

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092418\
 Data File : BE097644.D
 Acq On : 24 Sep 2018 14:30
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 24 16:29:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 16:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	658	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	3381	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	2452	0.40	ng	0.01
19) Phenanthrene-d10	16.76	188	7836	0.40	ng	0.01
27) Chrysene-d12	20.97	240	8151	0.40	ng	0.00
34) Perylene-d12	23.21	264	8015	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	207	0.10	ng	0.00
5) Phenol-d6	0.00	99	0	0.00	ng	
8) Nitrobenzene-d5	8.61	82	141	0.05	ng	0.07
11) 2-Methylnaphthalene-d10	11.76	152	519	0.11	ng	0.04
14) 2,4,6-Tribromophenol	15.55	330	93	0.09	ng	0.02
15) 2-Fluorobiphenyl	12.67	172	859	0.10	ng	0.03
25) Fluoranthene-d10	18.82	212	8695	0.09	ng	0.01
29) Terphenyl-d14	19.43	244	1825	0.12	ng	0.01

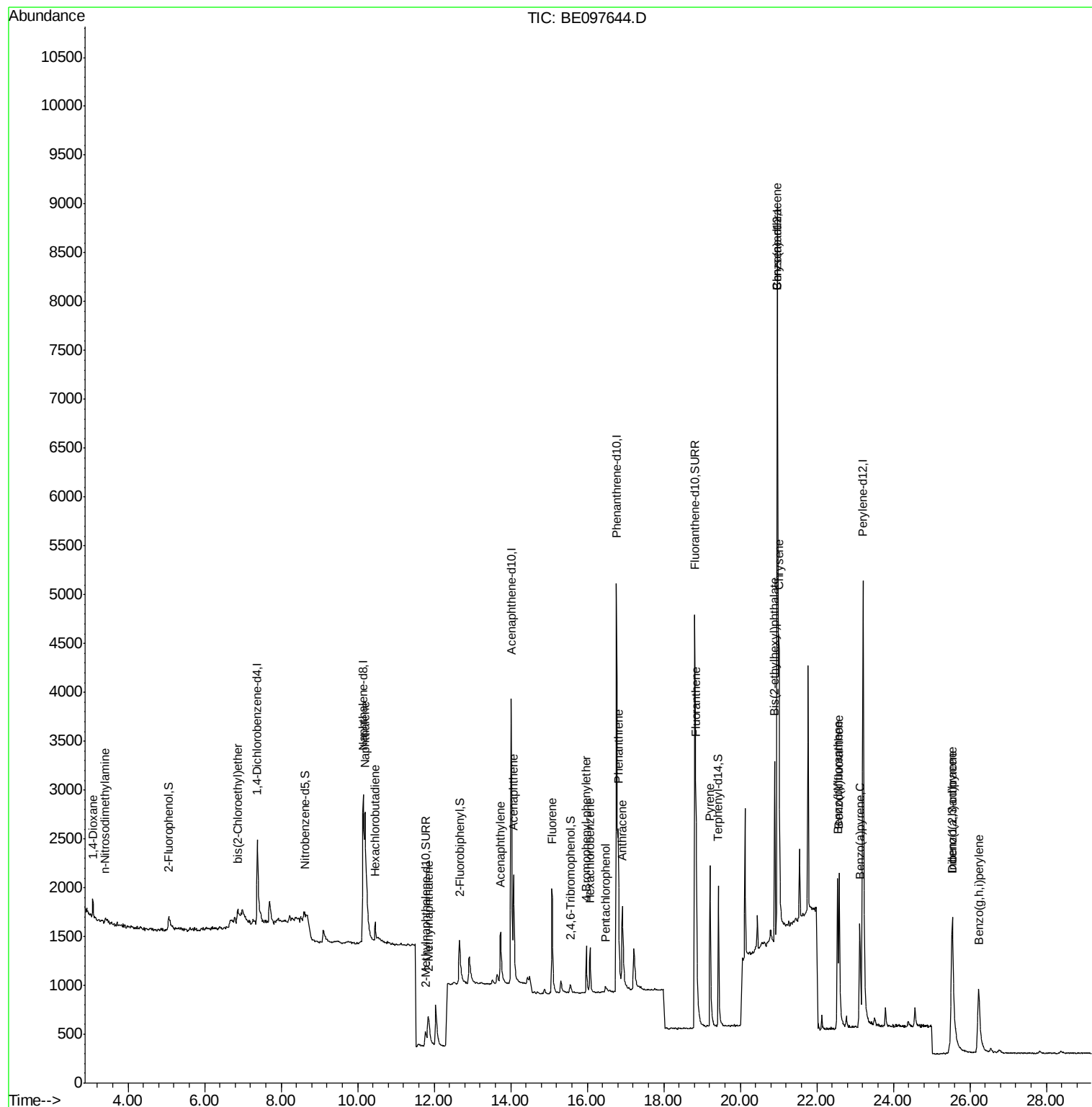
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	131	0.113	ng	# 87
3) n-Nitrosodimethylamine	3.40	42	55	0.054	ng	# 70
6) bis(2-Chloroethyl)ether	6.87	93	97	0.041	ng	# 60
9) Naphthalene	10.20	128	3316	0.109	ng	# 90
10) Hexachlorobutadiene	10.46	225	161	0.115	ng	97
12) 2-Methylnaphthalene	11.85	142	473	0.100	ng	# 91
16) Acenaphthylene	13.74	152	1040	0.107	ng	98
17) Acenaphthene	14.07	154	655	0.101	ng	88
18) Fluorene	15.07	166	980	0.116	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	343	0.097	ng	# 77
21) Hexachlorobenzene	16.08	284	439	0.113	ng	# 84
22) Pentachlorophenol	16.47	266	78	0.057	ng	98
23) Phenanthrene	16.81	178	1980	0.106	ng	97
24) Anthracene	16.92	178	1411	0.086	ng	95
26) Fluoranthene	18.84	202	2208	0.086	ng	98
28) Pyrene	19.21	202	2334	0.126	ng	99
30) Benzo(a)anthracene	20.97	228	2139	0.104	ng	96
31) Chrysene	21.00	228	2444	0.111	ng	96
32) Bis(2-ethylhexyl)phthalate	20.89	149	2523	0.062	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.53	276	2534	0.096	ng	95
35) Benzo(b)fluoranthene	22.54	252	2074	0.101	ng	93
36) Benzo(k)fluoranthene	22.58	252	2525	0.108	ng	# 85
37) Benzo(a)pyrene	23.12	252	2203	0.104	ng	# 67
38) Dibenzo(a,h)anthracene	25.55	278	2137	0.099	ng	# 89
39) Benzo(g,h,i)perylene	26.23	276	2150	0.103	ng	# 90

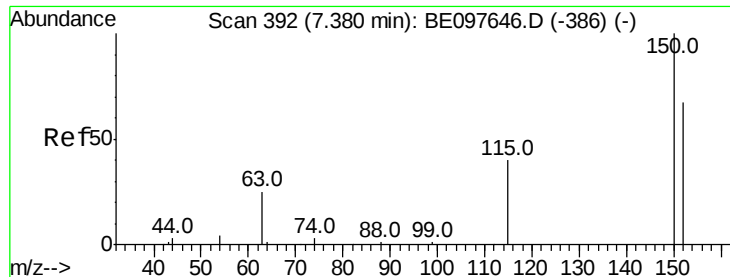
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 16:28:05 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.38 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

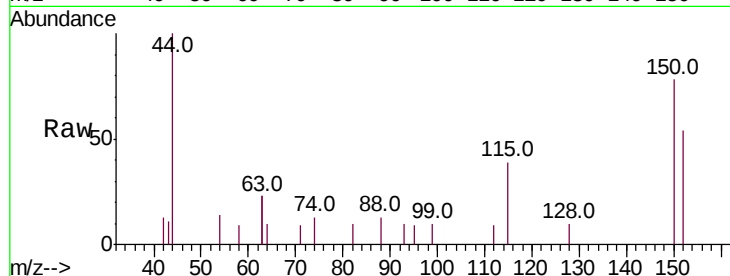
Tot Ion:152 Resp: 658

Ion Ratio Lower Upper

152 100

150 145.6 117.2 175.8

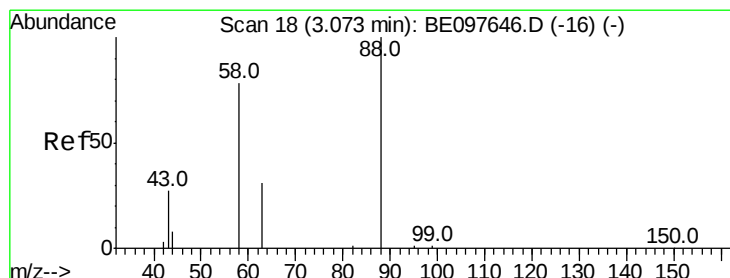
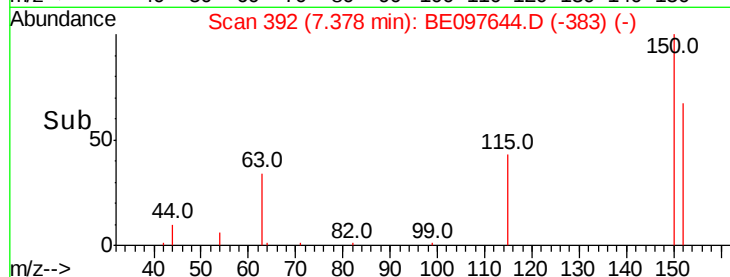
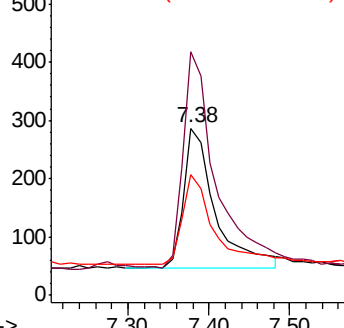
115 72.1 57.0 85.6



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: 0.113 ng

RT: 3.08 min Scan# 19

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

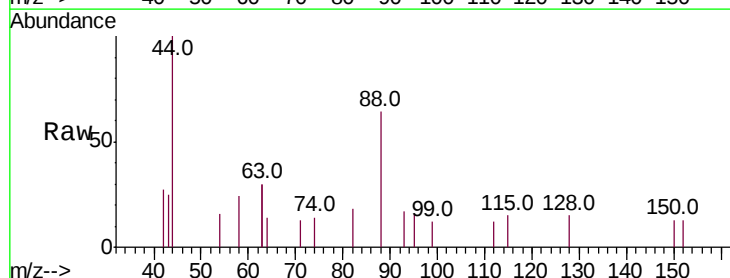
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

58 81.7 63.2 94.8

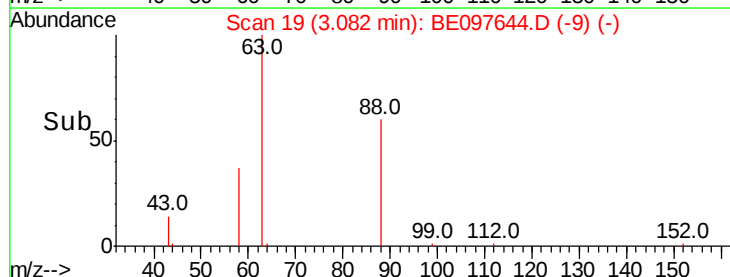
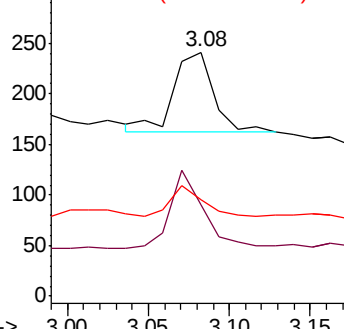
43 31.3 41.2 61.8#

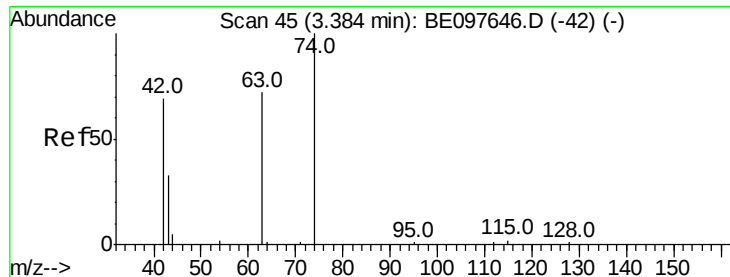


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.054 ng

RT: 3.40 min Scan# 47

Delta R.T. 0.02 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampled :

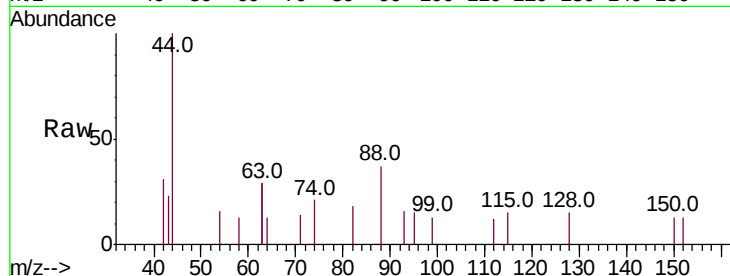
Tot Ion: 42 Resp: 55

Ion Ratio Lower Upper

42 100

74 143.6 96.0 144.0

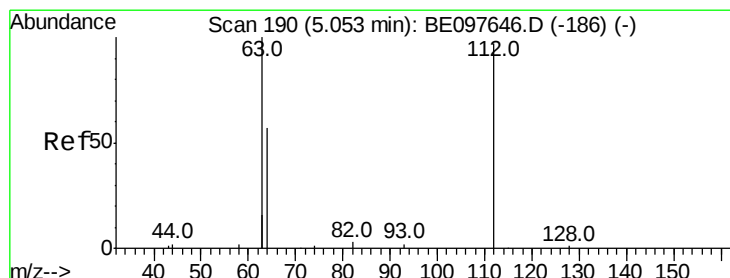
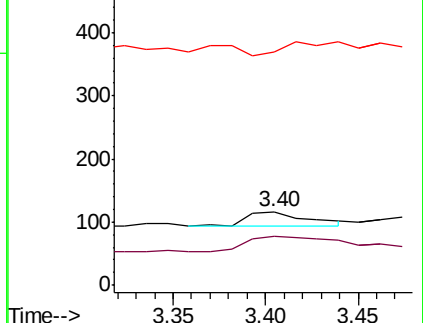
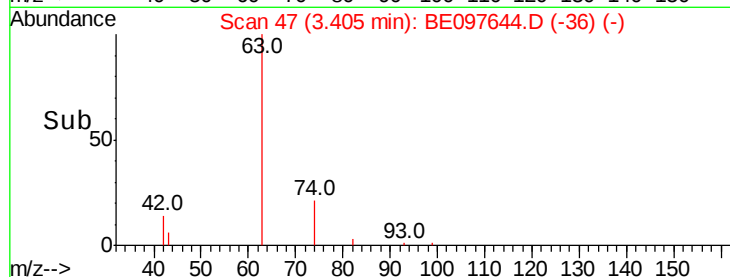
44 58.2 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.105 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

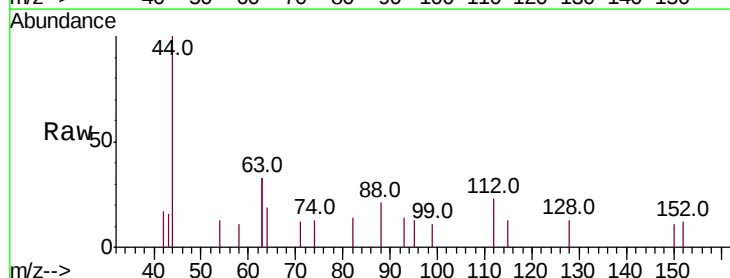
Tgt Ion: 112 Resp: 207

Ion Ratio Lower Upper

112 100

64 69.1 60.1 90.1

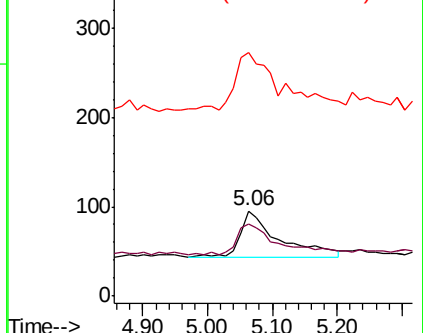
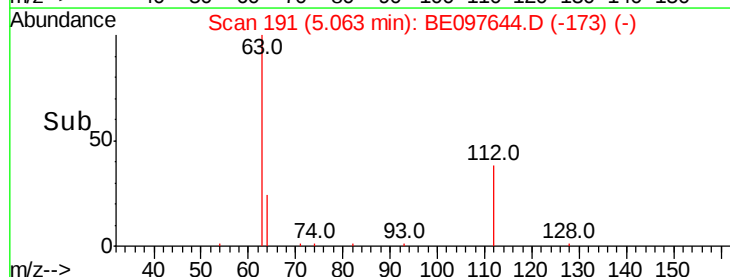
63 171.0 116.8 175.2

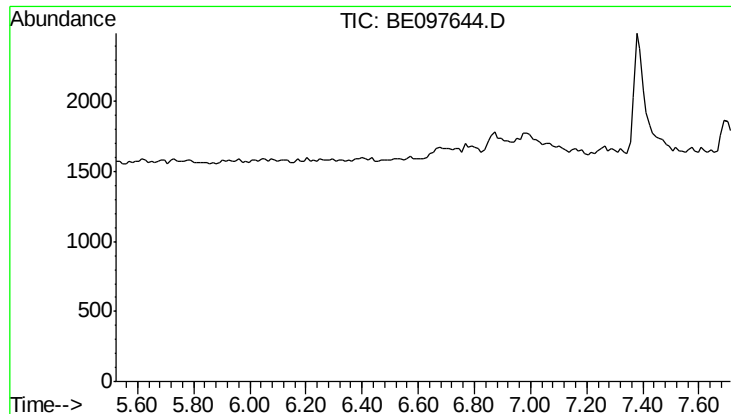


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.62 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

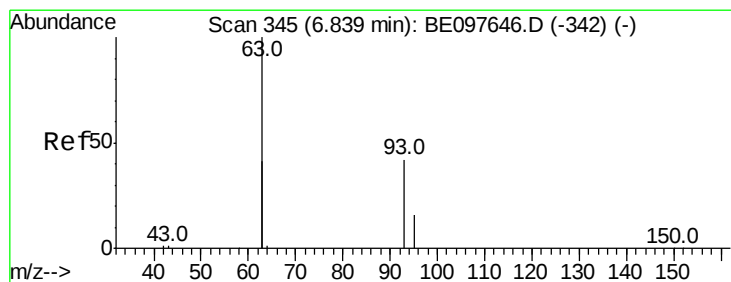
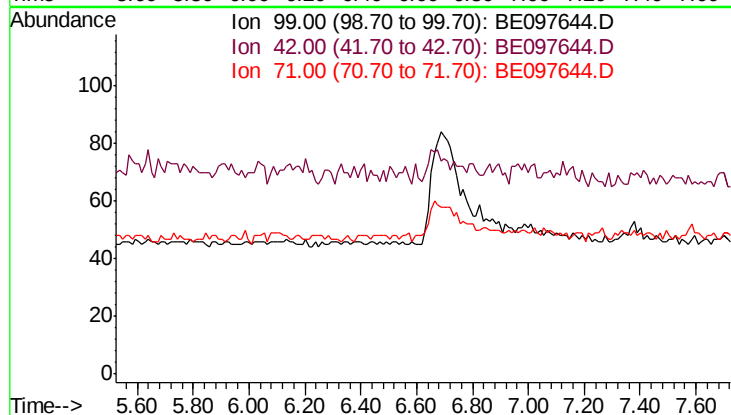
Tot Ion: 99

Sig Exp Ratio

99 100

42 25.2

71 35.5



#6

bis(2-Chloroethyl)ether

Concen: 0.041 ng

RT: 6.87 min Scan# 348

Delta R.T. 0.03 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

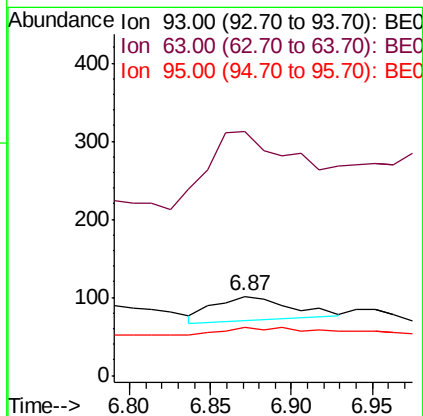
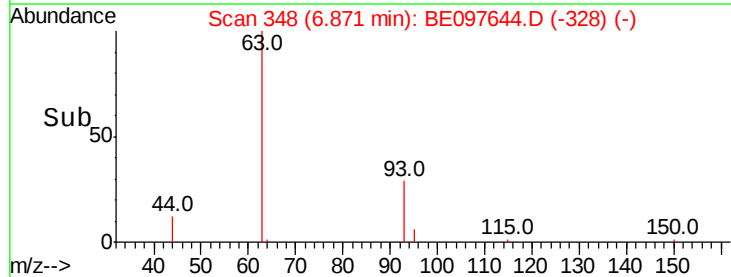
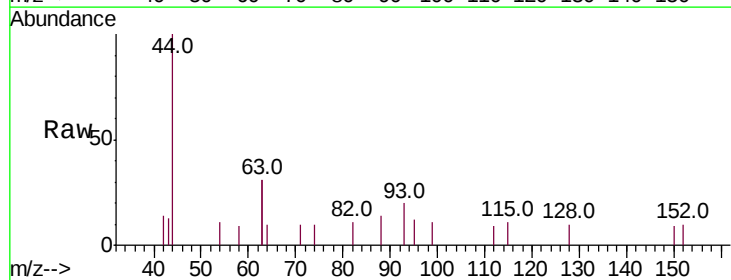
Tgt Ion: 93 Resp: 97

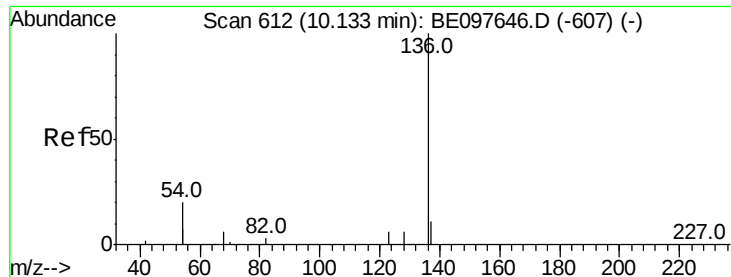
Ion Ratio Lower Upper

93 100

63 428.9 275.3 412.9#

95 53.6 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3381

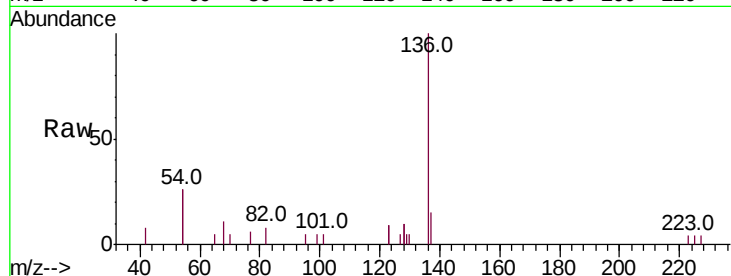
Ion Ratio Lower Upper

136 100

137 14.8 9.5 14.3#

54 51.4 29.1 43.7#

68 11.0 6.2 9.2#



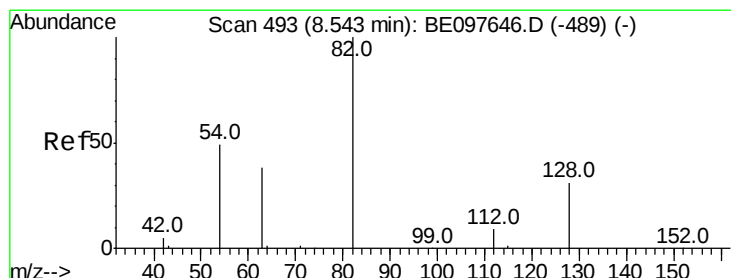
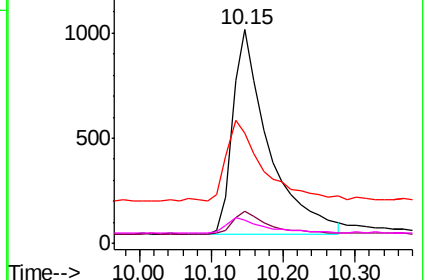
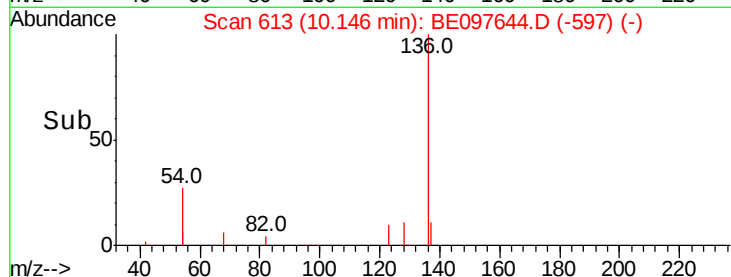
Abundance

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: 0.054 ng

RT: 8.61 min Scan# 499

Delta R.T. 0.07 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

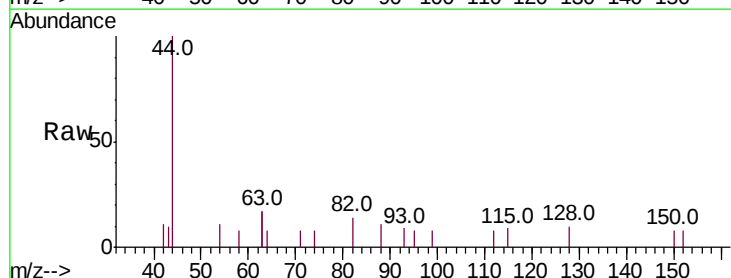
Tgt Ion: 82 Resp: 141

Ion Ratio Lower Upper

82 100

128 73.2 24.0 36.0#

54 76.8 40.0 60.0#

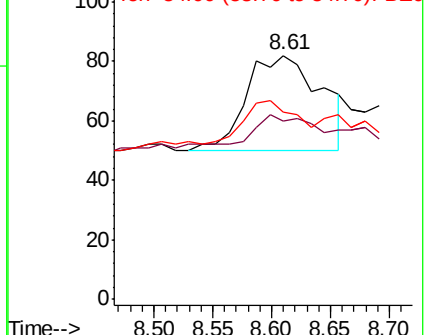
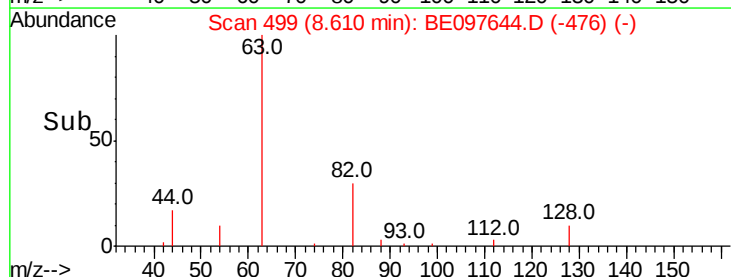


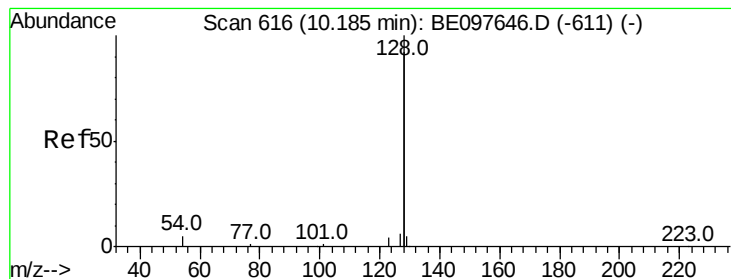
Abundance

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: 0.109 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

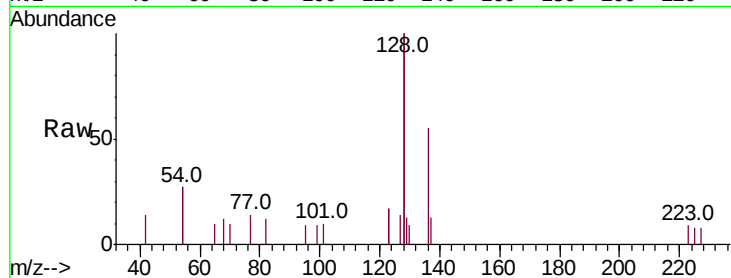
Tot Ion:128 Resp: 3316

Ion Ratio Lower Upper

128 100

129 6.5 2.6 3.8#

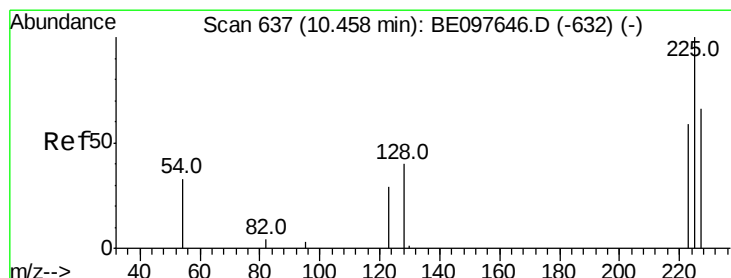
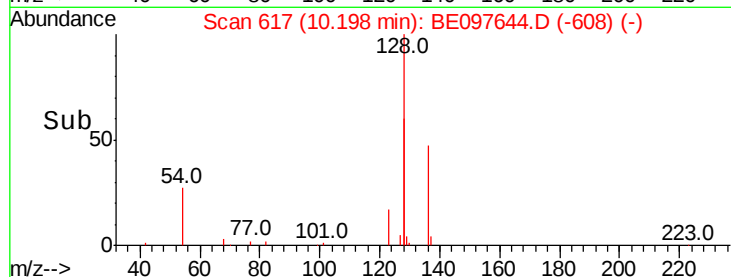
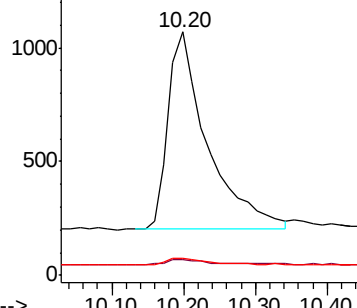
127 7.0 2.8 4.2#



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: 0.115 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

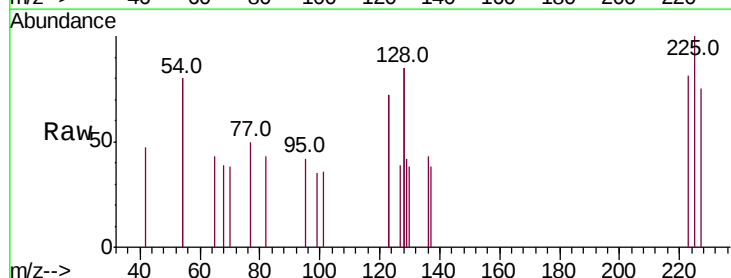
Tgt Ion:225 Resp: 161

Ion Ratio Lower Upper

225 100

223 69.6 53.0 79.6

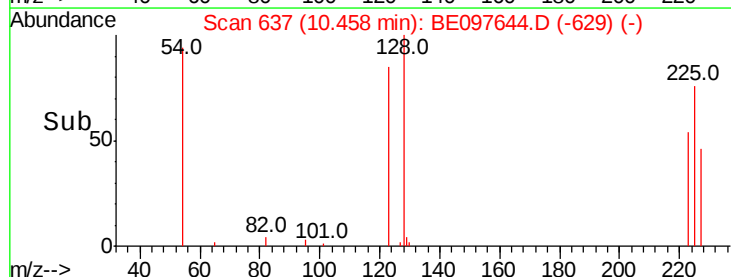
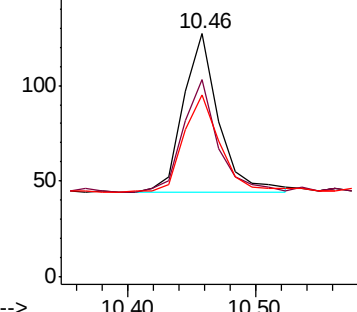
227 62.7 51.4 77.2

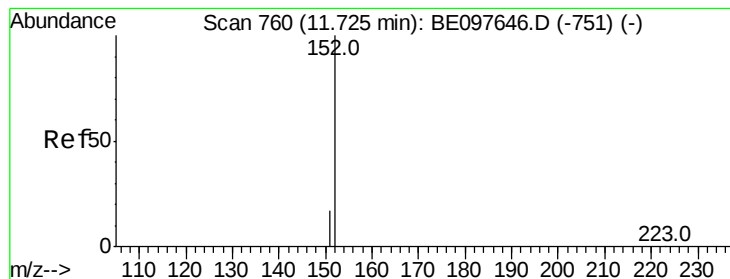


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.111 ng

RT: 11.76 min Scan# 768

Delta R.T. 0.04 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

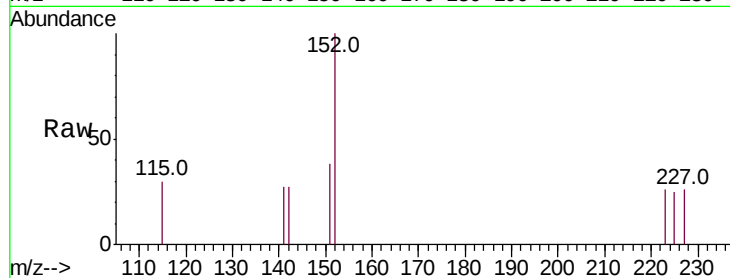
ClientSampleId :

Tot Ion:152 Resp: 519

Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

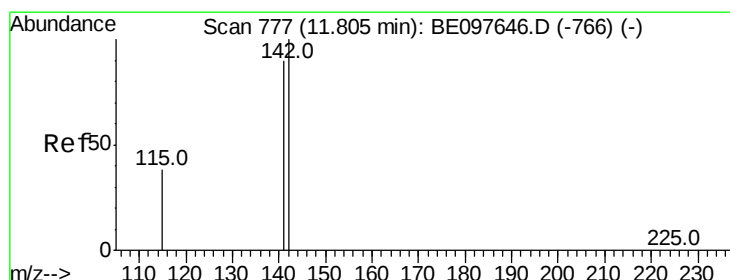
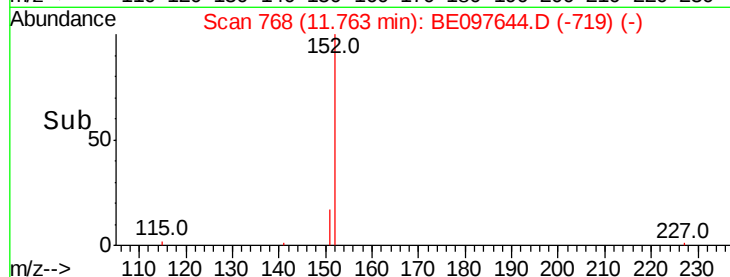
150

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.100 ng

RT: 11.85 min Scan# 786

Delta R.T. 0.04 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

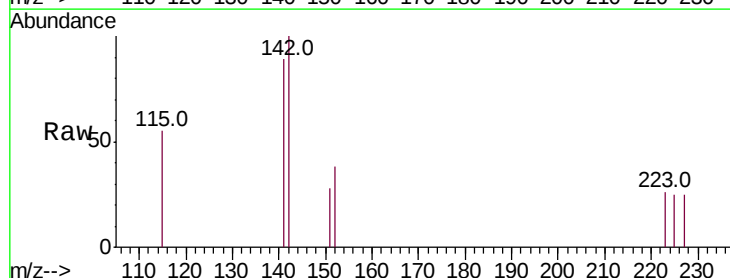
Tgt Ion:142 Resp: 473

Ion Ratio Lower Upper

142 100

141 89.3 70.4 105.6

115 54.8 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

11.85

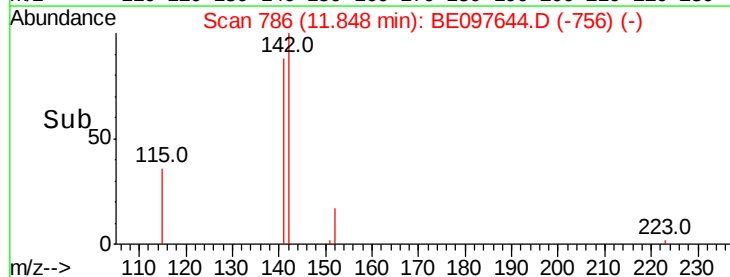
150

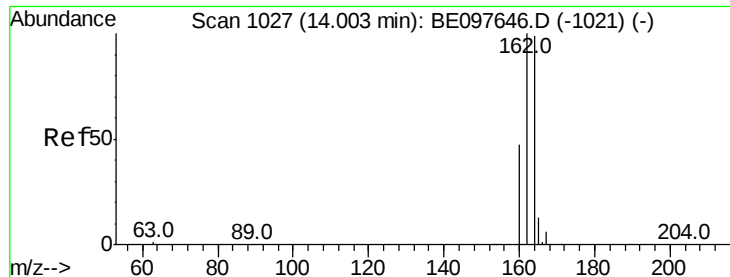
100

50

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

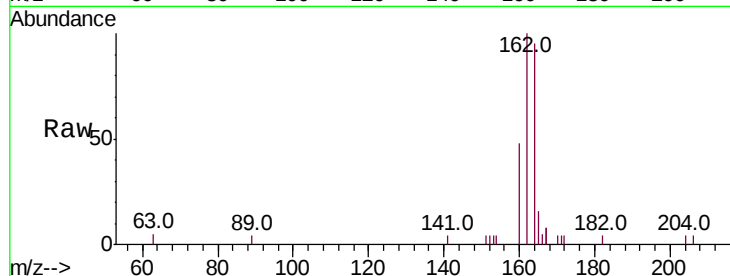
Tot Ion:164 Resp: 2452

Ion Ratio Lower Upper

164 100

162 105.0 83.1 124.7

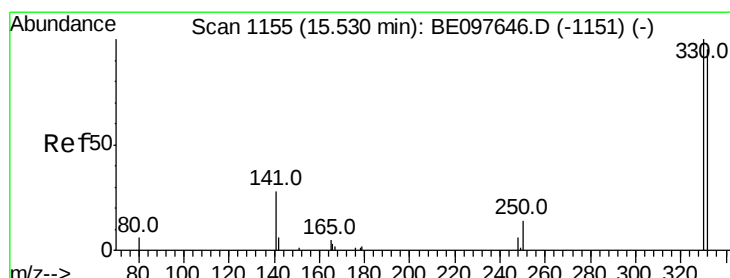
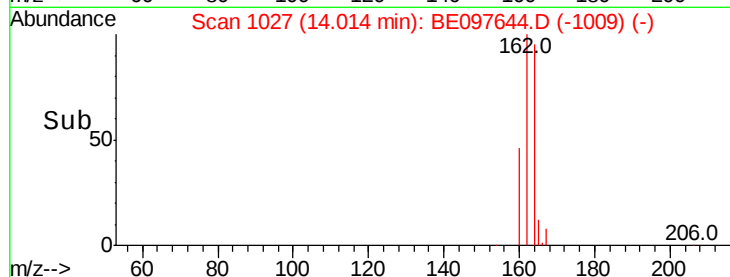
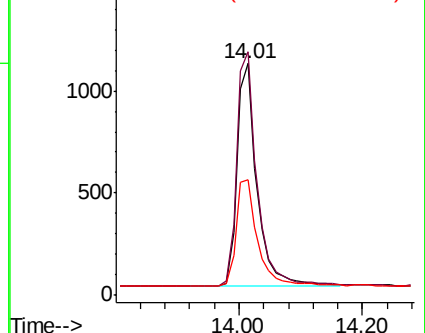
160 50.0 37.1 55.7



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: 0.091 ng

RT: 15.55 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

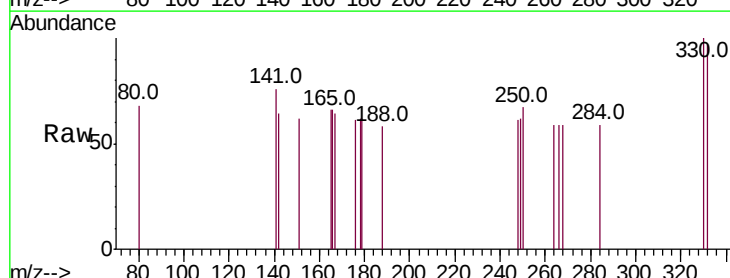
Tgt Ion:330 Resp: 93

Ion Ratio Lower Upper

330 100

332 84.9 152.7 229.1#

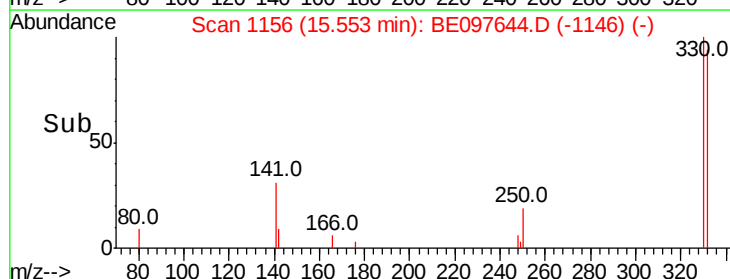
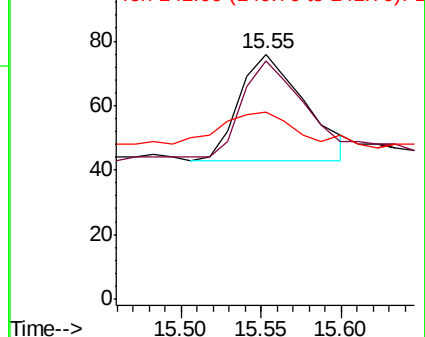
141 32.3 33.7 50.5#

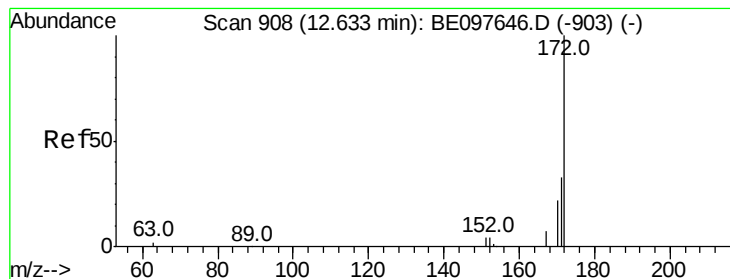


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.099 ng

RT: 12.67 min Scan# 910

Delta R.T. 0.03 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

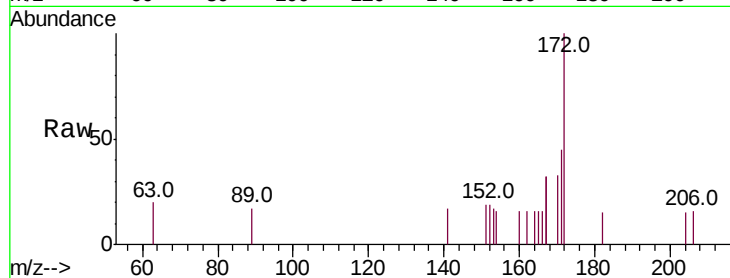
Tot Ion:172 Resp: 859

Ion Ratio Lower Upper

172 100

171 44.6 29.9 44.9

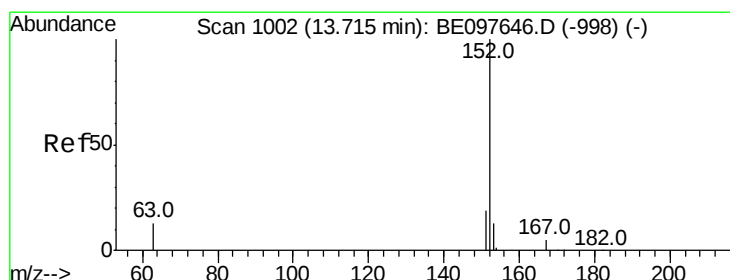
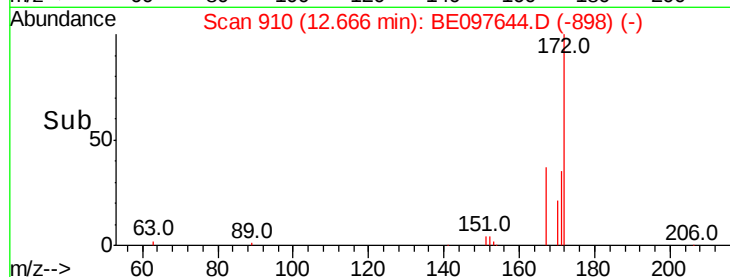
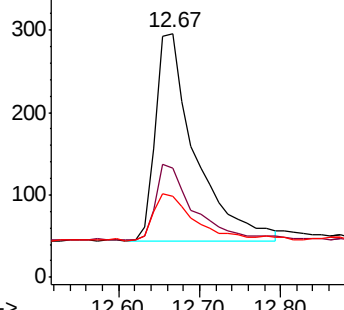
170 33.1 21.8 32.8#



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: 0.107 ng

RT: 13.74 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

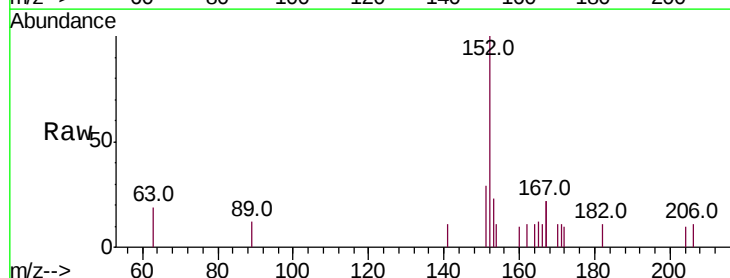
Tgt Ion:152 Resp: 1040

Ion Ratio Lower Upper

152 100

151 21.0 15.7 23.5

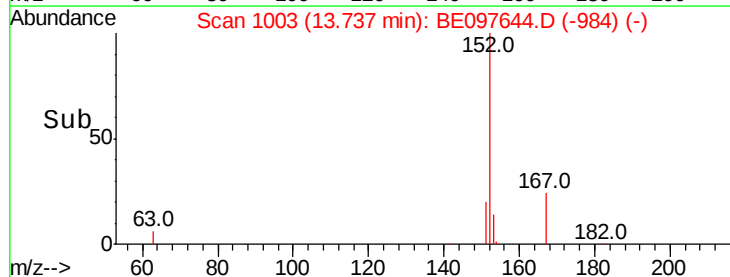
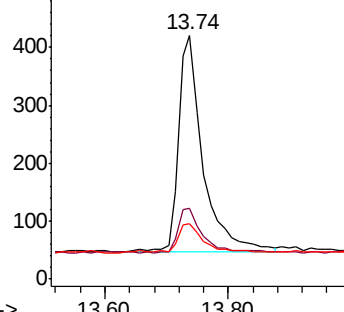
153 13.3 10.5 15.7

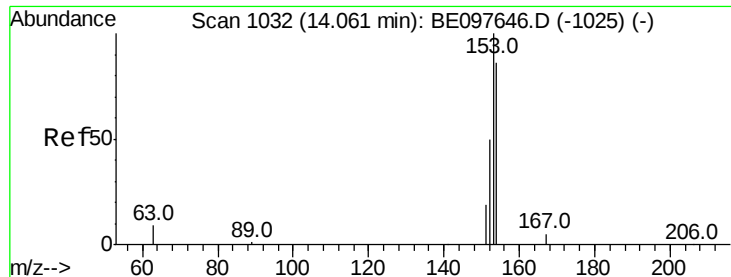


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.101 ng

RT: 14.07 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampled :

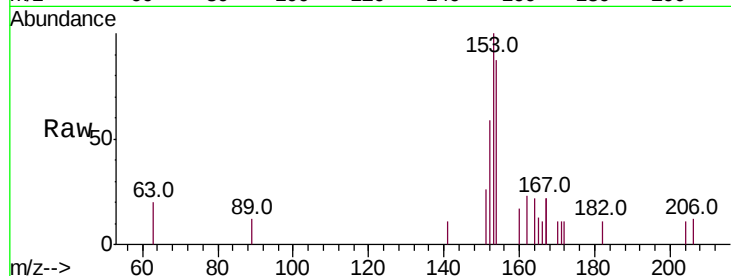
Tot Ion:154 Resp: 655

Ion Ratio Lower Upper

154 100

153 122.6 89.2 133.8

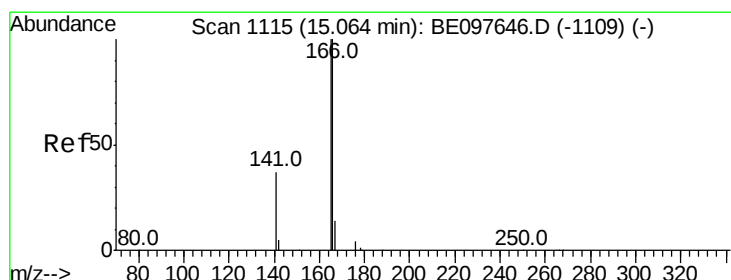
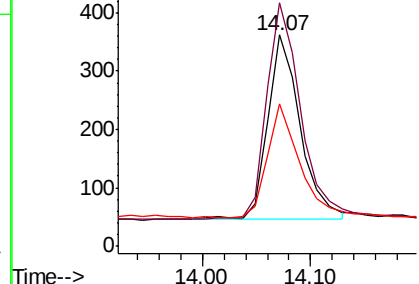
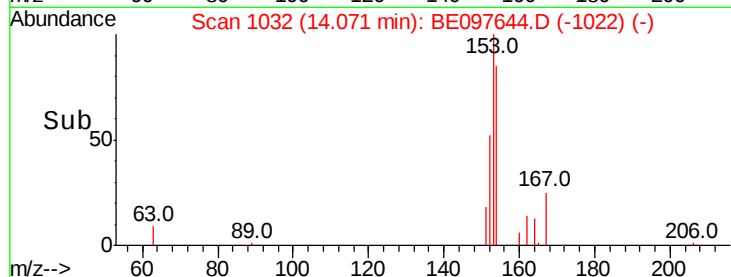
152 62.6 42.0 63.0



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: 0.116 ng

RT: 15.07 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

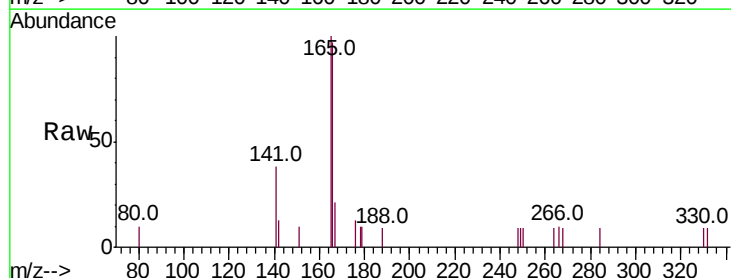
Tgt Ion:166 Resp: 980

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

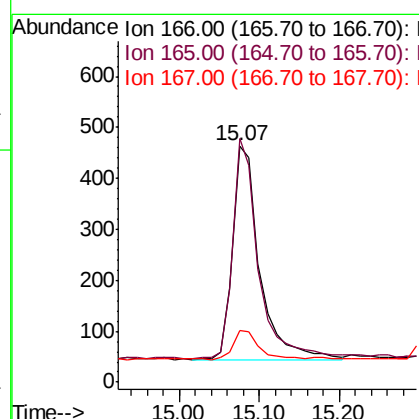
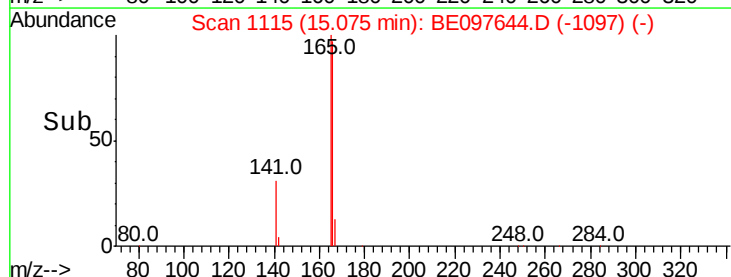
167 13.7 42.4 63.6#

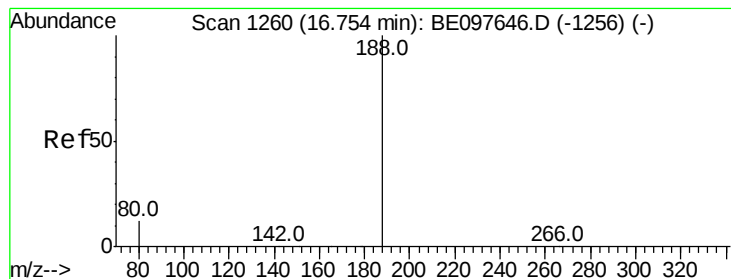


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.76 min Scan# 1260

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

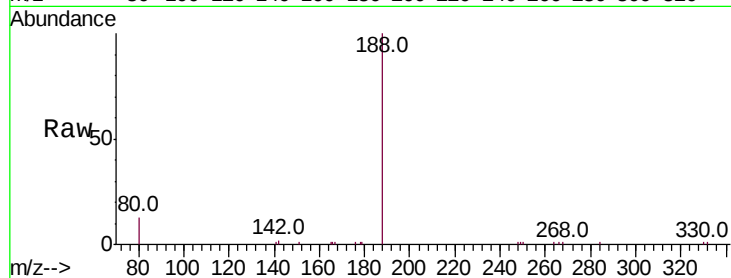
Tot Ion:188 Resp: 7836

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

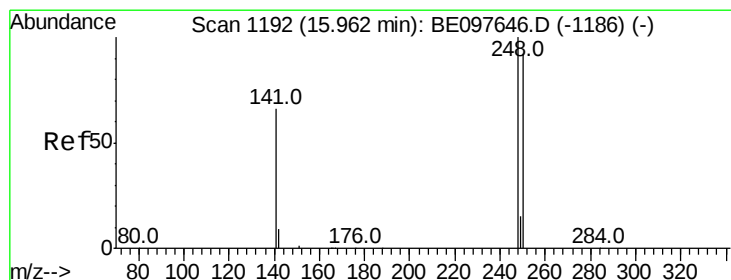
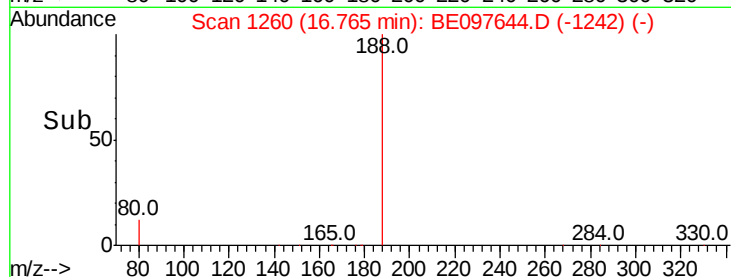
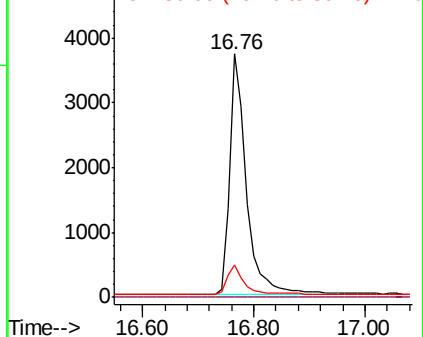
80 13.3 3.6 5.4#



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: 0.097 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

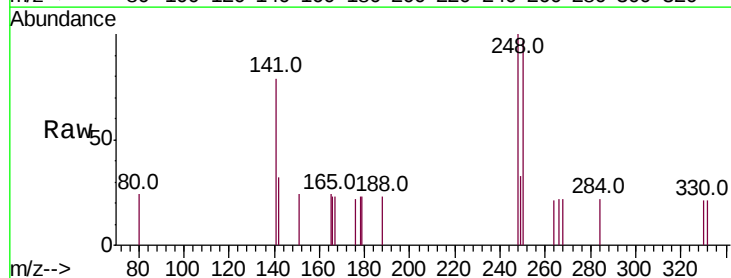
Tgt Ion:248 Resp: 343

Ion Ratio Lower Upper

248 100

250 96.6 62.7 94.1#

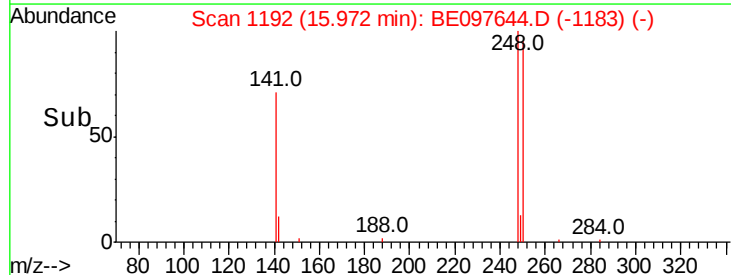
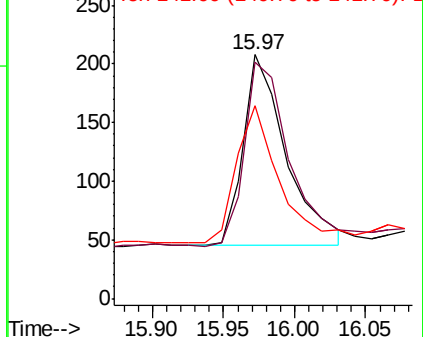
141 78.8 48.2 72.2#

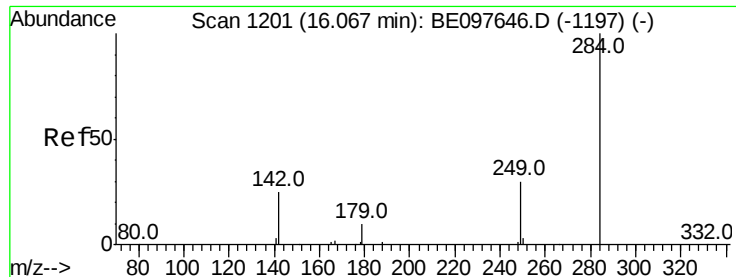


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.113 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

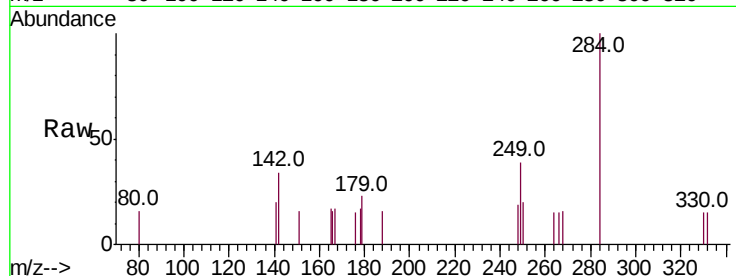
Tot Ion:284 Resp: 439

Ion Ratio Lower Upper

284 100

142 31.0 22.1 33.1

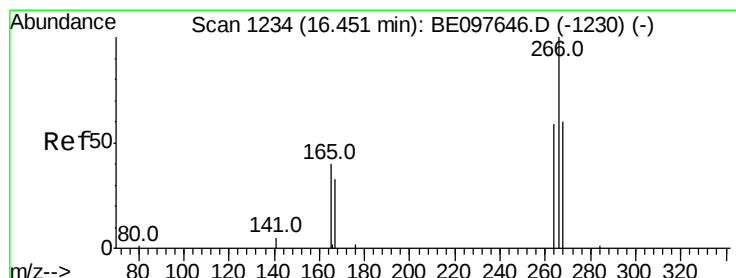
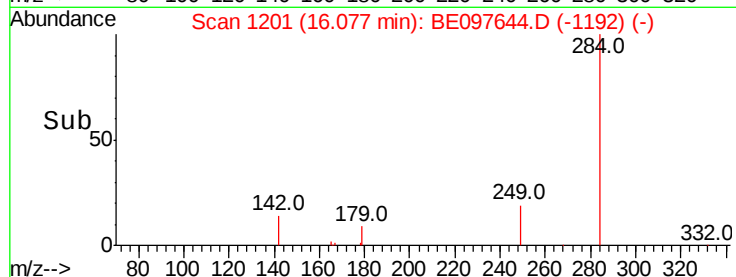
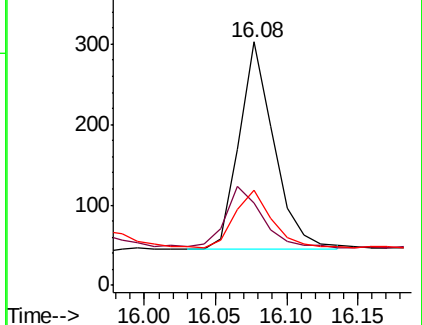
249 29.4 34.8 52.2#



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: 0.057 ng

RT: 16.47 min Scan# 1235

Delta R.T. 0.02 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

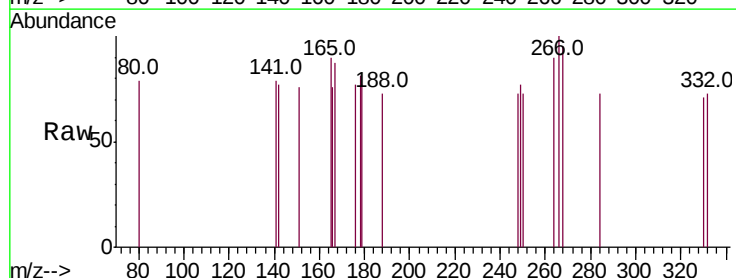
Tgt Ion:266 Resp: 78

Ion Ratio Lower Upper

266 100

264 90.3 72.5 108.7

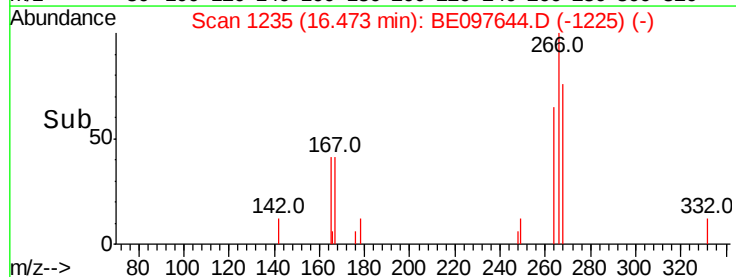
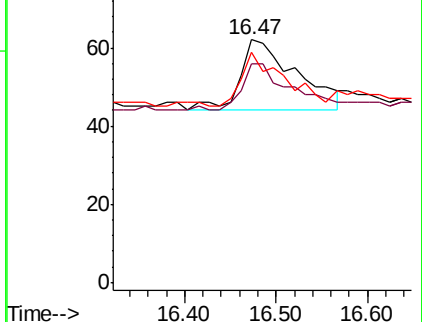
268 95.2 73.8 110.6

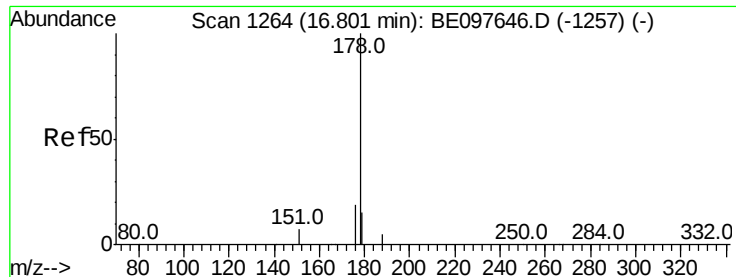


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.106 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

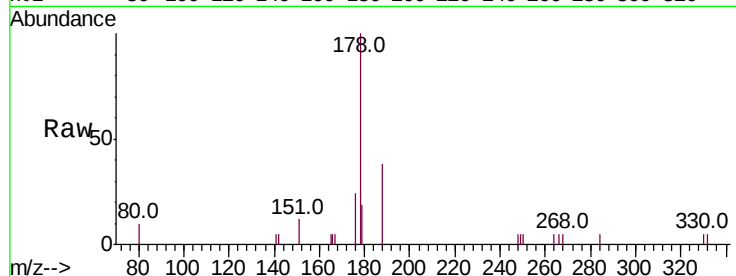
Tot Ion:178 Resp: 1980

Ion Ratio Lower Upper

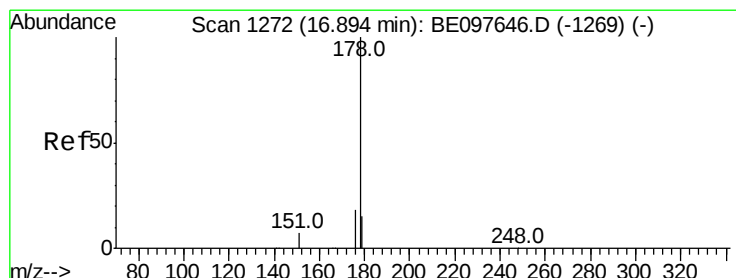
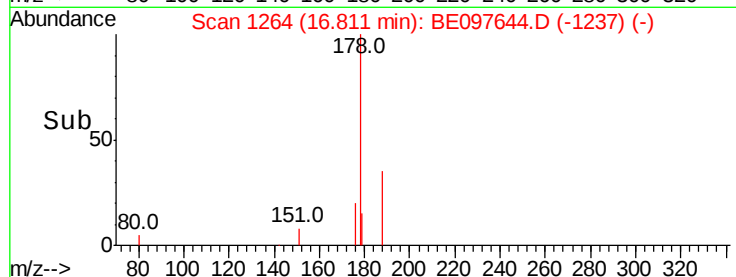
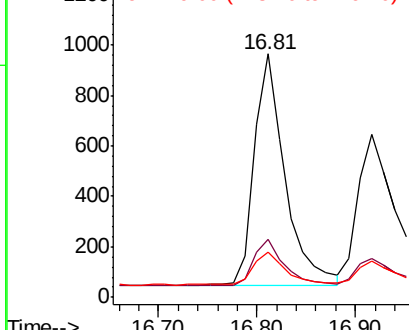
178 100

176 20.3 15.1 22.7

179 16.0 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.086 ng

RT: 16.92 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

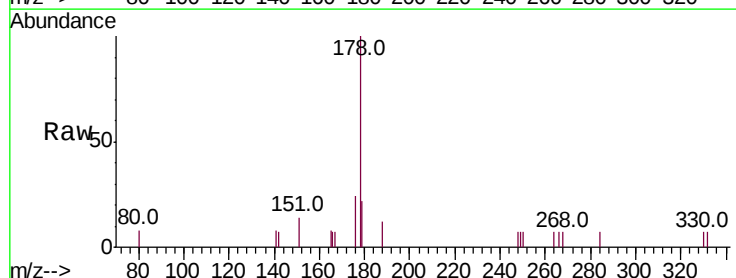
Tgt Ion:178 Resp: 1411

Ion Ratio Lower Upper

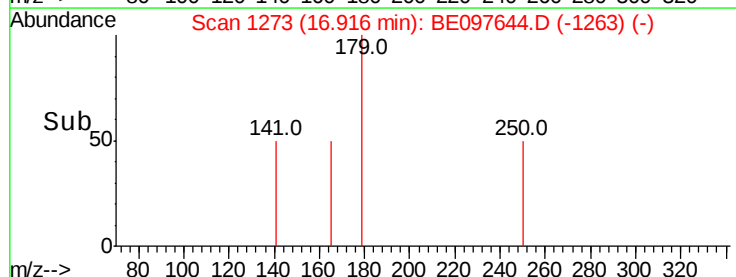
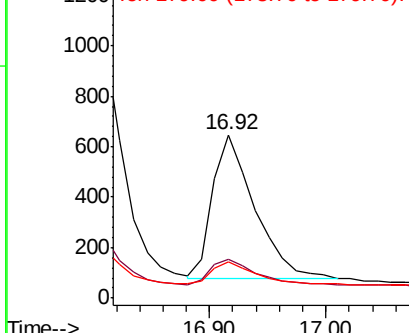
178 100

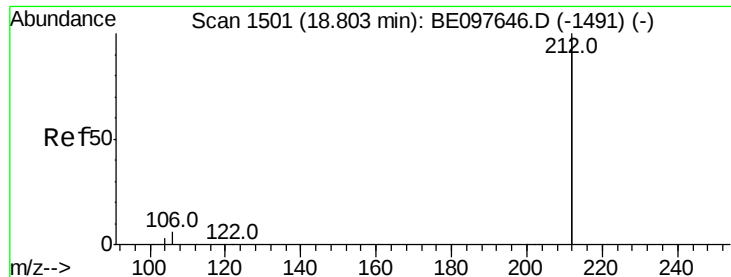
176 18.8 12.8 19.2

179 14.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.087 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

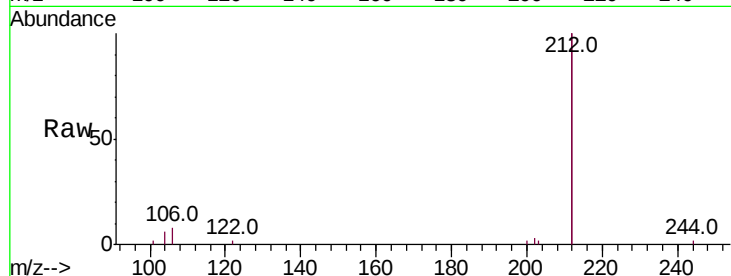
Tot Ion:212 Resp: 8695

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

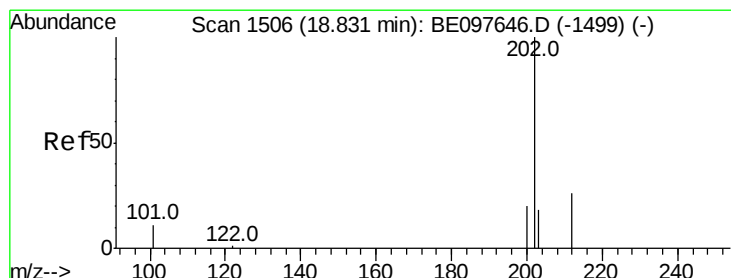
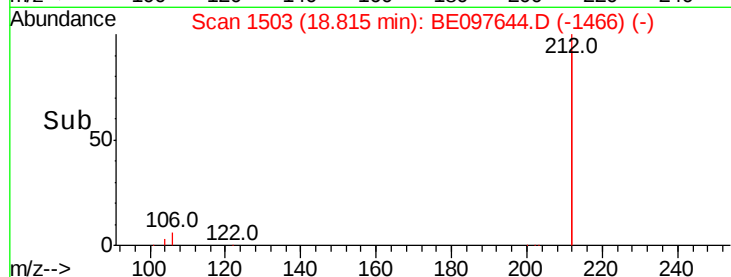
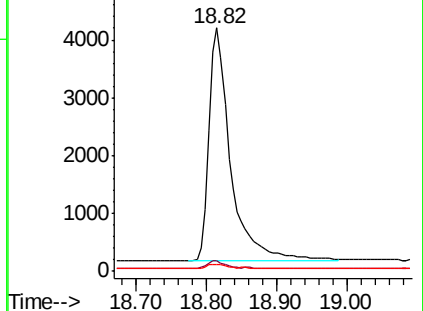
104 1.8 1.6 2.4



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: 0.086 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

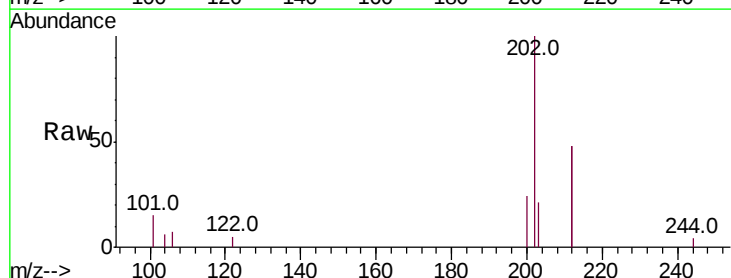
Tgt Ion:202 Resp: 2208

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

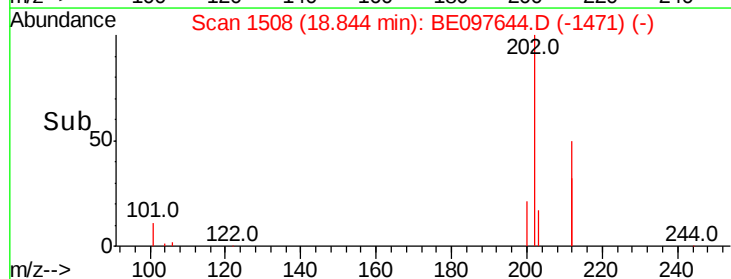
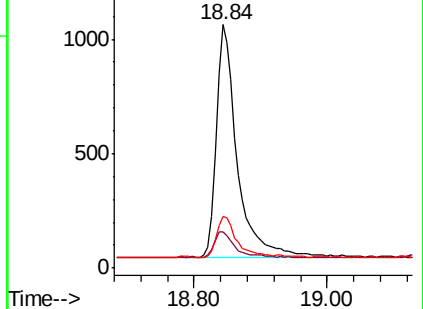
203 16.7 13.7 20.5

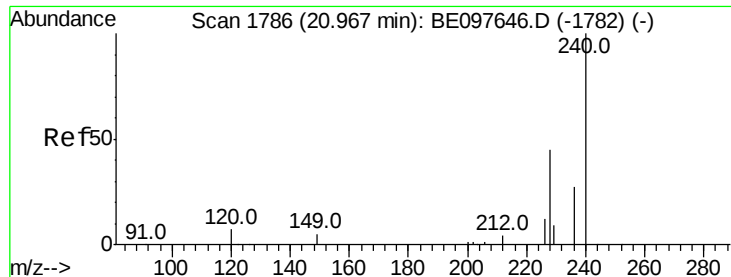


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

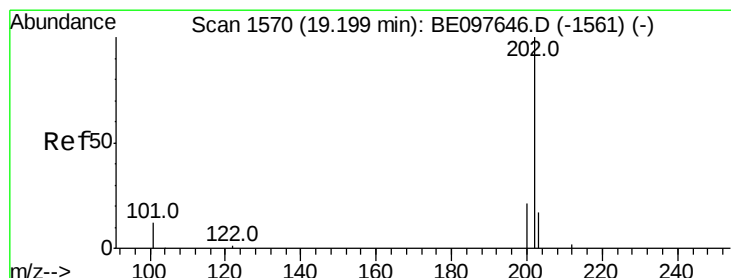
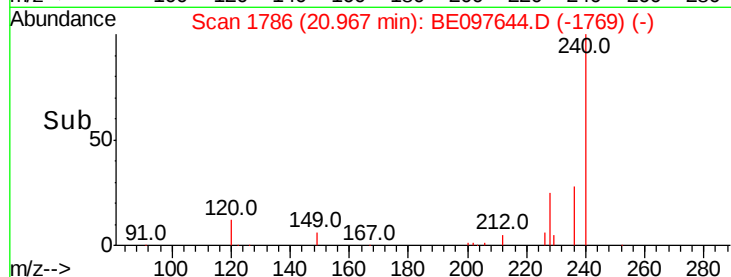
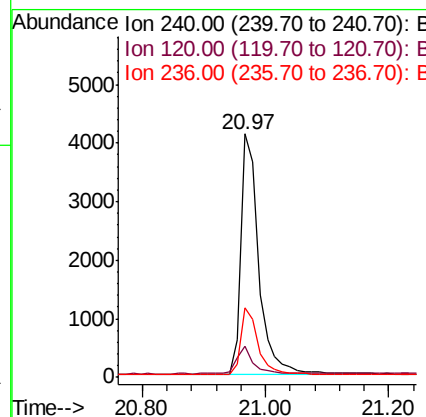
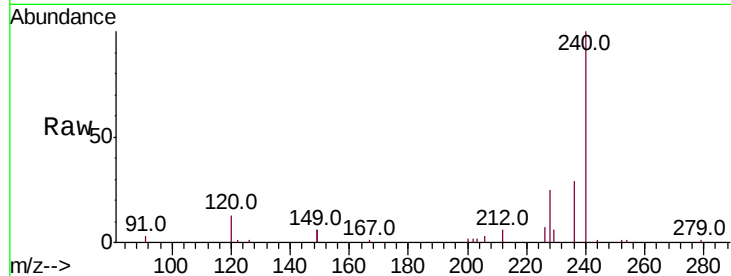




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097644.D
 Acq: 24 Sep 2018 14:30

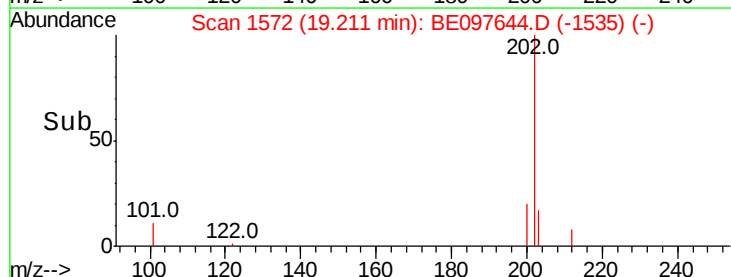
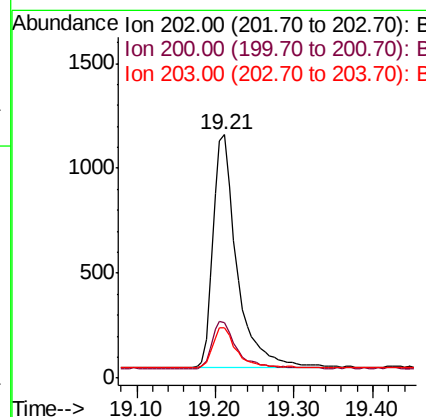
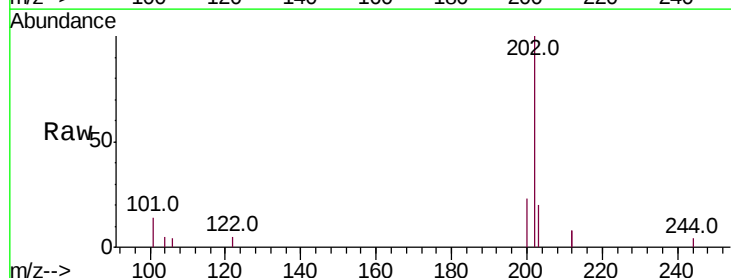
Instrument :
 BNA_E
 ClientSampleID :

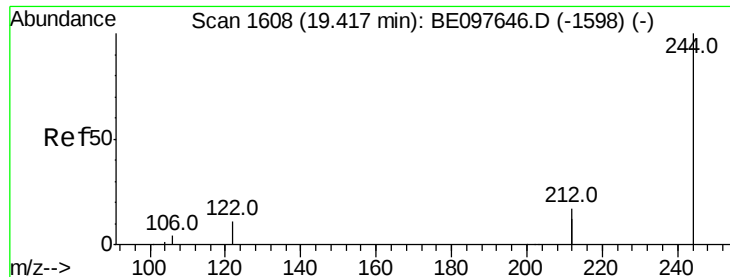
Tot Ion:240 Resp: 8151
 Ion Ratio Lower Upper
 240 100
 120 12.9 5.5 8.3#
 236 28.7 20.7 31.1



#28
 Pyrene
 Concen: 0.126 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BE097644.D
 Acq: 24 Sep 2018 14:30

Tgt Ion:202 Resp: 2334
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 17.0 13.8 20.8

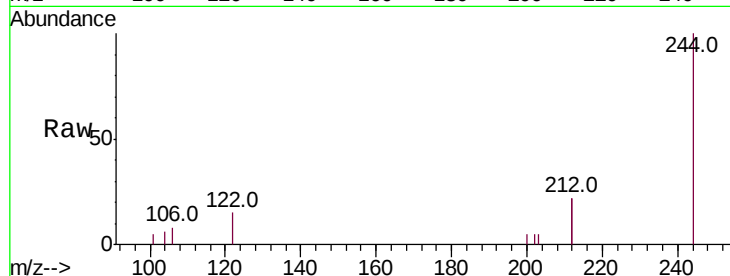




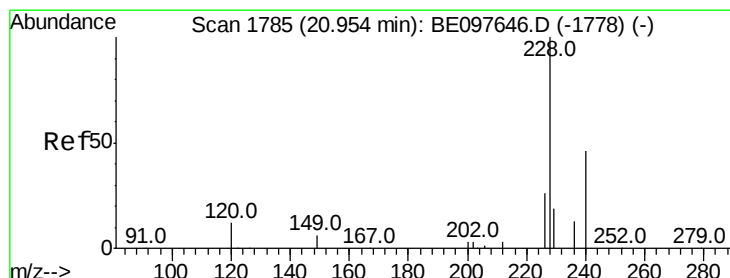
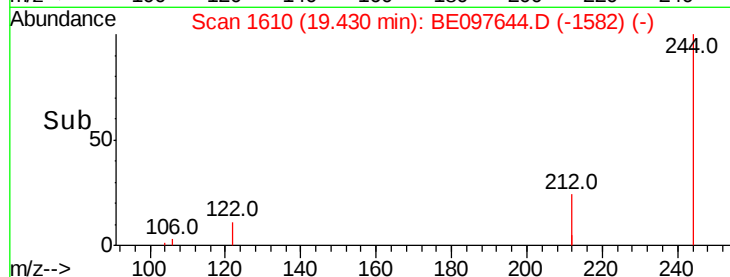
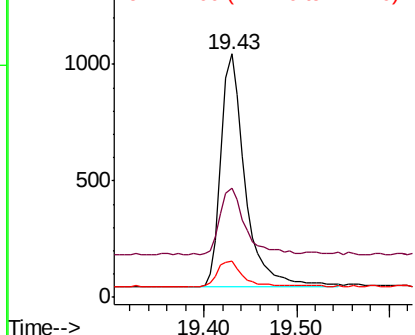
#29
 Terphenyl-d14
 Concen: 0.122 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BE097644.D
 Acq: 24 Sep 2018 14:30

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:244 Resp: 1825
 Ion Ratio Lower Upper
 244 100
 212 44.9 25.4 38.0#
 122 14.7 8.1 12.1#

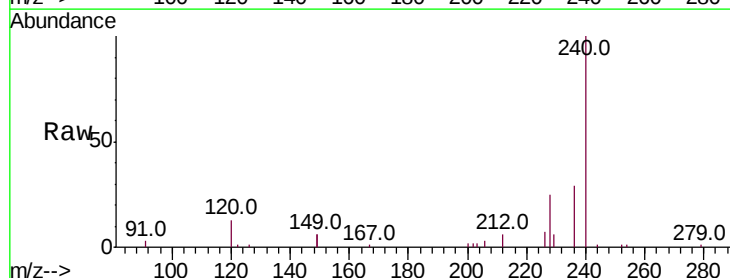


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

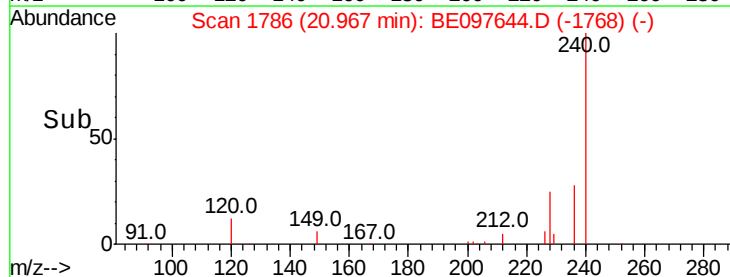
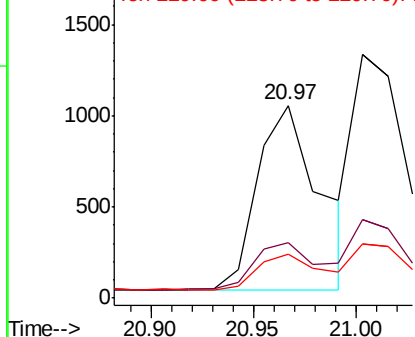


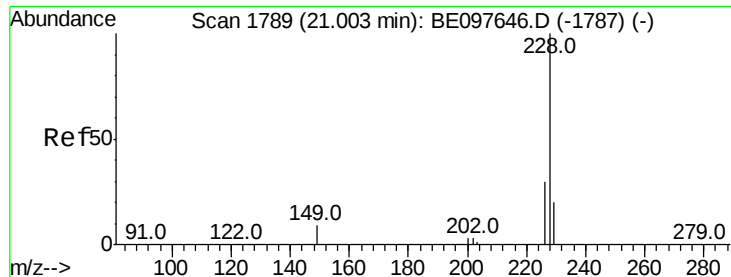
#30
 Benzo(a)anthracene
 Concen: 0.104 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BE097644.D
 Acq: 24 Sep 2018 14:30

Tgt Ion:228 Resp: 2139
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.0 36.0
 229 22.8 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: 0.111 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampled :

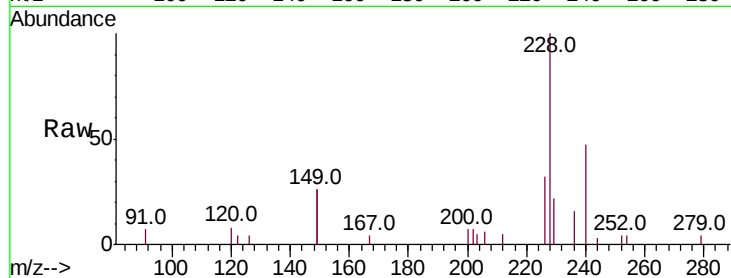
Tot Ion:228 Resp: 2444

Ion Ratio Lower Upper

228 100

226 32.1 24.0 36.0

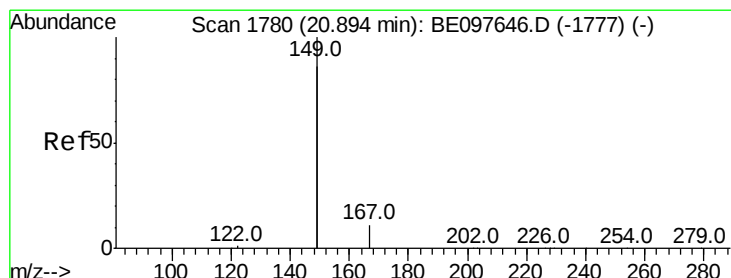
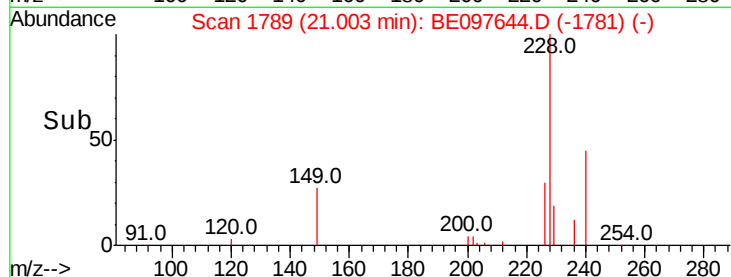
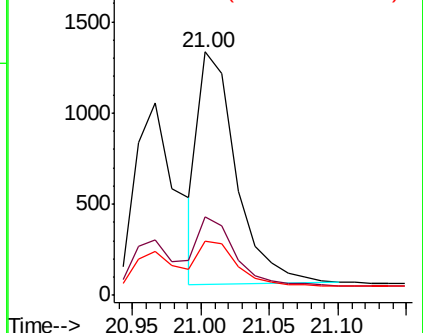
229 22.1 16.0 24.0



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: 0.062 ng

RT: 20.89 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

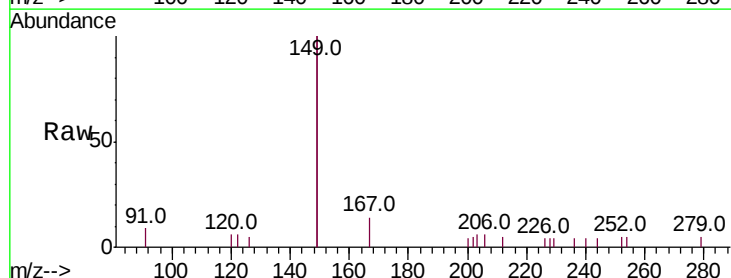
Tgt Ion:149 Resp: 2523

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

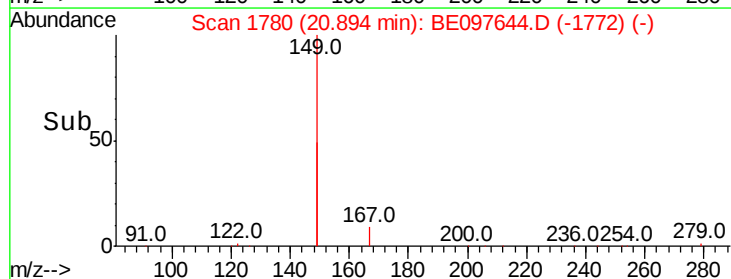
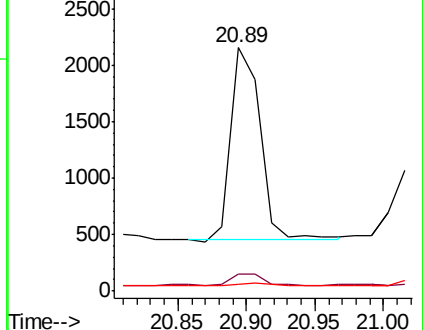
279 1.7 0.7 1.1#

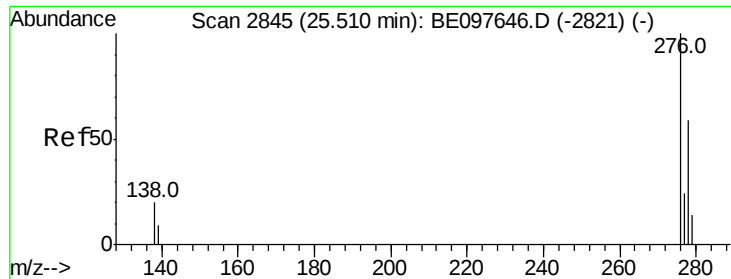


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

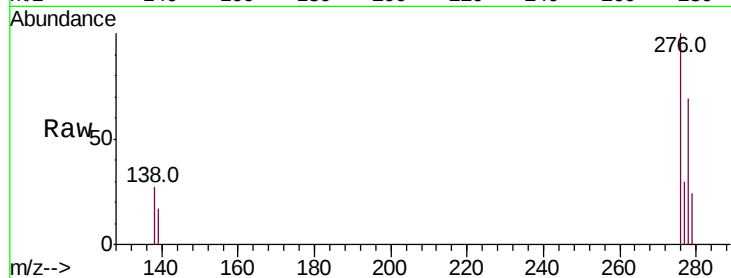




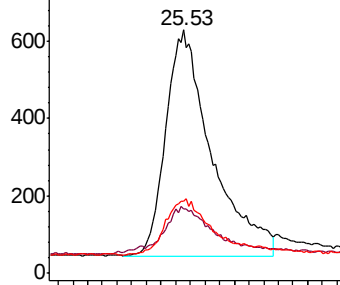
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.096 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.02 min
Lab File: BE097644.D
Acq: 24 Sep 2018 14:30

Instrument :
BNA_E
ClientSampleId :

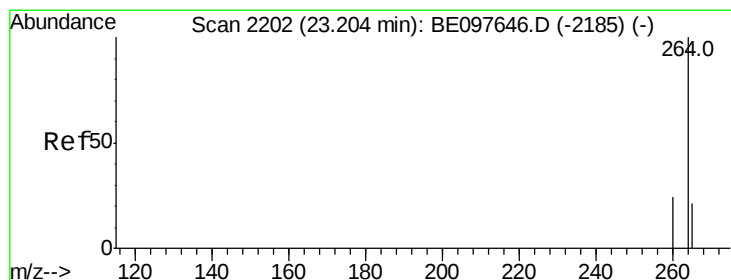
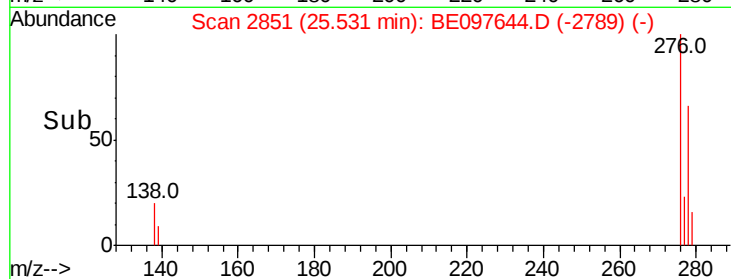
Tot Ion:276 Resp: 2534
Ion Ratio Lower Upper
276 100
138 23.4 22.5 33.7
277 24.2 19.9 29.9



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

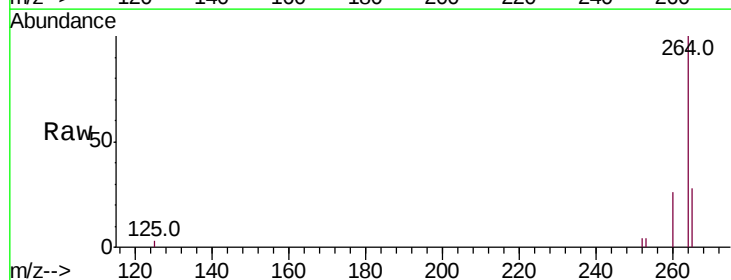


Time-->

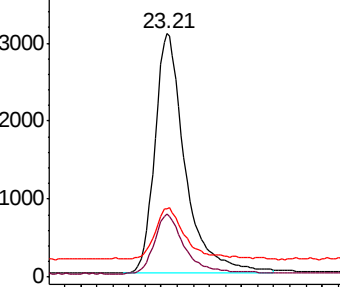


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BE097644.D
Acq: 24 Sep 2018 14:30

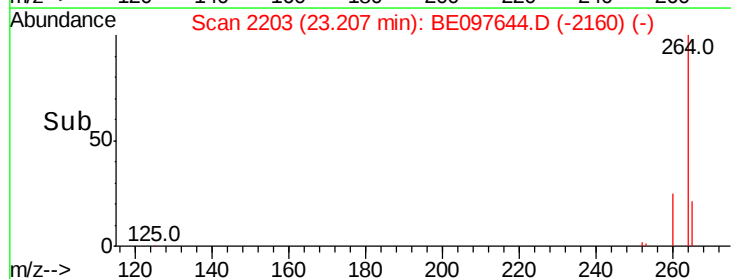
Tgt Ion:264 Resp: 8015
Ion Ratio Lower Upper
264 100
260 26.1 20.5 30.7
265 28.0 22.8 34.2

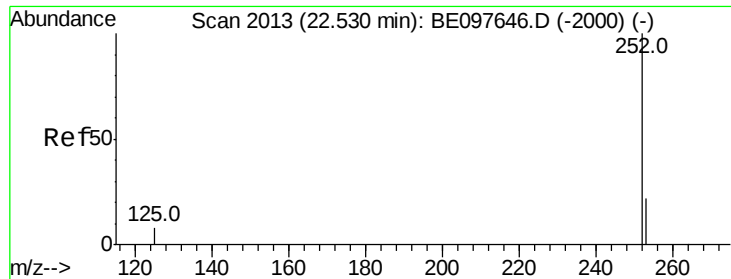


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#35

Benzo(b)fluoranthene

Concen: 0.101 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

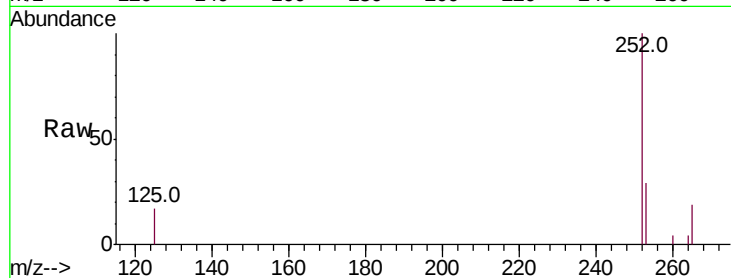
Tot Ion:252 Resp: 2074

Ion Ratio Lower Upper

252 100

253 28.9 20.0 30.0

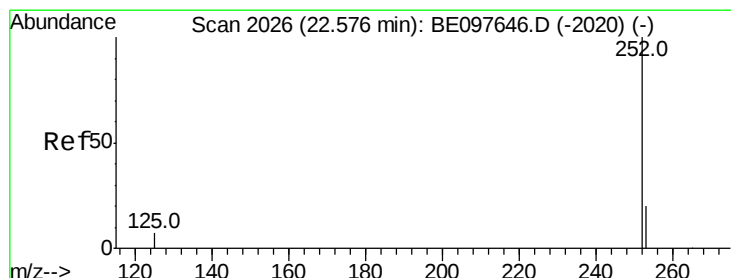
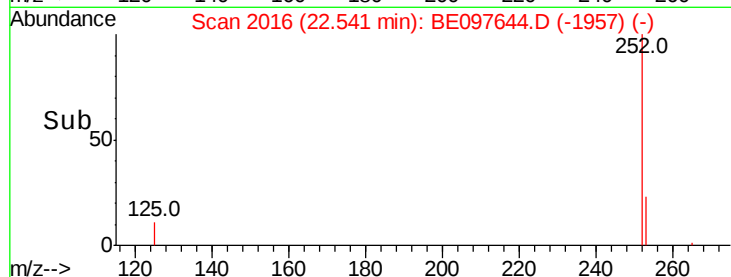
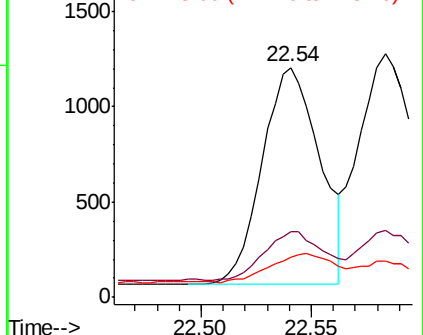
125 17.5 16.0 24.0



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: 0.108 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

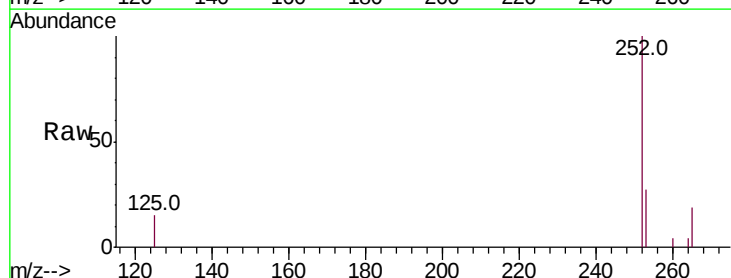
Tgt Ion:252 Resp: 2525

Ion Ratio Lower Upper

252 100

253 27.4 16.0 24.0#

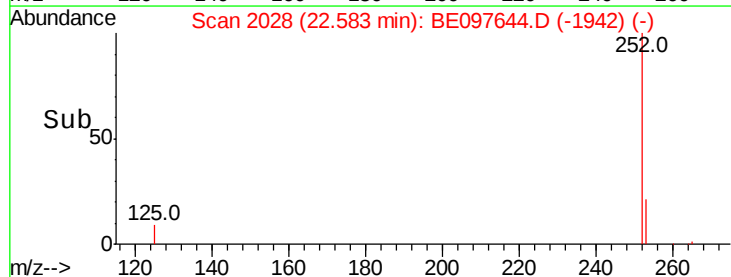
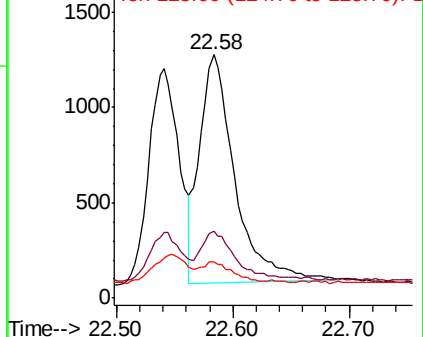
125 14.7 8.0 12.0#

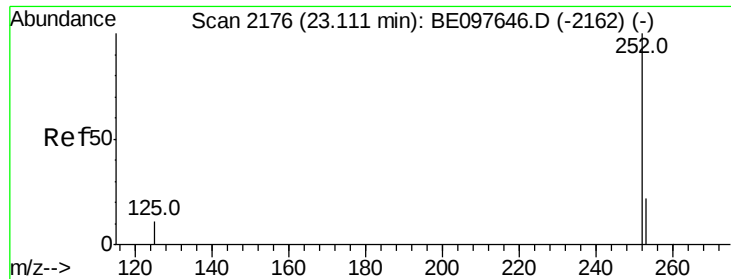


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.104 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

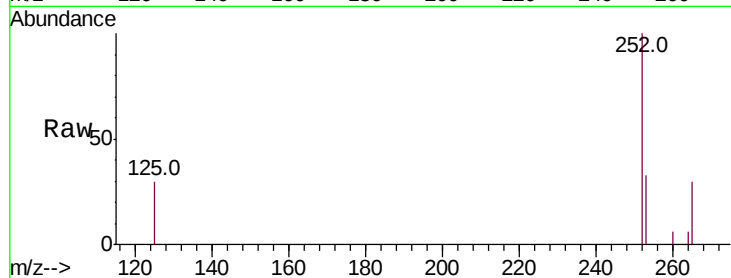
Tot Ion:252 Resp: 2203

Ion Ratio Lower Upper

252 100

253 33.5 16.0 24.0#

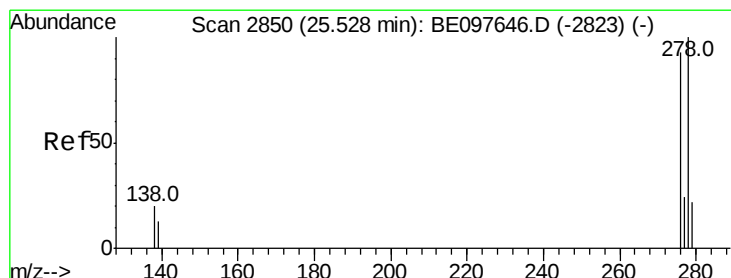
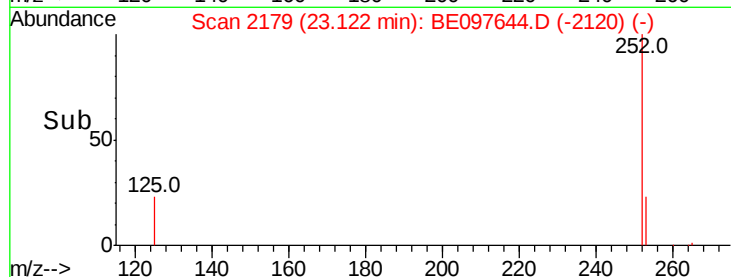
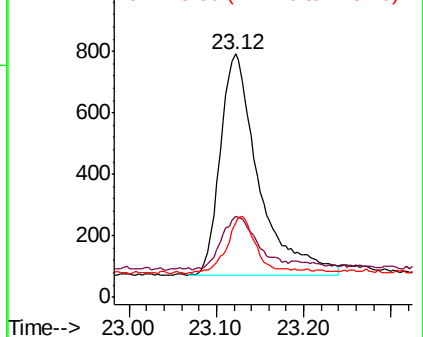
125 30.4 12.0 18.0#



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: 0.099 ng

RT: 25.55 min Scan# 2856

Delta R.T. 0.02 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

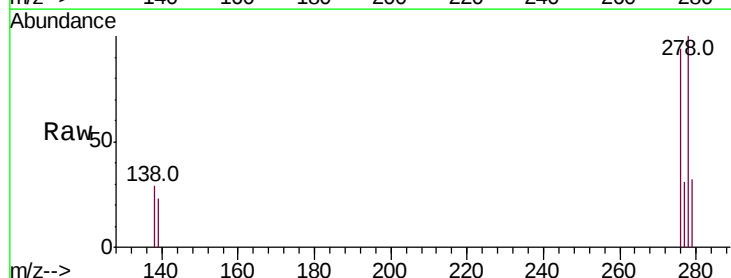
Tgt Ion:278 Resp: 2137

Ion Ratio Lower Upper

278 100

139 23.3 16.0 24.0

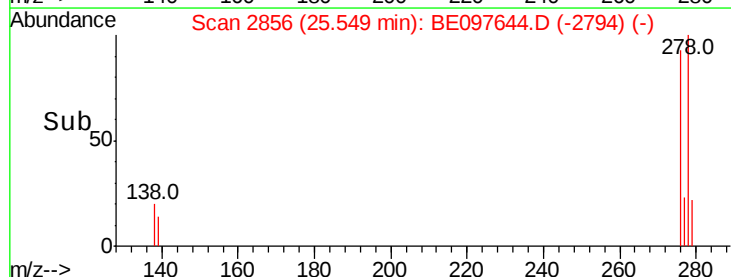
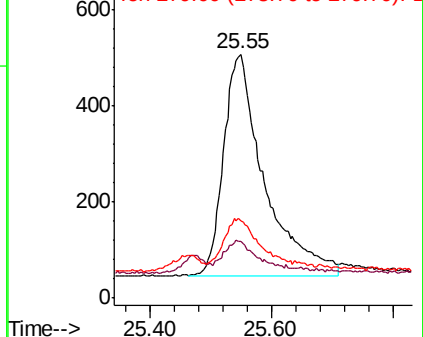
279 31.8 20.0 30.0#

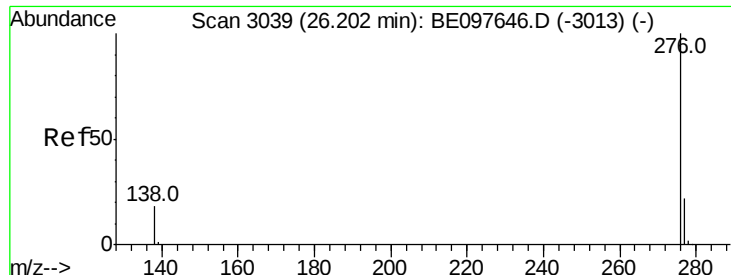


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.103 ng

RT: 26.23 min Scan# 3047

Delta R.T. 0.03 min

Lab File: BE097644.D

Acq: 24 Sep 2018 14:30

Instrument :

BNA_E

ClientSampleId :

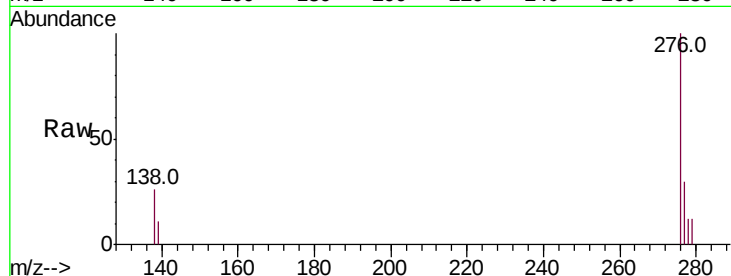
Tot Ion:276 Resp: 2150

Ion Ratio Lower Upper

276 100

277 30.0 16.0 24.0#

138 25.6 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

26.23

400

200

0

26.10 26.20 26.30 26.40

Time-->

