

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097067.D
 Acq On : 24 Jul 2018 10:45
 Operator : SJ/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 24 11:27:07 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 11:09:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1336	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6876	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4350	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	11911	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11566	0.40	ng	0.00
34) Perylene-d12	23.21	264	9516	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	2791	0.87	ng	0.00
5) Phenol-d6	6.60	99	4141	0.85	ng	0.00
8) Nitrobenzene-d5	8.52	82	4413	0.88	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	7573	0.76	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	1156	1.05	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	11263	0.70	ng	0.00
25) Fluoranthene-d10	18.81	212	89428	0.86	ng	0.00
29) Terphenyl-d14	19.43	244	16650	0.75	ng	0.00

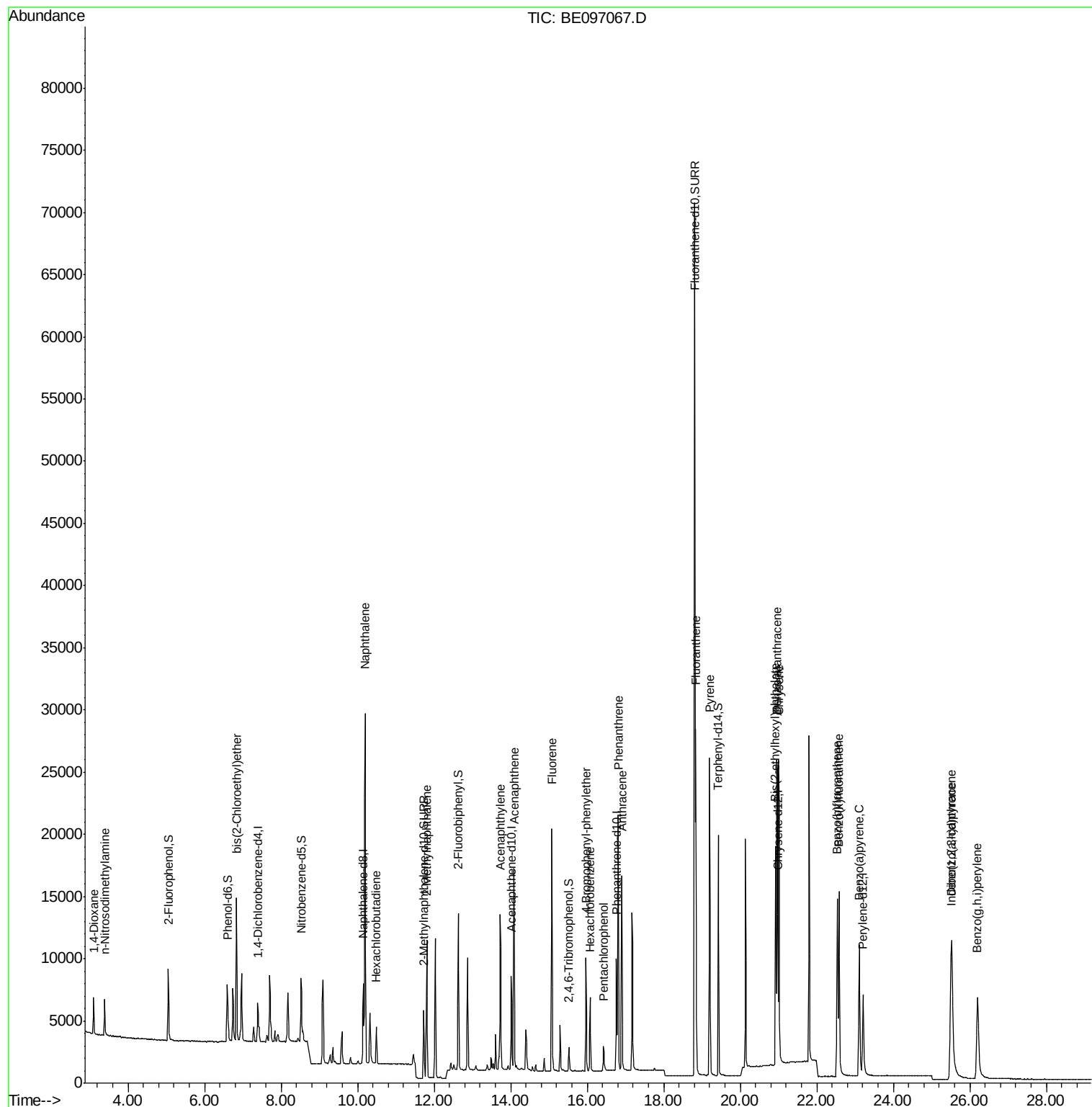
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	1613	0.843	ng	# 86
3) n-Nitrosodimethylamine	3.38	42	1872	0.870	ng	94
6) bis(2-Chloroethyl)ether	6.84	93	3751	0.784	ng	98
9) Naphthalene	10.20	128	45883	0.745	ng	99
10) Hexachlorobutadiene	10.48	225	2114	0.850	ng	95
12) 2-Methylnaphthalene	11.80	142	7858	0.753	ng	99
16) Acenaphthylene	13.73	152	14655	0.738	ng	100
17) Acenaphthene	14.08	154	8494	0.688	ng	# 92
18) Fluorene	15.07	166	11310	0.816	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	4371	0.776	ng	86
21) Hexachlorobenzene	16.08	284	4616	0.738	ng	# 83
22) Pentachlorophenol	16.43	266	1216	1.185	ng	# 77
23) Phenanthrene	16.81	178	21300	0.747	ng	99
24) Anthracene	16.90	178	18957	0.764	ng	96
26) Fluoranthene	18.84	202	24134	0.802	ng	98
28) Pyrene	19.20	202	23681	0.694	ng	99
30) Benzo(a)anthracene	20.95	228	20824	0.756	ng	97
31) Chrysene	21.00	228	23628	0.765	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	22892	0.833	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	20563	0.914	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	17833	0.734	ng	# 87
36) Benzo(k)fluoranthene	22.58	252	21320	0.738	ng	96
37) Benzo(a)pyrene	23.11	252	17077	0.786	ng	# 92
38) Dibenzo(a,h)anthracene	25.53	278	16991	0.958	ng	# 94
39) Benzo(g,h,i)perylene	26.20	276	17954	0.909	ng	# 90

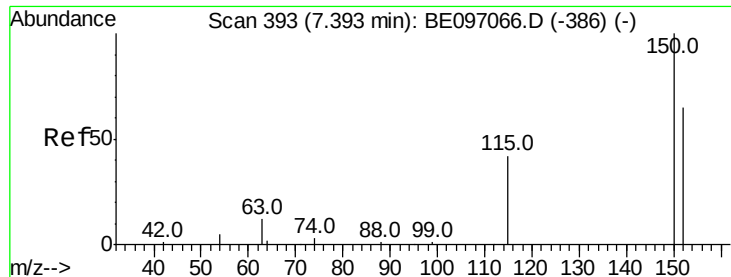
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
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Instrument :
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QLast Update : Tue Jul 24 11:09:08 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

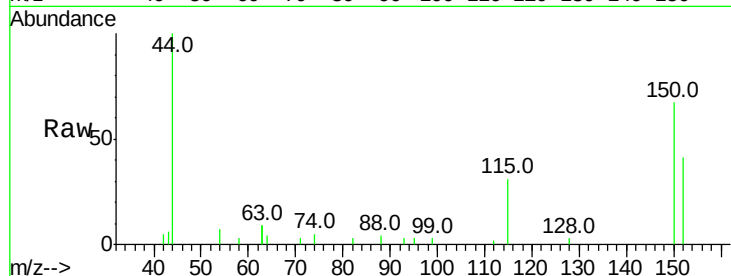
Tot Ion:152 Resp: 1336

Ion Ratio Lower Upper

152 100

150 163.6 117.2 175.8

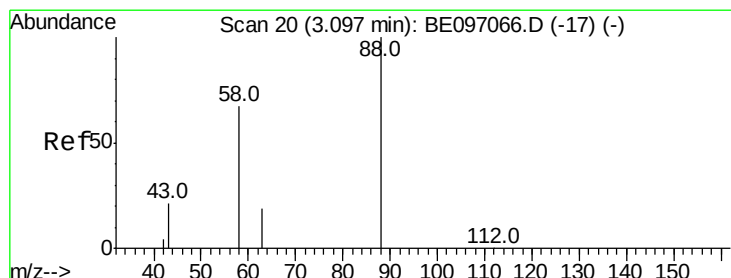
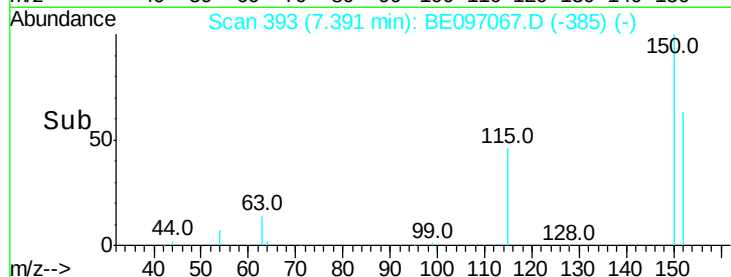
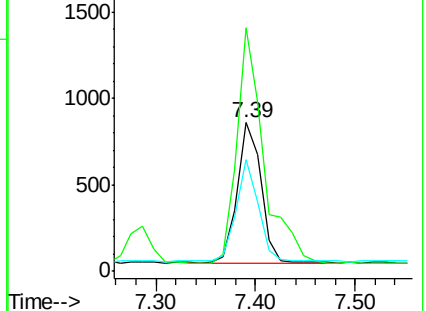
115 75.1 57.0 85.6



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: 0.843 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

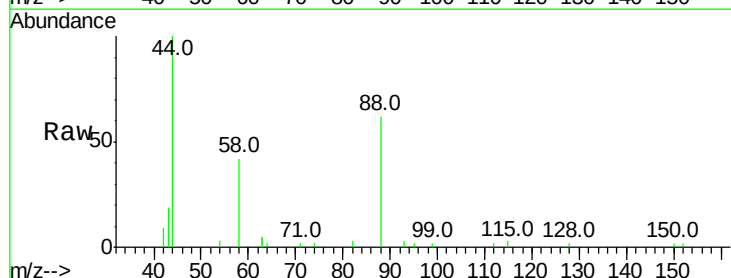
Tgt Ion: 88 Resp: 1613

Ion Ratio Lower Upper

88 100

58 85.1 63.2 94.8

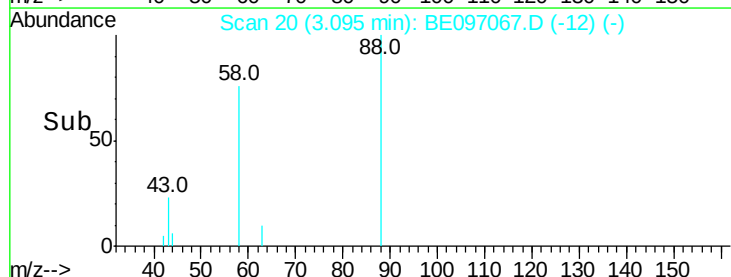
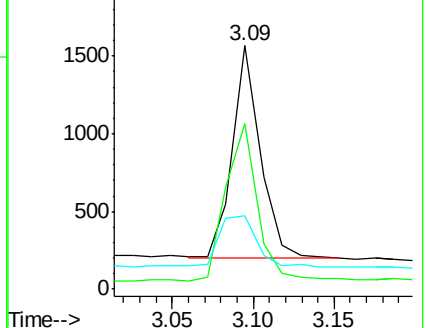
43 34.0 41.2 61.8#

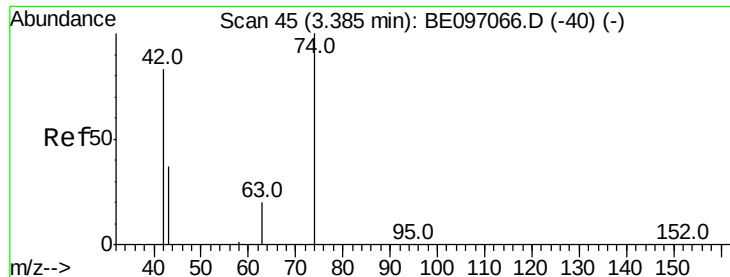


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



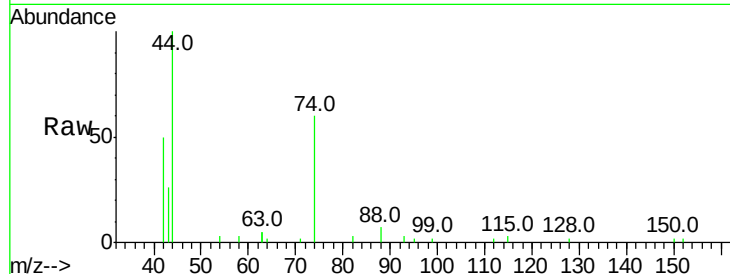


#3

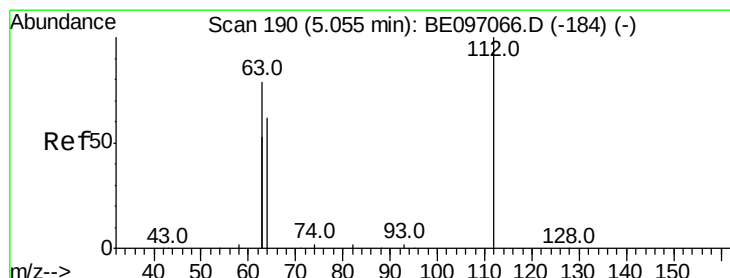
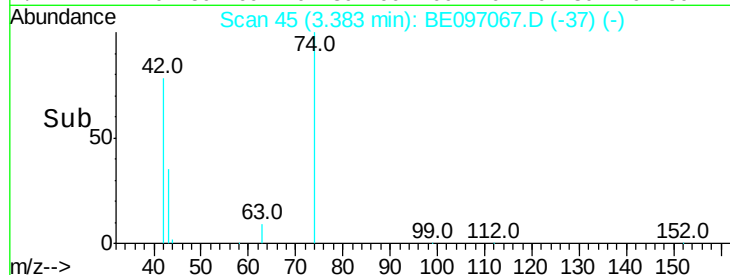
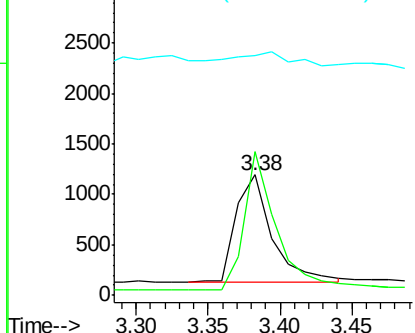
n-Nitrosodimethylamine
Concen: 0.870 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097067.D
Acq: 24 Jul 2018 10:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 1872
Ion Ratio Lower Upper
42 100
74 112.7 96.0 144.0
44 16.8 12.0 18.0



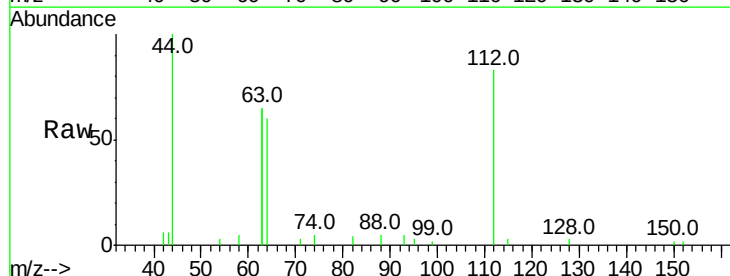
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



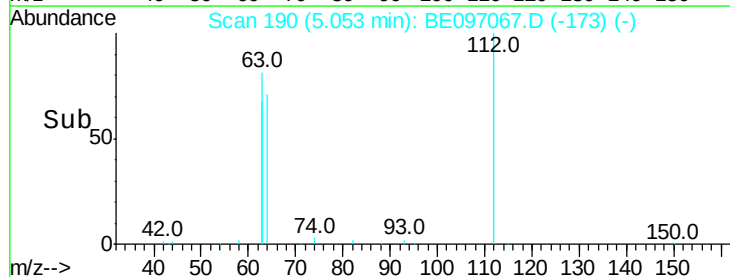
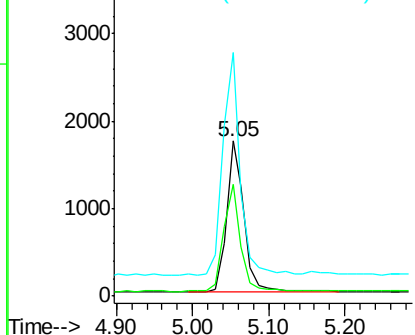
#4

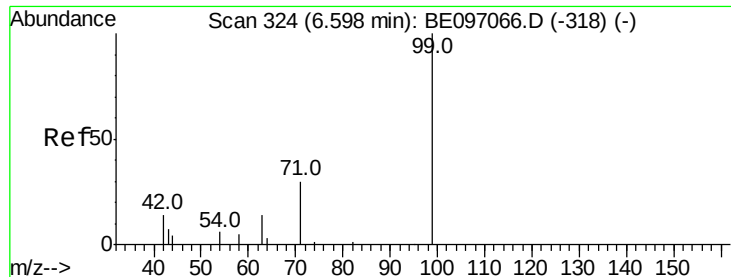
2-Fluorophenol
Concen: 0.873 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097067.D
Acq: 24 Jul 2018 10:45

Tgt Ion: 112 Resp: 2791
Ion Ratio Lower Upper
112 100
64 69.9 60.1 90.1
63 146.9 116.8 175.2



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: 0.849 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

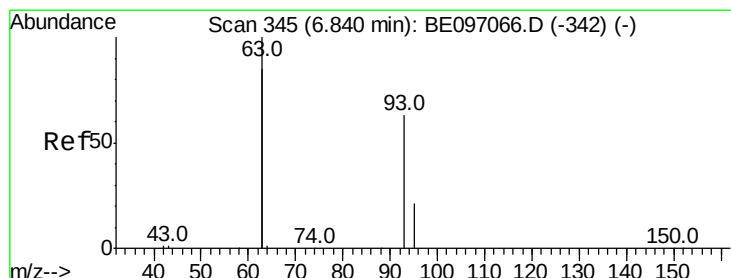
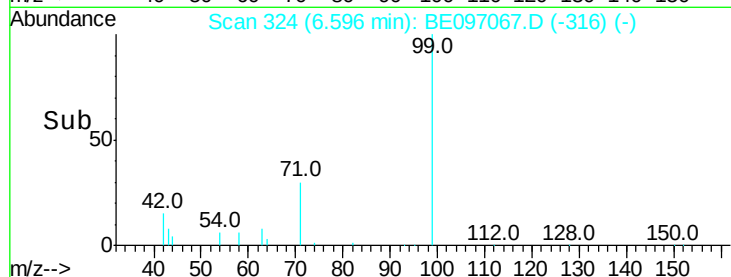
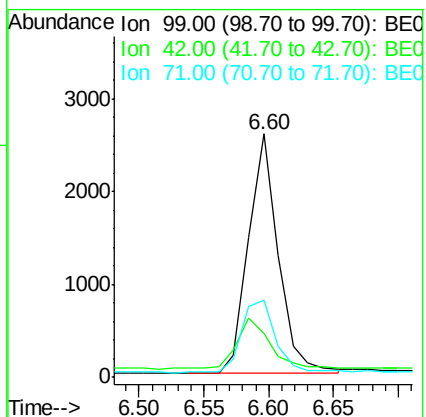
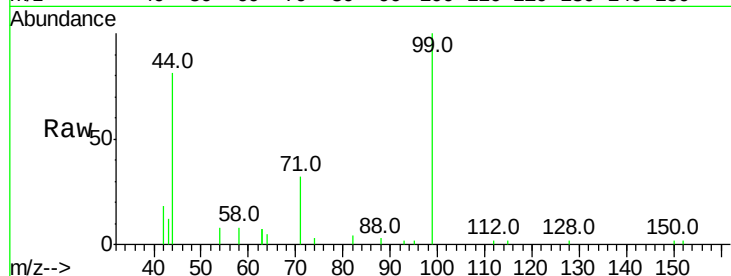
Tot Ion: 99 Resp: 4141

Ion Ratio Lower Upper

99 100

42 23.8 20.2 30.2

71 34.4 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.784 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

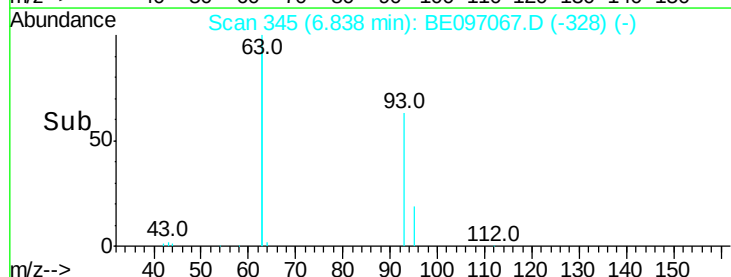
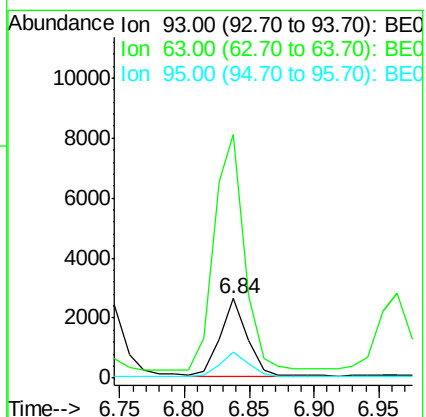
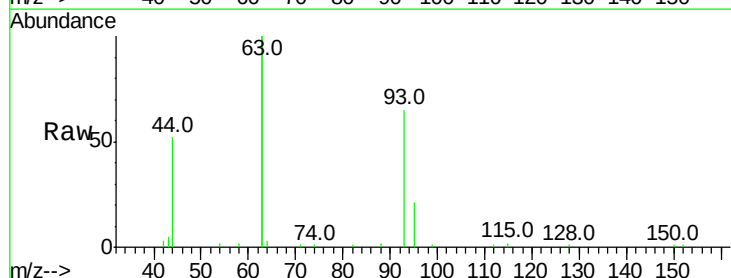
Tgt Ion: 93 Resp: 3751

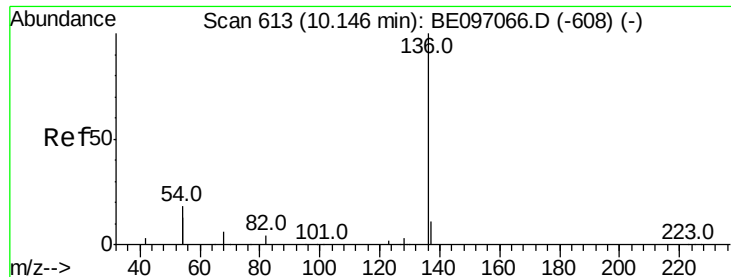
Ion Ratio Lower Upper

93 100

63 339.6 275.3 412.9

95 33.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6876

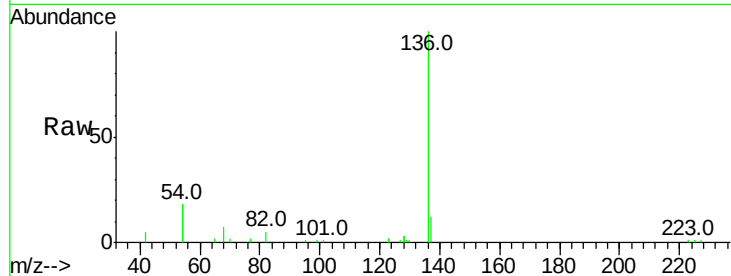
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 35.8 29.1 43.7

68 6.8 6.2 9.2

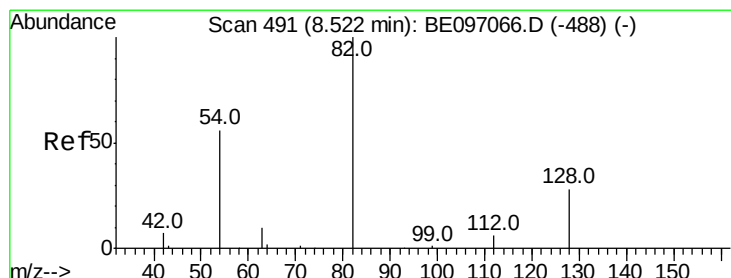
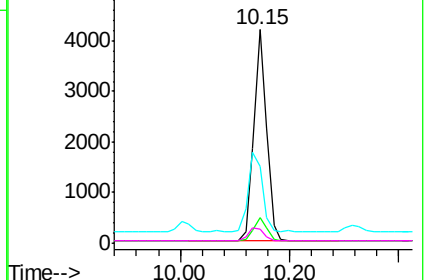
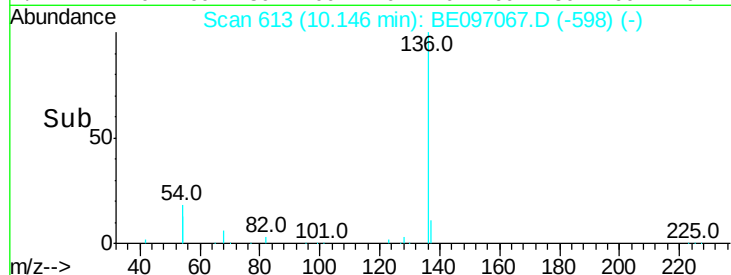


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.880 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

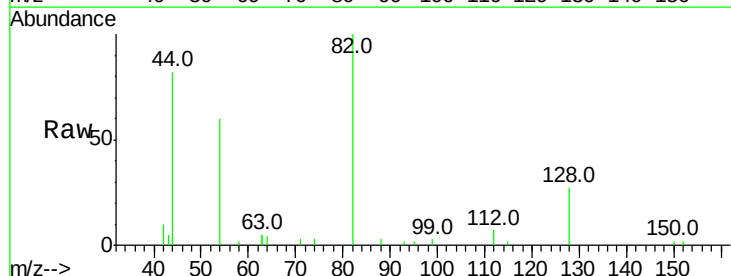
Tgt Ion: 82 Resp: 4413

Ion Ratio Lower Upper

82 100

128 27.4 24.0 36.0

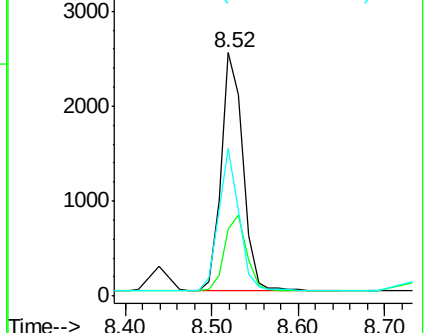
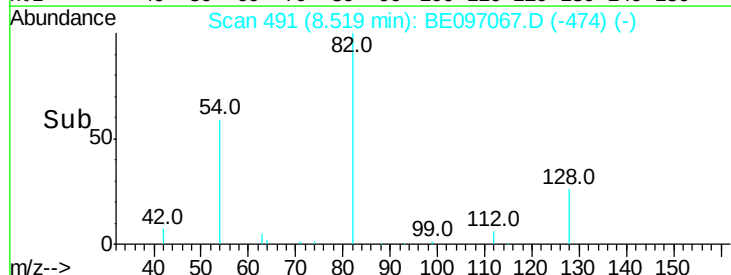
54 60.5 40.0 60.0#

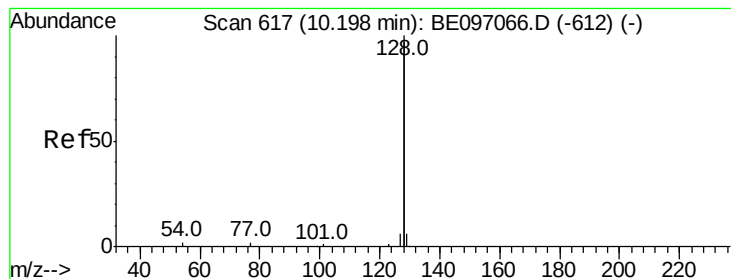


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.745 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

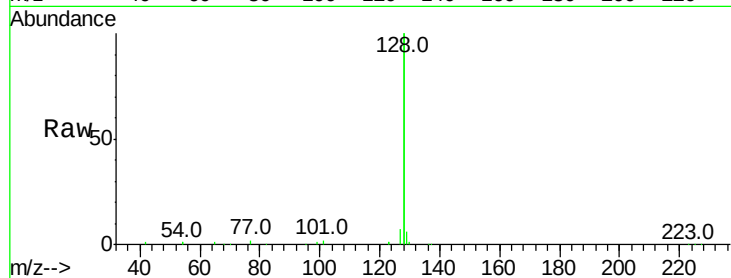
Tot Ion:128 Resp: 45883

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

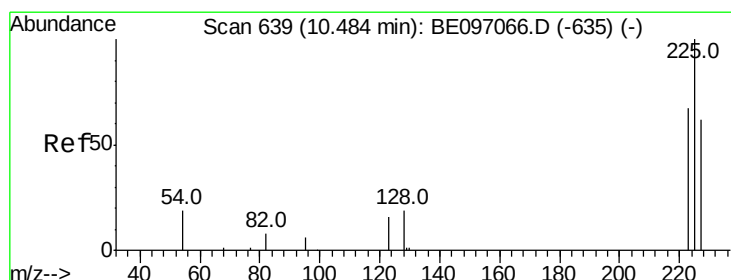
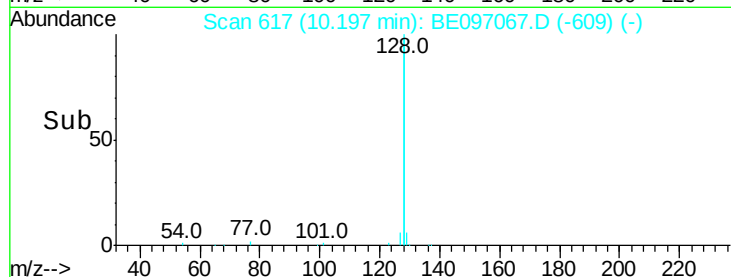
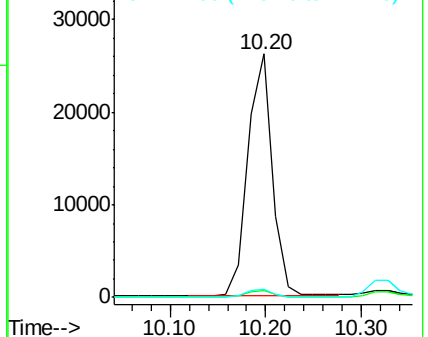
127 3.3 2.8 4.2



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: 0.850 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

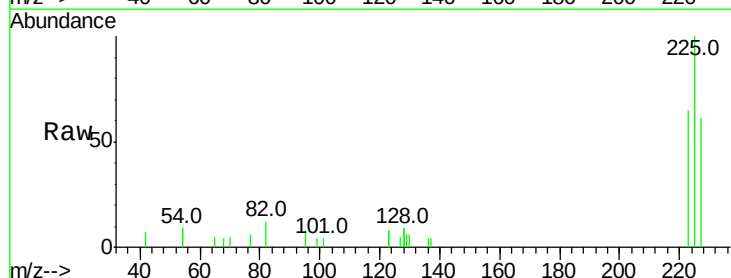
Tgt Ion:225 Resp: 2114

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

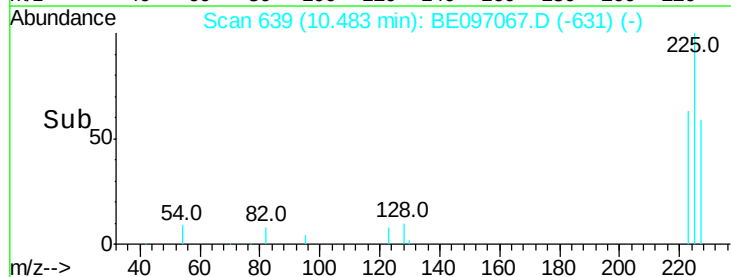
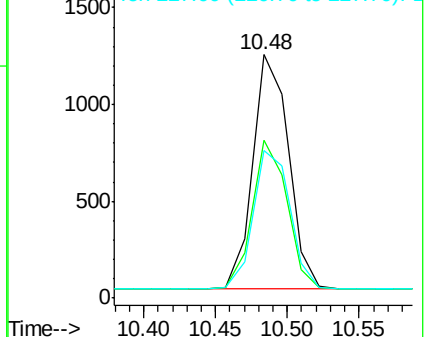
227 61.2 51.4 77.2

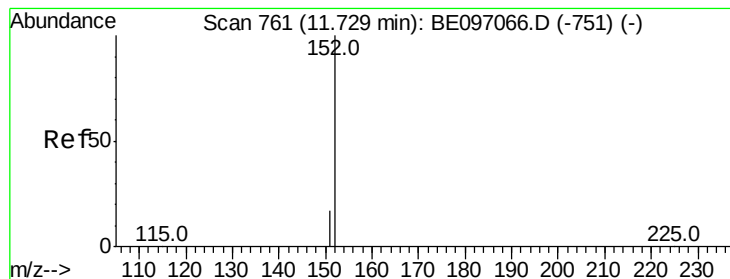


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

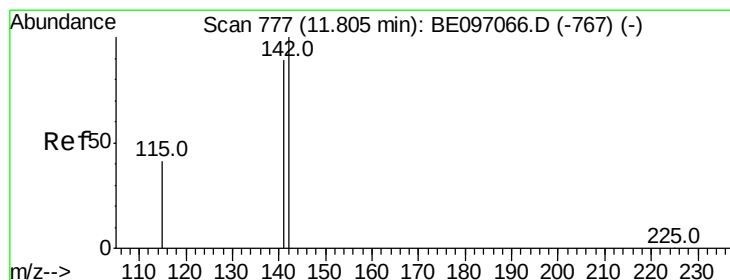
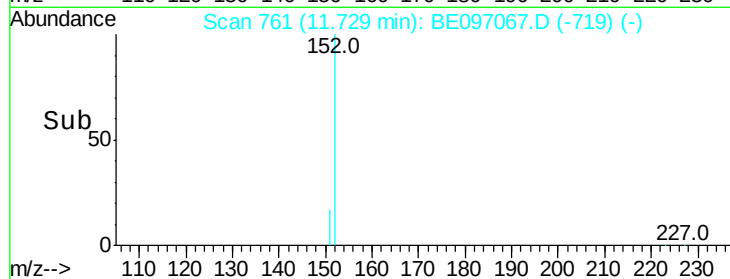
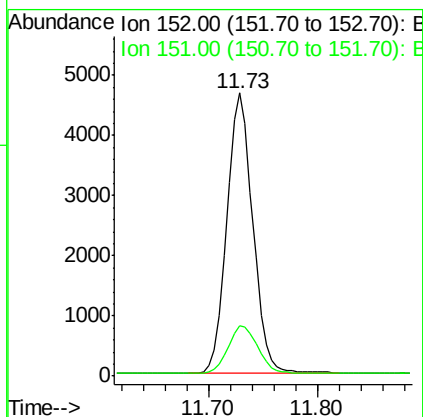
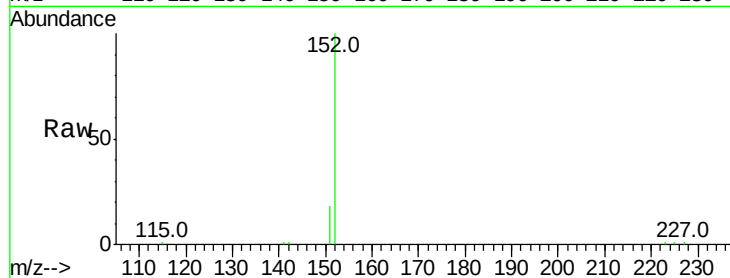




#11
 2-Methylnaphthalene-d10
 Concen: 0.756 ng
 RT: 11.73 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

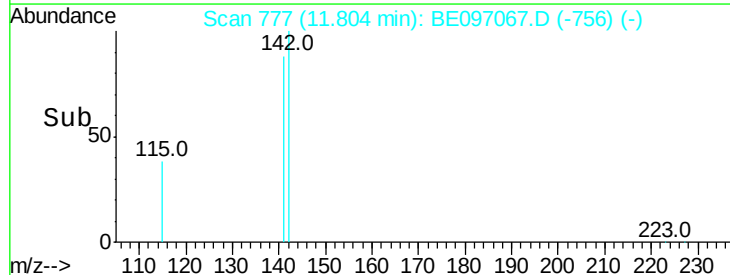
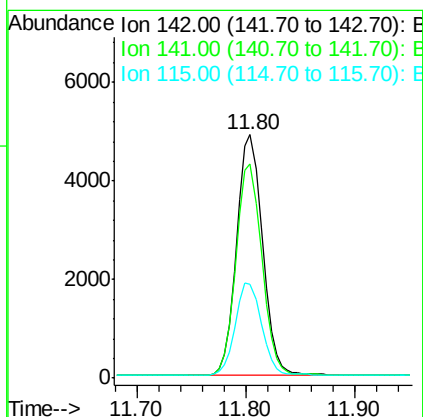
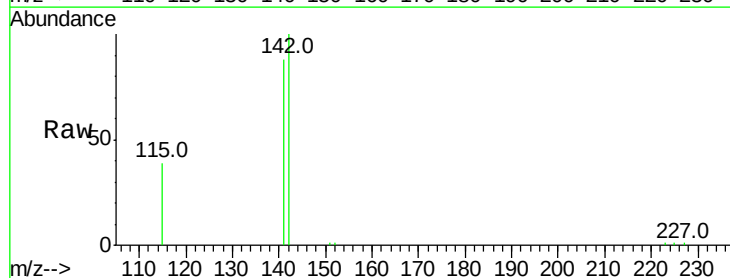
Instrument :
 BNA_E
 ClientSampleId :

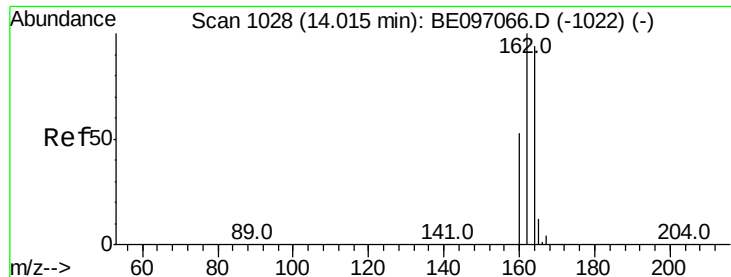
Tot Ion:152 Resp: 7573
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.753 ng
 RT: 11.80 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

Tgt Ion:142 Resp: 7858
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.4 105.6
 115 38.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

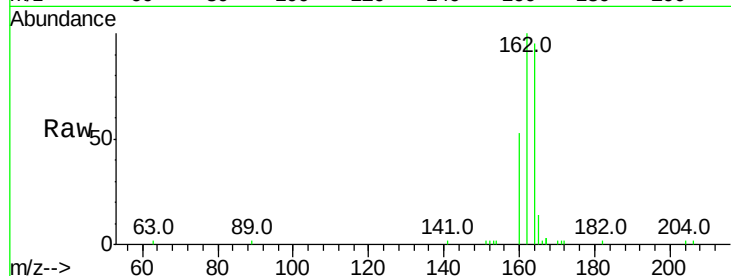
Tot Ion:164 Resp: 4350

Ion Ratio Lower Upper

164 100

162 105.1 83.1 124.7

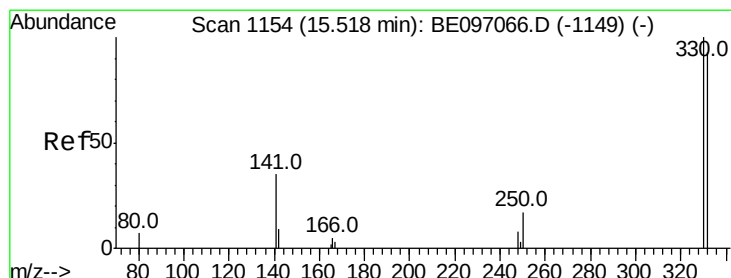
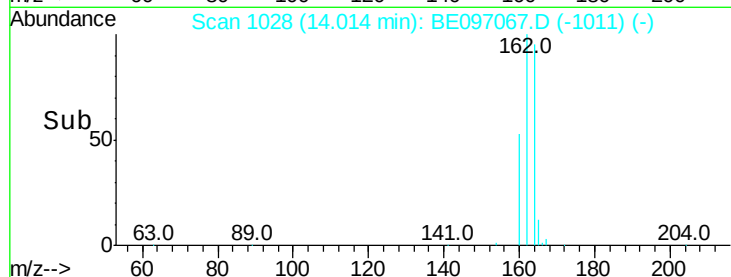
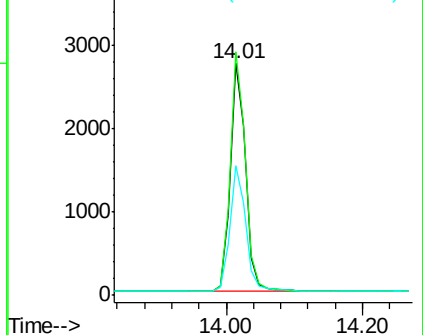
160 56.0 37.1 55.7#



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: 1.048 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

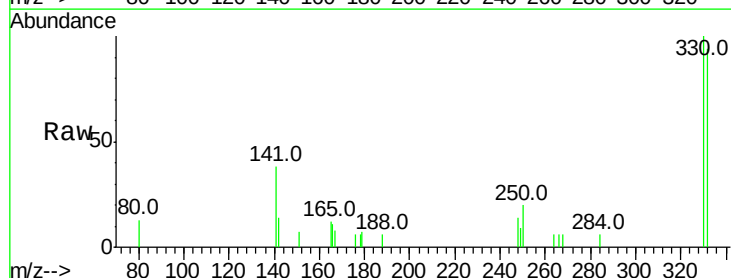
Tgt Ion:330 Resp: 1156

Ion Ratio Lower Upper

330 100

332 96.4 152.7 229.1#

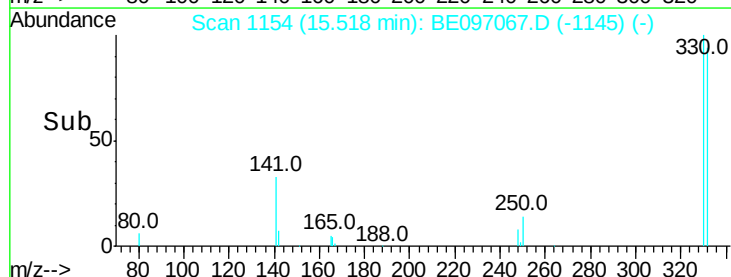
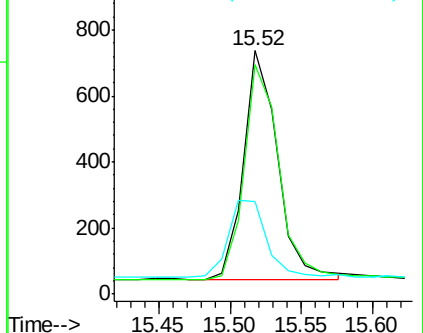
141 38.5 33.7 50.5

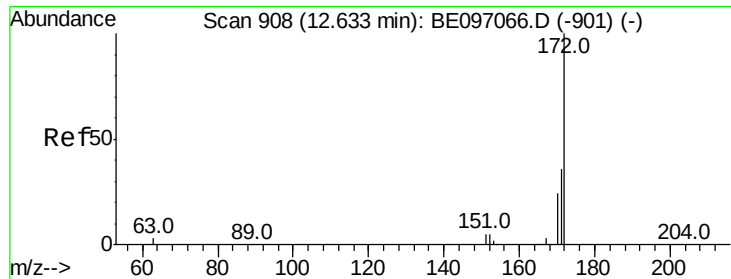


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

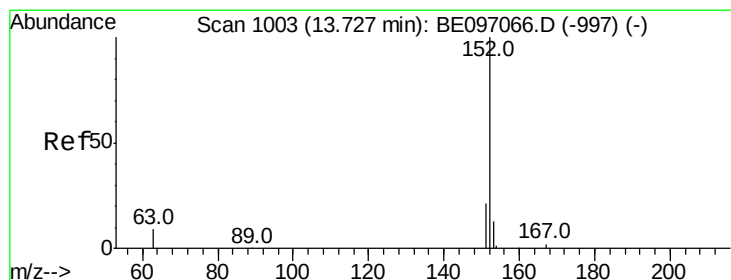
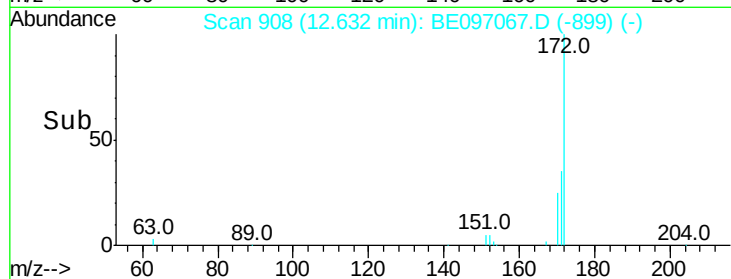
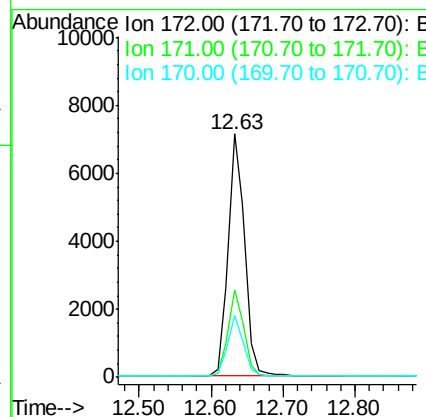
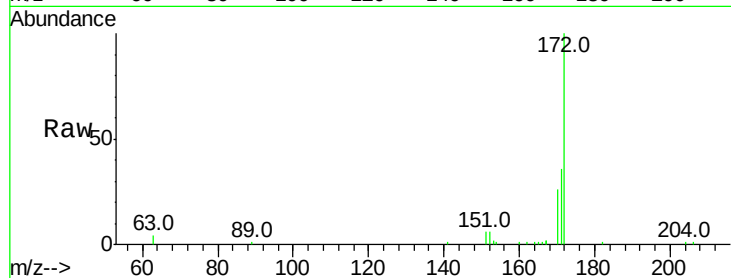




#15
2-Fluorobiphenyl
Concen: 0.696 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097067.D
Acq: 24 Jul 2018 10:45

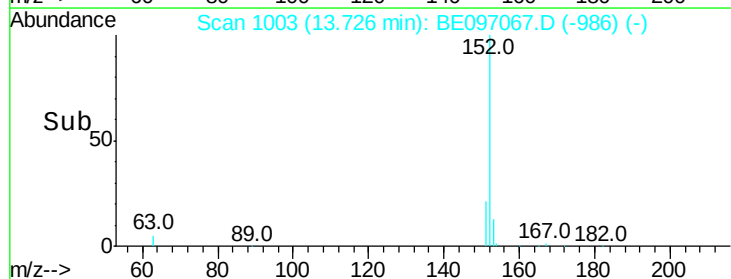
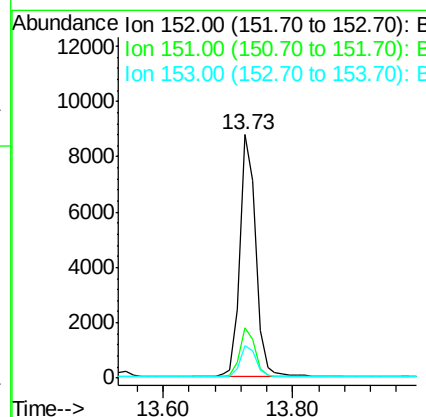
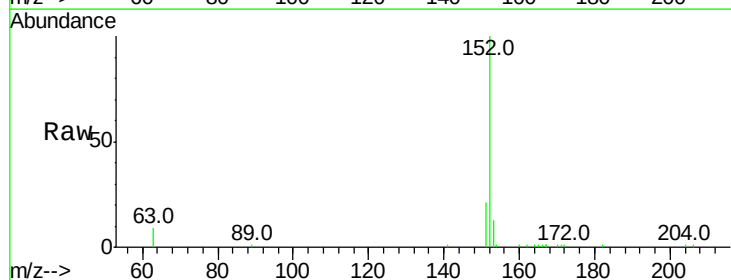
Instrument :
BNA_E
ClientSampleId :

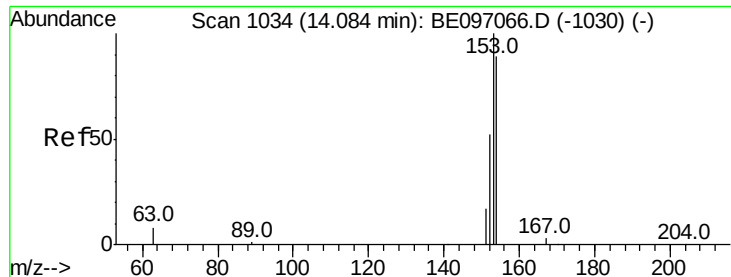
Tot Ion:172 Resp: 11263
Ion Ratio Lower Upper
172 100
171 35.9 29.9 44.9
170 25.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.738 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097067.D
Acq: 24 Jul 2018 10:45

Tgt Ion:152 Resp: 14655
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.688 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

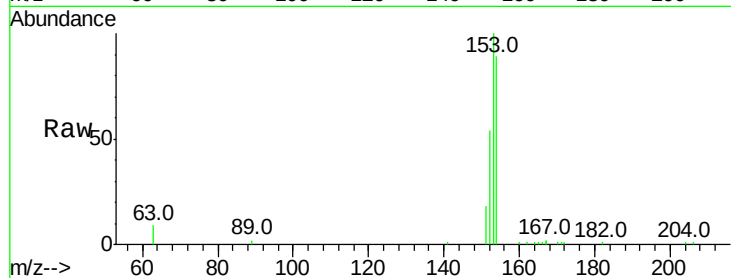
Tot Ion:154 Resp: 8494

Ion Ratio Lower Upper

154 100

153 116.0 89.2 133.8

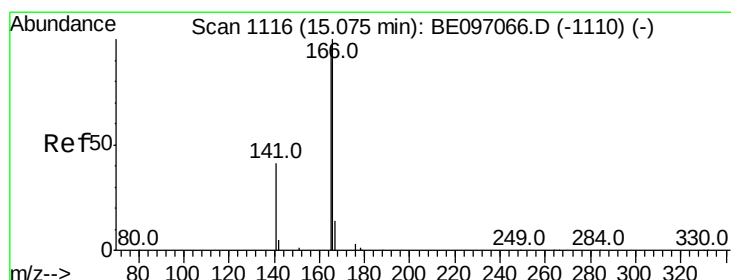
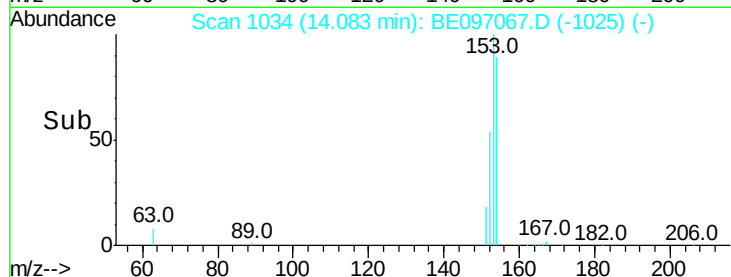
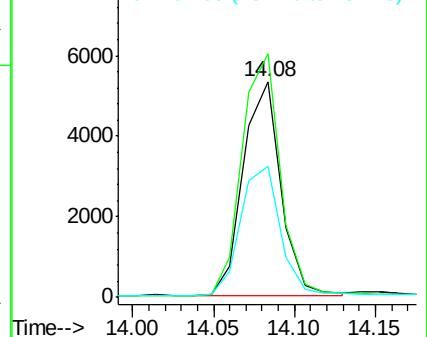
152 64.5 42.0 63.0#



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: 0.816 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

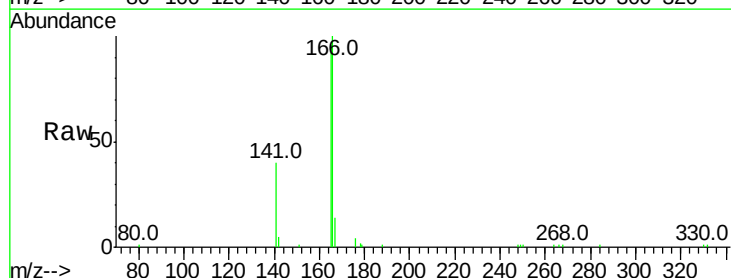
Tgt Ion:166 Resp: 11310

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

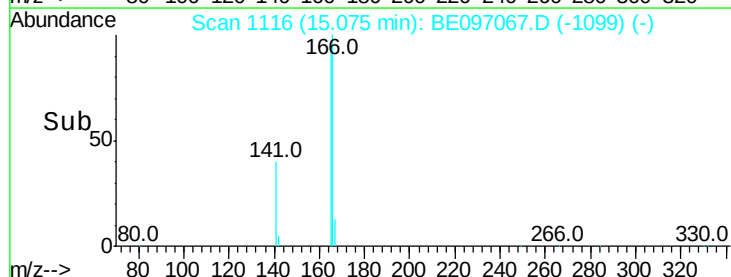
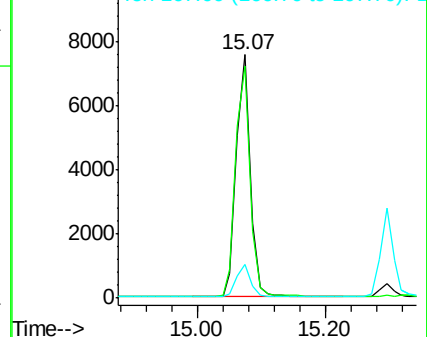
167 13.4 42.4 63.6#

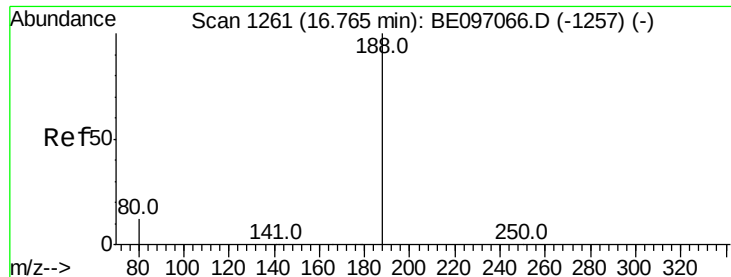


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

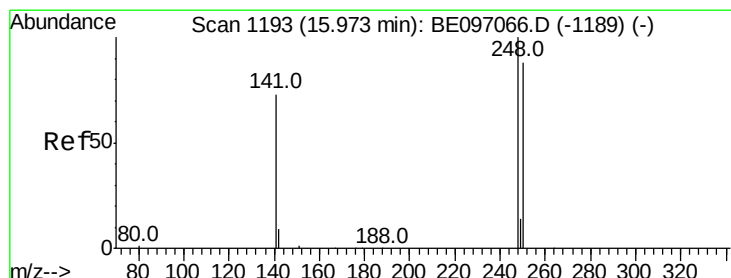
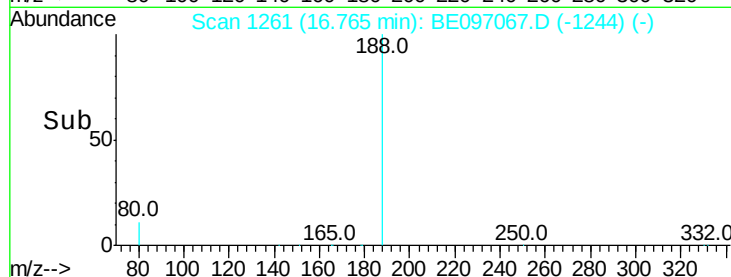
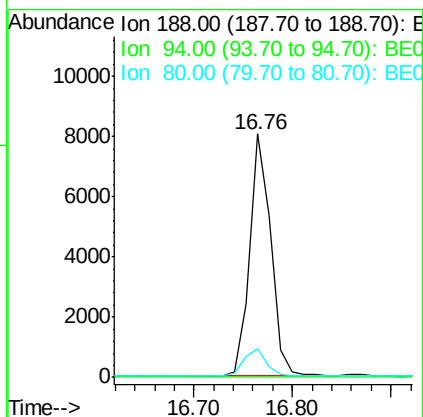
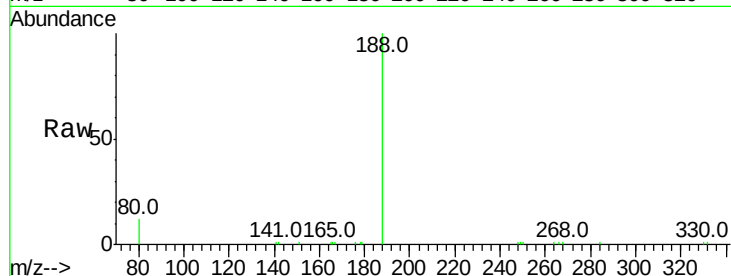




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097067.D
Acq: 24 Jul 2018 10:45

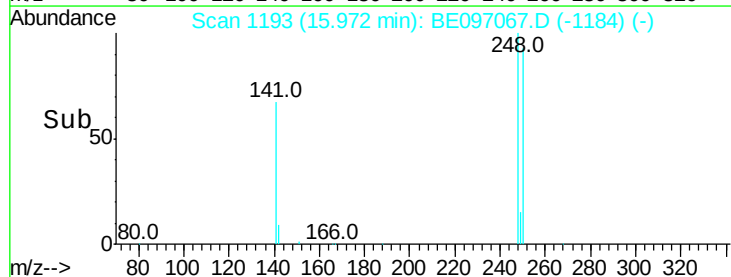
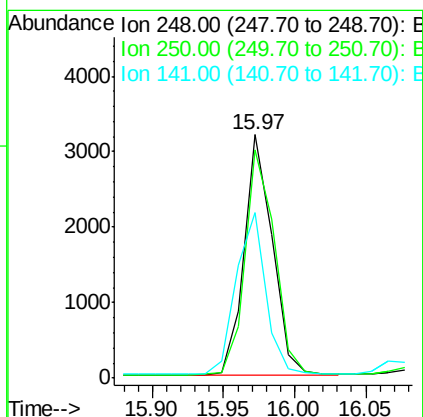
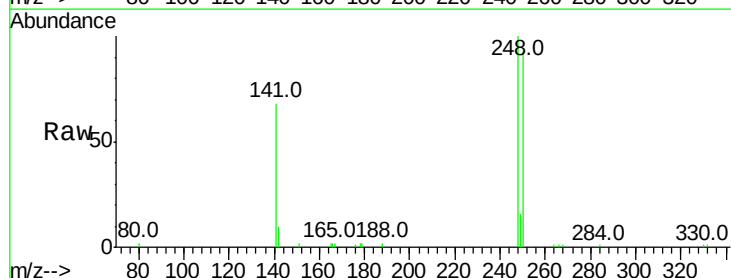
Instrument :
BNA_E
ClientSampled :

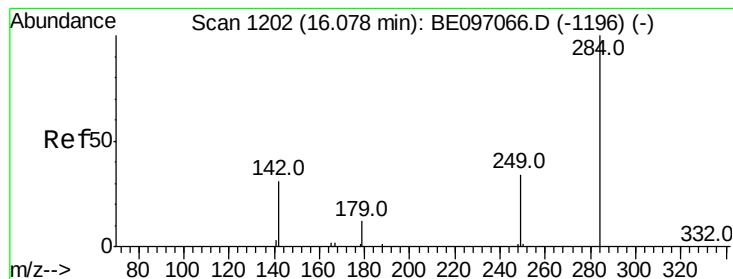
Tot Ion:188 Resp: 11911
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.0 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.776 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE097067.D
Acq: 24 Jul 2018 10:45

Tgt Ion:248 Resp: 4371
Ion Ratio Lower Upper
248 100
250 93.5 62.7 94.1
141 68.1 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.738 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

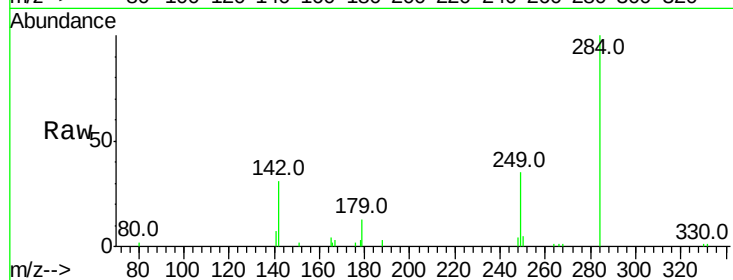
Tot Ion:284 Resp: 4616

Ion Ratio Lower Upper

284 100

142 35.0 22.1 33.1#

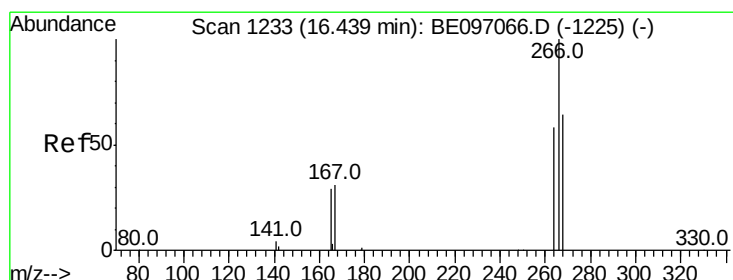
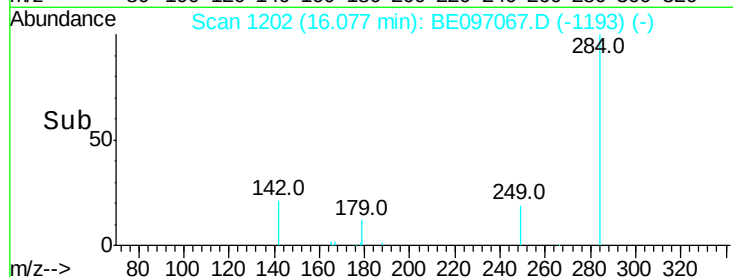
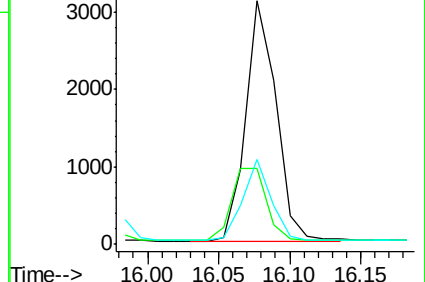
249 31.6 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.185 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

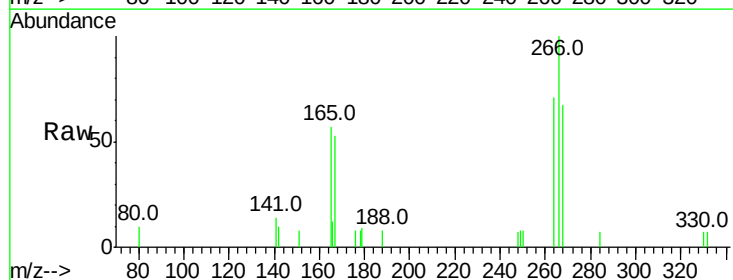
Tgt Ion:266 Resp: 1216

Ion Ratio Lower Upper

266 100

264 71.5 72.5 108.7#

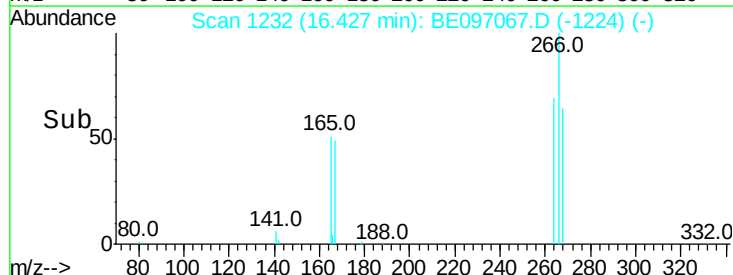
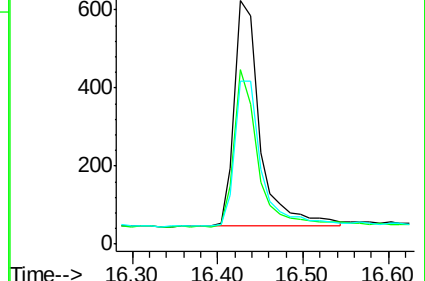
268 67.0 73.8 110.6#

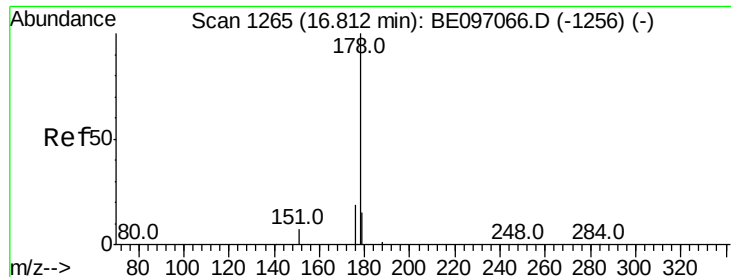


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.747 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

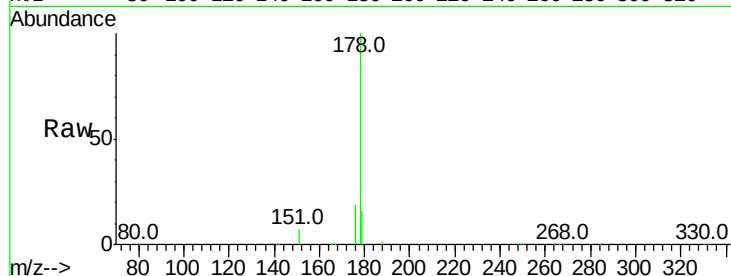
Tot Ion:178 Resp: 21300

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

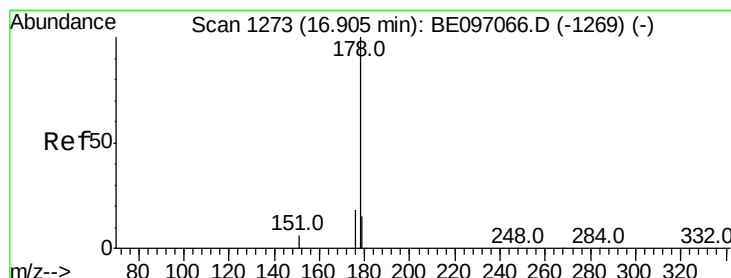
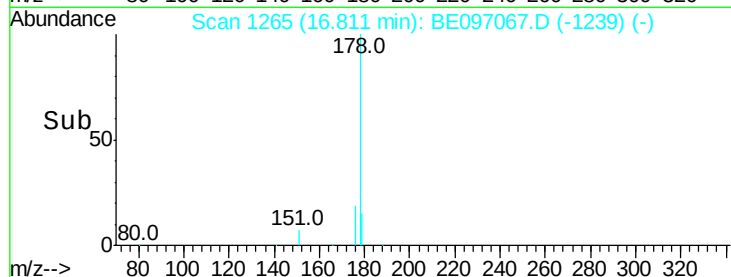
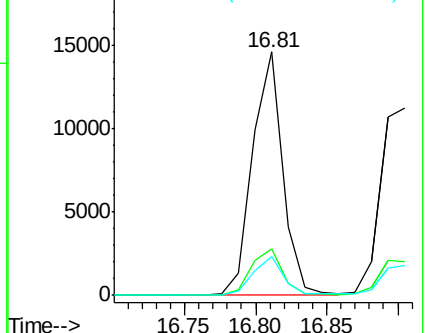
179 15.3 11.8 17.6



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: 0.764 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

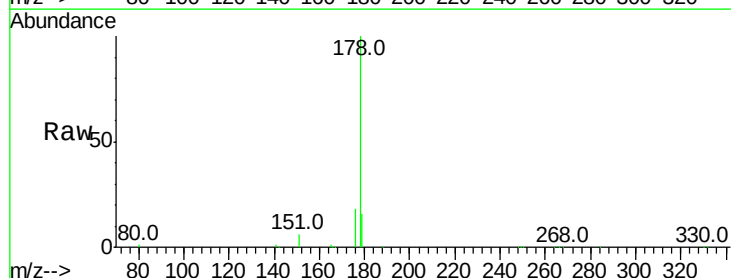
Tgt Ion:178 Resp: 18957

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

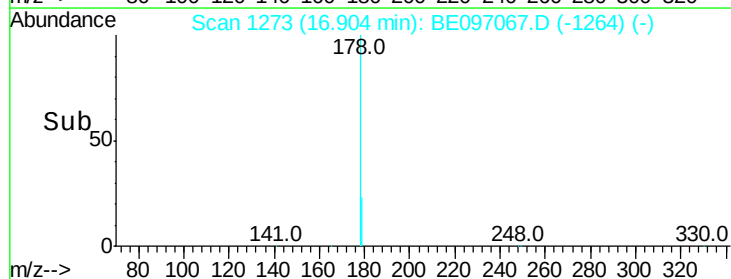
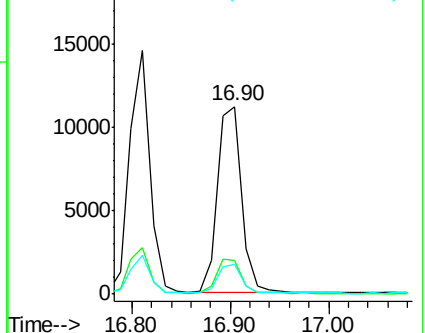
179 15.3 13.0 19.6

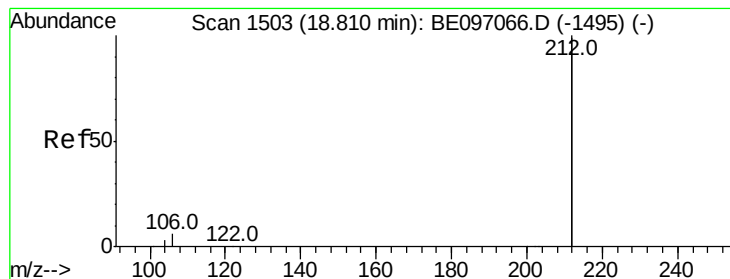


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.863 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

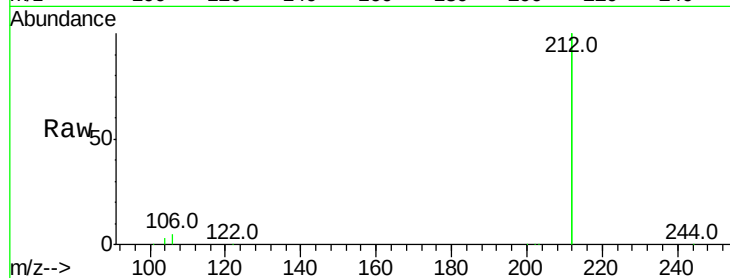
Tot Ion:212 Resp: 89428

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

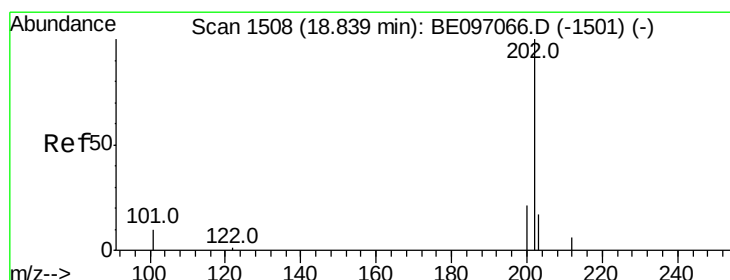
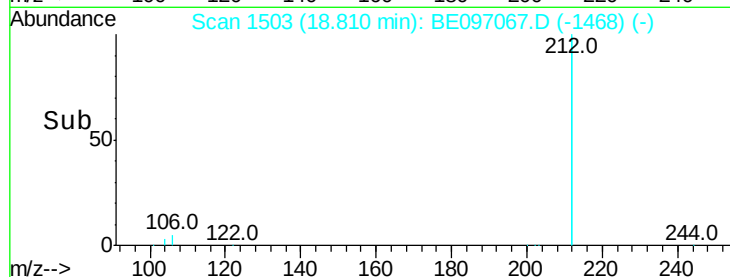
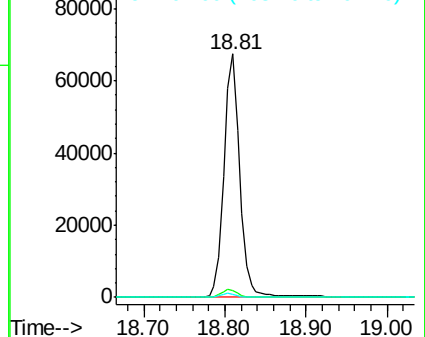
104 1.7 1.6 2.4



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: 0.802 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

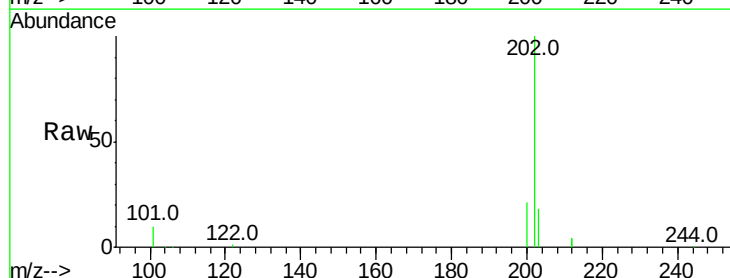
Tgt Ion:202 Resp: 24134

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

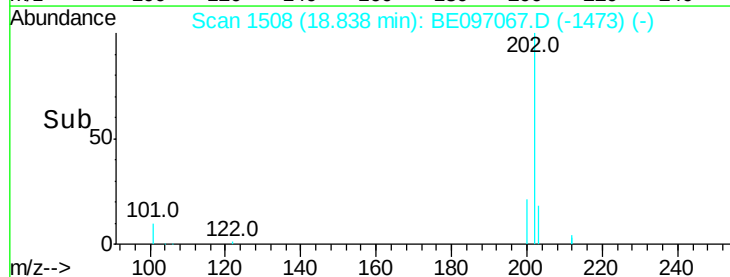
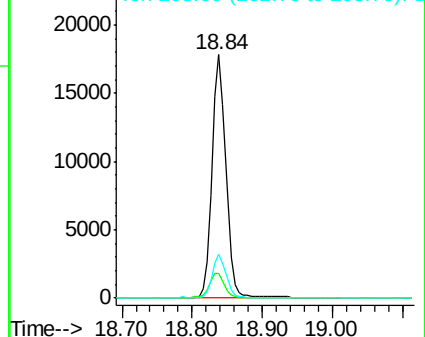
203 17.4 13.7 20.5

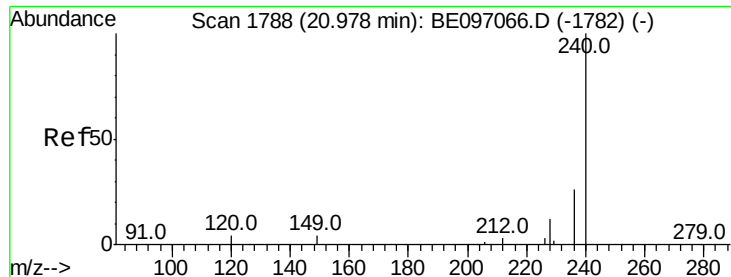


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

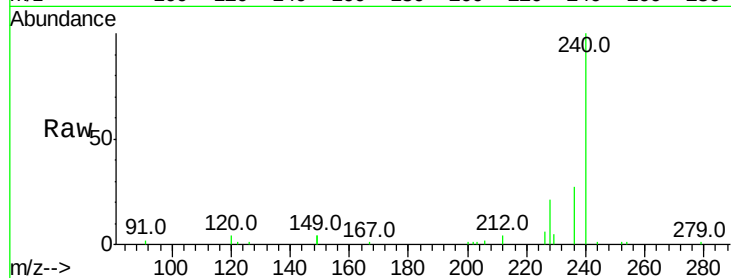




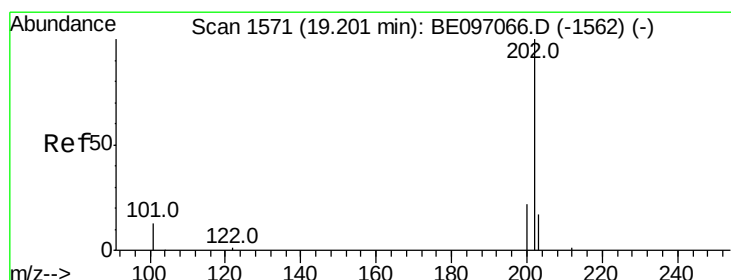
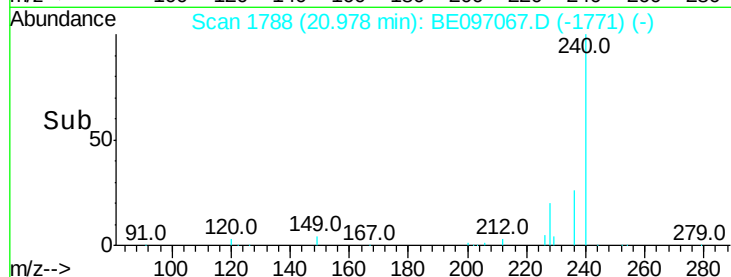
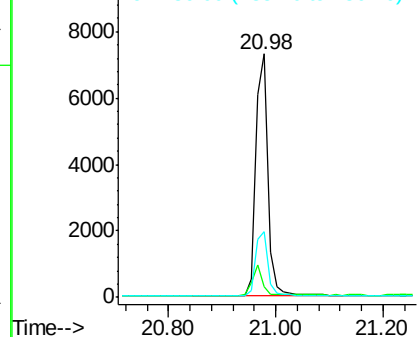
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 11566
 Ion Ratio Lower Upper
 240 100
 120 4.2 5.5 8.3#
 236 26.8 20.7 31.1

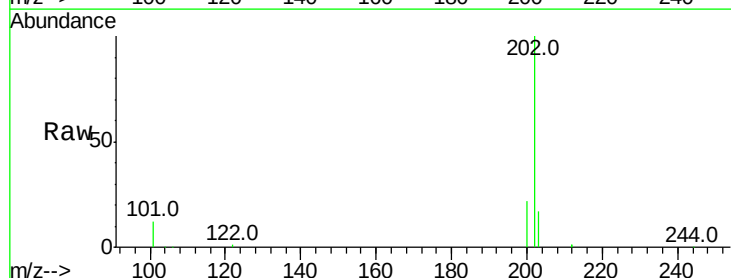


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

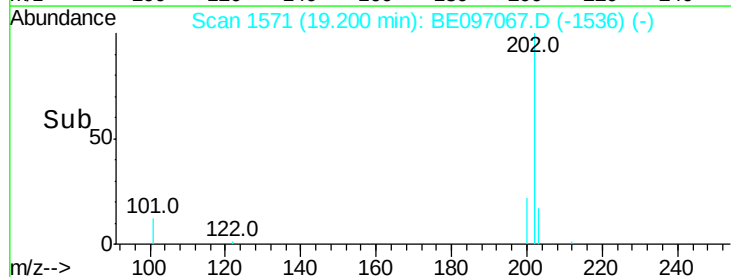
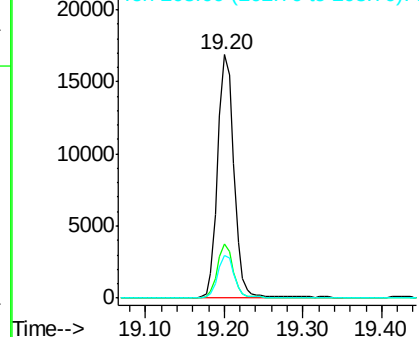


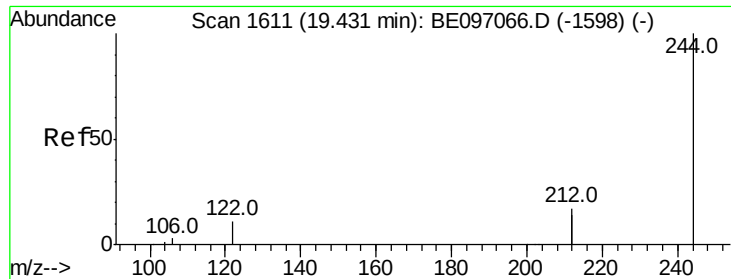
#28
 Pyrene
 Concen: 0.694 ng
 RT: 19.20 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

Tgt Ion:202 Resp: 23681
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 17.5 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

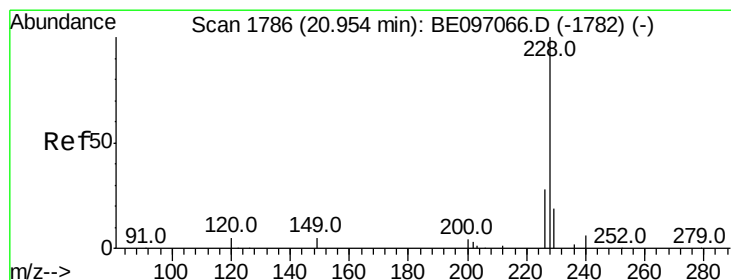
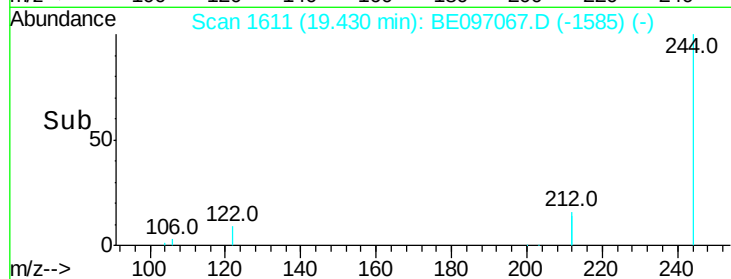
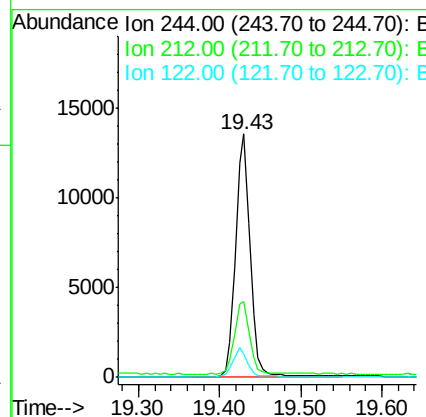
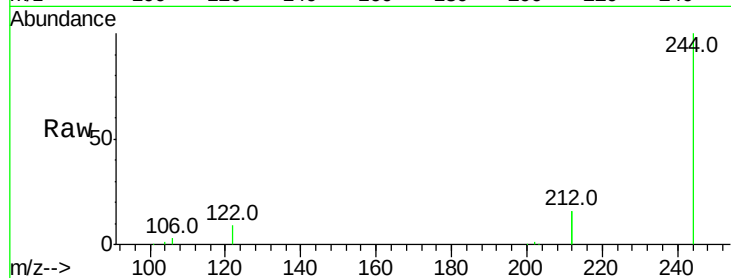




#29
 Terphenyl-d14
 Concen: 0.746 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

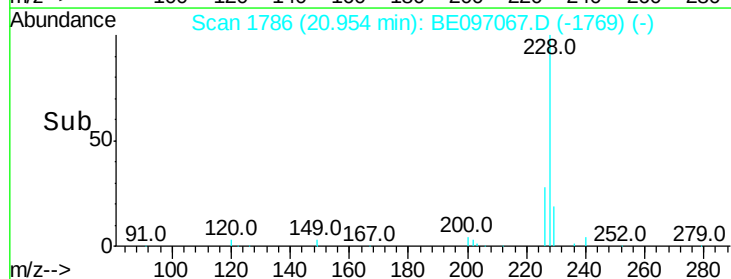
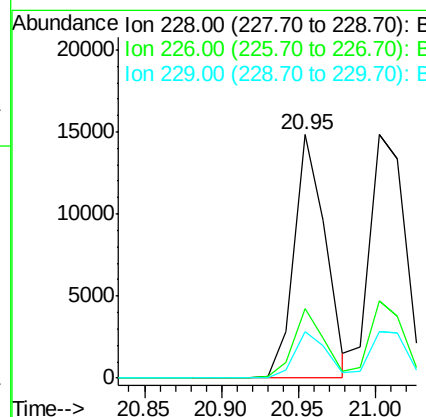
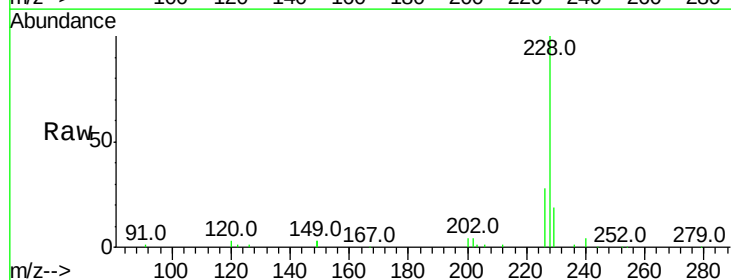
Instrument :
 BNA_E
 ClientSampleId :

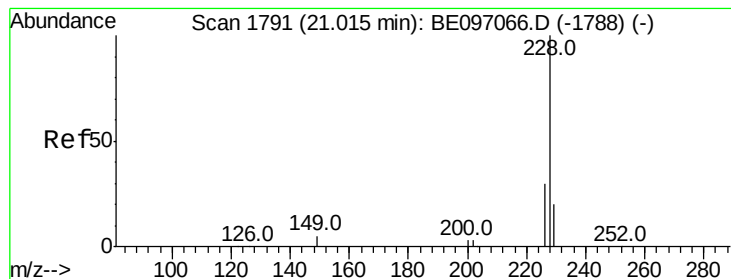
Tot Ion:244 Resp: 16650
 Ion Ratio Lower Upper
 244 100
 212 31.3 25.4 38.0
 122 9.4 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.756 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

Tgt Ion:228 Resp: 20824
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.0 36.0
 229 19.0 16.0 24.0





#31

Chrysene

Concen: 0.765 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

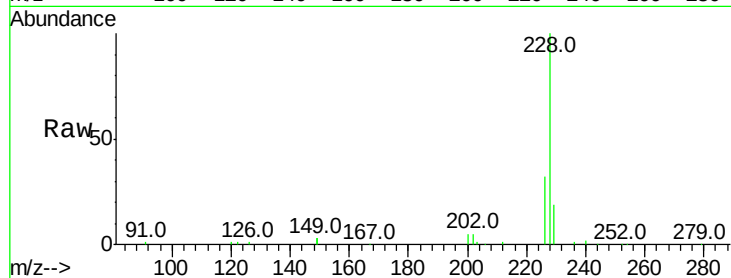
Tot Ion:228 Resp: 23628

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

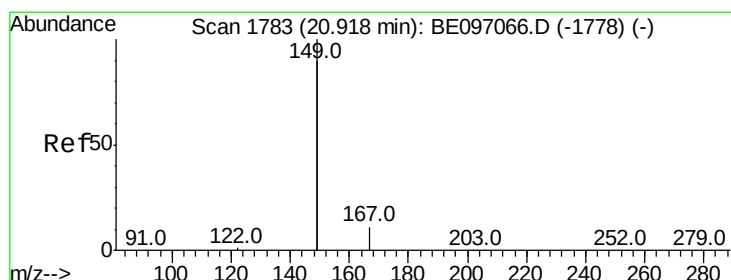
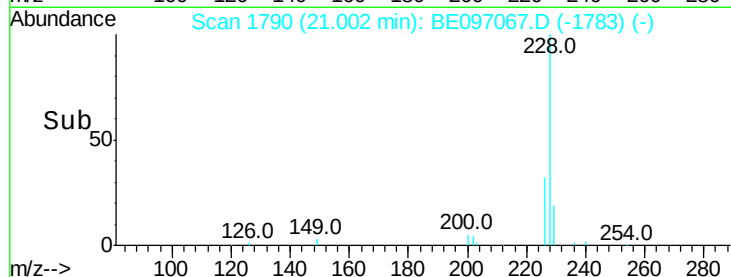
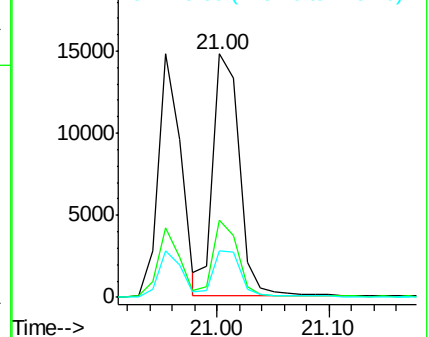
229 19.0 16.0 24.0



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: 0.833 ng

RT: 20.92 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

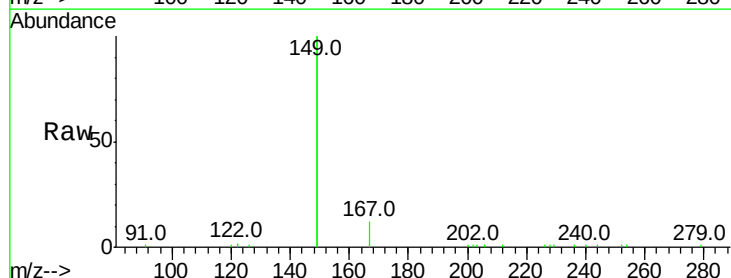
Tgt Ion:149 Resp: 22892

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

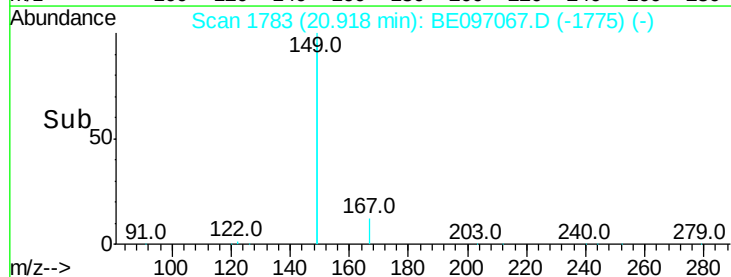
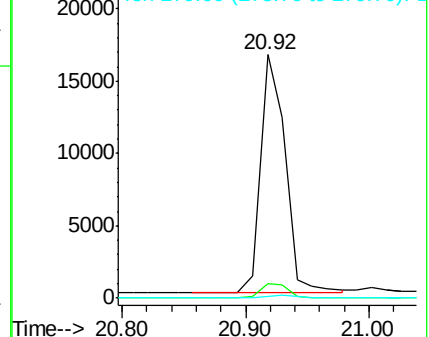
279 1.0 0.7 1.1

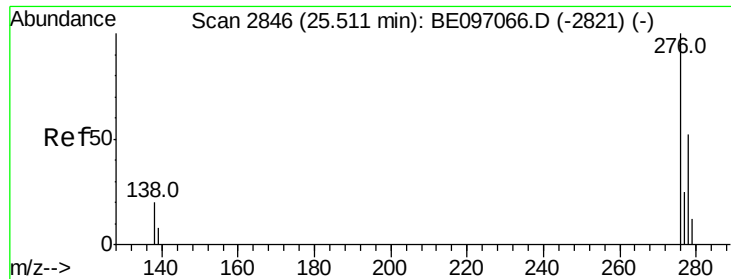


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

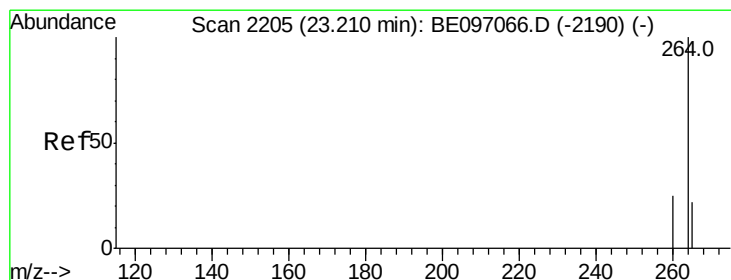
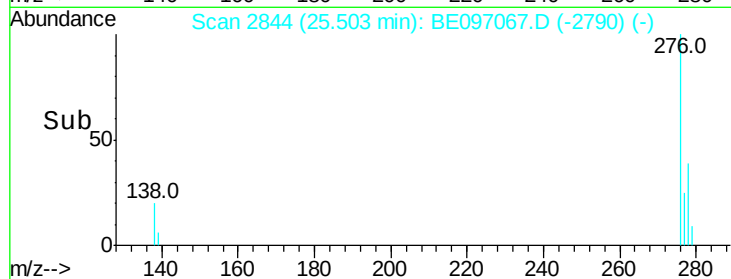
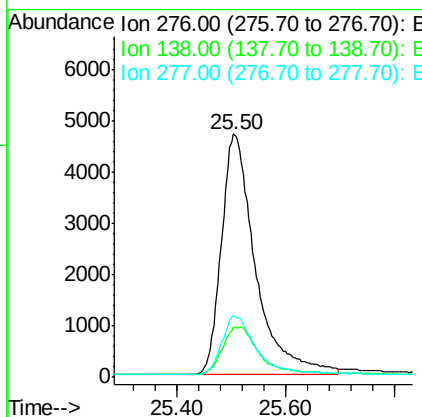
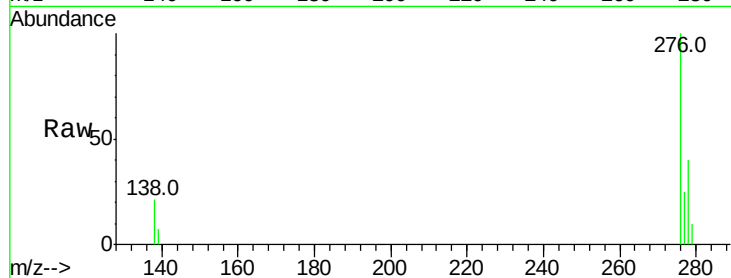




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.914 ng
 RT: 25.50 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

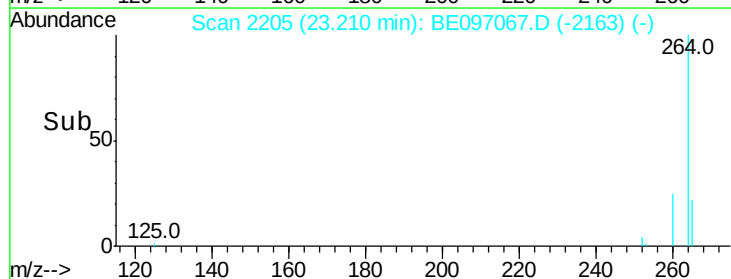
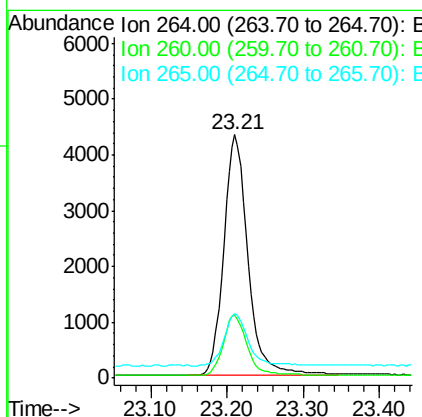
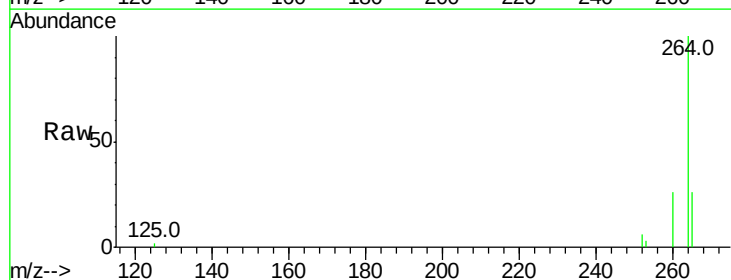
Instrument :
 BNA_E
 ClientSampleId :

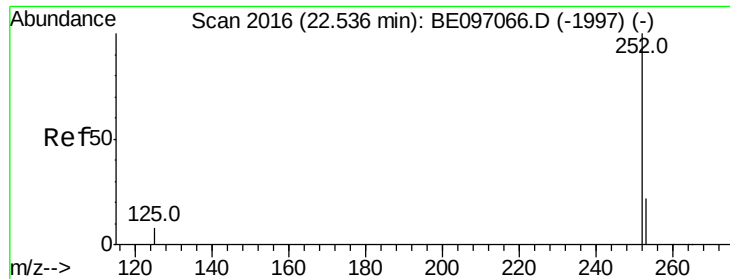
Tot Ion:276 Resp: 20563
 Ion Ratio Lower Upper
 276 100
 138 21.3 22.5 33.7#
 277 24.5 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE097067.D
 Acq: 24 Jul 2018 10:45

Tgt Ion:264 Resp: 9516
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.5 30.7
 265 26.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.734 ng

RT: 22.53 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

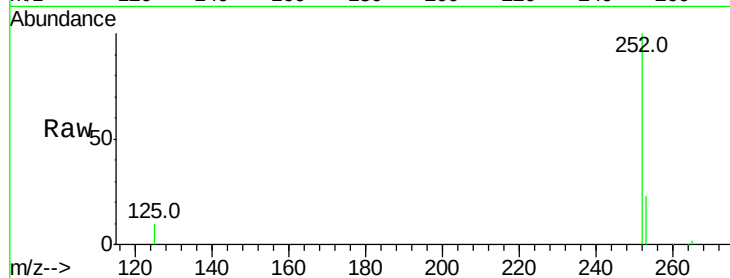
Tot Ion:252 Resp: 17833

Ion Ratio Lower Upper

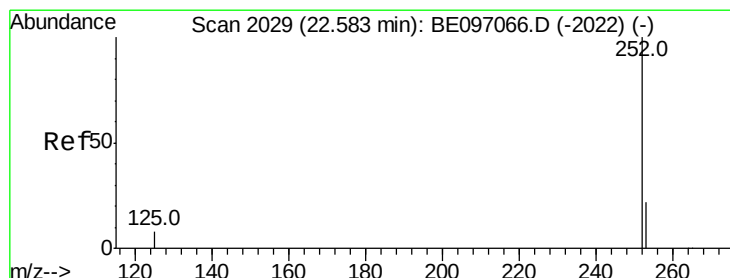
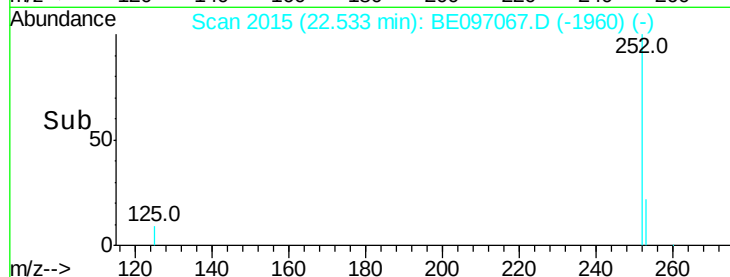
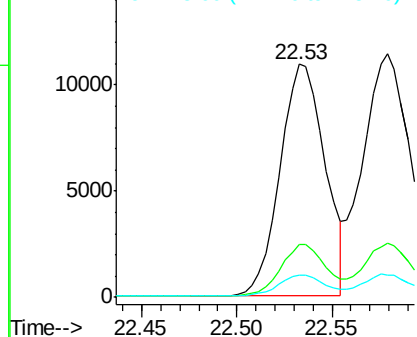
252 100

253 22.7 20.0 30.0

125 9.7 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: 0.738 ng

RT: 22.58 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

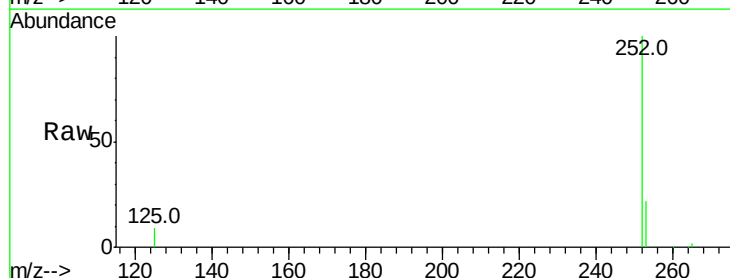
Tgt Ion:252 Resp: 21320

Ion Ratio Lower Upper

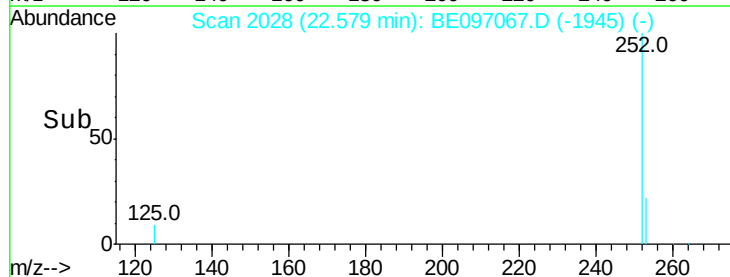
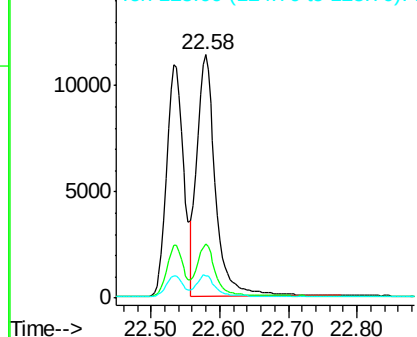
252 100

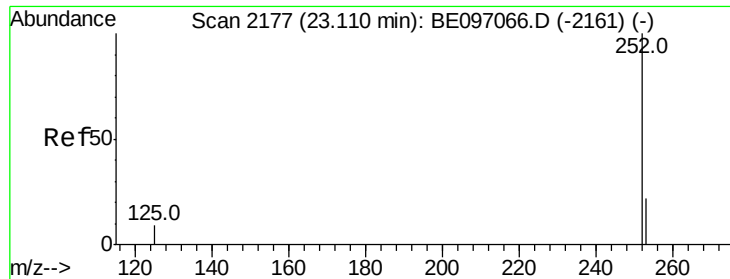
253 22.4 16.0 24.0

125 9.3 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.786 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :

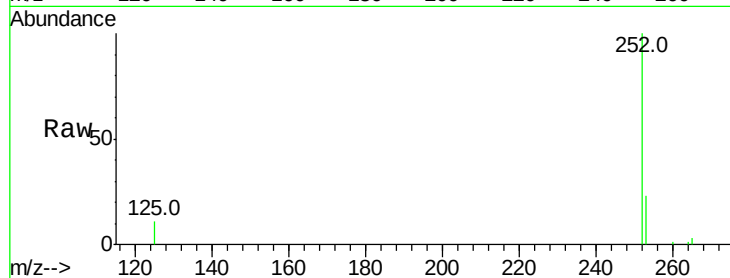
Tot Ion:252 Resp: 17077

Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

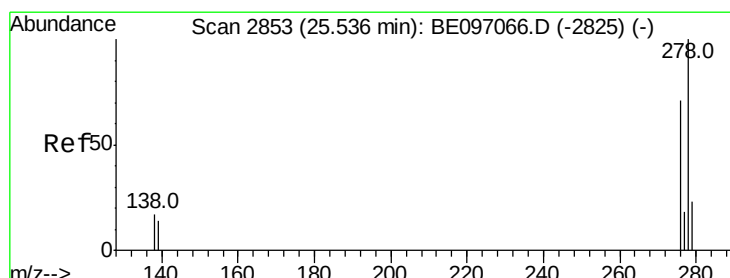
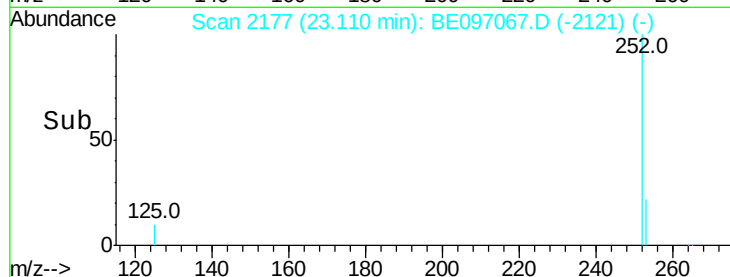
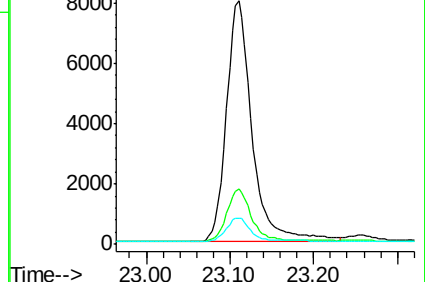
125 10.8 12.0 18.0#



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: 0.958 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

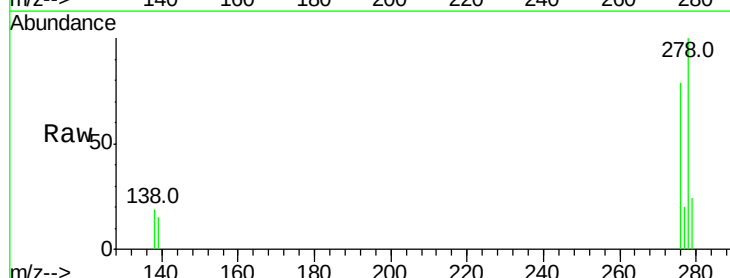
Tgt Ion:278 Resp: 16991

Ion Ratio Lower Upper

278 100

139 14.8 16.0 24.0#

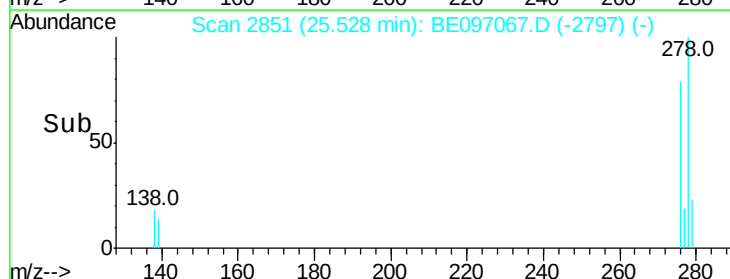
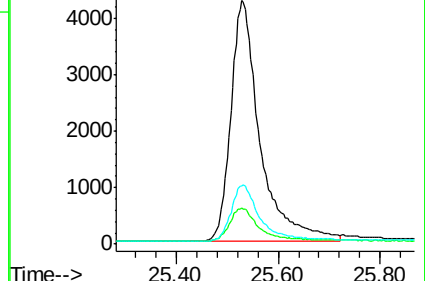
279 23.8 20.0 30.0

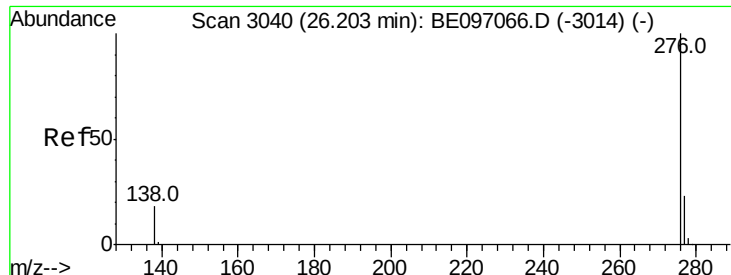


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.909 ng

RT: 26.20 min Scan# 3040

Delta R.T. -0.00 min

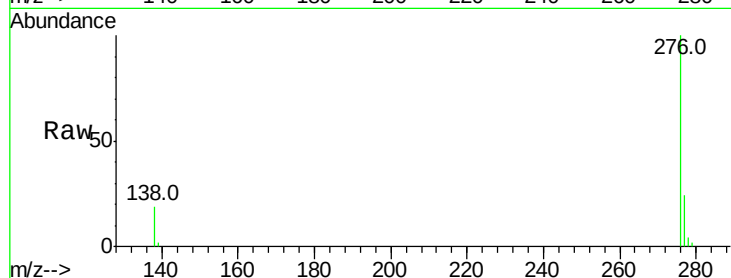
Lab File: BE097067.D

Acq: 24 Jul 2018 10:45

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 17954

Ion Ratio Lower Upper

276 100

277 23.6 16.0 24.0

138 19.2 20.0 30.0#

