

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072618\
 Data File : BE097109.D
 Acq On : 26 Jul 2018 19:06
 Operator : SJ/JU
 Sample : J3762-08
 Misc : LOO 0.2PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 27 03:30:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1070	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5357	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3216	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	8740	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6582	0.40	ng	0.00
34) Perylene-d12	23.22	264	4763	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	921	0.31	ng	0.00
5) Phenol-d6	6.60	99	1274	0.29	ng	0.00
8) Nitrobenzene-d5	8.53	82	1627	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	2861	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	241	0.23	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	4235	0.38	ng	0.00
25) Fluoranthene-d10	18.81	212	29759	0.34	ng	0.00
29) Terphenyl-d14	19.43	244	4845	0.38	ng	0.00

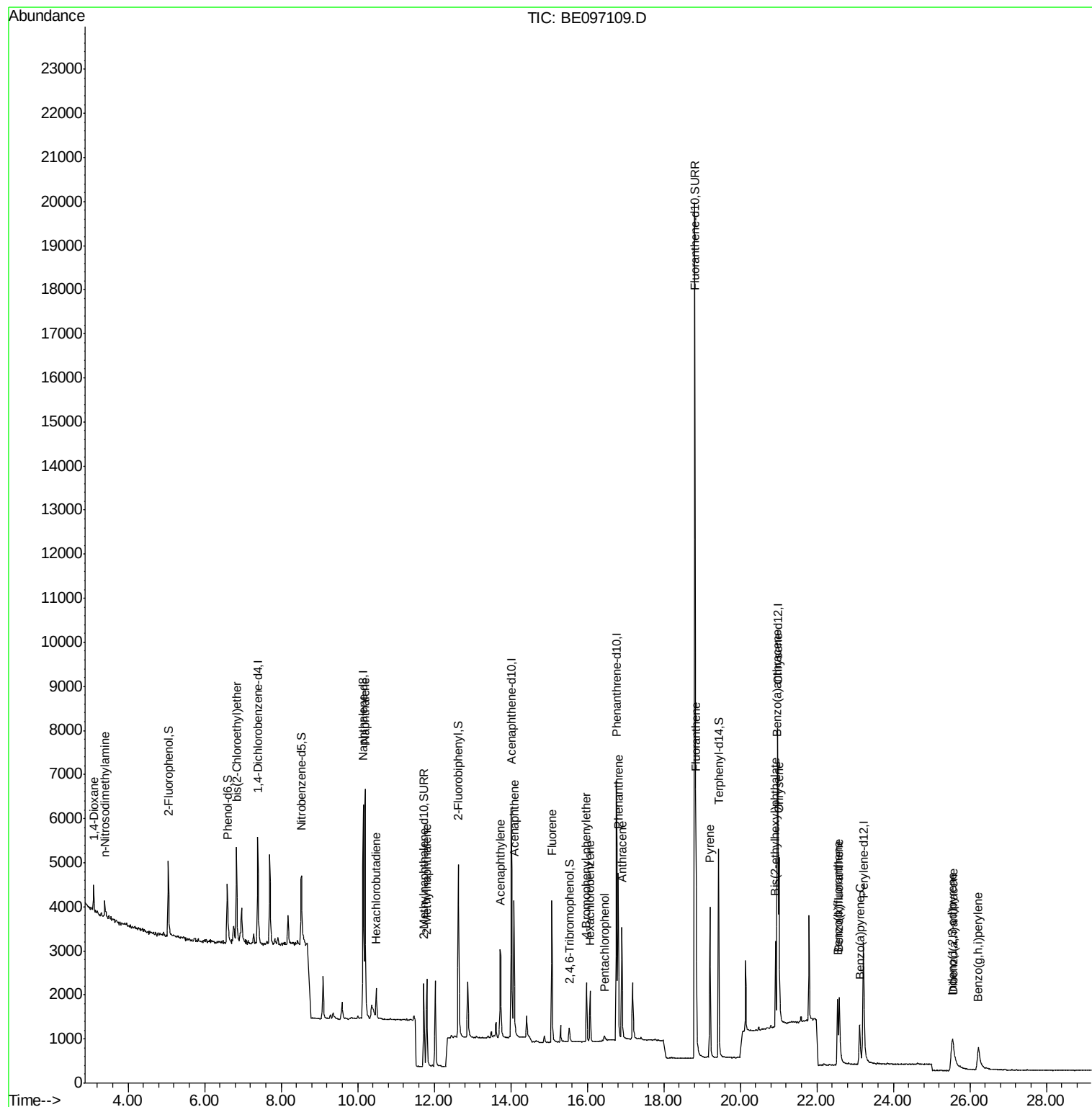
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	346	0.203	ng	93
3) n-Nitrosodimethylamine	3.38	42	338	0.178	ng	# 84
6) bis(2-Chloroethyl)ether	6.84	93	837	0.208	ng	76
9) Naphthalene	10.20	128	9272	0.193	ng	99
10) Hexachlorobutadiene	10.48	225	429	0.199	ng	98
12) 2-Methylnaphthalene	11.81	142	1492	0.181	ng	98
16) Acenaphthylene	13.73	152	2756	0.191	ng	99
17) Acenaphthene	14.08	154	1580	0.188	ng	# 86
18) Fluorene	15.08	166	1992	0.180	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	768	0.181	ng	# 78
21) Hexachlorobenzene	16.08	284	920	0.202	ng	# 84
22) Pentachlorophenol	16.45	266	120	0.144	ng	93
23) Phenanthrene	16.81	178	3937	0.189	ng	97
24) Anthracene	16.91	178	3030	0.163	ng	# 96
26) Fluoranthene	18.84	202	3987	0.171	ng	98
28) Pyrene	19.20	202	3605	0.200	ng	99
30) Benzo(a)anthracene	20.97	228	2648	0.162	ng	97
31) Chrysene	21.02	228	3437	0.196	ng	98
32) Bis(2-ethylhexyl)phthalate	20.92	149	2474	0.141	ng	100
33) Indeno(1,2,3-cd)pyrene	25.53	276	1818	0.114	ng	# 62
35) Benzo(b)fluoranthene	22.54	252	2194	0.182	ng	# 93
36) Benzo(k)fluoranthene	22.59	252	2673	0.189	ng	# 86
37) Benzo(a)pyrene	23.12	252	1776	0.156	ng	# 88
38) Dibenzo(a,h)anthracene	25.56	278	1320	0.116	ng	# 71
39) Benzo(g,h,i)perylene	26.22	276	1859	0.154	ng	# 84

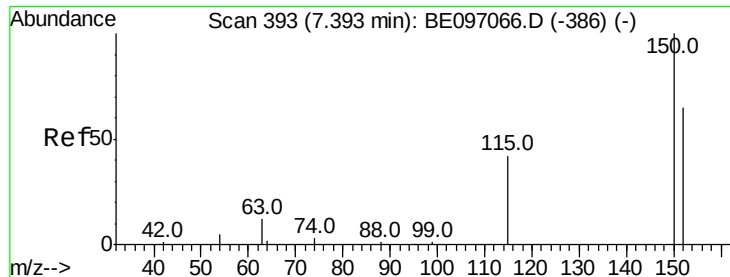
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampled :

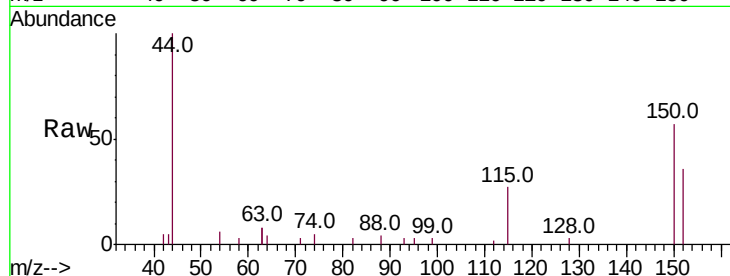
Tot Ion:152 Resp: 1070

Ion Ratio Lower Upper

152 100

150 160.6 117.2 175.8

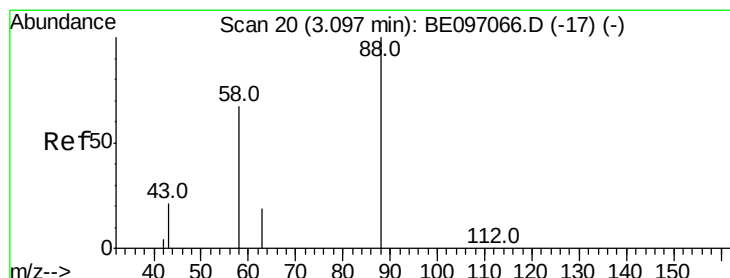
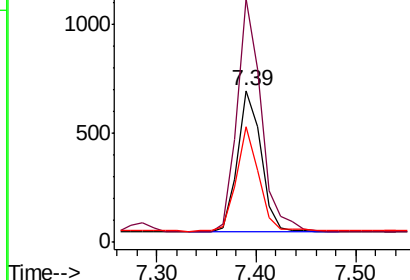
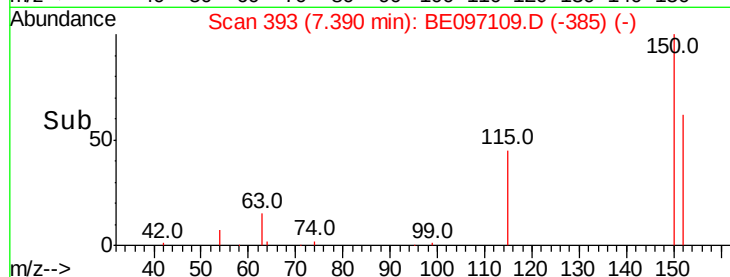
115 76.4 57.0 85.6



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: 0.203 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

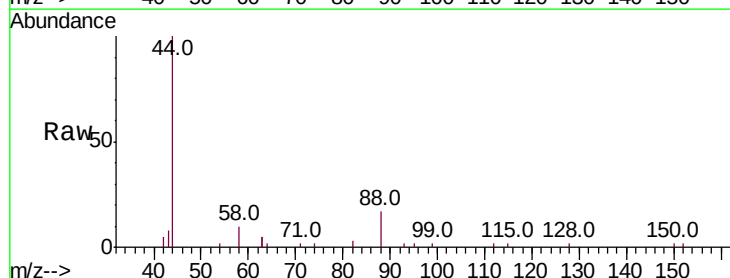
Tgt Ion: 88 Resp: 346

Ion Ratio Lower Upper

88 100

58 82.4 63.2 94.8

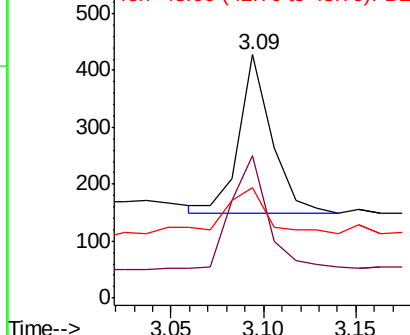
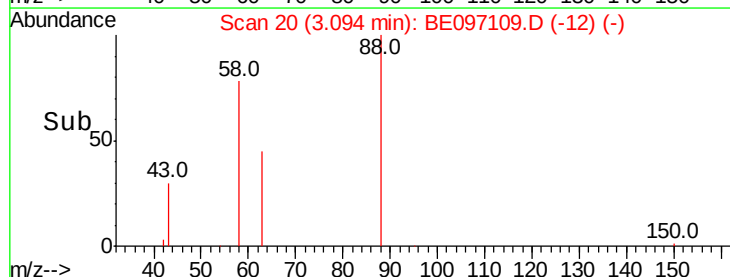
43 43.4 41.2 61.8

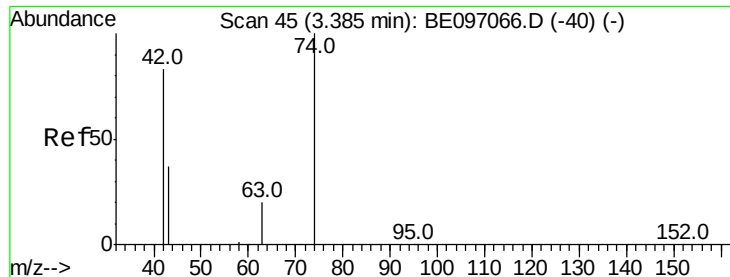


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.178 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

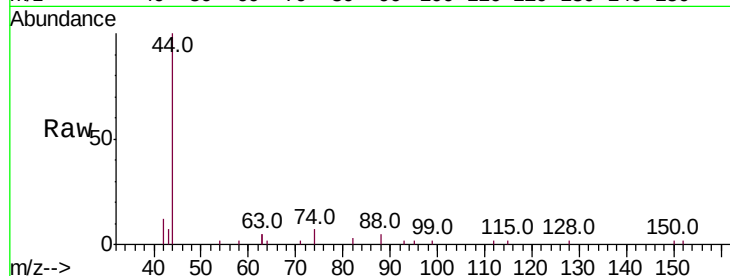
Tot Ion: 42 Resp: 338

Ion Ratio Lower Upper

42 100

74 105.6 96.0 144.0

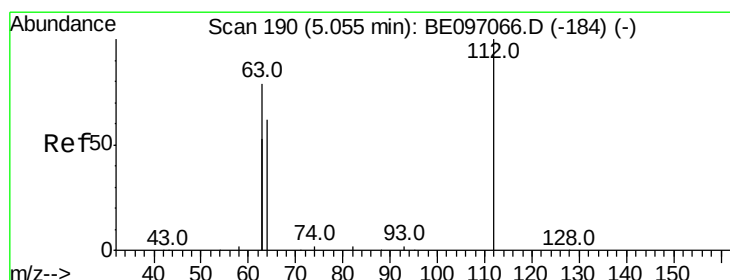
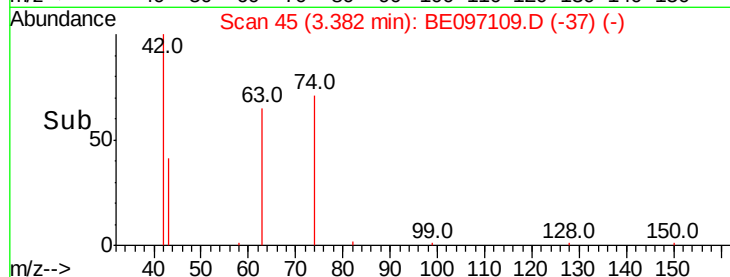
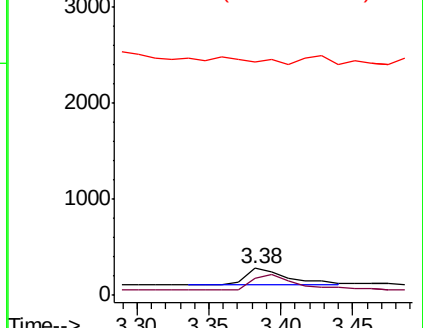
44 0.0 12.0 18.0#



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: 0.306 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

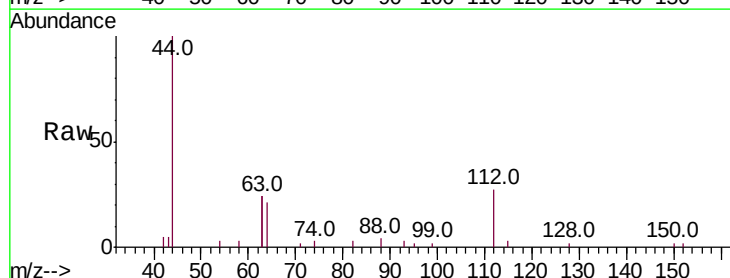
Tgt Ion: 112 Resp: 921

Ion Ratio Lower Upper

112 100

64 71.8 60.1 90.1

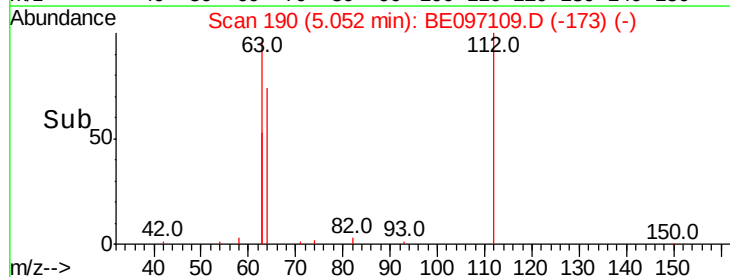
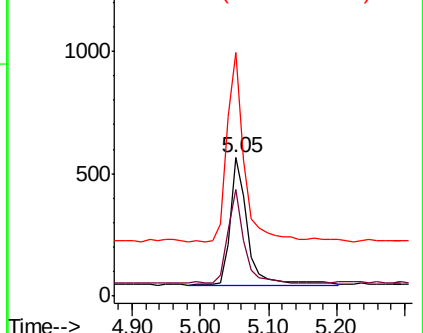
63 147.7 116.8 175.2

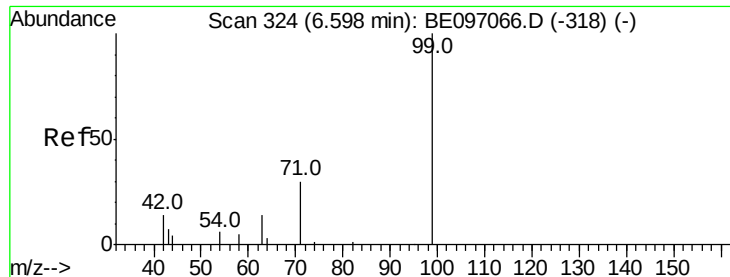


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.289 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

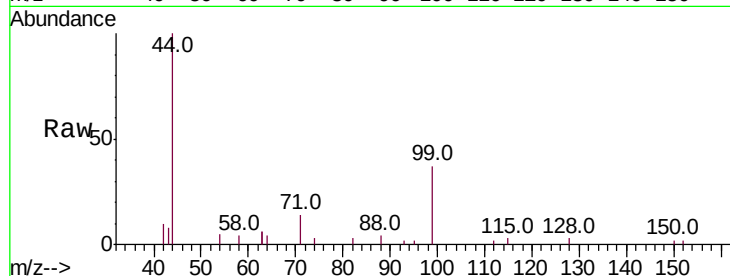
Tot Ion: 99 Resp: 1274

Ion Ratio Lower Upper

99 100

42 26.0 20.2 30.2

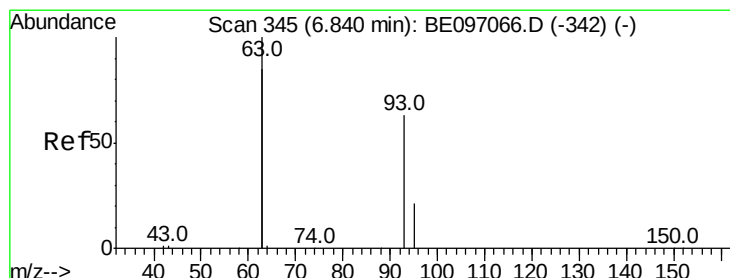
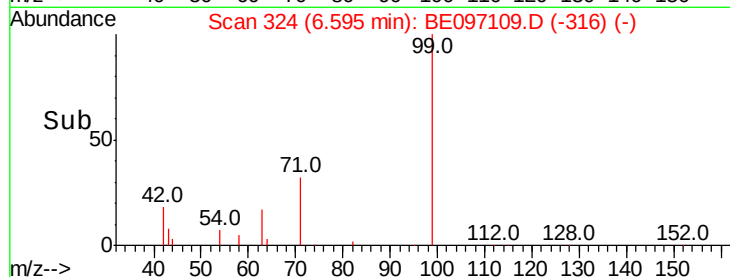
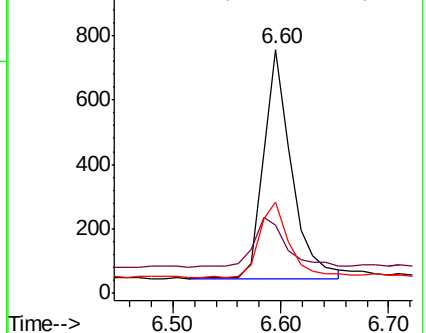
71 35.2 28.4 42.6



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: 0.208 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

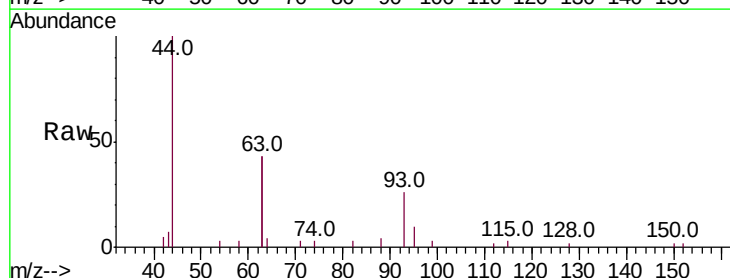
Tgt Ion: 93 Resp: 837

Ion Ratio Lower Upper

93 100

63 289.1 275.3 412.9

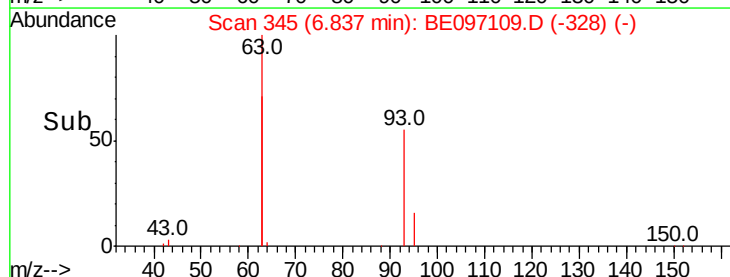
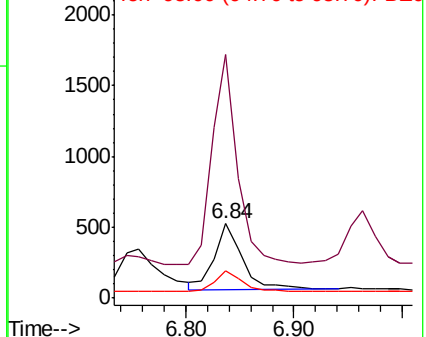
95 29.2 25.2 37.8

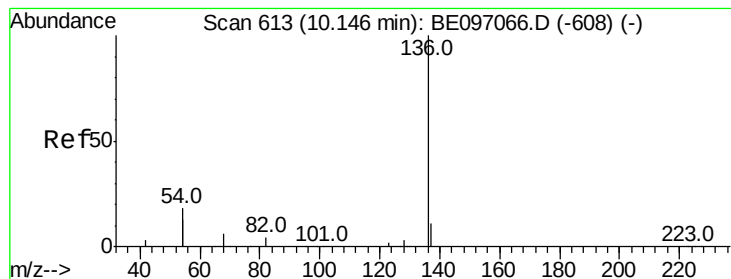


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5357

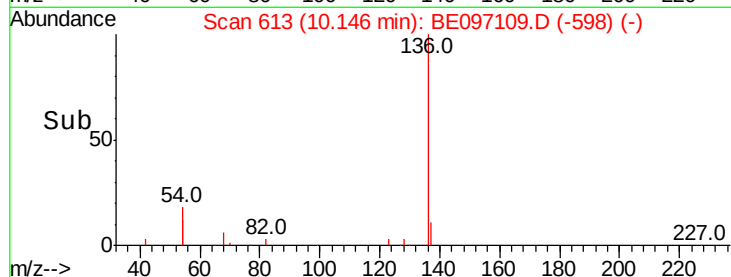
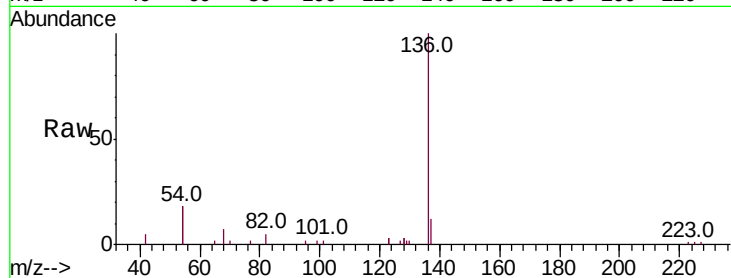
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 36.2 29.1 43.7

68 7.2 6.2 9.2

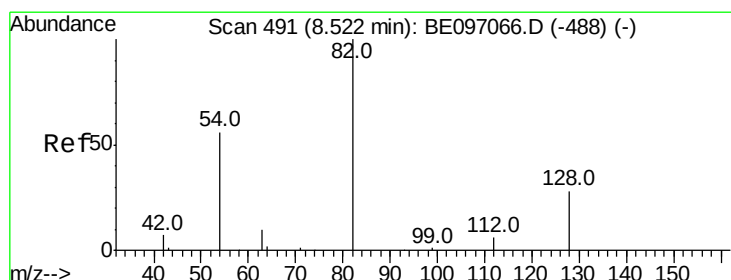
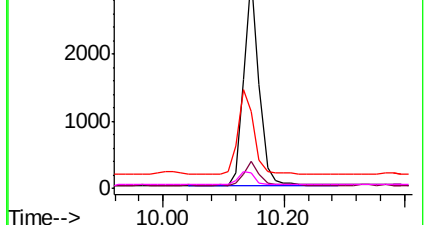


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.350 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

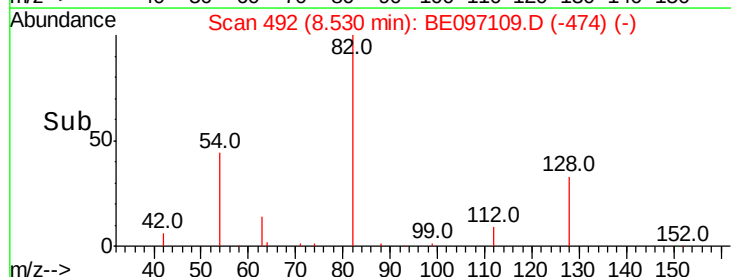
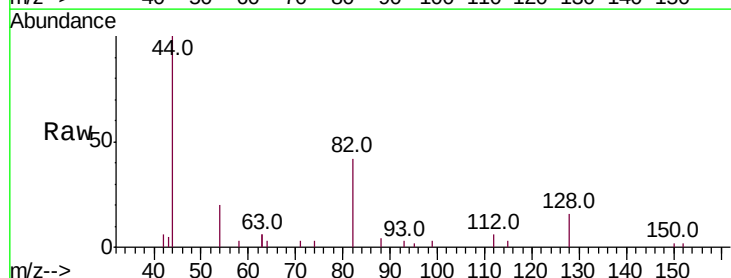
Tgt Ion: 82 Resp: 1627

Ion Ratio Lower Upper

82 100

128 37.0 24.0 36.0#

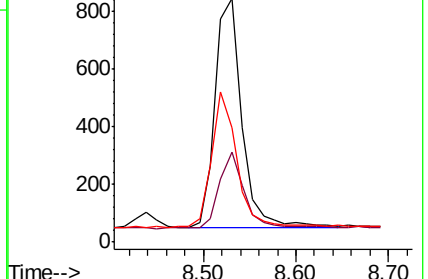
54 47.2 40.0 60.0

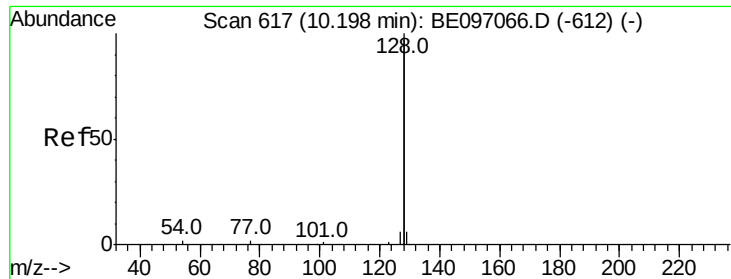


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.193 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

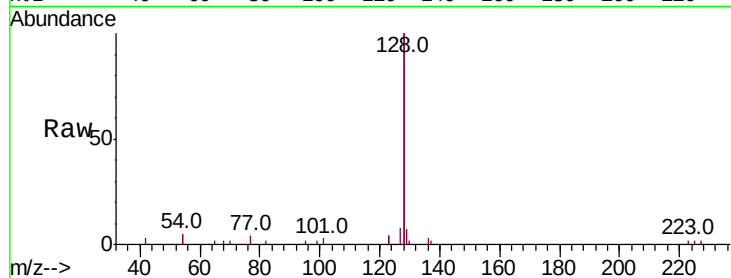
Tot Ion:128 Resp: 9272

Ion Ratio Lower Upper

128 100

129 3.7 2.6 3.8

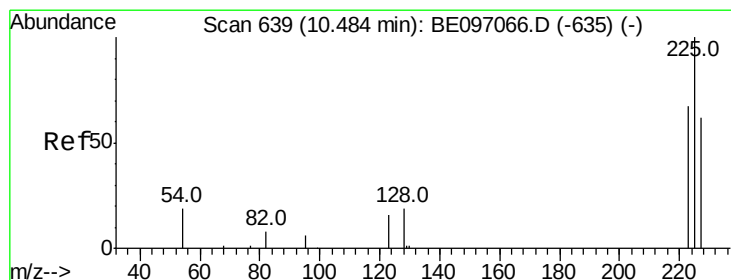
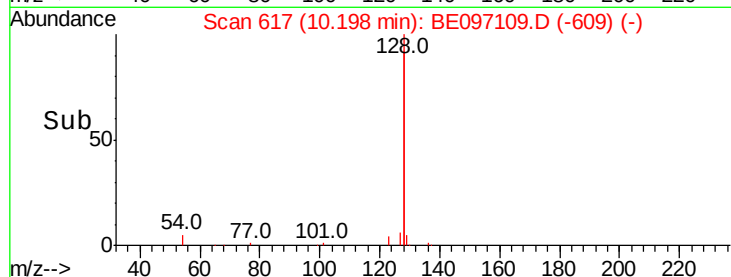
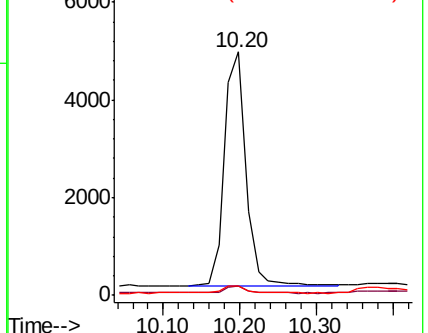
127 3.9 2.8 4.2



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: 0.199 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

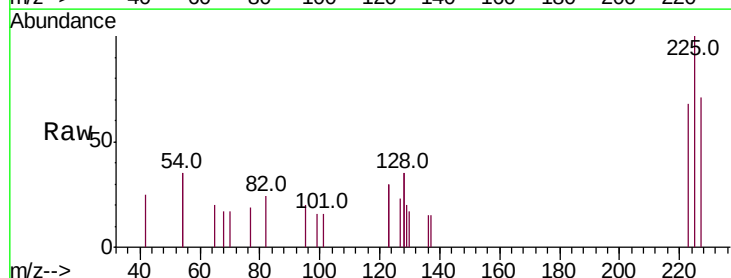
Tgt Ion:225 Resp: 429

Ion Ratio Lower Upper

225 100

223 64.3 53.0 79.6

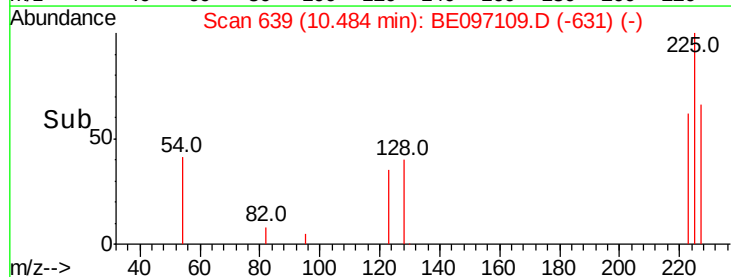
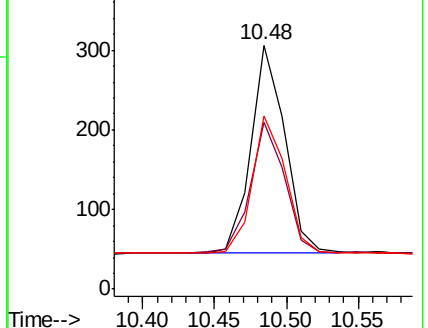
227 65.0 51.4 77.2

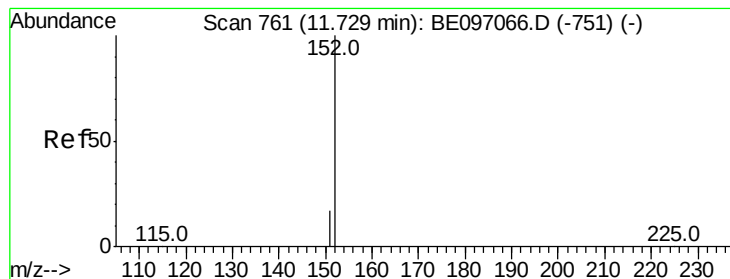


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

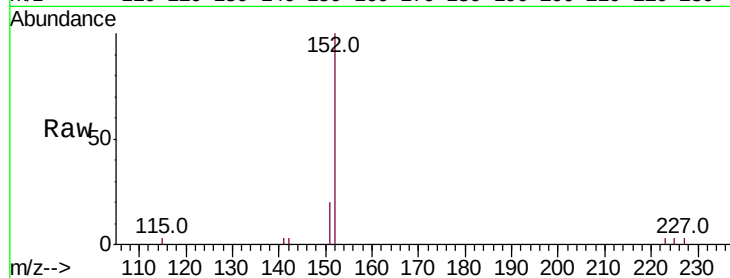
ClientSampleId :

Tot Ion:152 Resp: 2861

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

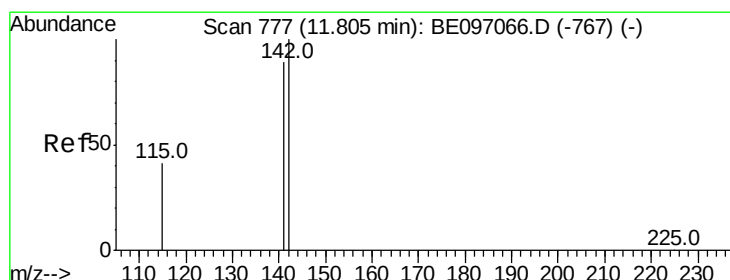
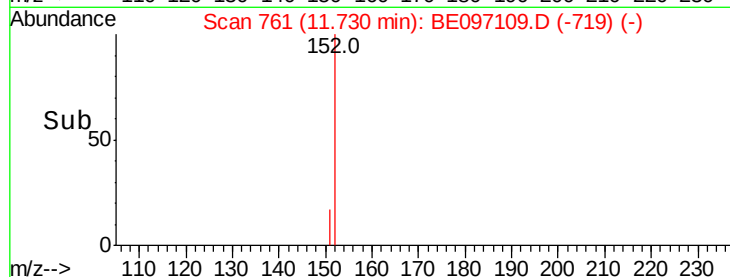
1500

1000

500

0

Time--> 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.181 ng

RT: 11.81 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

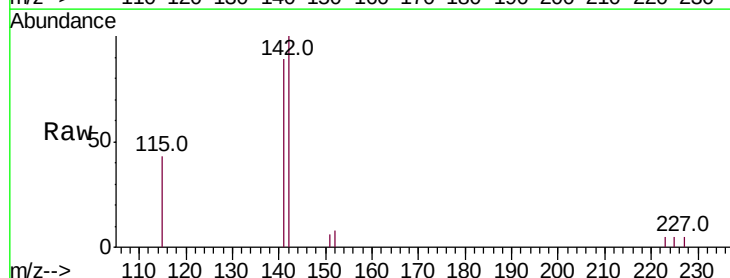
Tgt Ion:142 Resp: 1492

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

115 42.8 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

11.81

1200

1000

800

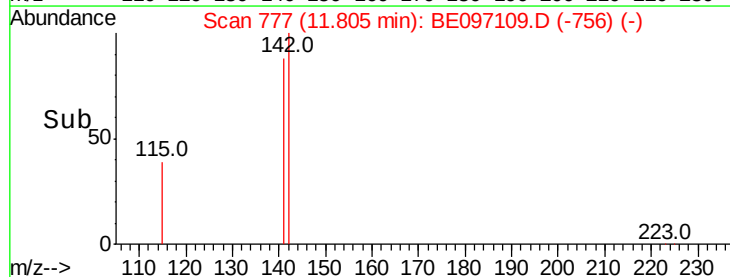
600

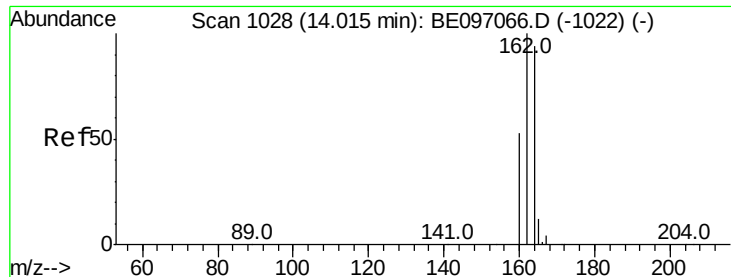
400

200

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

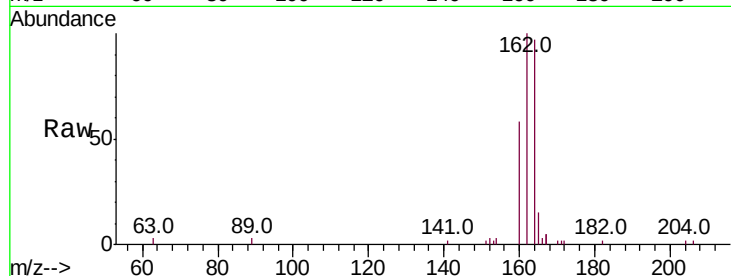
Tot Ion:164 Resp: 3216

Ion Ratio Lower Upper

164 100

162 103.3 83.1 124.7

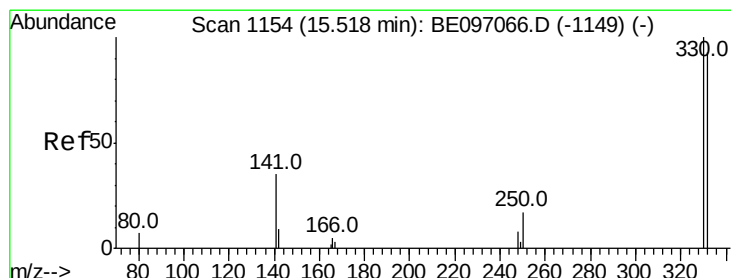
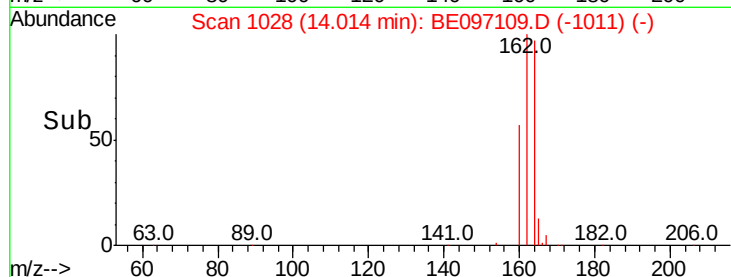
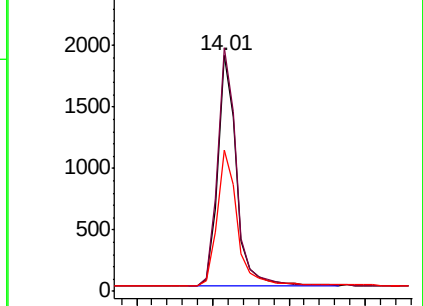
160 59.8 37.1 55.7#



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: 0.228 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

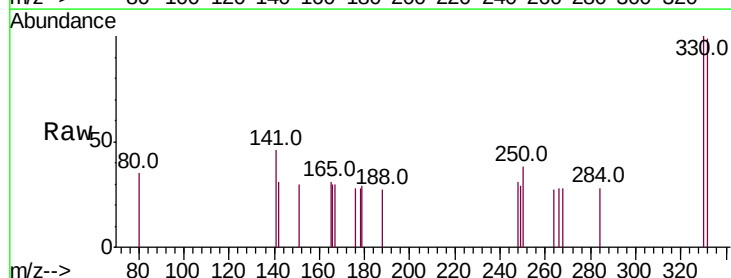
Tgt Ion:330 Resp: 241

Ion Ratio Lower Upper

330 100

332 97.1 152.7 229.1#

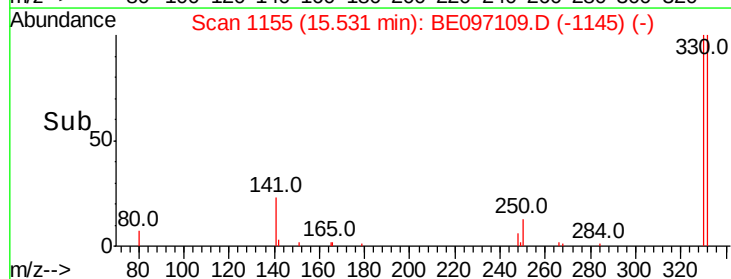
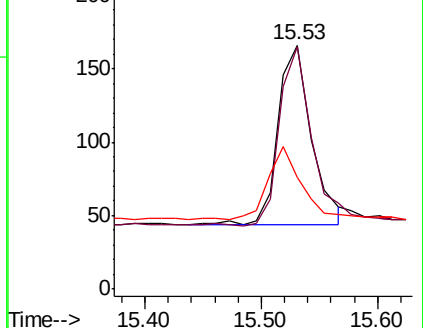
141 41.9 33.7 50.5

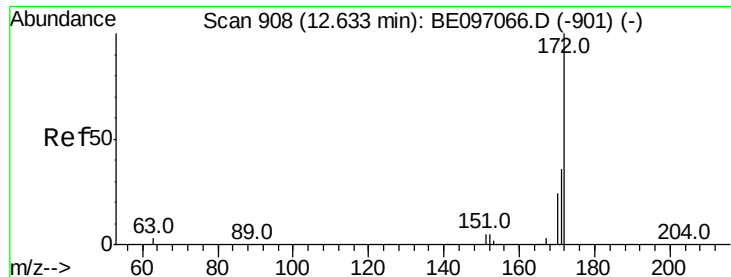


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

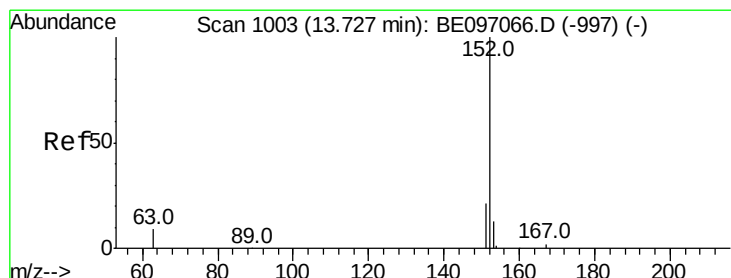
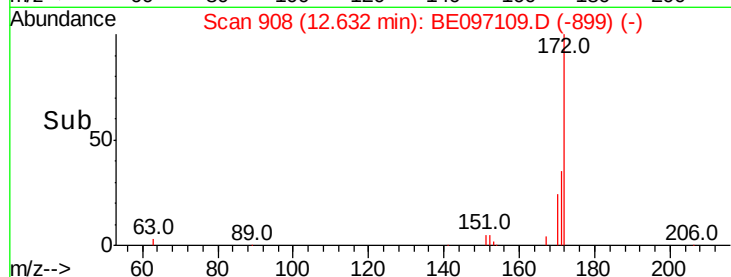
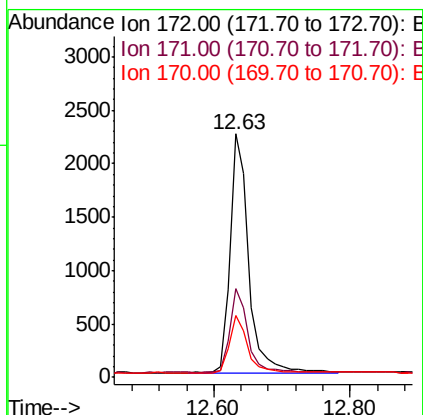
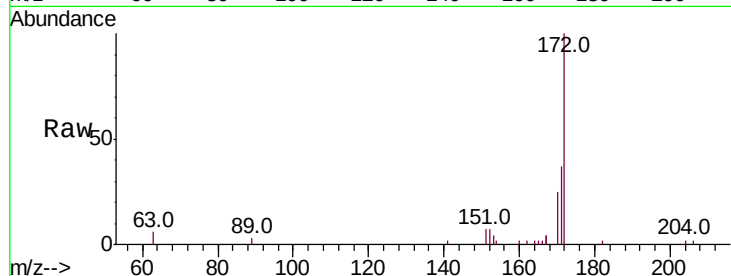




#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

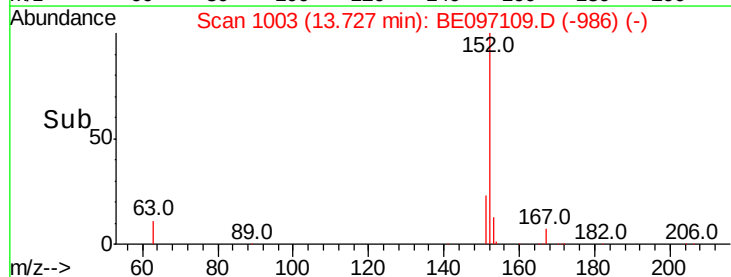
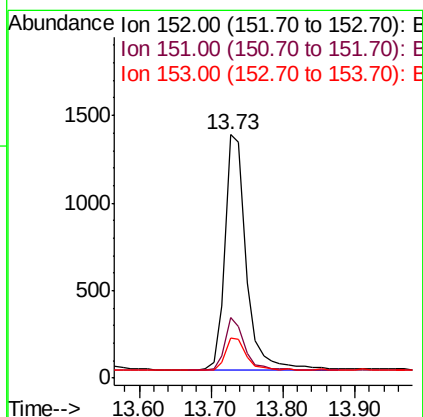
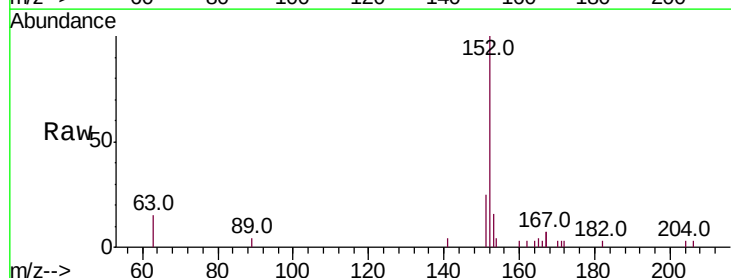
Instrument :
BNA_E
ClientSampleId :

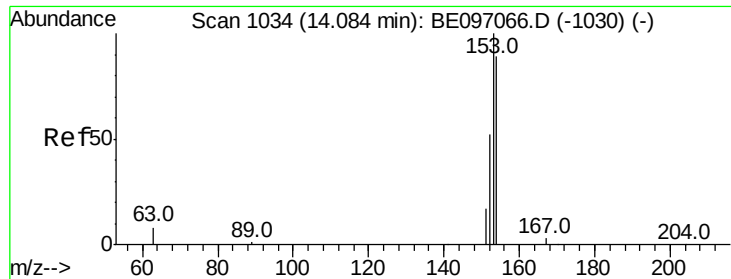
Tot Ion:172 Resp: 4235
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 25.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.191 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Tgt Ion:152 Resp: 2756
Ion Ratio Lower Upper
152 100
151 20.5 15.7 23.5
153 13.4 10.5 15.7

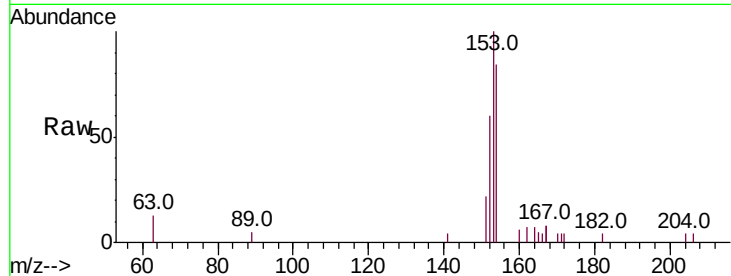




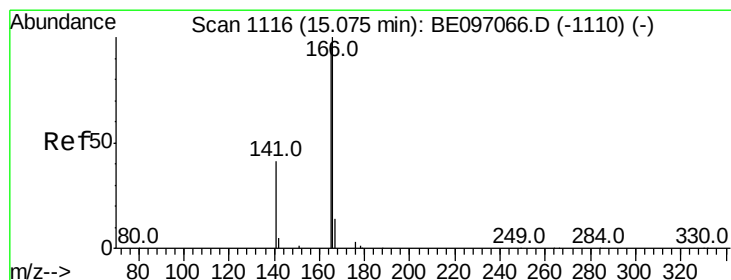
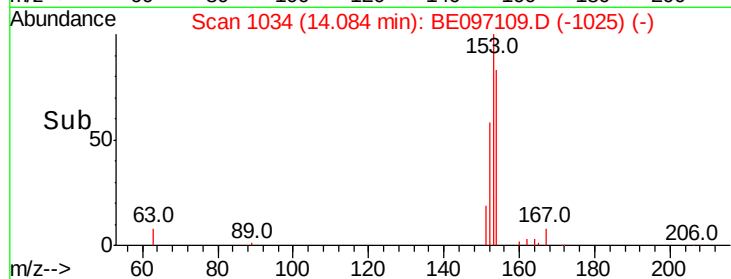
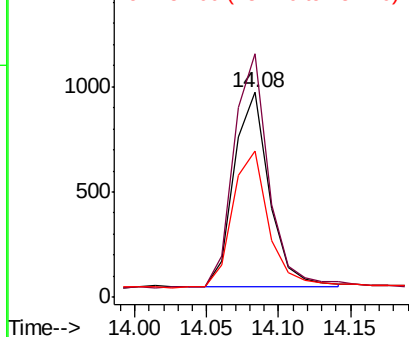
#17
Acenaphthene
Concen: 0.188 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 1580
Ion Ratio Lower Upper
154 100
153 118.9 89.2 133.8
152 72.5 42.0 63.0#

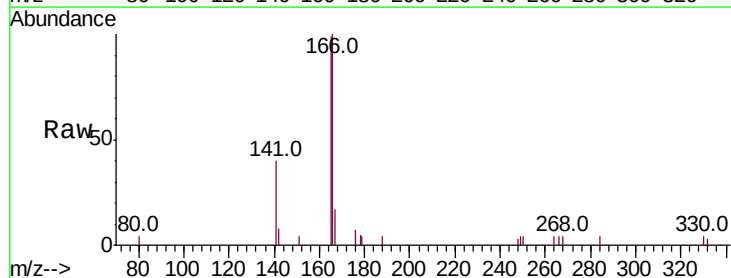


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

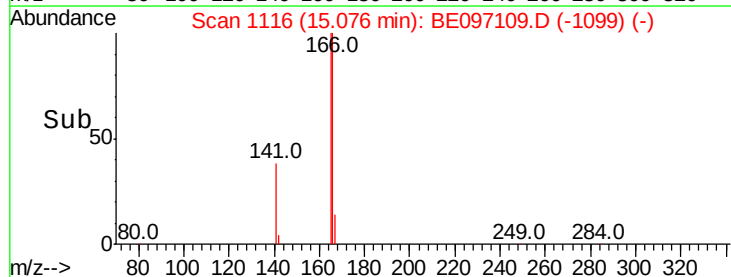
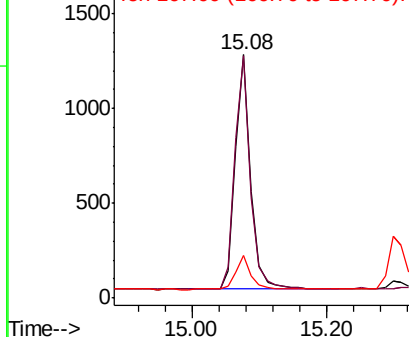


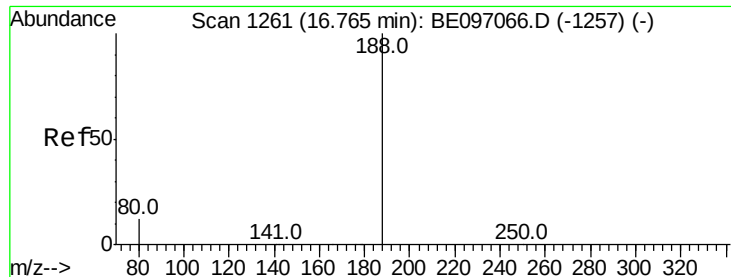
#18
Fluorene
Concen: 0.180 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Tgt Ion:166 Resp: 1992
Ion Ratio Lower Upper
166 100
165 100.7 77.8 116.6
167 14.5 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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

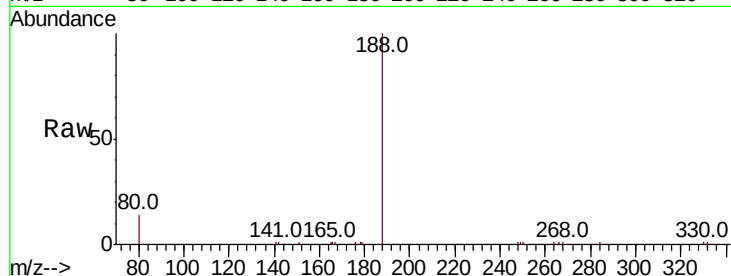
Tot Ion:188 Resp: 8740

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

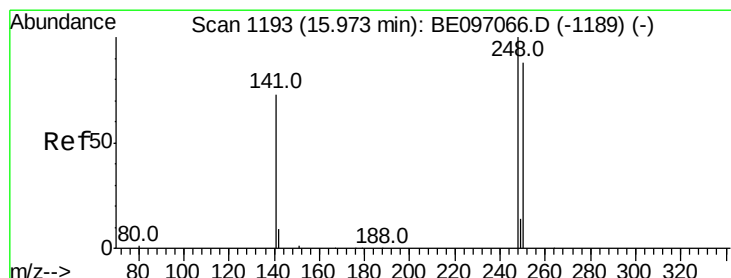
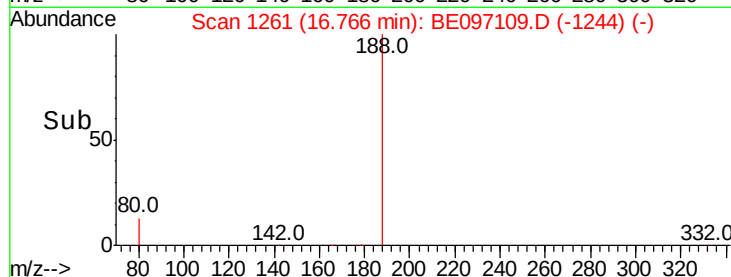
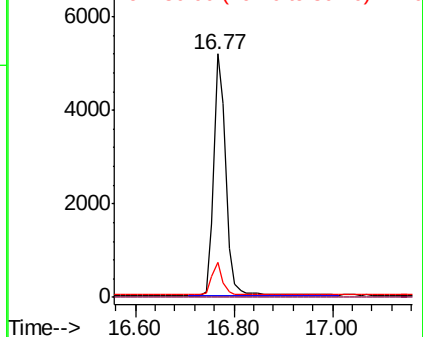
80 14.4 3.6 5.4#



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: 0.181 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

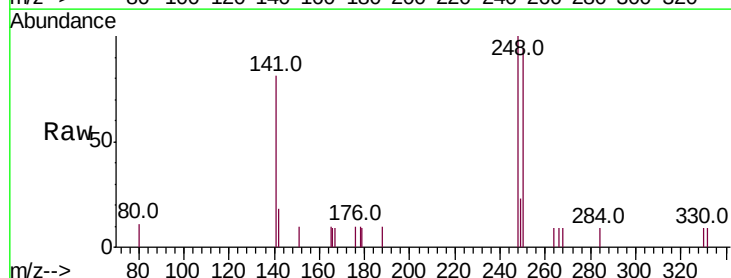
Tgt Ion:248 Resp: 768

Ion Ratio Lower Upper

248 100

250 94.0 62.7 94.1

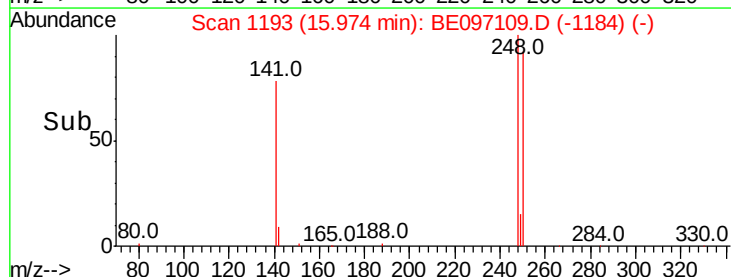
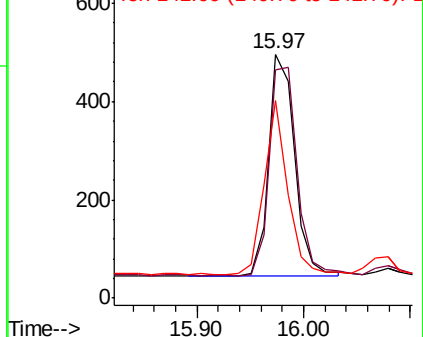
141 81.0 48.2 72.2#

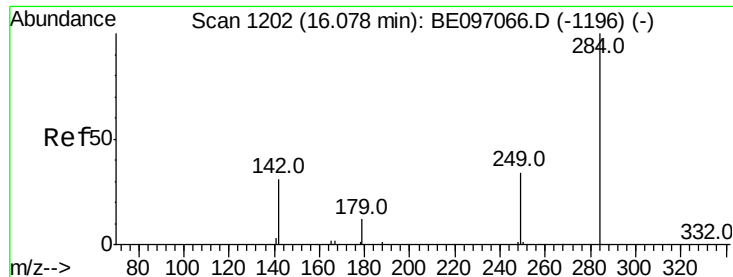


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

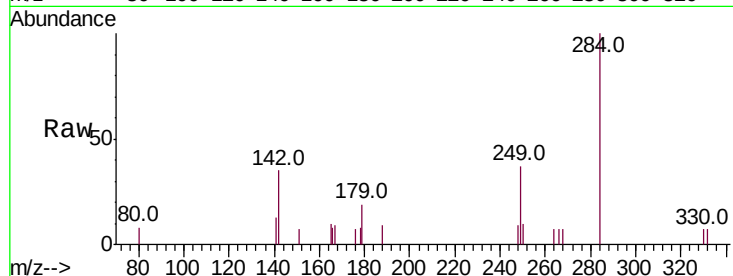




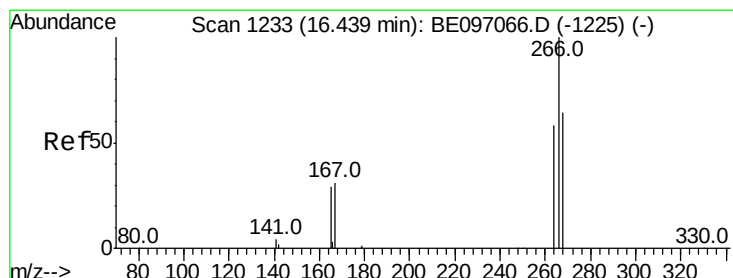
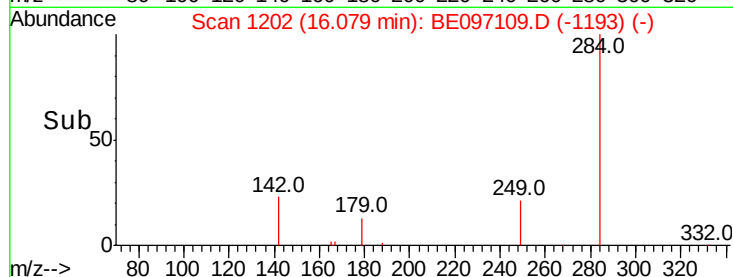
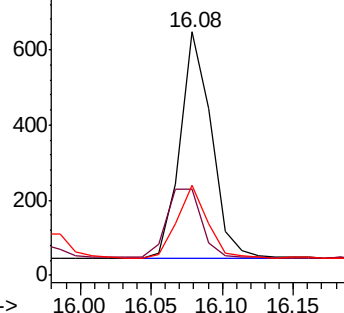
#21
Hexachlorobenzene
Concen: 0.202 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 920
Ion Ratio Lower Upper
284 100
142 34.3 22.1 33.1#
249 31.5 34.8 52.2#

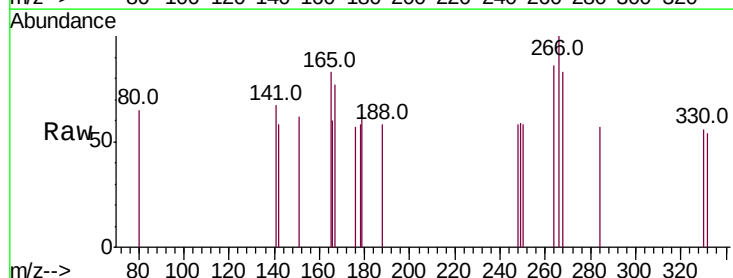


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

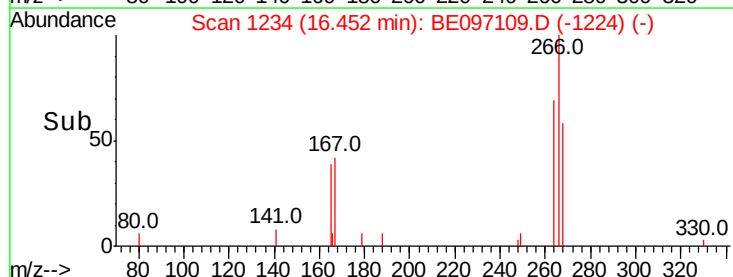
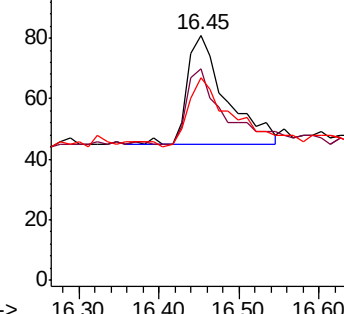


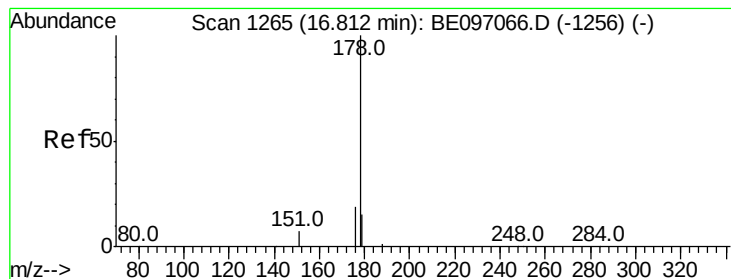
#22
Pentachlorophenol
Concen: 0.144 ng
RT: 16.45 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Tgt Ion:266 Resp: 120
Ion Ratio Lower Upper
266 100
264 86.4 72.5 108.7
268 82.7 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: 0.189 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

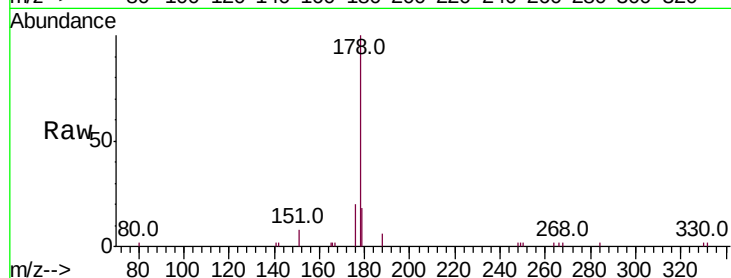
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 3937

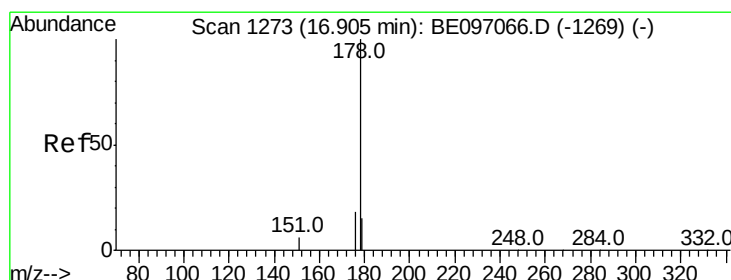
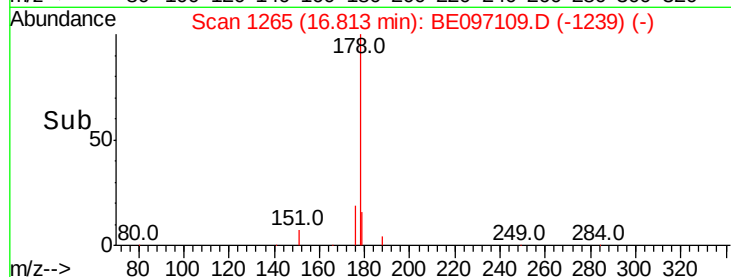
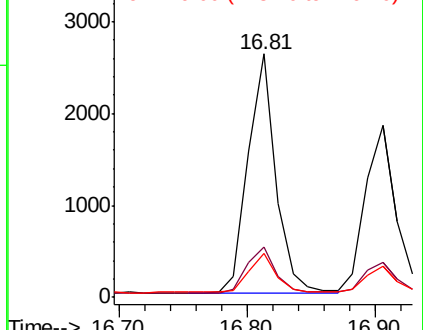
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	16.0	11.8	17.6



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: 0.163 ng

RT: 16.91 min Scan# 1273

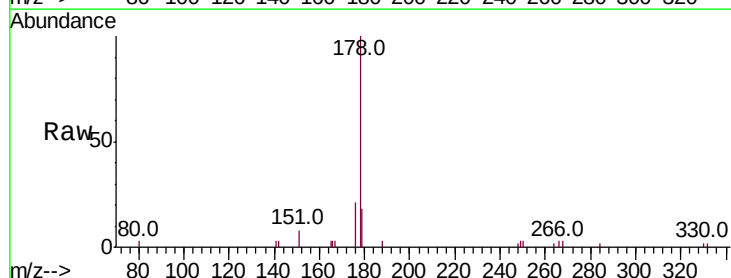
Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Tgt Ion:178 Resp: 3030

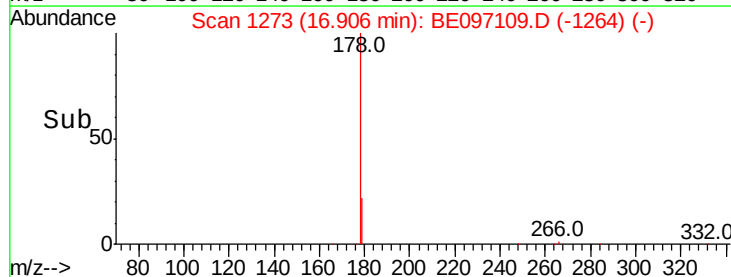
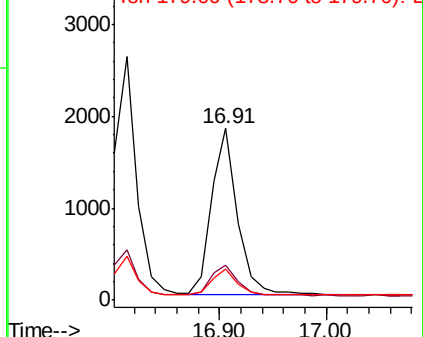
Ion	Ratio	Lower	Upper
178	100		
176	19.2	12.8	19.2#
179	15.8	13.0	19.6

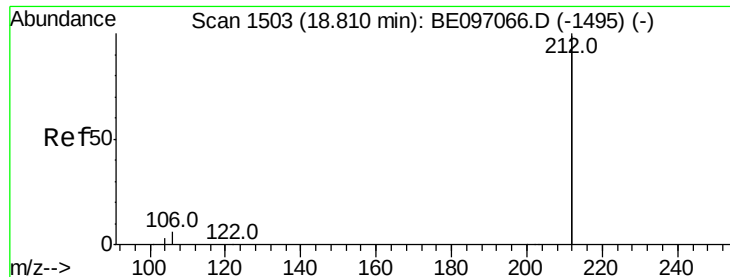


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

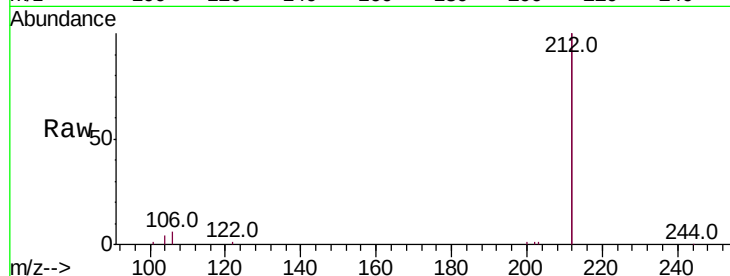
Tot Ion:212 Resp: 29759

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

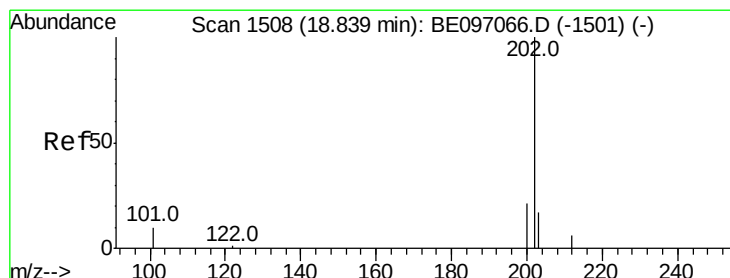
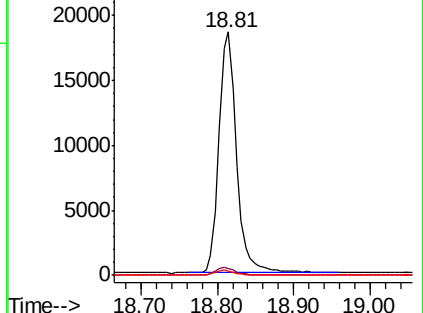
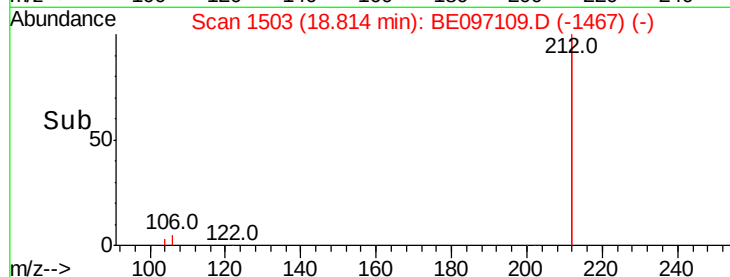
104 1.9 1.6 2.4



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: 0.171 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

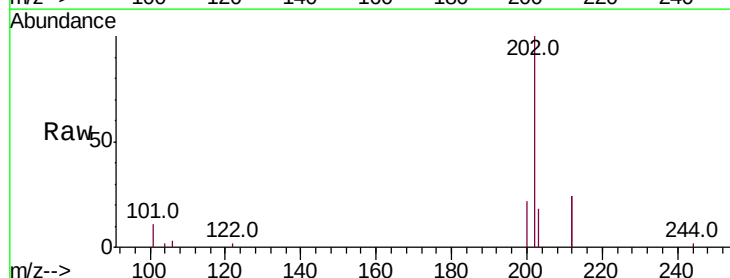
Tgt Ion:202 Resp: 3987

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

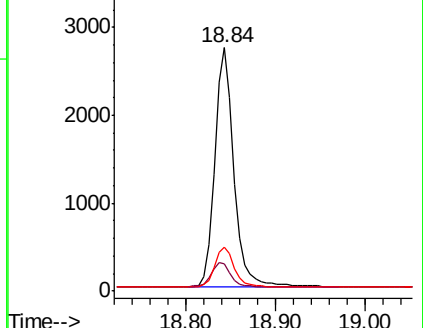
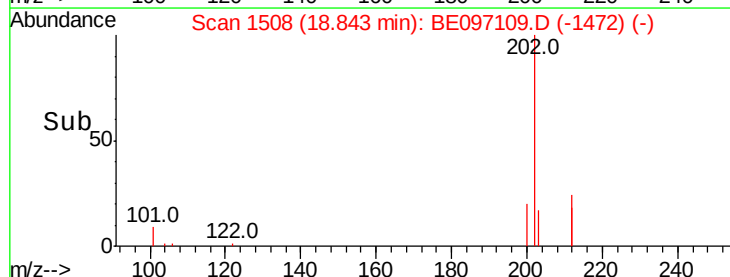
203 17.0 13.7 20.5

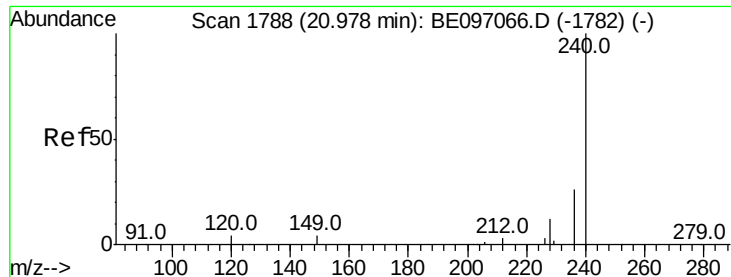


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

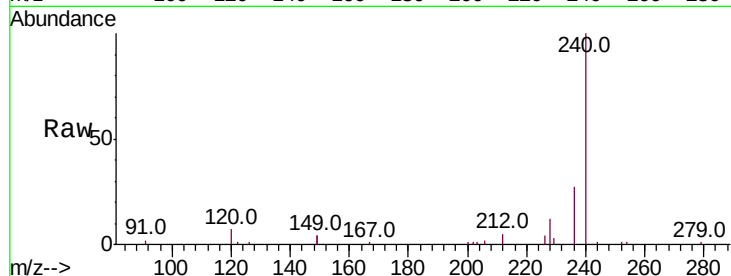




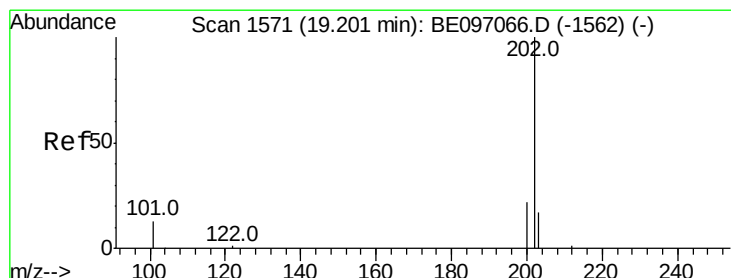
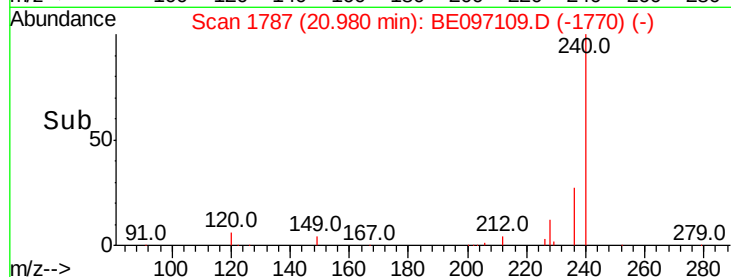
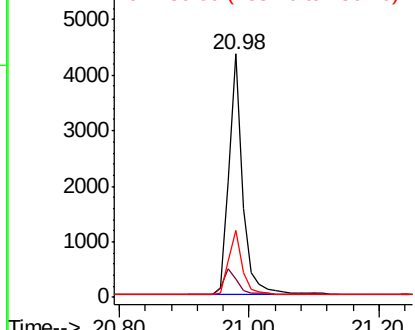
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 6582
Ion Ratio Lower Upper
240 100
120 7.3 5.5 8.3
236 27.3 20.7 31.1

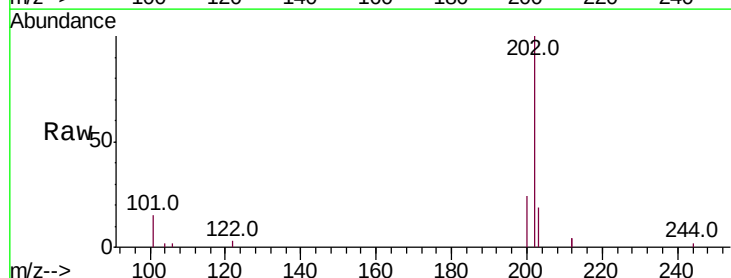


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

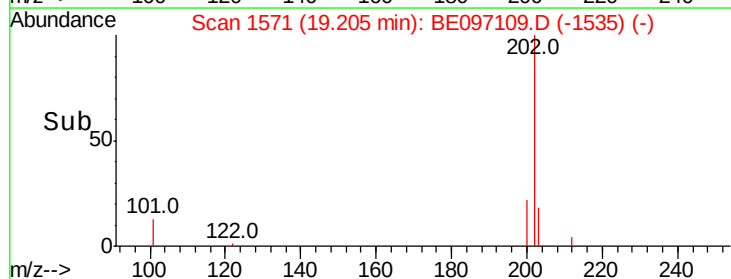
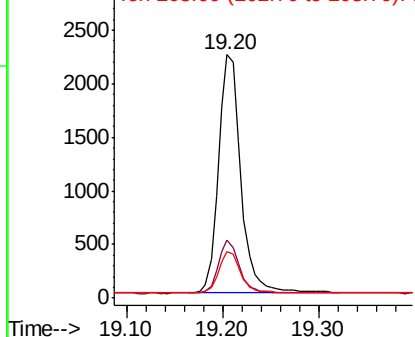


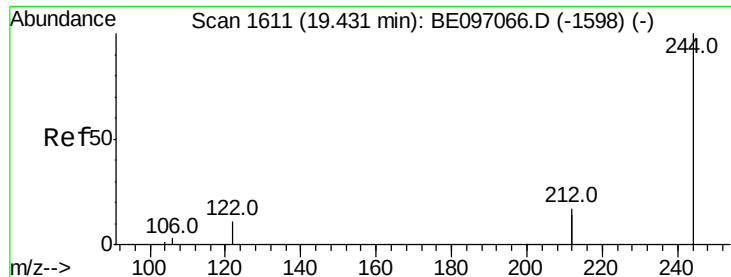
#28
Pyrene
Concen: 0.200 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097109.D
Acq: 26 Jul 2018 19:06

Tgt Ion:202 Resp: 3605
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 17.4 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

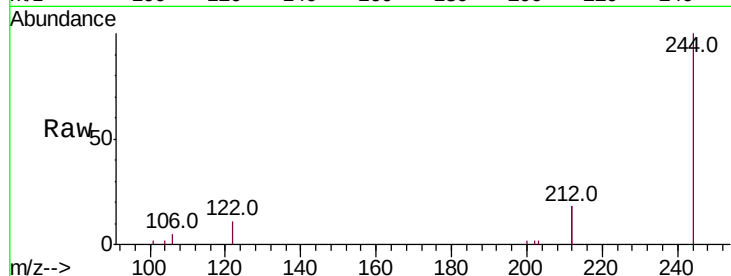




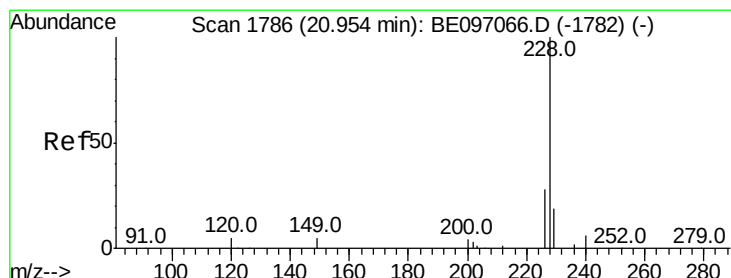
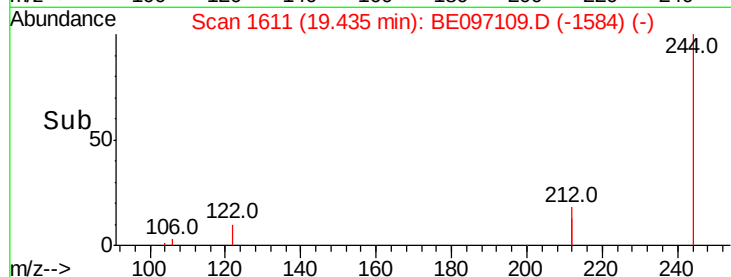
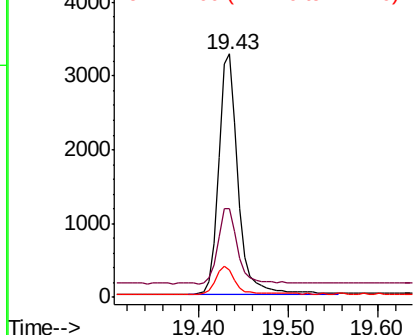
#29
 Terphenyl-d14
 Concen: 0.383 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097109.D
 Acq: 26 Jul 2018 19:06

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 4845
 Ion Ratio Lower Upper
 244 100
 212 36.3 25.4 38.0
 122 11.1 8.1 12.1

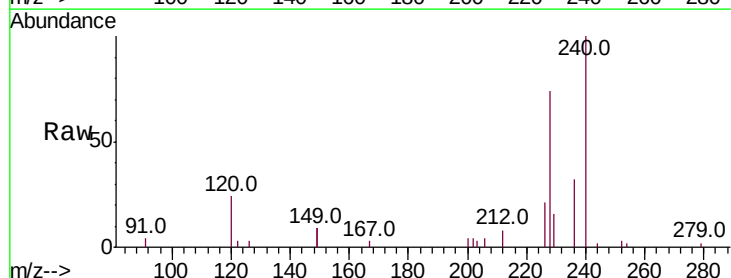


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

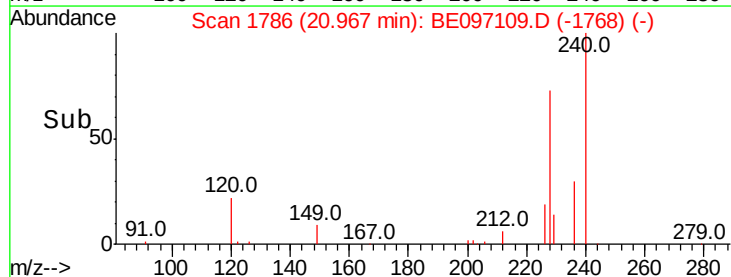
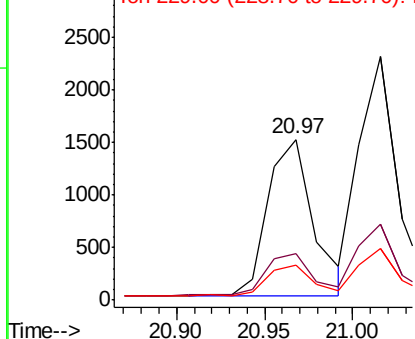


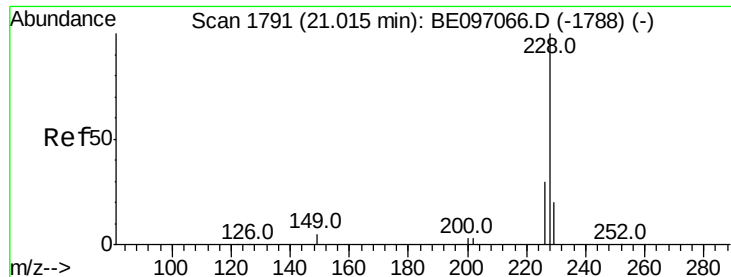
#30
 Benzo(a)anthracene
 Concen: 0.162 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BE097109.D
 Acq: 26 Jul 2018 19:06

Tgt Ion:228 Resp: 2648
 Ion Ratio Lower Upper
 228 100
 226 28.8 24.0 36.0
 229 21.9 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: 0.196 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

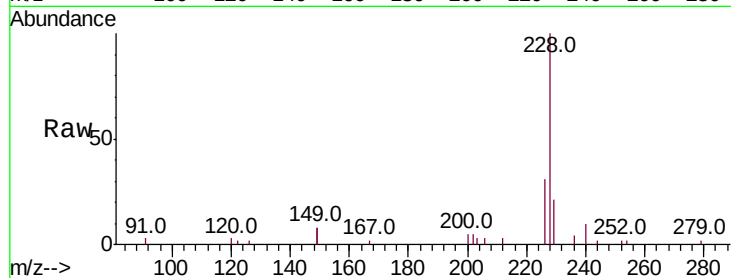
Tot Ion:228 Resp: 3437

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

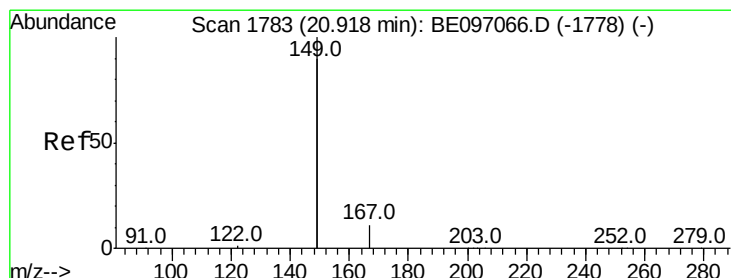
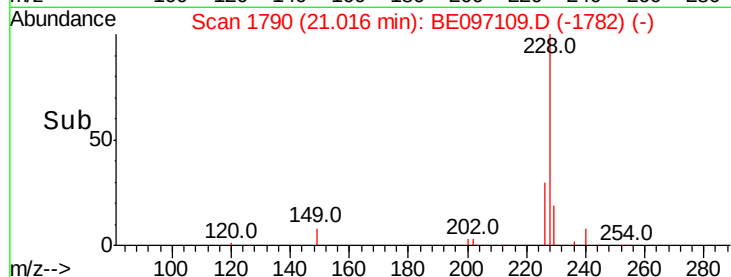
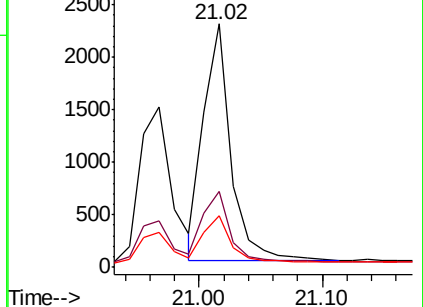
229 21.1 16.0 24.0



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: 0.141 ng

RT: 20.92 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

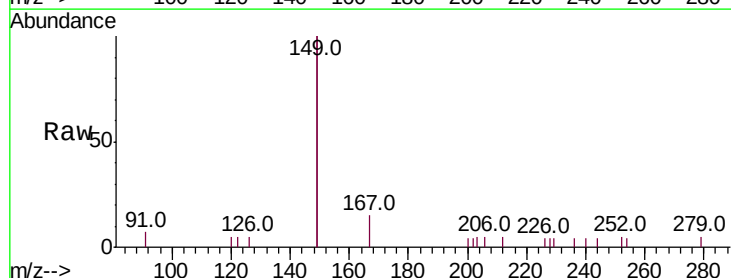
Tgt Ion:149 Resp: 2474

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

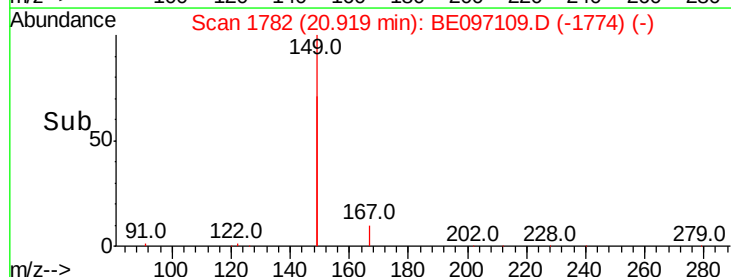
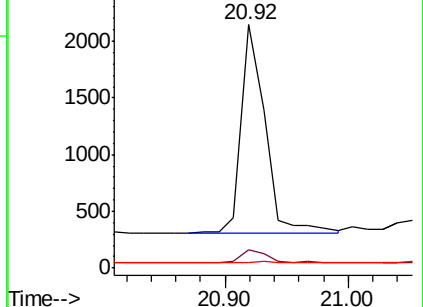
279 1.0 0.7 1.1

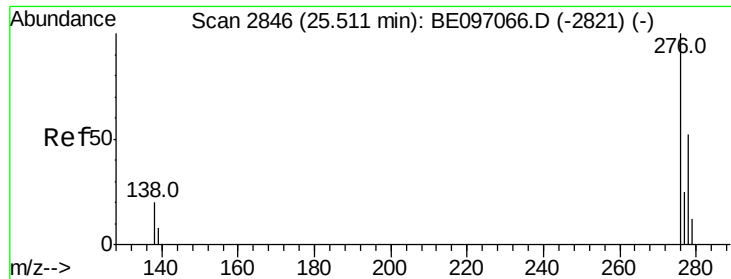


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.114 ng

RT: 25.53 min Scan# 2850

Delta R.T. 0.02 min

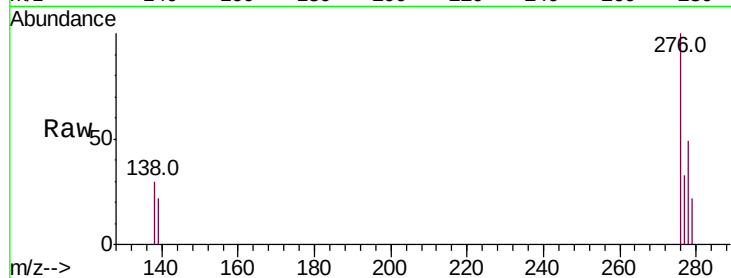
Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :



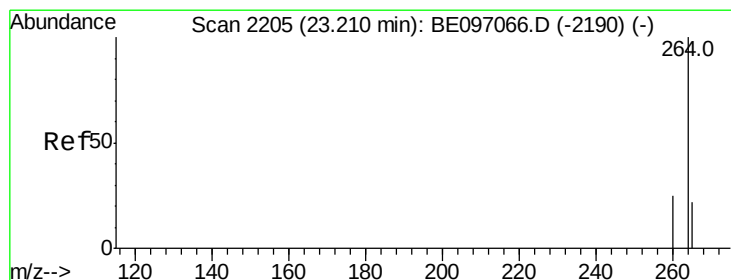
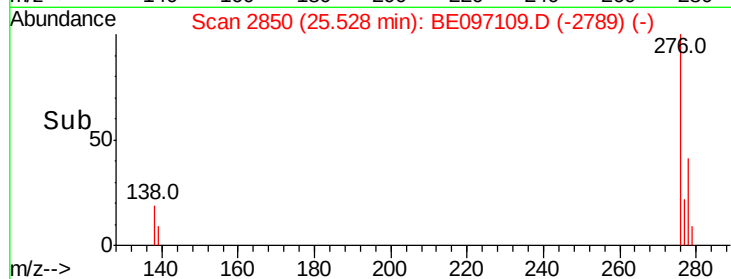
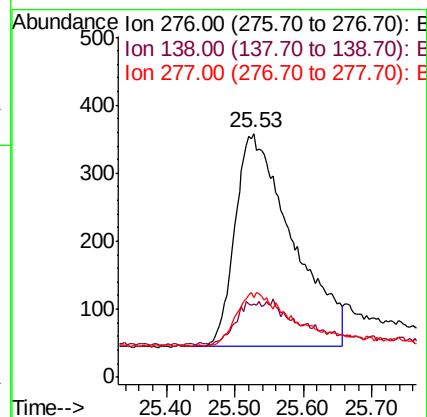
Tot Ion:276 Resp: 1818

Ion Ratio Lower Upper

276 100

138 5.9 22.5 33.7#

277 8.3 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

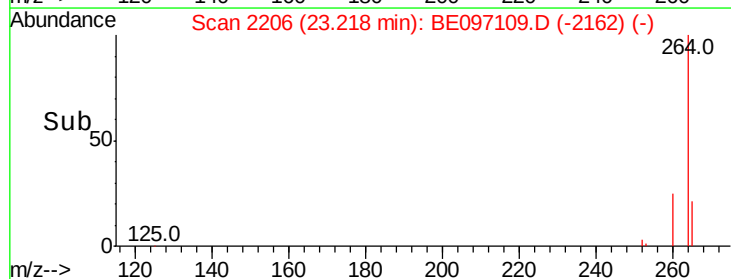
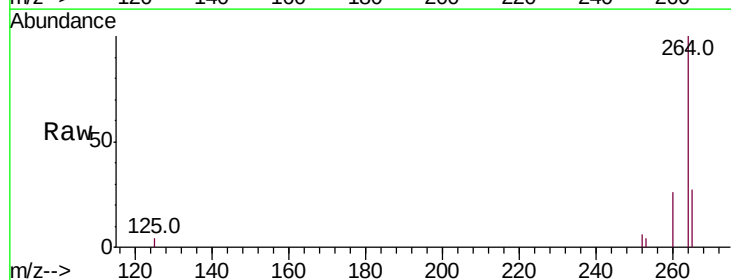
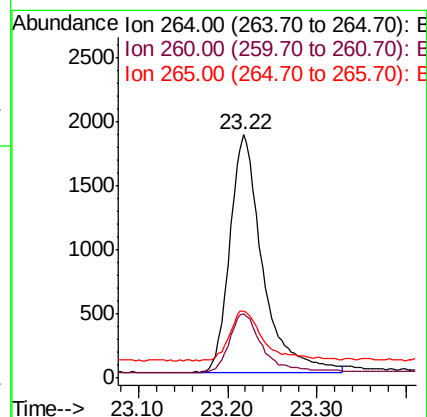
Tgt Ion:264 Resp: 4763

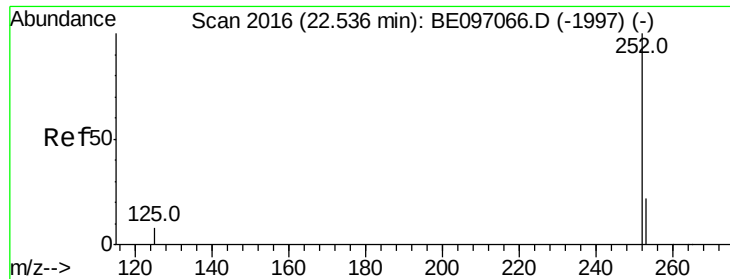
Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

265 27.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.182 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

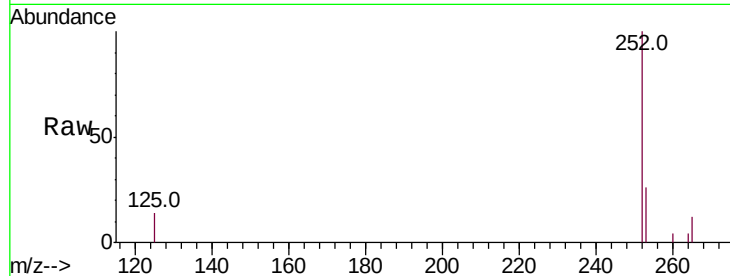
Tot Ion:252 Resp: 2194

Ion Ratio Lower Upper

252 100

253 26.1 20.0 30.0

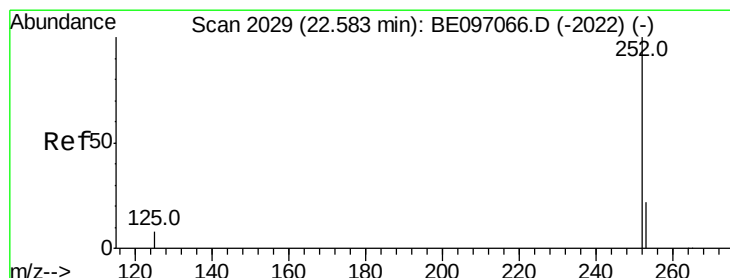
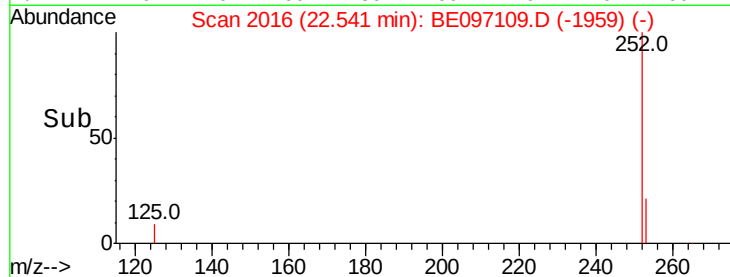
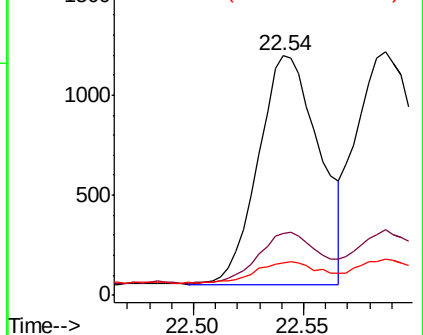
125 13.5 16.0 24.0#



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: 0.189 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

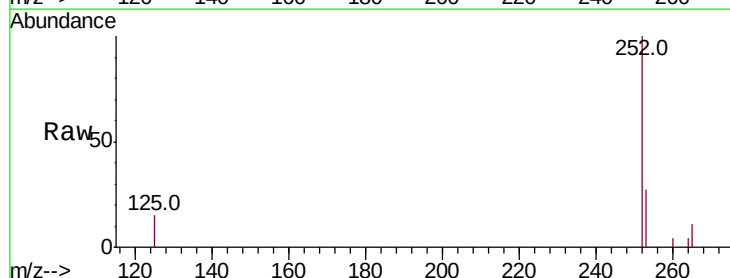
Tgt Ion:252 Resp: 2673

Ion Ratio Lower Upper

252 100

253 26.9 16.0 24.0#

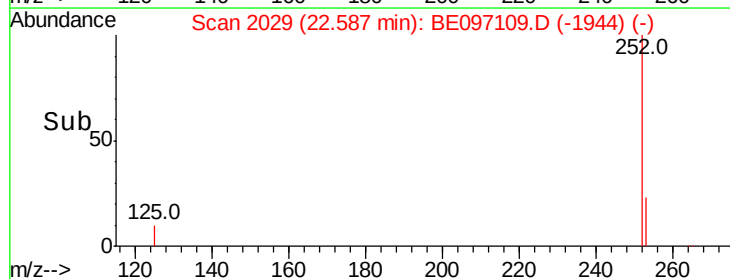
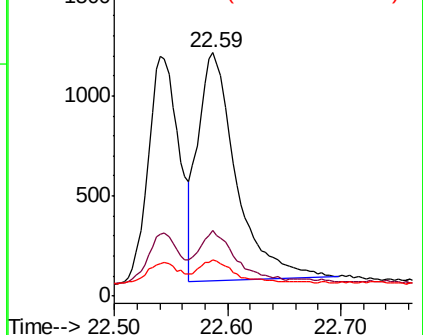
125 14.7 8.0 12.0#

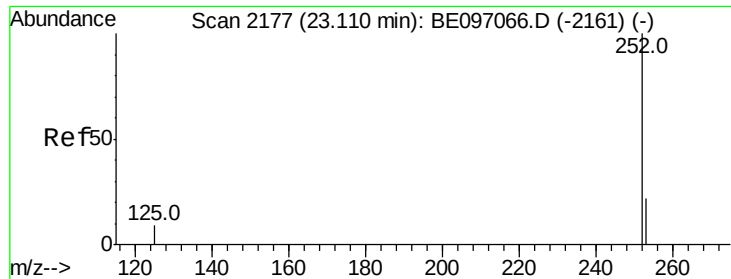


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.156 ng

RT: 23.12 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

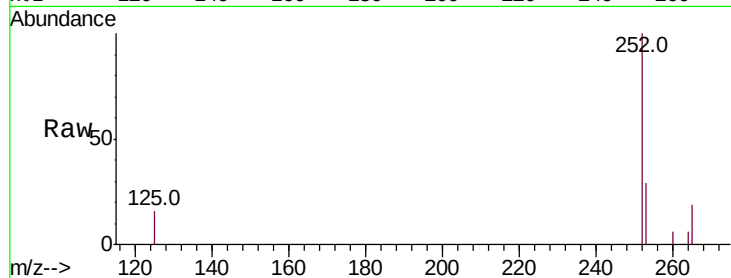
Tot Ion:252 Resp: 1776

Ion Ratio Lower Upper

252 100

253 28.8 16.0 24.0#

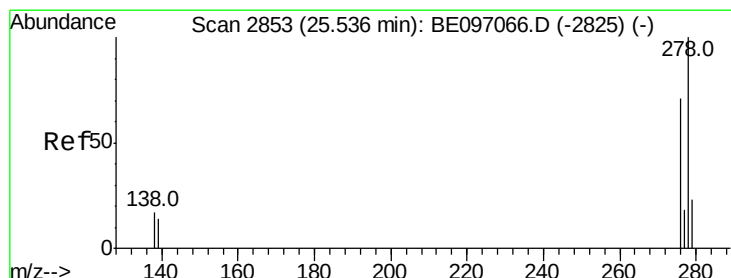
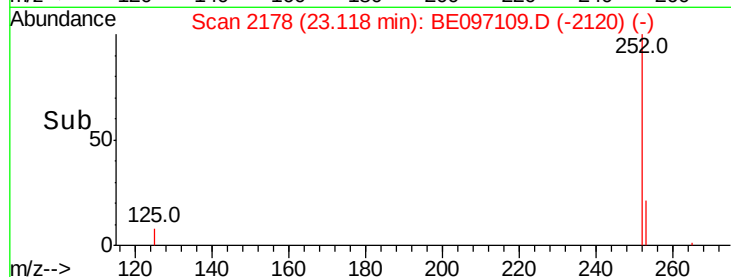
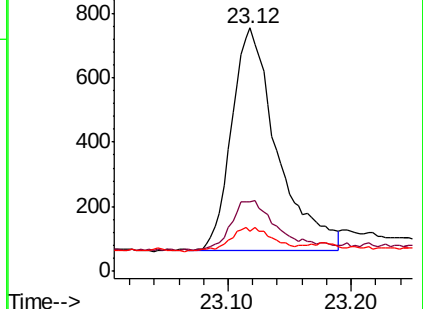
125 16.2 12.0 18.0



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: 0.116 ng

RT: 25.56 min Scan# 2859

Delta R.T. 0.02 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

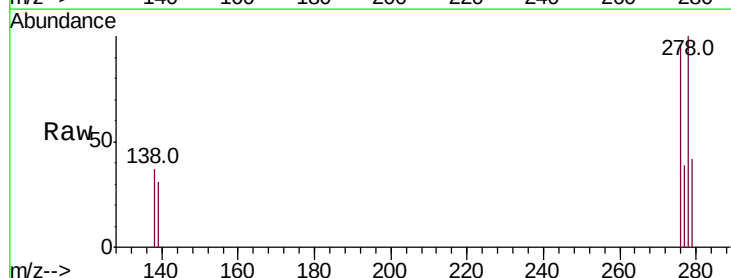
Tgt Ion:278 Resp: 1320

Ion Ratio Lower Upper

278 100

139 30.7 16.0 24.0#

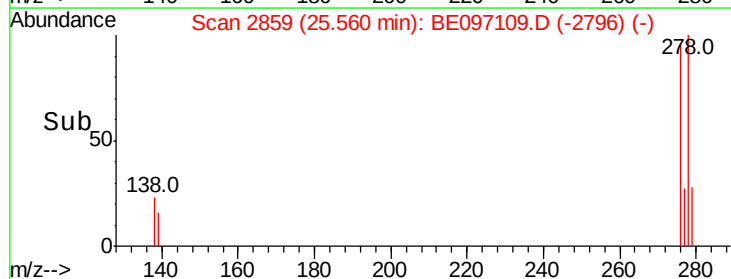
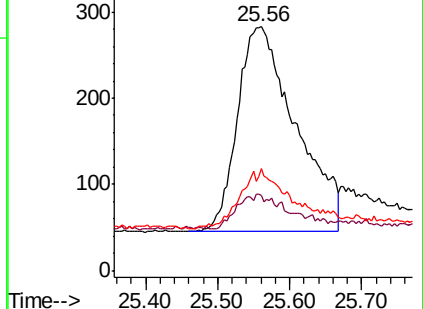
279 41.7 20.0 30.0#

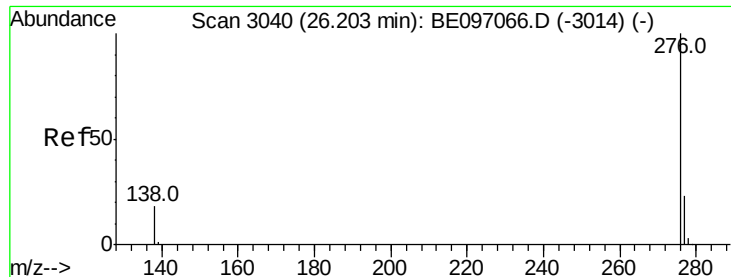


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.154 ng

RT: 26.22 min Scan# 3044

Delta R.T. 0.02 min

Lab File: BE097109.D

Acq: 26 Jul 2018 19:06

Instrument :

BNA_E

ClientSampleId :

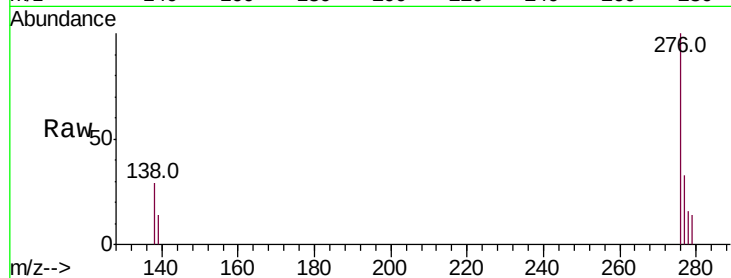
Tot Ion:276 Resp: 1859

Ion Ratio Lower Upper

276 100

277 32.5 16.0 24.0#

138 28.8 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

