

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097338.D
 Acq On : 20 Aug 2018 18:50
 Operator : SJ/JU
 Sample : PB112113BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 21 05:05:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 20 18:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	942	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3998	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	1878	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	5444	0.40	ng	0.00
27) Chrysene-d12	20.98	240	5045	0.40	ng	0.00
34) Perylene-d12	23.21	264	4160	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1333	0.62	ng	0.00
5) Phenol-d6	6.60	99	1592	0.50	ng	0.00
8) Nitrobenzene-d5	8.52	82	1058	0.62	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3571	0.66	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	227	0.61	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4214	0.55	ng	0.00
25) Fluoranthene-d10	18.81	212	30640	0.63	ng	0.00
29) Terphenyl-d14	19.43	244	5039	0.50	ng	0.00

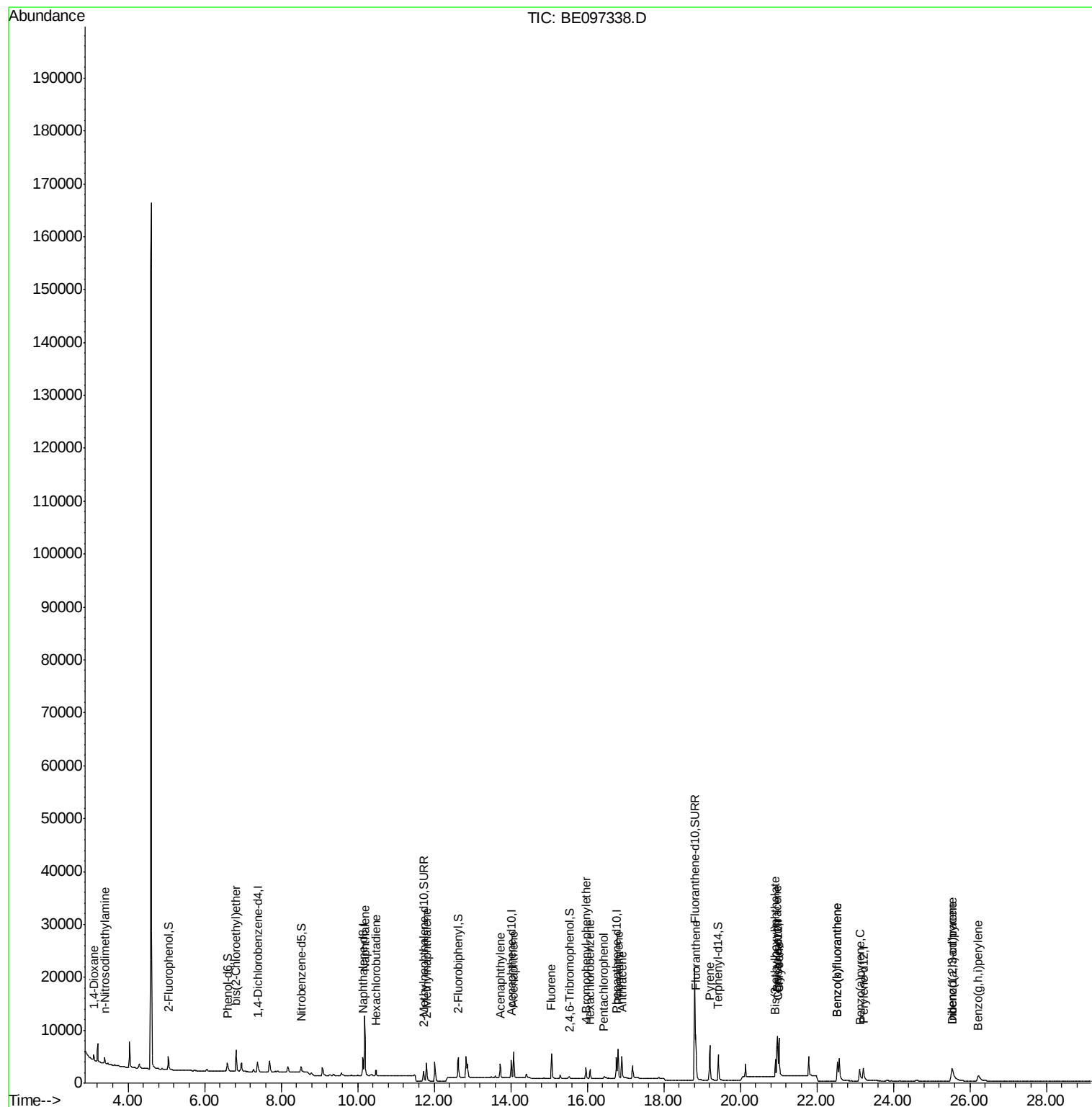
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	593	0.423	ng	88
3) n-Nitrosodimethylamine	3.38	42	748	0.574	ng	# 85
6) bis(2-Chloroethyl)ether	6.83	93	1423	0.447	ng	99
9) Naphthalene	10.18	128	18486	0.504	ng	100
10) Hexachlorobutadiene	10.48	225	759	0.471	ng	99
12) 2-Methylnaphthalene	11.80	142	2793	0.506	ng	99
16) Acenaphthylene	13.73	152	3253	0.455	ng	100
17) Acenaphthene	14.07	154	2441	0.483	ng	# 94
18) Fluorene	15.06	166	3329	0.539	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	1087	0.442	ng	90
21) Hexachlorobenzene	16.08	284	1374	0.417	ng	# 82
22) Pentachlorophenol	16.44	266	331	1.060	ng	# 82
23) Phenanthrene	16.81	178	6754	0.509	ng	98
24) Anthracene	16.90	178	5398	0.549	ng	96
26) Fluoranthene	18.84	202	7531	0.589	ng	99
28) Pyrene	19.21	202	7030	0.519	ng	99
30) Benzo(a)anthracene	20.97	228	5830	0.538	ng	96
31) Chrysene	21.01	228	7203	0.507	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	3353	0.555	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.53	276	5685	0.629	ng	# 91
35) Benzo(b)fluoranthene	22.54	252	5176	0.472	ng	# 89
36) Benzo(k)fluoranthene	22.54	252	5176	0.336	ng	94
37) Benzo(a)pyrene	23.12	252	5243	0.525	ng	# 91
38) Dibenzo(a,h)anthracene	25.54	278	4573	0.536	ng	96
39) Benzo(g,h,i)perylene	26.22	276	4502	0.523	ng	# 92

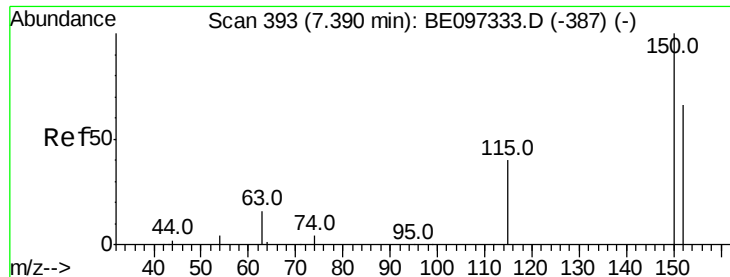
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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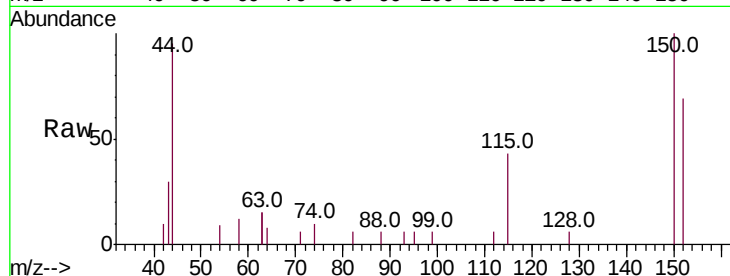


#1

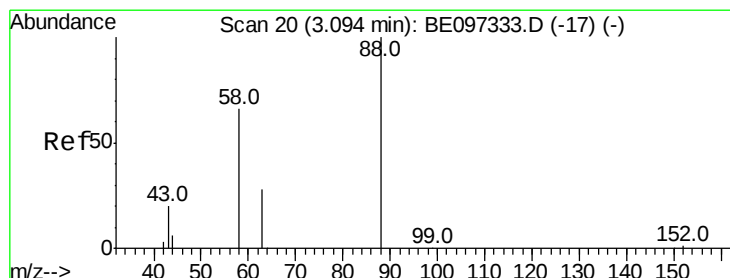
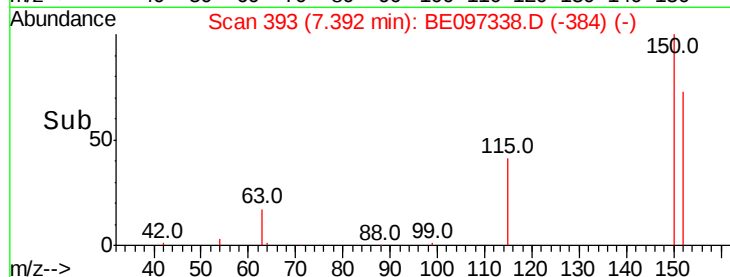
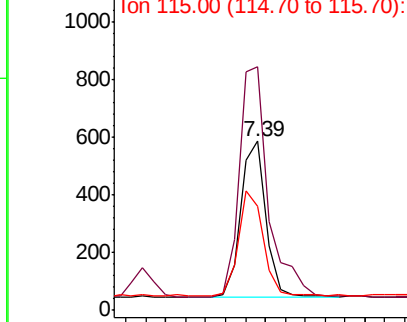
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 942
Ion Ratio Lower Upper
152 100
150 144.2 117.2 175.8
115 61.4 57.0 85.6



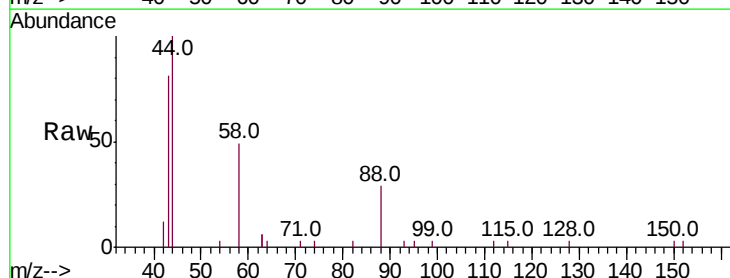
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



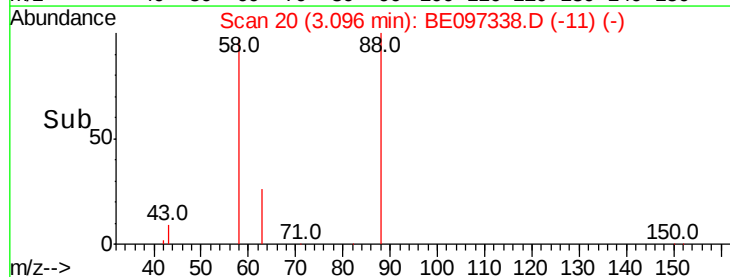
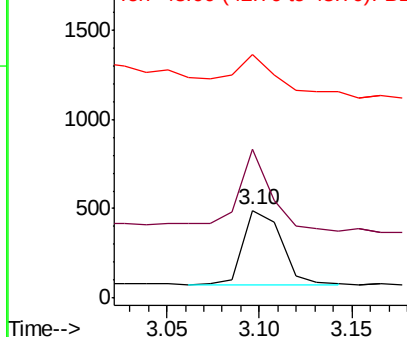
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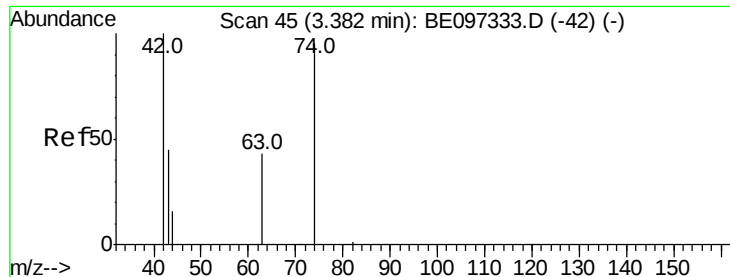
1,4-Dioxane
Concen: 0.423 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion: 88 Resp: 593
Ion Ratio Lower Upper
88 100
58 92.6 63.2 94.8
43 47.2 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



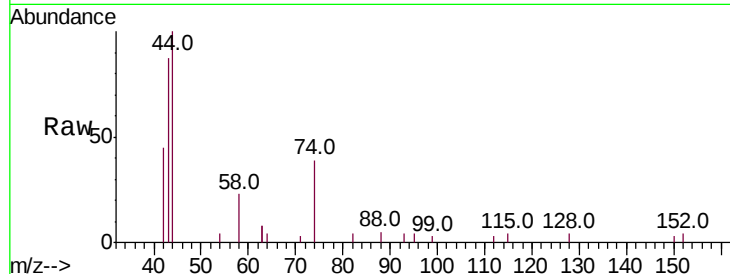


#3

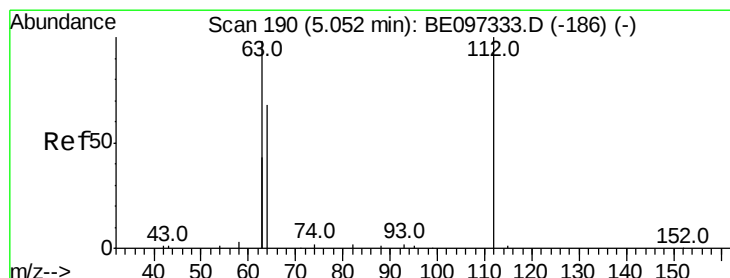
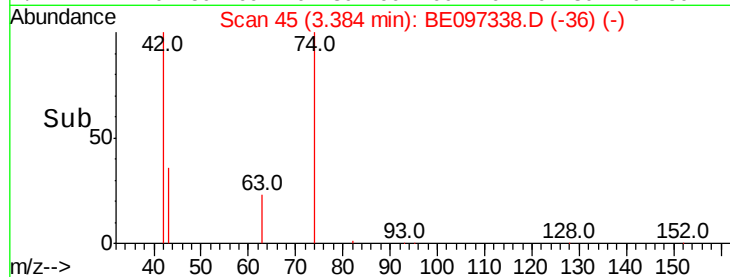
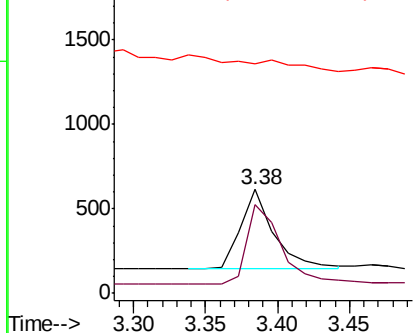
n-Nitrosodimethylamine
 Concen: 0.574 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE097338.D
 Acq: 20 Aug 2018 18:50

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 748
 Ion Ratio Lower Upper
 42 100
 74 106.4 96.0 144.0
 44 0.0 12.0 18.0#



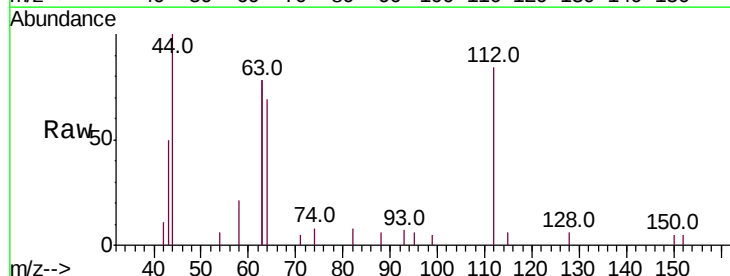
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



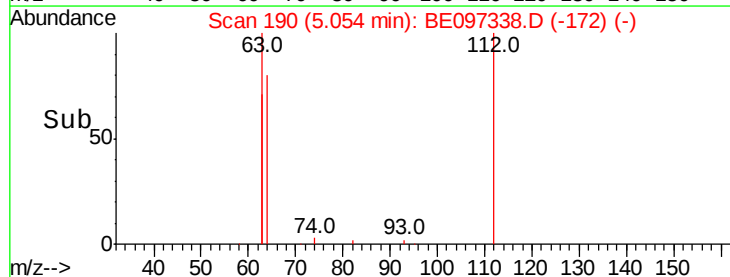
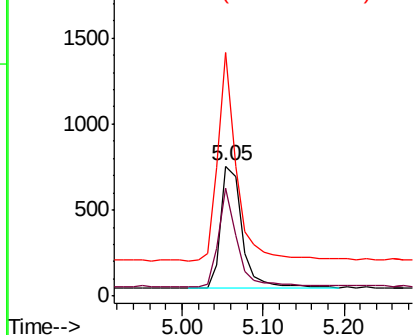
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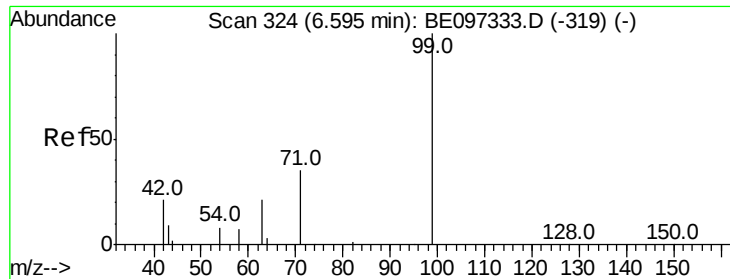
2-Fluorophenol
 Concen: 0.618 ng
 RT: 5.05 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: BE097338.D
 Acq: 20 Aug 2018 18:50

Tgt Ion: 112 Resp: 1333
 Ion Ratio Lower Upper
 112 100
 64 72.5 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: 0.497 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

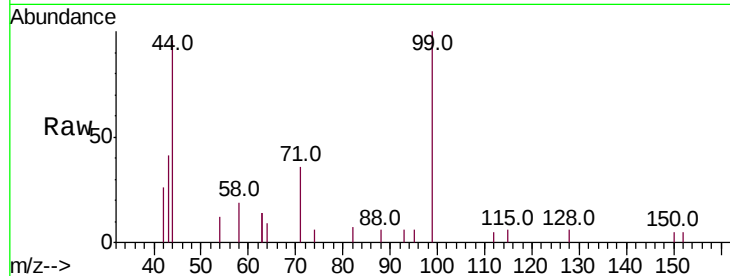
Tot Ion: 99 Resp: 1592

Ion Ratio Lower Upper

99 100

42 23.4 20.2 30.2

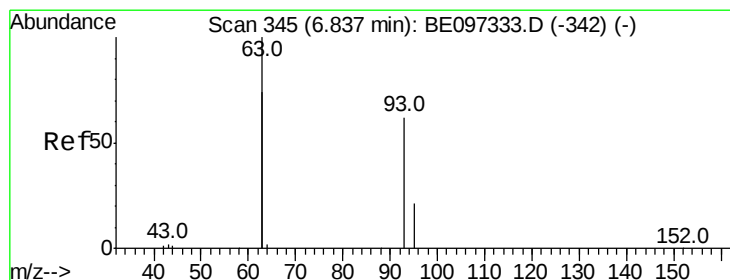
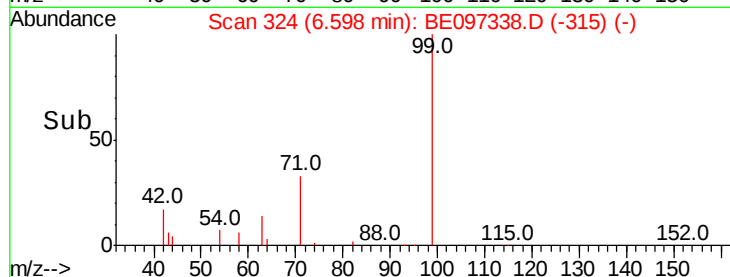
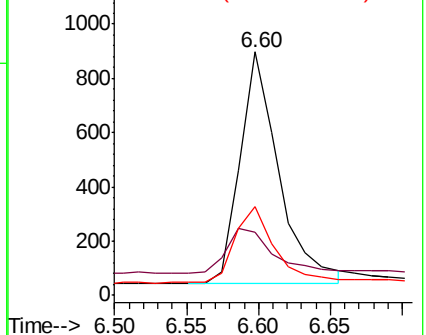
71 34.4 28.4 42.6



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: 0.447 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

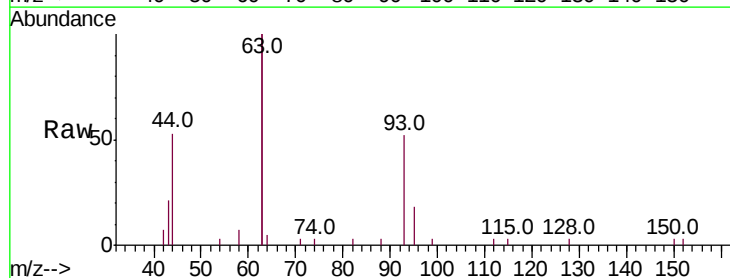
Tgt Ion: 93 Resp: 1423

Ion Ratio Lower Upper

93 100

63 341.6 275.3 412.9

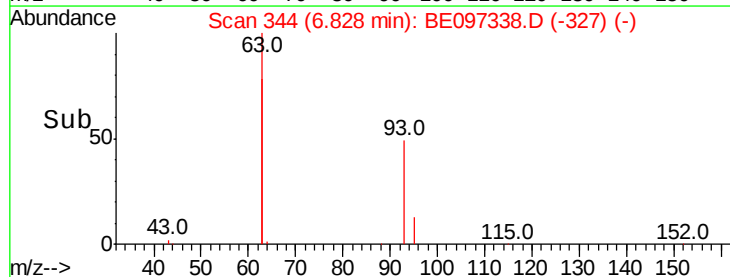
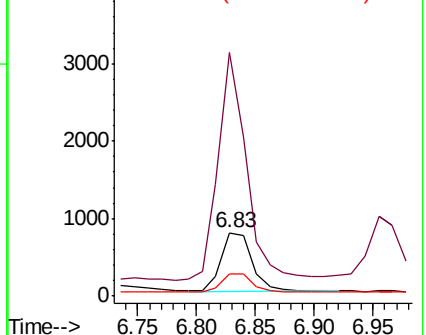
95 31.8 25.2 37.8

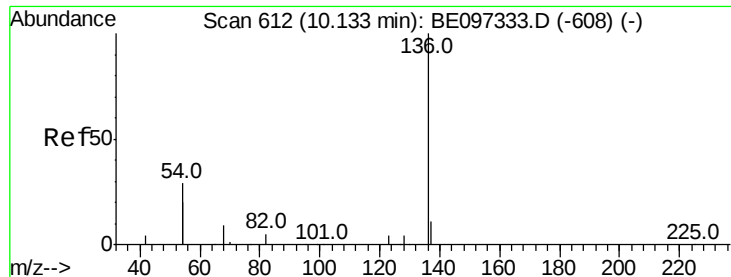


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3998

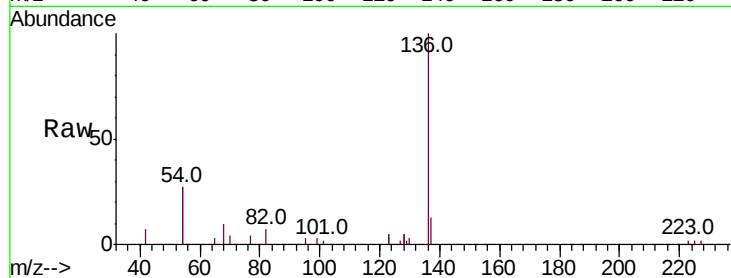
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 54.9 29.1 43.7#

68 10.2 6.2 9.2#



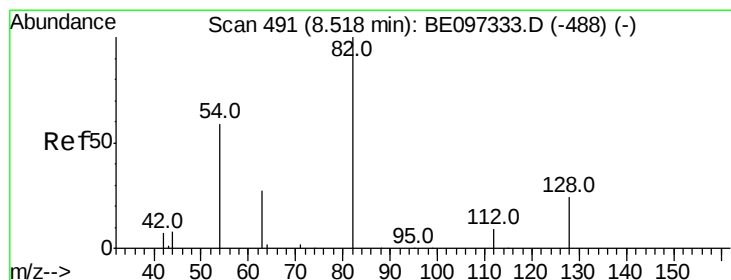
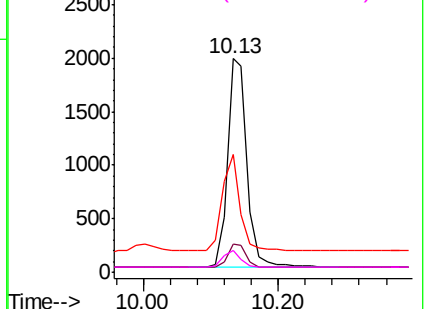
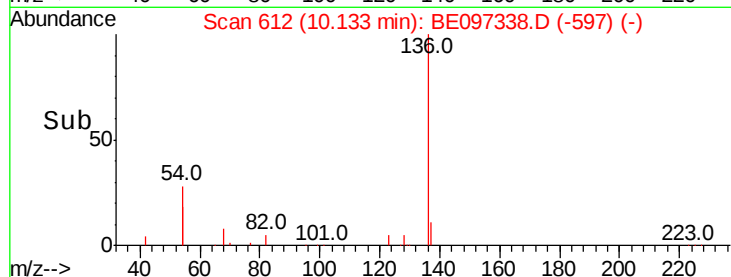
Abundance

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: 0.619 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

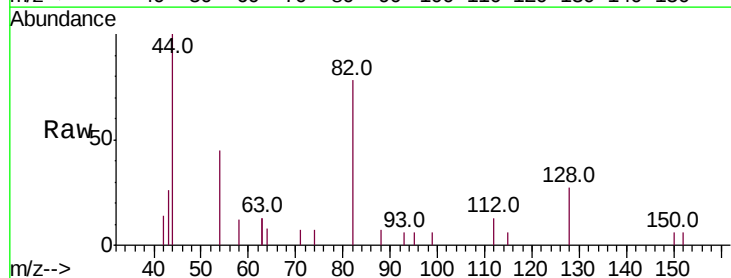
Tgt Ion: 82 Resp: 1058

Ion Ratio Lower Upper

82 100

128 33.9 24.0 36.0

54 57.9 40.0 60.0

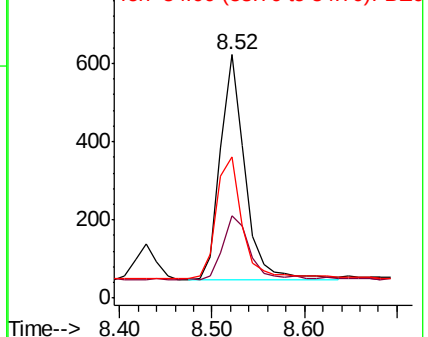
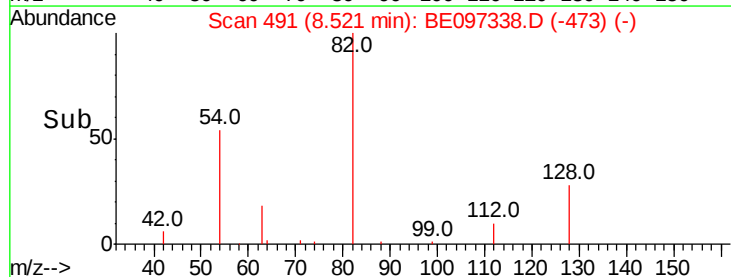


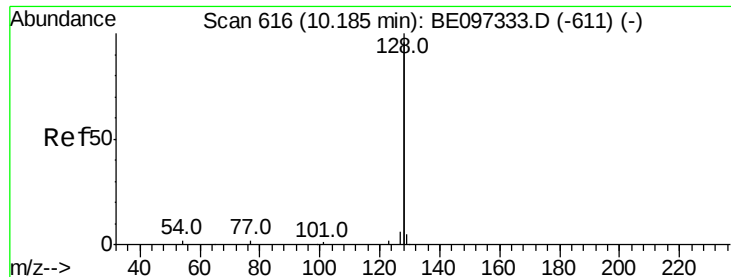
Abundance

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: 0.504 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

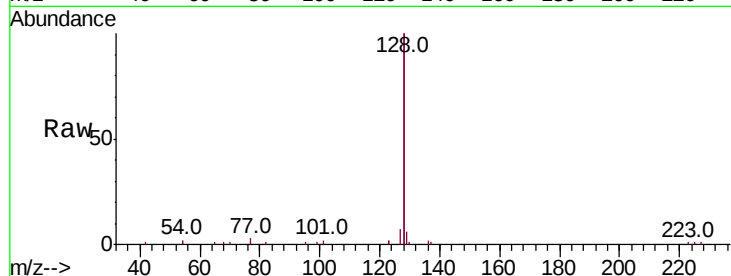
Tot Ion:128 Resp: 18486

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

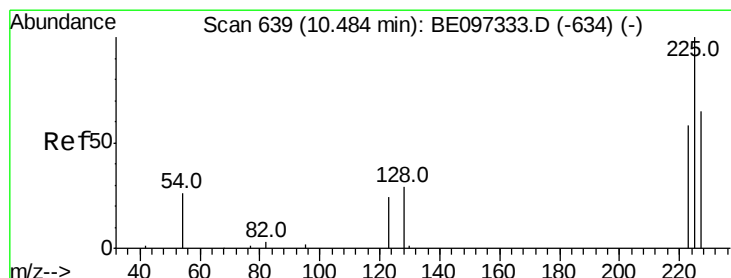
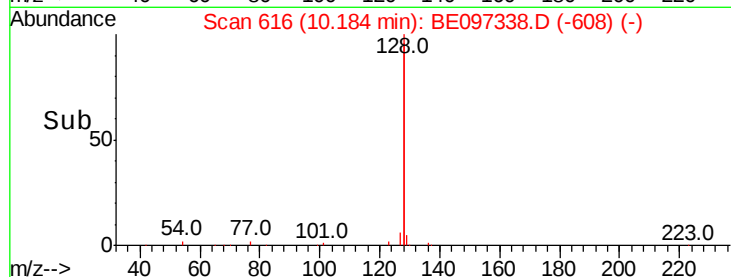
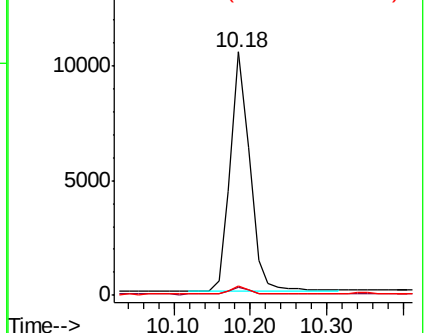
127 3.6 2.8 4.2



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: 0.471 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

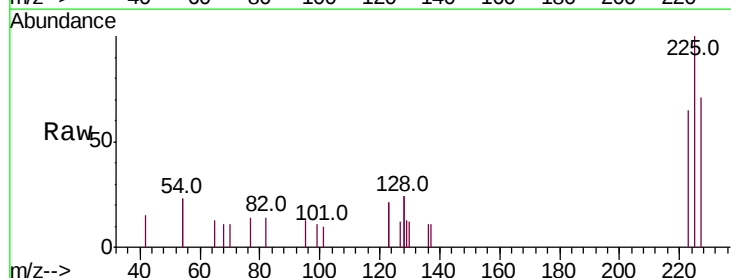
Tgt Ion:225 Resp: 759

Ion Ratio Lower Upper

225 100

223 65.9 53.0 79.6

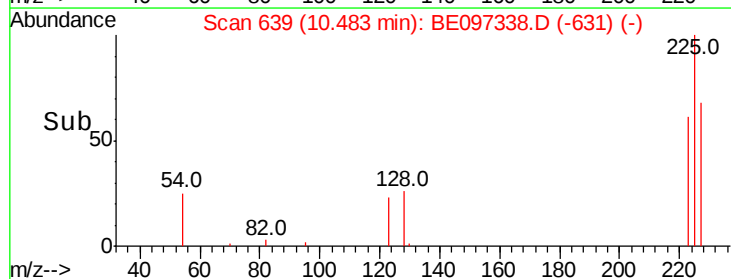
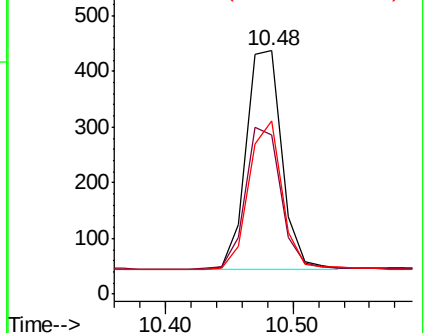
227 63.6 51.4 77.2

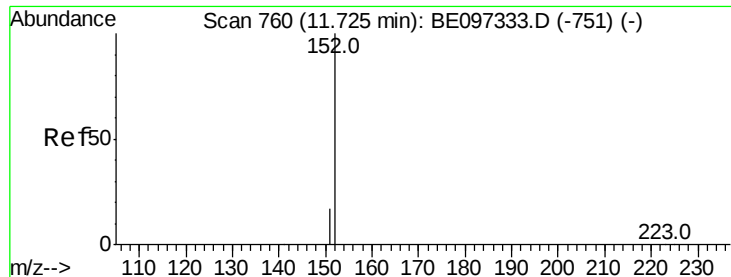


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

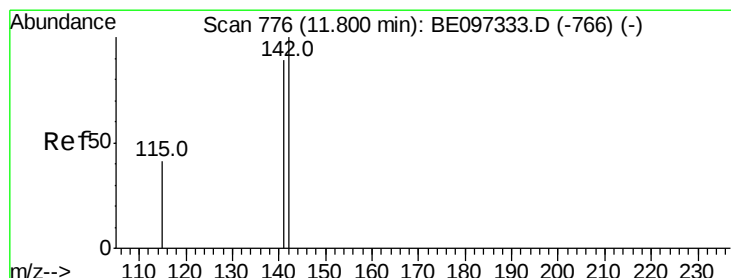
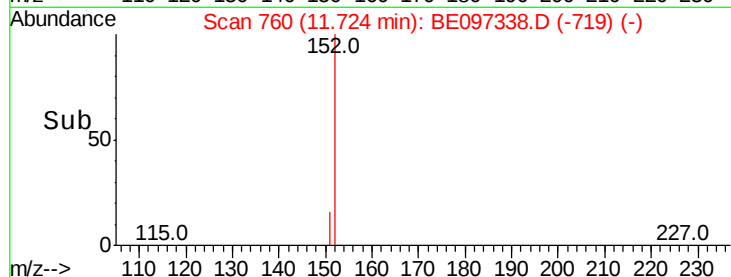
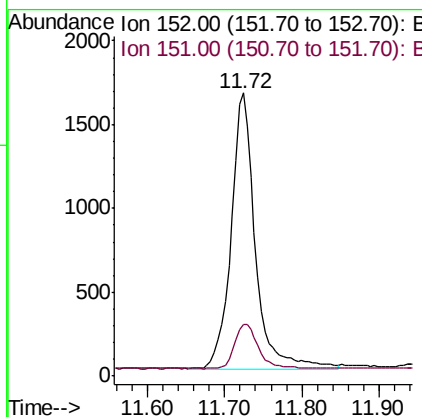
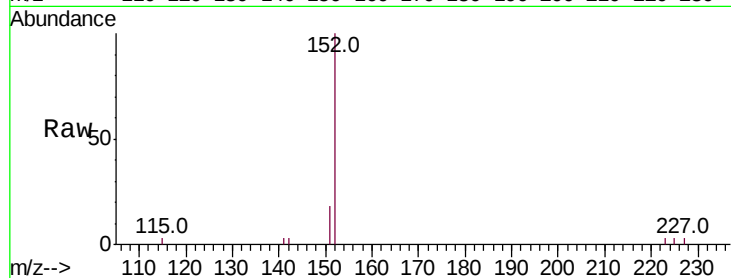




#11
 2-Methylnaphthalene-d10
 Concen: 0.661 ng
 RT: 11.72 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BE097338.D
 Acq: 20 Aug 2018 18:50

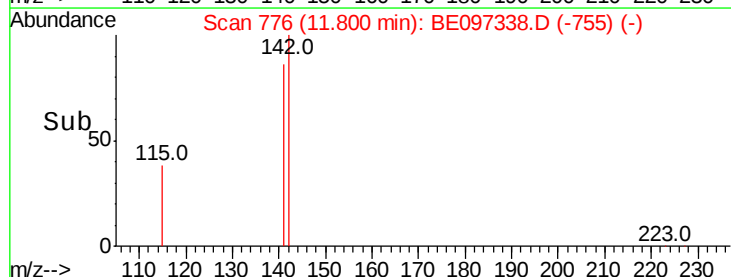
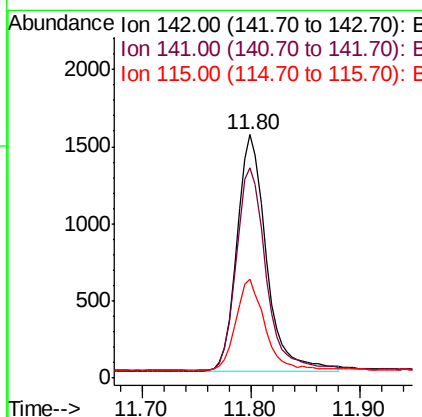
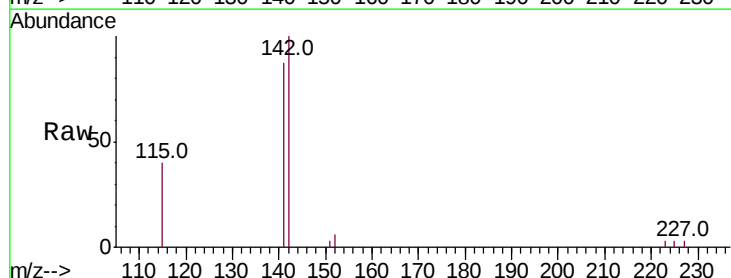
Instrument :
 BNA_E
 ClientSampleId :

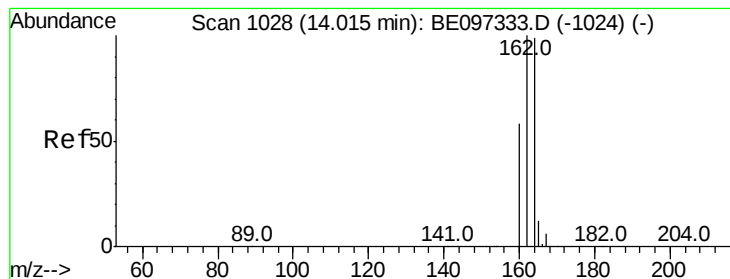
Tot Ion:152 Resp: 3571
 Ion Ratio Lower Upper
 152 100
 151 16.1 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.506 ng
 RT: 11.80 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BE097338.D
 Acq: 20 Aug 2018 18:50

Tgt Ion:142 Resp: 2793
 Ion Ratio Lower Upper
 142 100
 141 86.6 70.4 105.6
 115 40.4 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: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

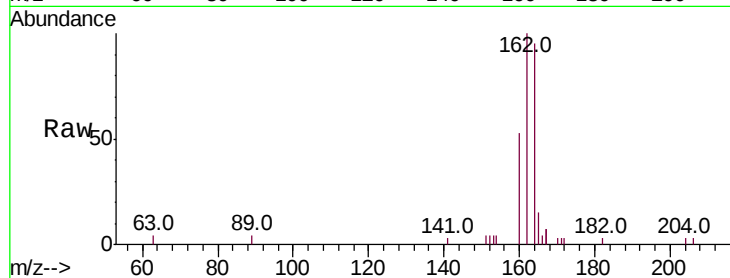
Tot Ion:164 Resp: 1878

Ion Ratio Lower Upper

164 100

162 105.7 83.1 124.7

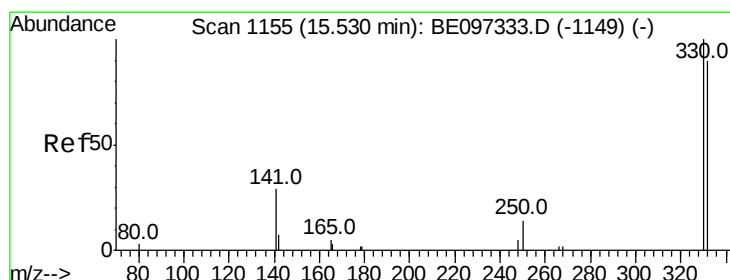
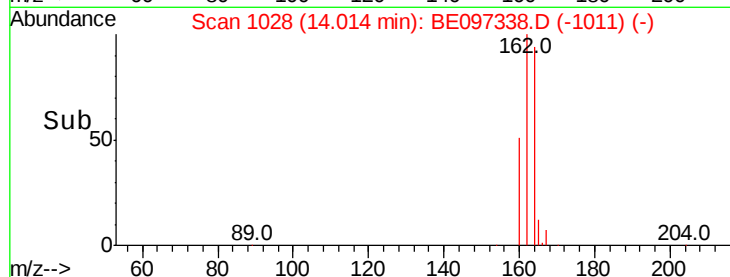
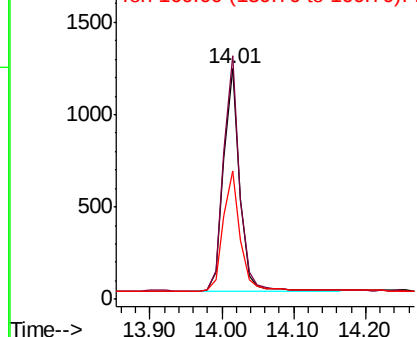
160 56.0 37.1 55.7#



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: 0.611 ng

RT: 15.53 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

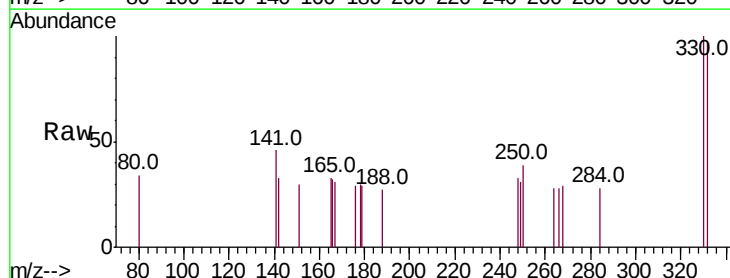
Tgt Ion:330 Resp: 227

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

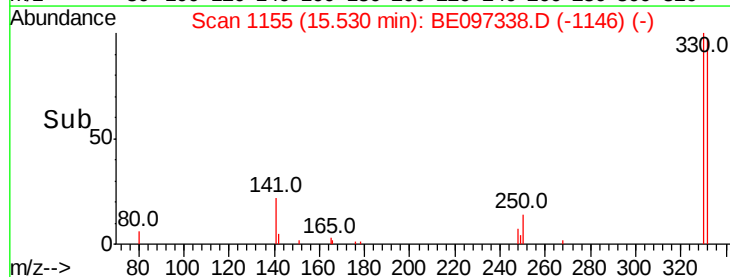
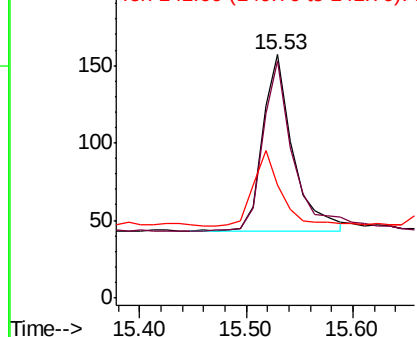
141 40.5 33.7 50.5

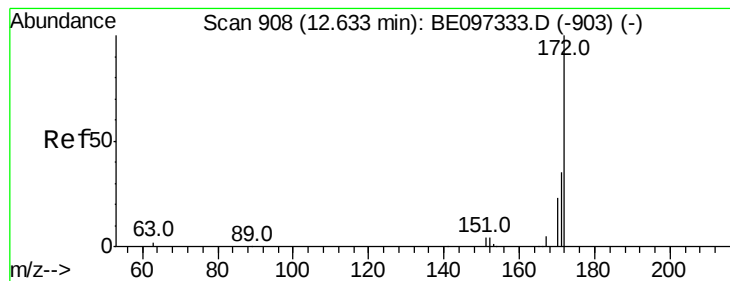


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

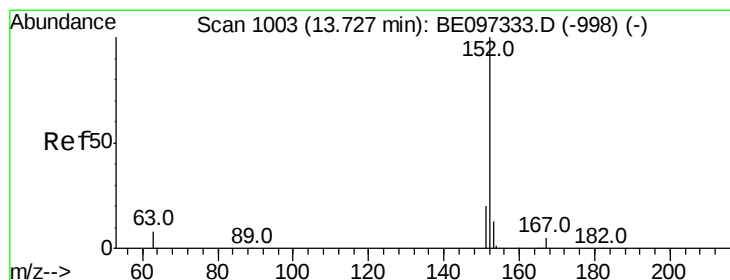
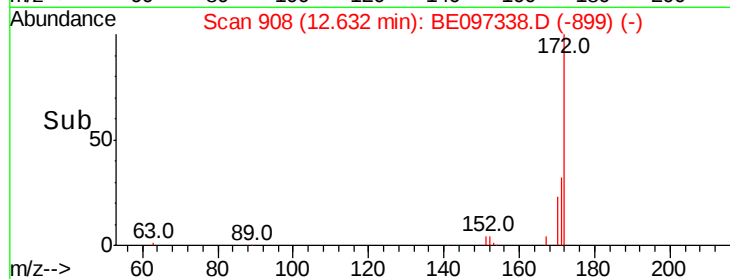
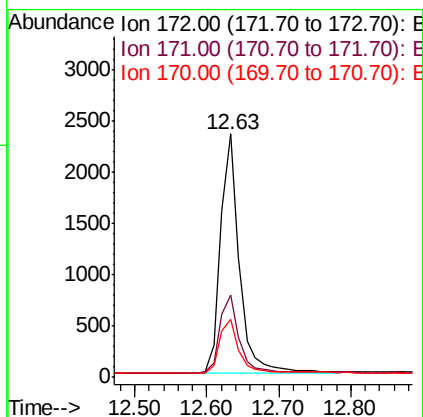
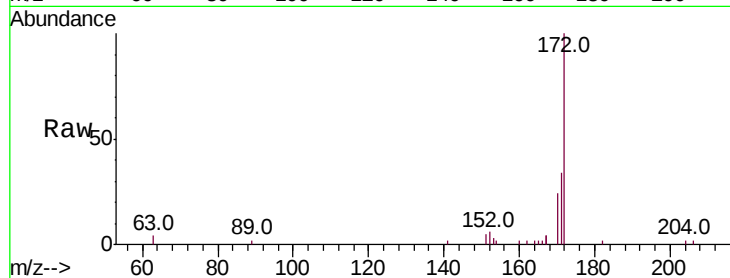




#15
2-Fluorobiphenyl
Concen: 0.547 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

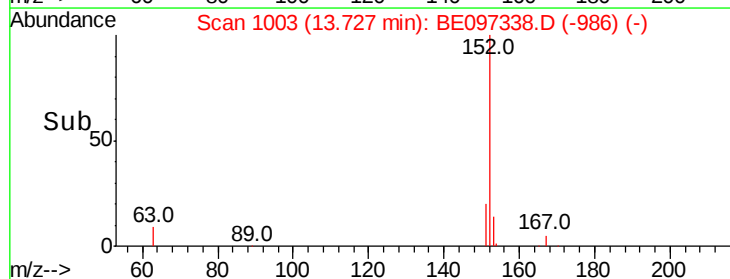
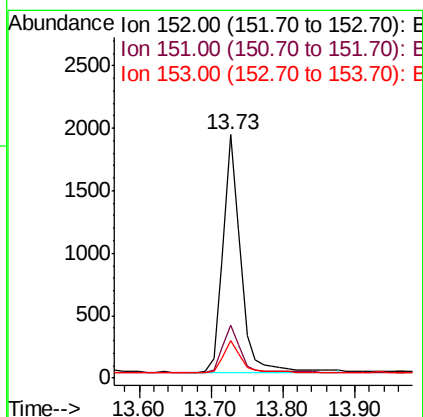
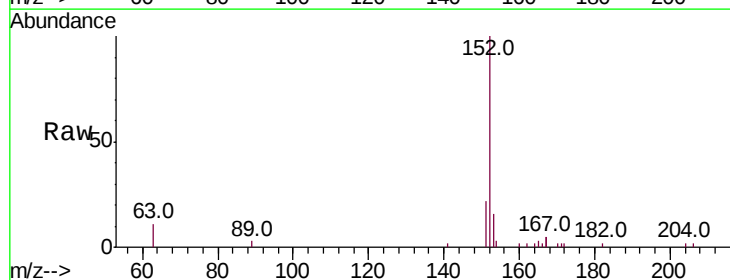
Instrument :
BNA_E
ClientSampleId :

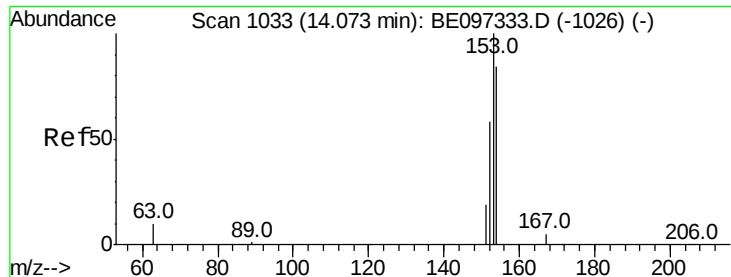
Tot Ion:172 Resp: 4214
Ion Ratio Lower Upper
172 100
171 33.7 29.9 44.9
170 24.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.455 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:152 Resp: 3253
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.483 ng

RT: 14.07 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

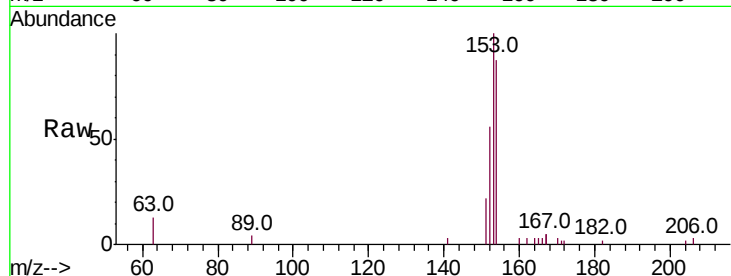
Tot Ion:154 Resp: 2441

Ion Ratio Lower Upper

154 100

153 113.6 89.2 133.8

152 63.5 42.0 63.0#

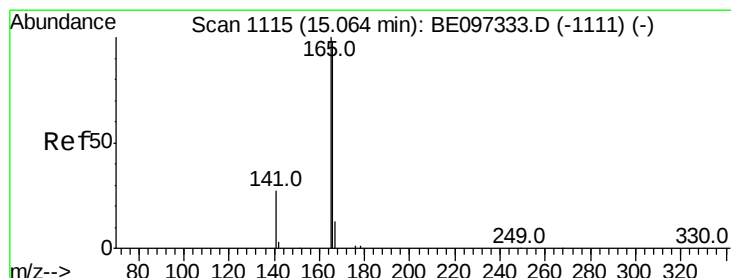
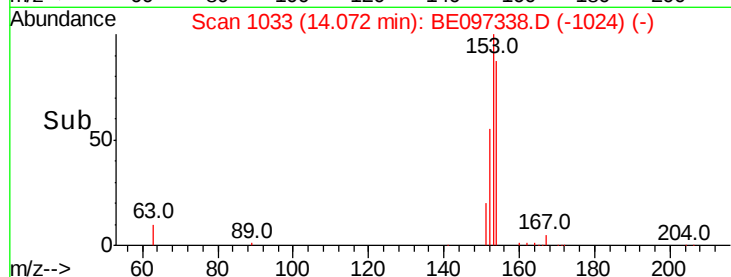
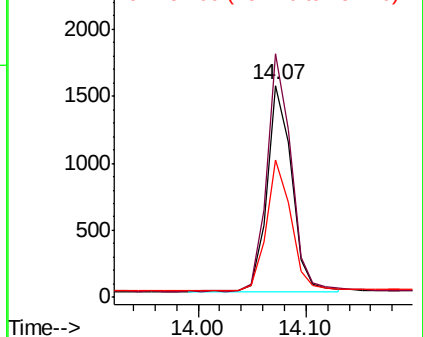


Abundance

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: 0.539 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

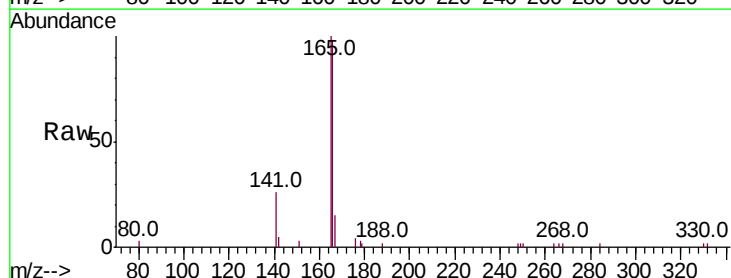
Tgt Ion:166 Resp: 3329

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.6

167 12.9 42.4 63.6#

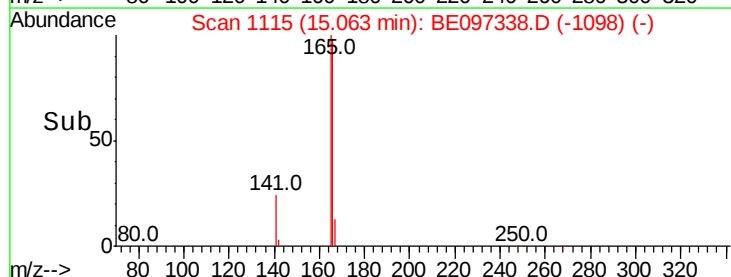
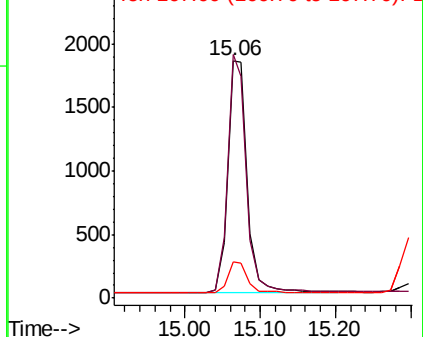


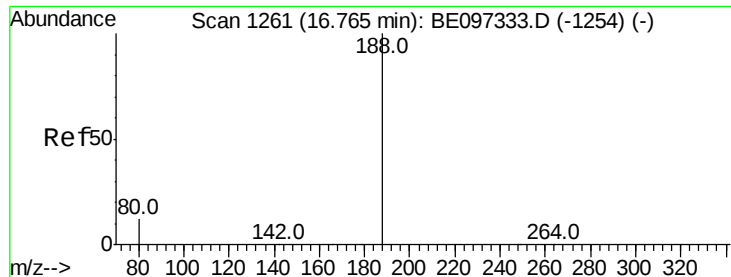
Abundance

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: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

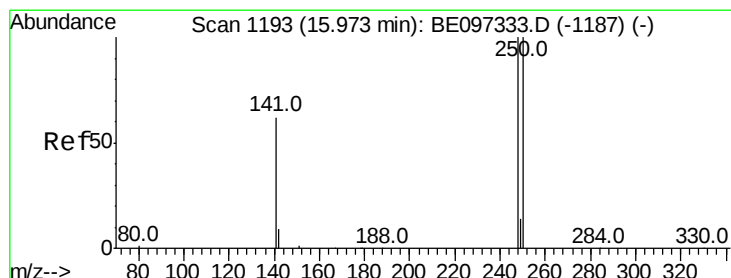
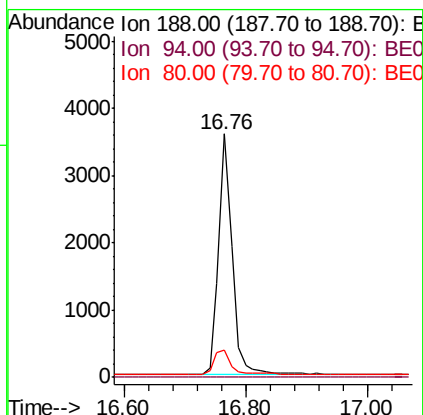
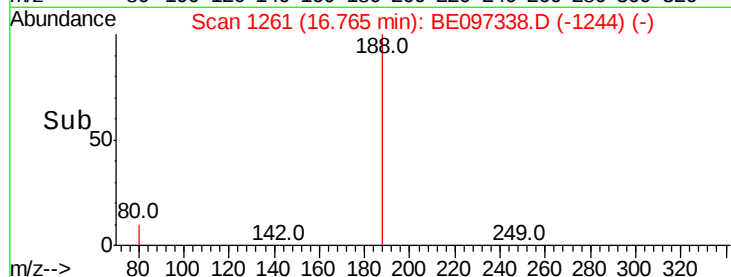
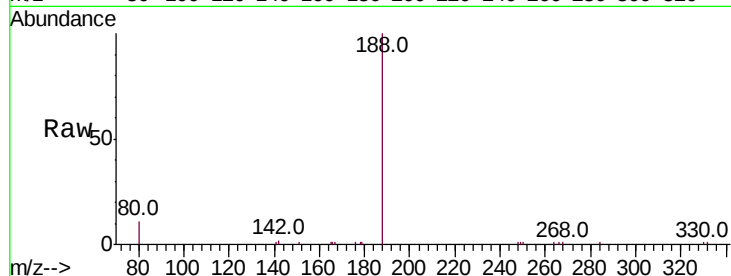
Tot Ion:188 Resp: 5444

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 11.5 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.442 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

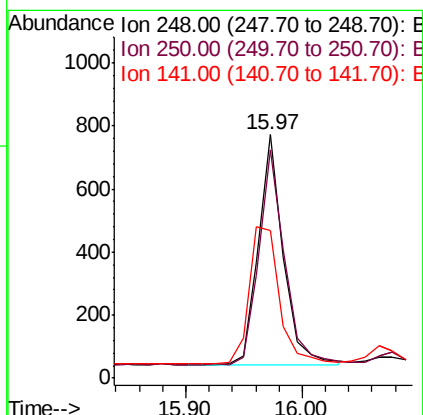
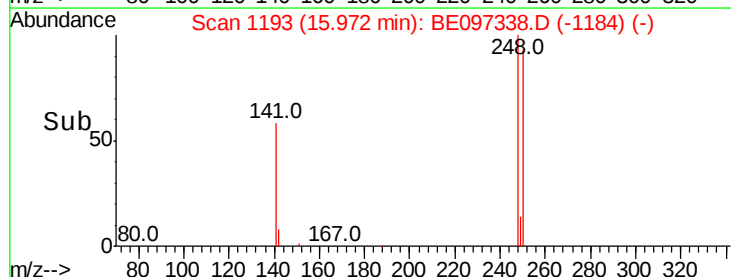
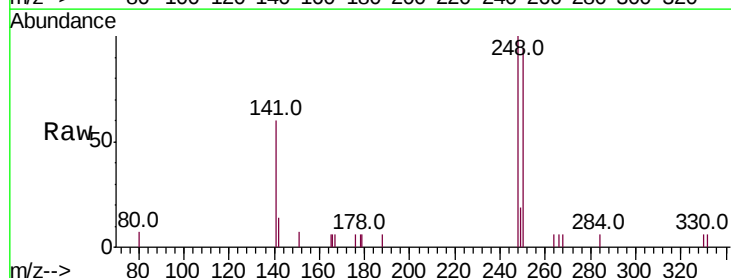
Tgt Ion:248 Resp: 1087

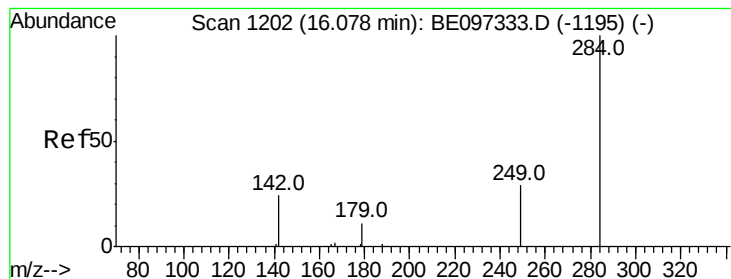
Ion Ratio Lower Upper

248 100

250 93.7 62.7 94.1

141 60.5 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.417 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

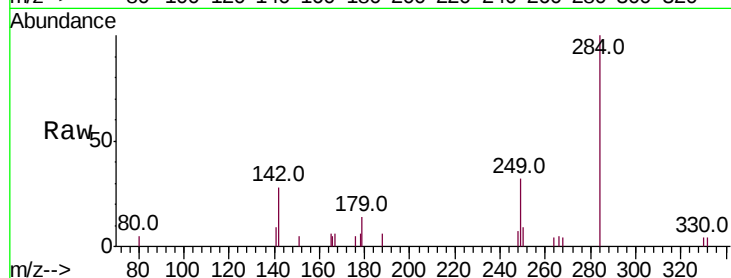
Tot Ion:284 Resp: 1374

Ion Ratio Lower Upper

284 100

142 34.8 22.1 33.1#

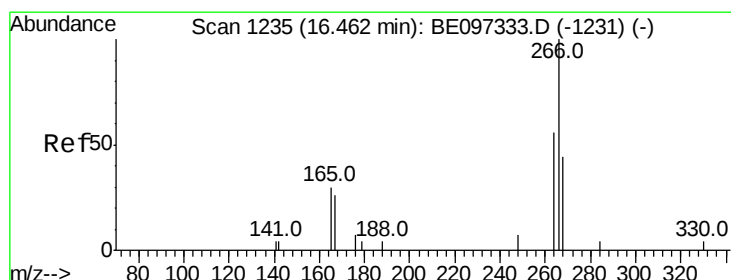
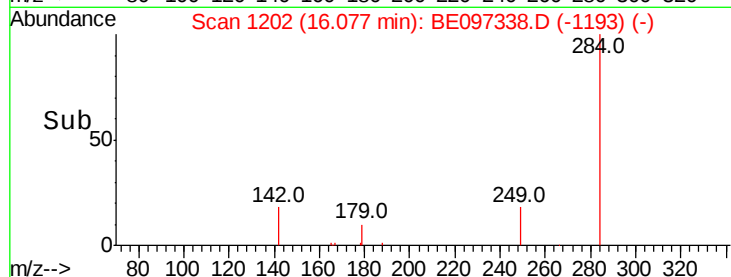
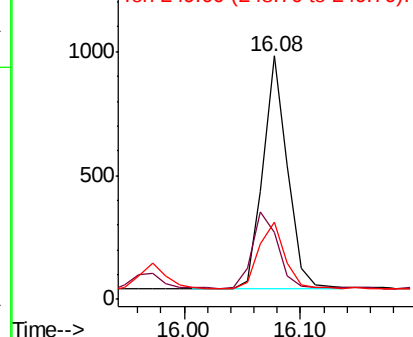
249 30.1 34.8 52.2#



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: 1.060 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.02 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

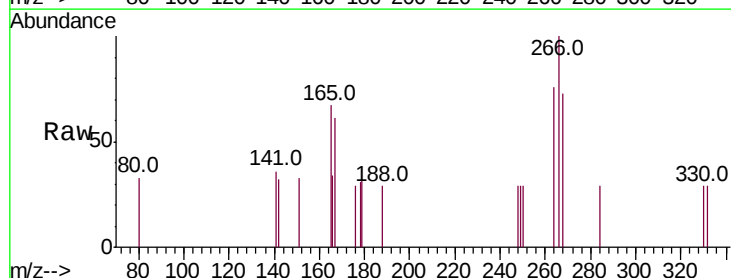
Tgt Ion:266 Resp: 331

Ion Ratio Lower Upper

266 100

264 75.8 72.5 108.7

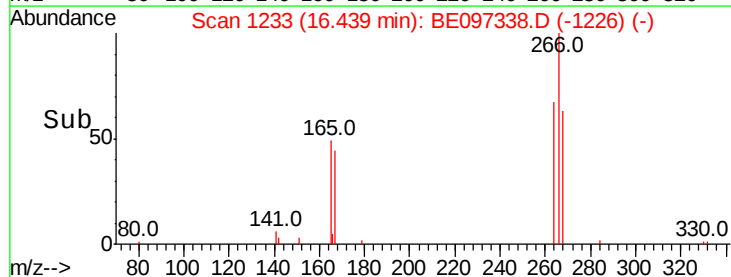
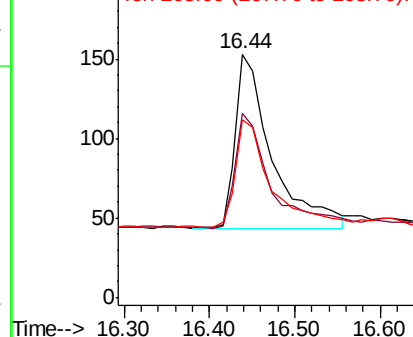
268 73.2 73.8 110.6#

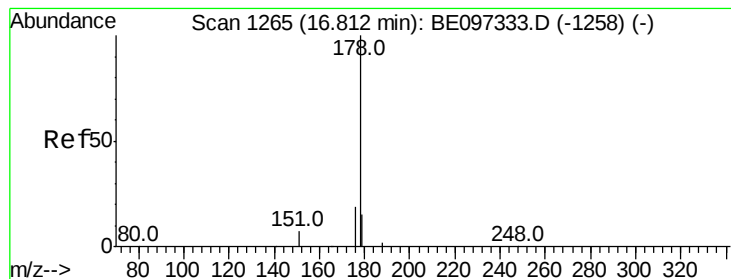


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.509 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

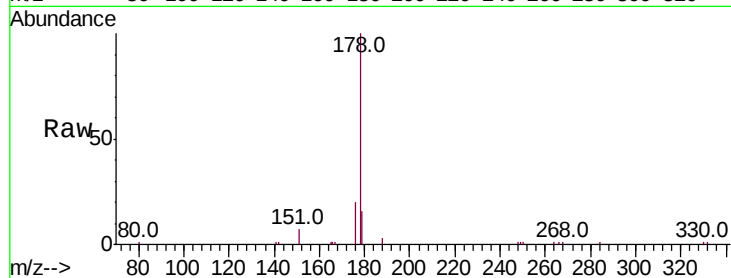
Tot Ion:178 Resp: 6754

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

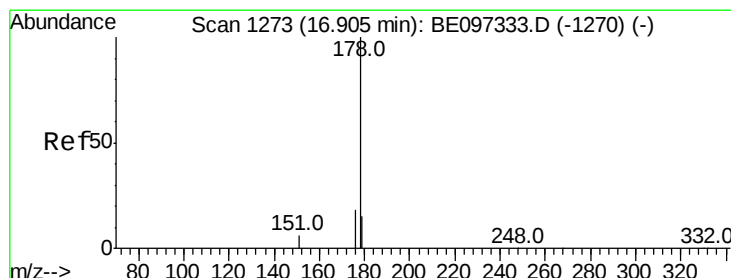
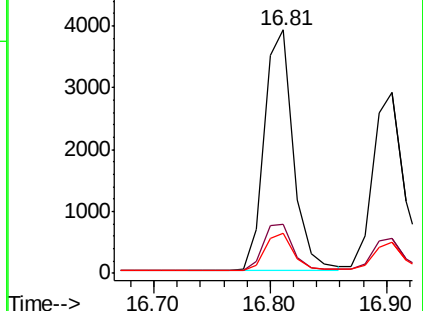
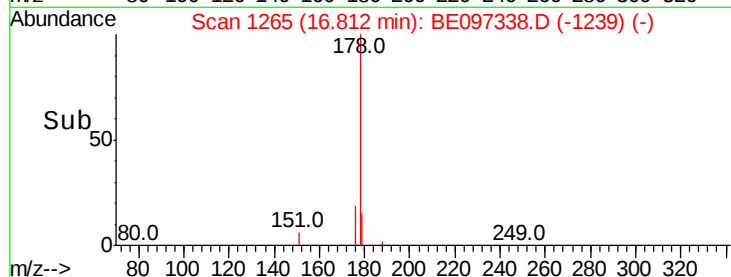
179 15.3 11.8 17.6



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: 0.549 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

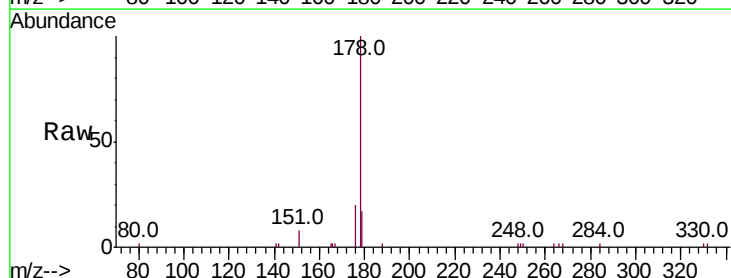
Tgt Ion:178 Resp: 5398

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

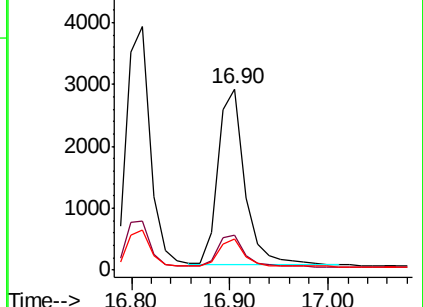
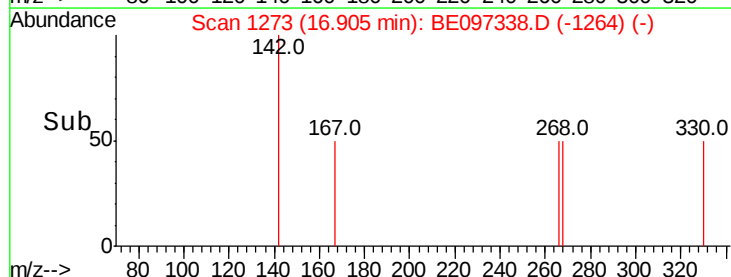
179 15.4 13.0 19.6

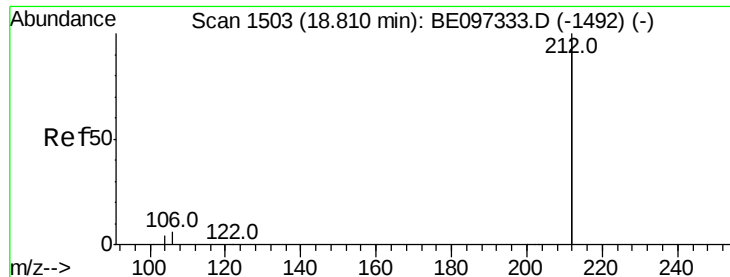


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.631 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

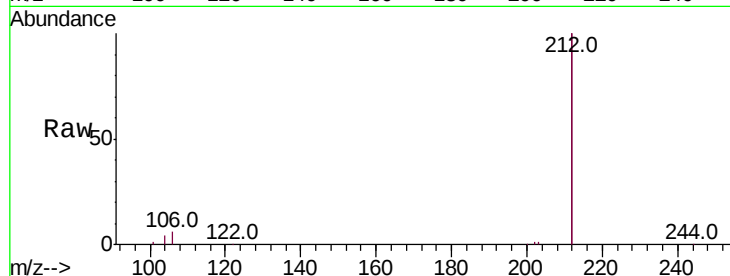
Tot Ion:212 Resp: 30640

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

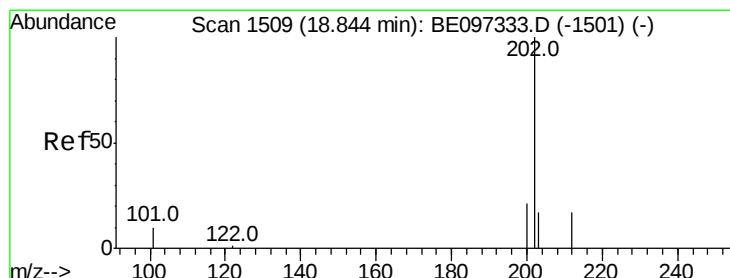
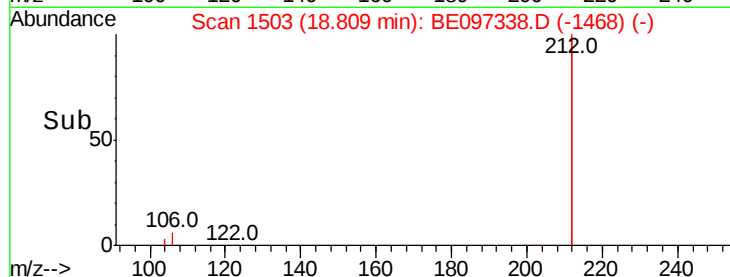
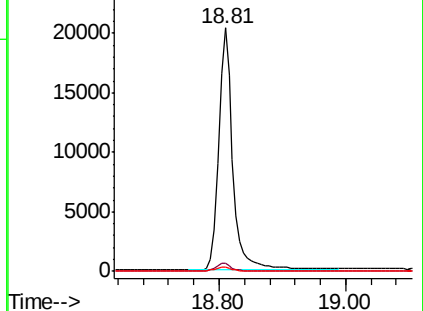
104 1.7 1.6 2.4



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: 0.589 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

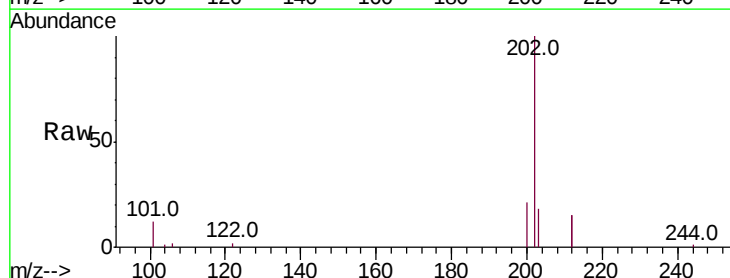
Tgt Ion:202 Resp: 7531

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

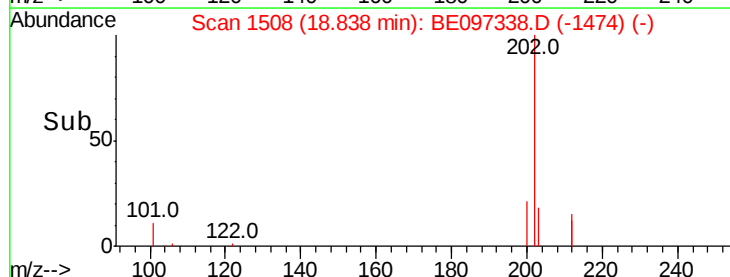
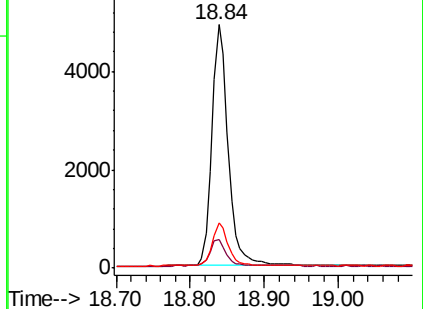
203 17.1 13.7 20.5

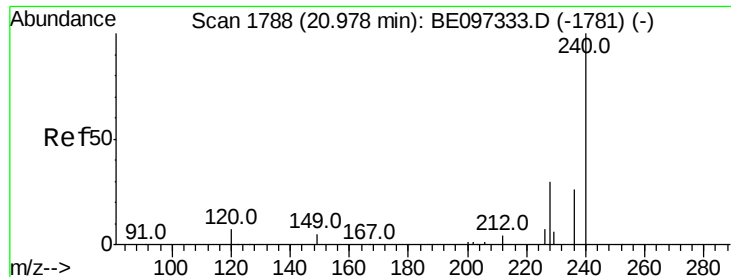


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

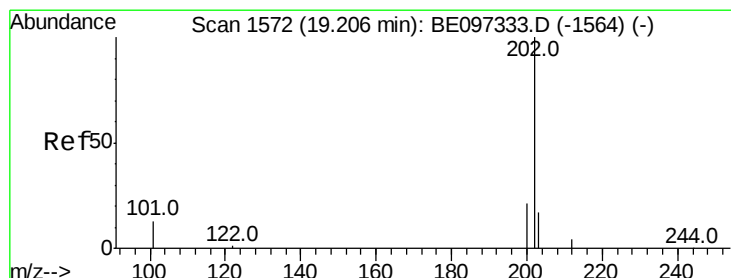
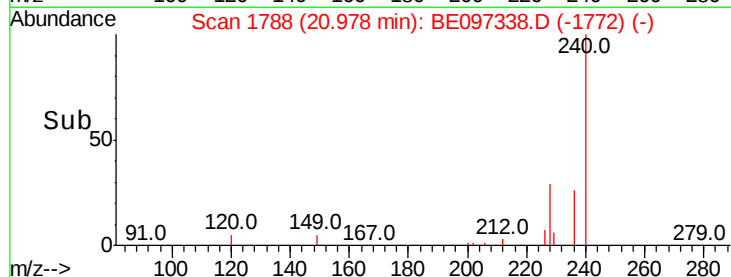
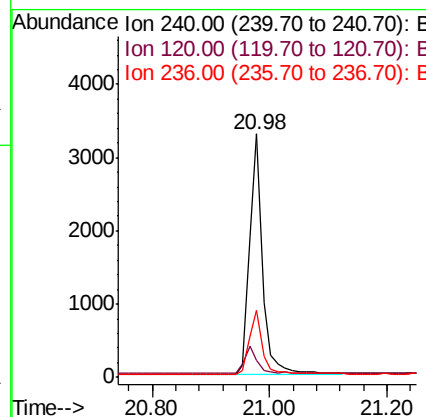
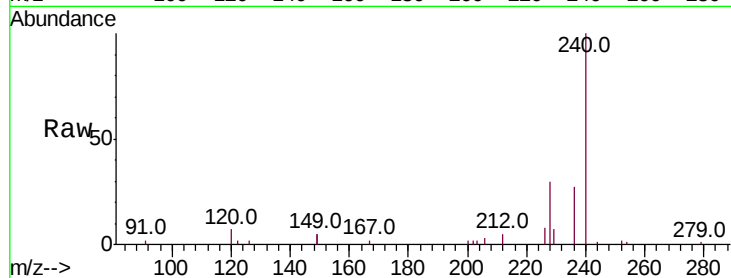




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097338.D
 Acq: 20 Aug 2018 18:50

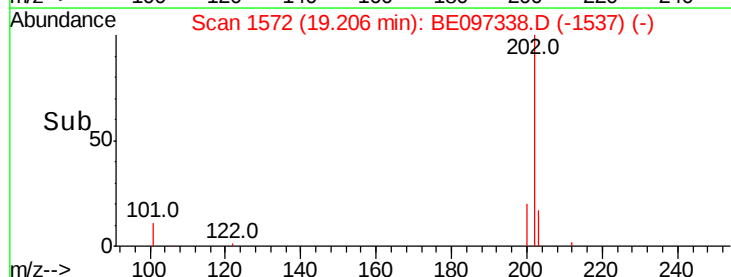
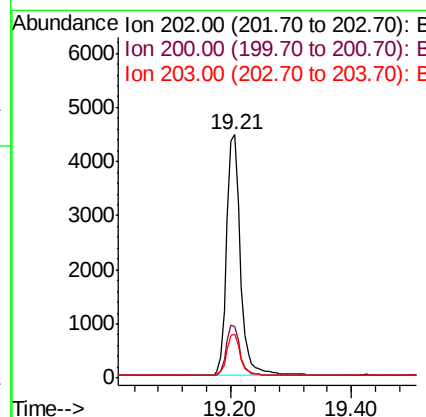
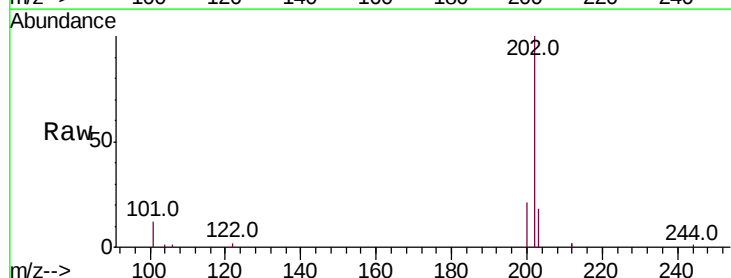
Instrument :
 BNA_E
 ClientSampleId :

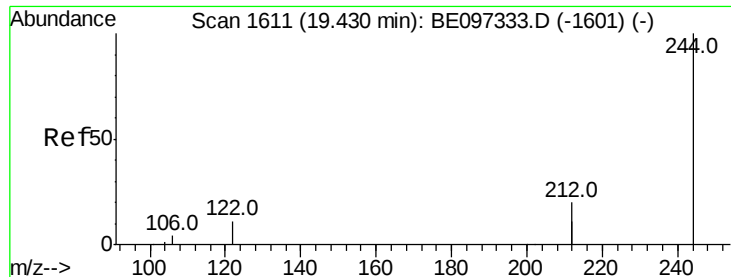
Tot Ion:240 Resp: 5045
 Ion Ratio Lower Upper
 240 100
 120 6.9 5.5 8.3
 236 27.5 20.7 31.1



#28
 Pyrene
 Concen: 0.519 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BE097338.D
 Acq: 20 Aug 2018 18:50

Tgt Ion:202 Resp: 7030
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.499 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

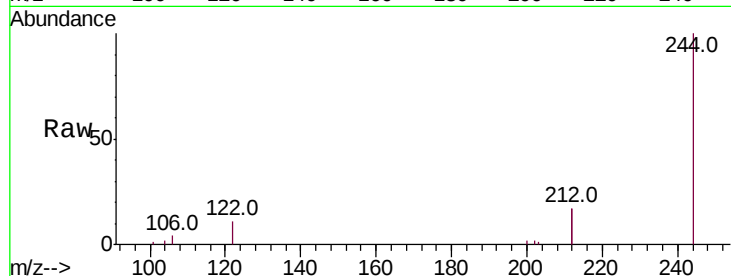
Tot Ion:244 Resp: 5039

Ion Ratio Lower Upper

244 100

212 34.1 25.4 38.0

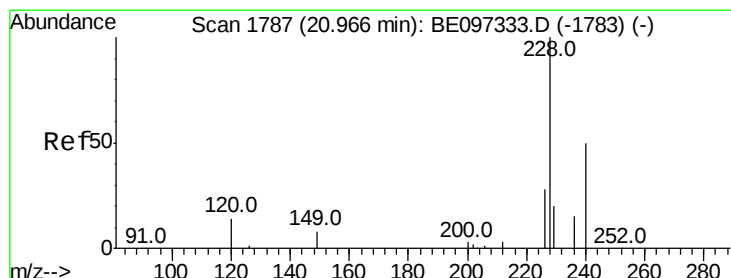
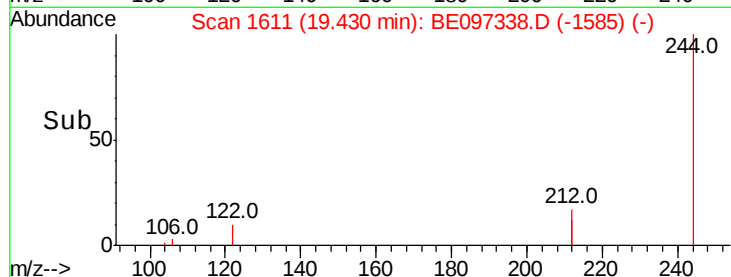
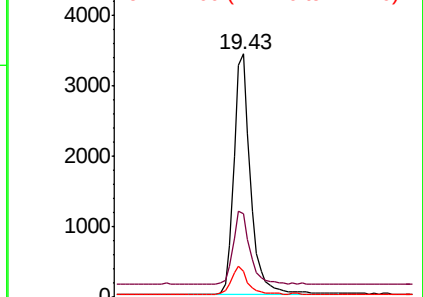
122 10.9 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.538 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

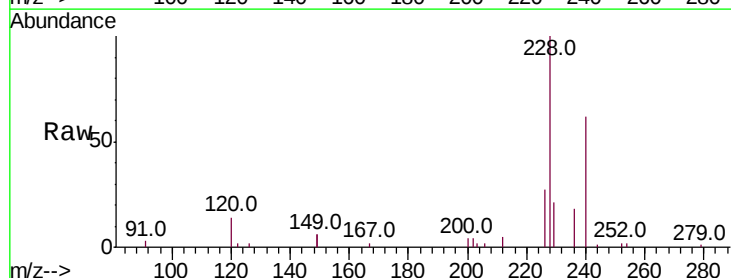
Tgt Ion:228 Resp: 5830

Ion Ratio Lower Upper

228 100

226 27.5 24.0 36.0

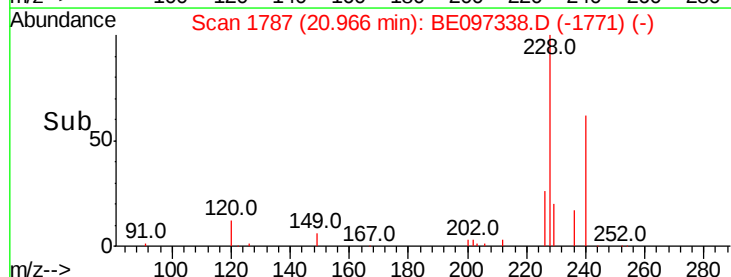
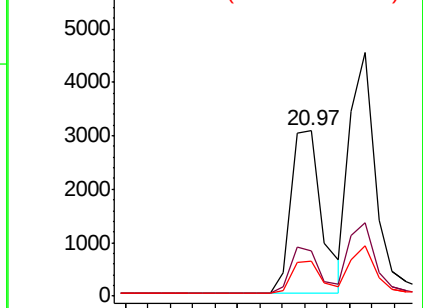
229 21.3 16.0 24.0

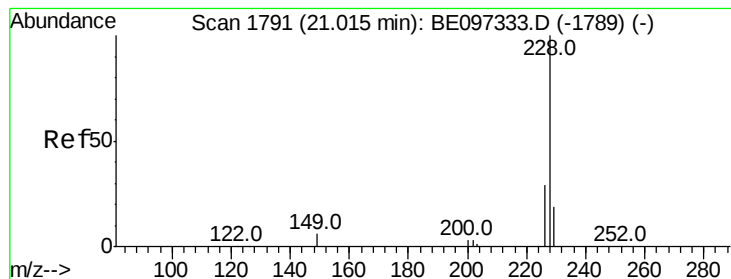


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.507 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

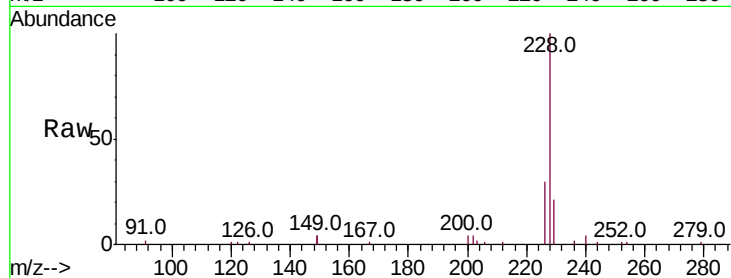
Tot Ion:228 Resp: 7203

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

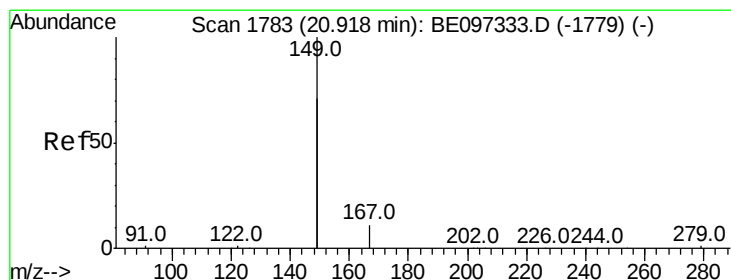
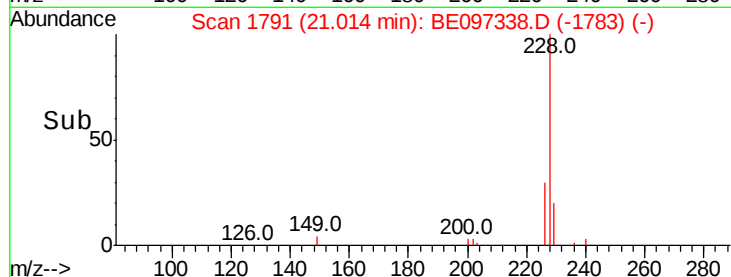
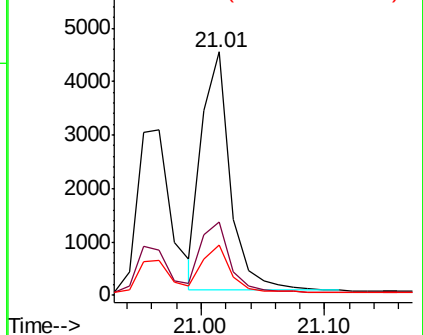
229 20.8 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.555 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

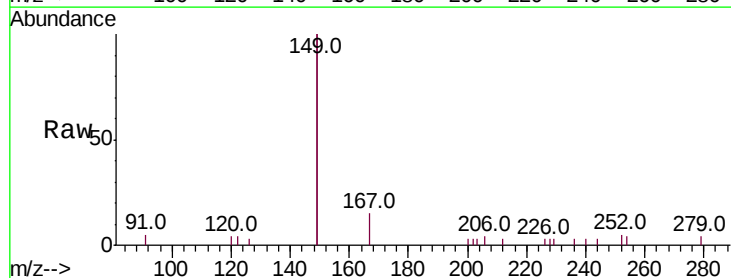
Tgt Ion:149 Resp: 3353

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

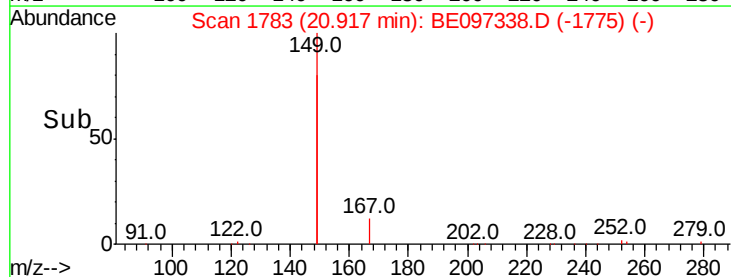
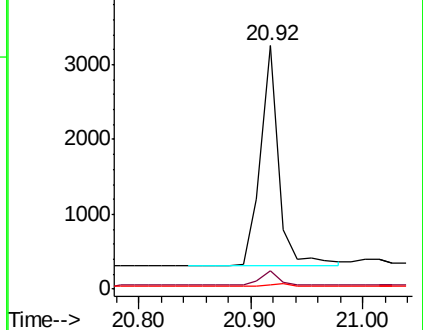
279 1.1 0.7 1.1#

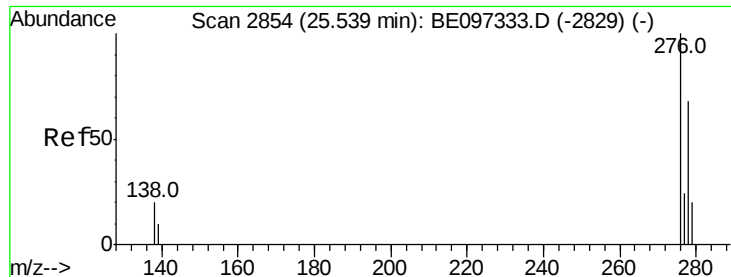


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.629 ng

RT: 25.53 min Scan# 2851

Delta R.T. -0.01 min

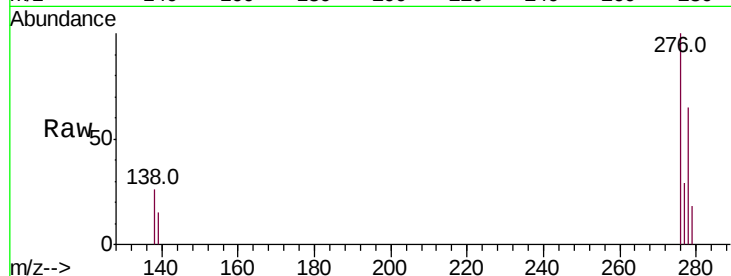
Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :



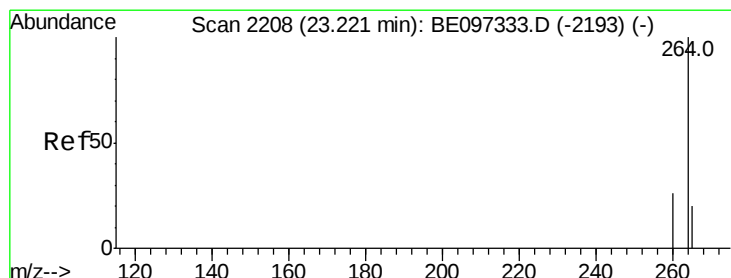
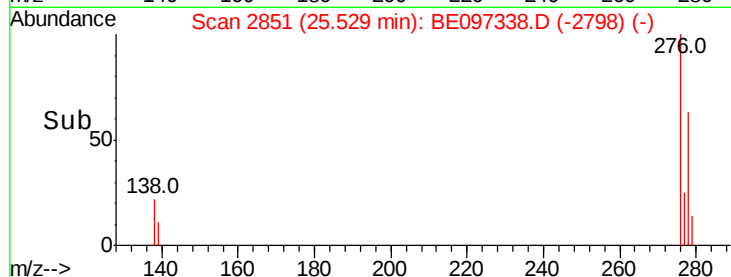
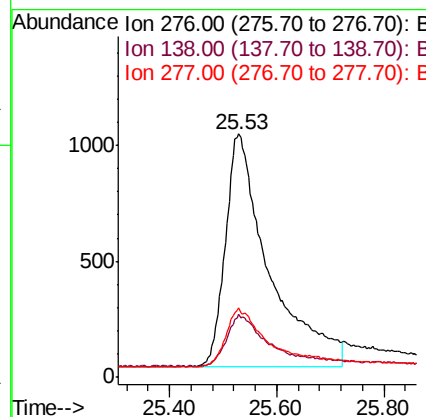
Tot Ion:276 Resp: 5685

Ion Ratio Lower Upper

276 100

138 21.1 22.5 33.7#

277 22.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

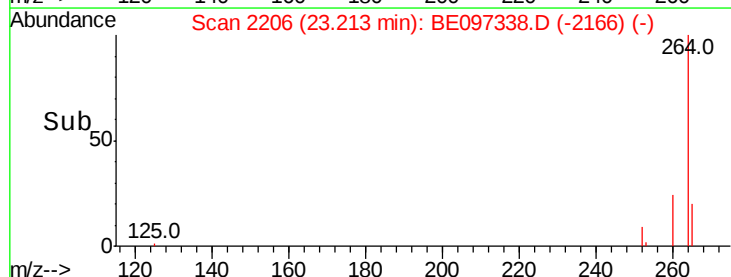
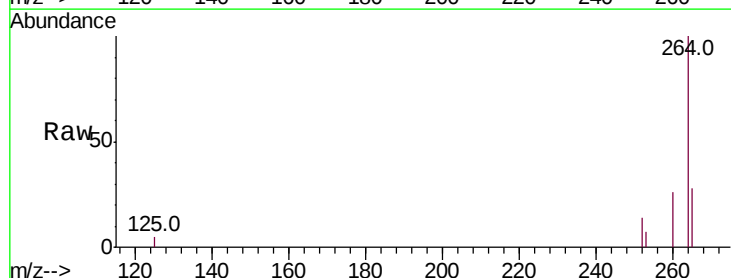
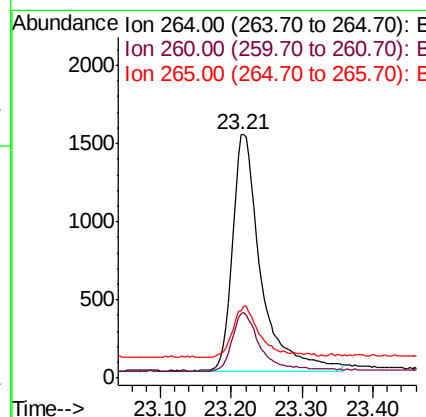
Tgt Ion:264 Resp: 4160

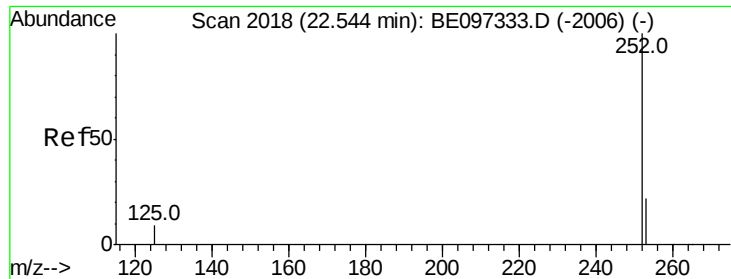
Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

265 27.6 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.472 ng

RT: 22.54 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

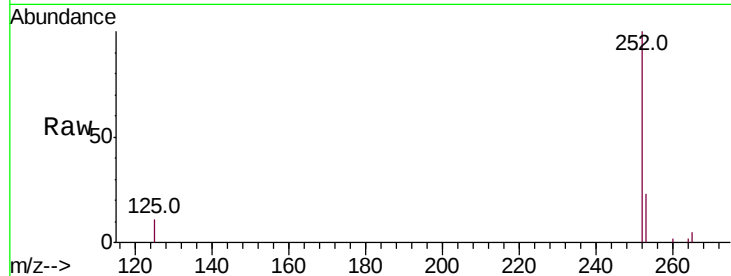
Tot Ion:252 Resp: 5176

Ion Ratio Lower Upper

252 100

253 23.5 20.0 30.0

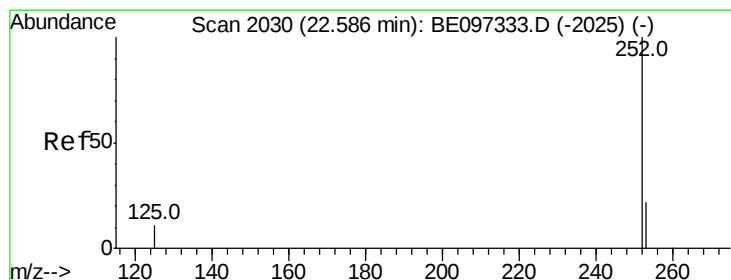
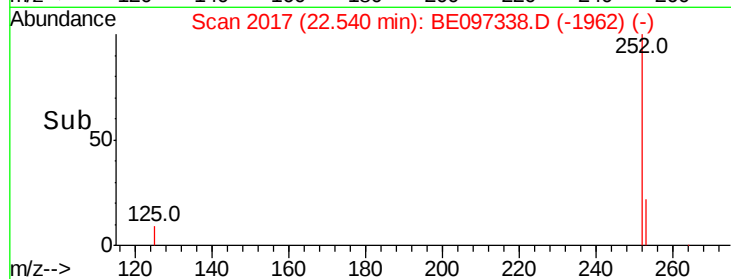
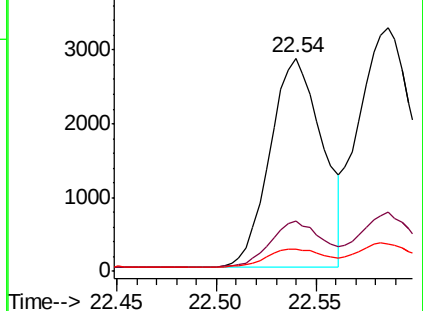
125 10.7 16.0 24.0#



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: 0.336 ng

RT: 22.54 min Scan# 2017

Delta R.T. -0.05 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

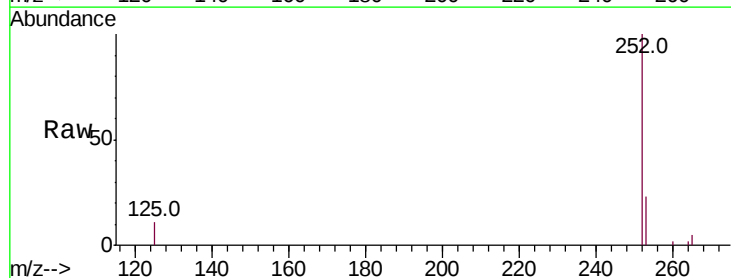
Tgt Ion:252 Resp: 5176

Ion Ratio Lower Upper

252 100

253 23.5 16.0 24.0

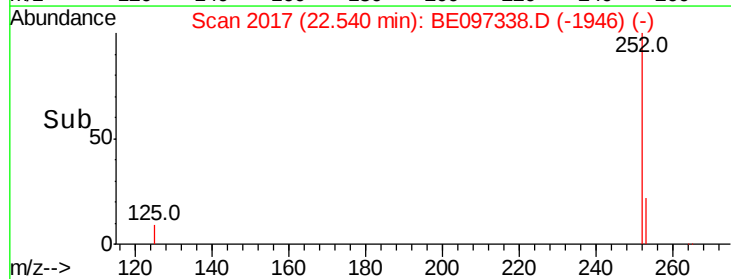
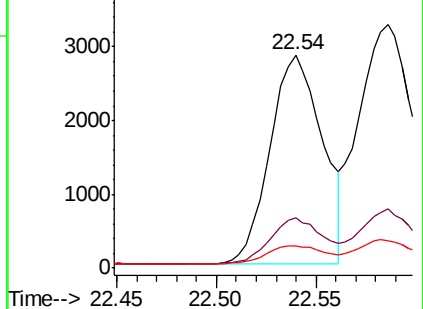
125 10.7 8.0 12.0

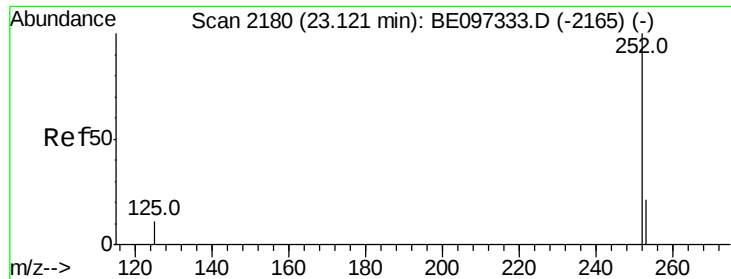


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.525 ng

RT: 23.12 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

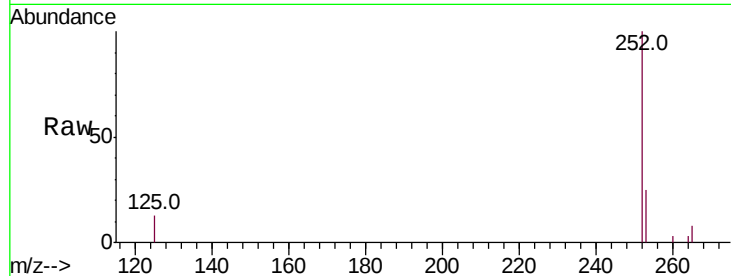
Tot Ion:252 Resp: 5243

Ion Ratio Lower Upper

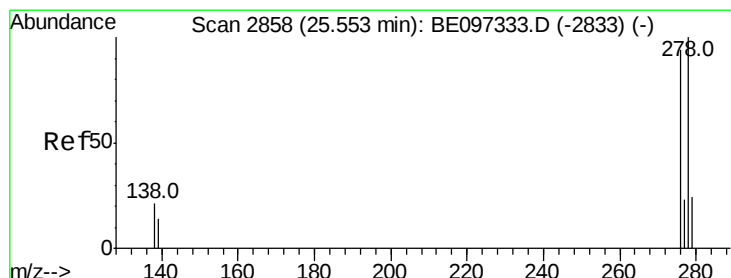
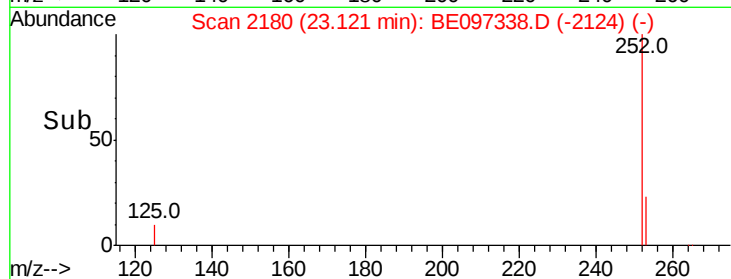
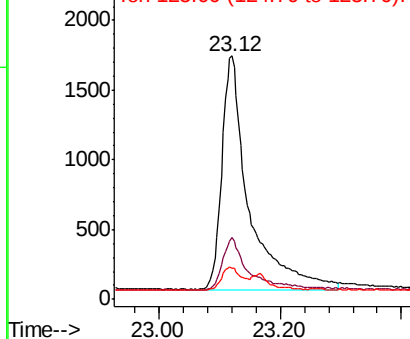
252 100

253 25.4 16.0 24.0#

125 13.0 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: 0.536 ng

RT: 25.54 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

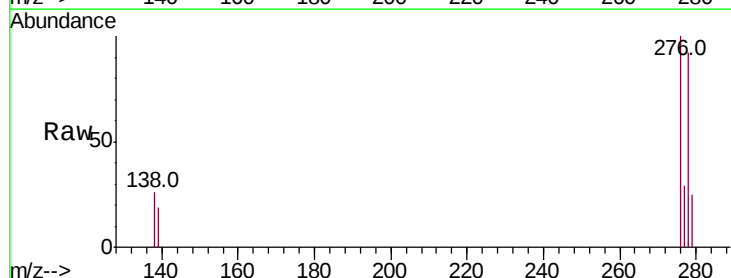
Tgt Ion:278 Resp: 4573

Ion Ratio Lower Upper

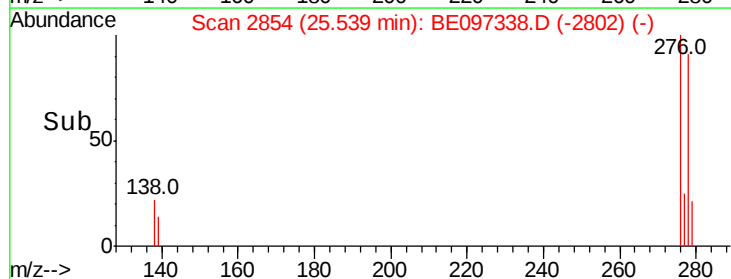
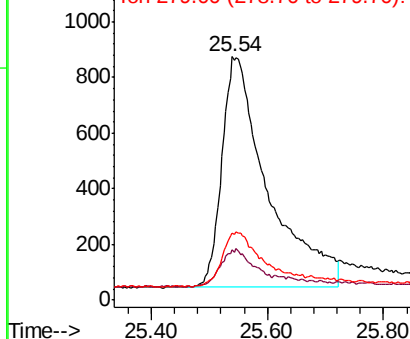
278 100

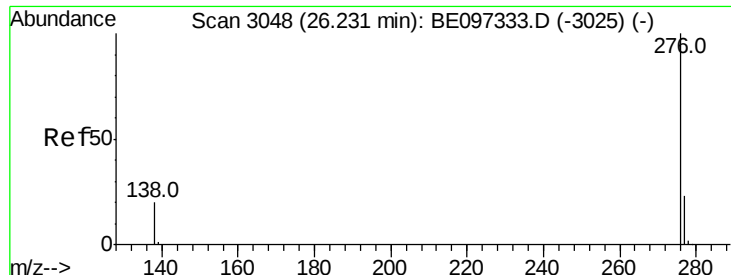
139 20.6 16.0 24.0

279 27.8 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: 0.523 ng

RT: 26.22 min Scan# 3046

Delta R.T. -0.01 min

Lab File: BE097338.D

Acq: 20 Aug 2018 18:50

Instrument :

BNA_E

ClientSampleId :

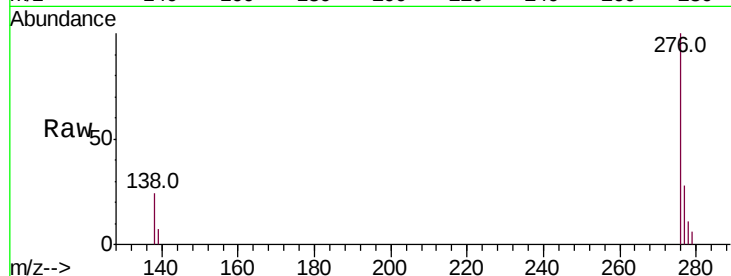
Tot Ion:276 Resp: 4502

Ion Ratio Lower Upper

276 100

277 28.0 16.0 24.0#

138 24.3 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

