

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
 Data File : BE095734.D
 Acq On : 12 Mar 2018 17:31
 Operator : SJ/JU
 Sample : J1867-13MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 12 18:19:08 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	1627	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	6354	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	4594	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7961	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8163	0.40	ng	0.00
34) Perylene-d12	24.43	264	7874	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	831	0.19	ng	0.00
5) Phenol-d6	7.56	99	754	0.13	ng	0.00
8) Nitrobenzene-d5	9.61	82	2750	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	3503	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	646	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	7193	0.35	ng	0.00
25) Fluoranthene-d10	19.69	212	34918	0.34	ng	0.00
29) Terphenyl-d14	20.24	244	7961	0.49	ng	-0.01

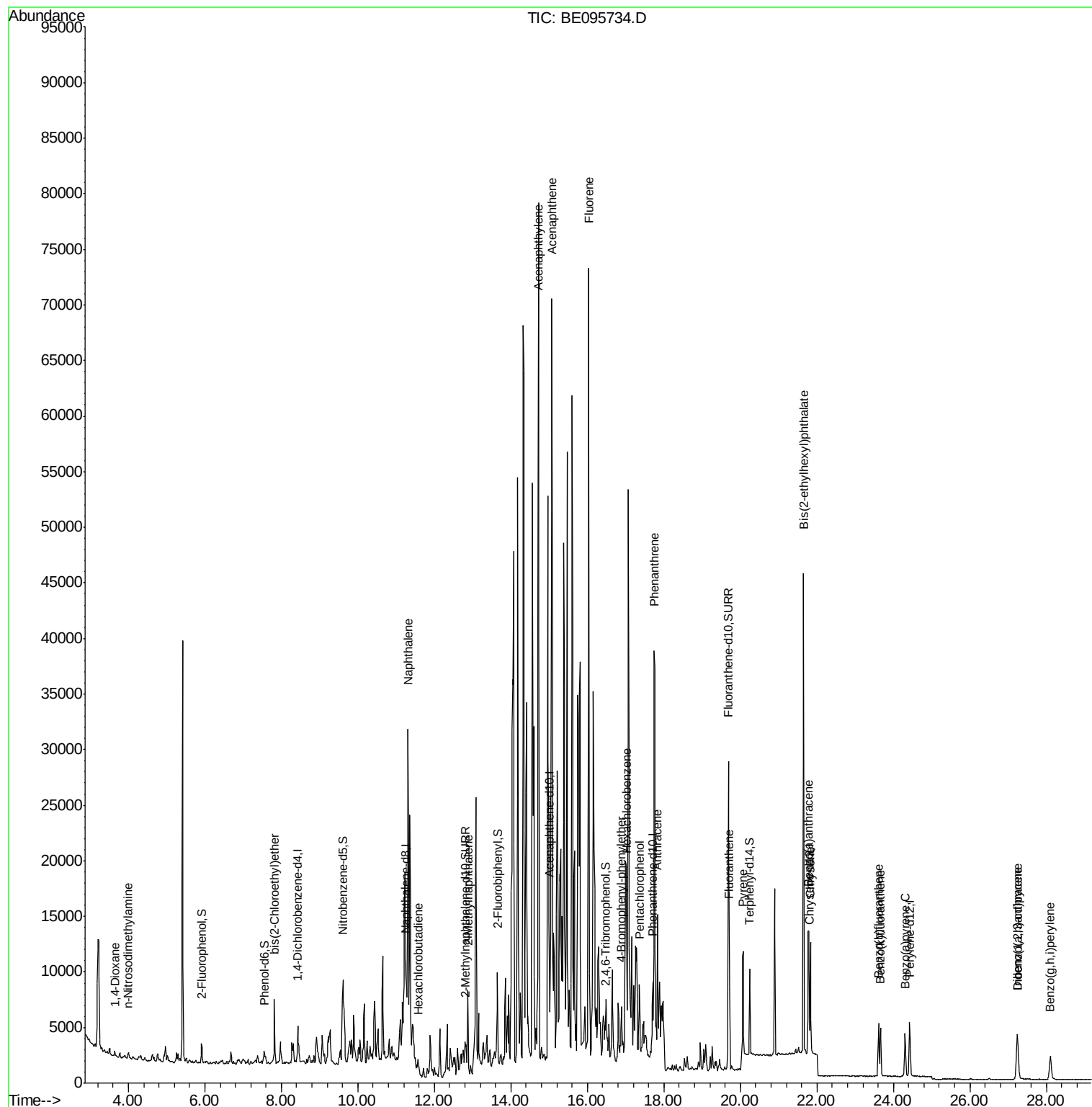
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.64	88	328	0.128	ng	# 33
3) n-Nitrosodimethylamine	4.00	42	447	0.141	ng	# 79
6) bis(2-Chloroethyl)ether	7.82	93	1940	0.318	ng	# 98
9) Naphthalene	11.31	128	41681	0.569	ng	# 90
10) Hexachlorobutadiene	11.57	225	1325	0.310	ng	# 98
12) 2-Methylnaphthalene	12.87	142	5029	0.398	ng	# 90
16) Acenaphthylene	14.73	152	16148	0.626	ng	# 37
17) Acenaphthene	15.07	154	21243	1.311	ng	# 77
18) Fluorene	16.03	166	48377	2.407	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	1608	0.322	ng	# 52
21) Hexachlorobenzene	17.02	284	1513	0.292	ng	# 73
22) Pentachlorophenol	17.36	266	1631	1.037	ng	# 70
23) Phenanthrene	17.74	178	43541	1.750	ng	# 93
24) Anthracene	17.84	178	12036	0.527	ng	# 92
26) Fluoranthene	19.72	202	9996	0.326	ng	# 97
28) Pyrene	20.07	202	12441	0.373	ng	# 94
30) Benzo(a)anthracene	21.78	228	8840	0.332	ng	# 98
31) Chrysene	21.84	228	8339	0.315	ng	# 98
32) Bis(2-ethylhexyl)phthalate	21.66	149	52083	1.106	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.23	276	5656	0.220	ng	# 94
35) Benzo(b)fluoranthene	23.61	252	6831	0.244	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	6583	0.236	ng	# 91
37) Benzo(a)pyrene	24.30	252	6445	0.255	ng	# 93
38) Dibenzo(a,h)anthracene	27.25	278	4962	0.221	ng	# 98
39) Benzo(g,h,i)perylene	28.10	276	5167	0.214	ng	# 92

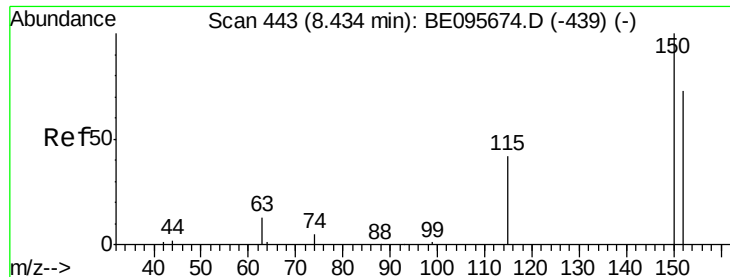
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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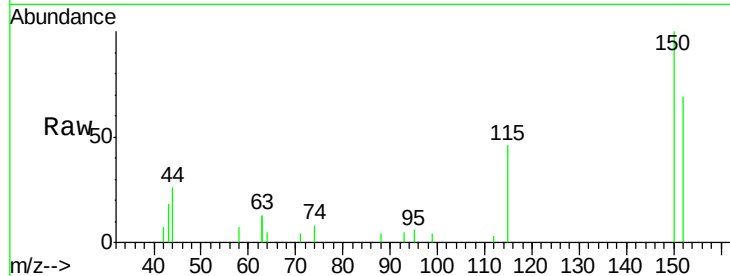


#1

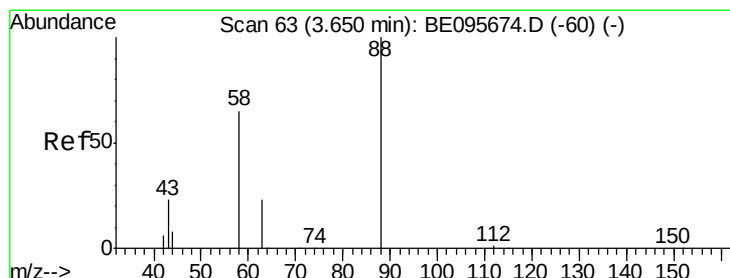
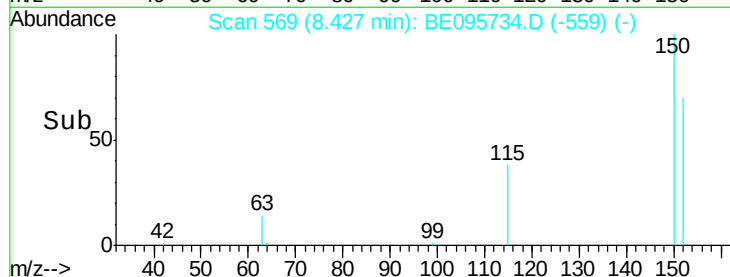
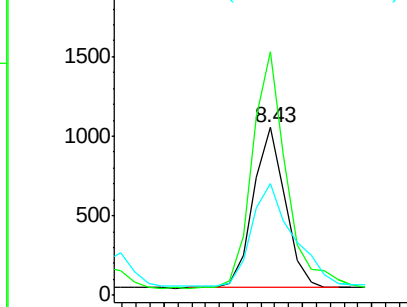
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095734.D
Acq: 12 Mar 2018 17:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1627
Ion Ratio Lower Upper
152 100
150 145.0 117.2 175.8
115 66.4 57.0 85.6



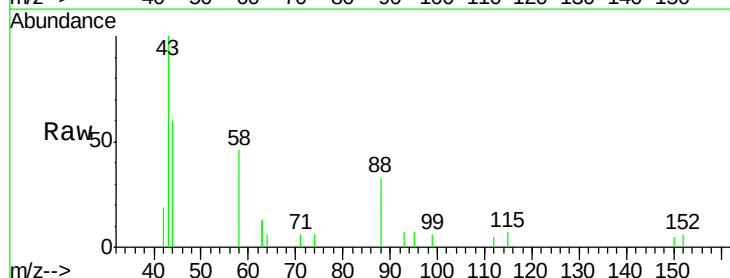
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



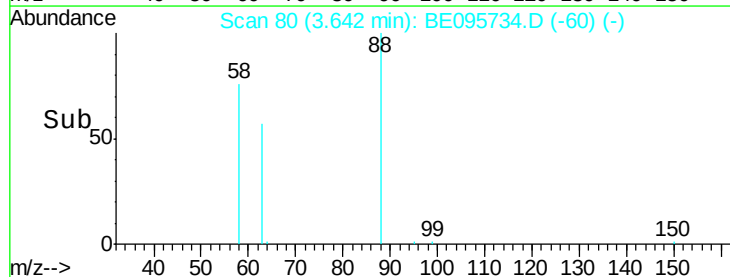
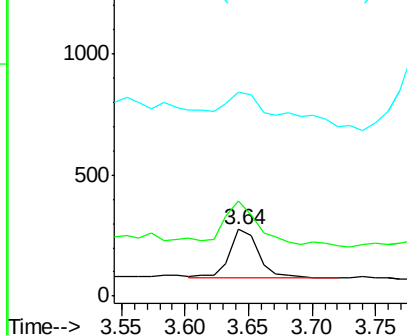
#2

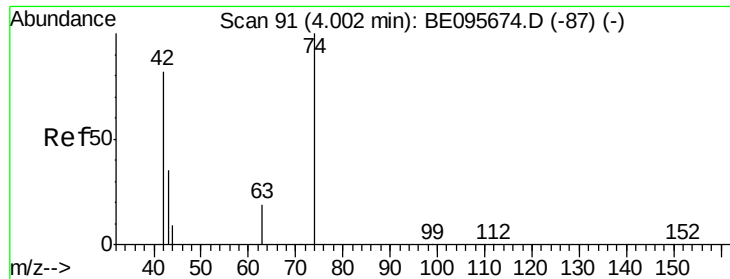
1,4-Dioxane
Concen: 0.128 ng
RT: 3.64 min Scan# 80
Delta R.T. -0.01 min
Lab File: BE095734.D
Acq: 12 Mar 2018 17:31

Tgt Ion: 88 Resp: 328
Ion Ratio Lower Upper
88 100
58 94.5 63.2 94.8
43 150.9 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

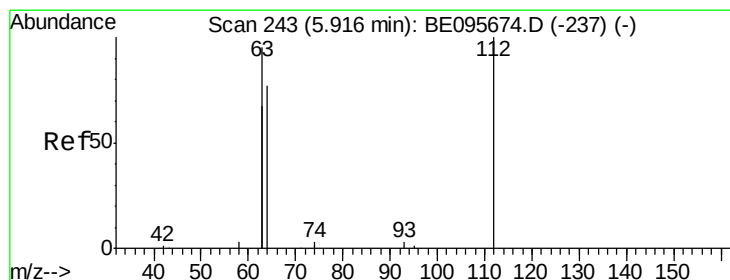
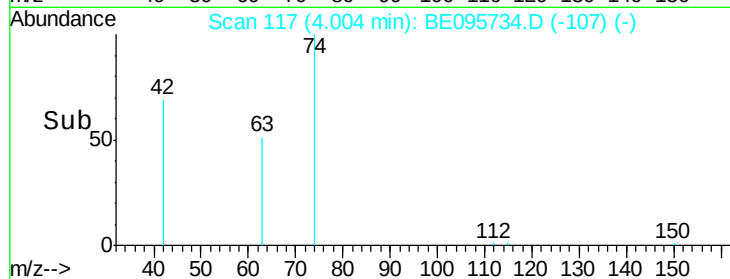
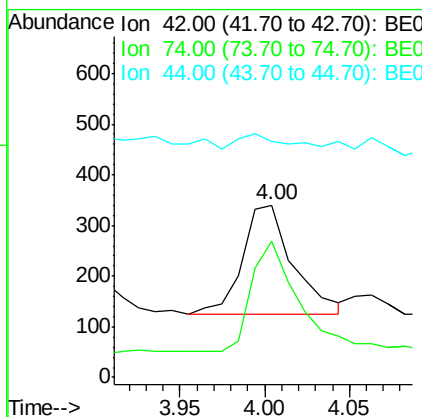
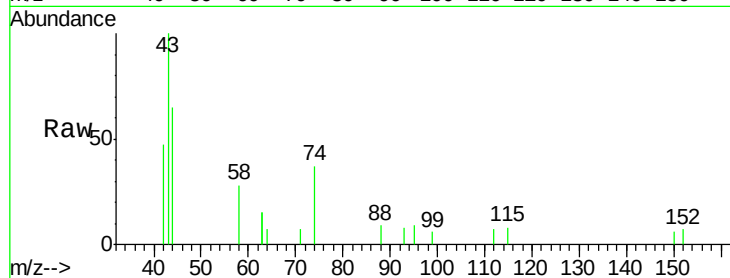




#3
n-Nitrosodimethylamine
Concen: 0.141 ng
RT: 4.00 min Scan# 117
Delta R.T. 0.00 min
Lab File: BE095734.D
Acq: 12 Mar 2018 17:31

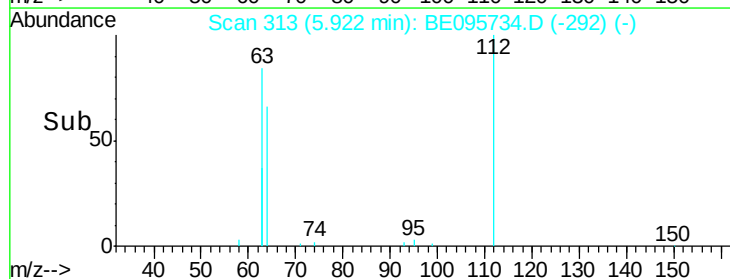
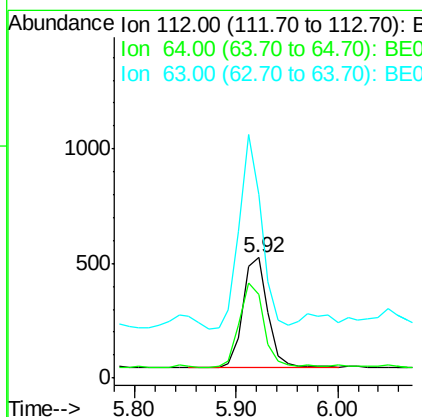
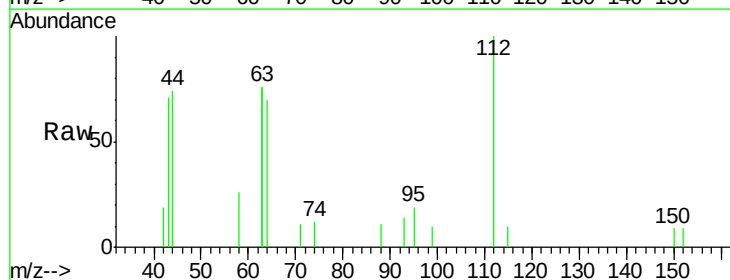
Instrument :
BNA_E
ClientSampled :

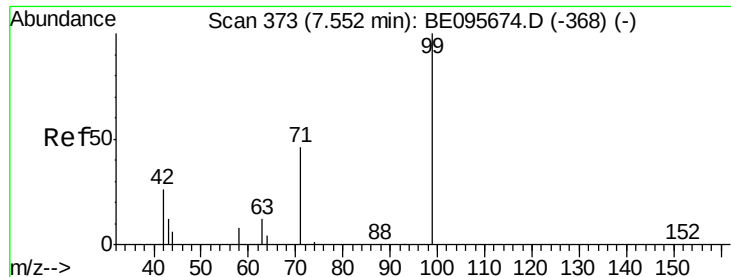
Tot Ion: 42 Resp: 447
Ion Ratio Lower Upper
42 100
74 94.0 96.0 144.0#
44 13.0 12.0 18.0



#4
2-Fluorophenol
Concen: 0.193 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095734.D
Acq: 12 Mar 2018 17:31

Tgt Ion: 112 Resp: 831
Ion Ratio Lower Upper
112 100
64 74.5 60.1 90.1
63 155.2 116.8 175.2





#5

Phenol-d6

Concen: 0.127 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

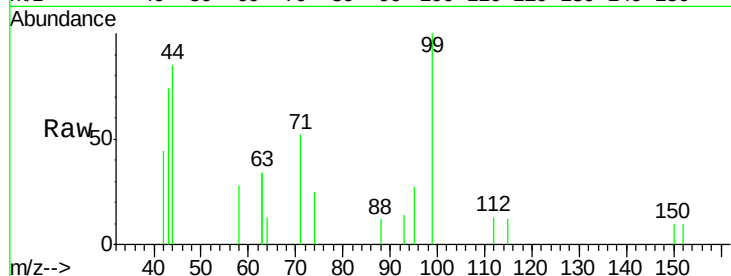
Tot Ion: 99 Resp: 754

Ion Ratio Lower Upper

99 100

42 40.7 20.2 30.2#

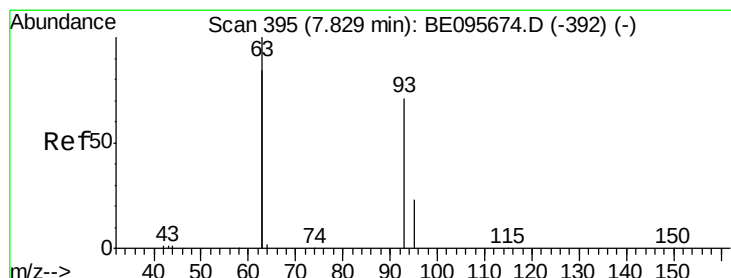
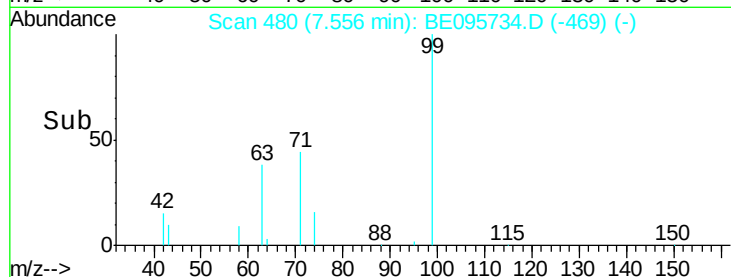
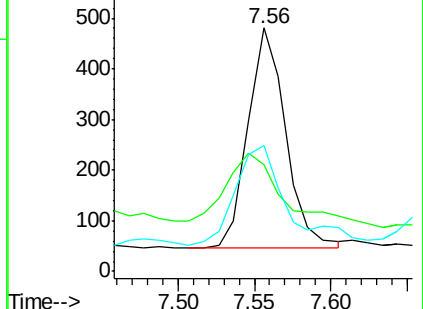
71 58.9 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.318 ng

RT: 7.82 min Scan# 507

Delta R.T. -0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

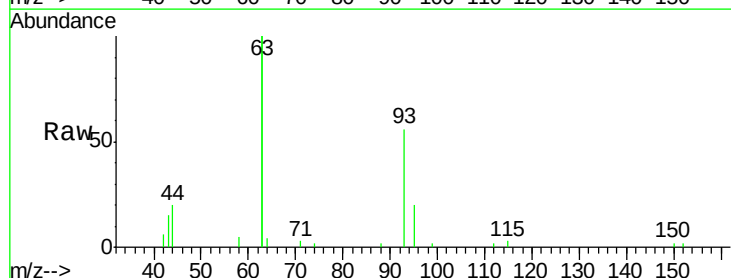
Tgt Ion: 93 Resp: 1940

Ion Ratio Lower Upper

93 100

63 342.2 275.3 412.9

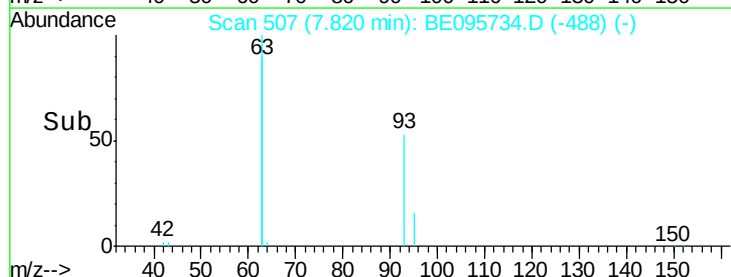
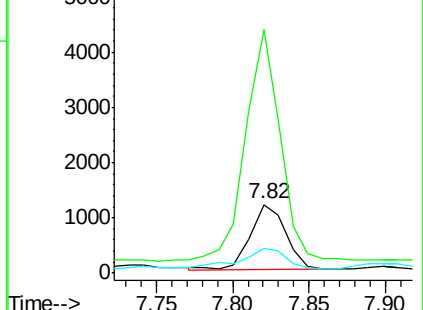
95 40.3 25.2 37.8#

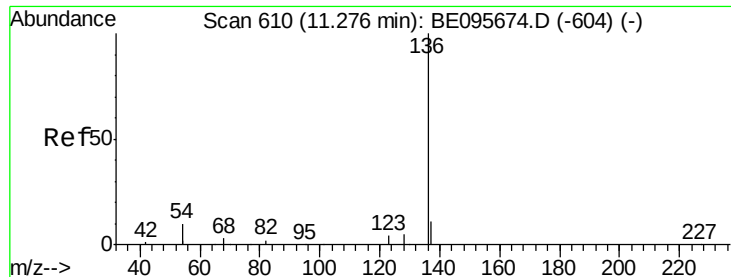


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.02 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6354

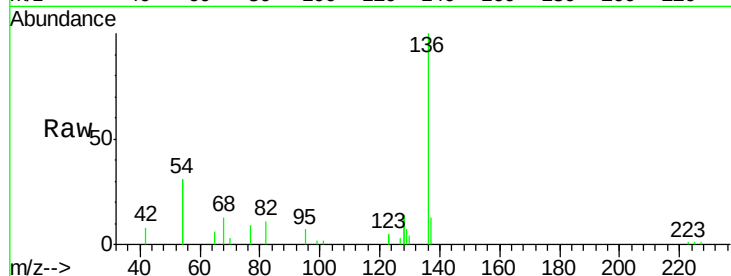
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 62.4 29.1 43.7#

68 12.9 6.2 9.2#

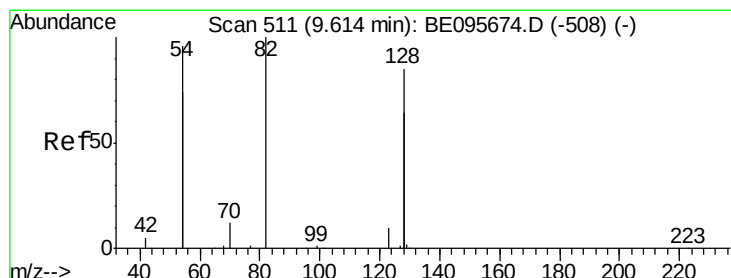
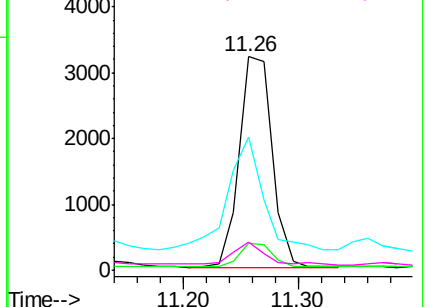
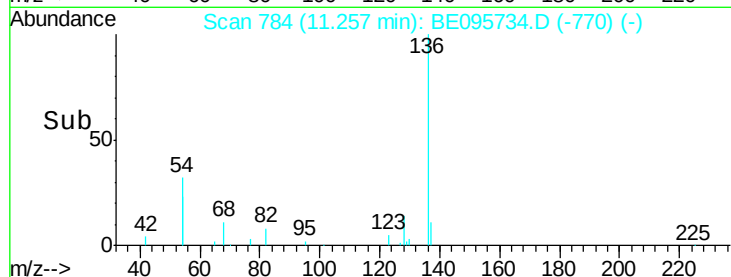


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.420 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

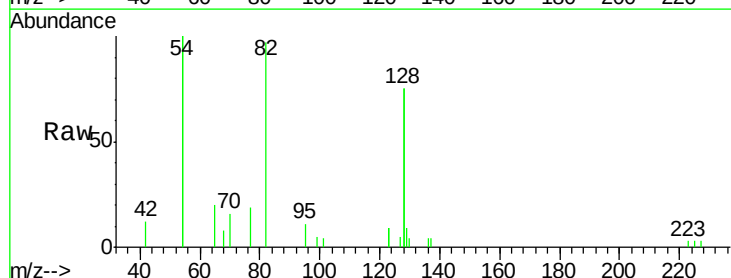
Tgt Ion: 82 Resp: 2750

Ion Ratio Lower Upper

82 100

128 153.9 150.0 225.0

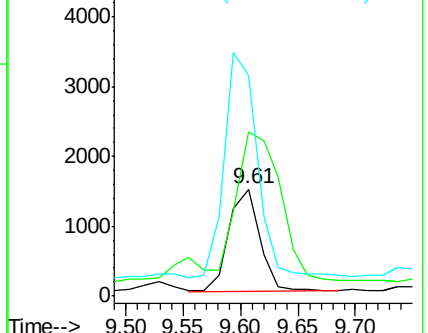
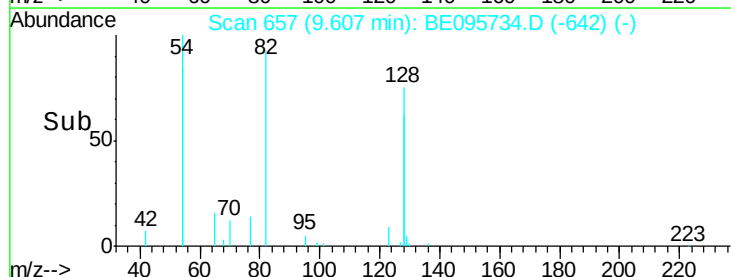
54 206.3 154.2 231.4

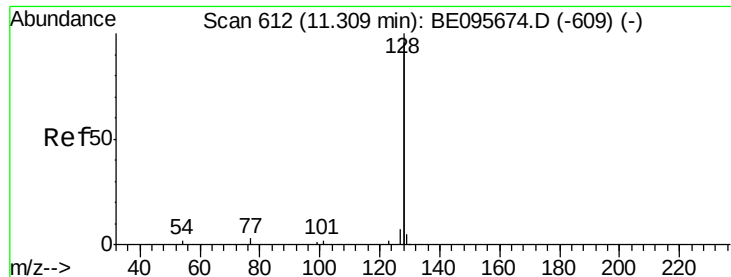


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.569 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

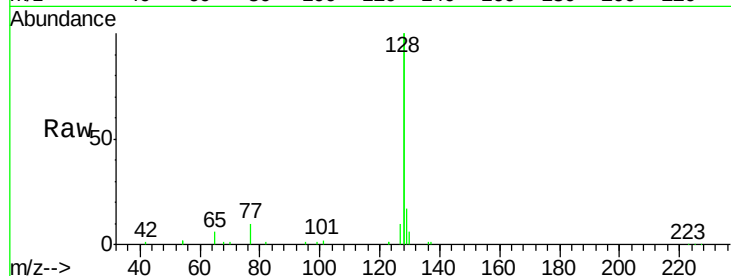
Tot Ion:128 Resp: 41681

Ion Ratio Lower Upper

128 100

129 8.7 2.6 3.8#

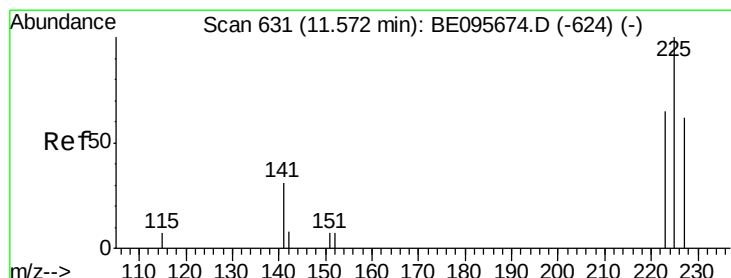
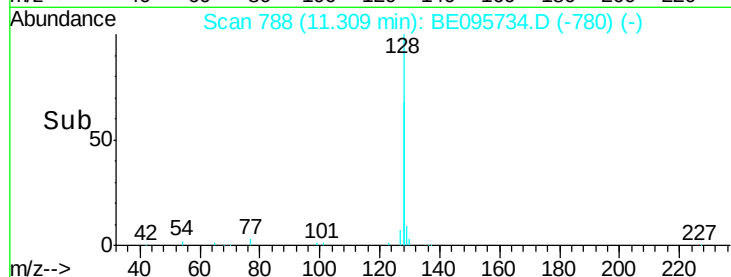
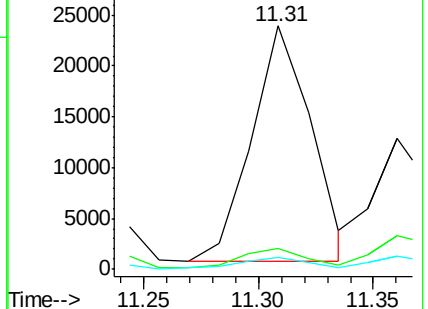
127 5.1 2.8 4.2#



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: 0.310 ng

RT: 11.57 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

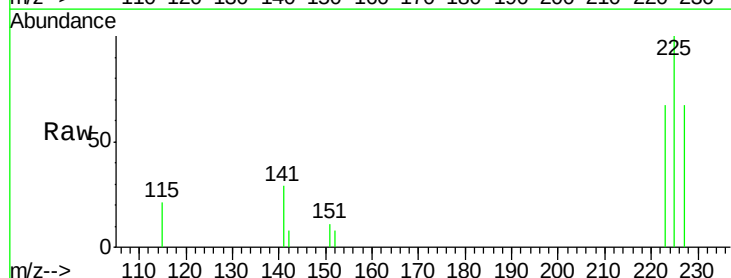
Tgt Ion:225 Resp: 1325

Ion Ratio Lower Upper

225 100

223 69.3 53.0 79.6

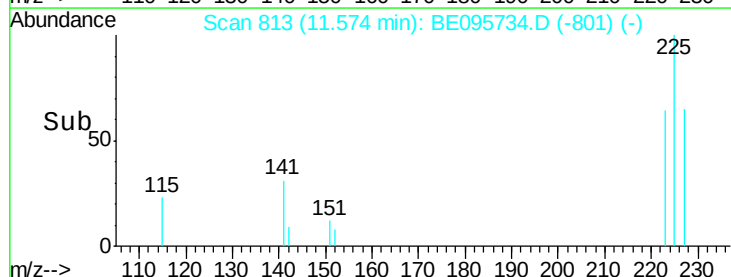
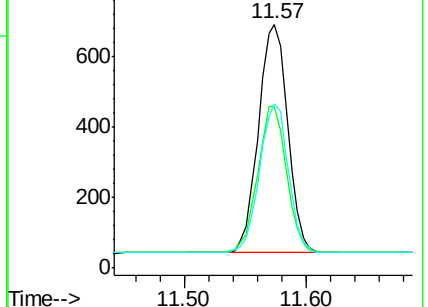
227 63.9 51.4 77.2

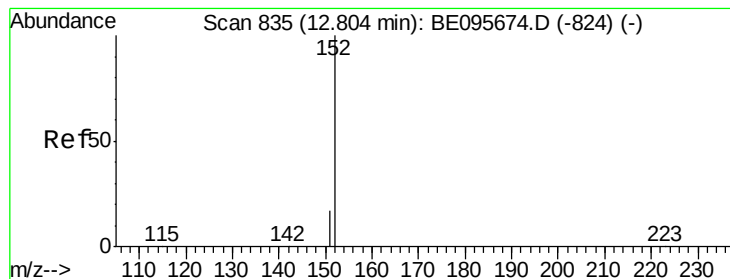


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.330 ng

RT: 12.80 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

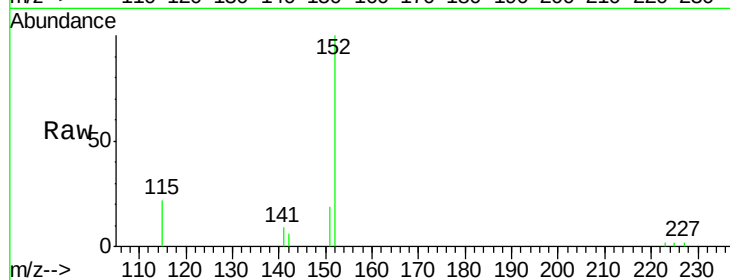
ClientSampleId :

Tot Ion:152 Resp: 3503

Ion Ratio Lower Upper

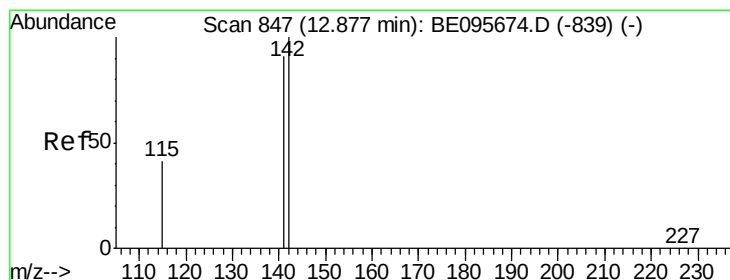
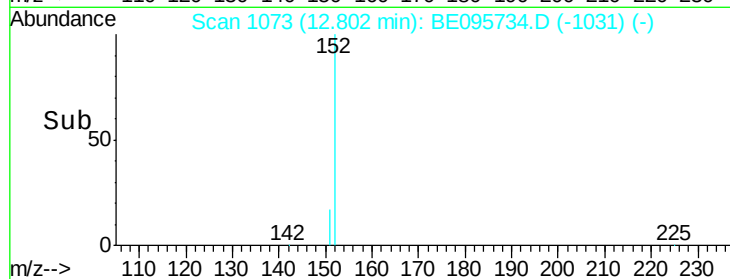
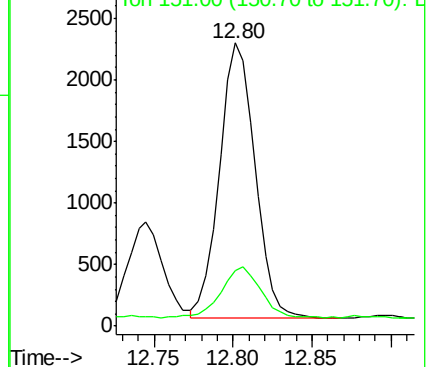
152 100

151 21.3 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: 0.398 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

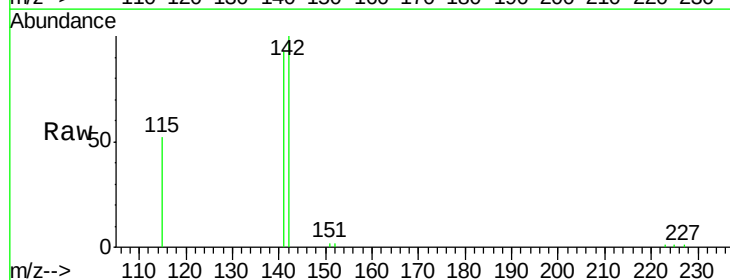
Tgt Ion:142 Resp: 5029

Ion Ratio Lower Upper

142 100

141 92.8 70.4 105.6

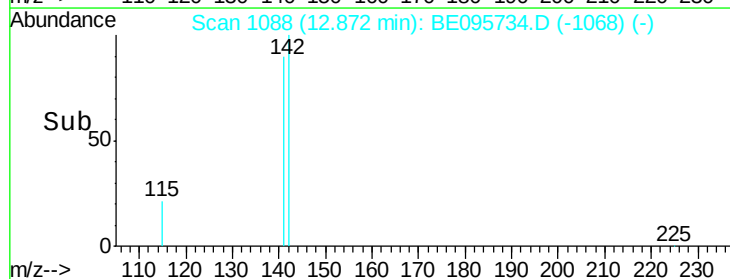
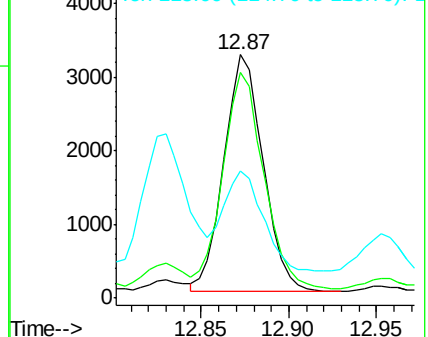
115 52.2 31.7 47.5#

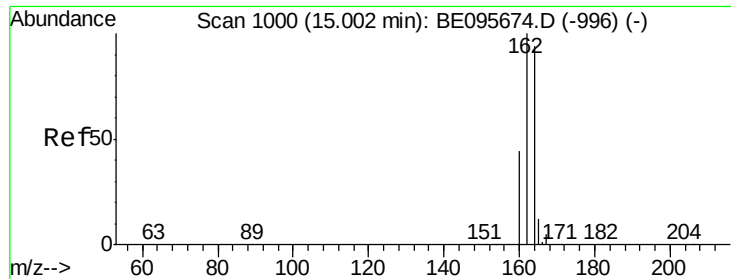


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

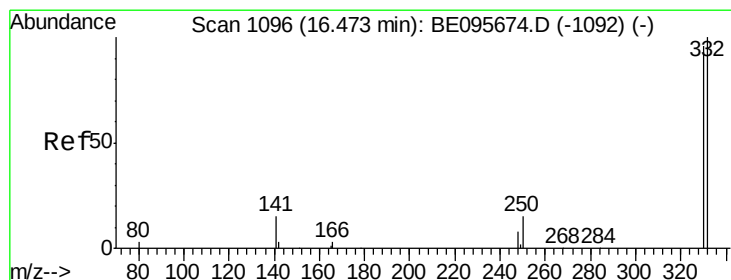
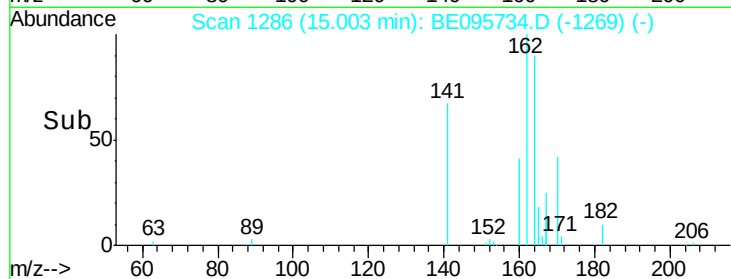
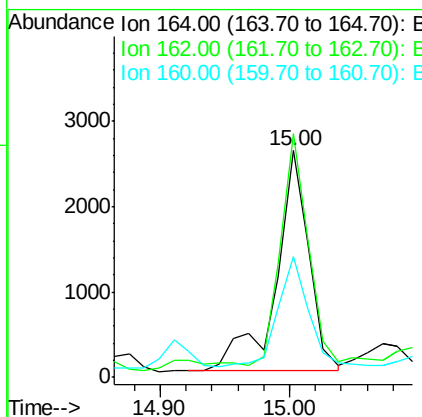
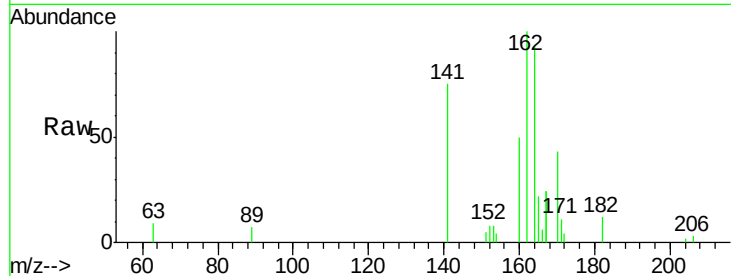




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.00 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BE095734.D
 Acq: 12 Mar 2018 17:31

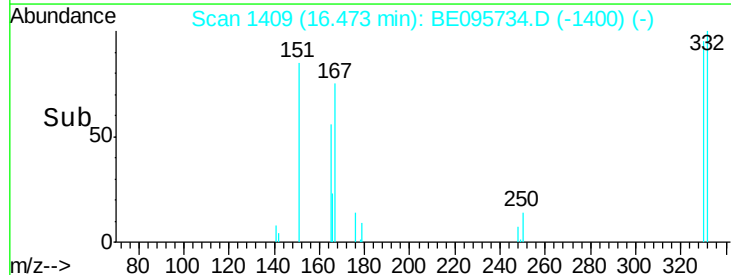
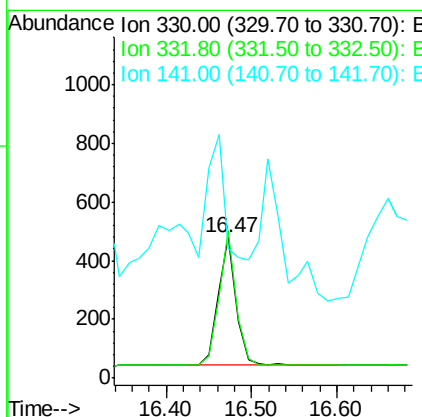
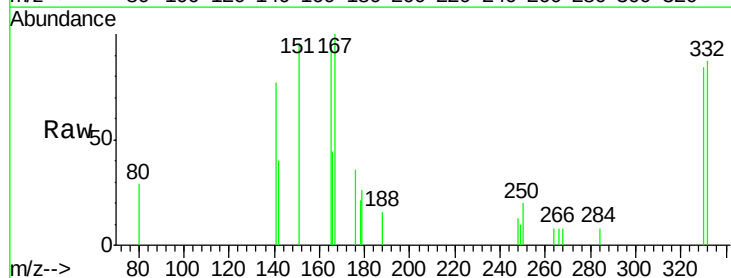
Instrument :
 BNA_E
 ClientSampleId :

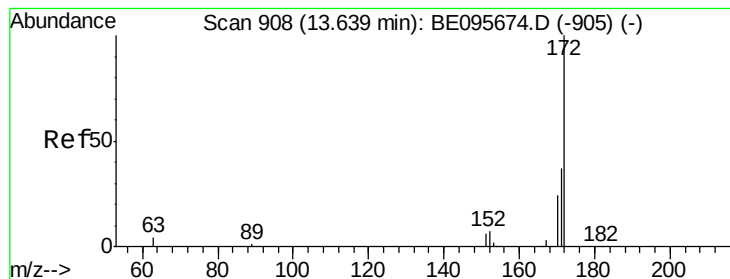
Tot Ion:164 Resp: 4594
 Ion Ratio Lower Upper
 164 100
 162 107.4 83.1 124.7
 160 53.4 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.409 ng
 RT: 16.47 min Scan# 1409
 Delta R.T. 0.00 min
 Lab File: BE095734.D
 Acq: 12 Mar 2018 17:31

Tgt Ion:330 Resp: 646
 Ion Ratio Lower Upper
 330 100
 332 100.8 152.7 229.1#
 141 99.2 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.350 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

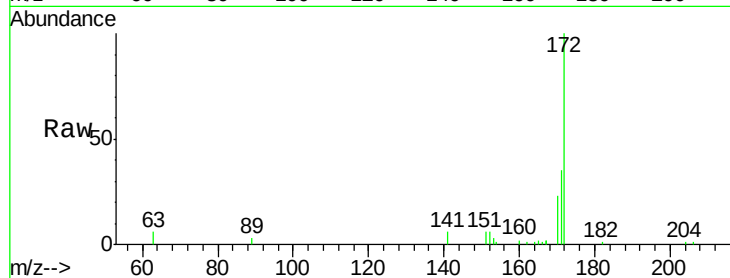
Tot Ion:172 Resp: 7193

Ion Ratio Lower Upper

172 100

171 35.4 29.9 44.9

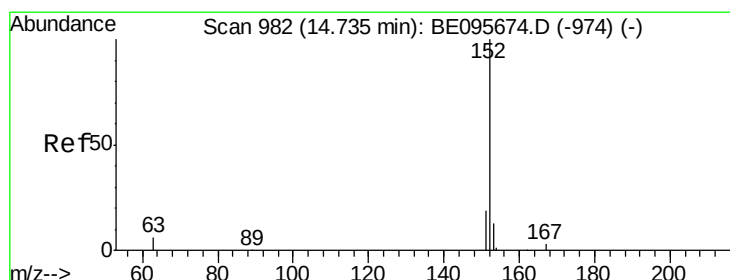
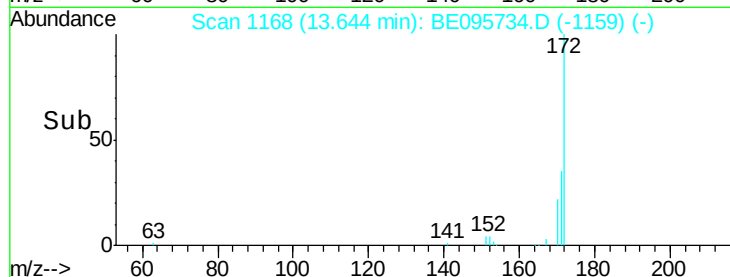
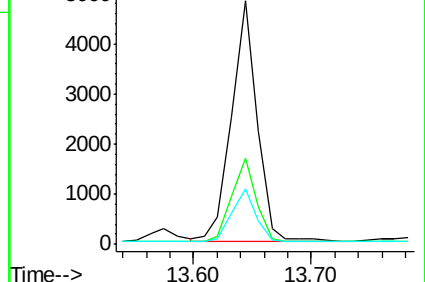
170 23.0 21.8 32.8



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: 0.626 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

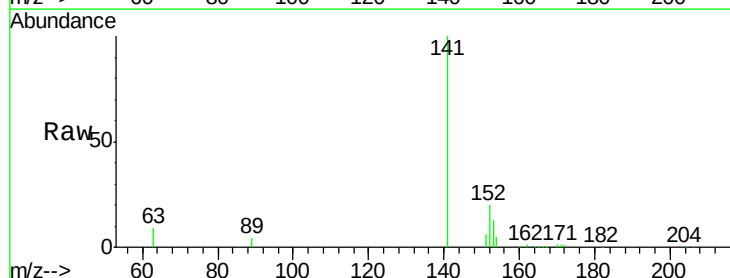
Tgt Ion:152 Resp: 16148

Ion Ratio Lower Upper

152 100

151 26.6 15.7 23.5#

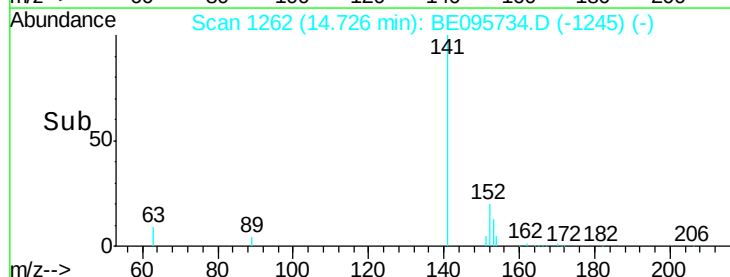
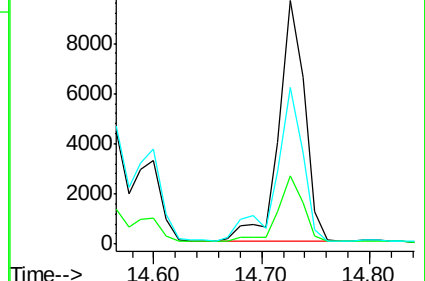
153 66.4 10.5 15.7#

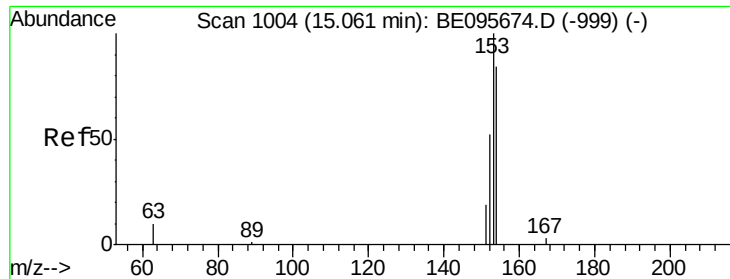


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

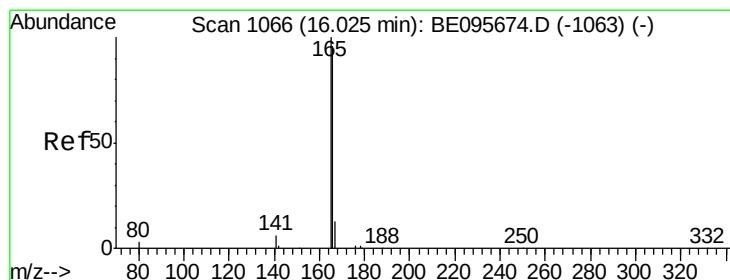
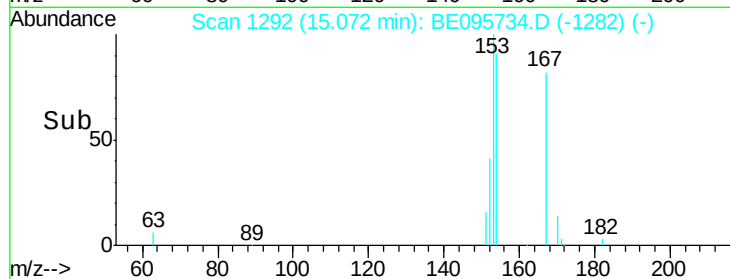
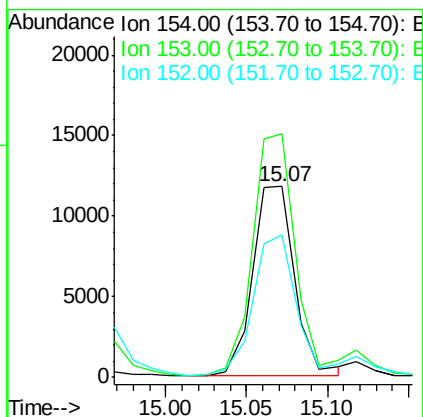
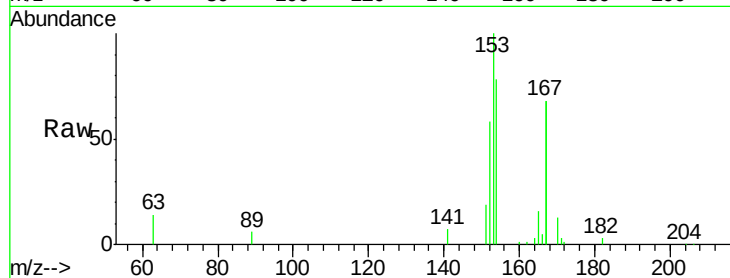




#17
Acenaphthene
Concen: 1.311 ng
RT: 15.07 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BE095734.D
Acq: 12 Mar 2018 17:31

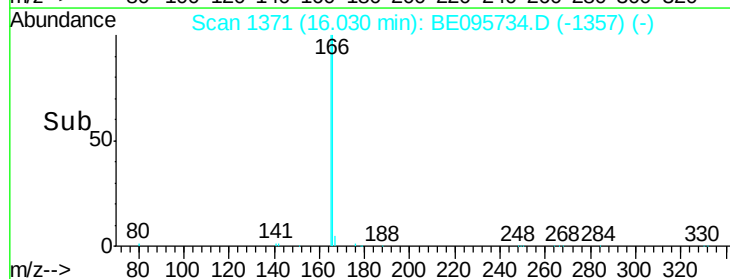
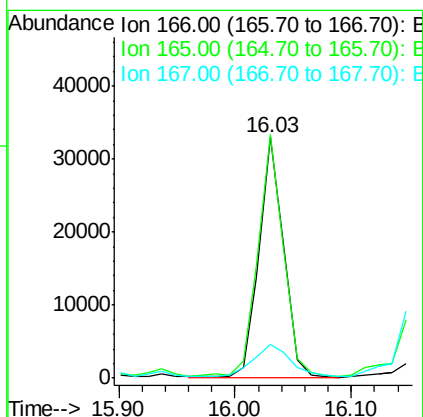
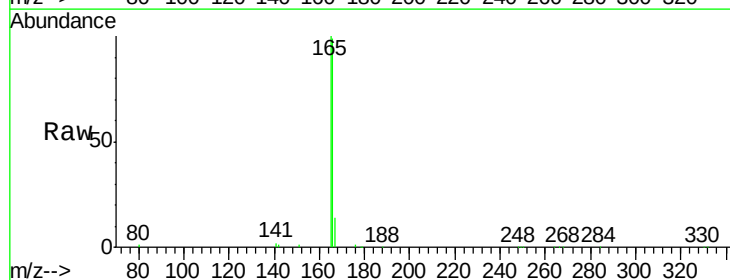
Instrument :
BNA_E
ClientSampleId :

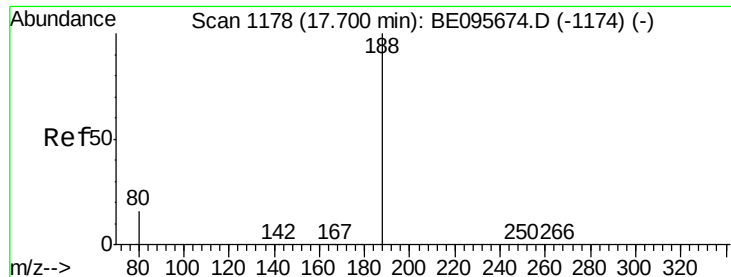
Tot Ion:154 Resp: 21243
Ion Ratio Lower Upper
154 100
153 130.6 89.2 133.8
152 77.3 42.0 63.0#



#18
Fluorene
Concen: 2.407 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BE095734.D
Acq: 12 Mar 2018 17:31

Tgt Ion:166 Resp: 48377
Ion Ratio Lower Upper
166 100
165 104.1 77.8 116.6
167 20.5 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: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

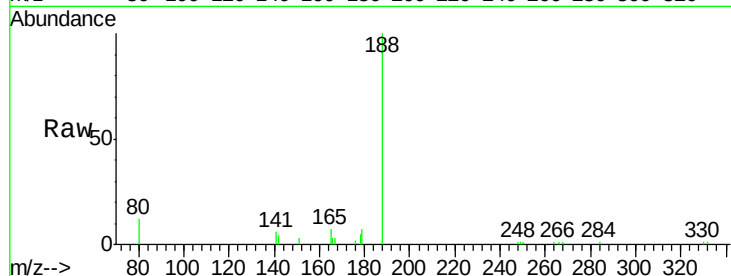
Tot Ion:188 Resp: 7961

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

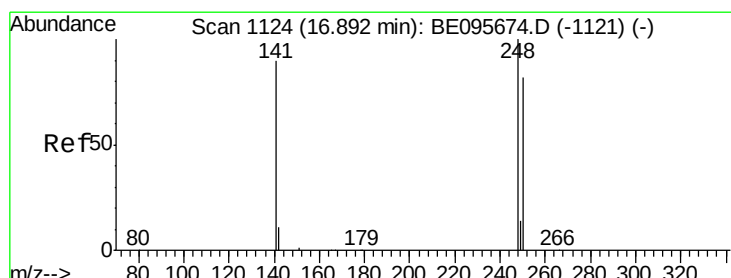
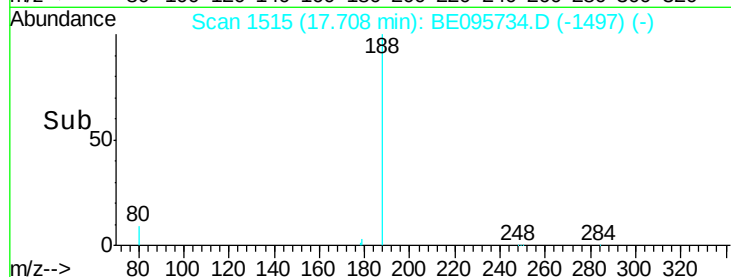
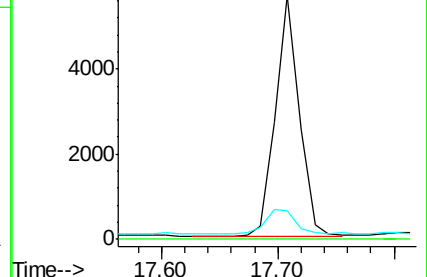
80 11.8 3.6 5.4#



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: 0.322 ng

RT: 16.89 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

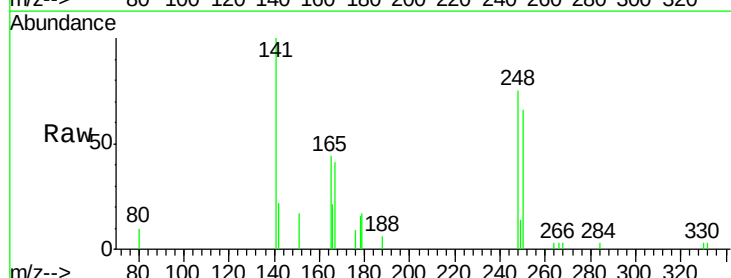
Tgt Ion:248 Resp: 1608

Ion Ratio Lower Upper

248 100

250 87.4 62.7 94.1

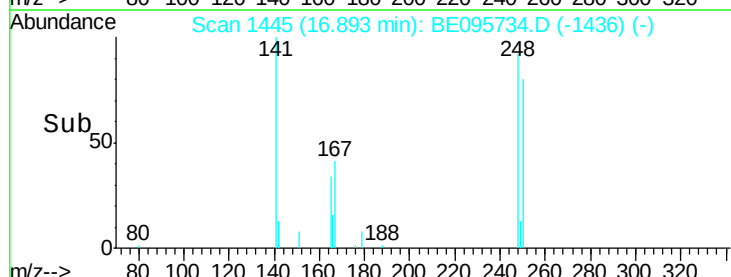
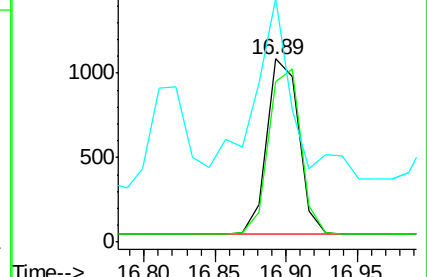
141 133.1 48.2 72.2#

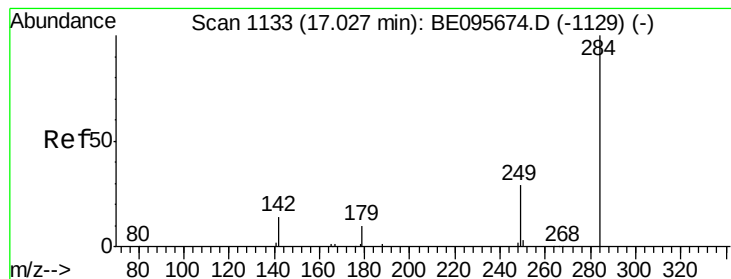


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.292 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

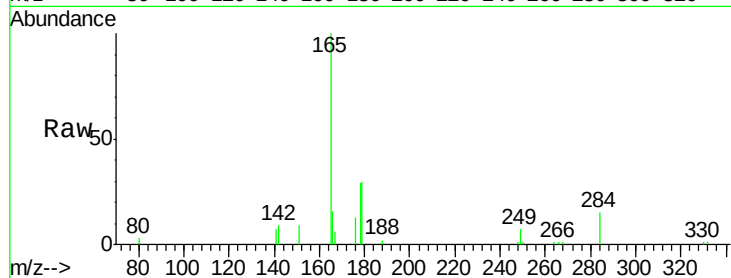
Tot Ion:284 Resp: 1513

Ion Ratio Lower Upper

284 100

142 54.0 22.1 33.1#

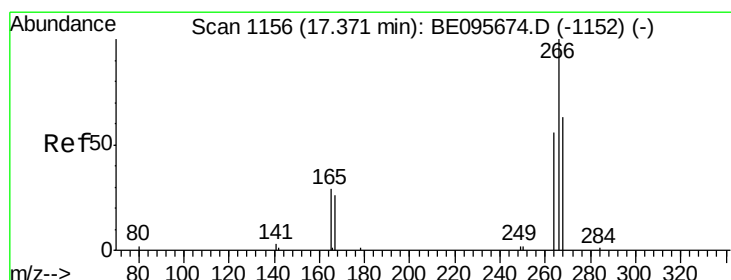
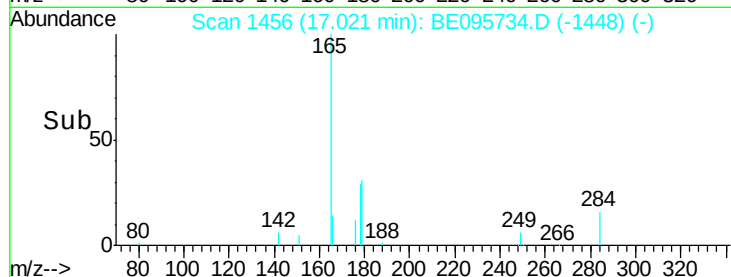
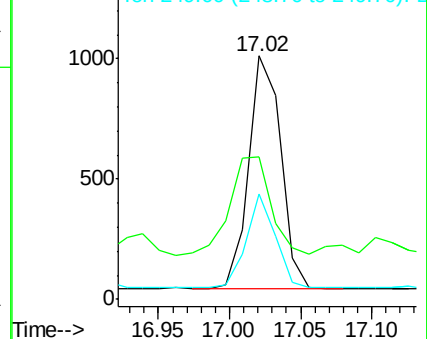
249 35.9 34.8 52.2



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: 1.037 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

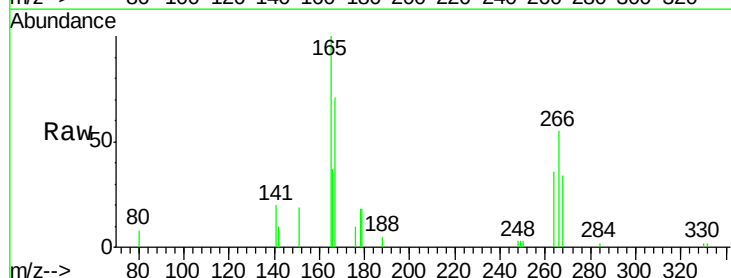
Tgt Ion:266 Resp: 1631

Ion Ratio Lower Upper

266 100

264 64.4 72.5 108.7#

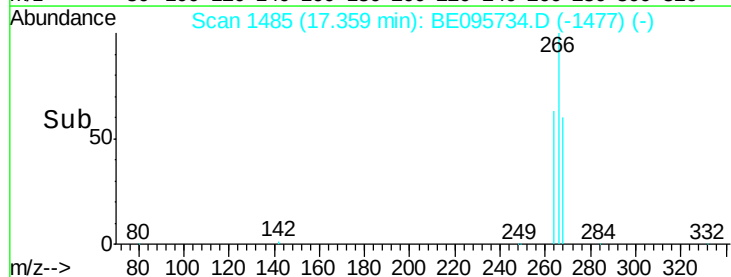
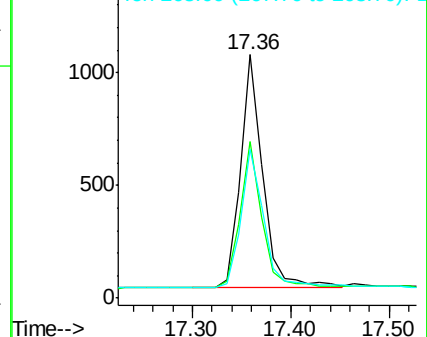
268 61.4 73.8 110.6#

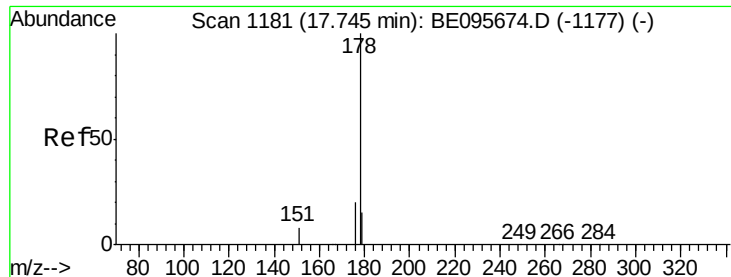


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.750 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

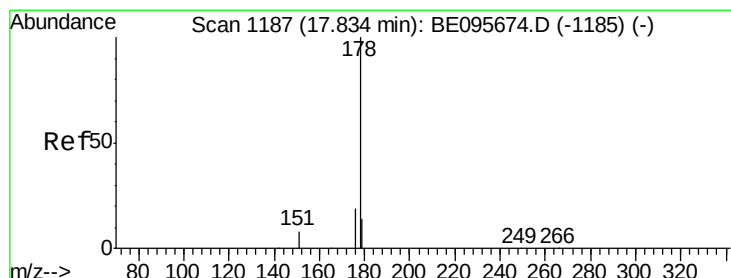
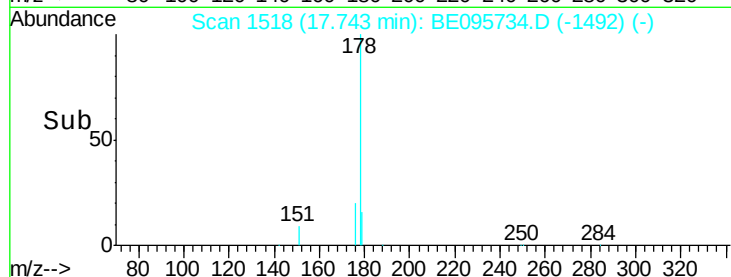
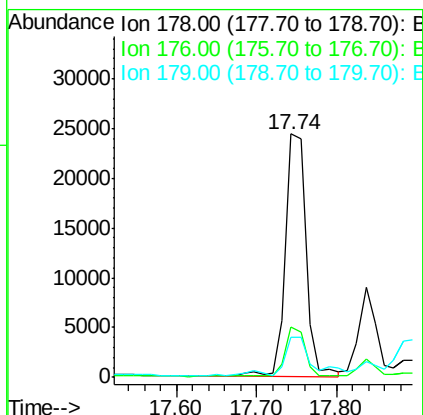
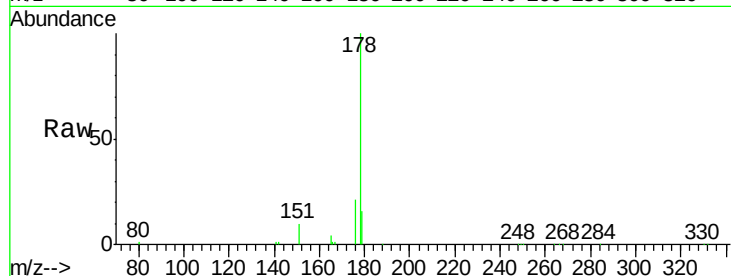
Tot Ion:178 Resp: 43541

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 20.6 11.8 17.6#



#24

Anthracene

Concen: 0.527 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

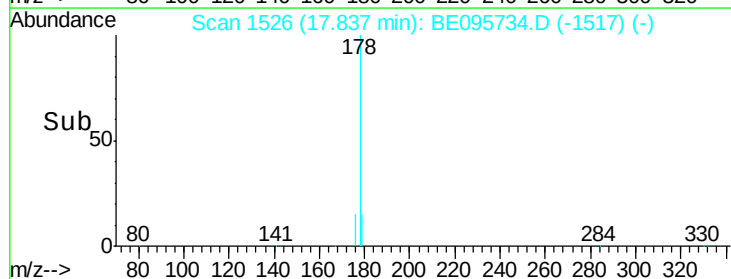
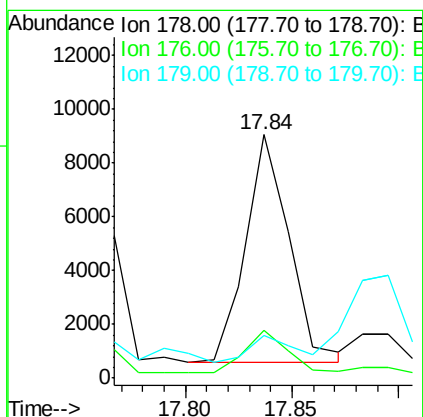
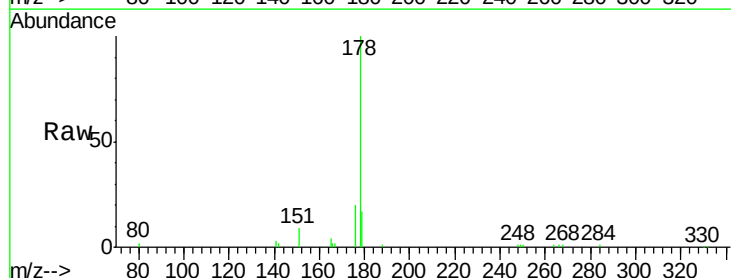
Tgt Ion:178 Resp: 12036

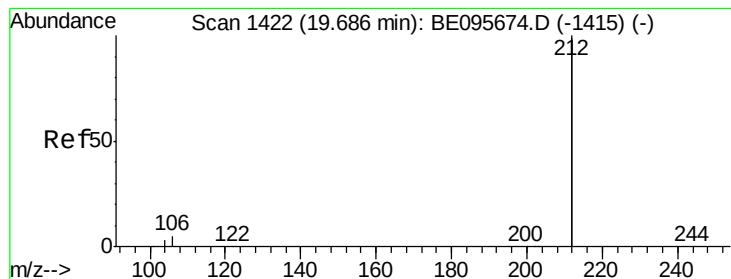
Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

179 12.2 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

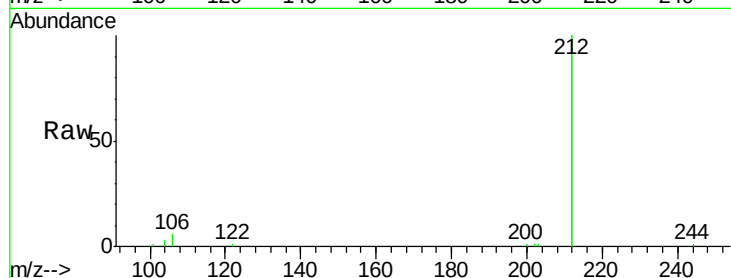
Tot Ion:212 Resp: 34918

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

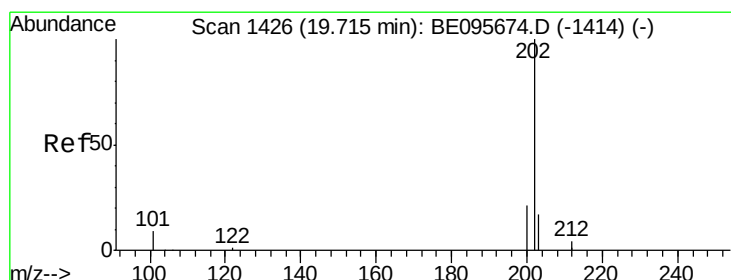
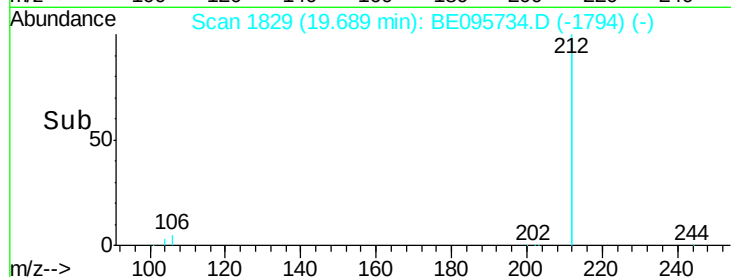
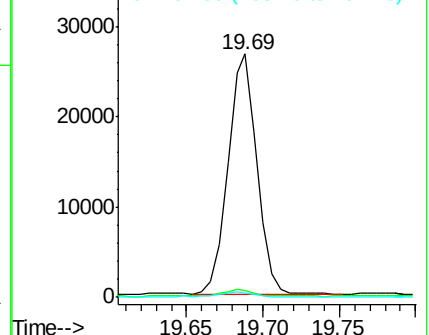
104 2.1 1.6 2.4



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: 0.326 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

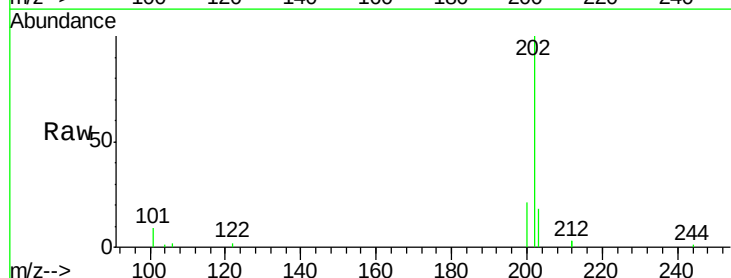
Tgt Ion:202 Resp: 9996

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

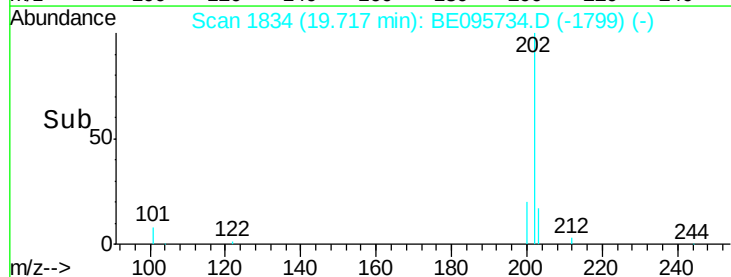
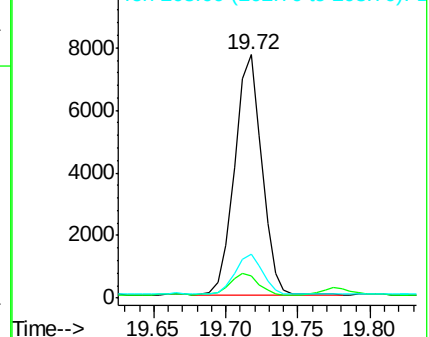
203 16.8 13.7 20.5

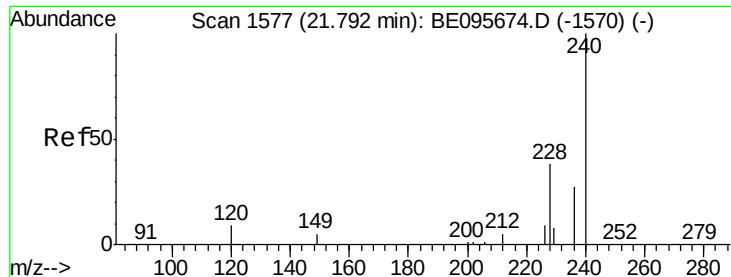


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

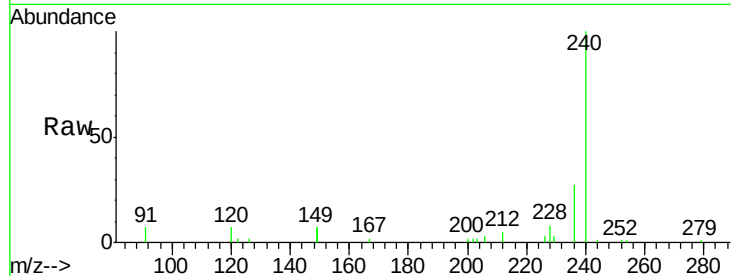
Tot Ion:240 Resp: 8163

Ion Ratio Lower Upper

240 100

120 6.5 5.5 8.3

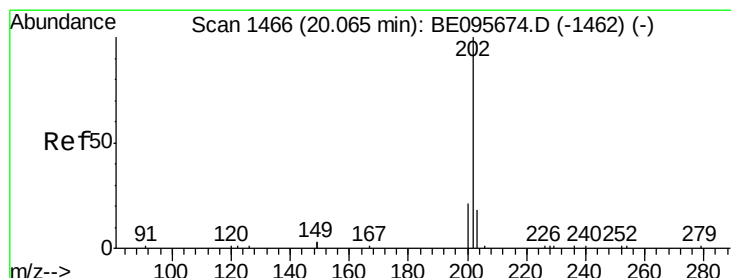
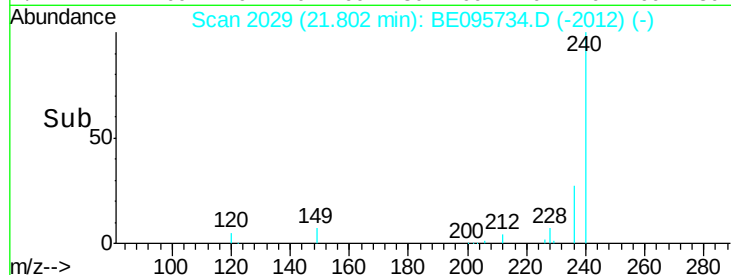
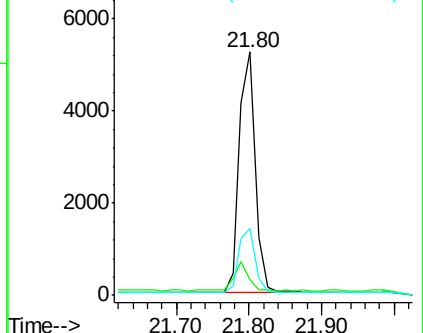
236 27.5 20.7 31.1



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

Pyrene

Concen: 0.373 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

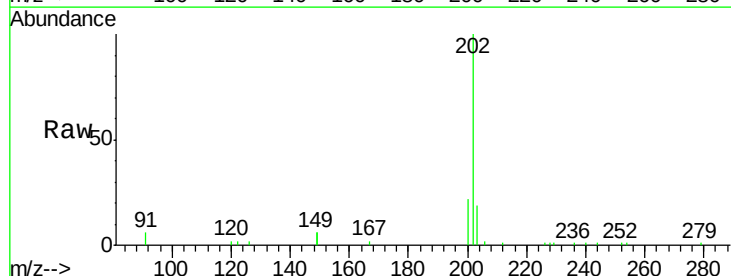
Tgt Ion:202 Resp: 12441

Ion Ratio Lower Upper

202 100

200 23.0 16.6 25.0

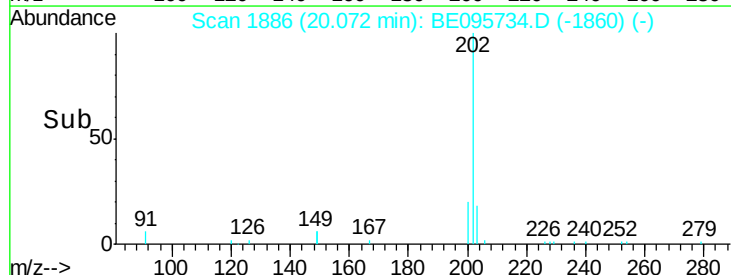
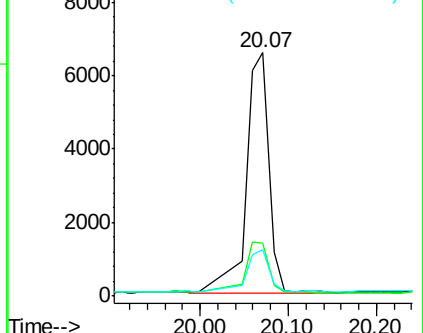
203 20.5 13.8 20.8

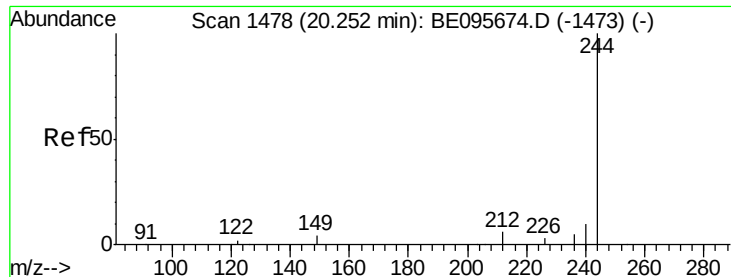


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.489 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

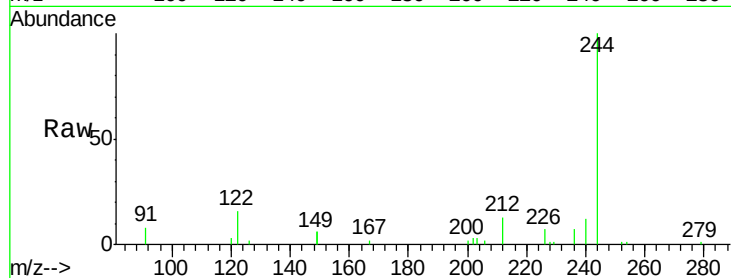
Tot Ion:244 Resp: 7961

Ion Ratio Lower Upper

244 100

212 12.9 25.4 38.0#

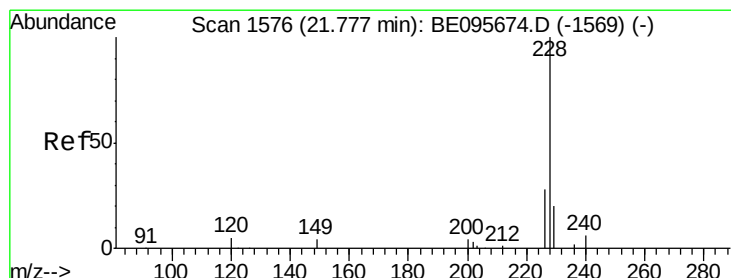
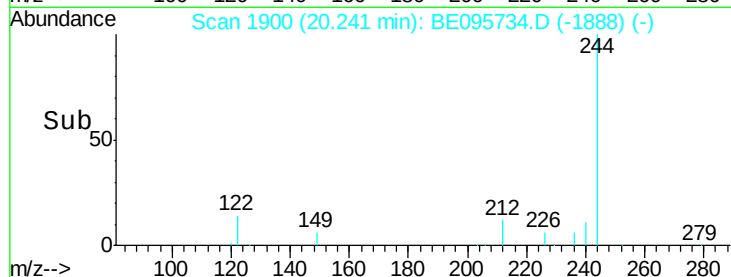
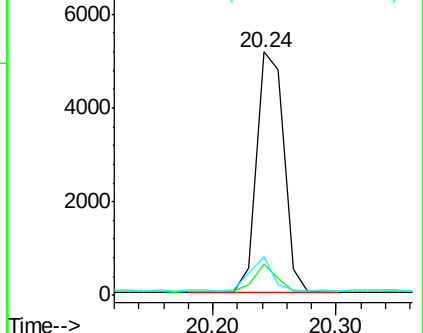
122 15.9 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.332 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

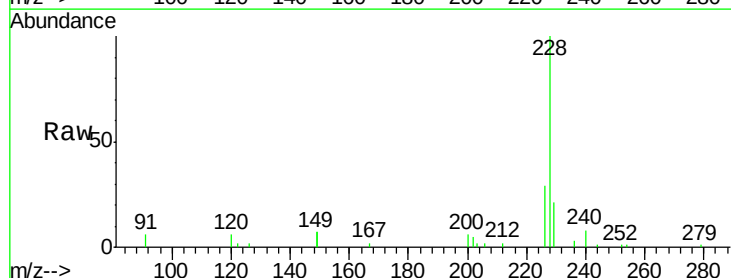
Tgt Ion:228 Resp: 8840

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

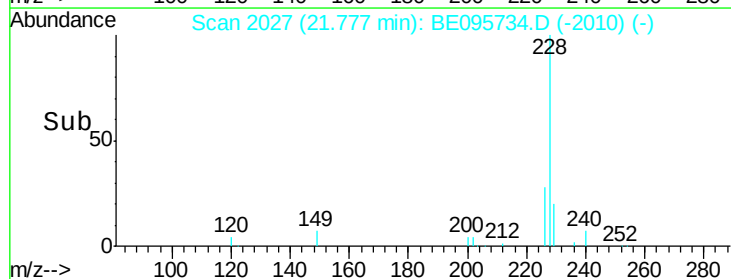
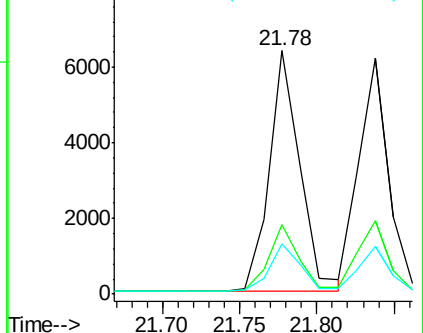
229 20.6 16.0 24.0

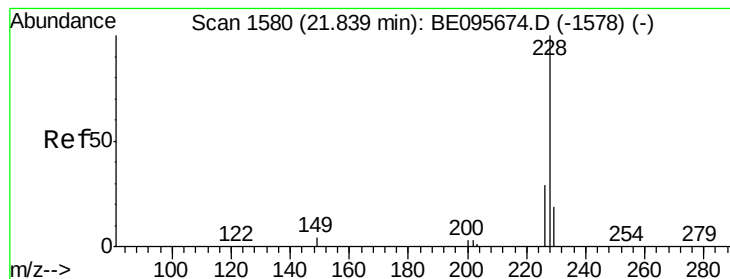


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.315 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

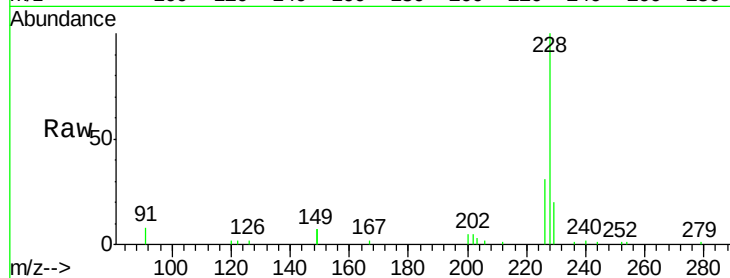
Tot Ion:228 Resp: 8339

Ion Ratio Lower Upper

228 100

226 31.3 24.0 36.0

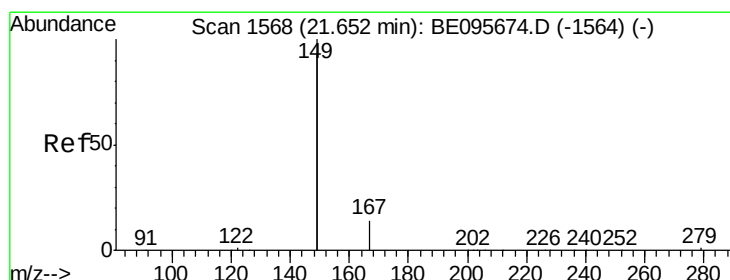
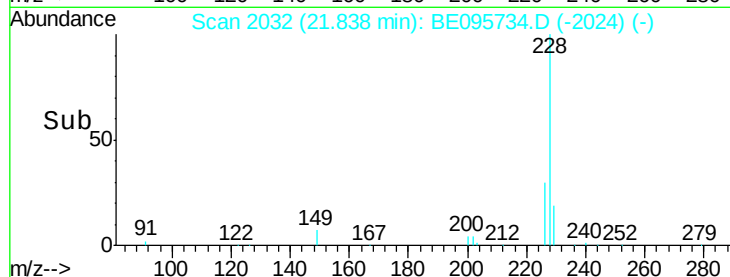
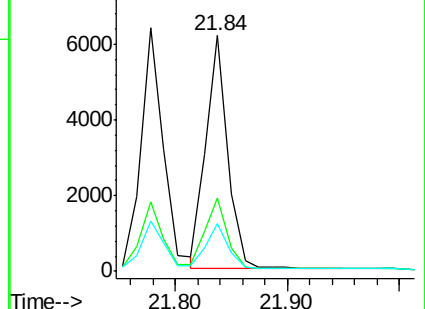
229 20.5 16.0 24.0



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: 1.106 ng

RT: 21.66 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

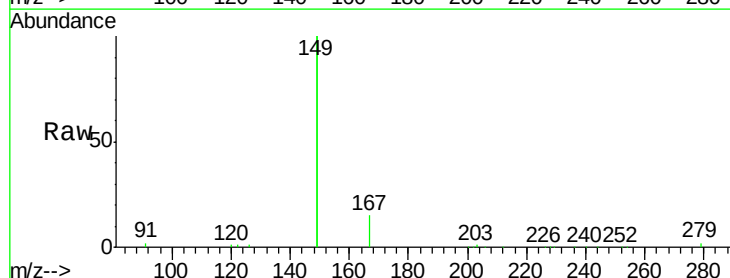
Tgt Ion:149 Resp: 52083

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

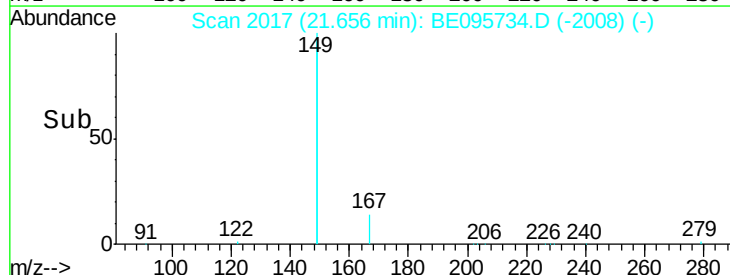
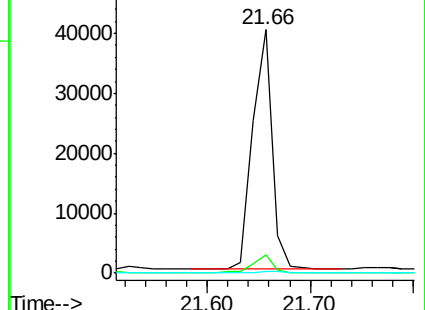
279 0.8 0.7 1.1

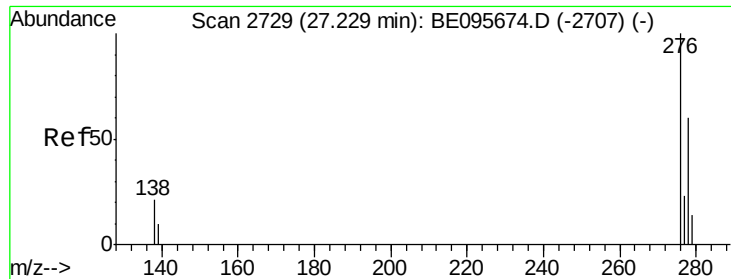


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.220 ng

RT: 27.23 min Scan# 3502

Delta R.T. 0.00 min

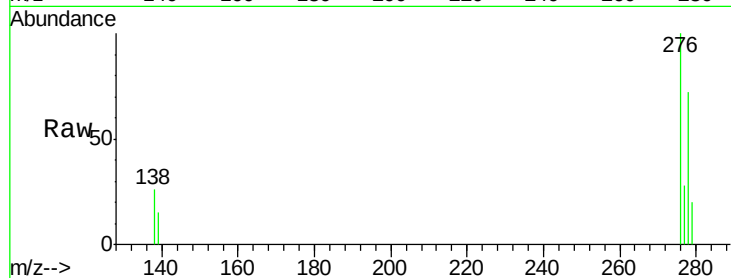
Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :



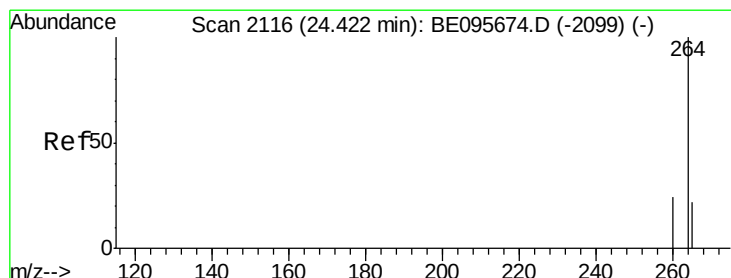
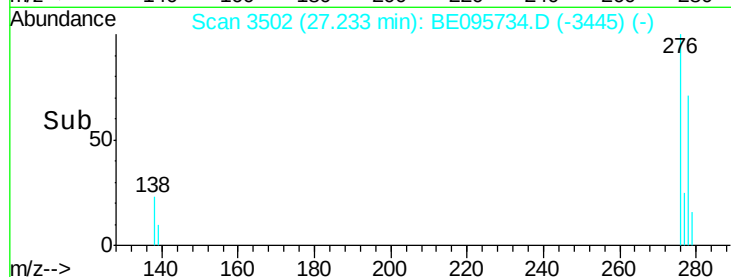
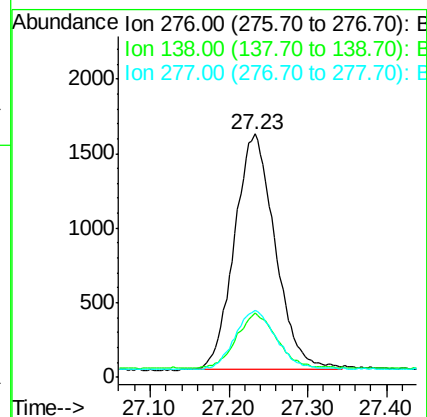
Tot Ion:276 Resp: 5656

Ion Ratio Lower Upper

276 100

138 22.9 22.5 33.7

277 25.6 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: BE095734.D

Acq: 12 Mar 2018 17:31

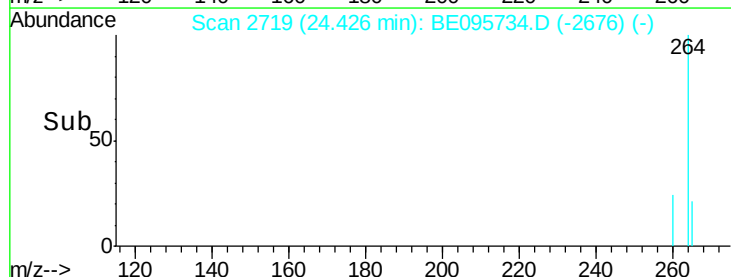
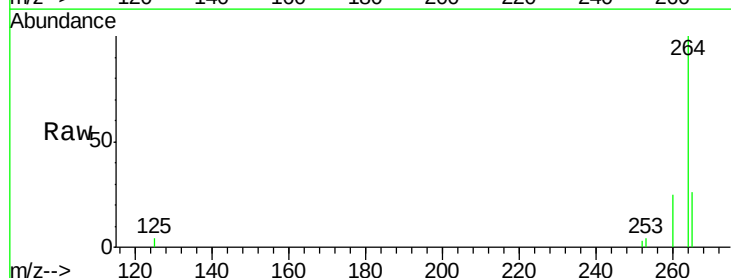
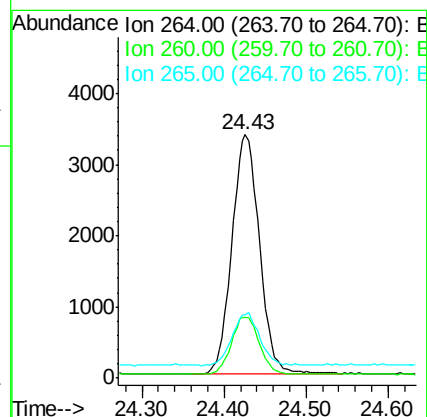
Tgt Ion:264 Resp: 7874

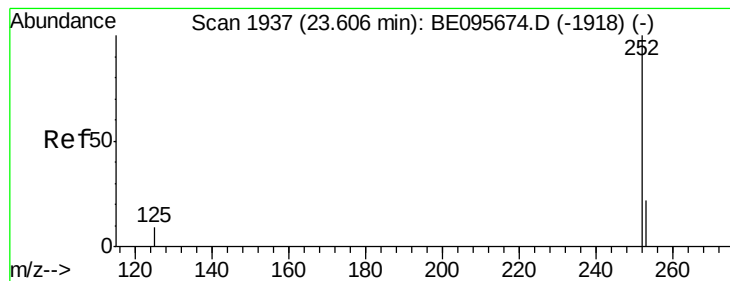
Ion Ratio Lower Upper

264 100

260 24.9 20.5 30.7

265 25.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.244 ng

RT: 23.61 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :

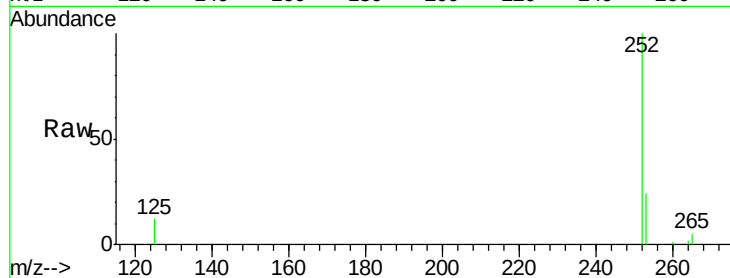
Tot Ion:252 Resp: 6831

Ion Ratio Lower Upper

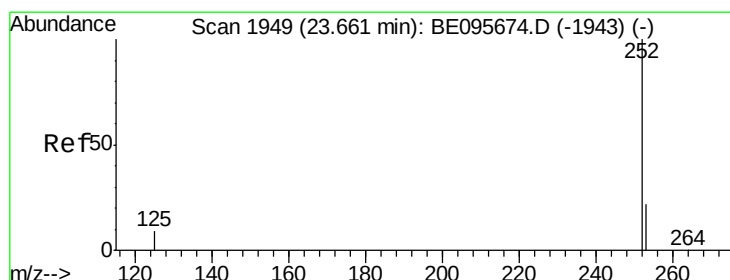
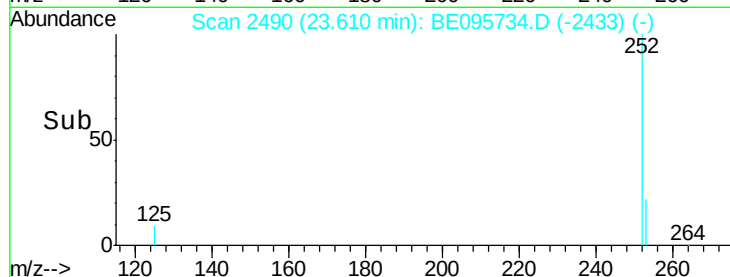
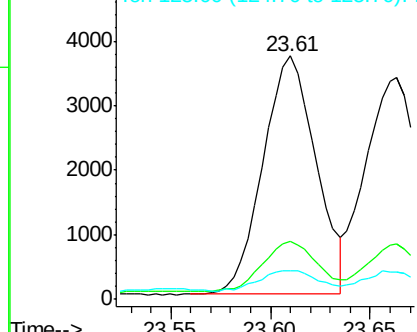
252 100

253 24.1 20.0 30.0

125 12.0 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: 0.236 ng

RT: 23.66 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

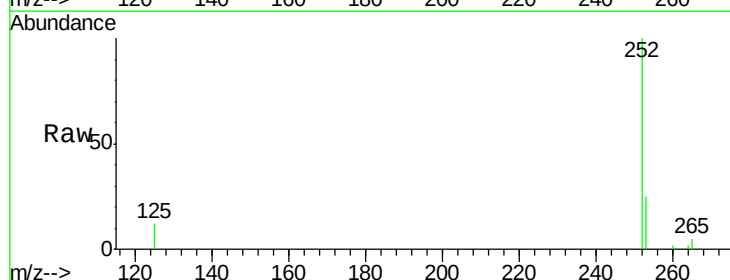
Tgt Ion:252 Resp: 6583

Ion Ratio Lower Upper

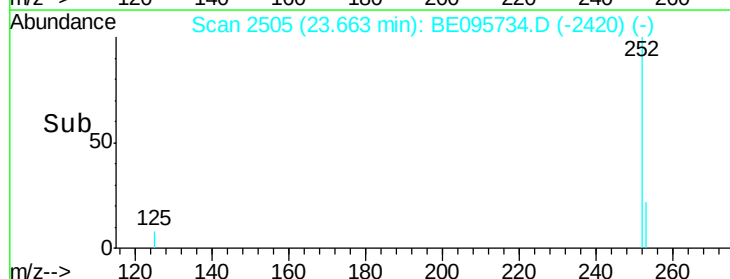
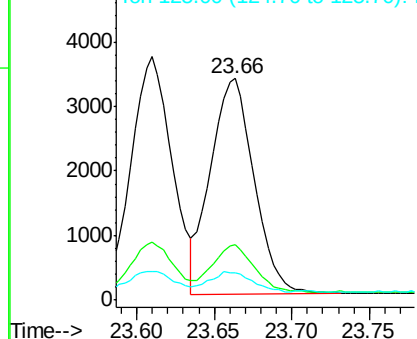
252 100

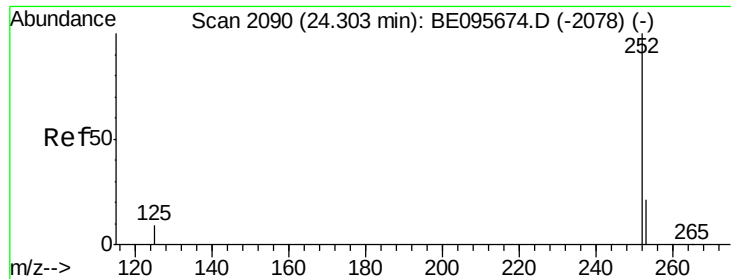
253 24.9 16.0 24.0#

125 12.3 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: 0.255 ng

RT: 24.30 min Scan# 2685

Delta R.T. 0.00 min

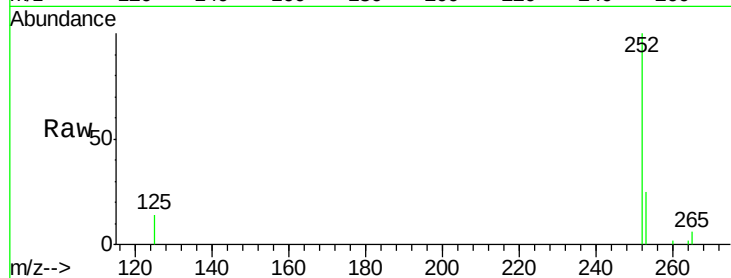
Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :



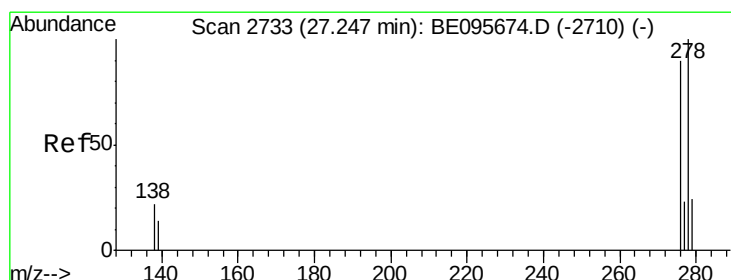
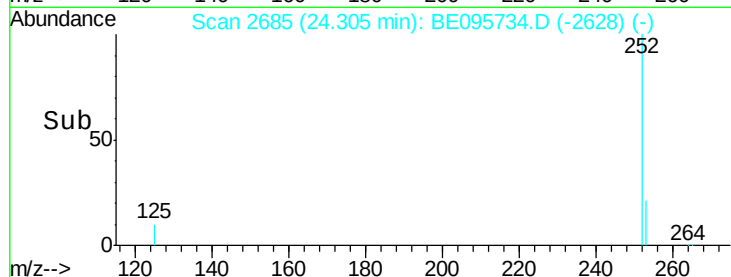
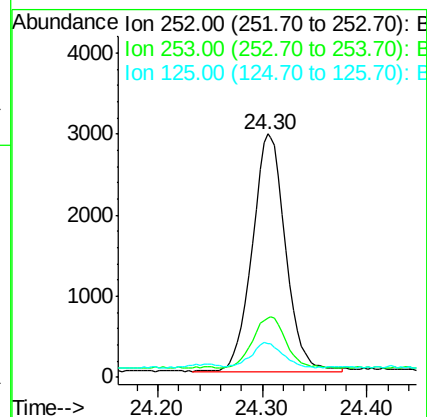
Tot Ion:252 Resp: 6445

Ion Ratio Lower Upper

252 100

253 24.6 16.0 24.0#

125 14.0 12.0 18.0



#38

Dibenzo(a,h)anthracene

Concen: 0.221 ng

RT: 27.25 min Scan# 3506

Delta R.T. -0.00 min

Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

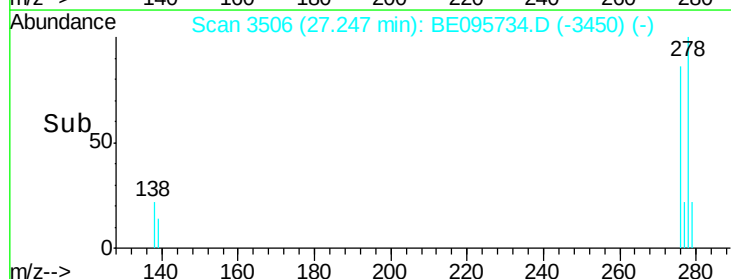
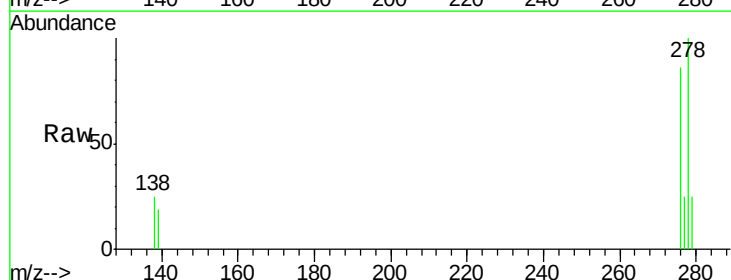
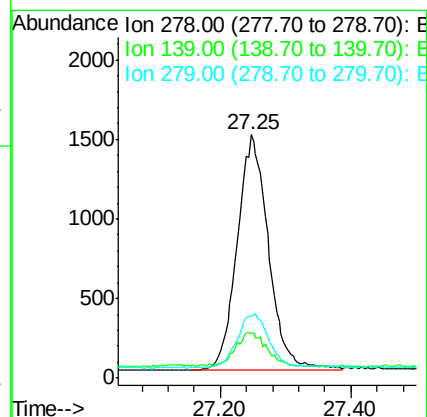
Tgt Ion:278 Resp: 4962

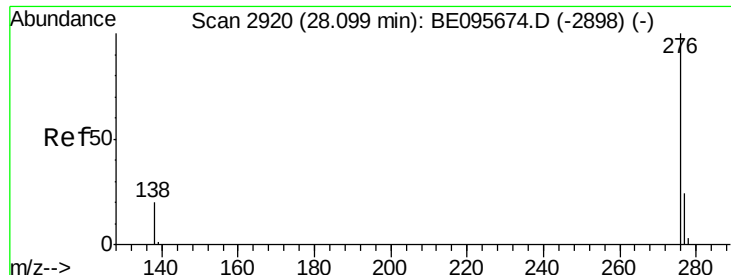
Ion Ratio Lower Upper

278 100

139 18.8 16.0 24.0

279 25.4 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 0.214 ng

RT: 28.10 min Scan# 3746

Delta R.T. 0.00 min

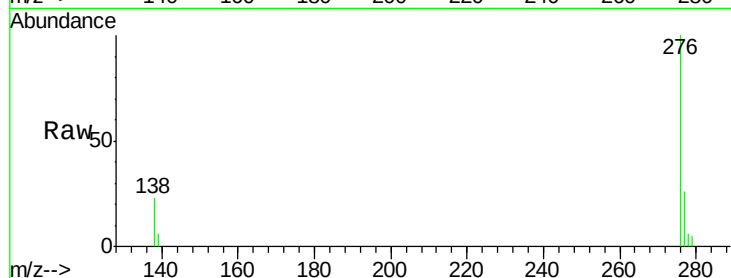
Lab File: BE095734.D

Acq: 12 Mar 2018 17:31

Instrument :

BNA_E

ClientSampleId :



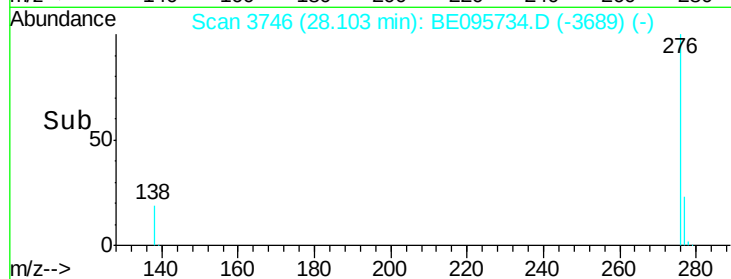
Tot Ion: 276 Resp: 5167

Ion Ratio Lower Upper

276 100

277 26.3 16.0 24.0#

138 22.9 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

