

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
 Data File : BE095944.D
 Acq On : 4 Apr 2018 13:14
 Operator : SJ/JU
 Sample : J2148-06MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-4BMSD

Quant Time: Apr 05 02:47:40 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1392	0.40	ng	0.00
7) Naphthalene-d8	11.24	136	5265	0.40	ng	-0.01
13) Acenaphthene-d10	14.99	164	2789	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6262	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7126	0.40	ng	-0.01
34) Perylene-d12	24.42	264	7261	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	1685	0.37	ng	0.00
5) Phenol-d6	7.56	99	2387	0.38	ng	0.00
8) Nitrobenzene-d5	9.59	82	2294	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2945	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	513	0.32	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	4161	0.35	ng	-0.01
25) Fluoranthene-d10	19.68	212	27465	0.30	ng	-0.01
29) Terphenyl-d14	20.24	244	4297	0.28	ng	0.00

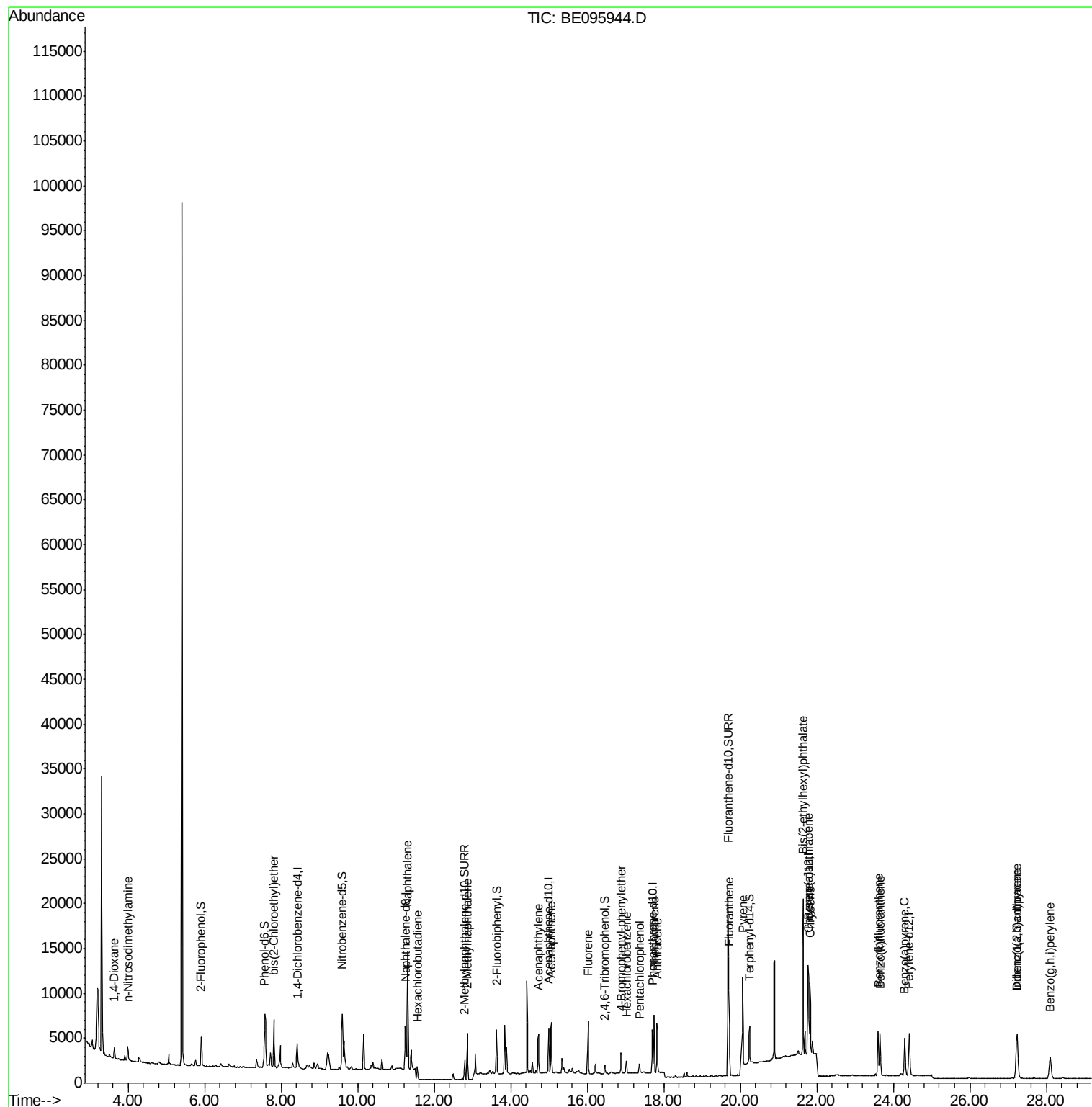
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	688	0.302	ng	# 48
3) n-Nitrosodimethylamine	3.99	42	1079	0.323	ng	# 85
6) bis(2-Chloroethyl)ether	7.81	93	1809	0.332	ng	93
9) Naphthalene	11.30	128	21143	0.352	ng	100
10) Hexachlorobutadiene	11.55	225	1204	0.292	ng	96
12) 2-Methylnaphthalene	12.86	142	3415	0.333	ng	96
16) Acenaphthylene	14.73	152	5236	0.328	ng	98
17) Acenaphthene	15.06	154	3040	0.312	ng	96
18) Fluorene	16.02	166	3963	0.310	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	1170	0.311	ng	# 79
21) Hexachlorobenzene	17.02	284	1149	0.306	ng	# 83
22) Pentachlorophenol	17.36	266	593	0.549	ng	# 75
23) Phenanthrene	17.74	178	6667	0.356	ng	98
24) Anthracene	17.82	178	6154	0.328	ng	# 95
26) Fluoranthene	19.71	202	8569	0.329	ng	97
28) Pyrene	20.06	202	10598	0.365	ng	95
30) Benzo(a)anthracene	21.78	228	7748	0.314	ng	95
31) Chrysene	21.83	228	7256	0.322	ng	97
32) Bis(2-ethylhexyl)phthalate	21.64	149	21582	0.286	ng	100
33) Indeno(1,2,3-cd)pyrene	27.22	276	7179	0.295	ng	94
35) Benzo(b)fluoranthene	23.60	252	7191	0.299	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	6840	0.285	ng	# 88
37) Benzo(a)pyrene	24.30	252	6776	0.301	ng	# 94
38) Dibenzo(a,h)anthracene	27.24	278	5617	0.263	ng	95
39) Benzo(g,h,i)perylene	28.10	276	6084	0.283	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: 8.42 min Scan# 568

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

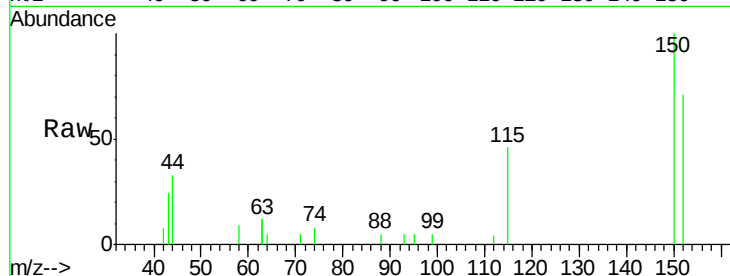
Tot Ion:152 Resp: 1392

Ion Ratio Lower Upper

152 100

150 140.8 117.2 175.8

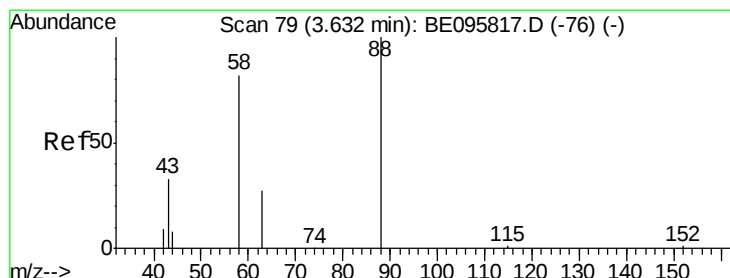
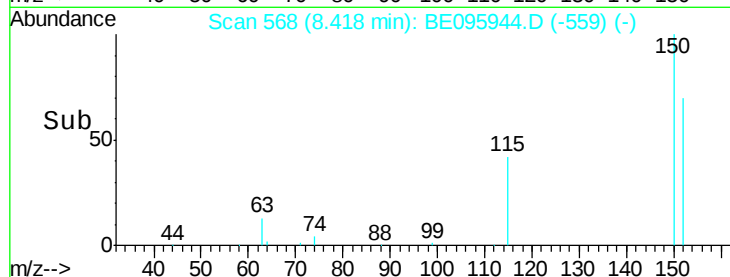
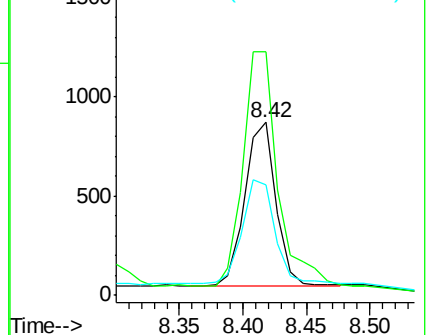
115 64.2 57.0 85.6



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: 0.302 ng

RT: 3.63 min Scan# 79

Delta R.T. 0.00 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

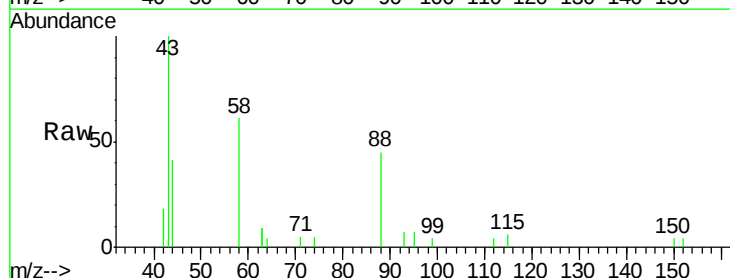
Tgt Ion: 88 Resp: 688

Ion Ratio Lower Upper

88 100

58 100.1 63.2 94.8#

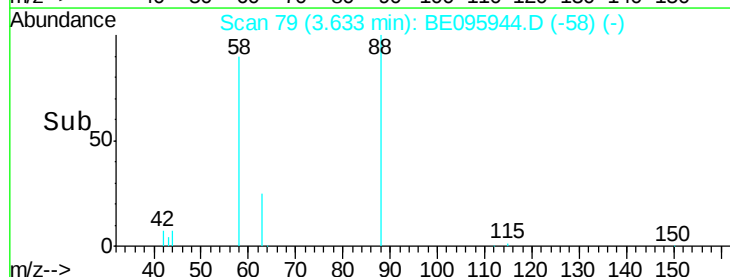
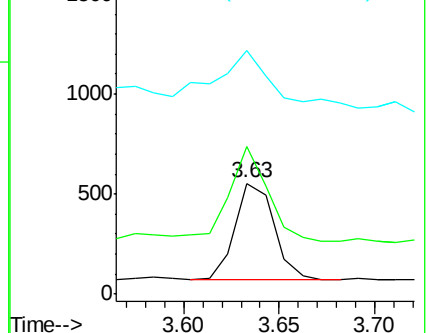
43 118.5 41.2 61.8#



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



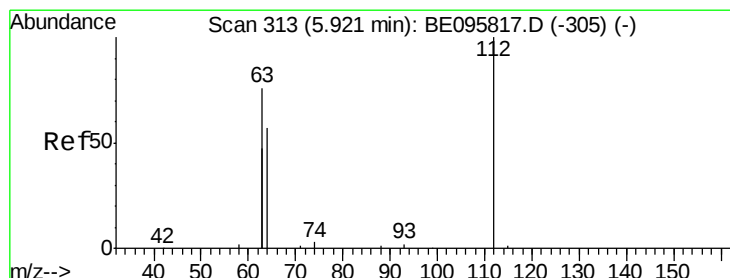
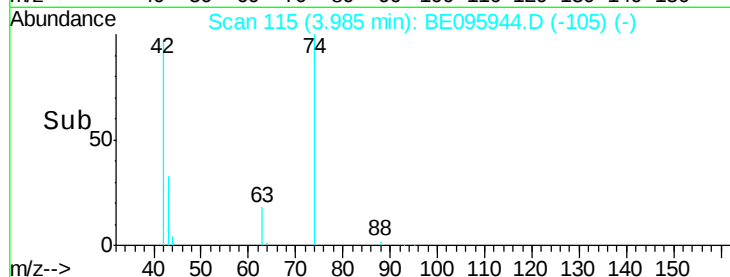
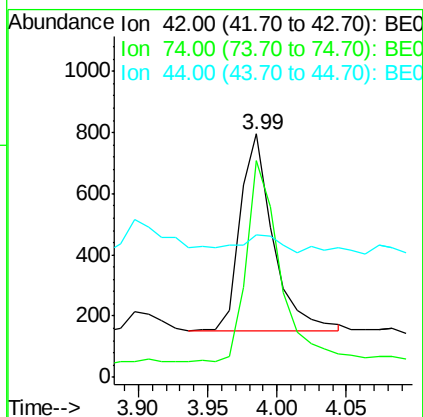
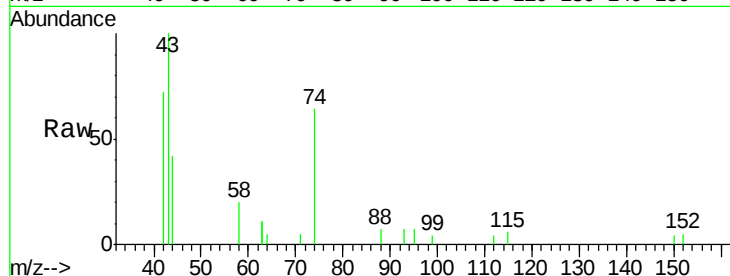


#3

n-Nitrosodimethylamine
 Concen: 0.323 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095944.D
 Acq: 4 Apr 2018 13:14

Instrument :
 BNA_E
 ClientSampleId :
 SB-4BMSD

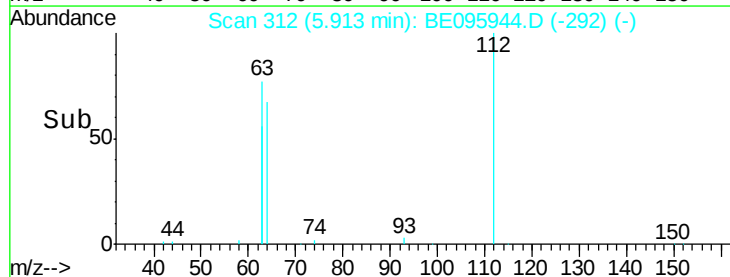
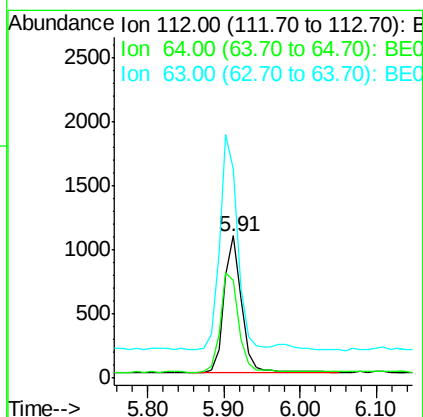
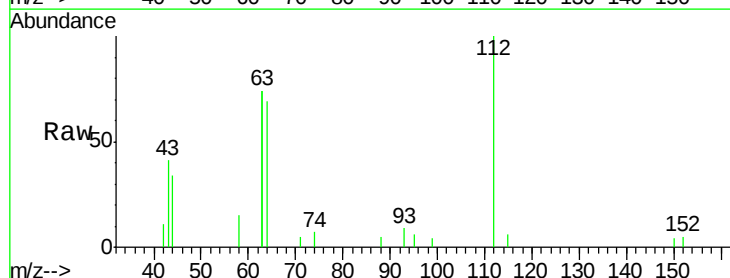
Tot Ion: 42 Resp: 1079
 Ion Ratio Lower Upper
 42 100
 74 102.6 96.0 144.0
 44 9.5 12.0 18.0#

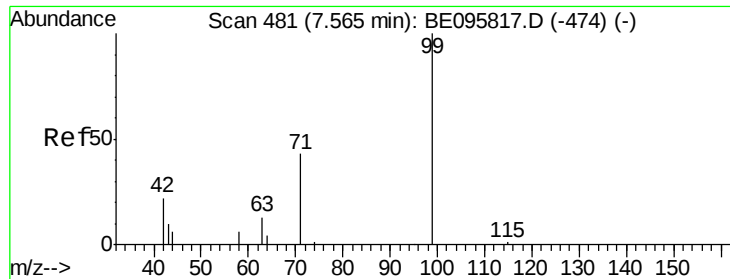


#4

2-Fluorophenol
 Concen: 0.367 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095944.D
 Acq: 4 Apr 2018 13:14

Tgt Ion: 112 Resp: 1685
 Ion Ratio Lower Upper
 112 100
 64 77.6 60.1 90.1
 63 162.0 116.8 175.2





#5

Phenol-d6

Concen: 0.378 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

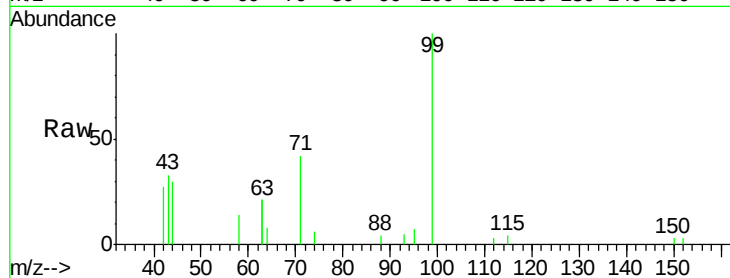
Tot Ion: 99 Resp: 2387

Ion Ratio Lower Upper

99 100

42 35.1 20.2 30.2#

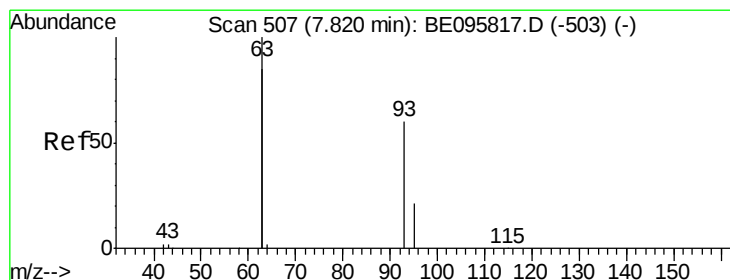
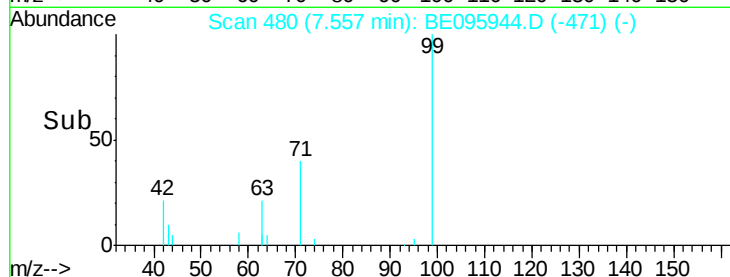
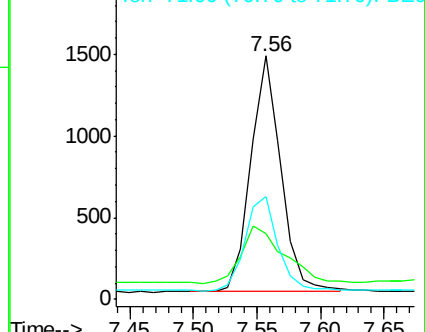
71 42.9 28.4 42.6#



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: 0.332 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

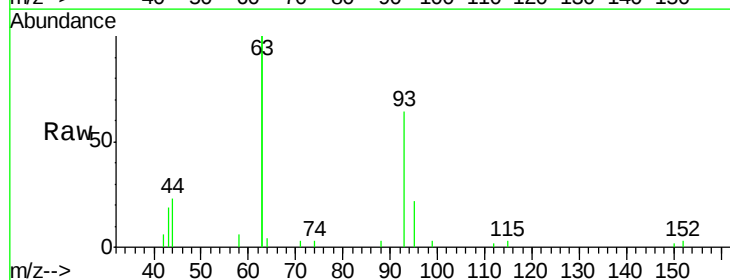
Tgt Ion: 93 Resp: 1809

Ion Ratio Lower Upper

93 100

63 328.2 275.3 412.9

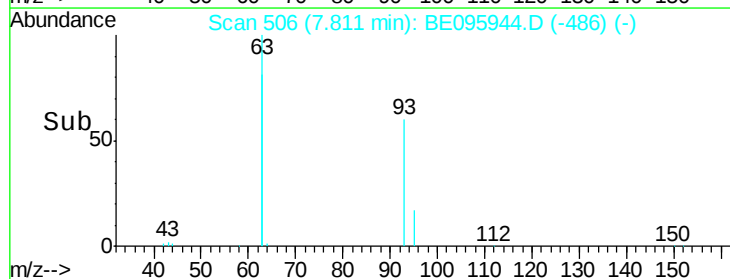
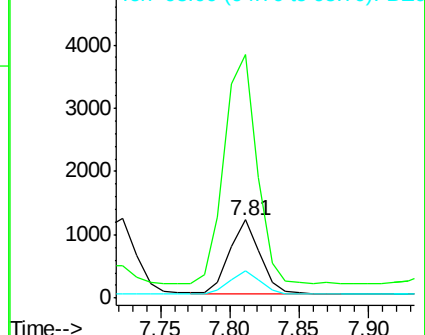
95 33.3 25.2 37.8

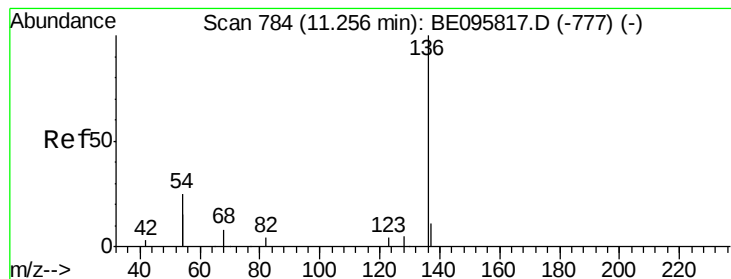


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.24 min Scan# 783

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

Tot Ion:136 Resp: 5265

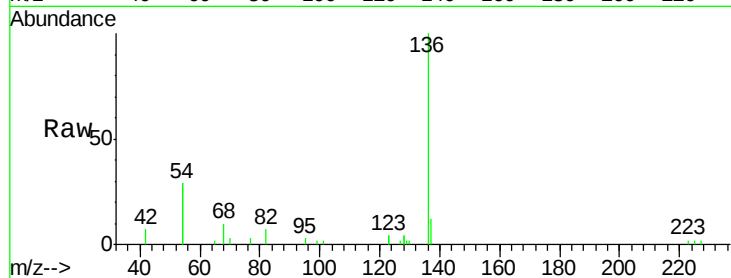
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 58.1 29.1 43.7#

68 10.3 6.2 9.2#

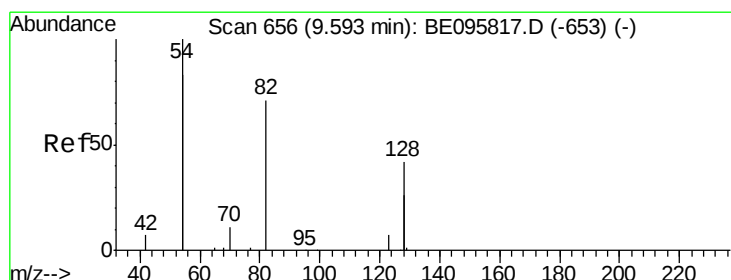
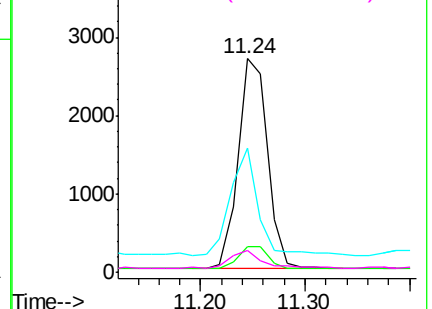
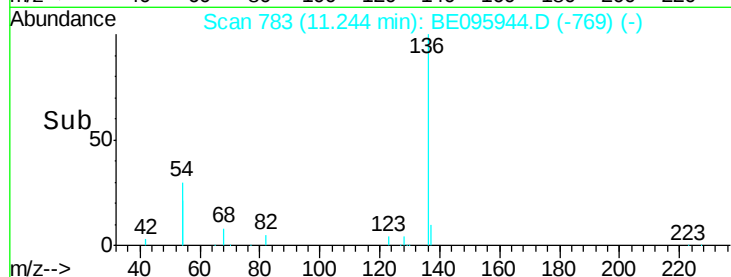


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.369 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

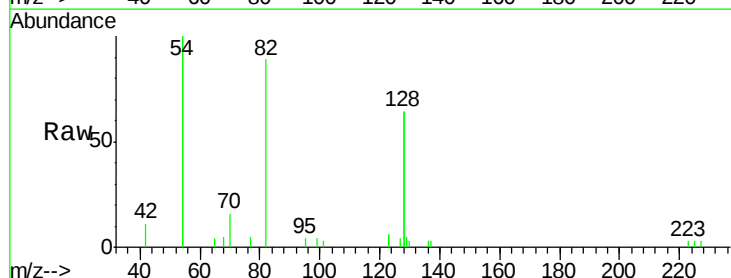
Tgt Ion: 82 Resp: 2294

Ion Ratio Lower Upper

82 100

128 143.8 150.0 225.0#

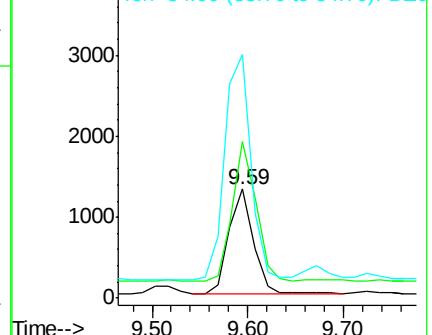
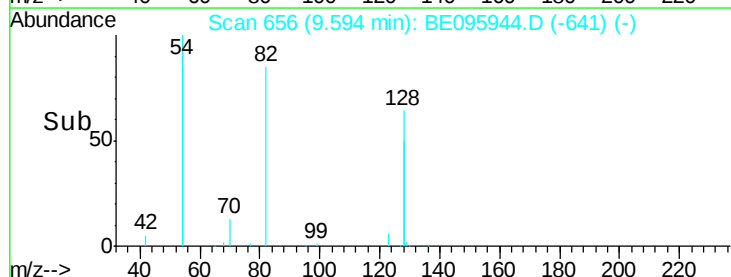
54 223.8 154.2 231.4

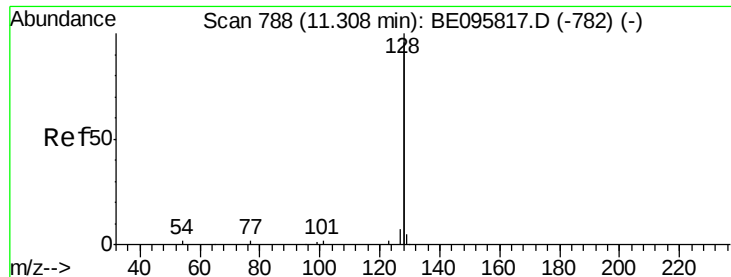


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.352 ng

RT: 11.30 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

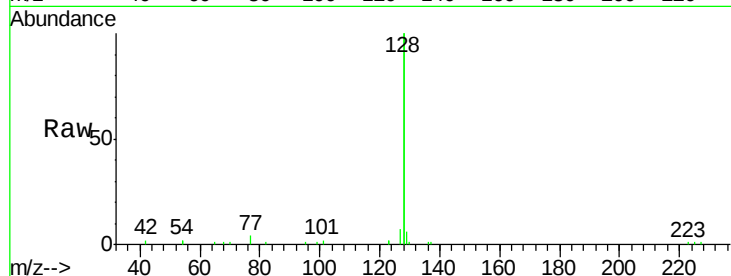
Tot Ion:128 Resp: 21143

Ion Ratio Lower Upper

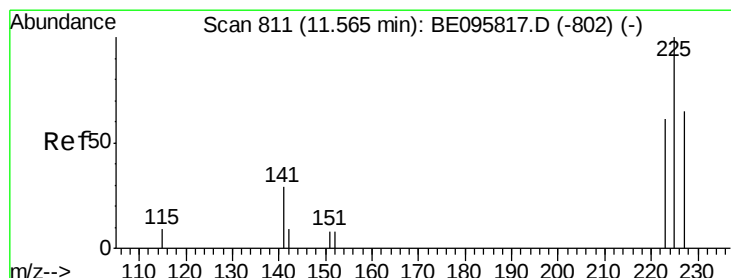
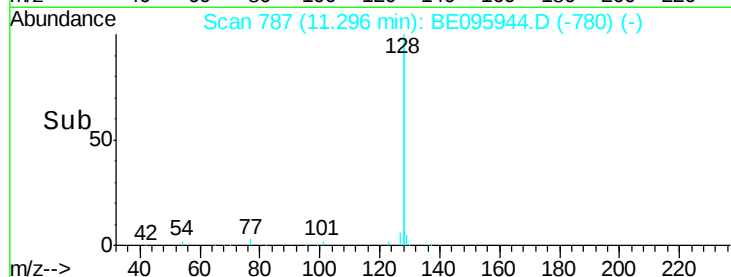
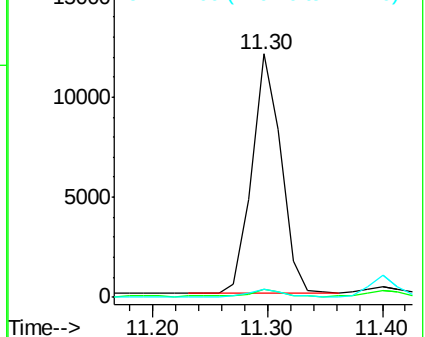
128 100

129 3.1 2.6 3.8

127 3.5 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: 0.292 ng

RT: 11.55 min Scan# 809

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

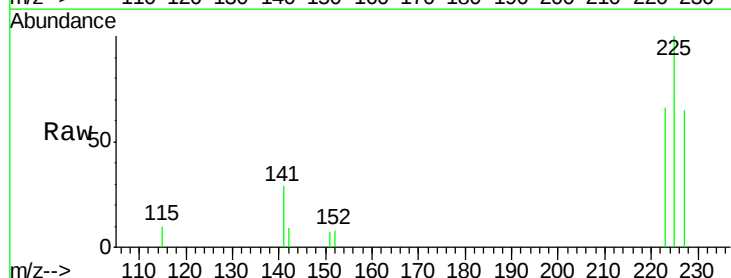
Tgt Ion:225 Resp: 1204

Ion Ratio Lower Upper

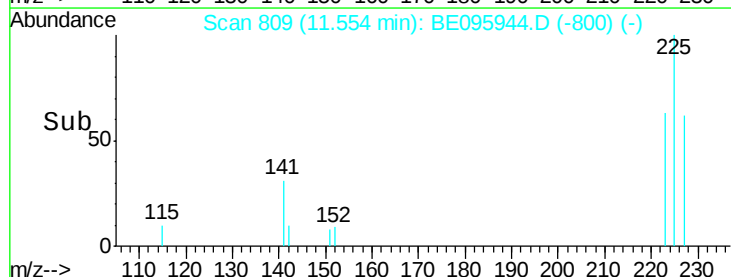
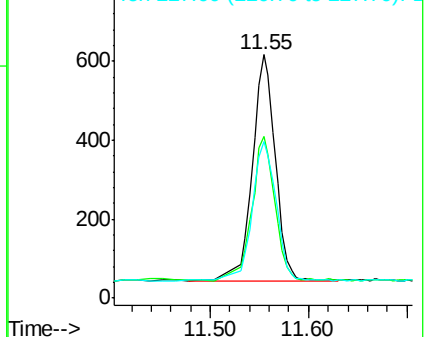
225 100

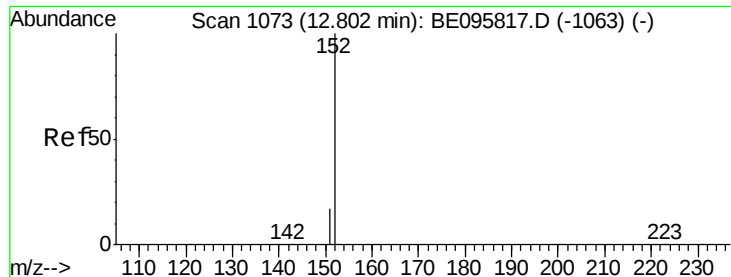
223 71.1 53.0 79.6

227 63.4 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

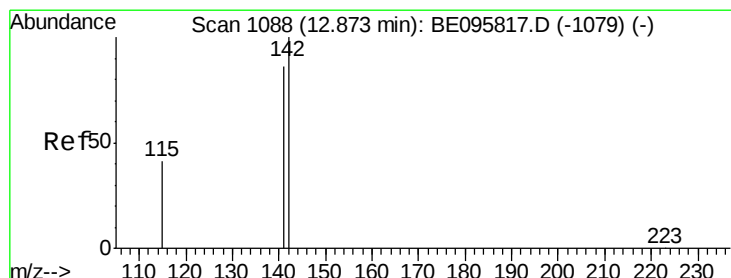
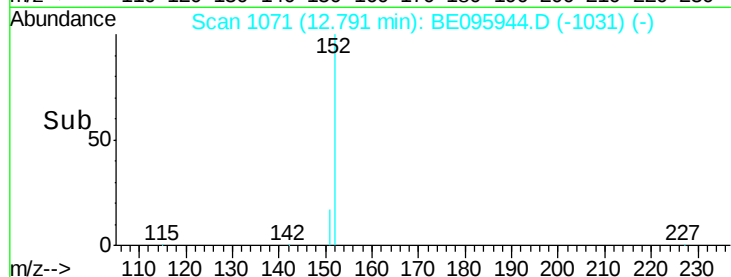
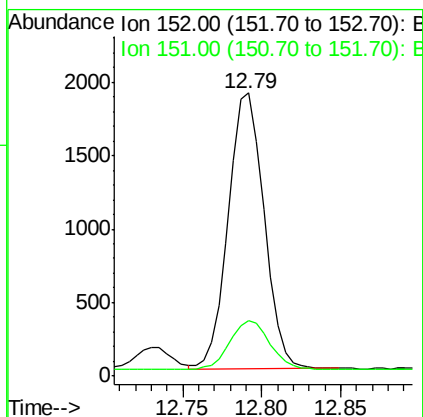
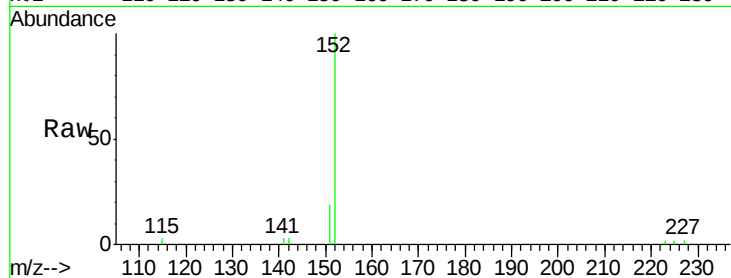




#11
 2-Methylnaphthalene-d10
 Concen: 0.335 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095944.D
 Acq: 4 Apr 2018 13:14

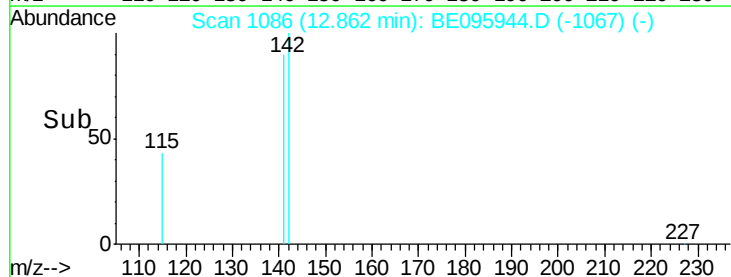
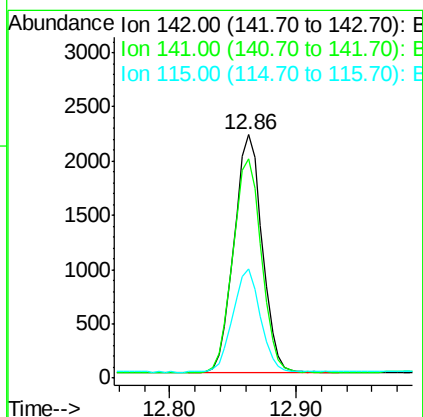
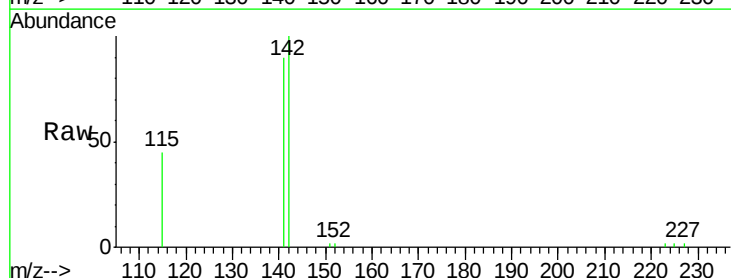
Instrument :
 BNA_E
 ClientSampleId :
 SB-4BMSD

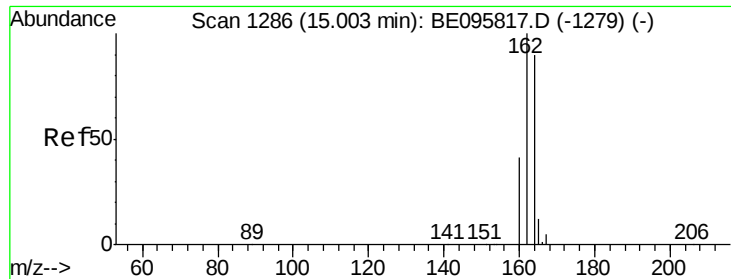
Tot Ion:152 Resp: 2945
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.333 ng
 RT: 12.86 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE095944.D
 Acq: 4 Apr 2018 13:14

Tgt Ion:142 Resp: 3415
 Ion Ratio Lower Upper
 142 100
 141 90.2 70.4 105.6
 115 44.7 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

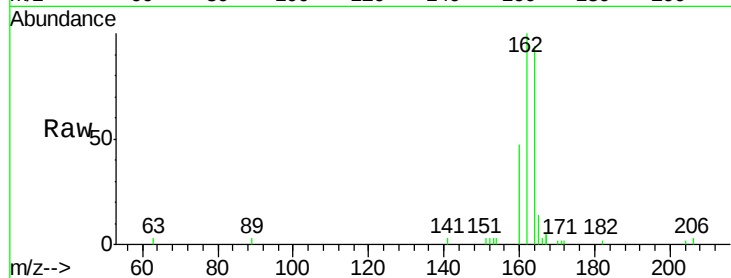
Tot Ion:164 Resp: 2789

Ion Ratio Lower Upper

164 100

162 106.1 83.1 124.7

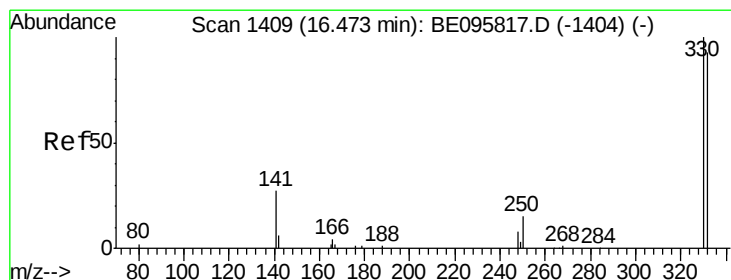
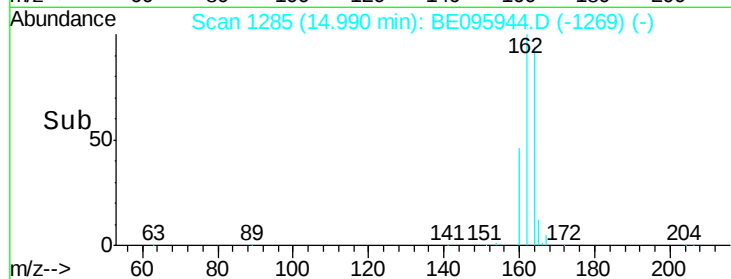
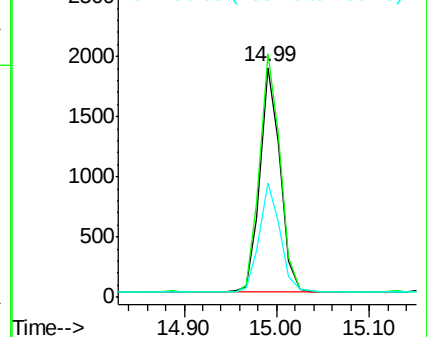
160 49.8 37.1 55.7



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: 0.319 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

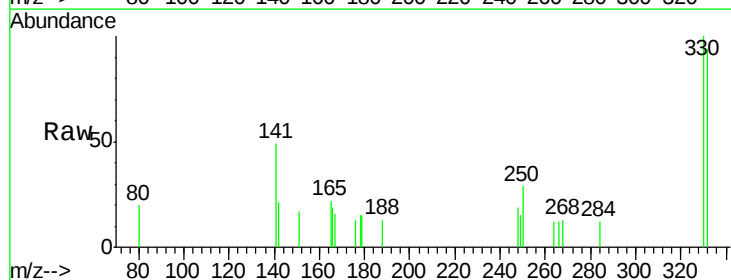
Tgt Ion:330 Resp: 513

Ion Ratio Lower Upper

330 100

332 94.2 152.7 229.1#

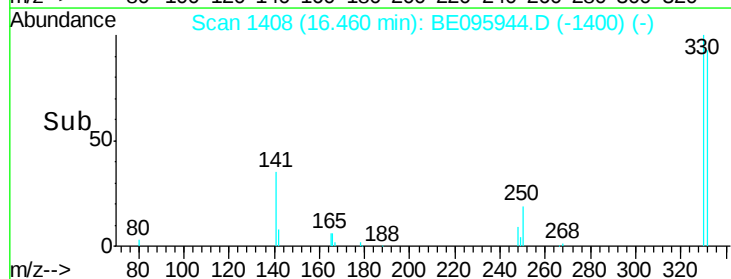
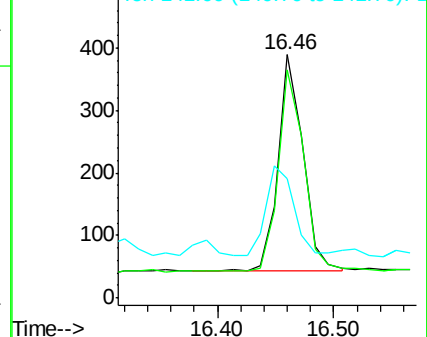
141 47.4 33.7 50.5

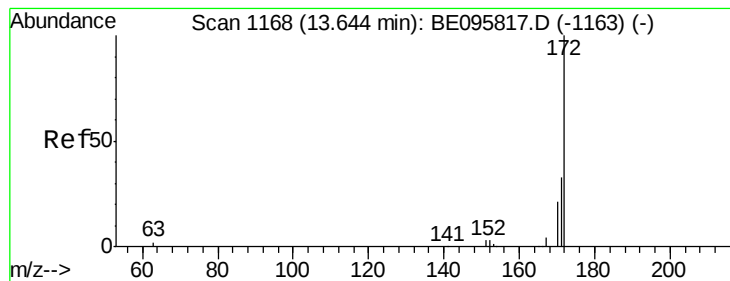


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.354 ng

RT: 13.63 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

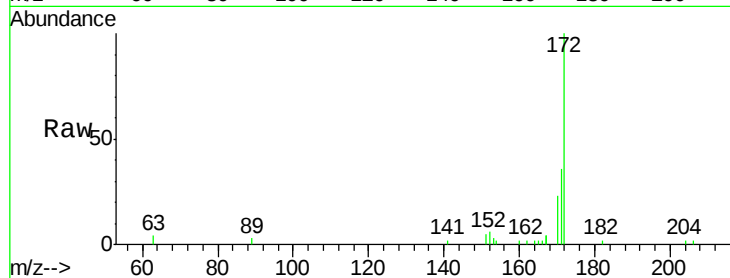
Tot Ion:172 Resp: 4161

Ion Ratio Lower Upper

172 100

171 35.8 29.9 44.9

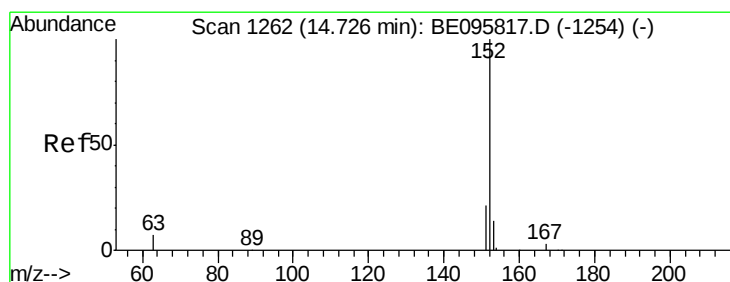
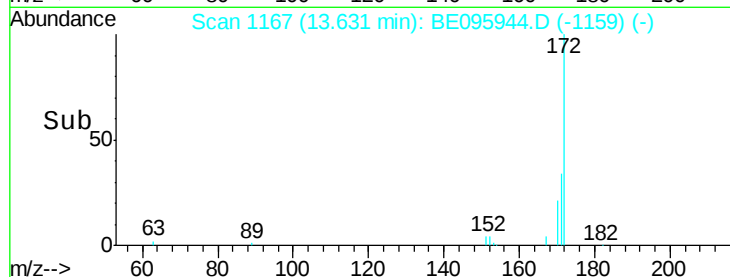
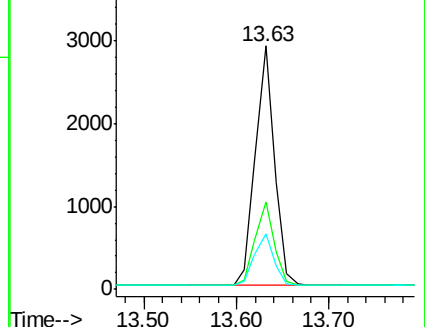
170 22.6 21.8 32.8



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: 0.328 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

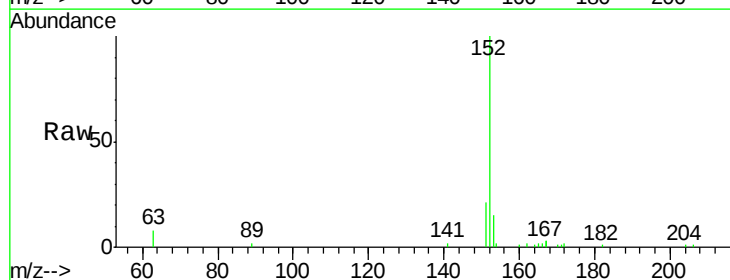
Tgt Ion:152 Resp: 5236

Ion Ratio Lower Upper

152 100

151 20.7 15.7 23.5

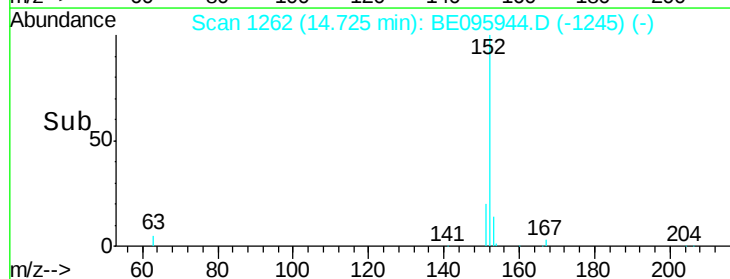
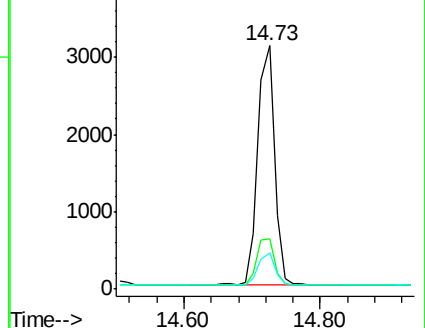
153 13.3 10.5 15.7

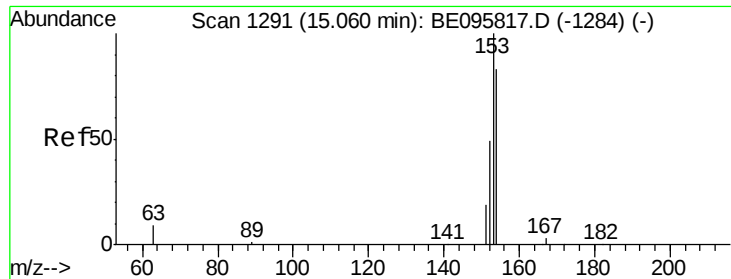


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

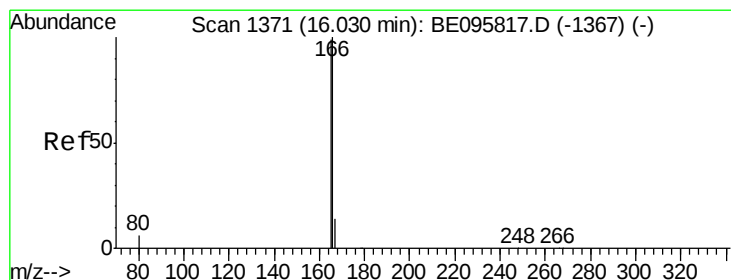
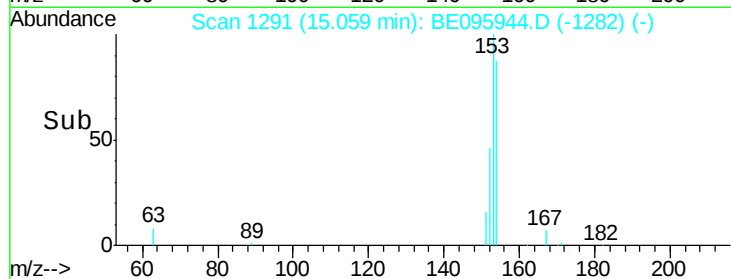
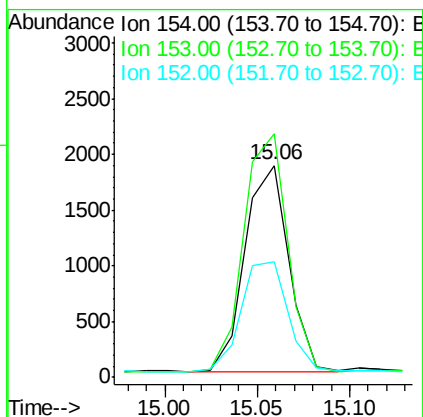
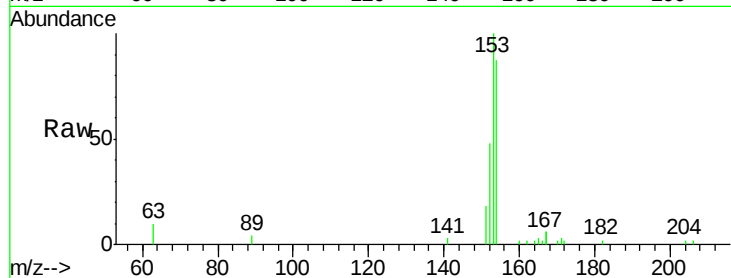




#17
Acenaphthene
Concen: 0.312 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

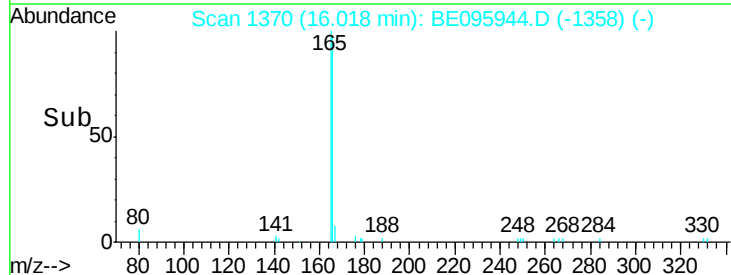
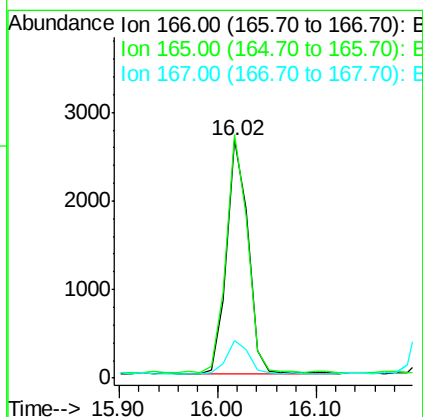
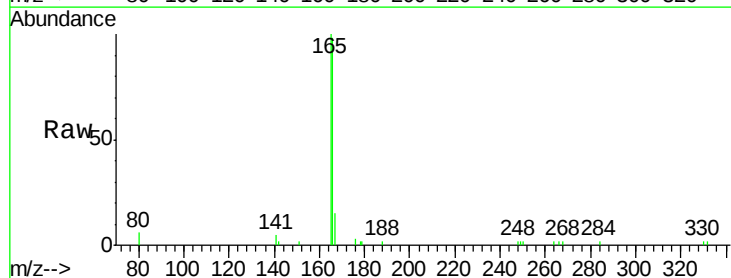
Instrument :
BNA_E
ClientSampleId :
SB-4BMSD

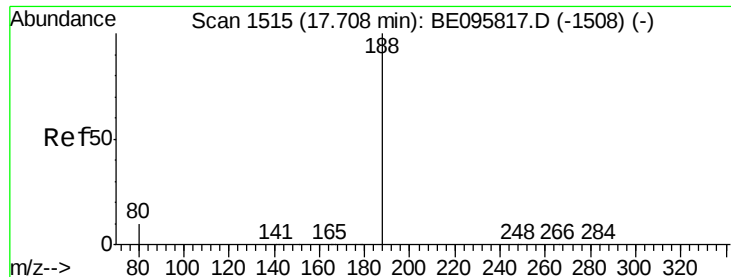
Tot Ion:154 Resp: 3040
Ion Ratio Lower Upper
154 100
153 115.3 89.2 133.8
152 56.7 42.0 63.0



#18
Fluorene
Concen: 0.310 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

Tgt Ion:166 Resp: 3963
Ion Ratio Lower Upper
166 100
165 101.0 77.8 116.6
167 15.3 42.4 63.6#

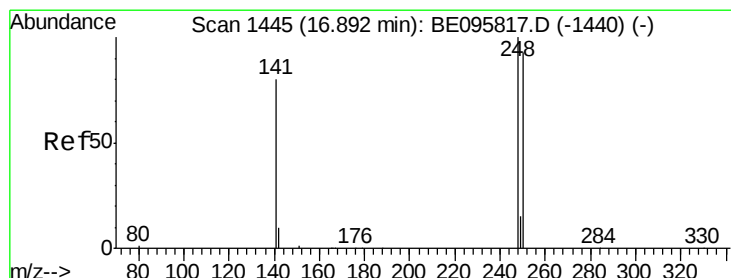
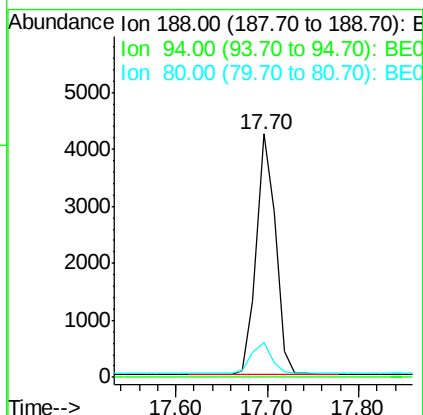
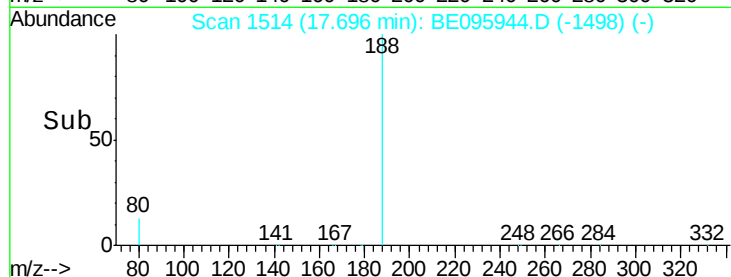
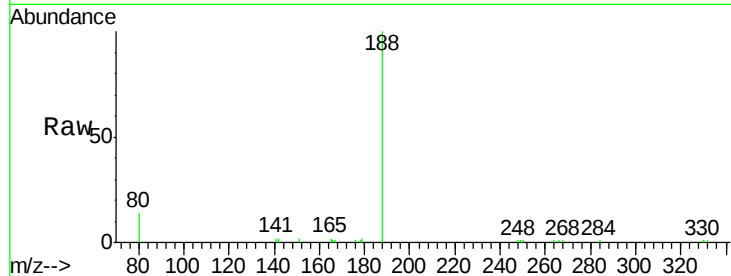




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

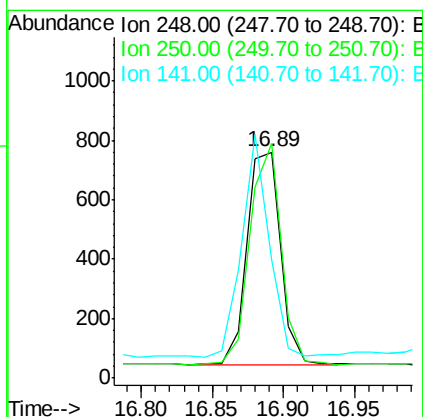
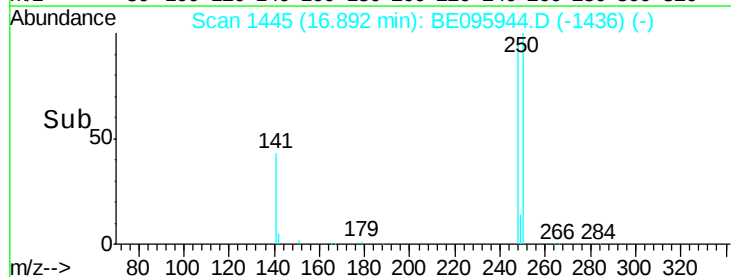
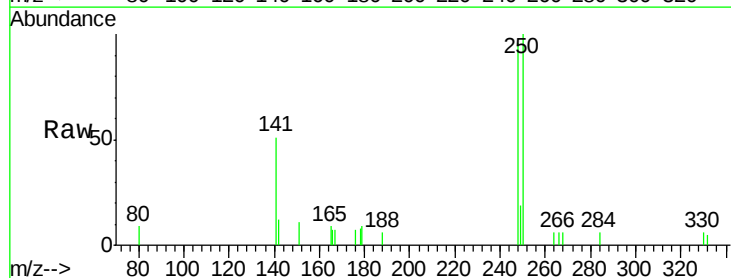
Instrument :
BNA_E
ClientSampled :
SB-4BMSD

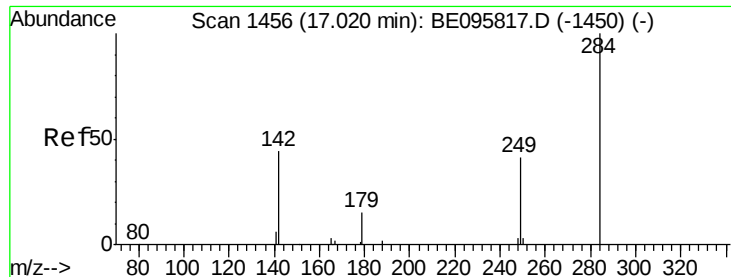
Tot Ion:188 Resp: 6262
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 14.2 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.311 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

Tgt Ion:248 Resp: 1170
Ion Ratio Lower Upper
248 100
250 103.8 62.7 94.1#
141 52.4 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.306 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

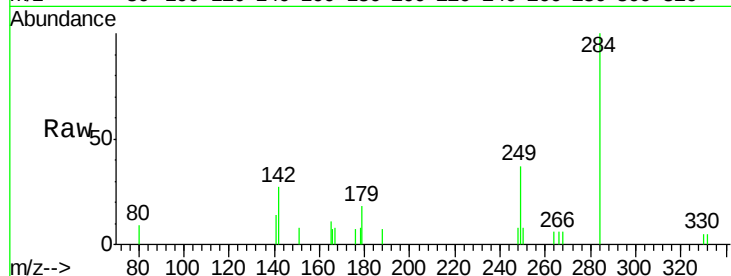
Tot Ion:284 Resp: 1149

Ion Ratio Lower Upper

284 100

142 42.6 22.1 33.1#

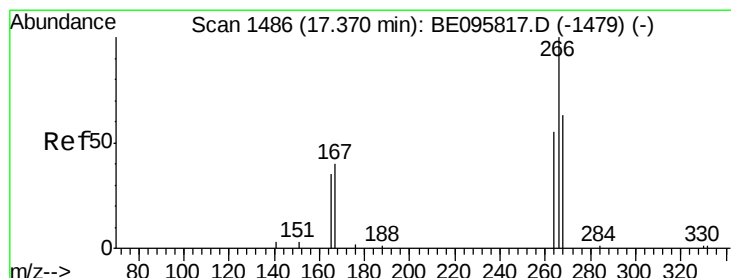
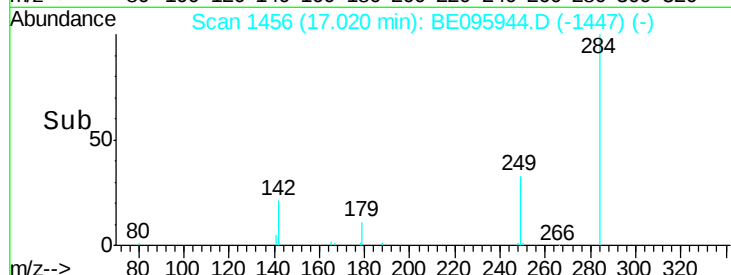
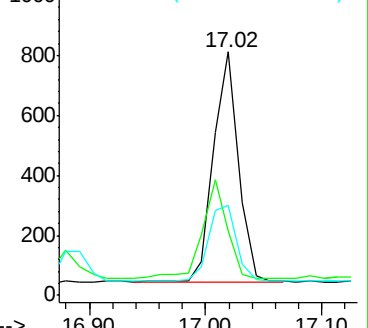
249 37.2 34.8 52.2



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: 0.549 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

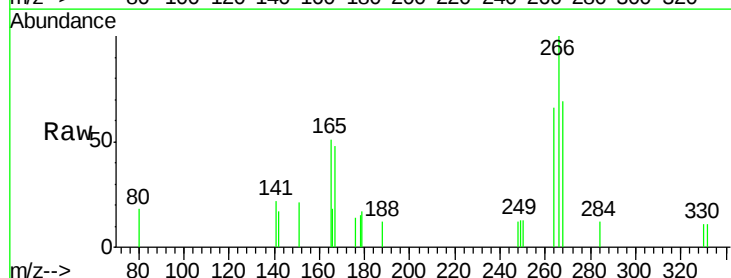
Tgt Ion:266 Resp: 593

Ion Ratio Lower Upper

266 100

264 66.0 72.5 108.7#

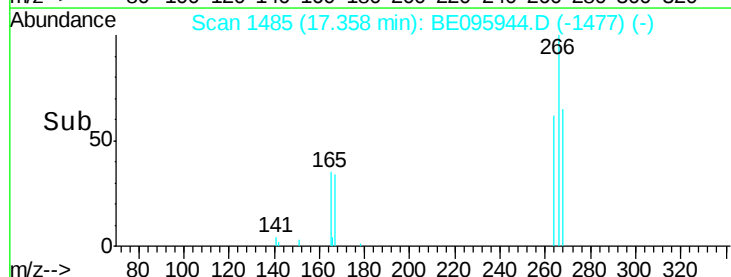
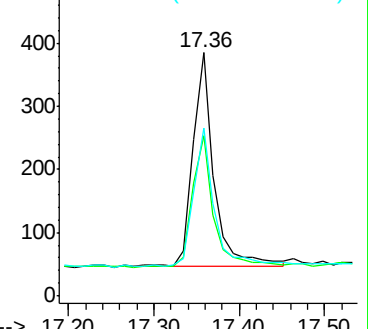
268 69.1 73.8 110.6#

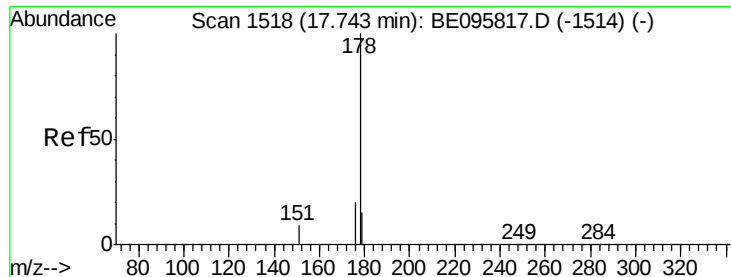


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

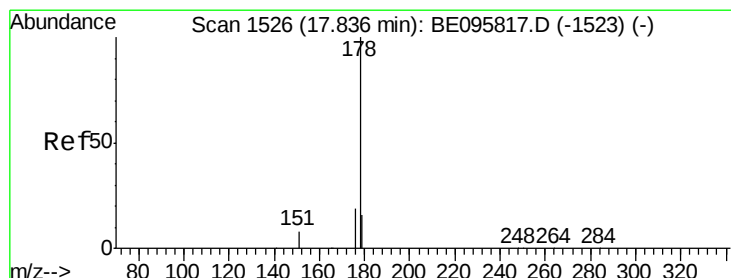
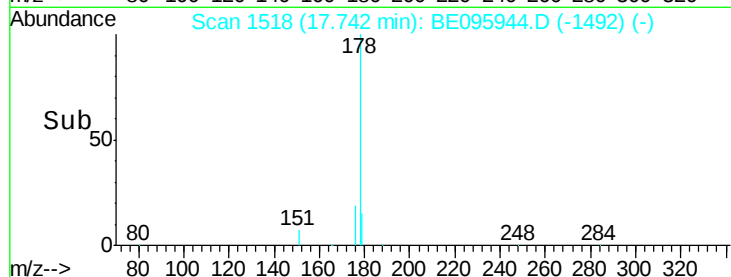
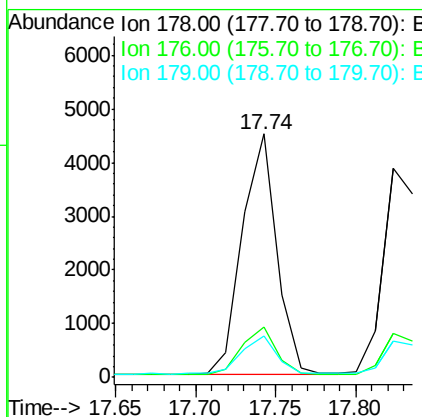
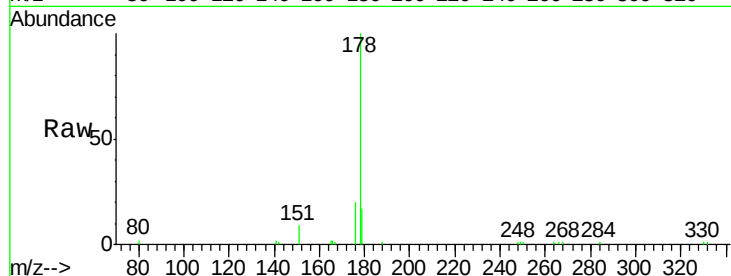




#23
Phenanthrene
Concen: 0.356 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

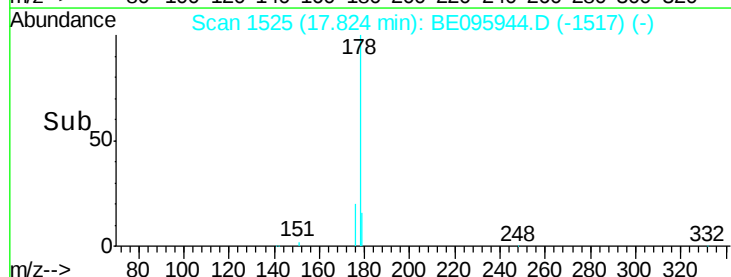
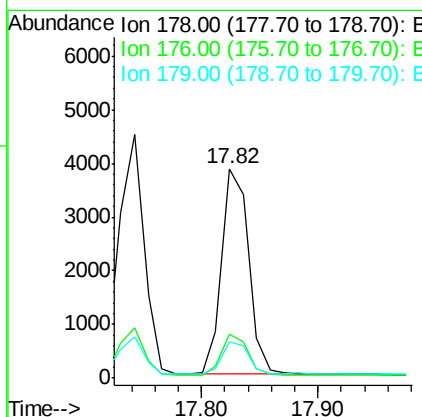
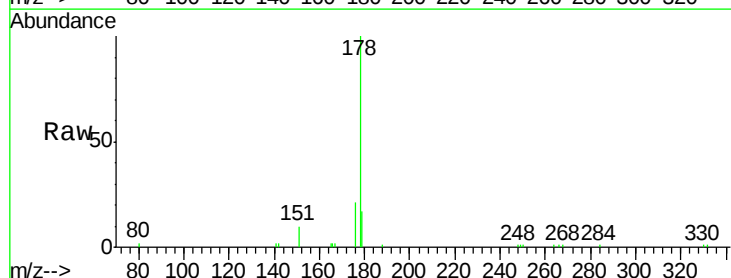
Instrument :
BNA_E
ClientSampleId :
SB-4BM5D

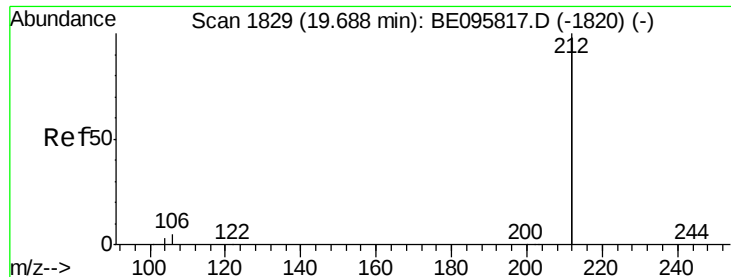
Tot Ion:178 Resp: 6667
Ion Ratio Lower Upper
178 100
176 19.7 15.1 22.7
179 15.8 11.8 17.6



#24
Anthracene
Concen: 0.328 ng
RT: 17.82 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

Tgt Ion:178 Resp: 6154
Ion Ratio Lower Upper
178 100
176 19.5 12.8 19.2#
179 15.5 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.295 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

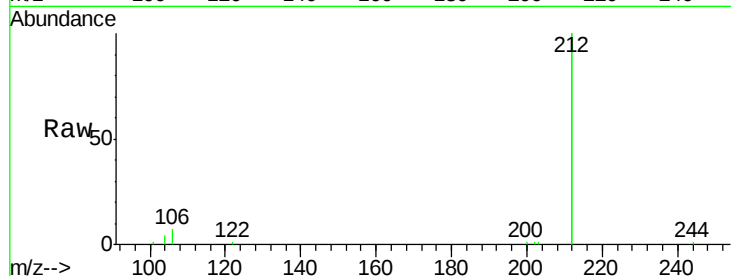
Tot Ion:212 Resp: 27465

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

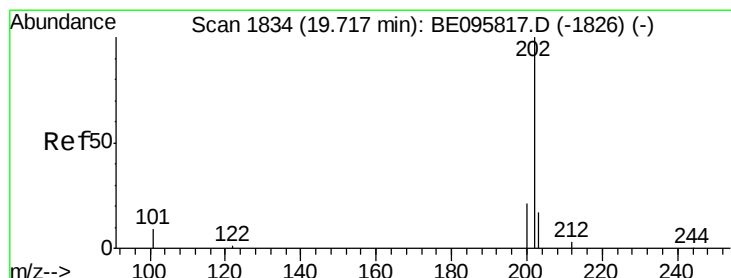
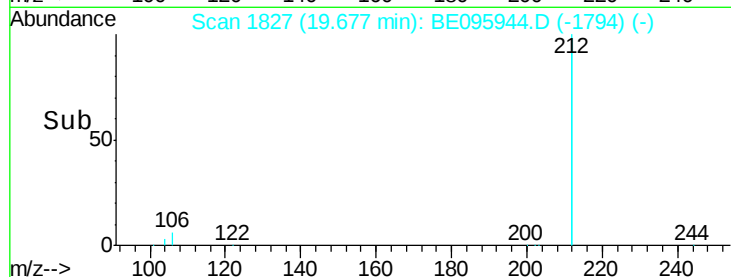
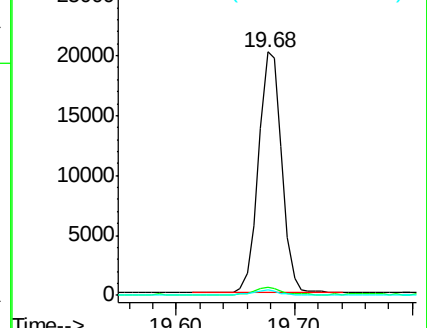
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.329 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

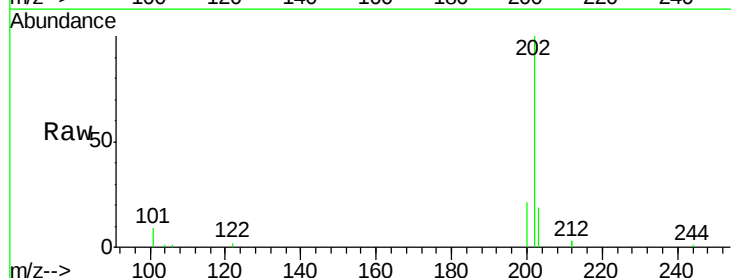
Tgt Ion:202 Resp: 8569

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

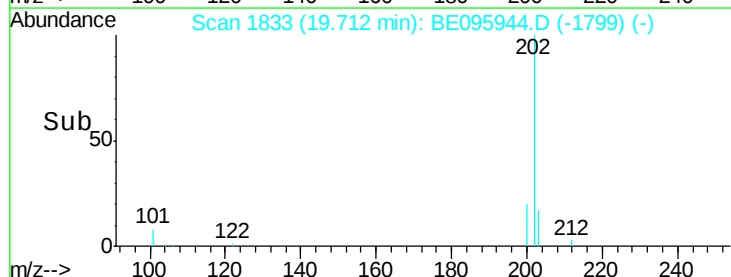
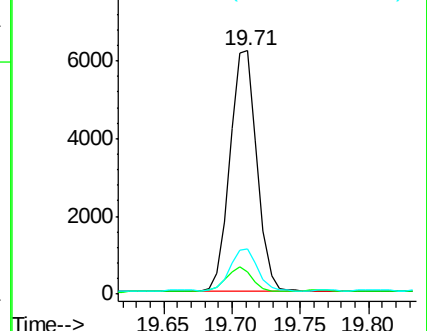
203 17.2 13.7 20.5



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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

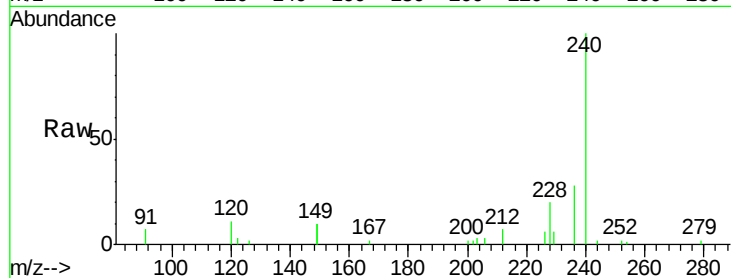
Tot Ion:240 Resp: 7126

Ion Ratio Lower Upper

240 100

120 10.6 5.5 8.3#

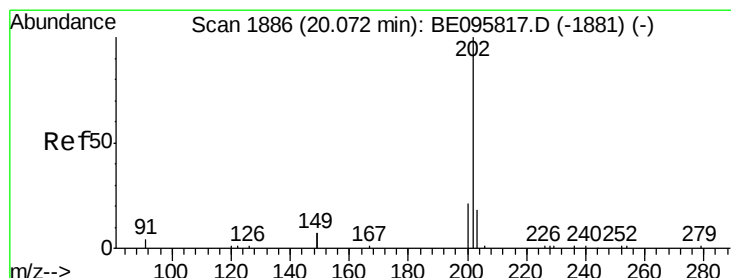
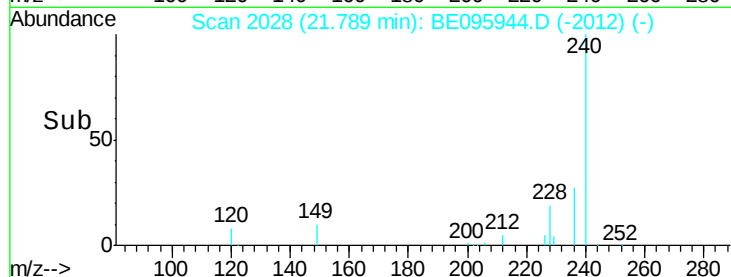
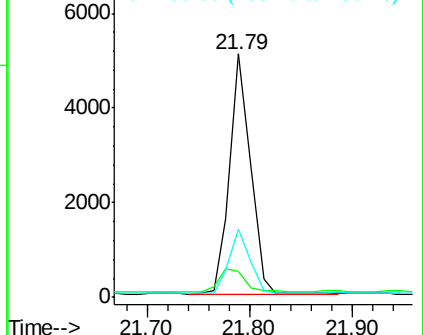
236 27.9 20.7 31.1



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: 0.365 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

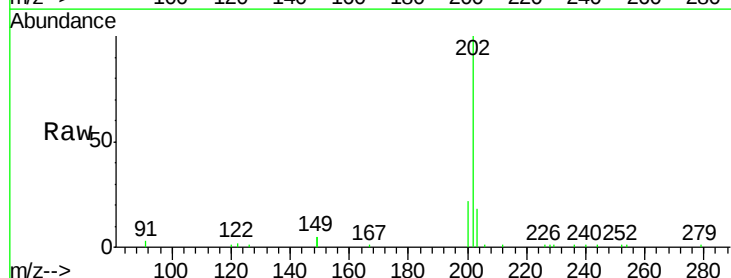
Tgt Ion:202 Resp: 10598

Ion Ratio Lower Upper

202 100

200 23.2 16.6 25.0

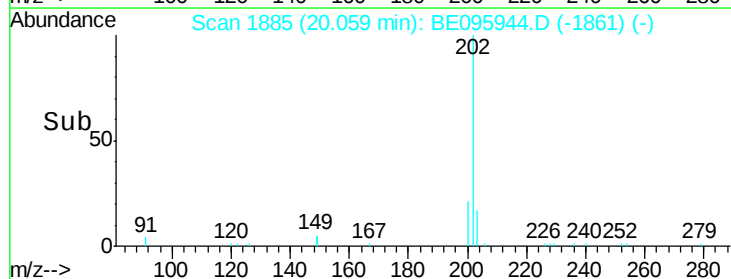
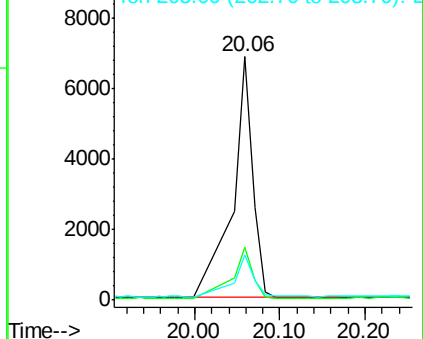
203 19.5 13.8 20.8



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: 0.284 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

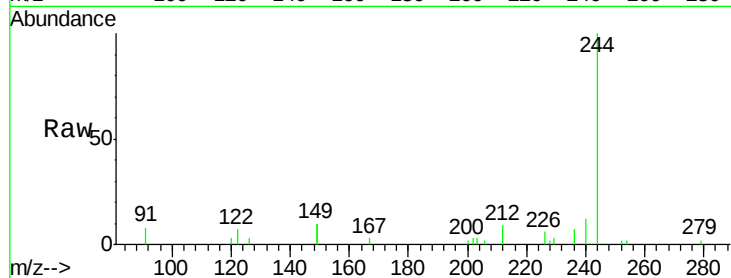
Tot Ion:244 Resp: 4297

Ion Ratio Lower Upper

244 100

212 9.3 25.4 38.0#

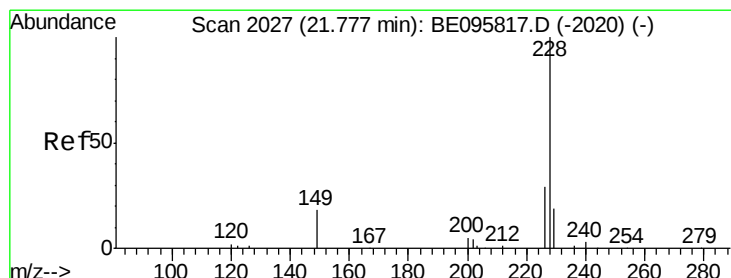
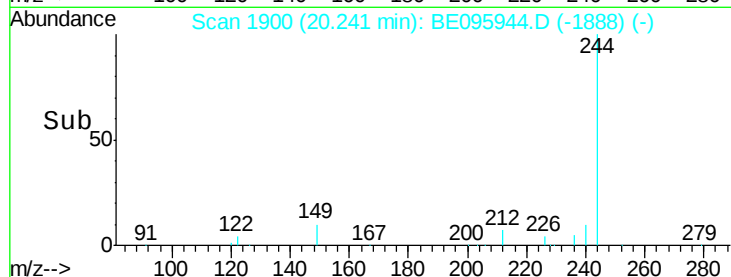
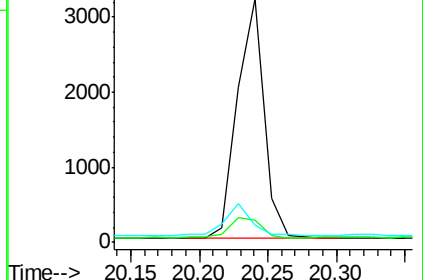
122 7.2 8.1 12.1#



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: 0.314 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

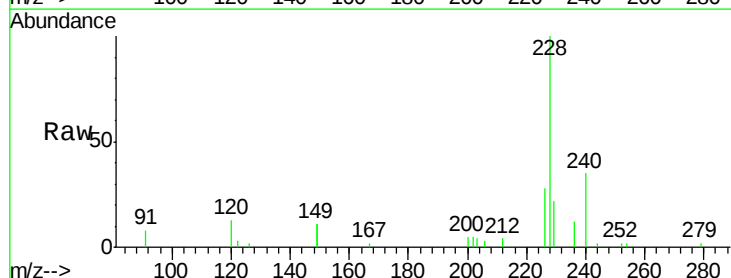
Tgt Ion:228 Resp: 7748

Ion Ratio Lower Upper

228 100

226 27.6 24.0 36.0

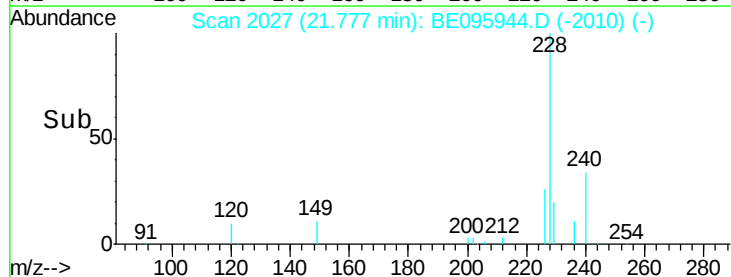
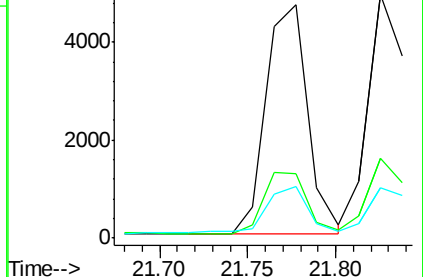
229 22.3 16.0 24.0



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

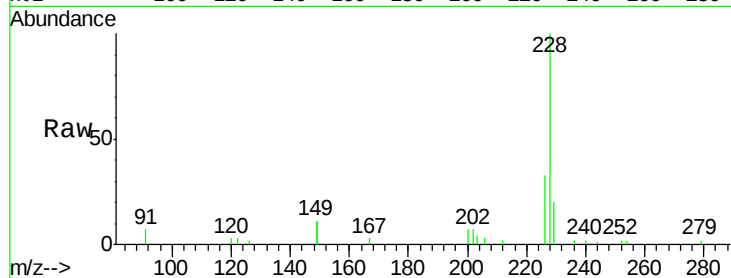




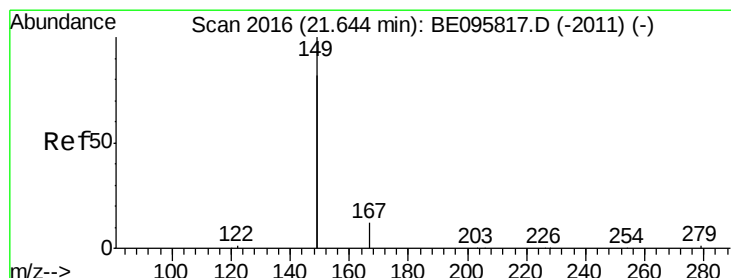
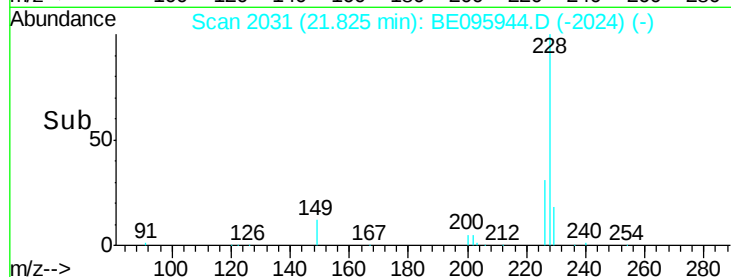
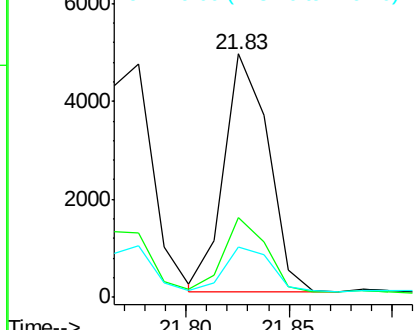
#31
Chrysene
Concen: 0.322 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

Instrument :
BNA_E
ClientSampleId :
SB-4BMSD

Tot Ion:228 Resp: 7256
Ion Ratio Lower Upper
228 100
226 32.5 24.0 36.0
229 20.4 16.0 24.0

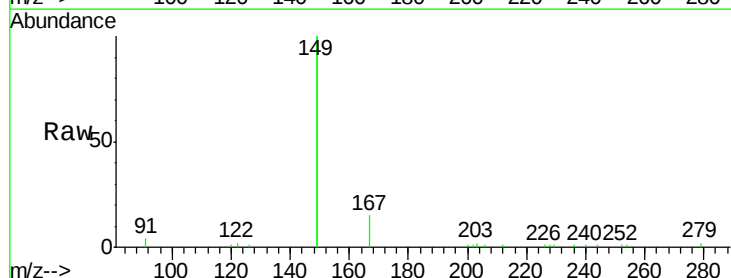


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

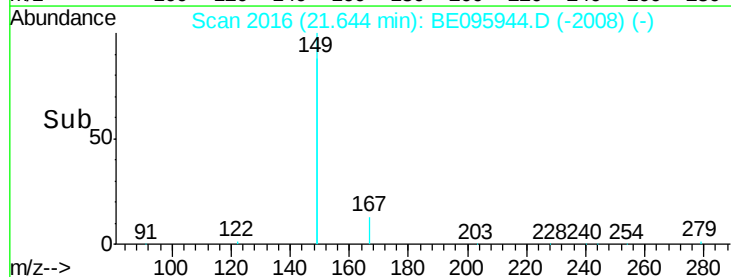
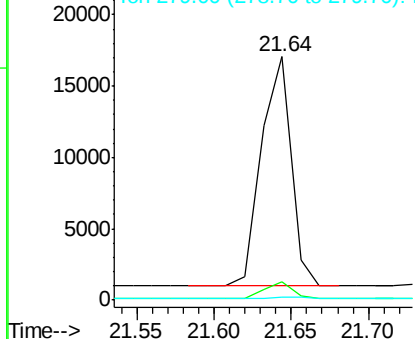


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 21.64 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE095944.D
Acq: 4 Apr 2018 13:14

Tgt Ion:149 Resp: 21582
Ion Ratio Lower Upper
149 100
167 6.7 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: 0.295 ng

RT: 27.22 min Scan# 3498

Delta R.T. -0.03 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

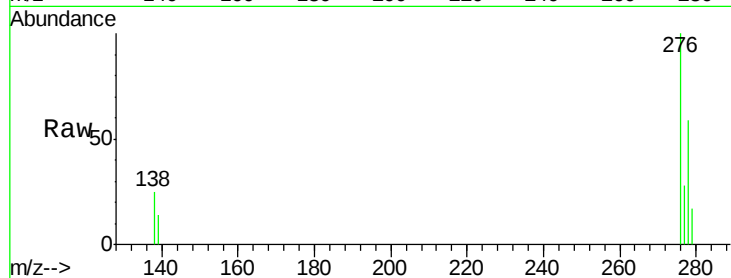
Tot Ion:276 Resp: 7179

Ion Ratio Lower Upper

276 100

138 22.8 22.5 33.7

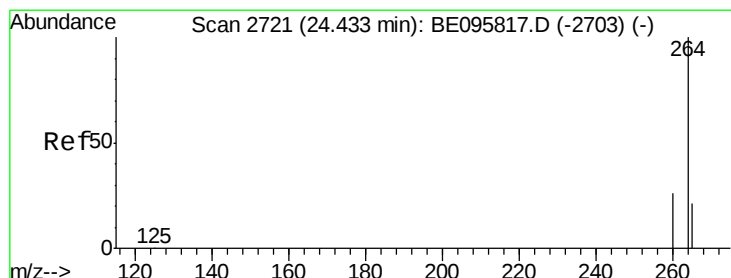
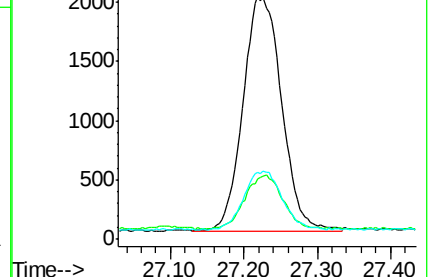
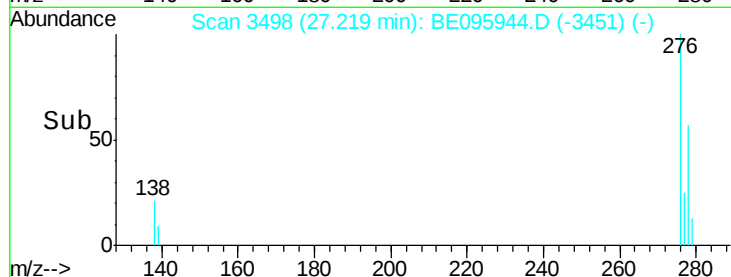
277 25.3 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

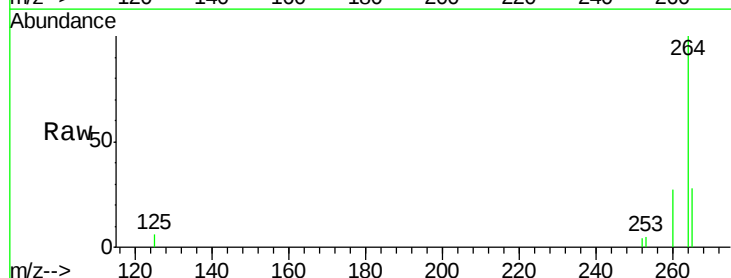
Tgt Ion:264 Resp: 7261

Ion Ratio Lower Upper

264 100

260 26.9 20.5 30.7

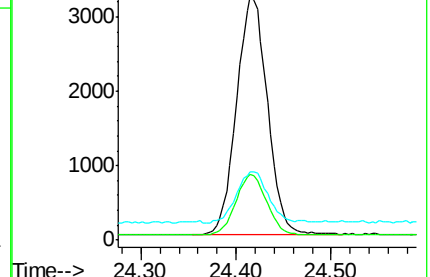
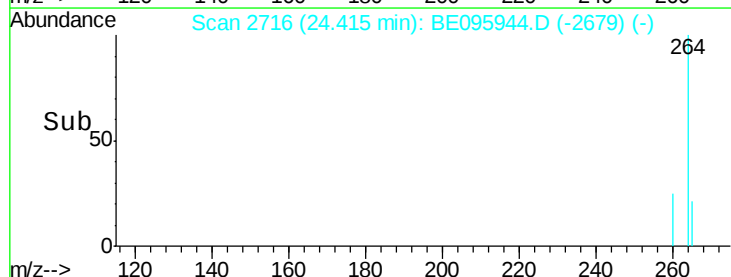
265 28.1 22.8 34.2



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





#35

Benzo(b)fluoranthene

Concen: 0.299 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

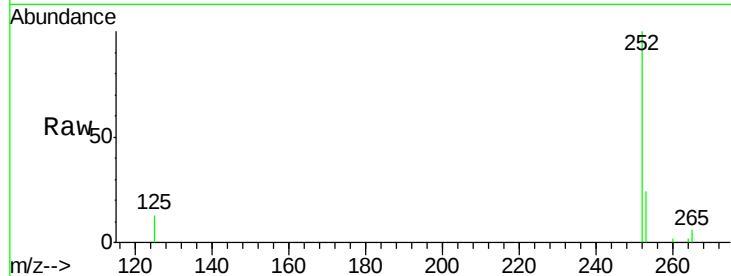
Tot Ion:252 Resp: 7191

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

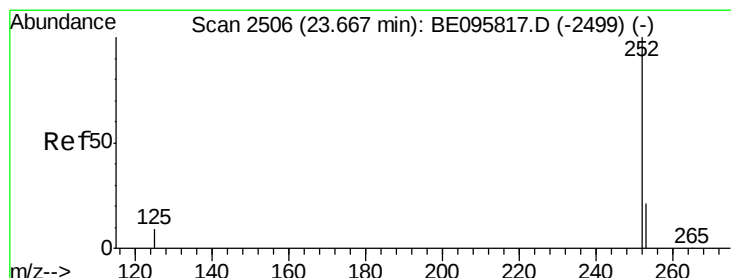
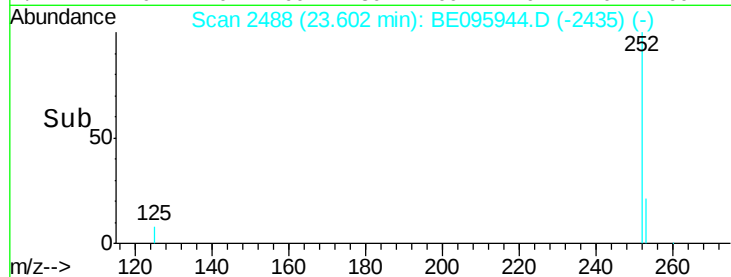
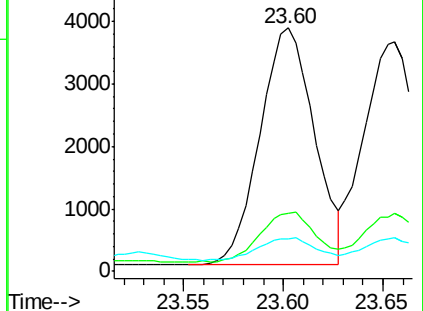
125 13.2 16.0 24.0#



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: 0.285 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

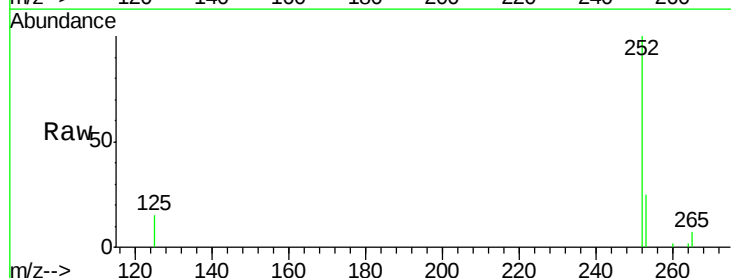
Tgt Ion:252 Resp: 6840

Ion Ratio Lower Upper

252 100

253 25.4 16.0 24.0#

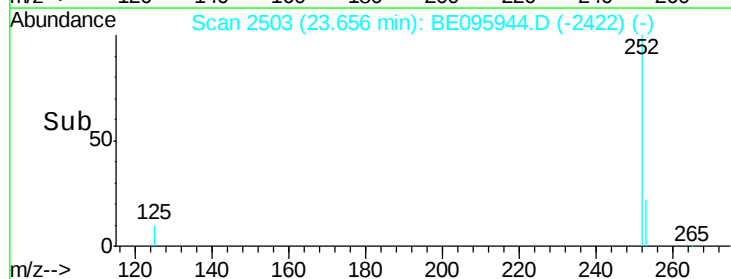
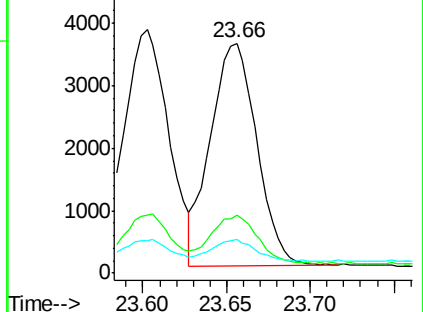
125 14.9 8.0 12.0#



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: 0.301 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

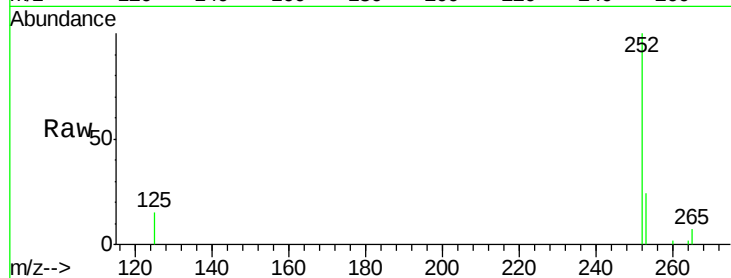
Tot Ion:252 Resp: 6776

Ion Ratio Lower Upper

252 100

253 24.4 16.0 24.0#

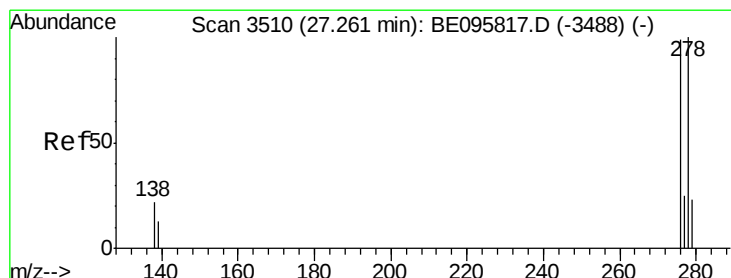
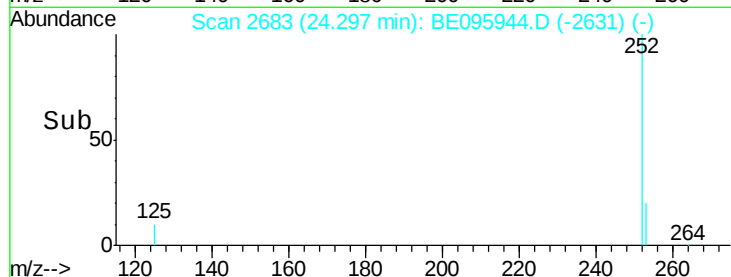
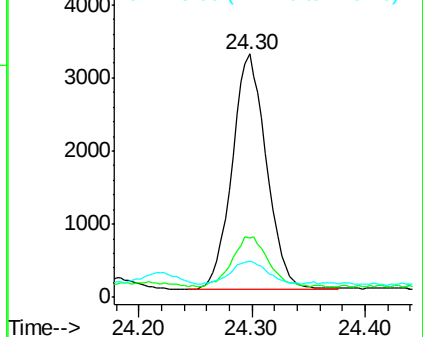
125 15.1 12.0 18.0



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: 0.263 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.02 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

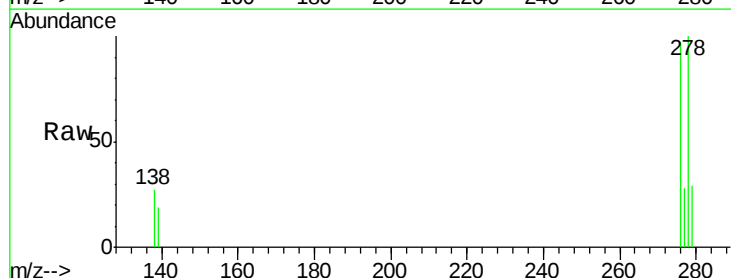
Tgt Ion:278 Resp: 5617

Ion Ratio Lower Upper

278 100

139 19.5 16.0 24.0

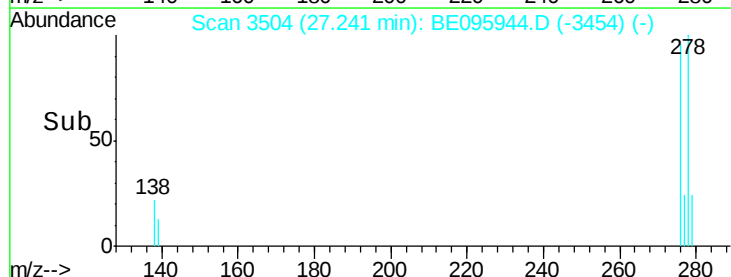
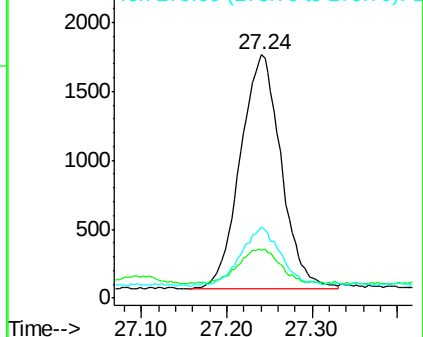
279 29.1 20.0 30.0

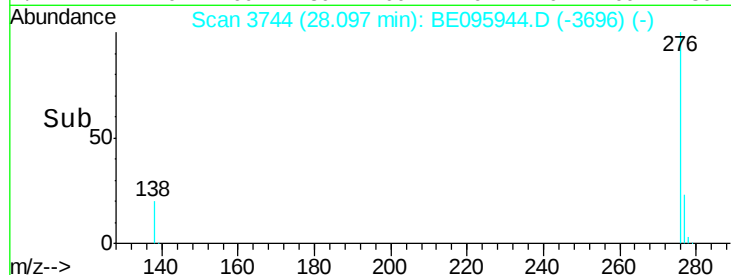
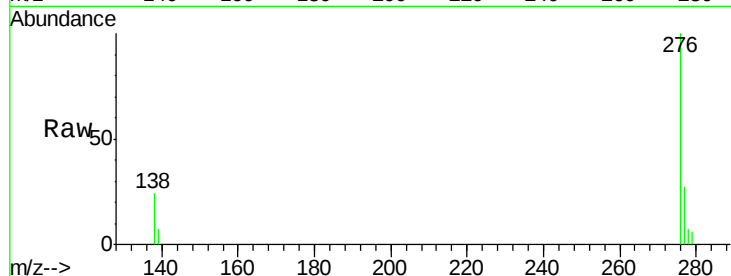
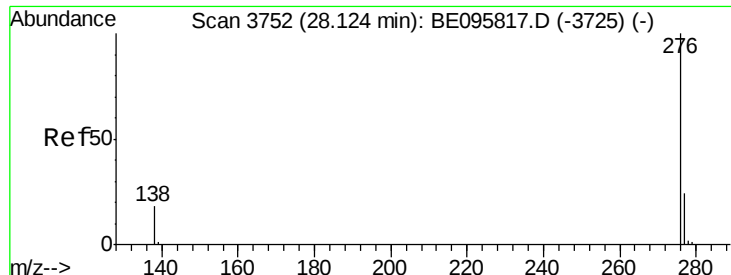


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.283 ng

RT: 28.10 min Scan# 3744

Delta R.T. -0.03 min

Lab File: BE095944.D

Acq: 4 Apr 2018 13:14

Instrument :

BNA_E

ClientSampleId :

SB-4BMSD

Tot Ion: 276 Resp: 6084

Ion Ratio Lower Upper

276 100

277 27.2 16.0 24.0#

138 24.1 20.0 30.0

