

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097610.D
 Acq On : 21 Sep 2018 14:12
 Operator : SJ/JU
 Sample : PB112840BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 22 04:07:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1097	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4567	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2242	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5147	0.40	ng	0.01
27) Chrysene-d12	20.97	240	6869	0.40	ng	0.00
34) Perylene-d12	23.21	264	7336	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1180	0.36	ng	0.01
5) Phenol-d6	6.62	99	1378	0.33	ng	0.01
8) Nitrobenzene-d5	8.53	82	1322	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3355	0.53	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	213	0.29	ng	0.01
15) 2-Fluorobiphenyl	12.62	172	3627	0.46	ng	0.00
25) Fluoranthene-d10	18.80	212	23946	0.36	ng	0.00
29) Terphenyl-d14	19.42	244	4183	0.33	ng	0.00

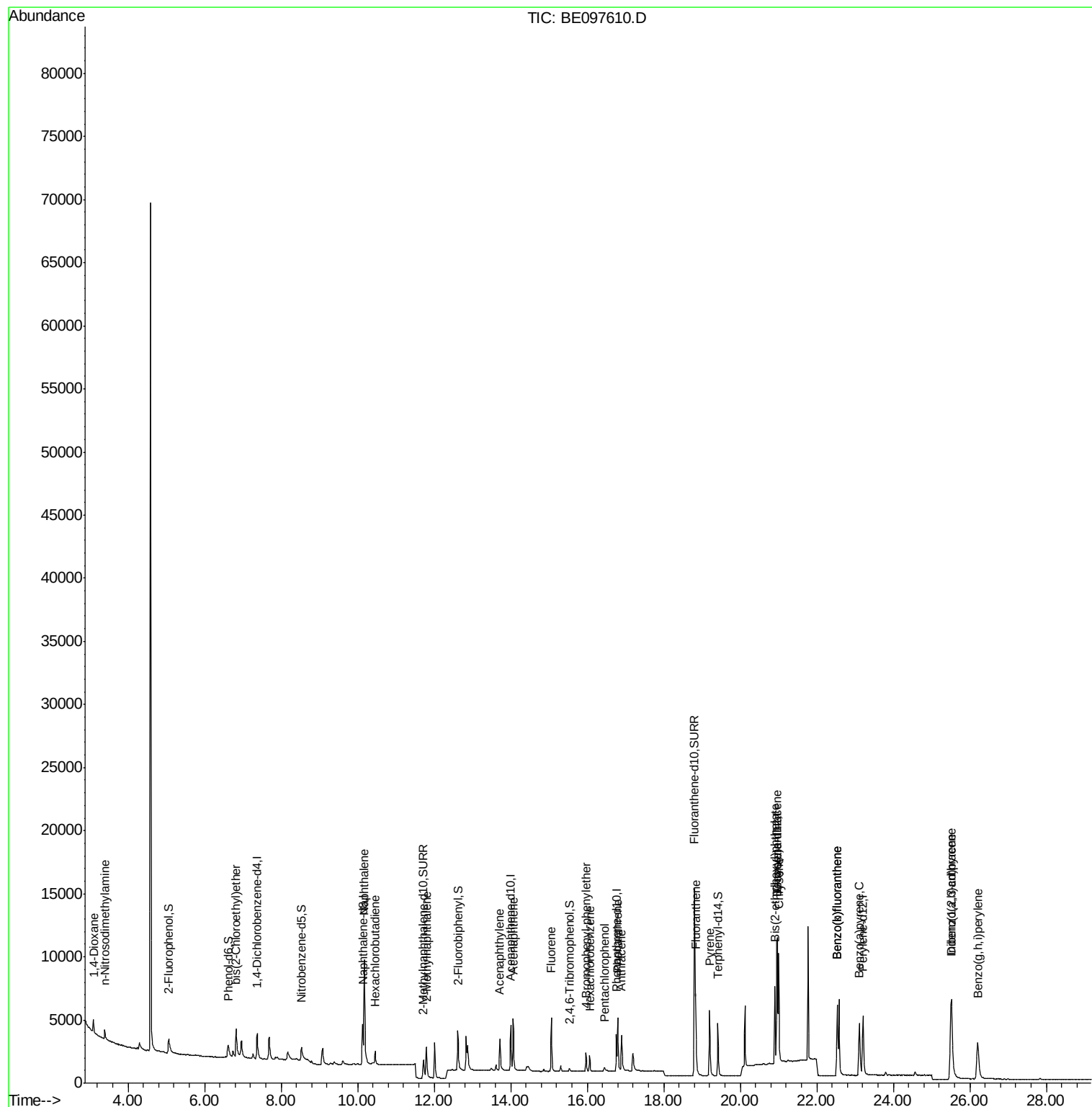
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	607	0.315	ng	# 91
3) n-Nitrosodimethylamine	3.38	42	560	0.353	ng	# 89
6) bis(2-Chloroethyl)ether	6.83	93	1265	0.324	ng	79
9) Naphthalene	10.17	128	16819	0.409	ng	99
10) Hexachlorobutadiene	10.46	225	711	0.375	ng	96
12) 2-Methylnaphthalene	11.80	142	2533	0.395	ng	99
16) Acenaphthylene	13.71	152	3363	0.379	ng	99
17) Acenaphthene	14.06	154	2255	0.379	ng	96
18) Fluorene	15.06	166	2887	0.373	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	896	0.386	ng	# 77
21) Hexachlorobenzene	16.07	284	1070	0.419	ng	# 84
22) Pentachlorophenol	16.45	266	335	0.423	ng	# 81
23) Phenanthrene	16.80	178	4837	0.396	ng	99
24) Anthracene	16.89	178	4126	0.382	ng	95
26) Fluoranthene	18.84	202	5739	0.338	ng	99
28) Pyrene	19.20	202	5878	0.376	ng	100
30) Benzo(a)anthracene	20.95	228	6801	0.393	ng	97
31) Chrysene	21.00	228	7788	0.420	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	7146	0.256	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	10296	0.461	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	7894	0.420	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	7894	0.367	ng	95
37) Benzo(a)pyrene	23.11	252	7728	0.423	ng	93
38) Dibenzo(a,h)anthracene	25.52	278	8515	0.432	ng	# 95
39) Benzo(g,h,i)perylene	26.21	276	8430	0.440	ng	# 89

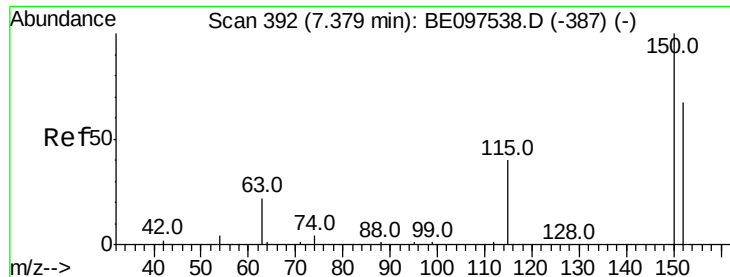
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.38 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

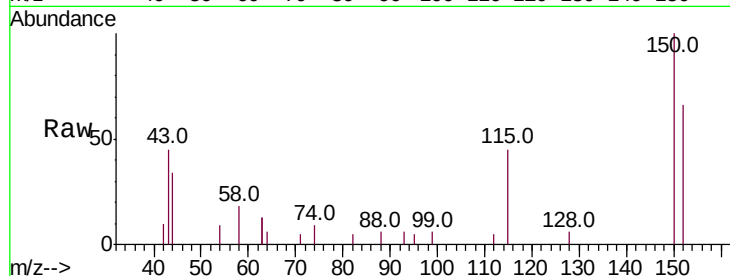
Tot Ion:152 Resp: 1097

Ion Ratio Lower Upper

152 100

150 151.6 117.2 175.8

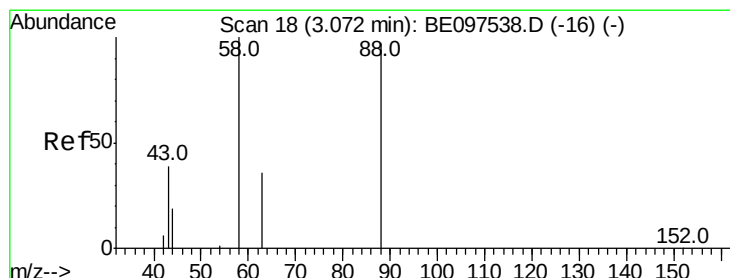
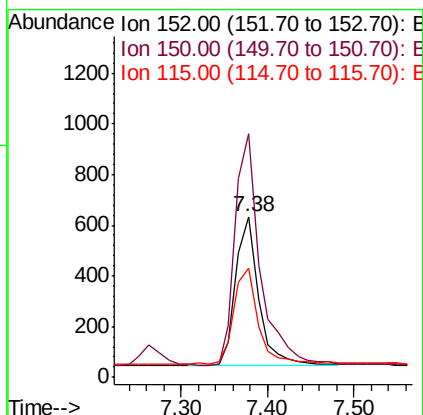
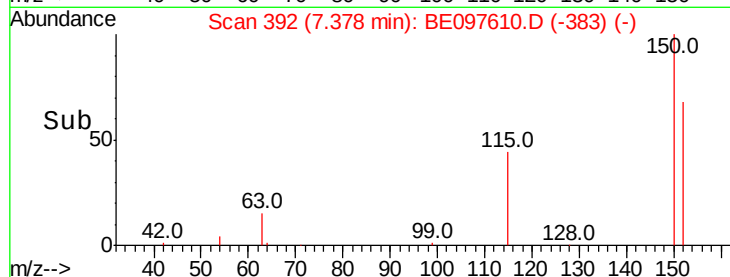
115 67.7 57.0 85.6



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: 0.315 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.02 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

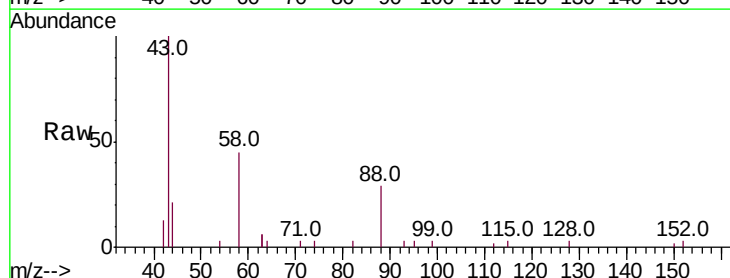
Tgt Ion: 88 Resp: 607

Ion Ratio Lower Upper

88 100

58 80.6 63.2 94.8

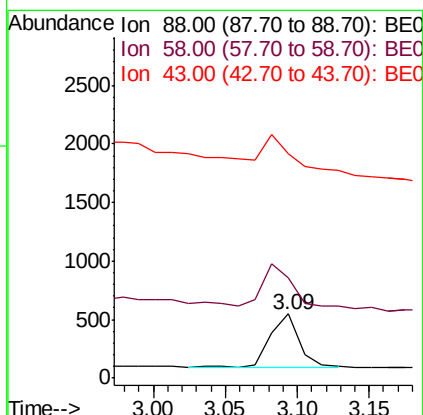
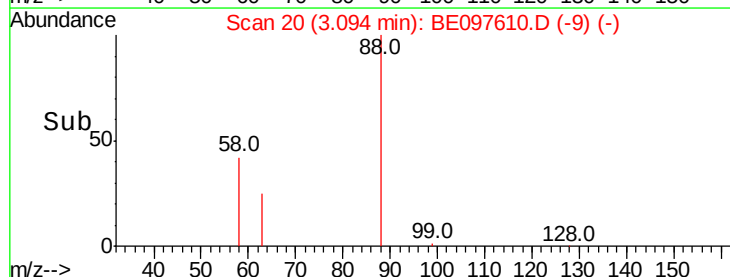
43 65.1 41.2 61.8#

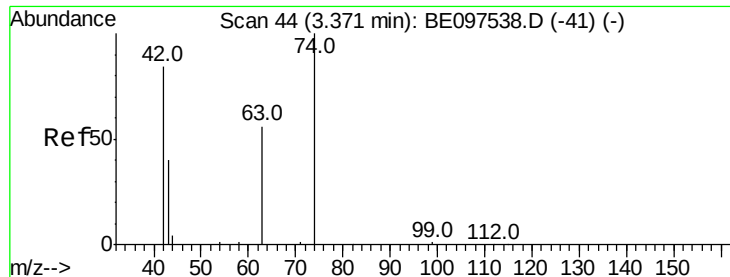


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.353 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

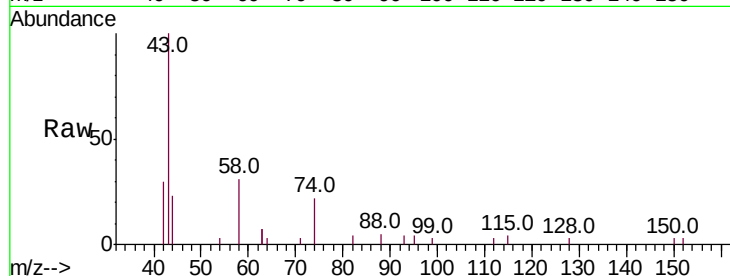
Tot Ion: 42 Resp: 560

Ion Ratio Lower Upper

42 100

74 131.3 96.0 144.0

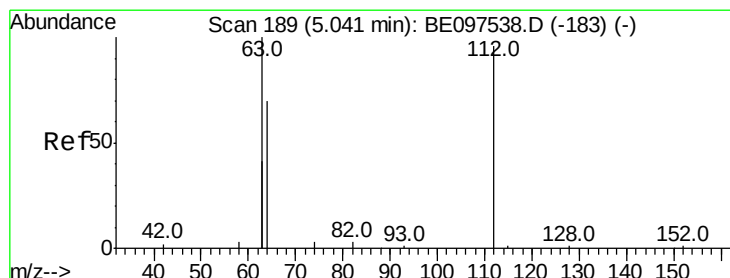
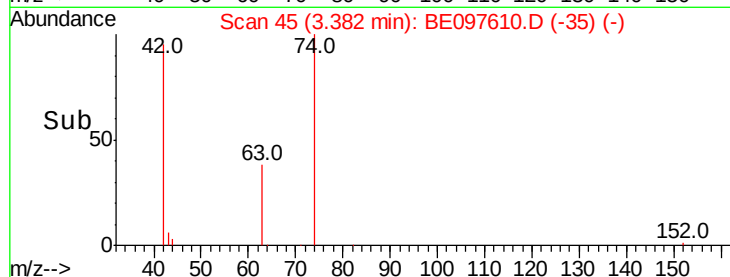
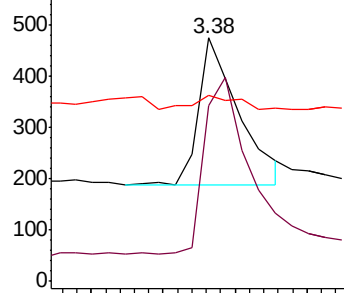
44 8.6 12.0 18.0#



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: 0.359 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

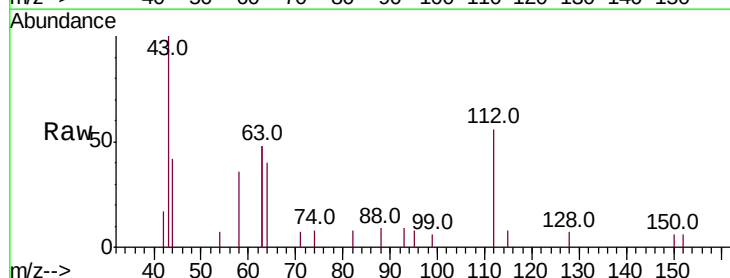
Tgt Ion: 112 Resp: 1180

Ion Ratio Lower Upper

112 100

64 67.5 60.1 90.1

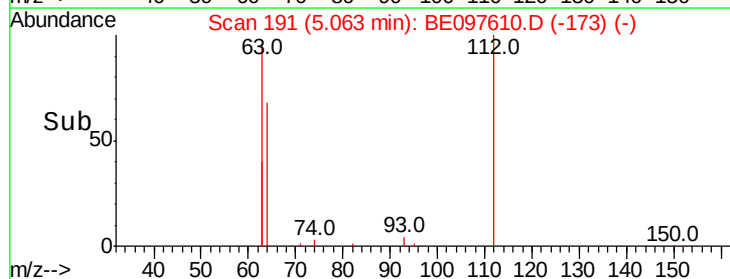
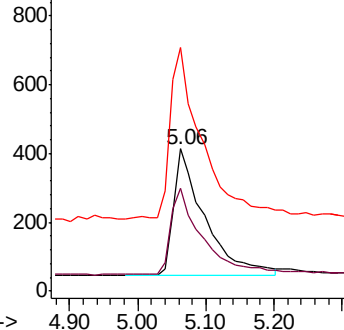
63 140.7 116.8 175.2

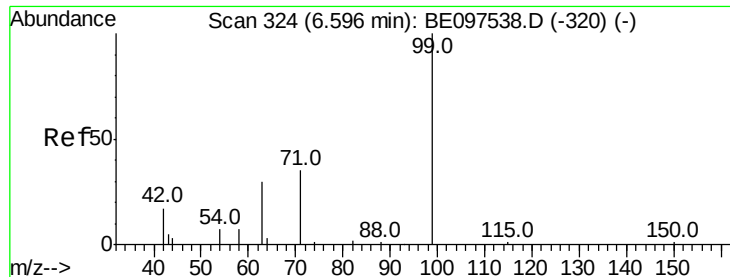


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.328 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

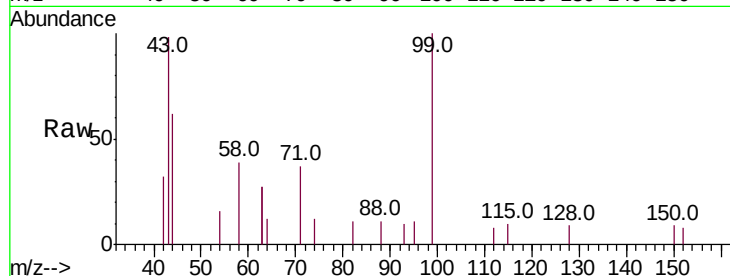
Tot Ion: 99 Resp: 1378

Ion Ratio Lower Upper

99 100

42 19.0 20.2 30.2#

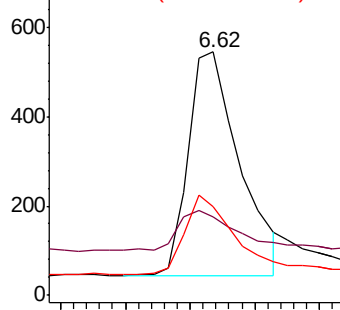
71 33.5 28.4 42.6



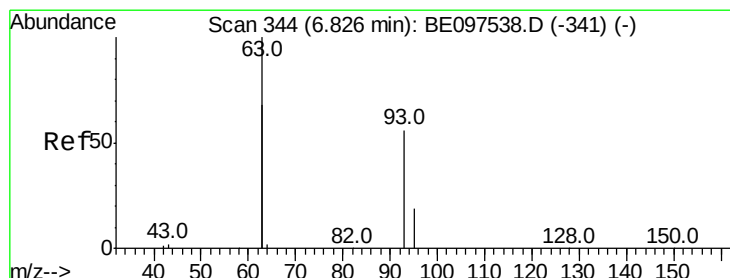
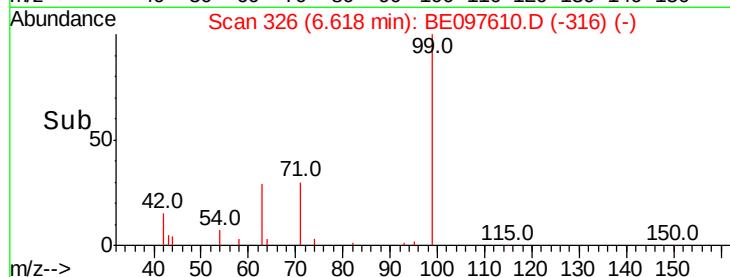
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.324 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

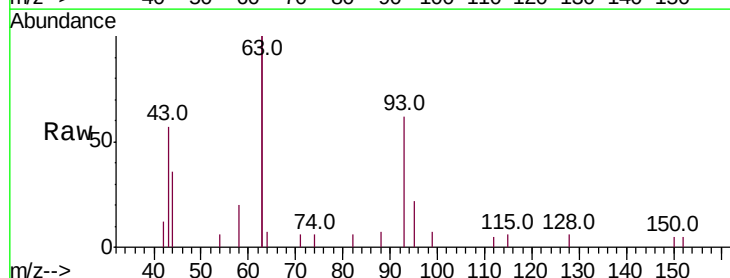
Tgt Ion: 93 Resp: 1265

Ion Ratio Lower Upper

93 100

63 294.4 275.3 412.9

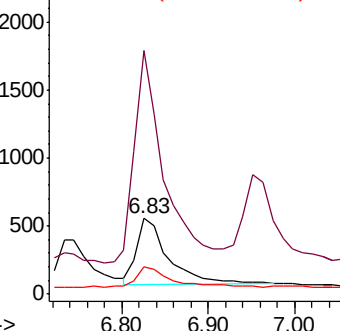
95 31.9 25.2 37.8



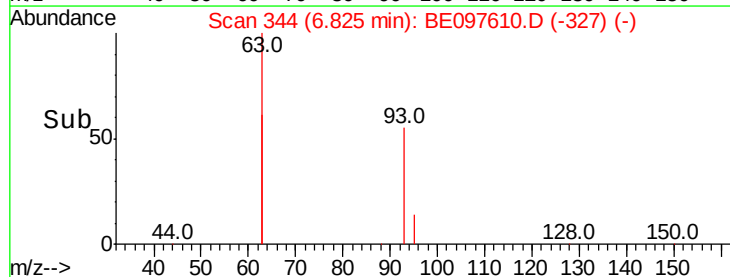
Abundance Ion 93.00 (92.70 to 93.70): BE0

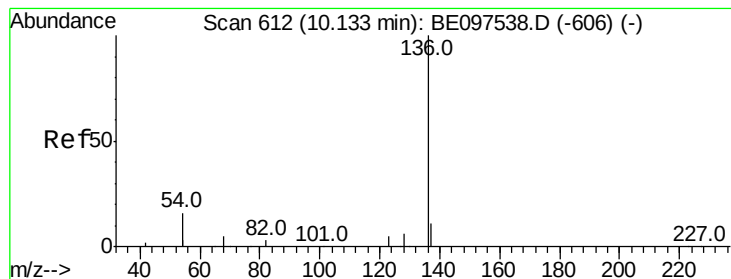
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4567

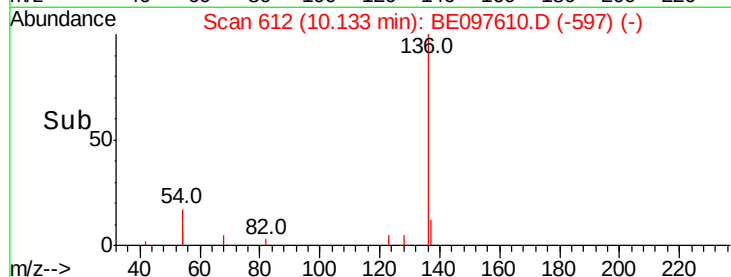
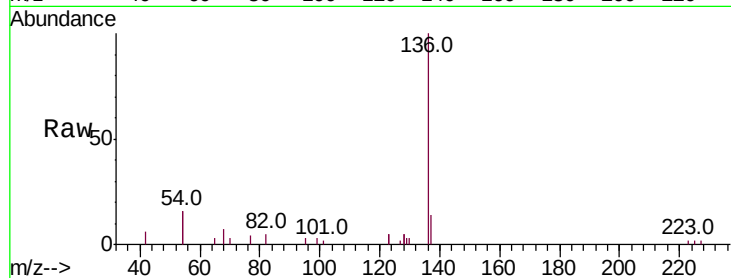
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 32.4 29.1 43.7

68 7.4 6.2 9.2

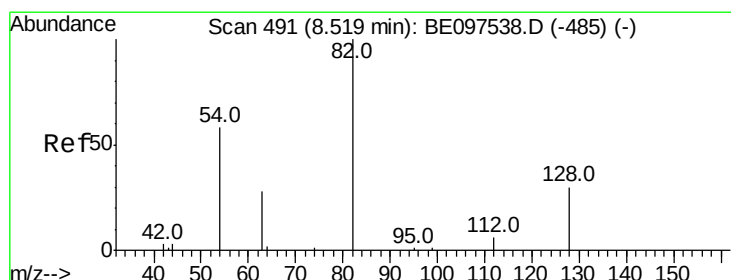
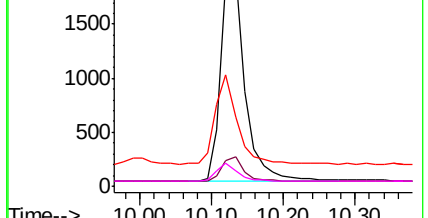


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.375 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

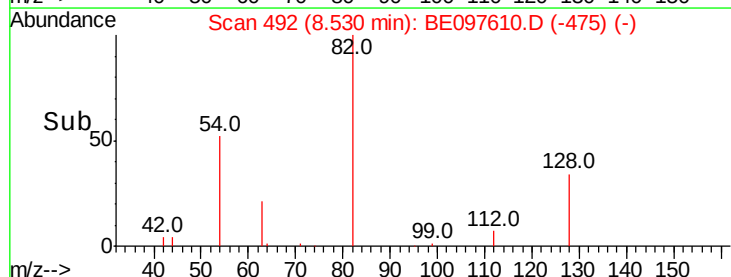
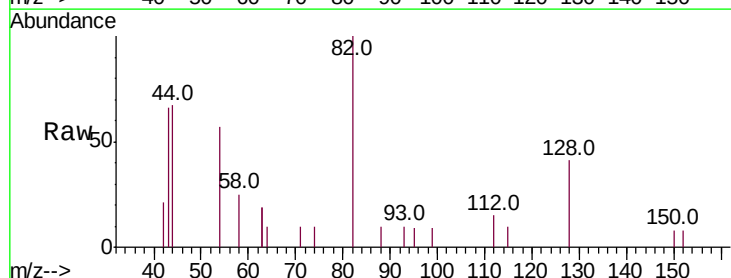
Tgt Ion: 82 Resp: 1322

Ion Ratio Lower Upper

82 100

128 40.6 24.0 36.0#

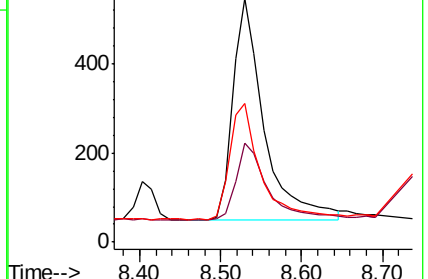
54 57.1 40.0 60.0

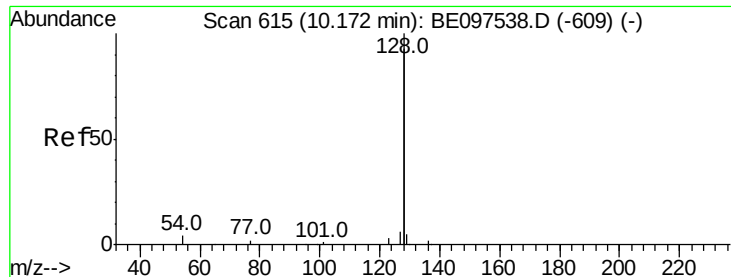


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.409 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampled :

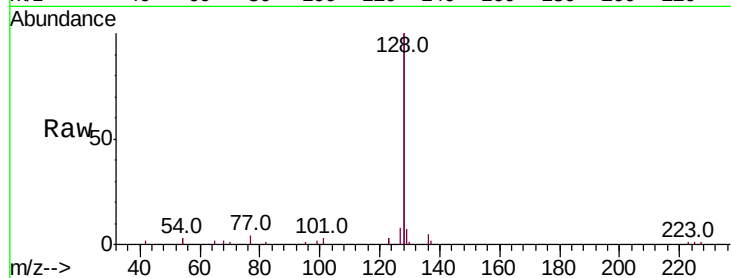
Tot Ion:128 Resp: 16819

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

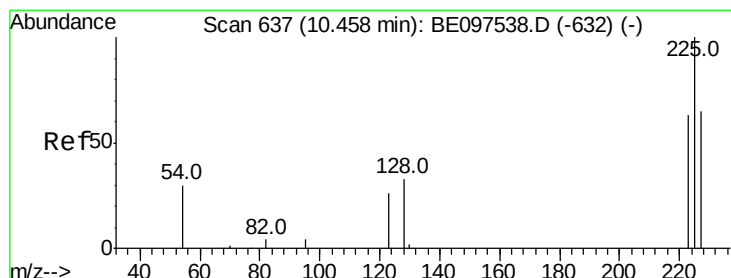
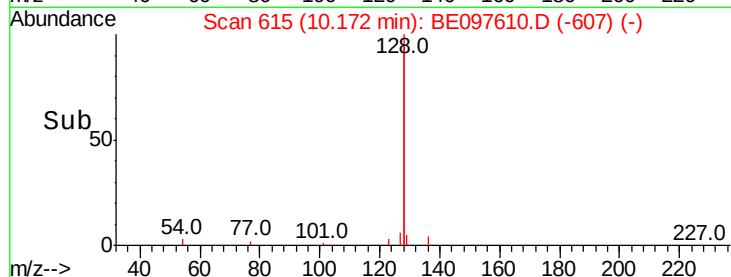
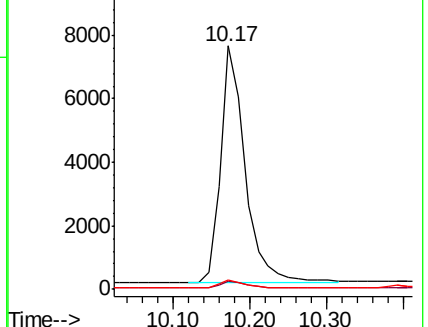
127 3.9 2.8 4.2



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: 0.375 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

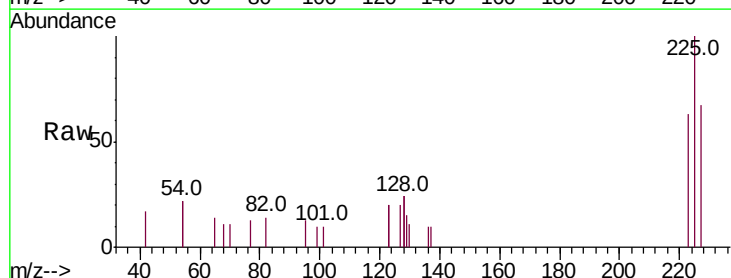
Tgt Ion:225 Resp: 711

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

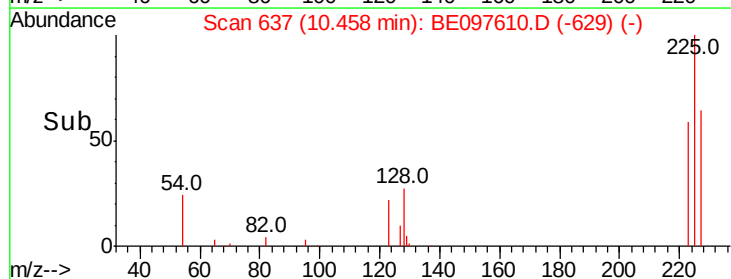
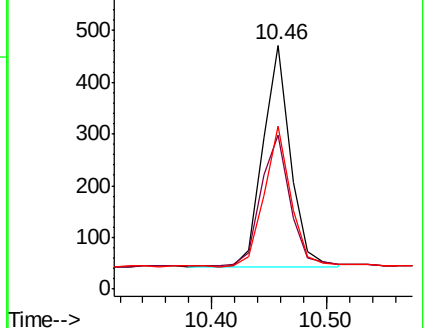
227 61.9 51.4 77.2

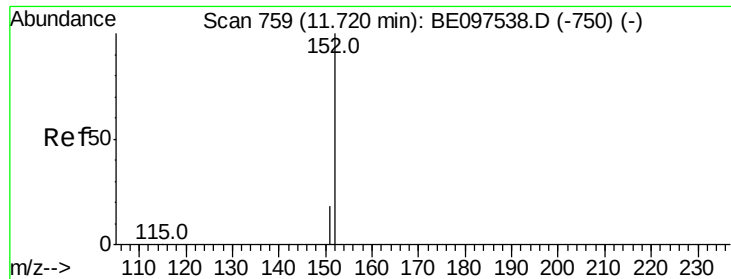


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

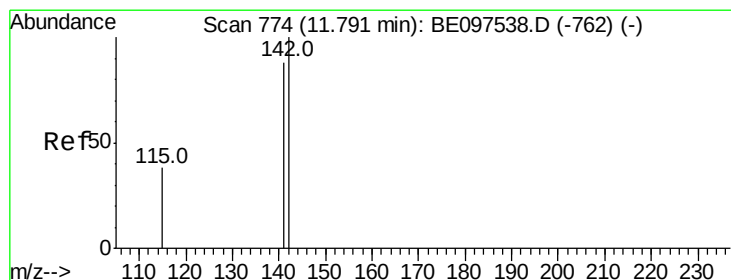
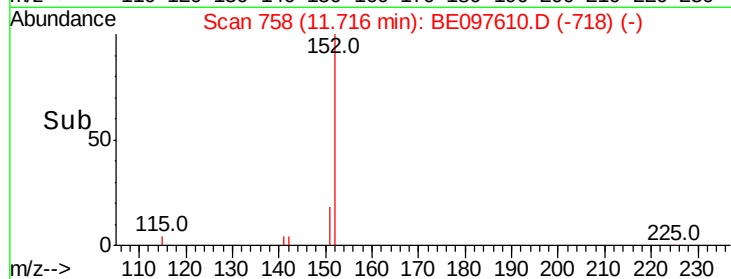
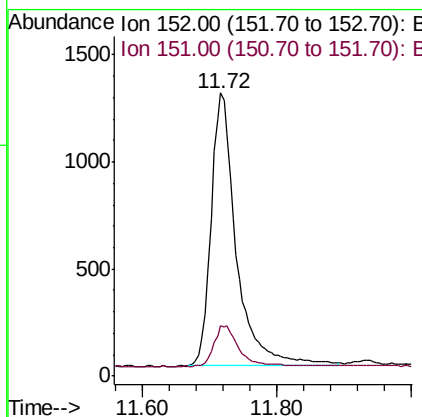
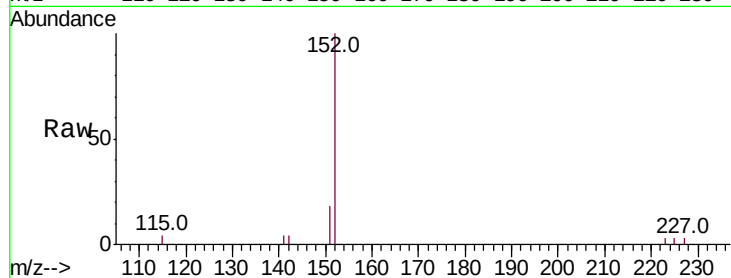




#11
2-Methylnaphthalene-d10
Concen: 0.533 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

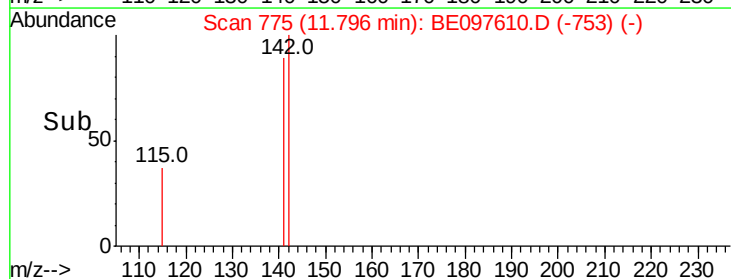
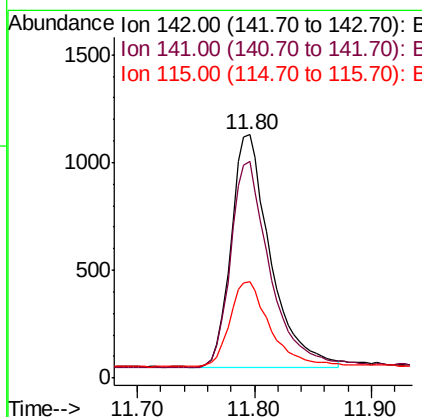
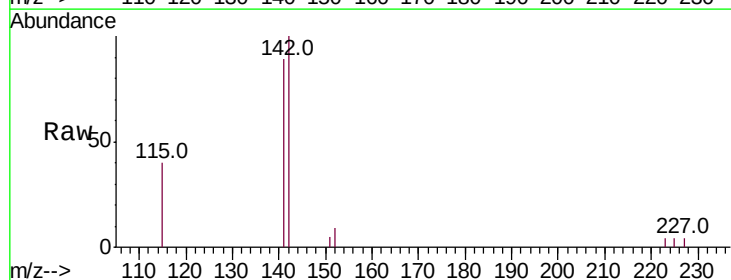
Instrument :
BNA_E
ClientSampleId :

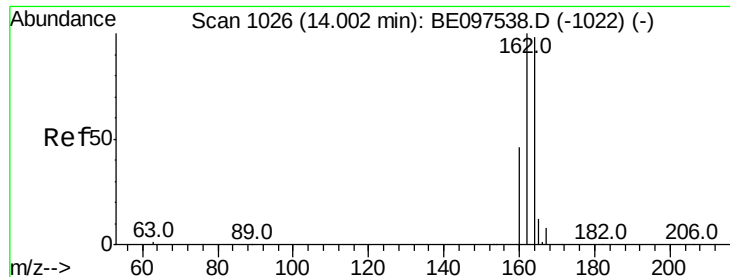
Tot Ion:152 Resp: 3355
Ion Ratio Lower Upper
152 100
151 14.0 15.4 23.0#



#12
2-Methylnaphthalene
Concen: 0.395 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:142 Resp: 2533
Ion Ratio Lower Upper
142 100
141 89.1 70.4 105.6
115 39.7 31.7 47.5

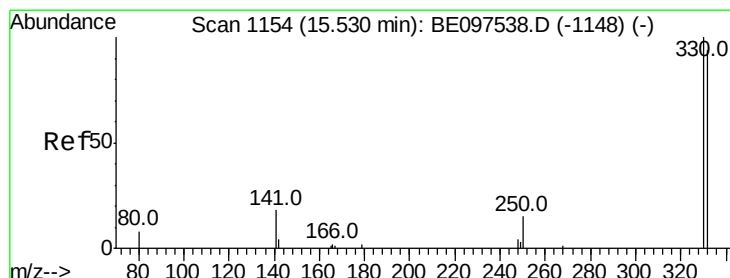
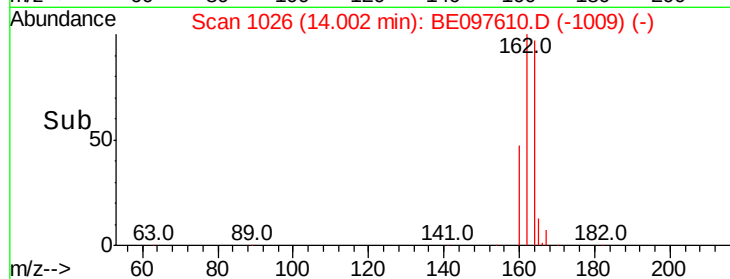
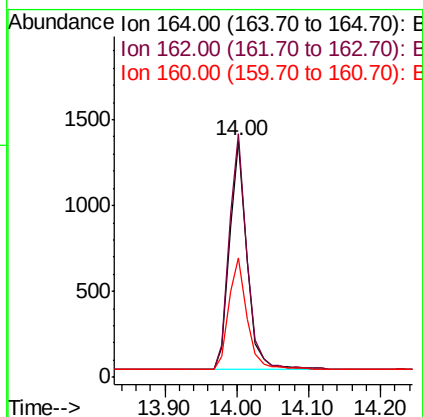
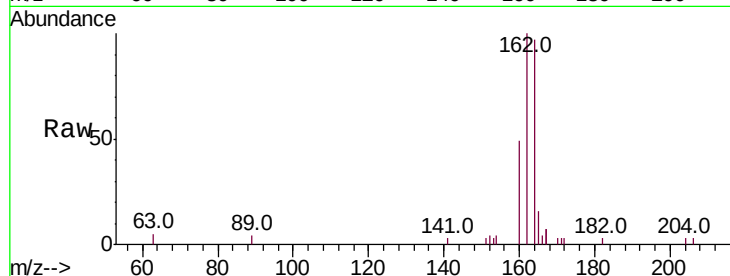




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE097610.D
 Acq: 21 Sep 2018 14:12

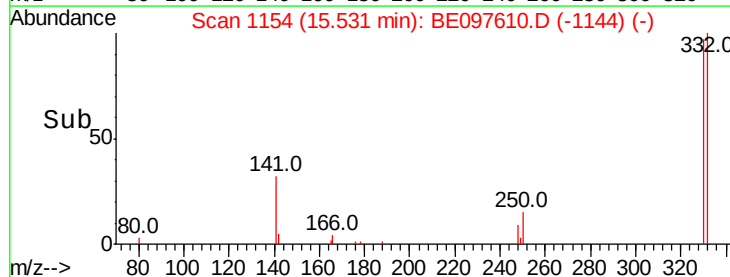
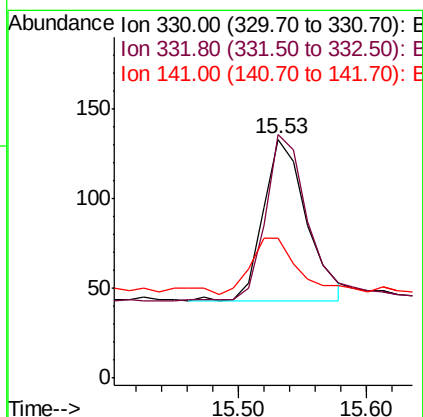
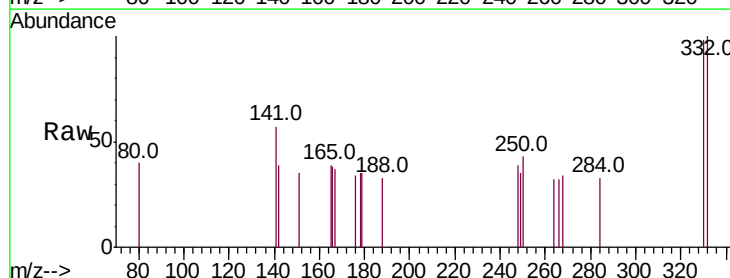
Instrument :
 BNA_E
 ClientSampleId :

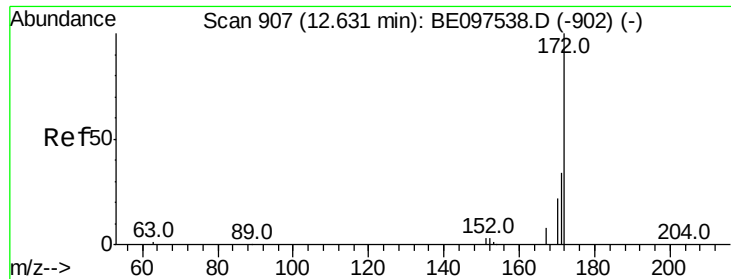
Tot Ion:164 Resp: 2242
 Ion Ratio Lower Upper
 164 100
 162 103.0 83.1 124.7
 160 50.3 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.292 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE097610.D
 Acq: 21 Sep 2018 14:12

Tgt Ion:330 Resp: 213
 Ion Ratio Lower Upper
 330 100
 332 100.0 152.7 229.1#
 141 35.7 33.7 50.5

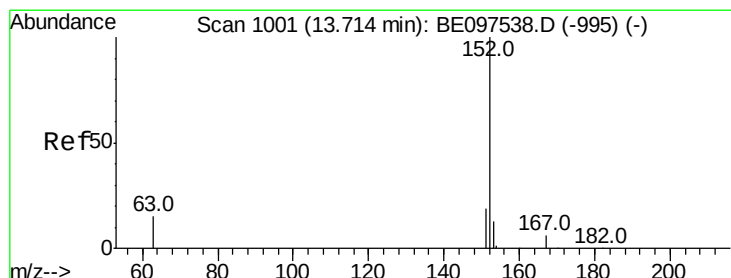
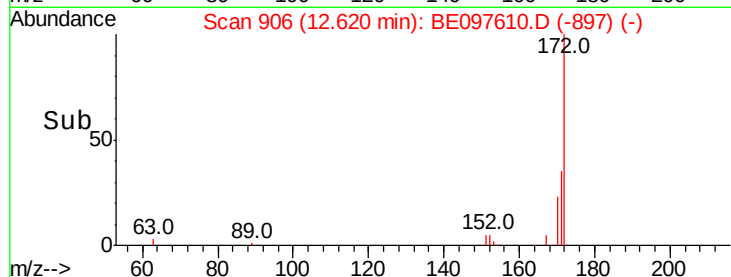
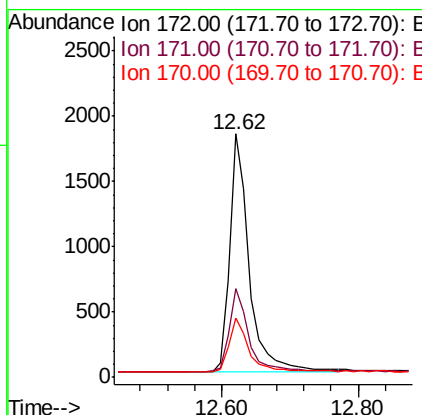
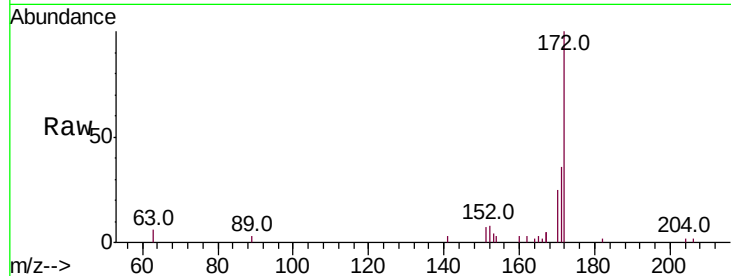




#15
2-Fluorobiphenyl
Concen: 0.458 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

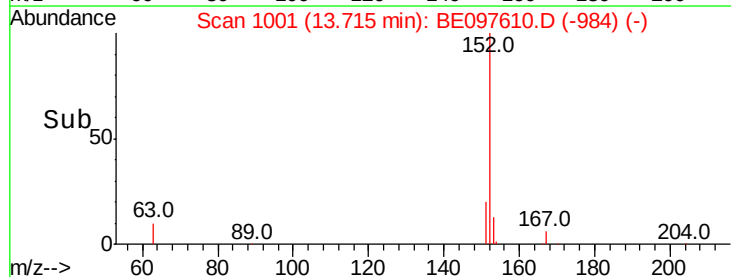
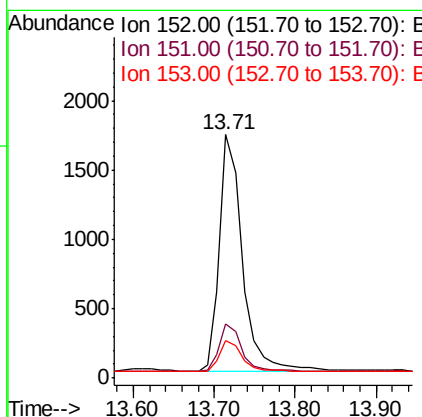
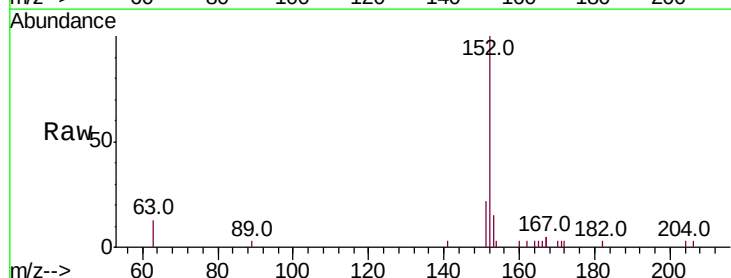
Instrument :
BNA_E
ClientSampleId :

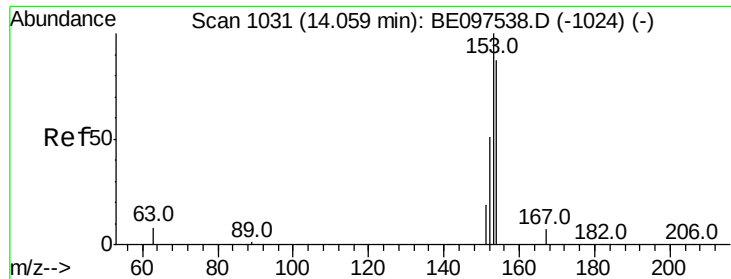
Tot Ion:172 Resp: 3627
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 24.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.379 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:152 Resp: 3363
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.2 10.5 15.7

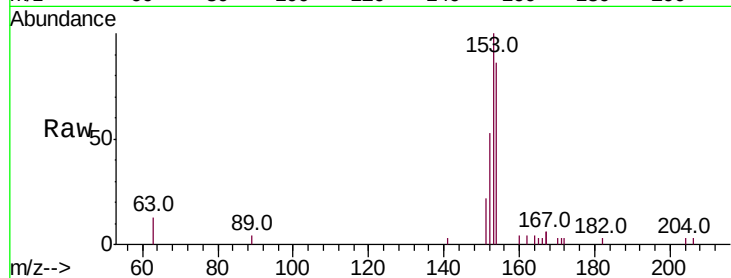




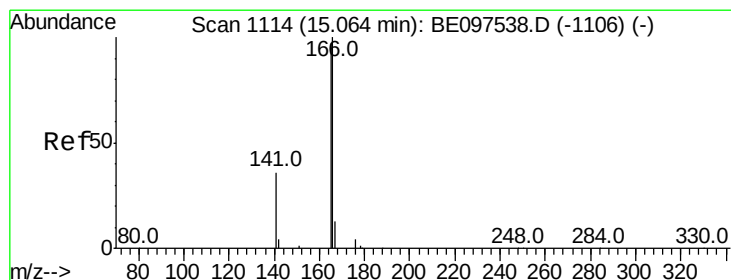
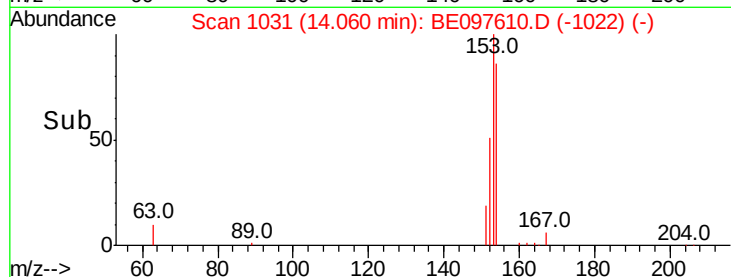
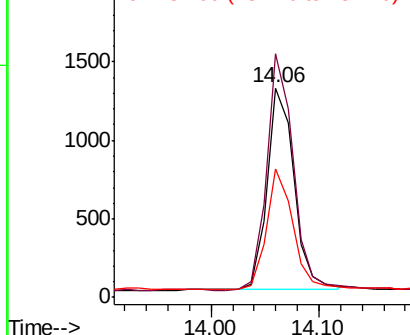
#17
Acenaphthene
Concen: 0.379 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 2255
Ion Ratio Lower Upper
154 100
153 114.8 89.2 133.8
152 57.6 42.0 63.0

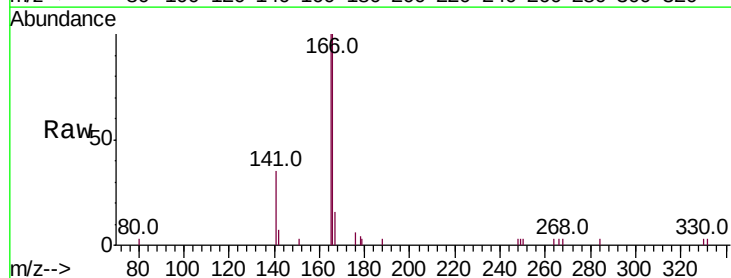


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

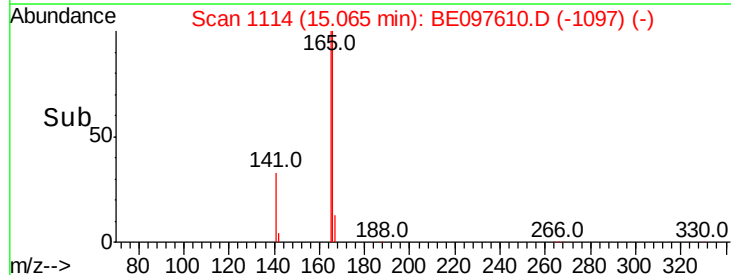
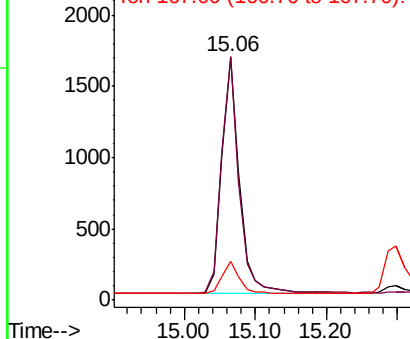


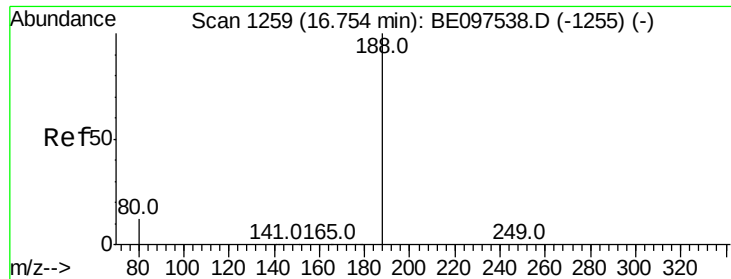
#18
Fluorene
Concen: 0.373 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:166 Resp: 2887
Ion Ratio Lower Upper
166 100
165 98.9 77.8 116.6
167 13.2 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# 1260

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

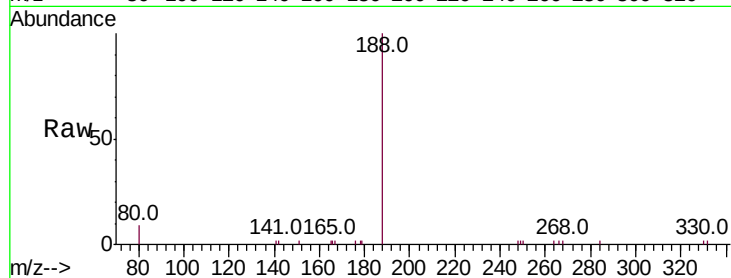
Tot Ion:188 Resp: 5147

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

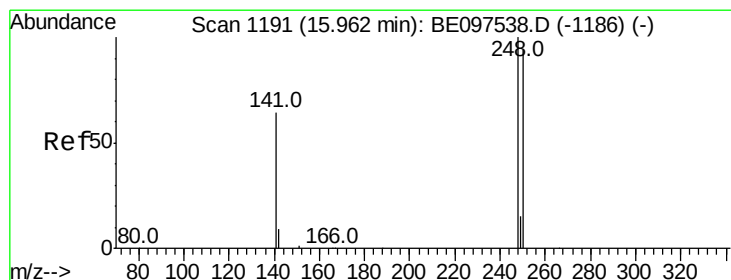
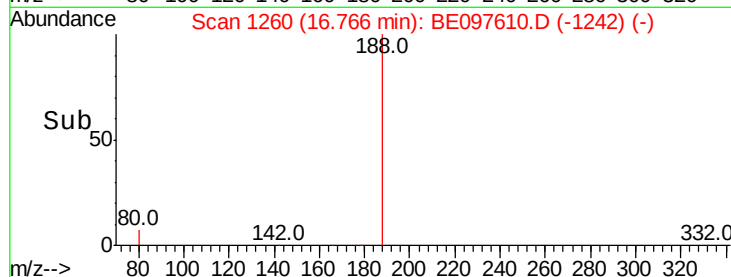
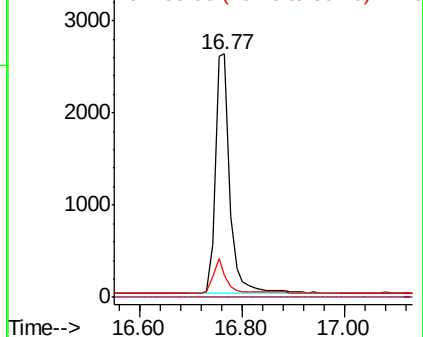
80 8.9 3.6 5.4#



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: 0.386 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

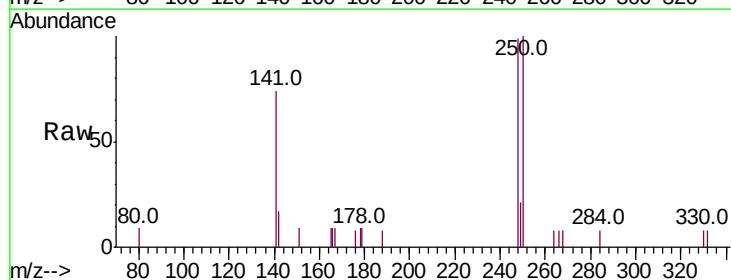
Tgt Ion:248 Resp: 896

Ion Ratio Lower Upper

248 100

250 101.3 62.7 94.1#

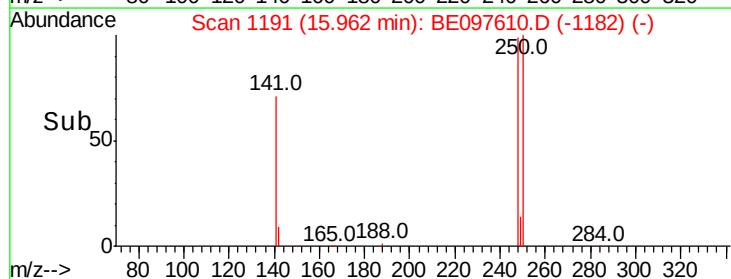
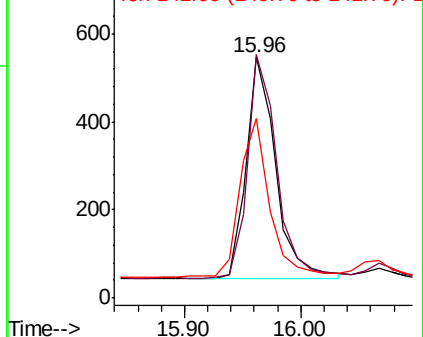
141 74.7 48.2 72.2#

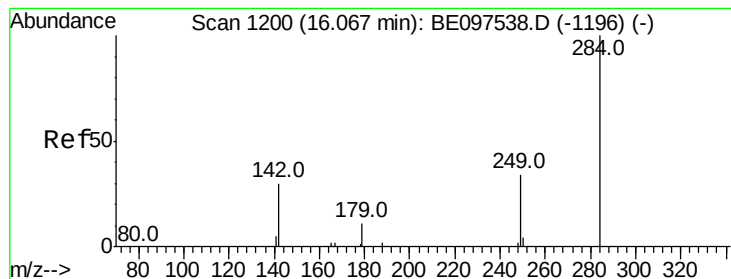


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.419 ng

RT: 16.07 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

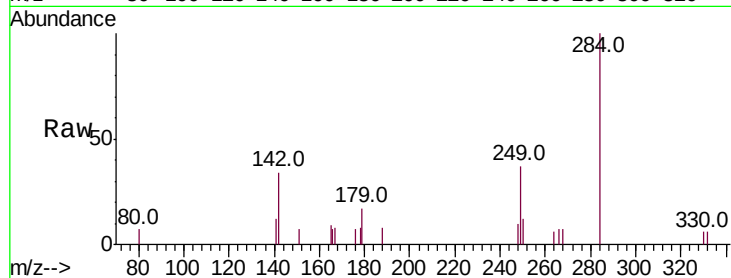
Tot Ion:284 Resp: 1070

Ion Ratio Lower Upper

284 100

142 31.7 22.1 33.1

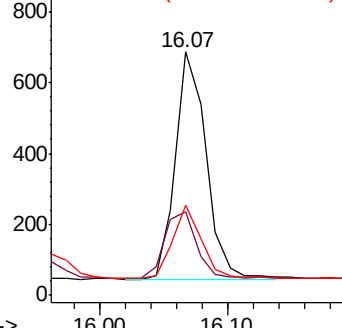
249 29.6 34.8 52.2#



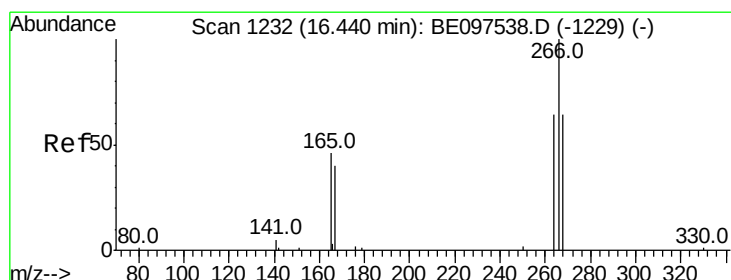
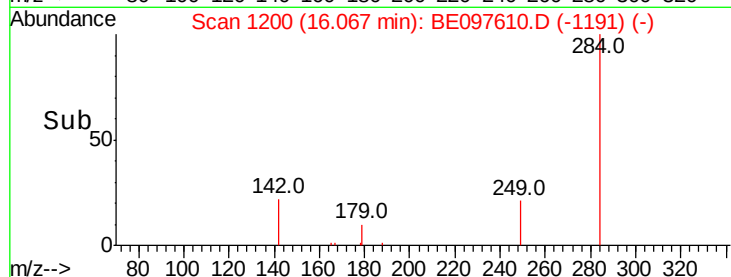
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.423 ng

RT: 16.45 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

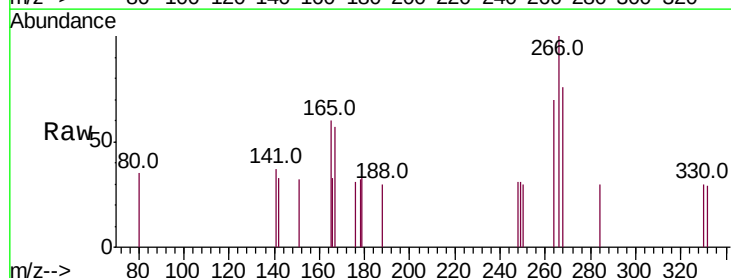
Tgt Ion:266 Resp: 335

Ion Ratio Lower Upper

266 100

264 70.0 72.5 108.7#

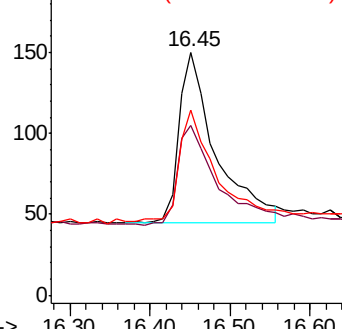
268 76.0 73.8 110.6



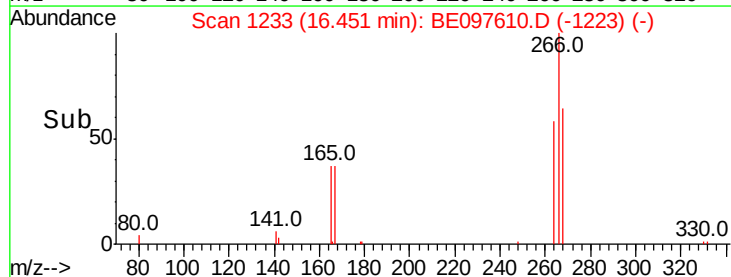
Abundance Ion 266.00 (265.70 to 266.70): E

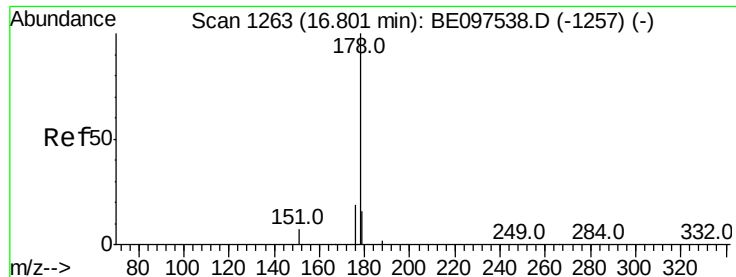
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.396 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

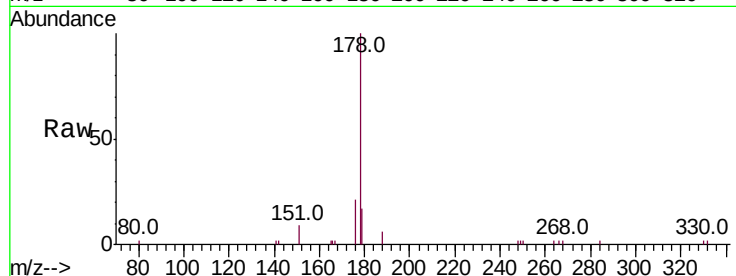
Tot Ion:178 Resp: 4837

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.5 11.8 17.6

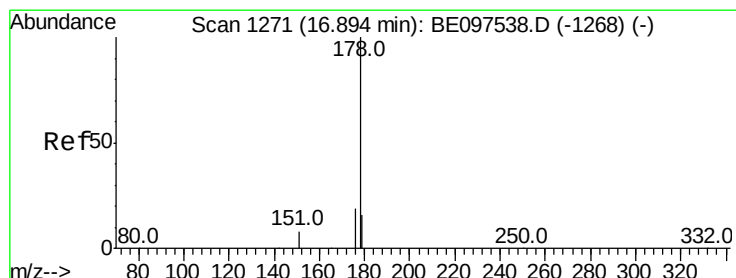
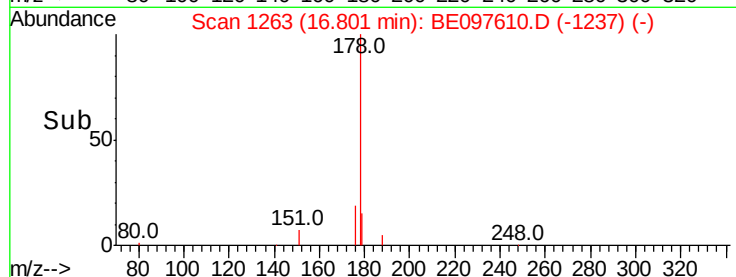
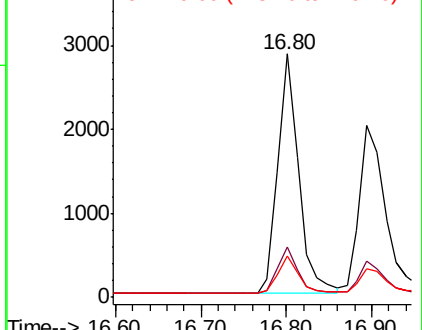


Abundance

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: 0.382 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

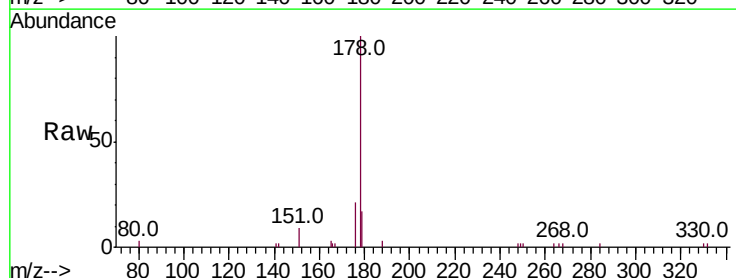
Tgt Ion:178 Resp: 4126

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

179 14.7 13.0 19.6

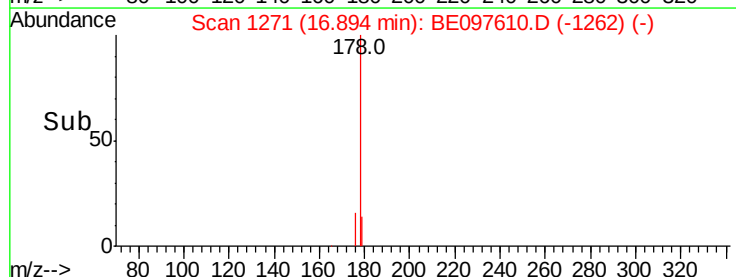
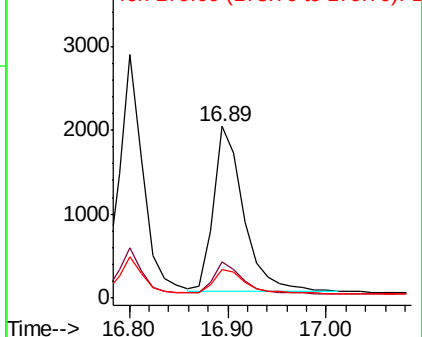


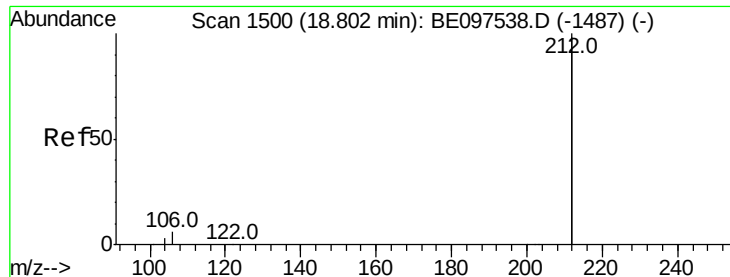
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

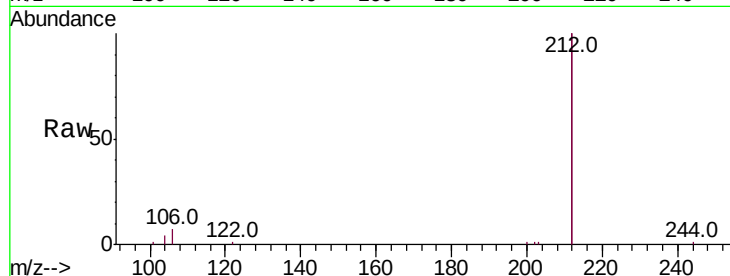
Tot Ion:212 Resp: 23946

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

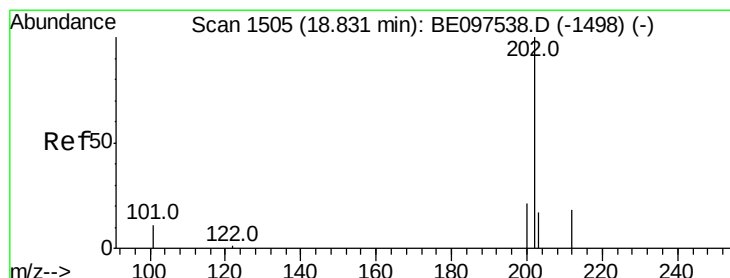
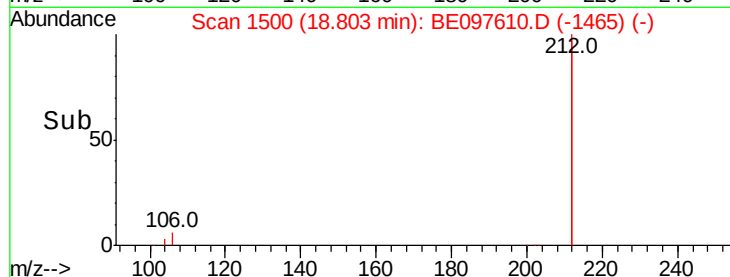
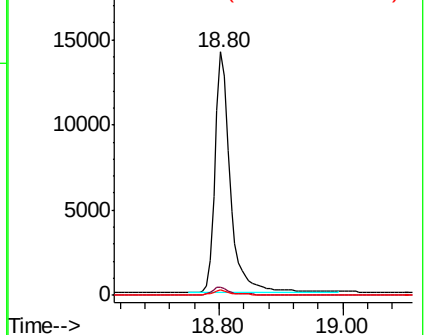
104 1.7 1.6 2.4



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: 0.338 ng

RT: 18.84 min Scan# 1506

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

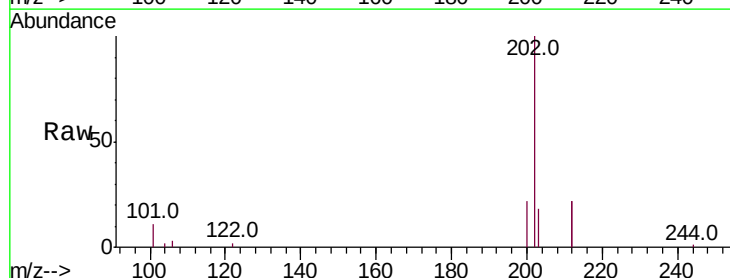
Tgt Ion:202 Resp: 5739

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

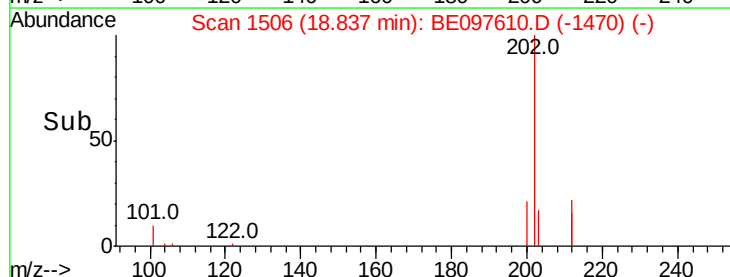
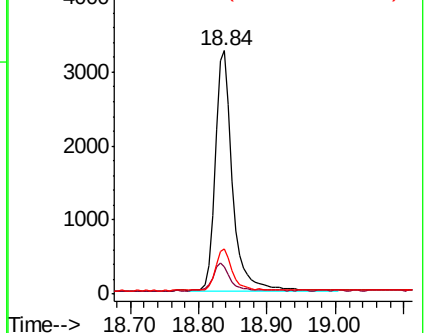
203 16.9 13.7 20.5

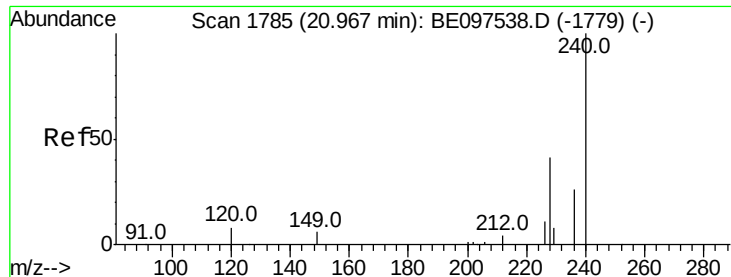


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

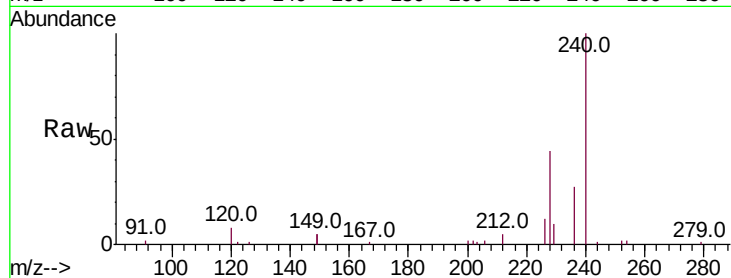
Tot Ion:240 Resp: 6869

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3#

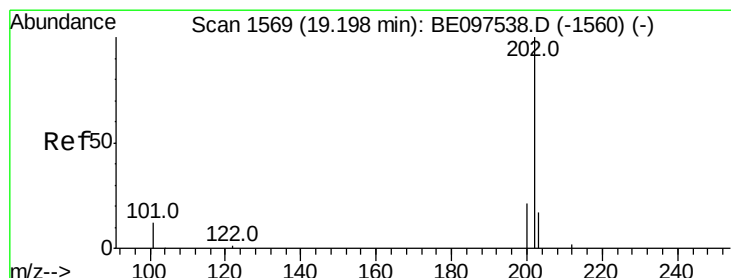
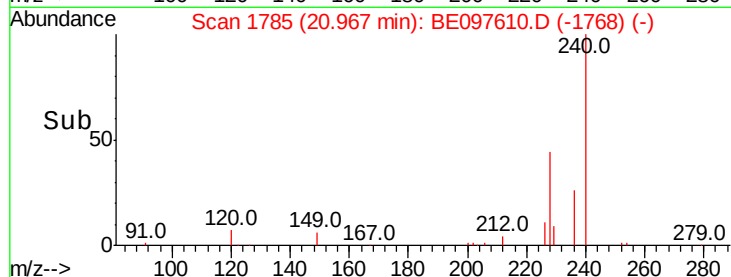
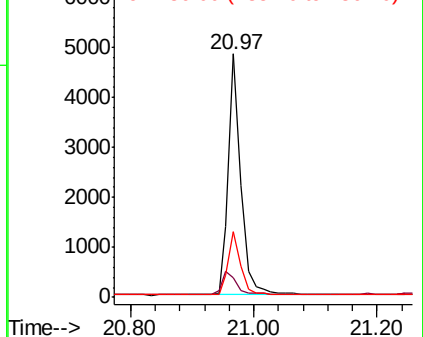
236 27.0 20.7 31.1



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: 0.376 ng

RT: 19.20 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

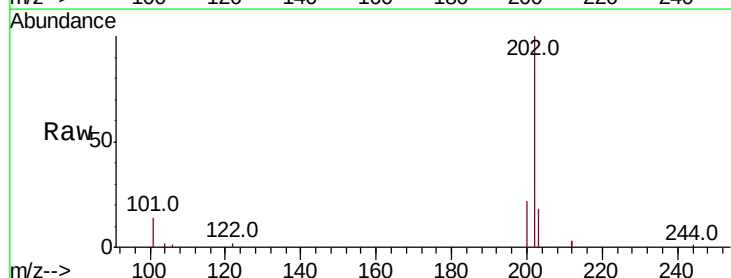
Tgt Ion:202 Resp: 5878

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

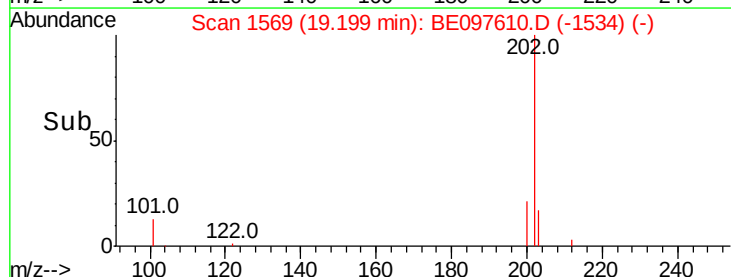
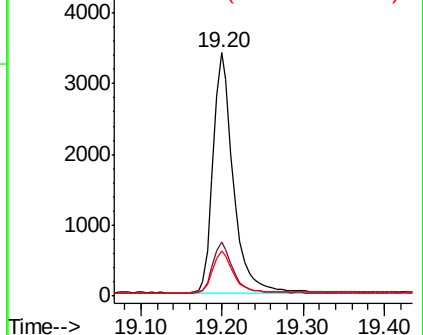
203 17.6 13.8 20.8

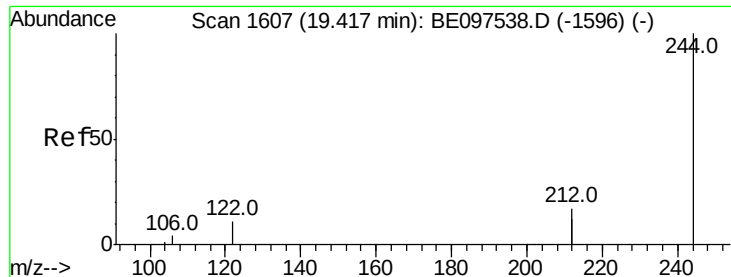


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 19.42 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

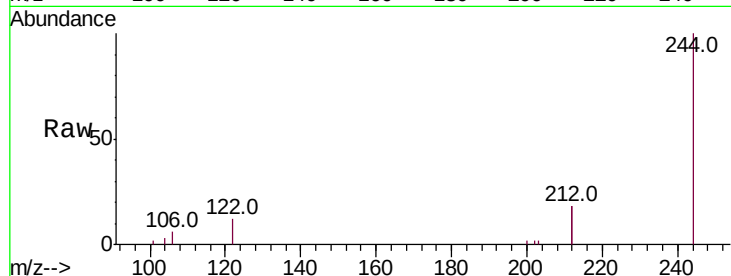
Tot Ion:244 Resp: 4183

Ion Ratio Lower Upper

244 100

212 37.0 25.4 38.0

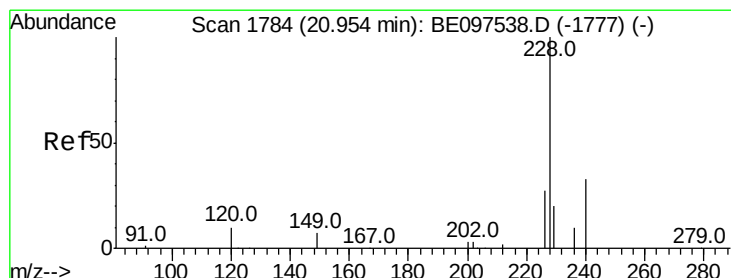
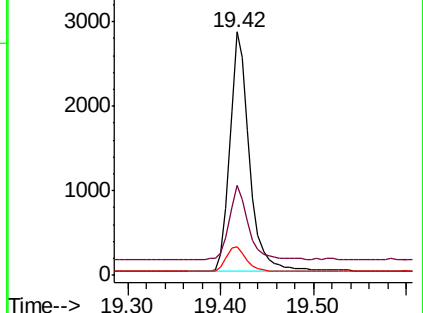
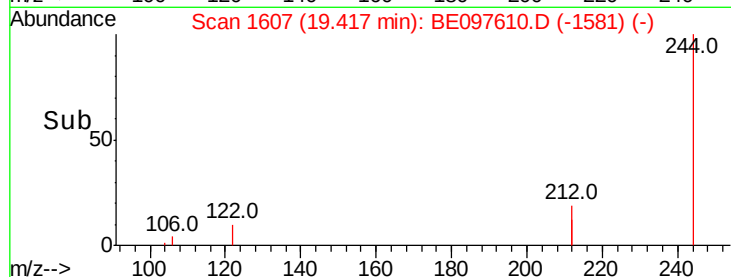
122 11.9 8.1 12.1



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: 0.393 ng

RT: 20.95 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

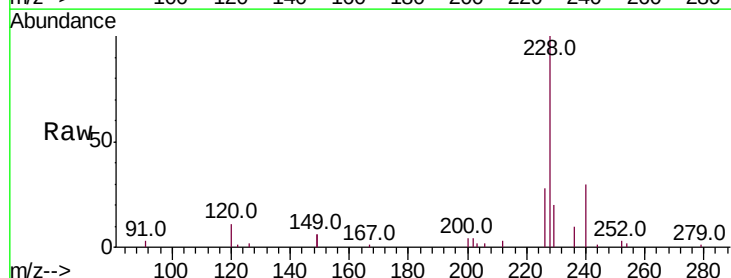
Tgt Ion:228 Resp: 6801

Ion Ratio Lower Upper

228 100

226 27.8 24.0 36.0

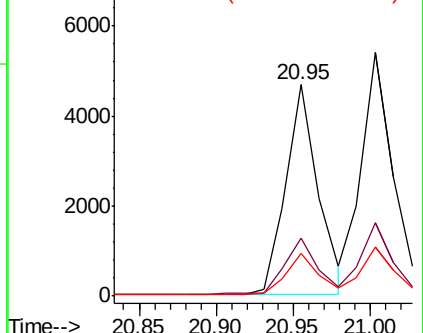
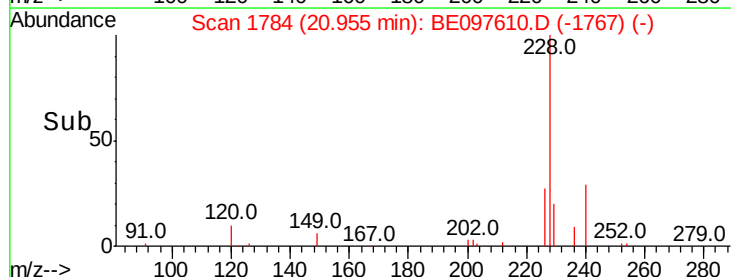
229 20.4 16.0 24.0

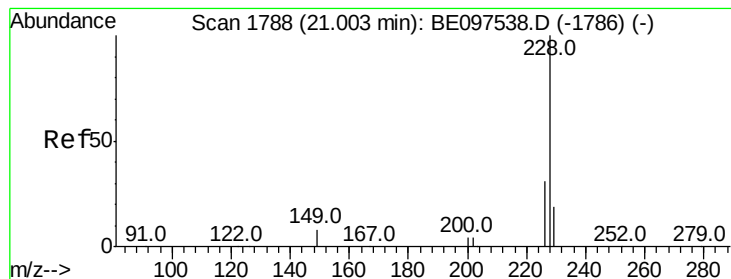


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.420 ng

RT: 21.00 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

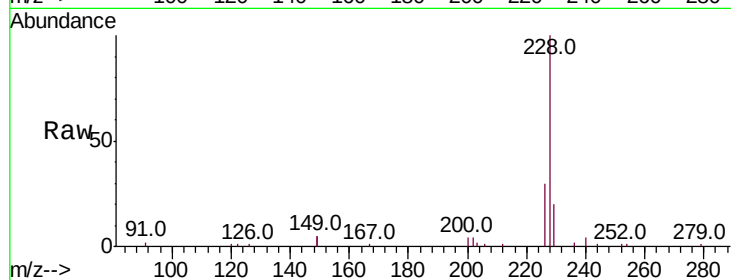
Tot Ion:228 Resp: 7788

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	20.0	16.0	24.0

228 100

226 30.1 24.0 36.0

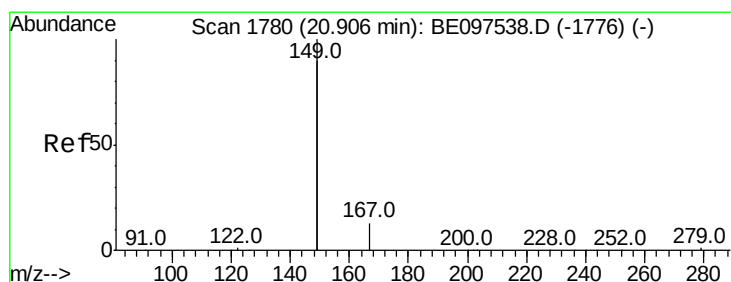
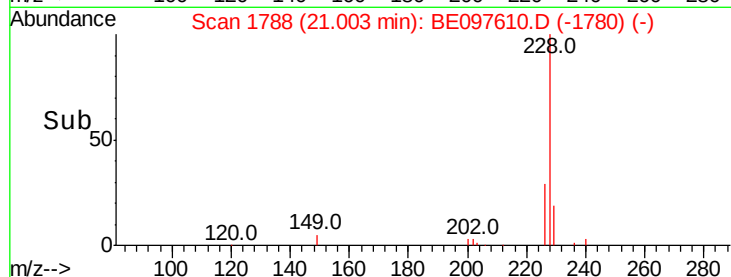
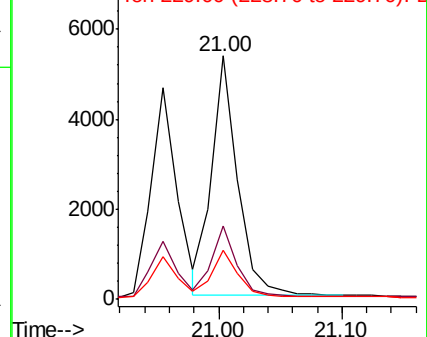
229 20.0 16.0 24.0



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: 0.256 ng

RT: 20.91 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

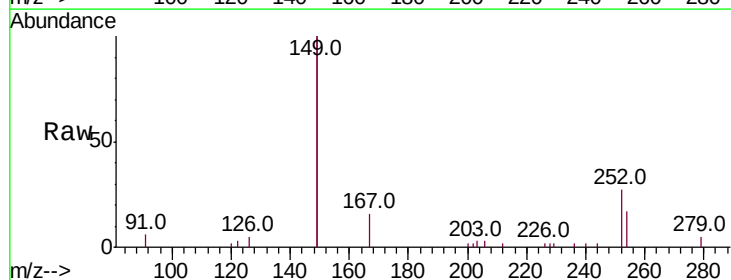
Tgt Ion:149 Resp: 7146

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.2	0.7	1.1#

149 100

167 6.9 5.4 8.0

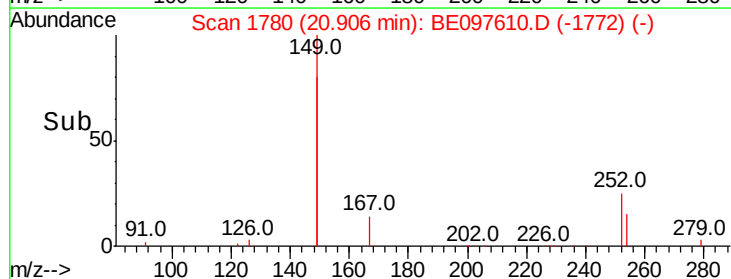
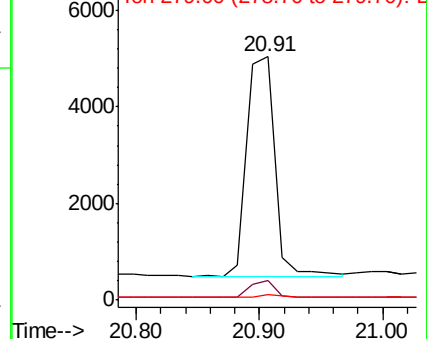
279 1.2 0.7 1.1#

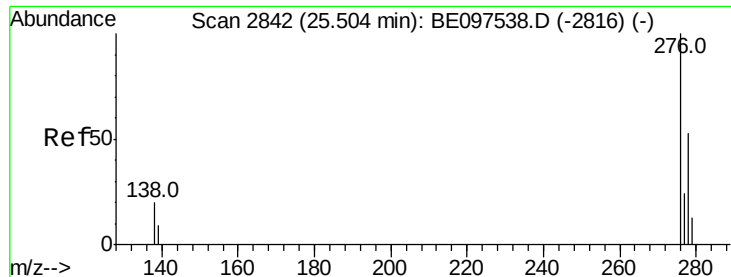


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.461 ng

RT: 25.50 min Scan# 2842

Delta R.T. 0.00 min

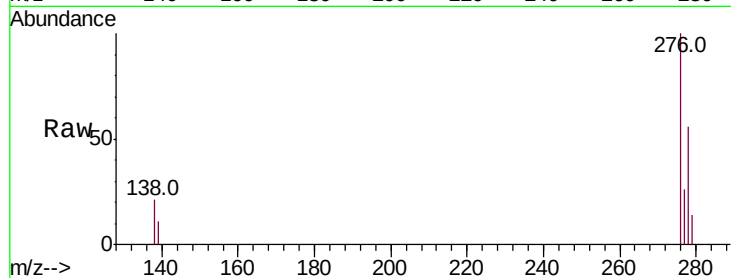
Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :



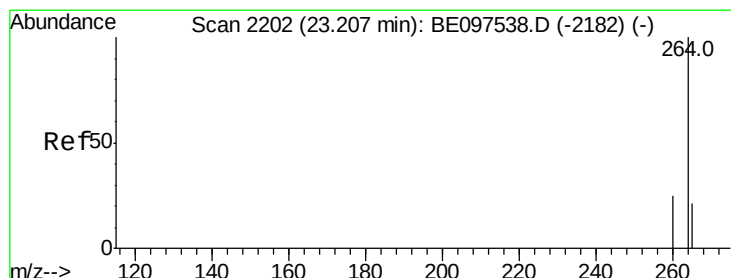
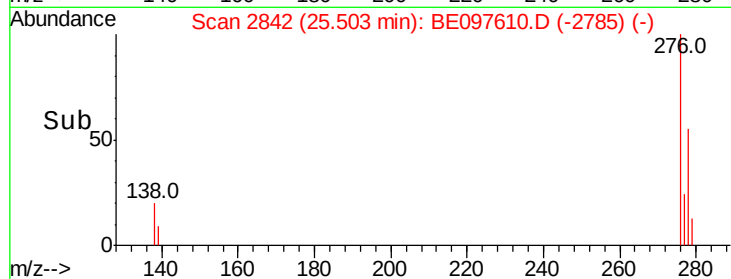
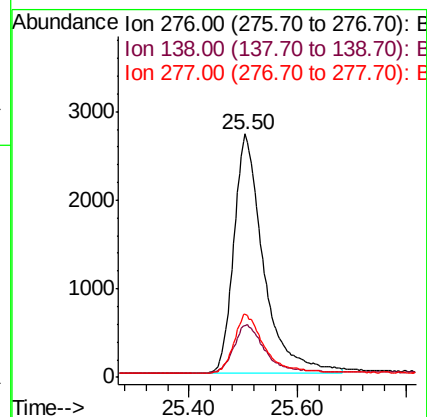
Tot Ion:276 Resp: 10296

Ion Ratio Lower Upper

276 100

138 21.2 22.5 33.7#

277 24.9 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

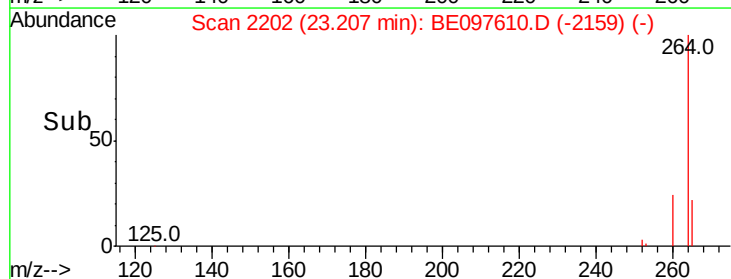
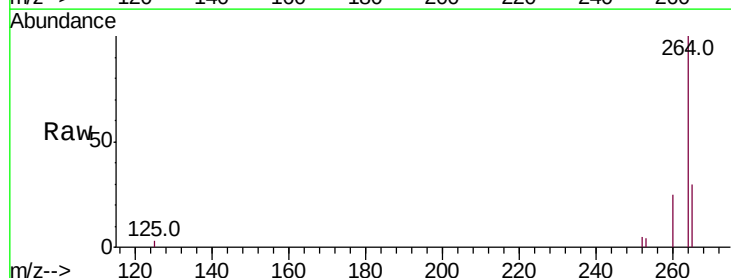
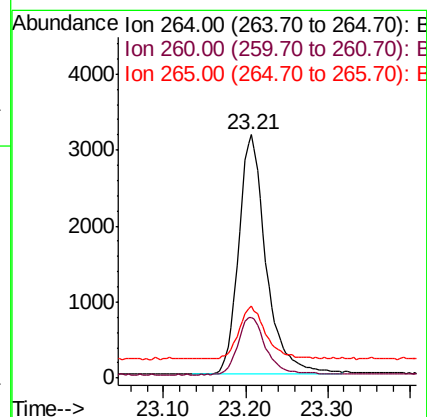
Tgt Ion:264 Resp: 7336

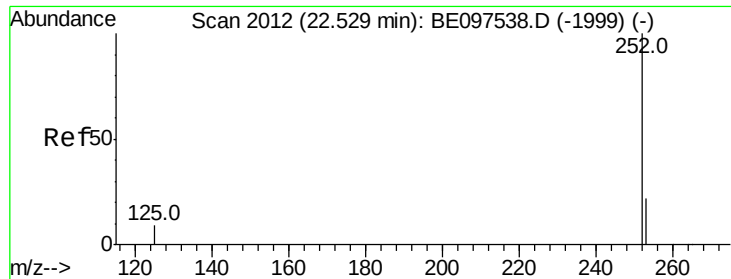
Ion Ratio Lower Upper

264 100

260 25.0 20.5 30.7

265 29.6 22.8 34.2

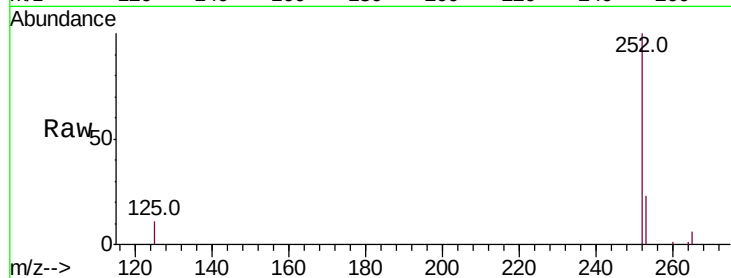




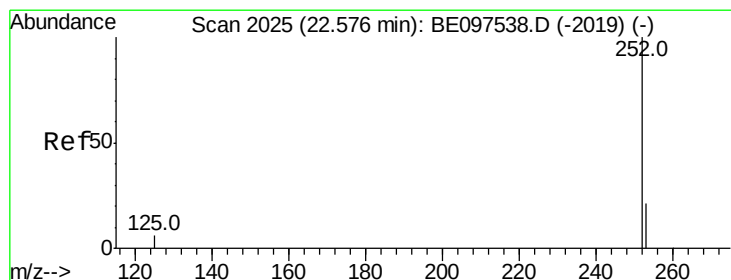
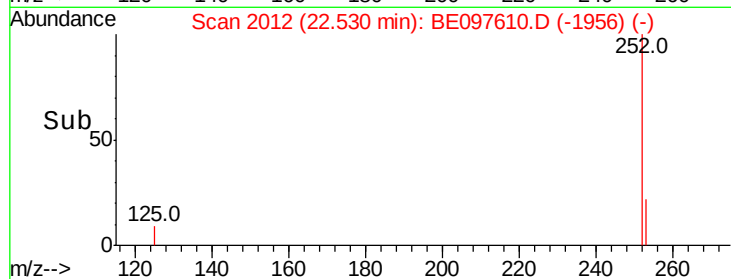
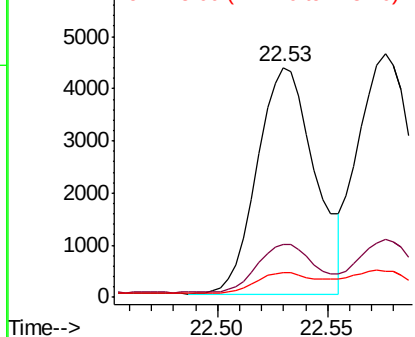
#35
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 7894
Ion Ratio Lower Upper
252 100
253 23.3 20.0 30.0
125 10.6 16.0 24.0#

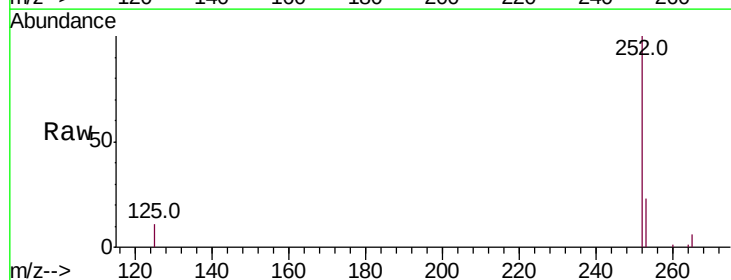


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

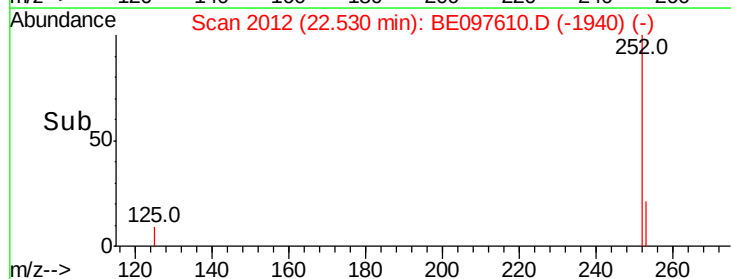
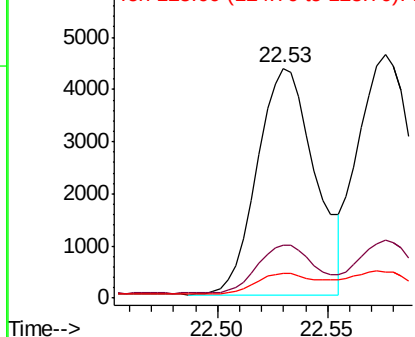


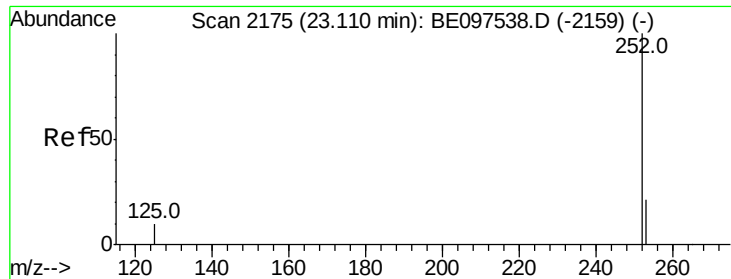
#36
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.04 min
Lab File: BE097610.D
Acq: 21 Sep 2018 14:12

Tgt Ion:252 Resp: 7894
Ion Ratio Lower Upper
252 100
253 23.3 16.0 24.0
125 10.6 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: 0.423 ng

RT: 23.11 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

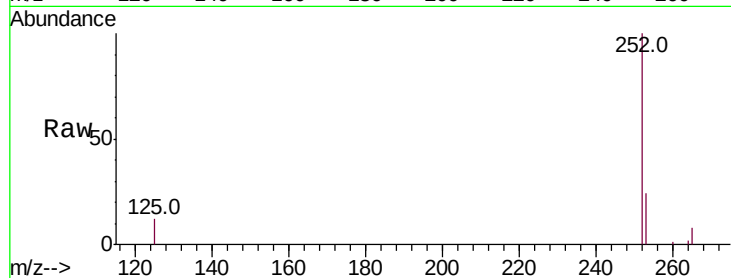
Tot Ion:252 Resp: 7728

Ion Ratio Lower Upper

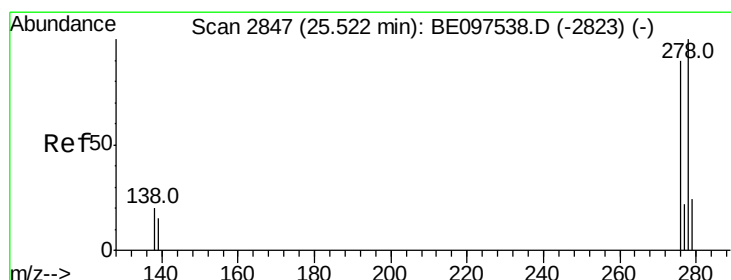
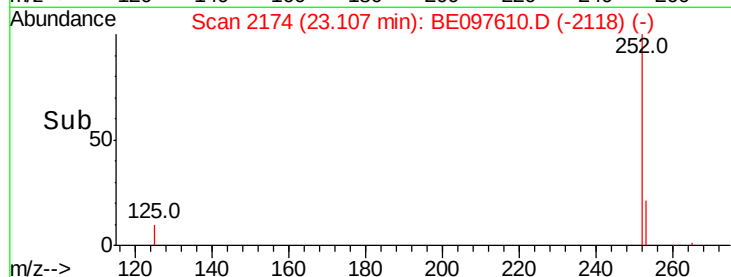
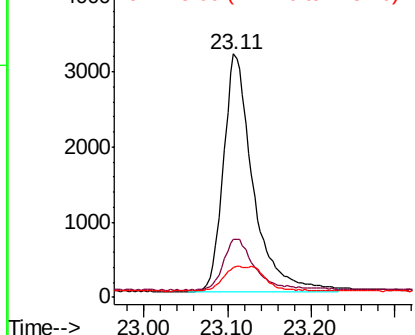
252 100

253 23.7 16.0 24.0

125 12.4 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.432 ng

RT: 25.52 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

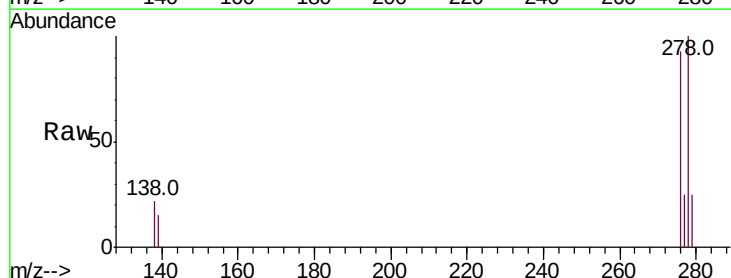
Tgt Ion:278 Resp: 8515

Ion Ratio Lower Upper

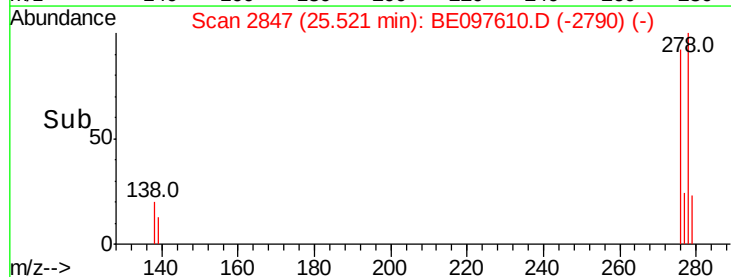
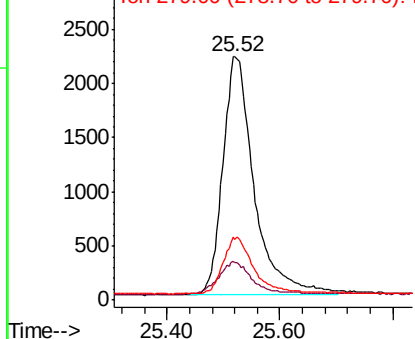
278 100

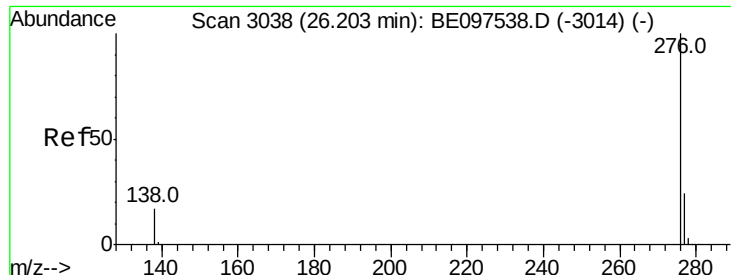
139 15.4 16.0 24.0#

279 24.9 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: 0.440 ng

RT: 26.21 min Scan# 3039

Delta R.T. 0.01 min

Lab File: BE097610.D

Acq: 21 Sep 2018 14:12

Instrument :

BNA_E

ClientSampleId :

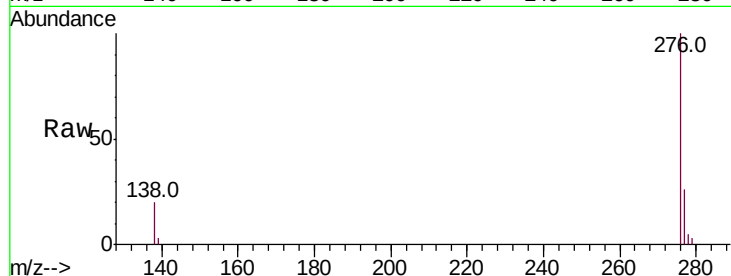
Tot Ion:276 Resp: 8430

Ion Ratio Lower Upper

276 100

277 25.7 16.0 24.0#

138 20.0 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

