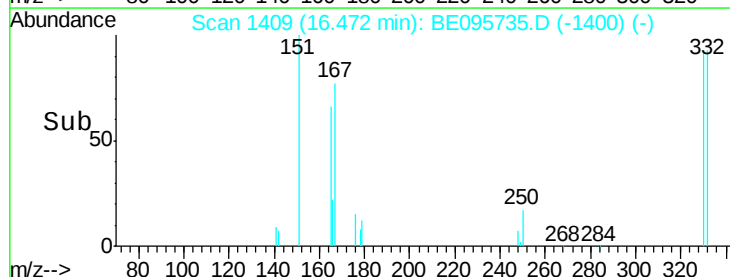
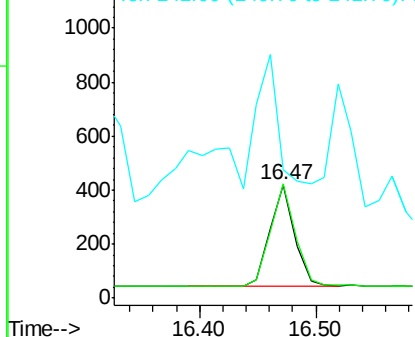
141 121.2 33.7 50.5#

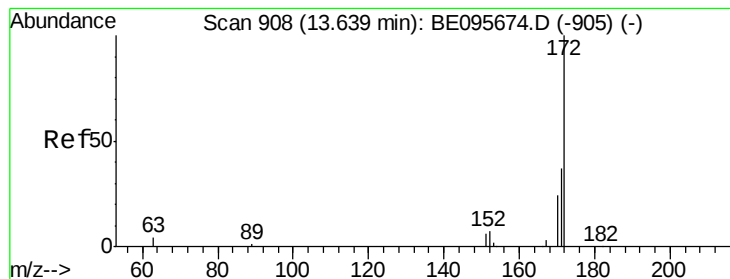


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.380 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

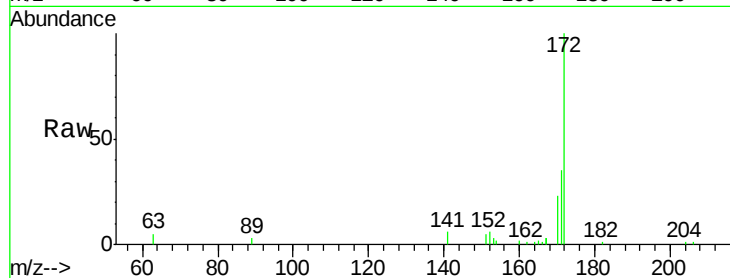
Tot Ion:172 Resp: 7083

Ion Ratio Lower Upper

172 100

171 34.9 29.9 44.9

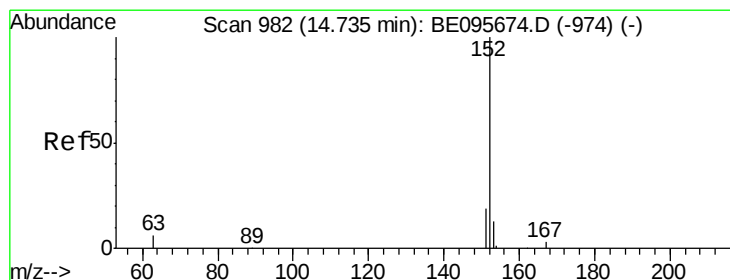
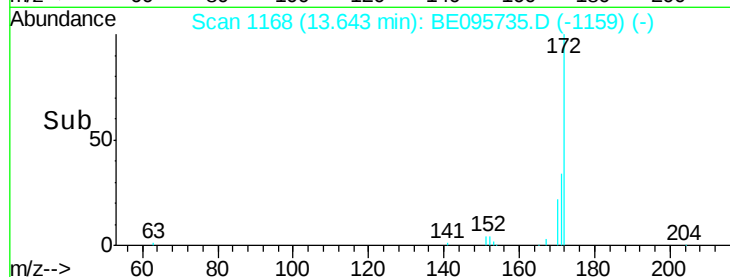
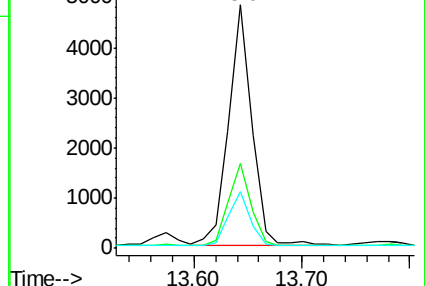
170 23.1 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.762 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

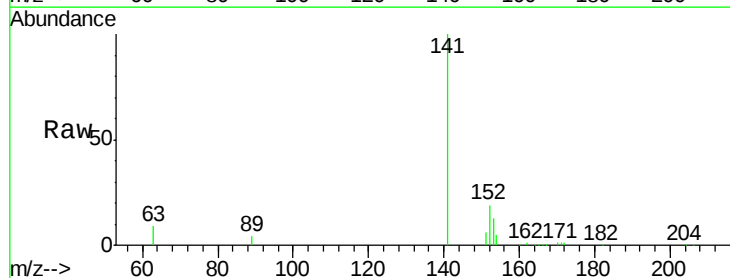
Tgt Ion:152 Resp: 17837

Ion Ratio Lower Upper

152 100

151 27.6 15.7 23.5#

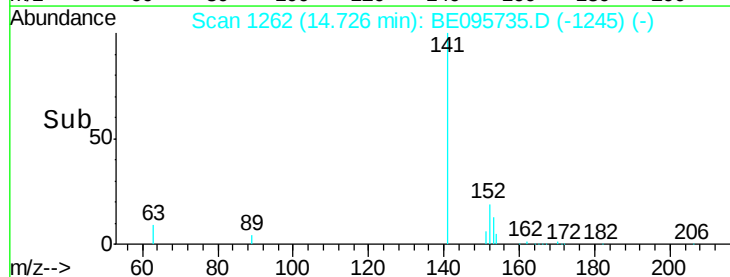
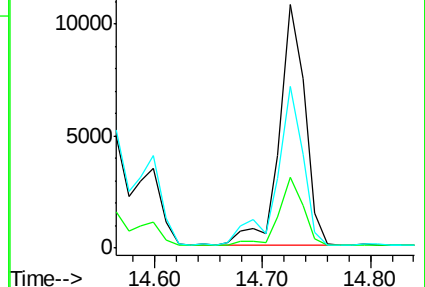
153 67.6 10.5 15.7#

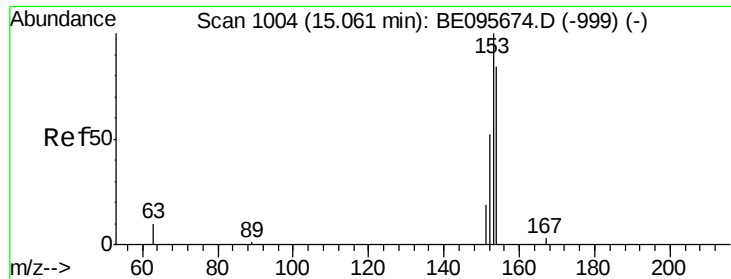


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.502 ng

RT: 15.07 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

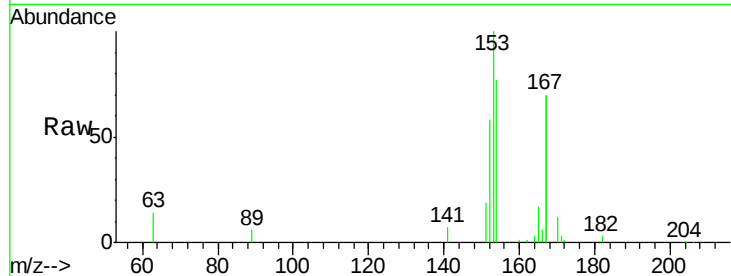
Tot Ion:154 Resp: 22078

Ion Ratio Lower Upper

154 100

153 131.3 89.2 133.8

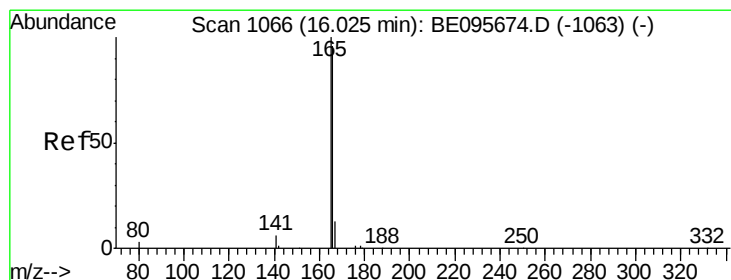
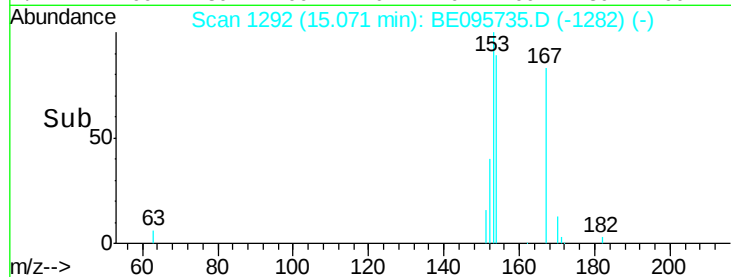
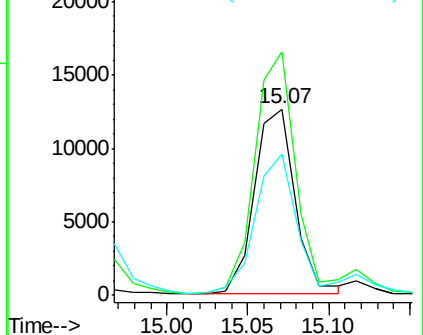
152 77.9 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 2.822 ng

RT: 16.03 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

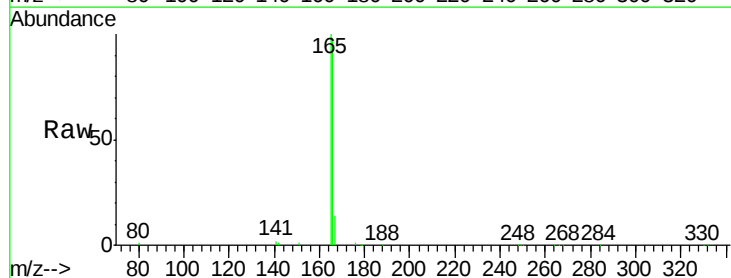
Tgt Ion:166 Resp: 51444

Ion Ratio Lower Upper

166 100

165 105.0 77.8 116.6

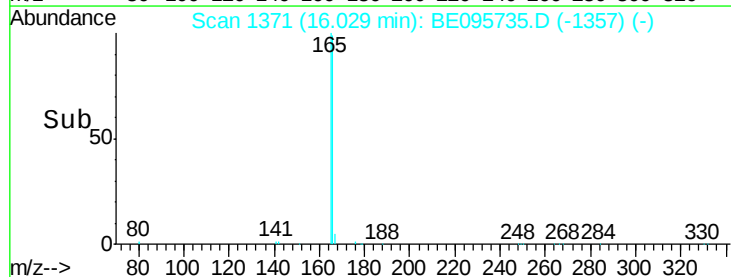
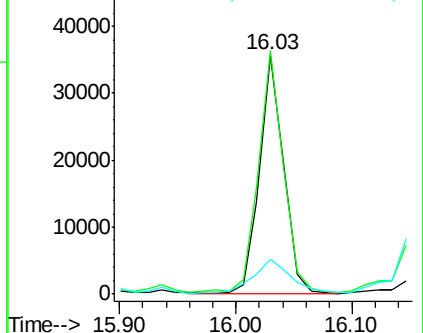
167 21.1 42.4 63.6#

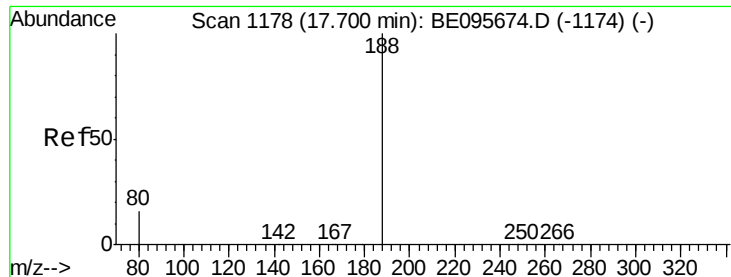


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

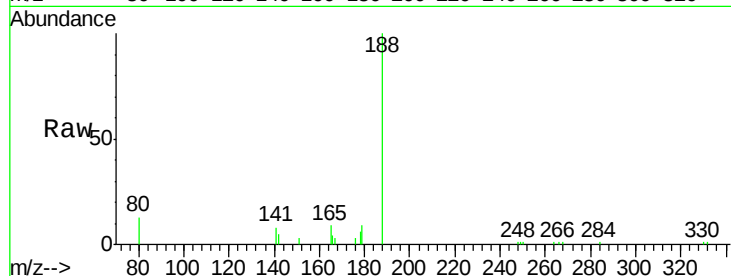
Tot Ion:188 Resp: 6853

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

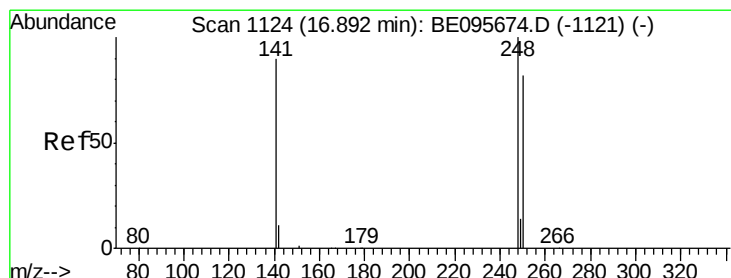
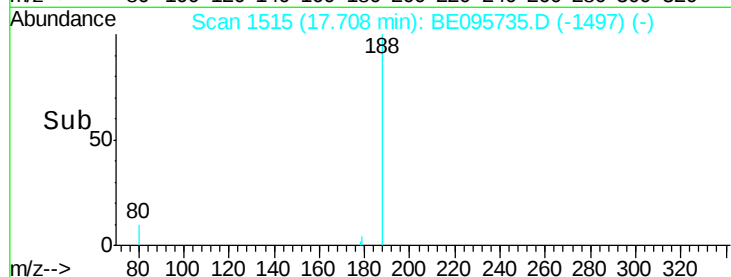
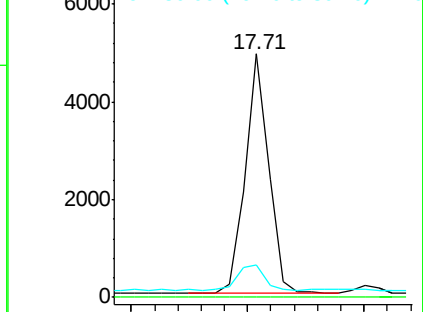
80 13.2 3.6 5.4#



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: 0.419 ng

RT: 16.90 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

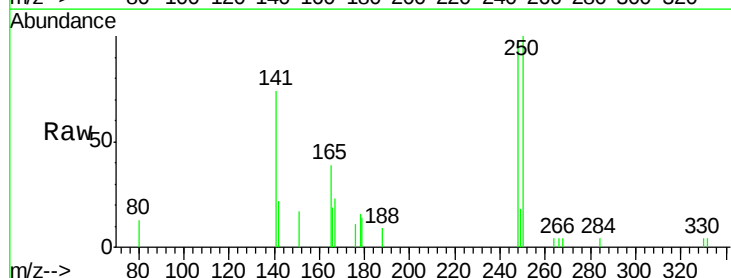
Tgt Ion:248 Resp: 1803

Ion Ratio Lower Upper

248 100

250 102.6 62.7 94.1#

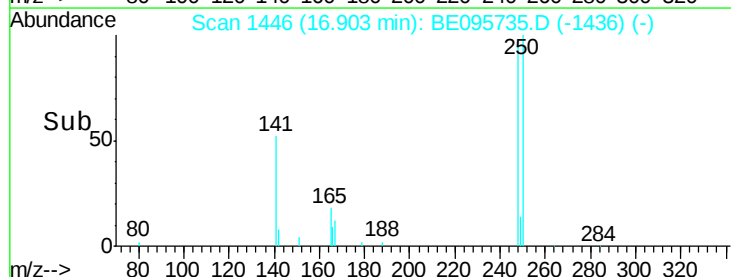
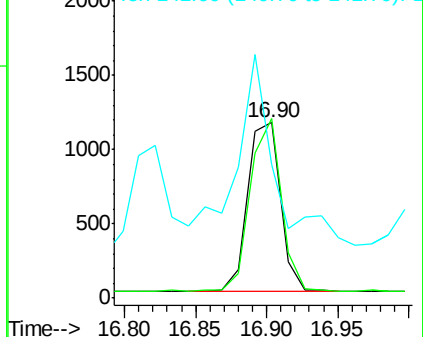
141 76.3 48.2 72.2#

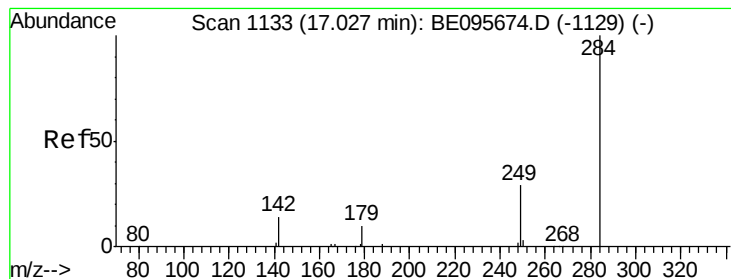


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.381 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

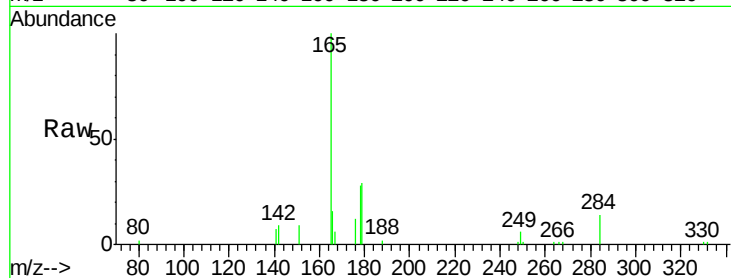
Tot Ion:284 Resp: 1697

Ion Ratio Lower Upper

284 100

142 54.4 22.1 33.1#

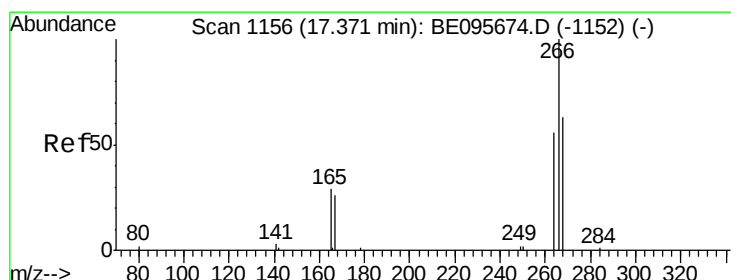
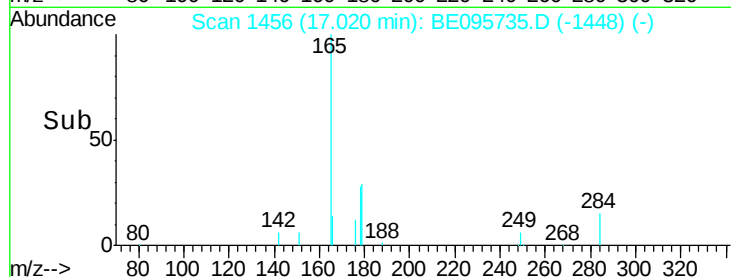
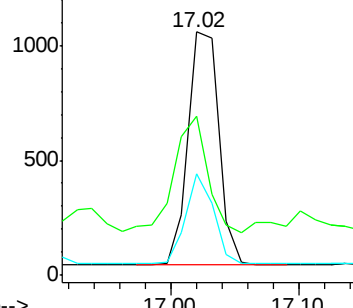
249 35.0 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.176 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

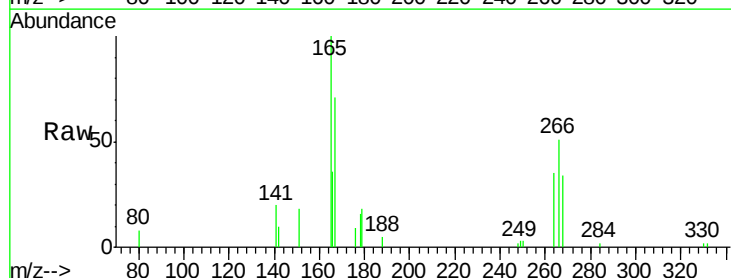
Tgt Ion:266 Resp: 1631

Ion Ratio Lower Upper

266 100

264 69.2 72.5 108.7#

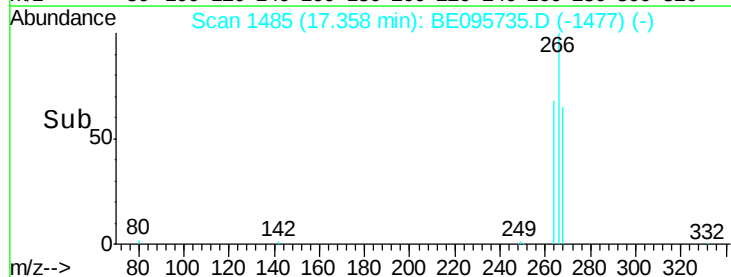
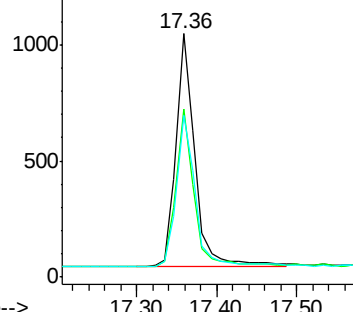
268 66.2 73.8 110.6#

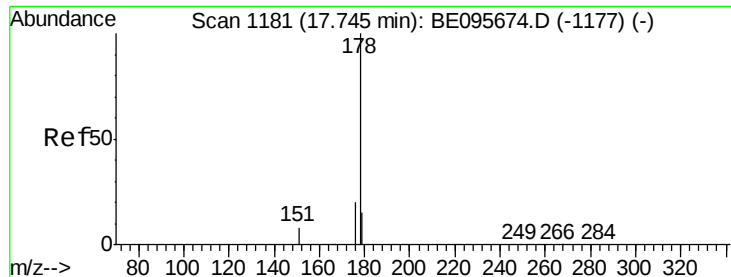


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.428 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

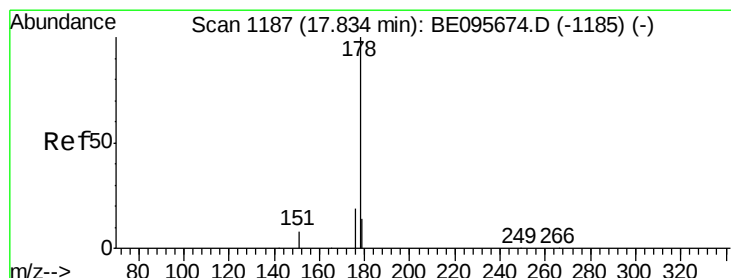
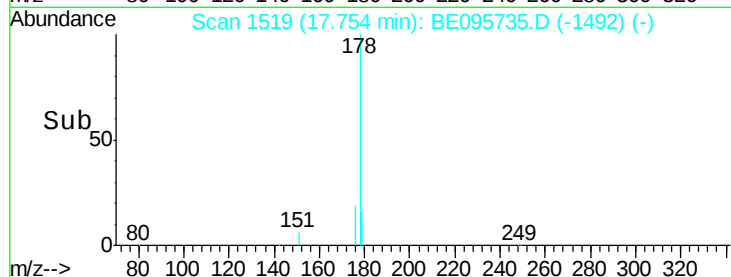
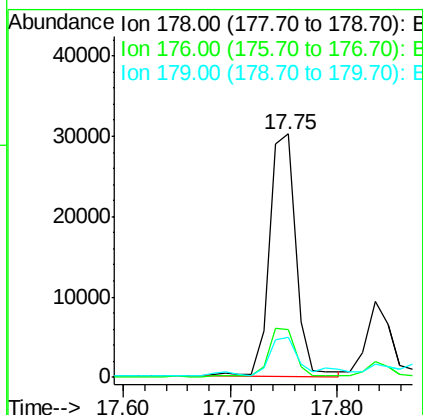
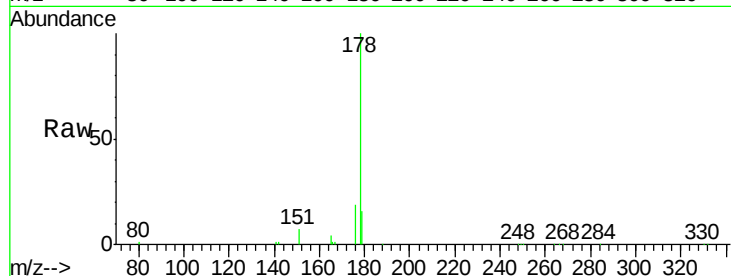
Tot Ion:178 Resp: 52011

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

179 18.6 11.8 17.6#



#24

Anthracene

Concen: 0.660 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

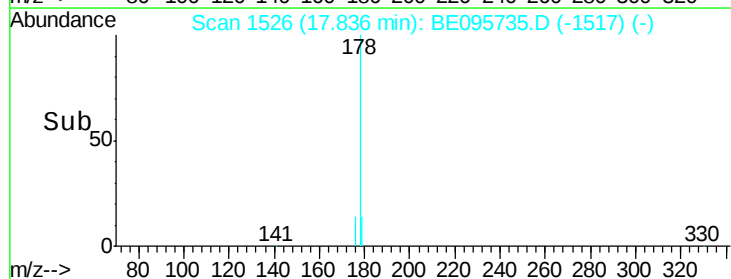
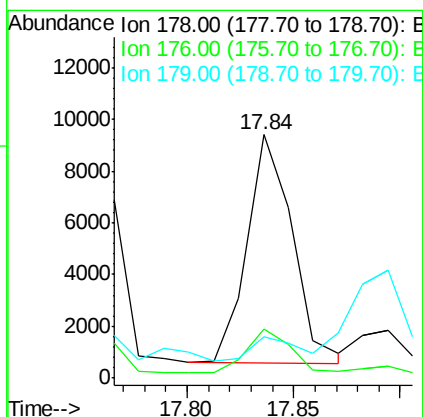
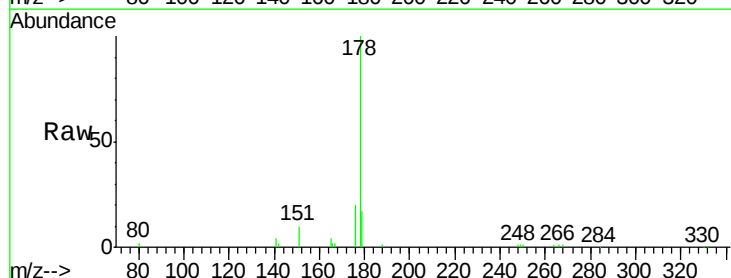
Tgt Ion:178 Resp: 12982

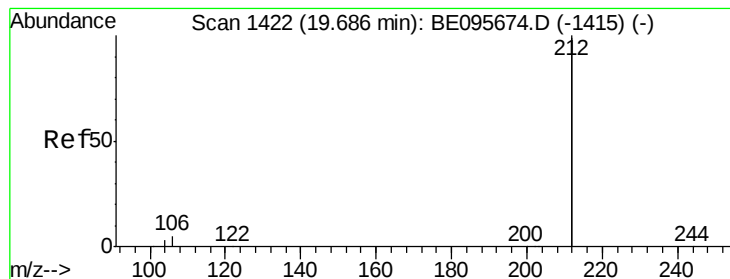
Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

179 0.0 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.384 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

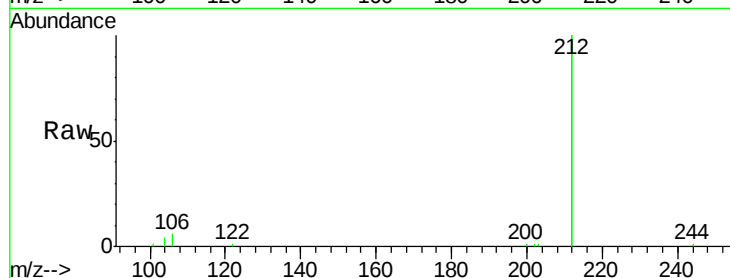
Tot Ion:212 Resp: 34379

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

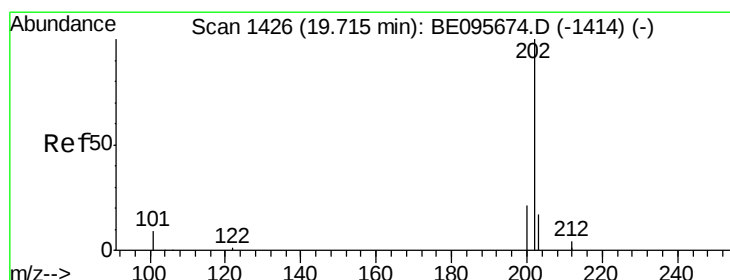
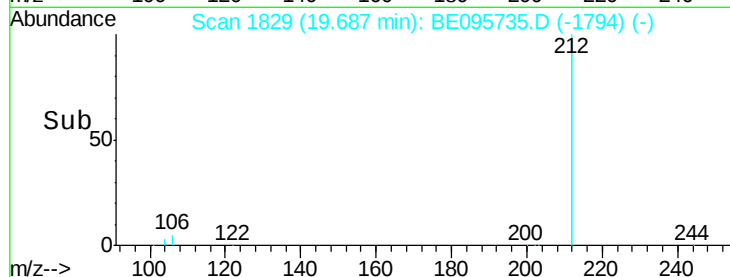
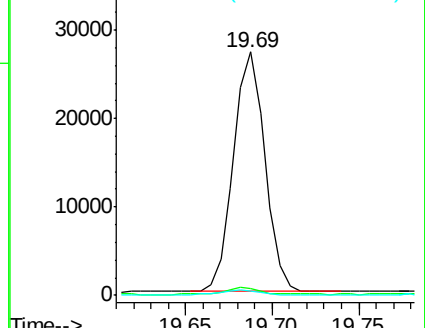
104 2.1 1.6 2.4



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: 0.428 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

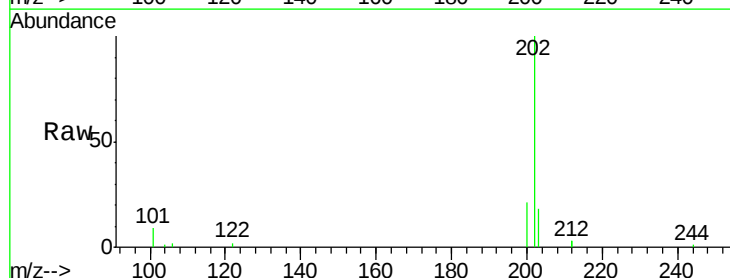
Tgt Ion:202 Resp: 11275

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

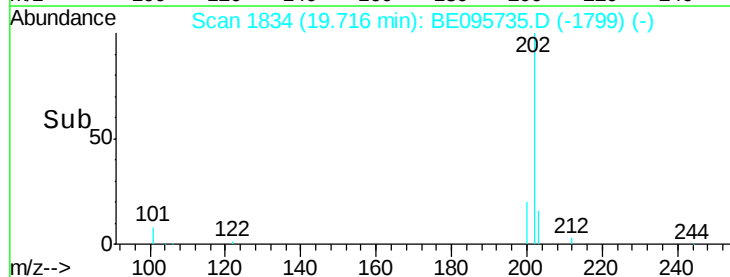
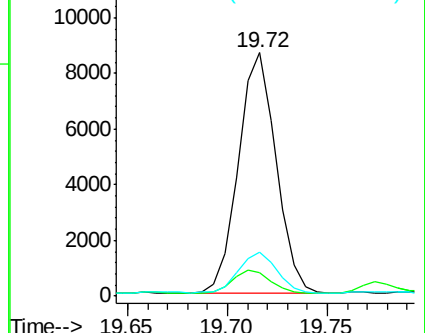
203 16.9 13.7 20.5

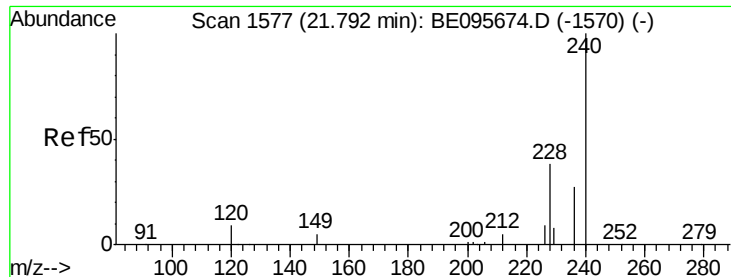


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

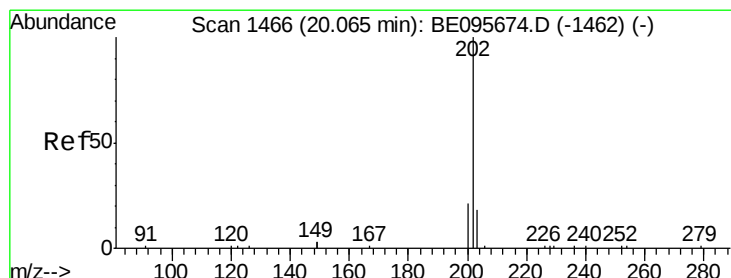
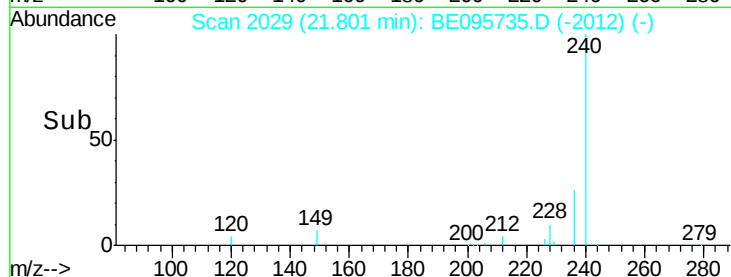
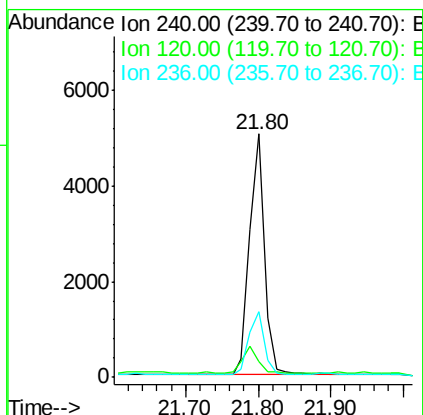
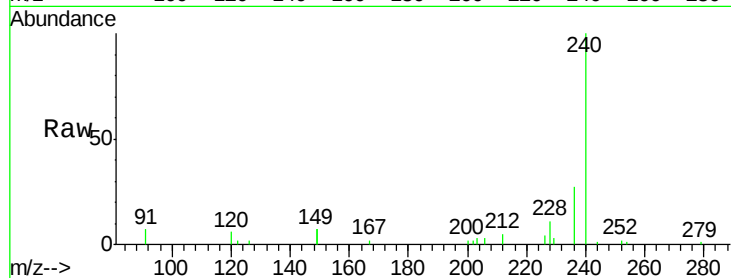




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.80 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BE095735.D
 Acq: 12 Mar 2018 18:06

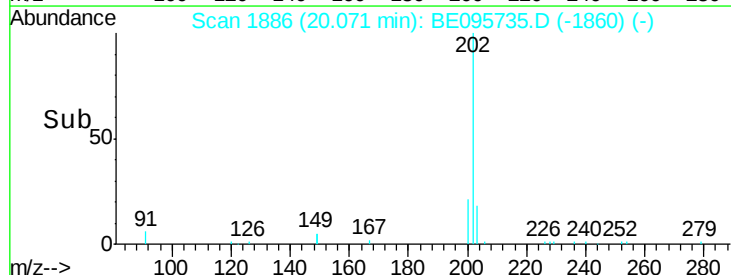
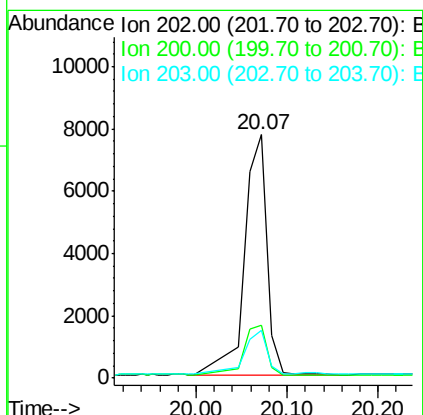
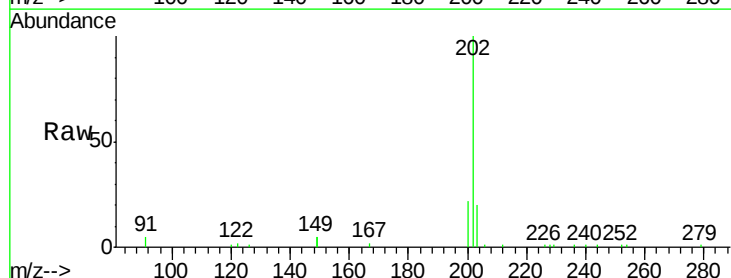
Instrument :
 BNA_E
 ClientSampleId :
 C19013071MSD

Tot Ion:240 Resp: 7143
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.5 8.3
 236 27.1 20.7 31.1



#28
 Pyrene
 Concen: 0.508 ng
 RT: 20.07 min Scan# 1886
 Delta R.T. 0.01 min
 Lab File: BE095735.D
 Acq: 12 Mar 2018 18:06

Tgt Ion:202 Resp: 14827
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.6 25.0
 203 20.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.555 ng

RT: 20.25 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

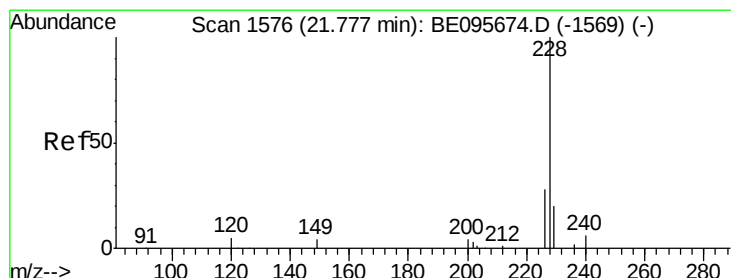
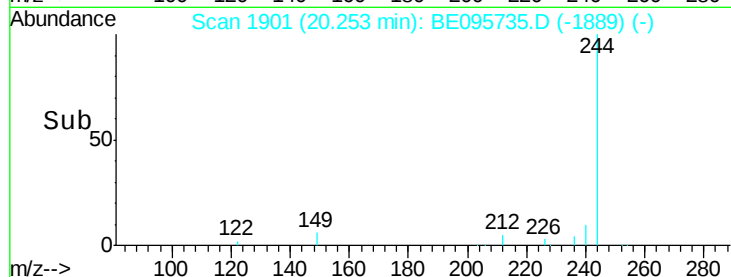
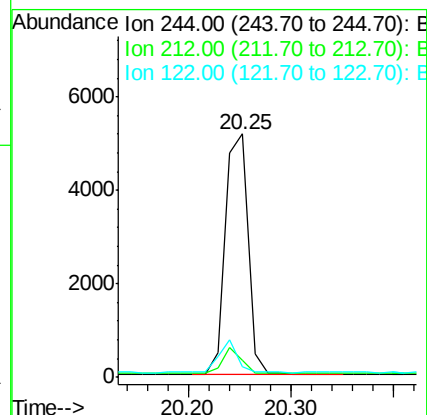
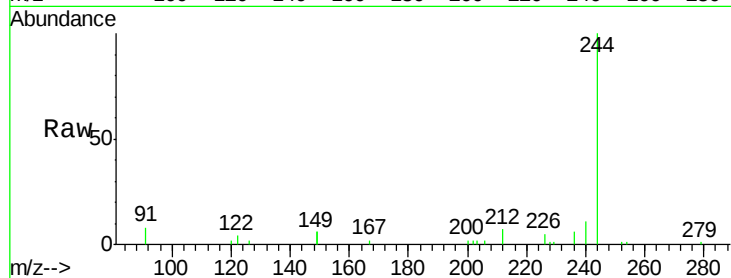
Tot Ion:244 Resp: 7897

Ion Ratio Lower Upper

244 100

212 6.8 25.4 38.0#

122 4.4 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.447 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

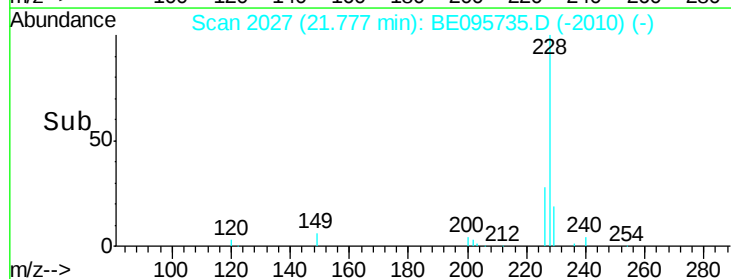
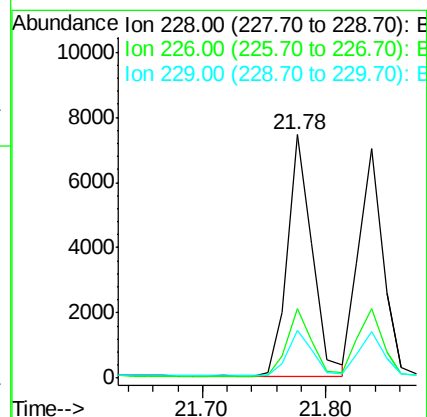
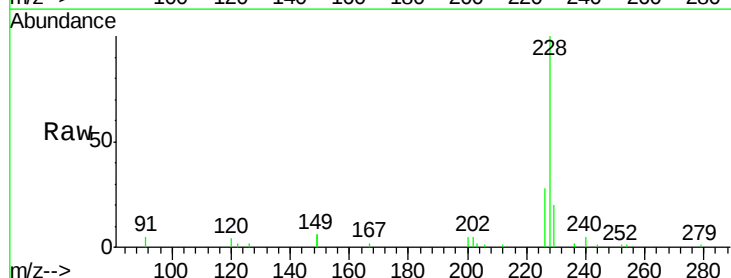
Tgt Ion:228 Resp: 10407

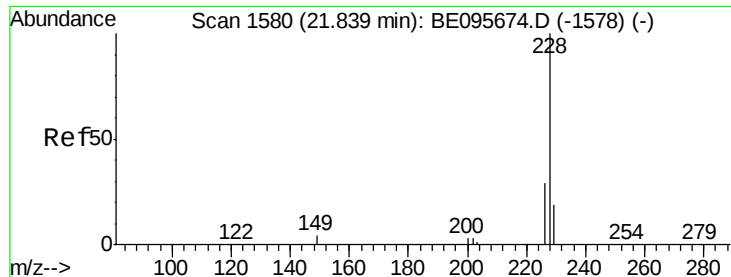
Ion Ratio Lower Upper

228 100

226 28.3 24.0 36.0

229 19.8 16.0 24.0





#31

Chrysene

Concen: 0.417 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

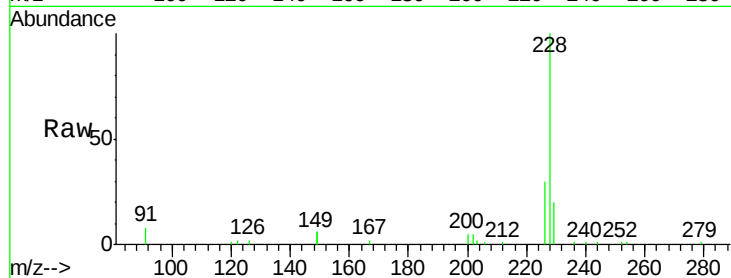
Tot Ion:228 Resp: 9660

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

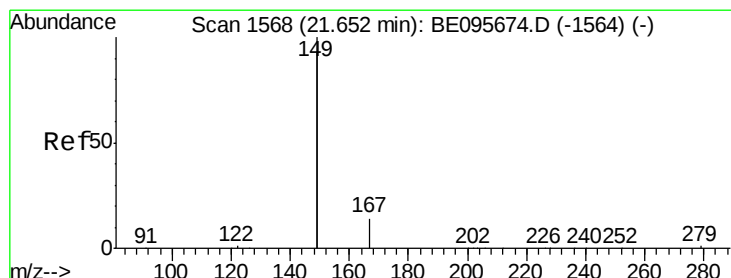
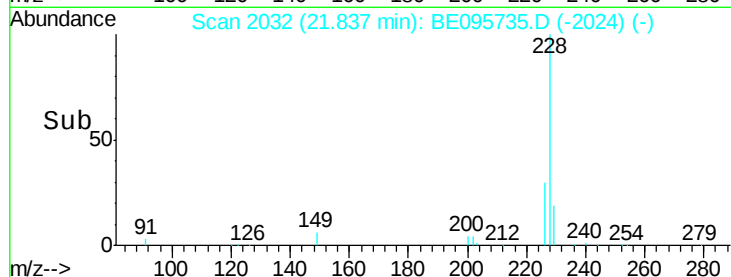
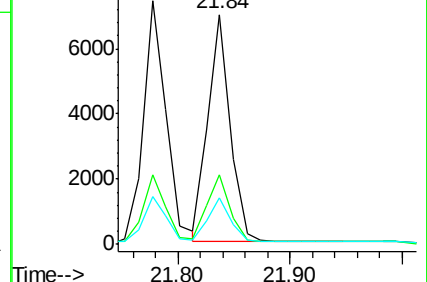
229 20.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.935 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

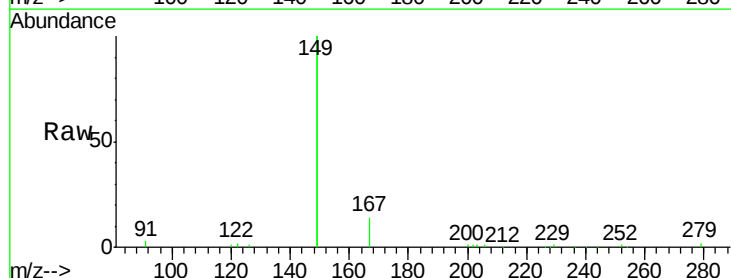
Tgt Ion:149 Resp: 38530

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

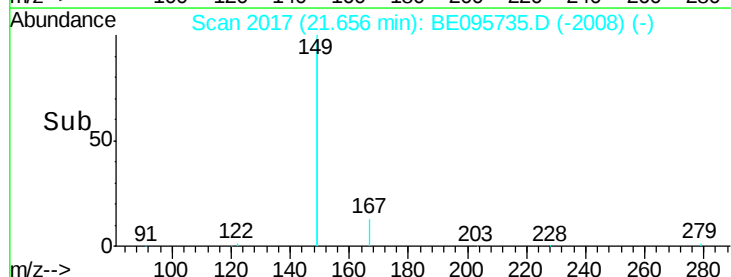
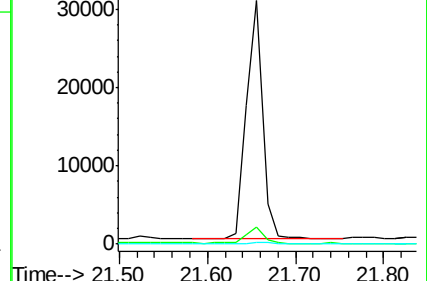
279 0.9 0.7 1.1

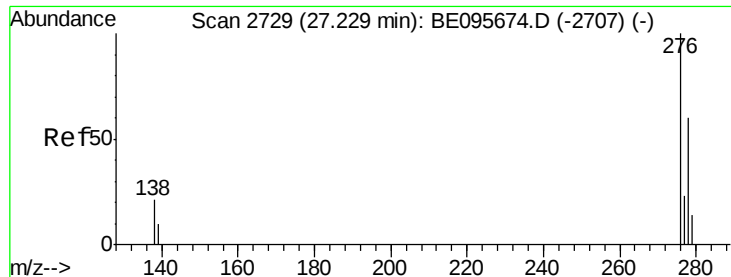


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

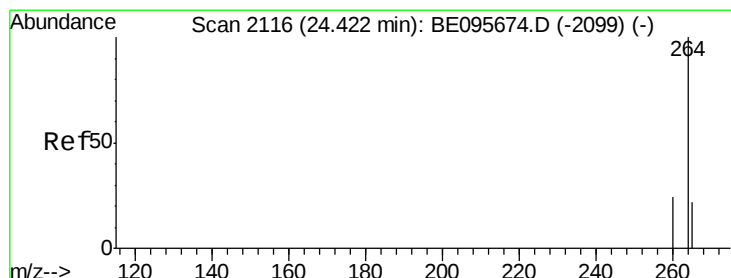
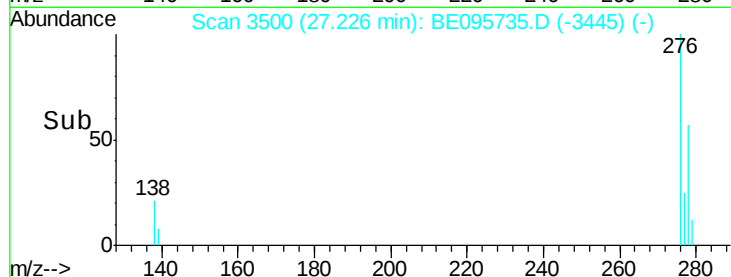
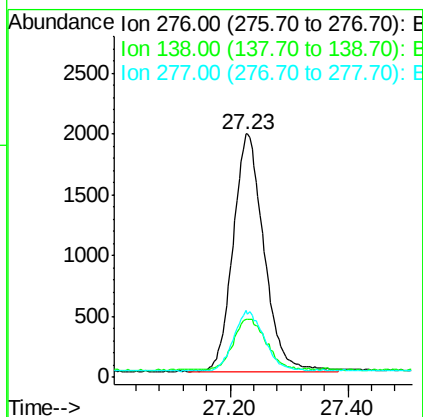
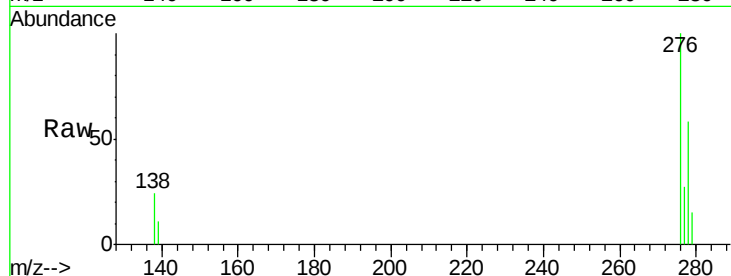




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.316 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

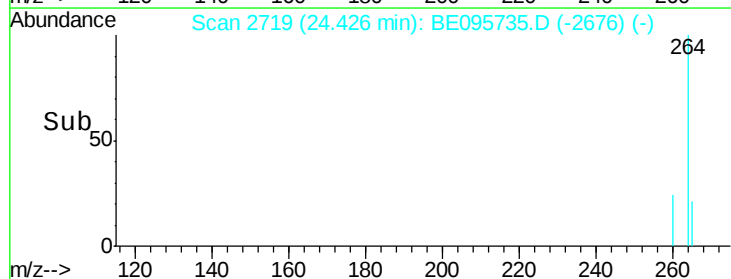
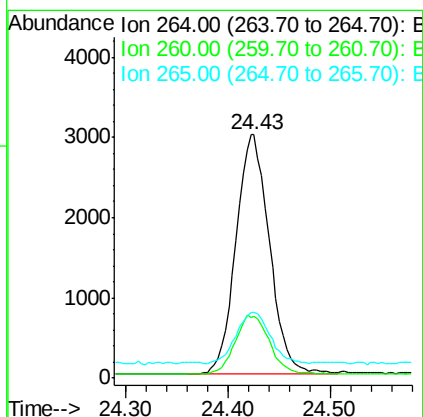
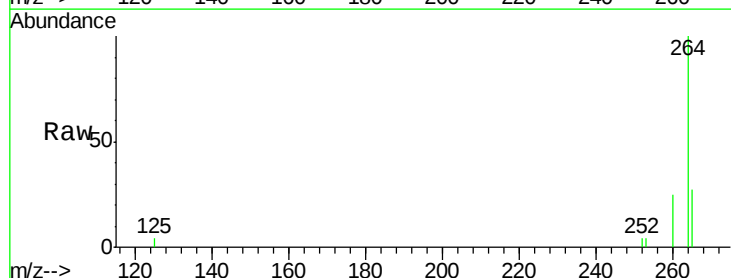
Instrument :
BNA_E
ClientSampleId :
C19013071MSD

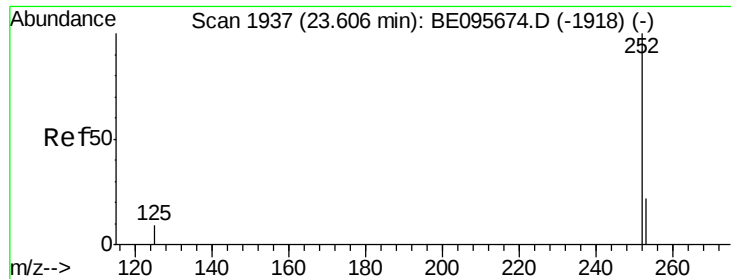
Tot Ion:276 Resp: 7105
Ion Ratio Lower Upper
276 100
138 22.4 22.5 33.7#
277 24.9 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:264 Resp: 6818
Ion Ratio Lower Upper
264 100
260 25.4 20.5 30.7
265 27.0 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.347 ng

RT: 23.61 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

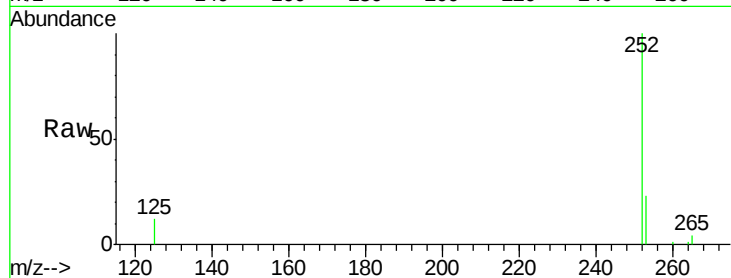
Tot Ion:252 Resp: 8427

Ion Ratio Lower Upper

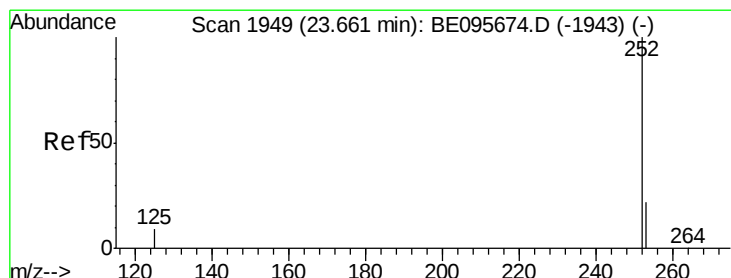
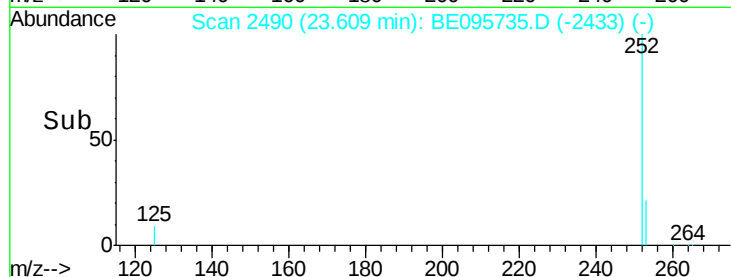
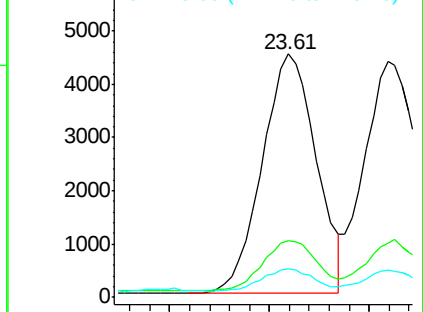
252 100

253 23.1 20.0 30.0

125 11.6 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.350 ng

RT: 23.66 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

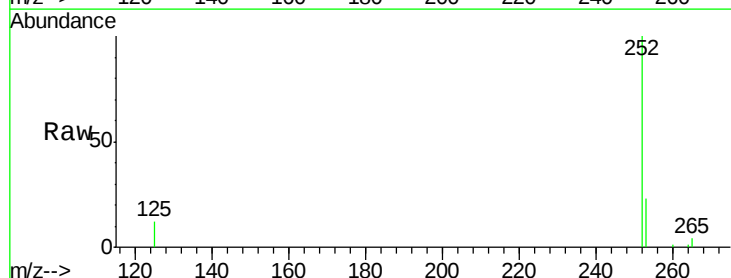
Tgt Ion:252 Resp: 8456

Ion Ratio Lower Upper

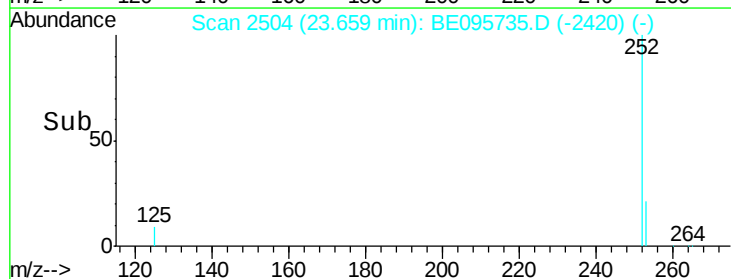
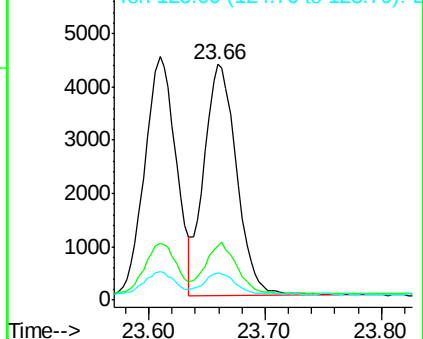
252 100

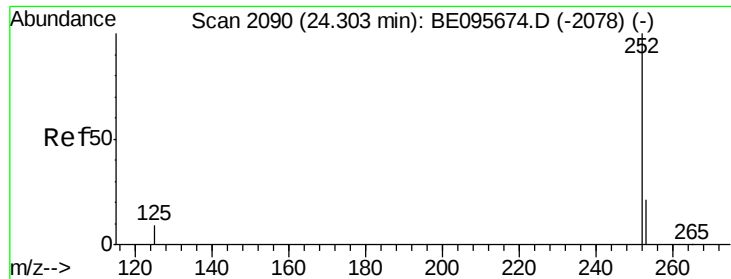
253 23.1 16.0 24.0

125 11.5 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.361 ng

RT: 24.31 min Scan# 2686

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD

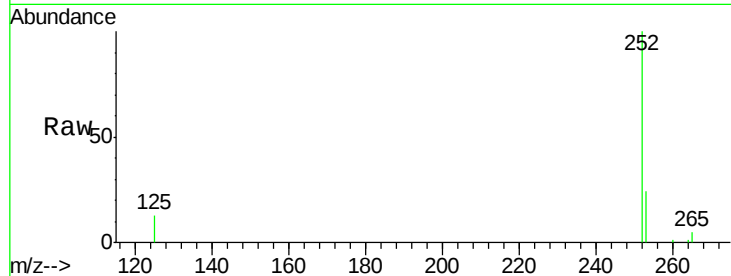
Tot Ion:252 Resp: 7912

Ion Ratio Lower Upper

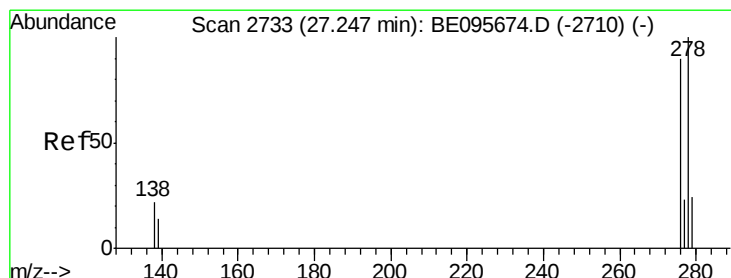
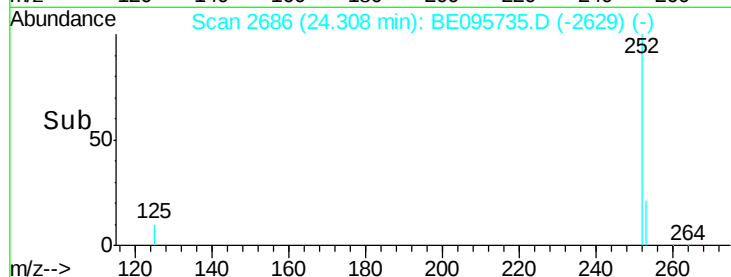
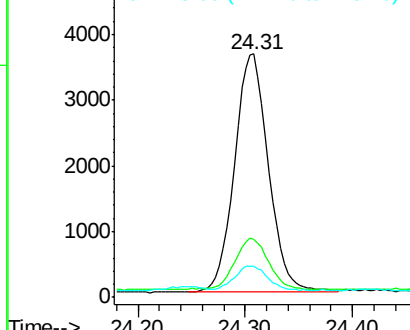
252 100

253 23.8 16.0 24.0

125 12.6 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.305 ng

RT: 27.25 min Scan# 3507

Delta R.T. 0.00 min

Lab File: BE095735.D

Acq: 12 Mar 2018 18:06

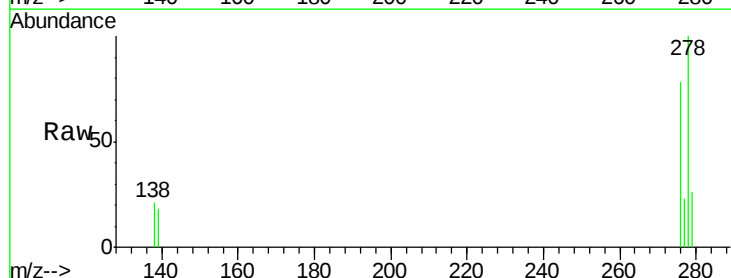
Tgt Ion:278 Resp: 5948

Ion Ratio Lower Upper

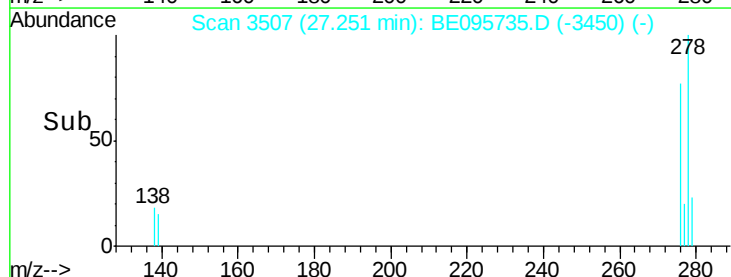
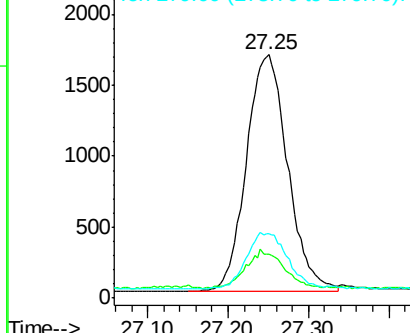
278 100

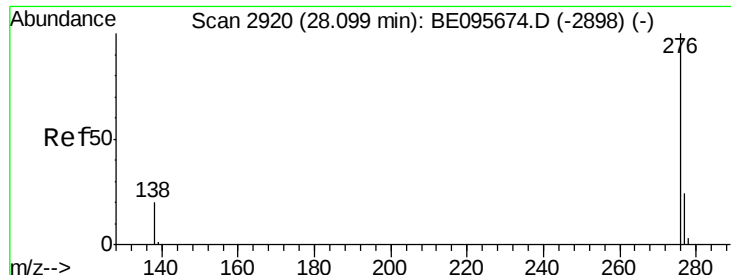
139 18.3 16.0 24.0

279 26.4 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.297 ng

RT: 28.10 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE095735.D

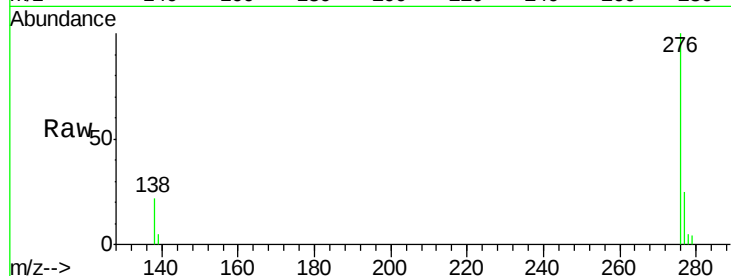
Acq: 12 Mar 2018 18:06

Instrument :

BNA_E

ClientSampleId :

C19013071MSD



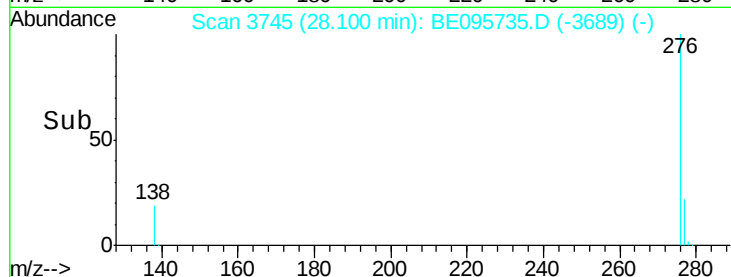
Tot Ion: 276 Resp: 6195

Ion Ratio Lower Upper

276 100

277 24.8 16.0 24.0#

138 22.4 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

