

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
 Data File : BE097441.D
 Acq On : 10 Sep 2018 9:32
 Operator : SJ/JU
 Sample : PB112668BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 10:48:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	2271	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	9601	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	4675	0.40	ng	-0.01
19) Phenanthrene-d10	16.76	188	11026	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	15117	0.40	ng	0.00
34) Perylene-d12	23.20	264	16463	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1417	0.21	ng	0.00
5) Phenol-d6	6.60	99	1735	0.19	ng	0.00
8) Nitrobenzene-d5	8.52	82	1465	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3732	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	282	0.18	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3517	0.20	ng	0.00
25) Fluoranthene-d10	18.80	212	23361	0.18	ng	0.00
29) Terphenyl-d14	19.42	244	4043	0.14	ng	0.00

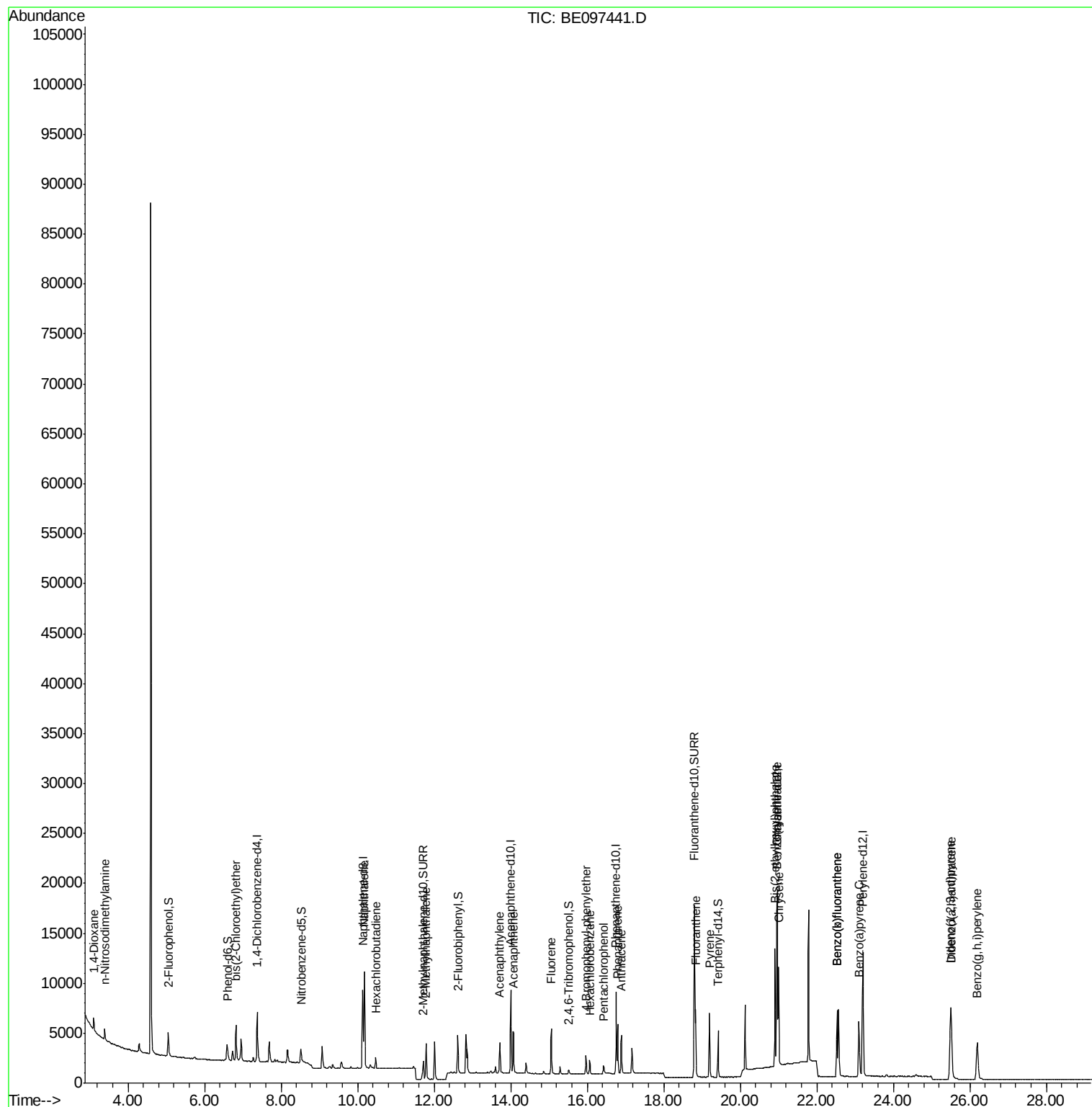
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	627	0.155	ng	# 65
3) n-Nitrosodimethylamine	3.38	42	699	0.185	ng	# 91
6) bis(2-Chloroethyl)ether	6.83	93	1393	0.169	ng	87
9) Naphthalene	10.17	128	17349	0.199	ng	100
10) Hexachlorobutadiene	10.47	225	734	0.188	ng	97
12) 2-Methylnaphthalene	11.79	142	2704	0.196	ng	100
16) Acenaphthylene	13.72	152	3577	0.192	ng	99
17) Acenaphthene	14.07	154	2341	0.189	ng	97
18) Fluorene	15.07	166	2869	0.183	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	904	0.180	ng	# 82
21) Hexachlorobenzene	16.07	284	1049	0.189	ng	# 84
22) Pentachlorophenol	16.43	266	525	0.446	ng	# 78
23) Phenanthrene	16.80	178	5101	0.194	ng	99
24) Anthracene	16.89	178	4468	0.200	ng	96
26) Fluoranthene	18.83	202	5984	0.182	ng	98
28) Pyrene	19.19	202	6131	0.170	ng	99
30) Benzo(a)anthracene	20.96	228	7794	0.204	ng	95
31) Chrysene	21.00	228	7817	0.190	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	11189	0.292	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	10223	0.153	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8303	0.197	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	8303	0.182	ng	95
37) Benzo(a)pyrene	23.10	252	8160	0.192	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	8485	0.149	ng	96
39) Benzo(g,h,i)perylene	26.19	276	8522	0.133	ng	# 89

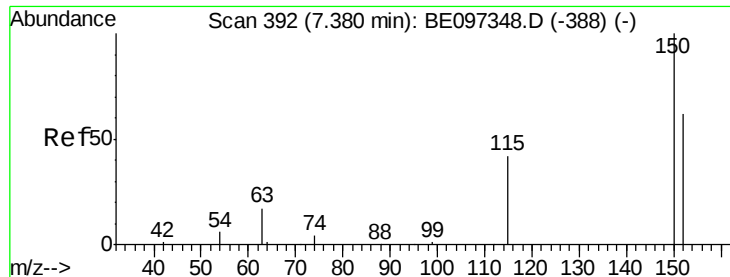
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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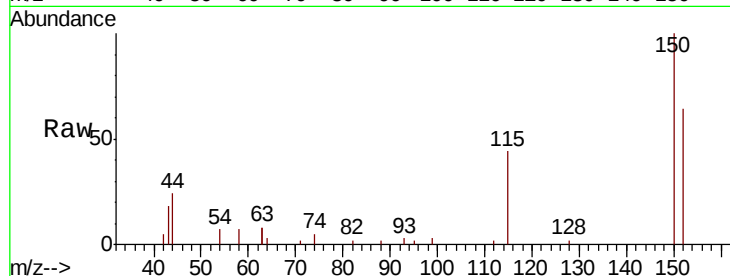


#1

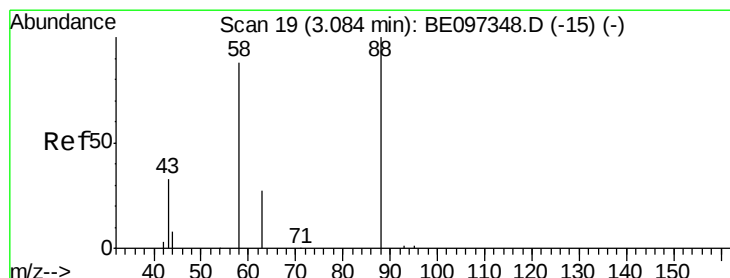
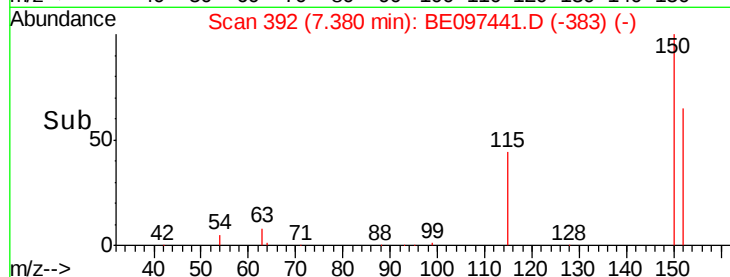
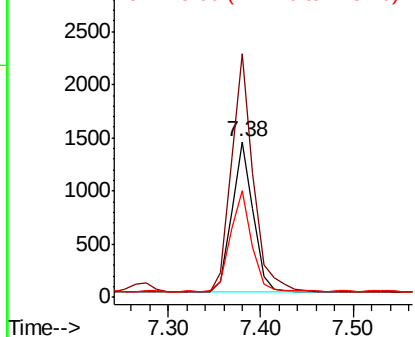
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2271
Ion Ratio Lower Upper
152 100
150 156.8 117.2 175.8
115 68.7 57.0 85.6



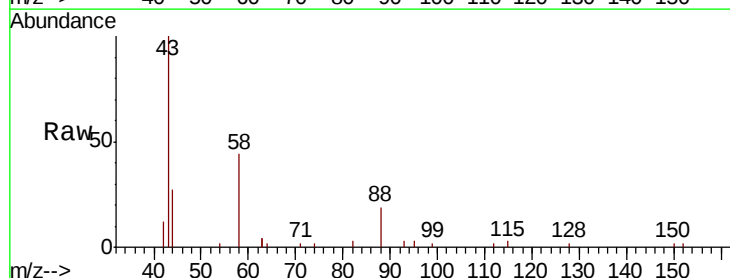
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



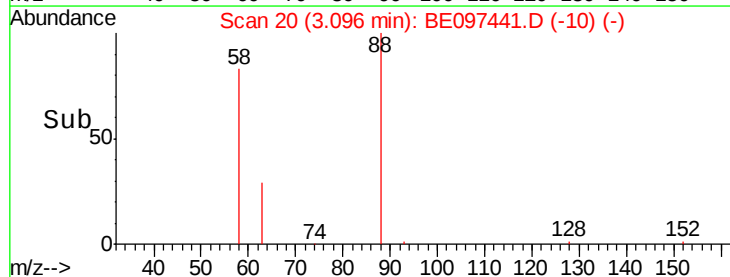
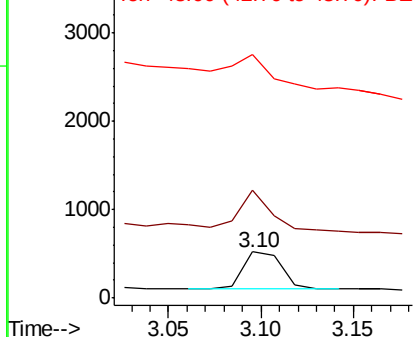
#2

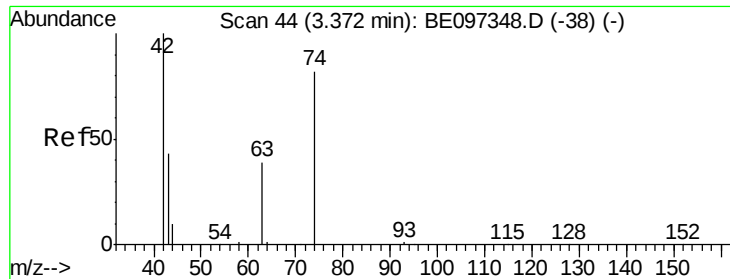
1,4-Dioxane
Concen: 0.155 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion: 88 Resp: 627
Ion Ratio Lower Upper
88 100
58 87.9 63.2 94.8
43 0.0 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

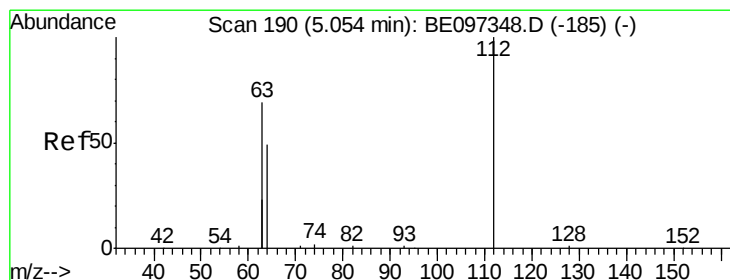
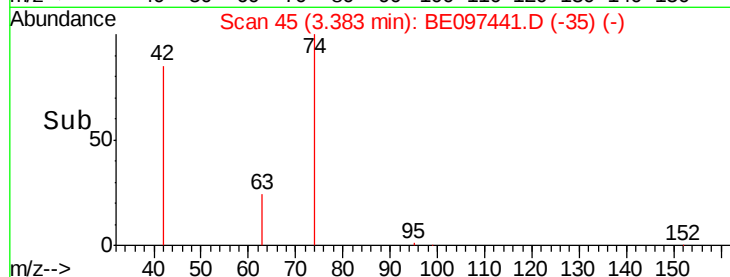
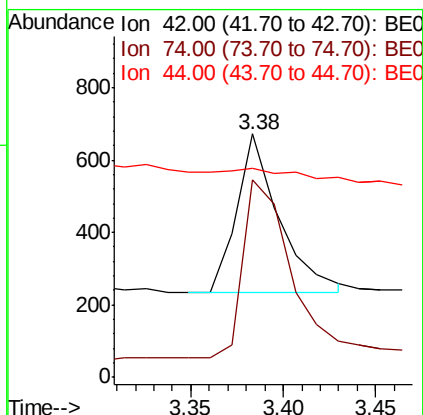
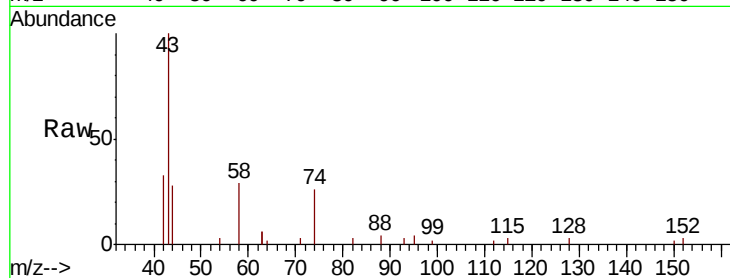




#3
 n-Nitrosodimethylamine
 Concen: 0.185 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

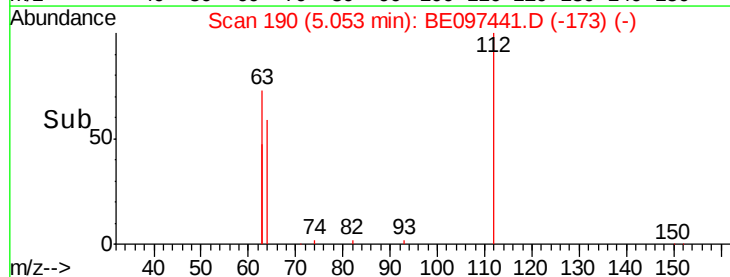
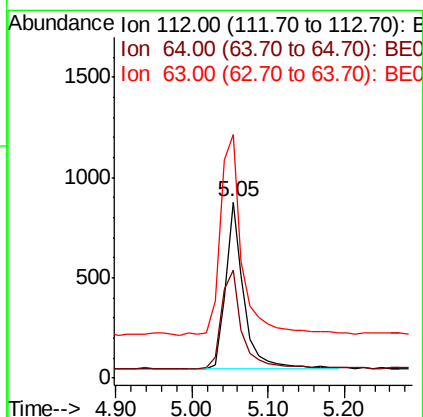
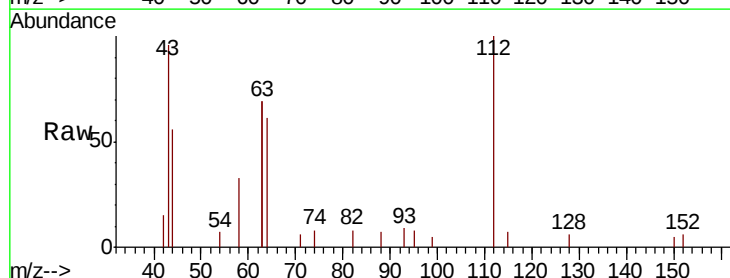
Instrument :
 BNA_E
 ClientSampleId :

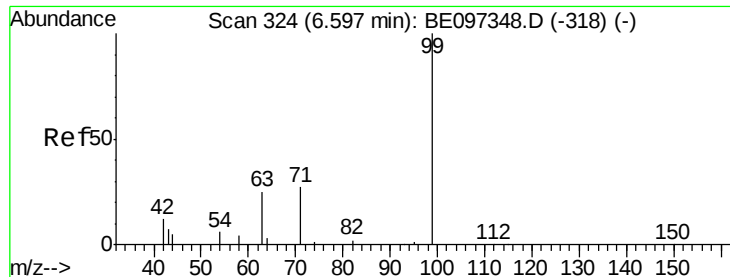
Tot Ion: 42 Resp: 699
 Ion Ratio Lower Upper
 42 100
 74 126.3 96.0 144.0
 44 0.0 12.0 18.0#



#4
 2-Fluorophenol
 Concen: 0.211 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Tgt Ion: 112 Resp: 1417
 Ion Ratio Lower Upper
 112 100
 64 67.0 60.1 90.1
 63 144.5 116.8 175.2





#5

Phenol-d6

Concen: 0.193 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

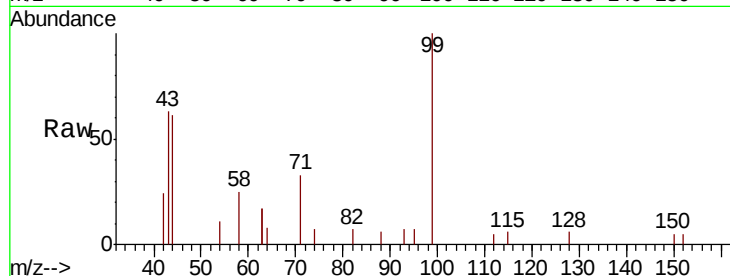
Tot Ion: 99 Resp: 1735

Ion Ratio Lower Upper

99 100

42 22.8 20.2 30.2

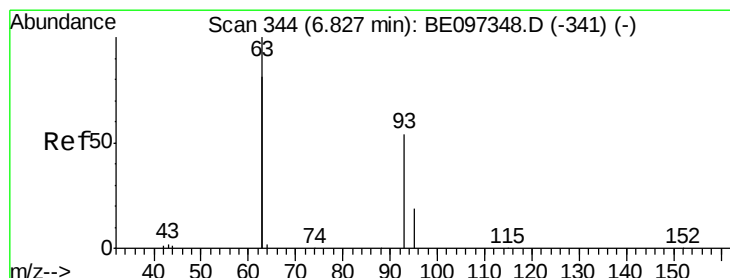
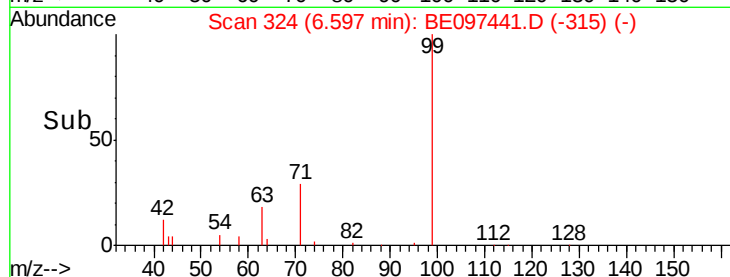
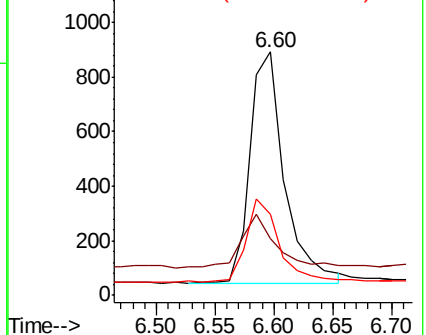
71 34.2 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.169 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

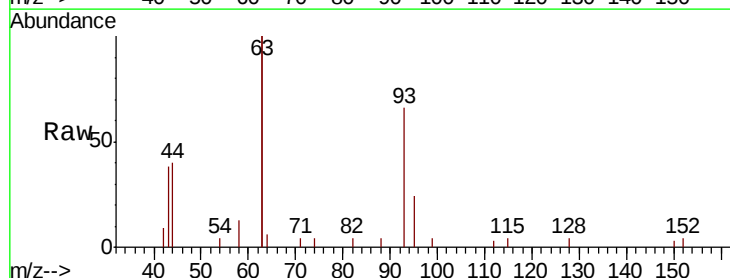
Tgt Ion: 93 Resp: 1393

Ion Ratio Lower Upper

93 100

63 313.7 275.3 412.9

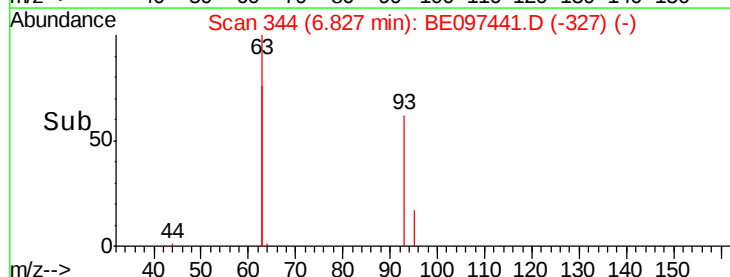
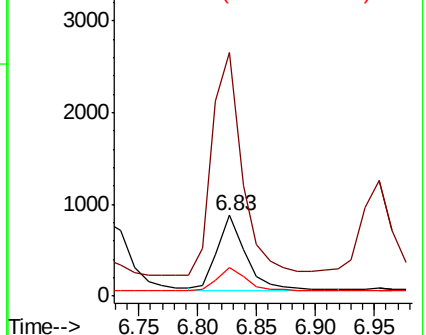
95 32.4 25.2 37.8

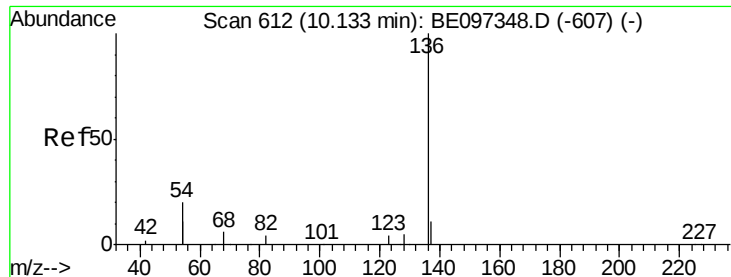


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9601

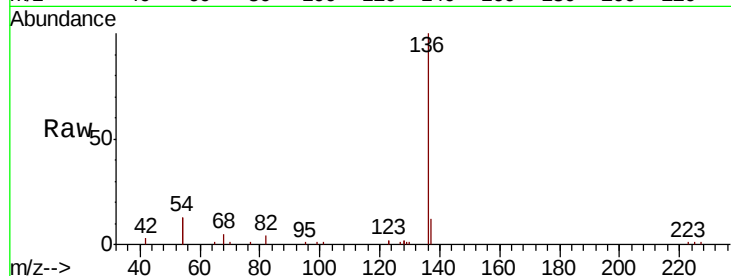
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 25.2 29.1 43.7#

68 5.4 6.2 9.2#

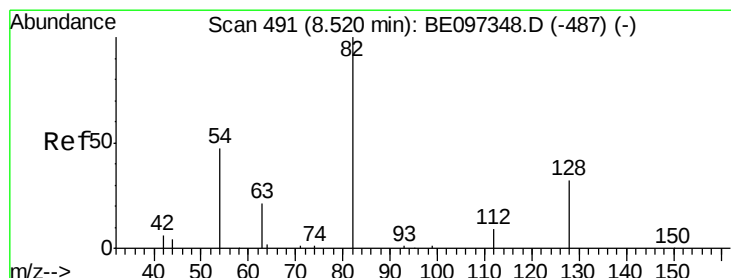
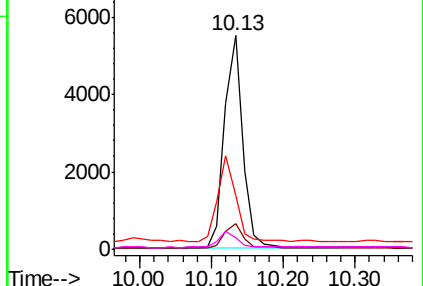
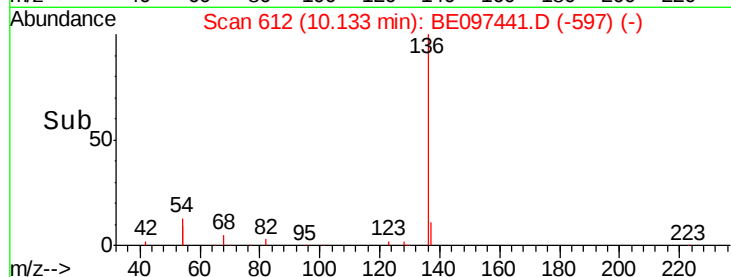


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.213 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

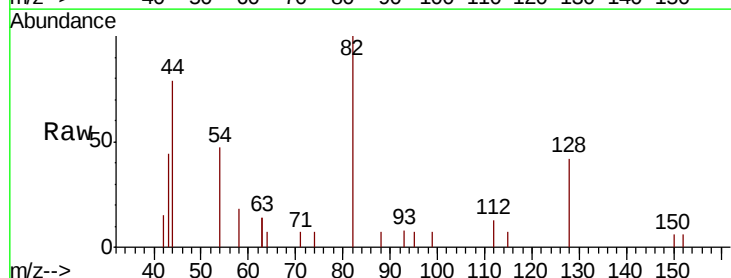
Tgt Ion: 82 Resp: 1465

Ion Ratio Lower Upper

82 100

128 42.0 24.0 36.0#

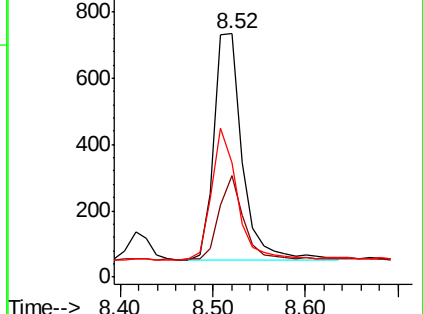
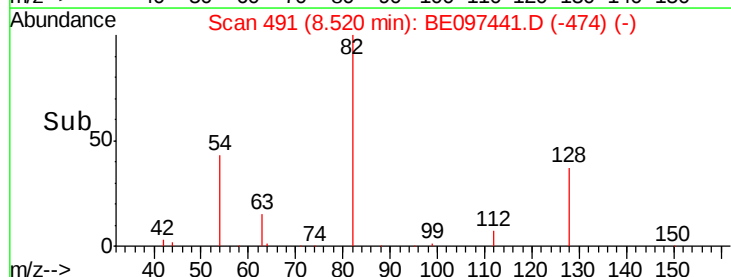
54 47.1 40.0 60.0

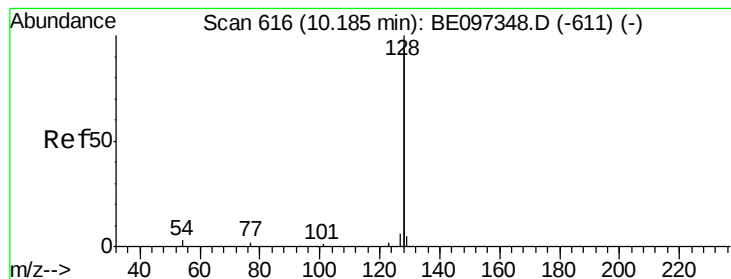


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.199 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

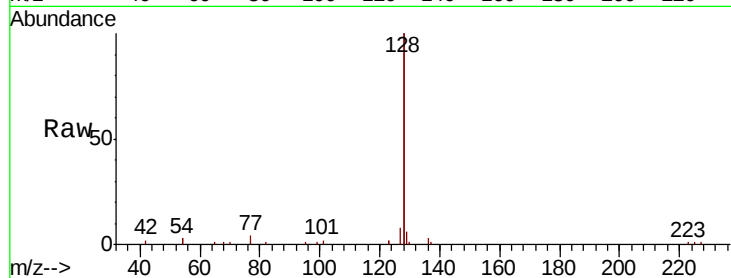
Tot Ion:128 Resp: 17349

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

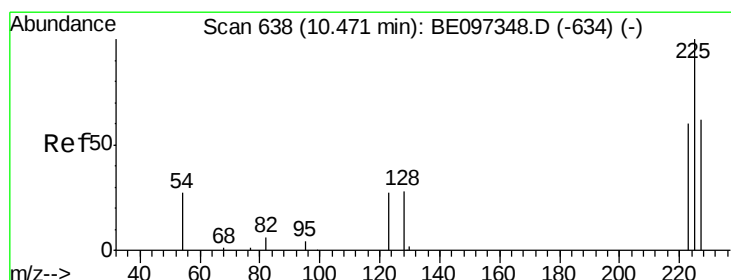
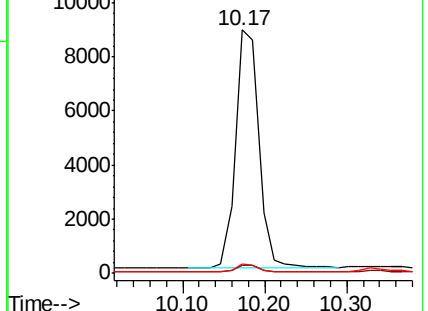
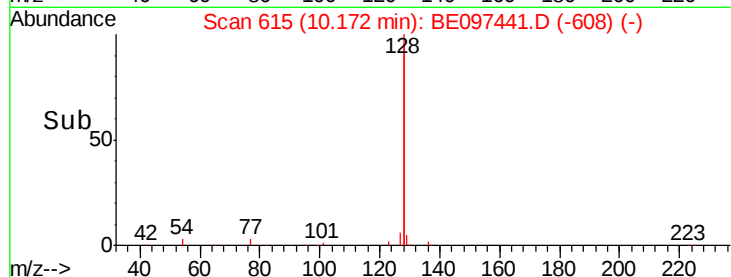
127 3.8 2.8 4.2



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: 0.188 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

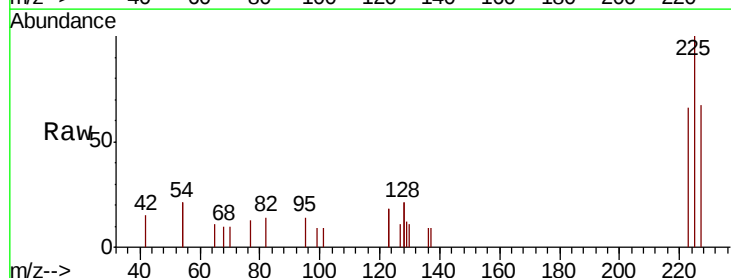
Tgt Ion:225 Resp: 734

Ion Ratio Lower Upper

225 100

223 61.6 53.0 79.6

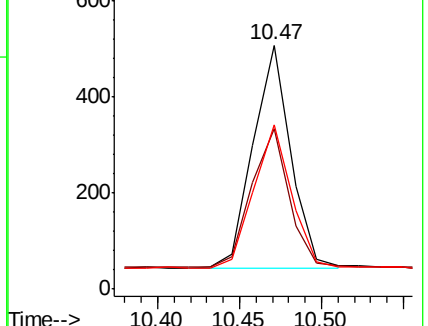
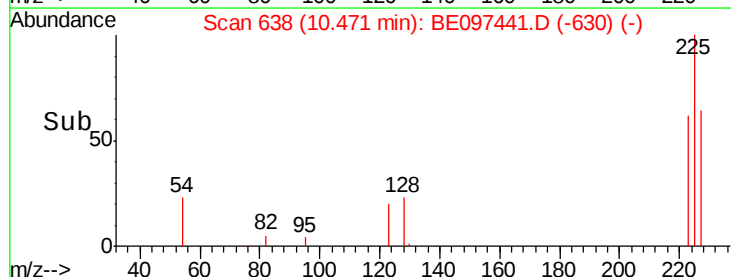
227 64.3 51.4 77.2

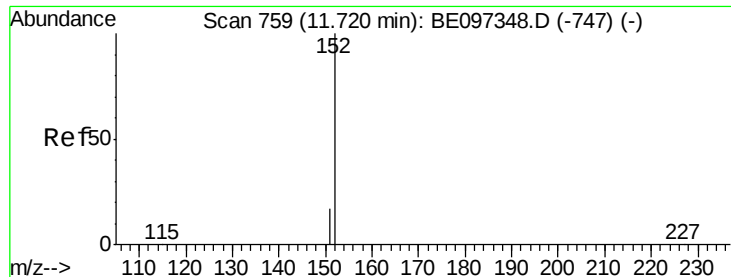


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

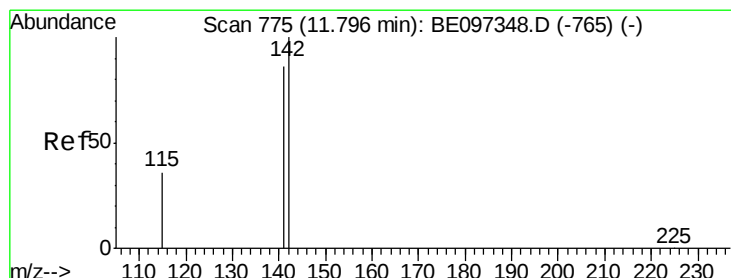
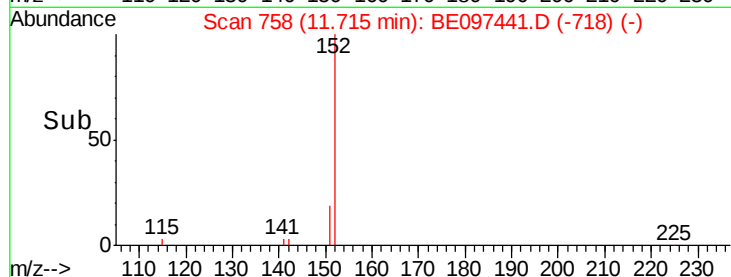
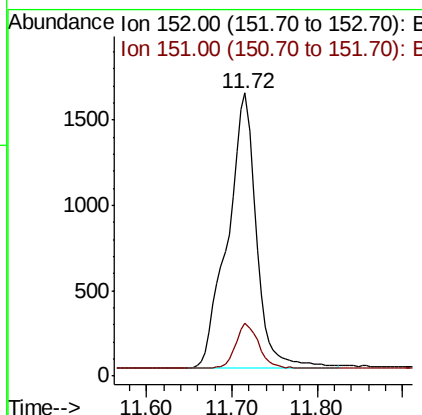
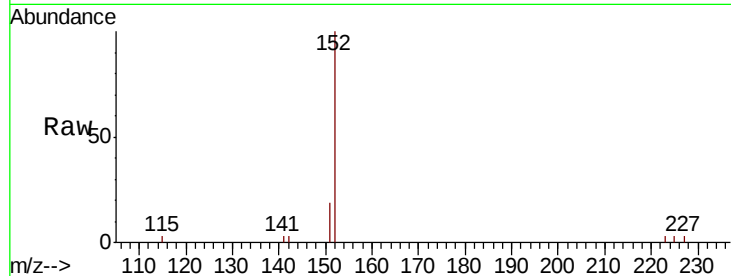




#11
 2-Methylnaphthalene-d10
 Concen: 0.279 ng
 RT: 11.72 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

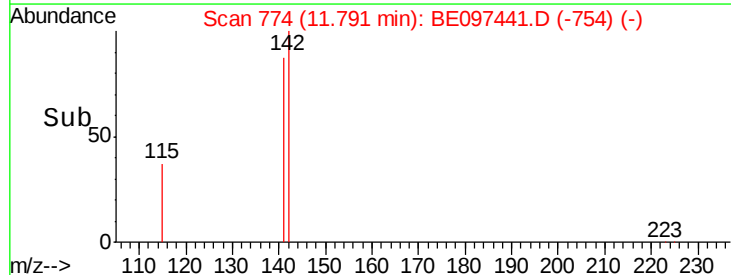
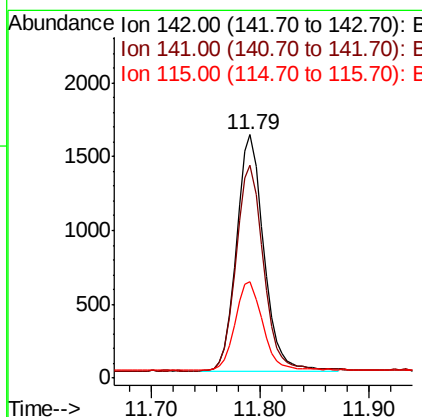
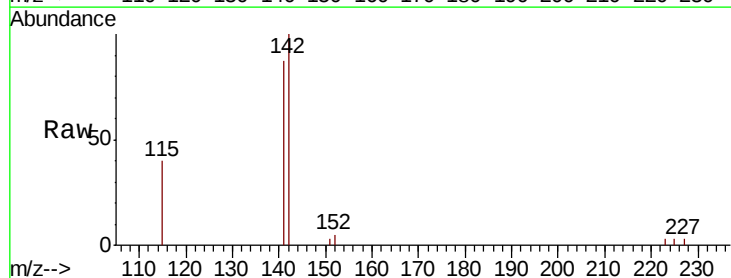
Instrument :
 BNA_E
 ClientSampleId :

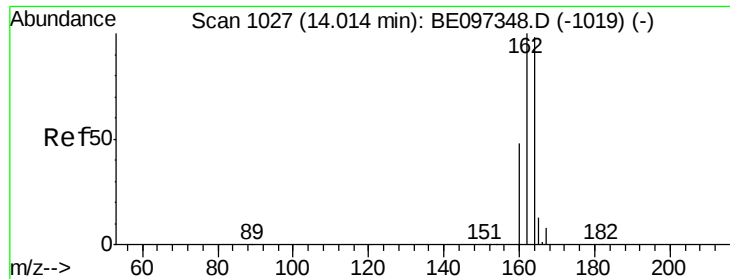
Tot Ion:152 Resp: 3732
 Ion Ratio Lower Upper
 152 100
 151 13.0 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 0.196 ng
 RT: 11.79 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Tgt Ion:142 Resp: 2704
 Ion Ratio Lower Upper
 142 100
 141 87.4 70.4 105.6
 115 39.7 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

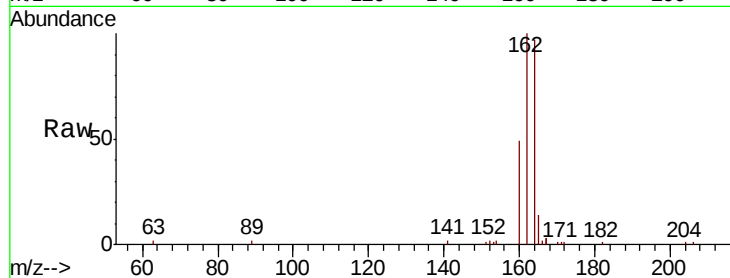
Tot Ion:164 Resp: 4675

Ion Ratio Lower Upper

164 100

162 103.5 83.1 124.7

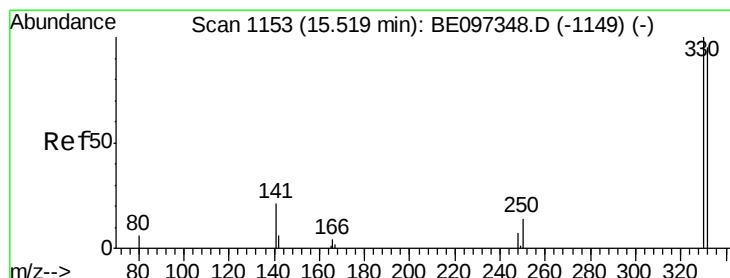
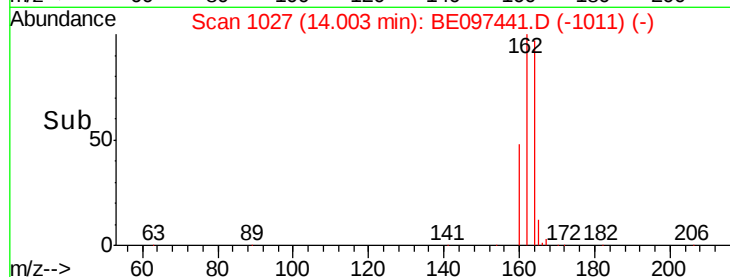
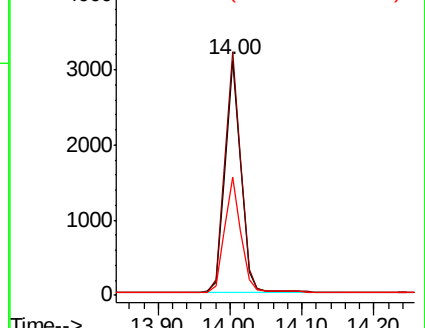
160 50.5 37.1 55.7



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: 0.178 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

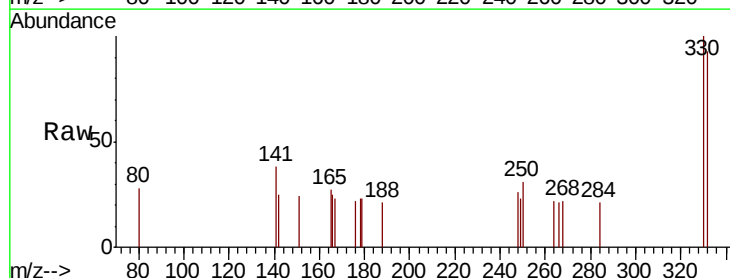
Tgt Ion:330 Resp: 282

Ion Ratio Lower Upper

330 100

332 92.6 152.7 229.1#

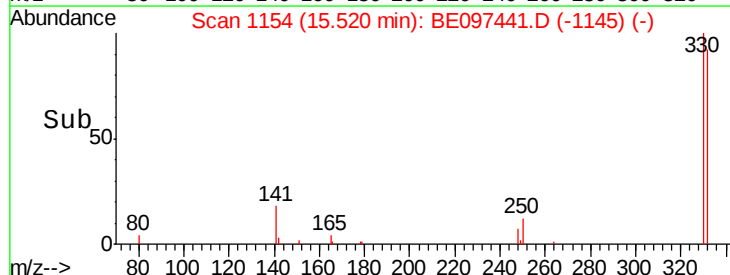
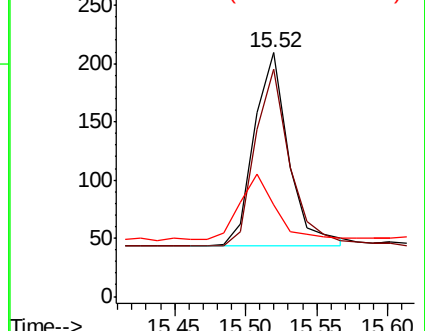
141 37.2 33.7 50.5

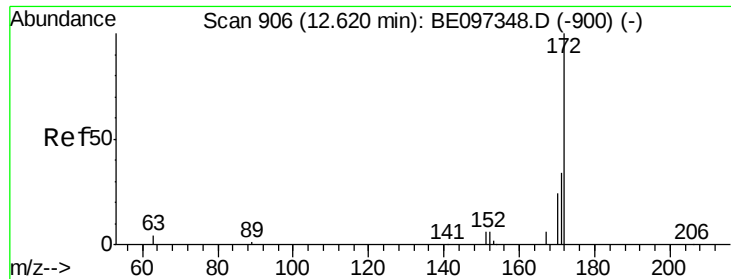


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

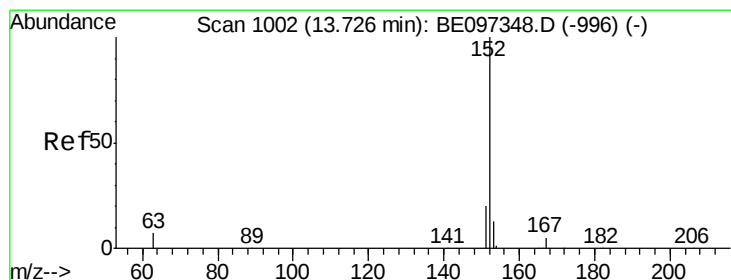
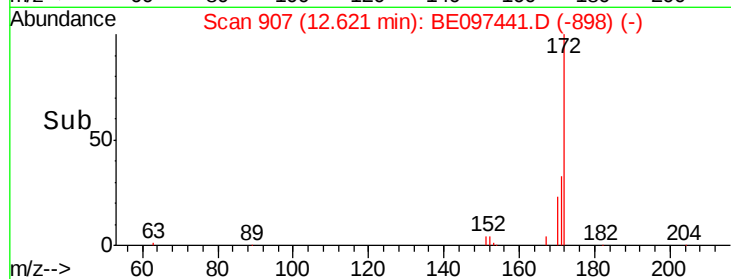
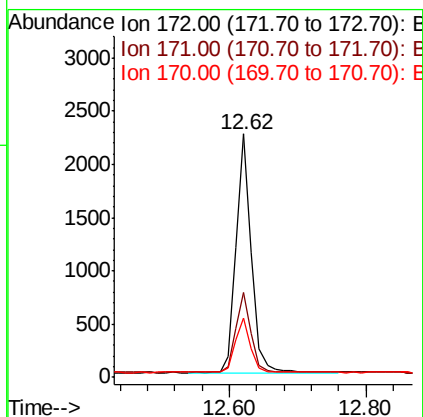
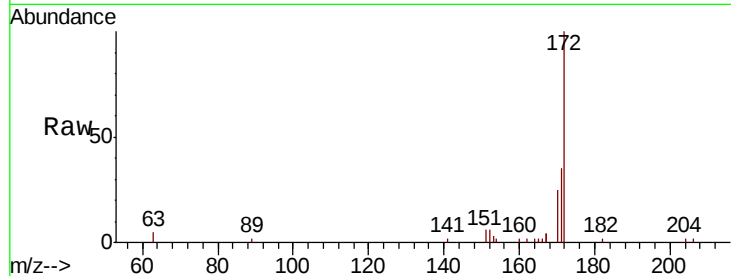




#15
2-Fluorobiphenyl
Concen: 0.205 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

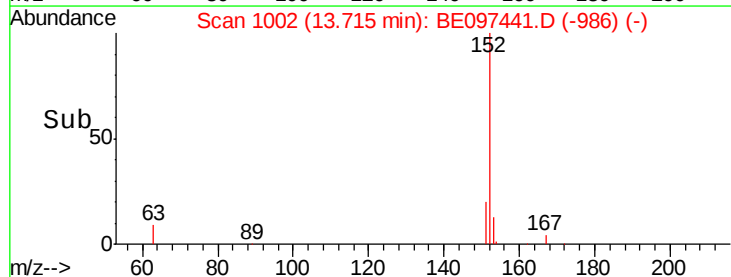
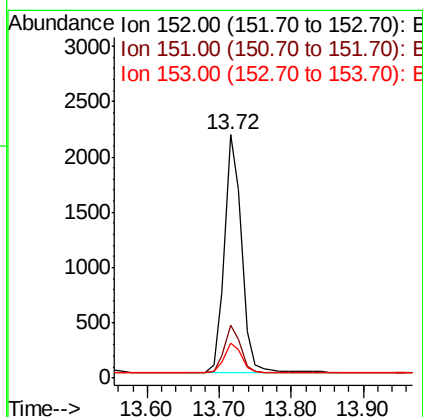
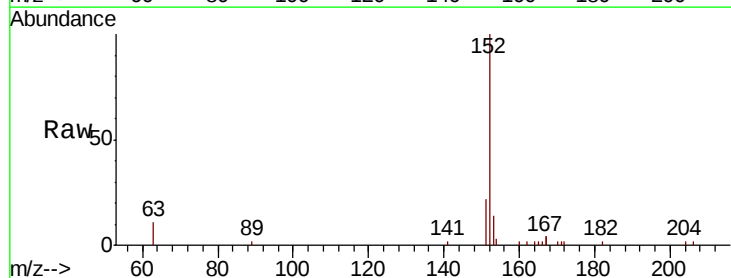
Instrument :
BNA_E
ClientSampleId :

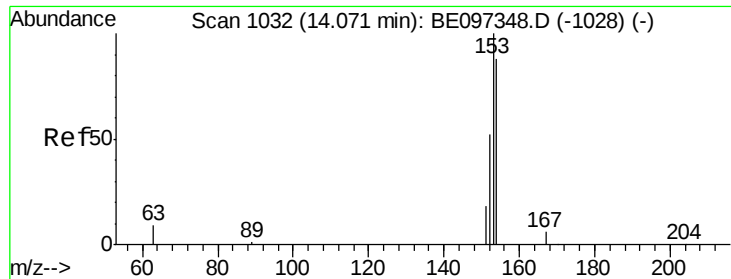
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.9	44.9
170	24.5	21.8	32.8



#16
Acenaphthylene
Concen: 0.192 ng
RT: 13.72 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	13.2	10.5	15.7





#17

Acenaphthene

Concen: 0.189 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

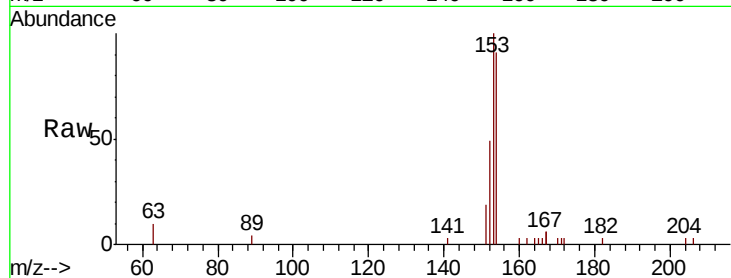
Tot Ion:154 Resp: 2341

Ion Ratio Lower Upper

154 100

153 113.3 89.2 133.8

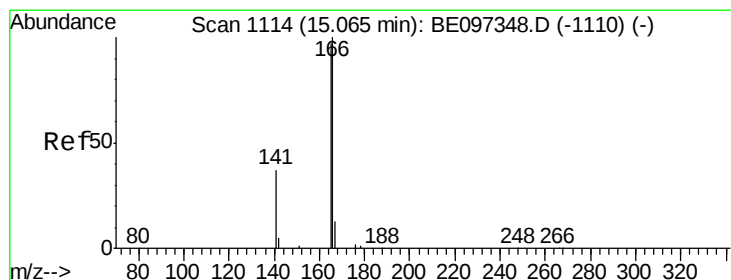
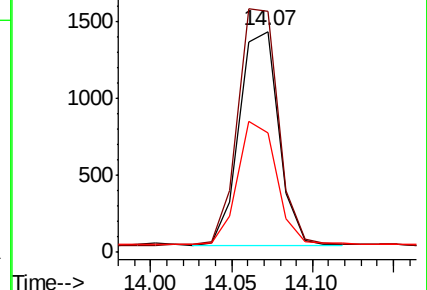
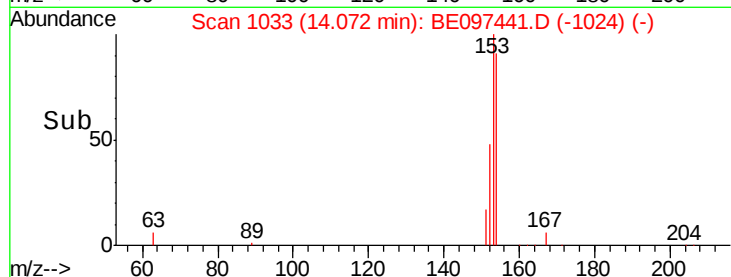
152 56.8 42.0 63.0



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: 0.183 ng

RT: 15.07 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

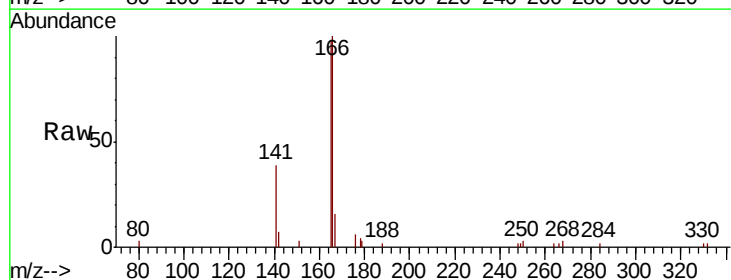
Tgt Ion:166 Resp: 2869

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.6

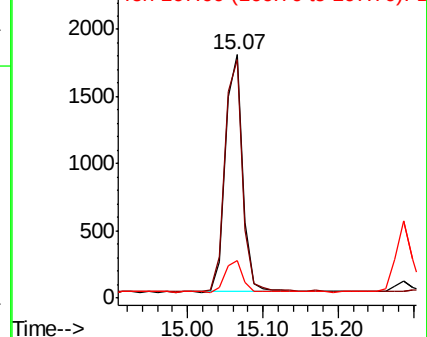
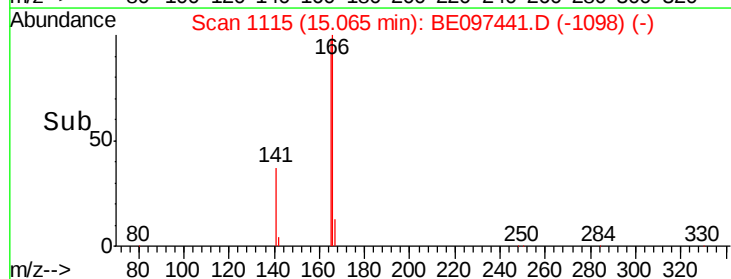
167 13.7 42.4 63.6#

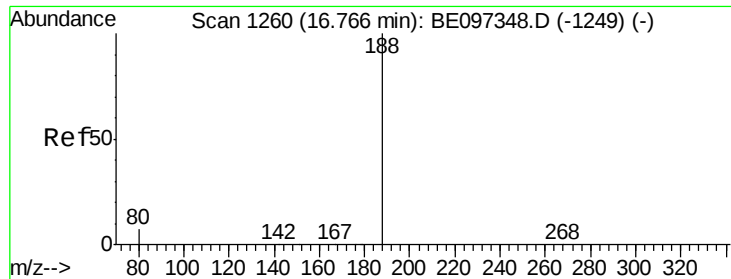


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

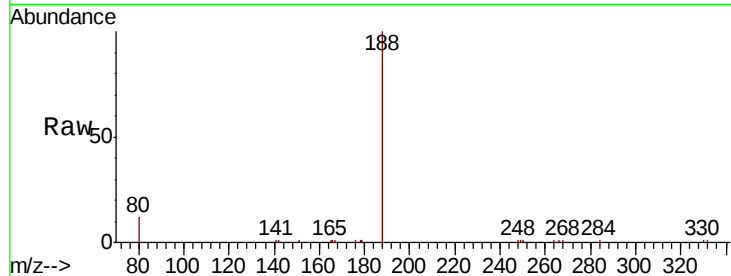




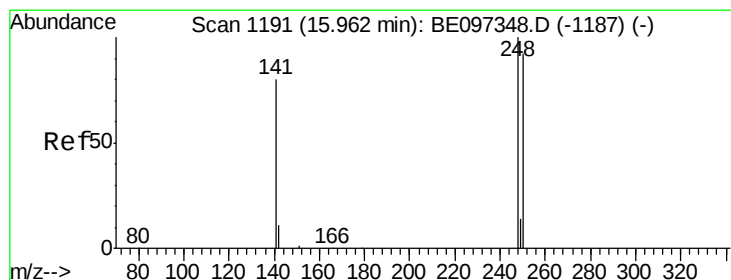
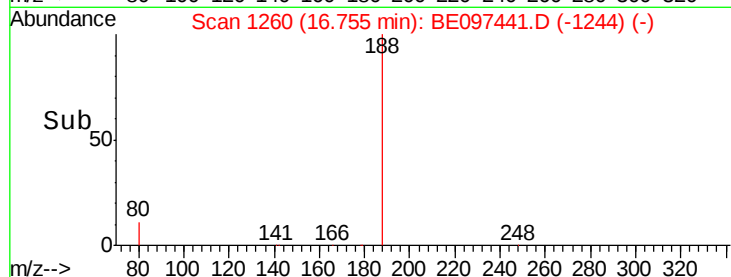
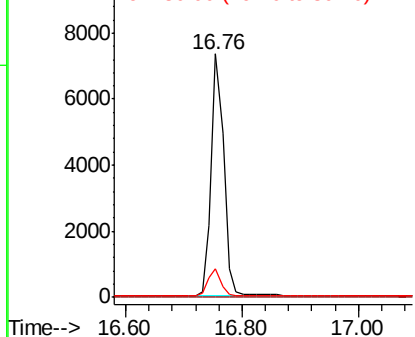
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 11026
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.7 3.6 5.4#

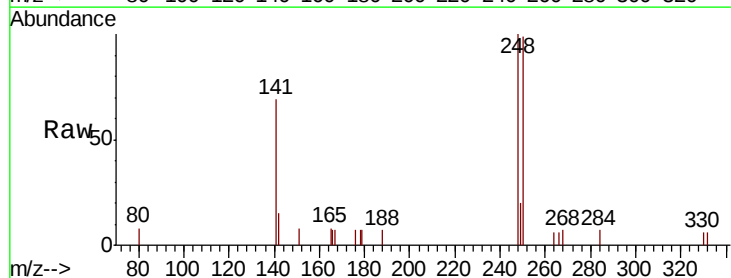


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

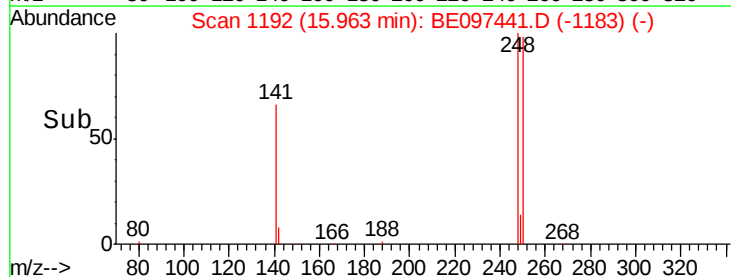
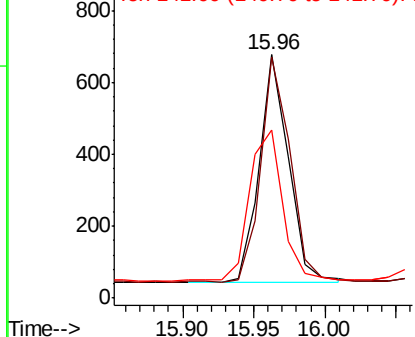


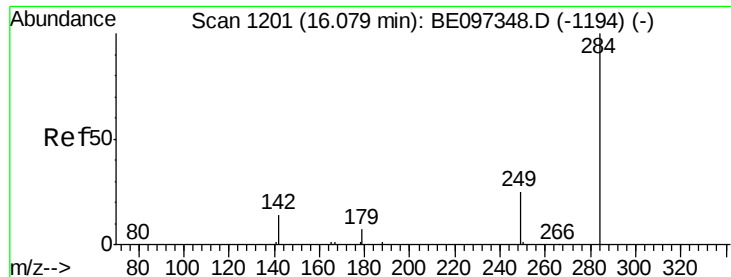
#20
4-Bromophenyl-phenylether
Concen: 0.180 ng
RT: 15.96 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion:248 Resp: 904
Ion Ratio Lower Upper
248 100
250 99.0 62.7 94.1#
141 69.0 48.2 72.2



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.189 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

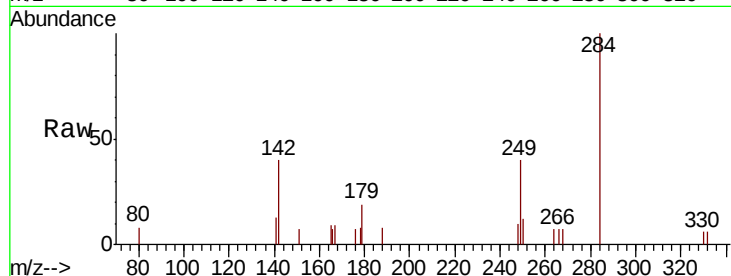
Tot Ion:284 Resp: 1049

Ion Ratio Lower Upper

284 100

142 33.0 22.1 33.1

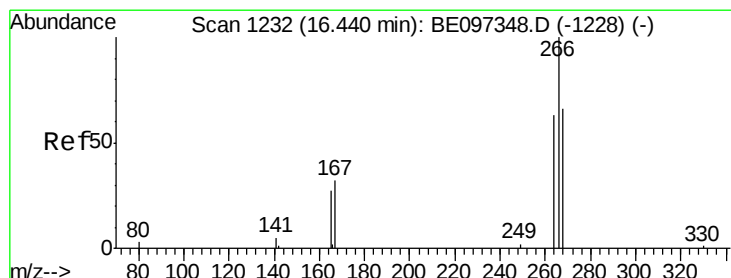
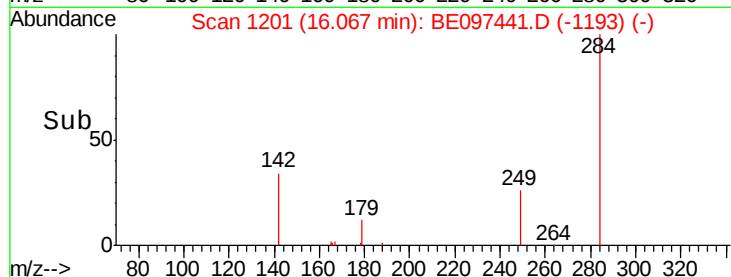
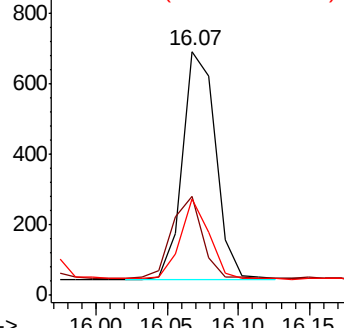
249 30.4 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.446 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

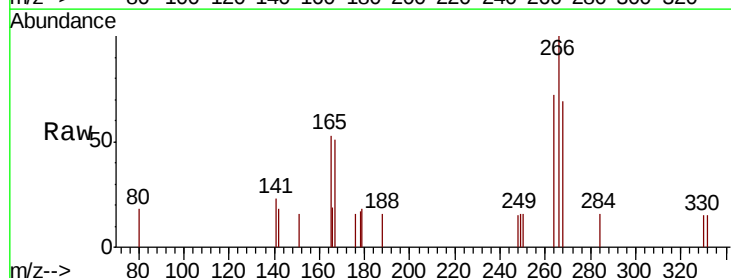
Tgt Ion:266 Resp: 525

Ion Ratio Lower Upper

266 100

264 71.8 72.5 108.7#

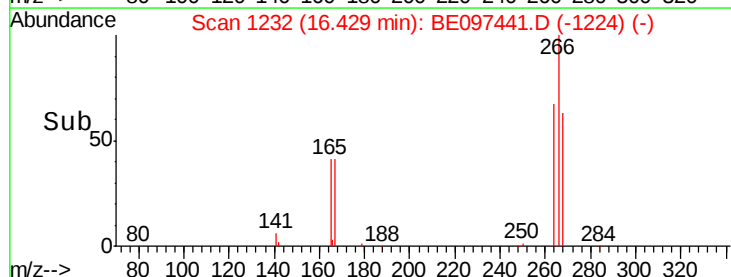
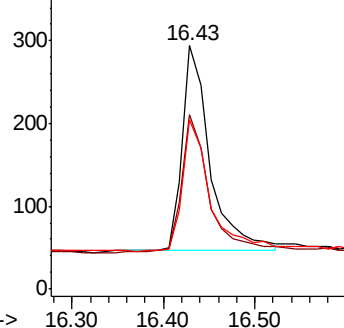
268 69.4 73.8 110.6#

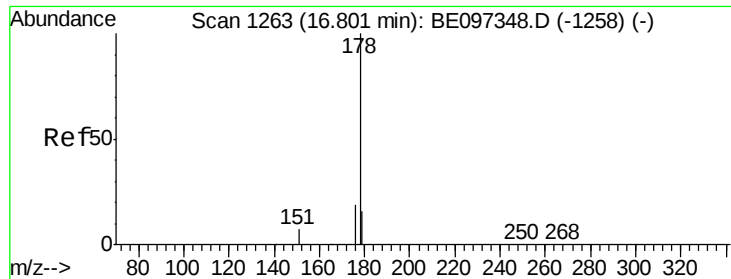


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.194 ng

RT: 16.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

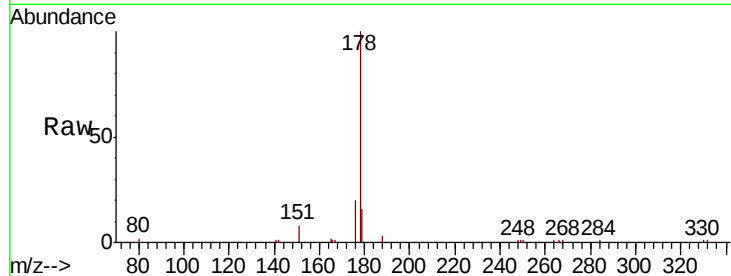
Tot Ion:178 Resp: 5101

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

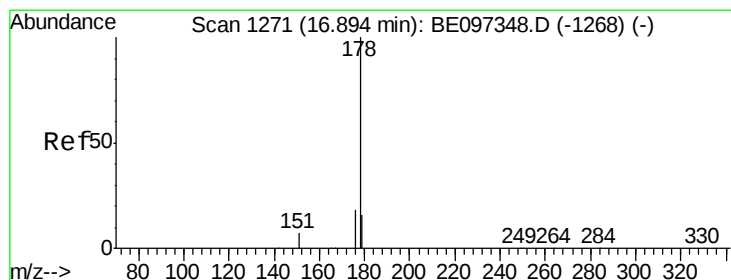
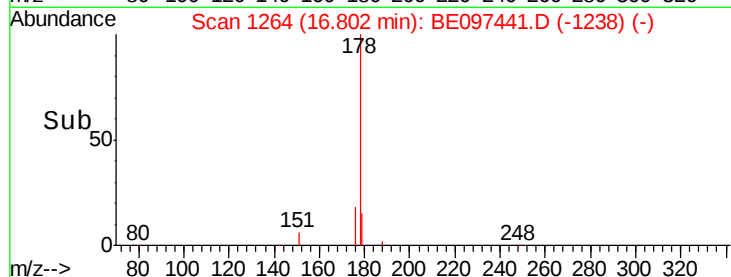
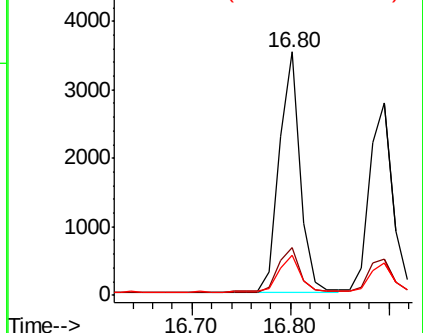
179 15.5 11.8 17.6



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: 0.200 ng

RT: 16.89 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

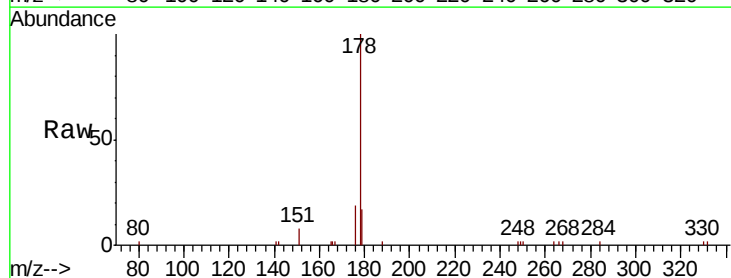
Tgt Ion:178 Resp: 4468

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

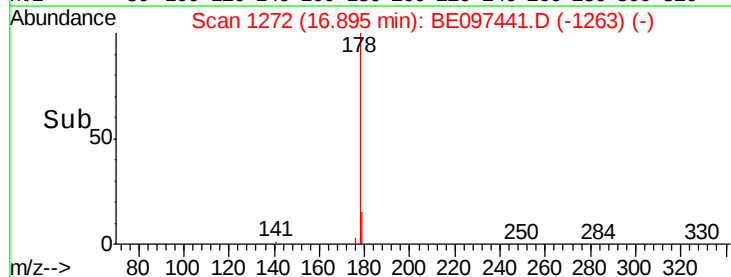
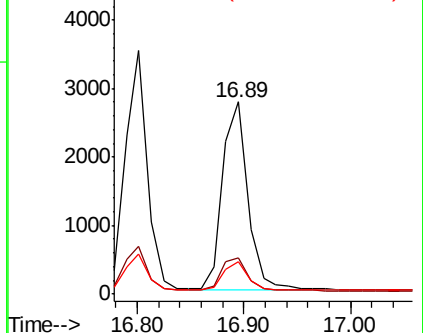
179 15.0 13.0 19.6

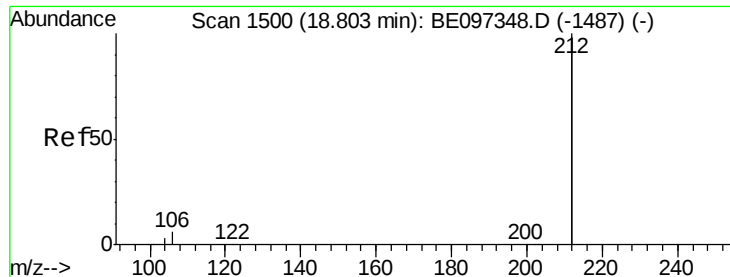


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.185 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

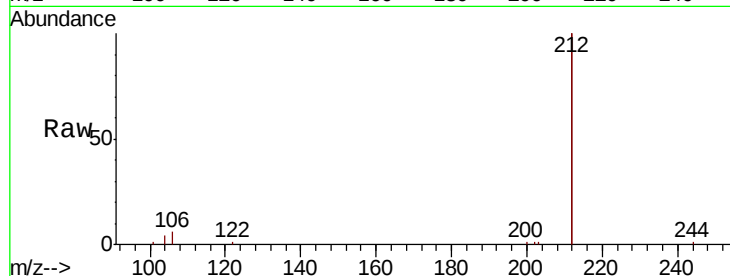
Tot Ion:212 Resp: 23361

Ion Ratio Lower Upper

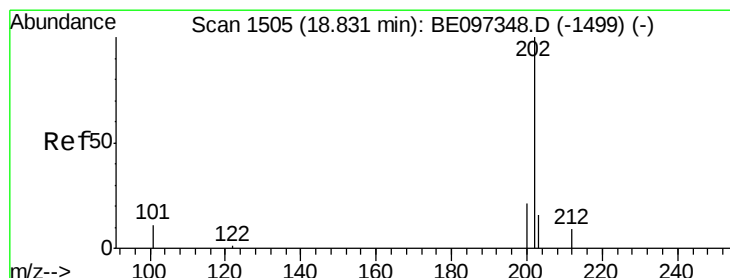
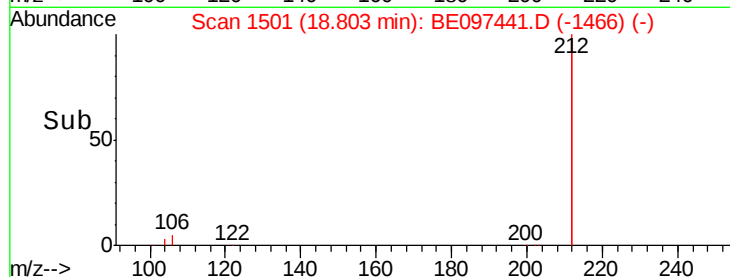
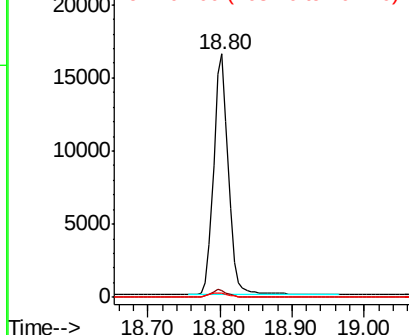
212 100

106 3.0 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: 0.182 ng

RT: 18.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

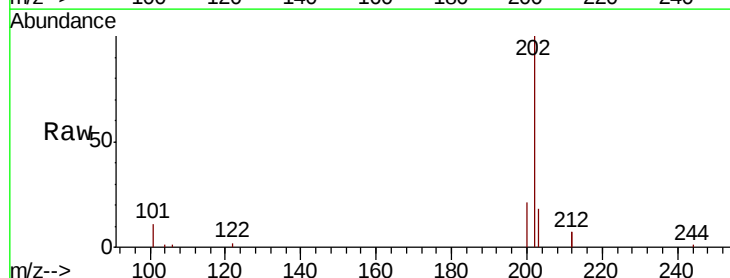
Tgt Ion:202 Resp: 5984

Ion Ratio Lower Upper

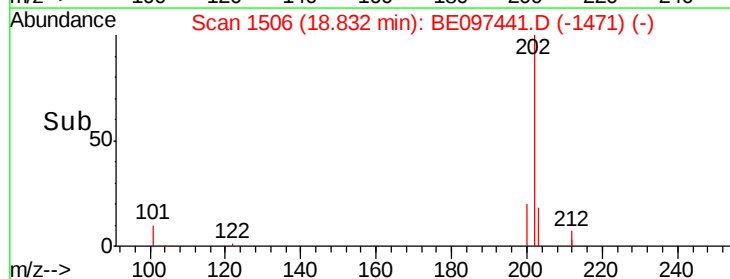
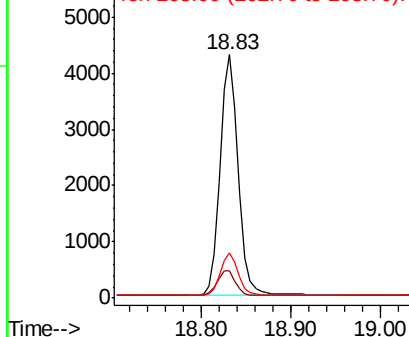
202 100

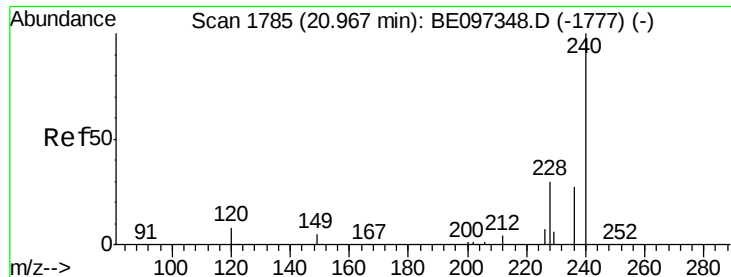
101 10.6 9.8 14.8

203 17.2 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

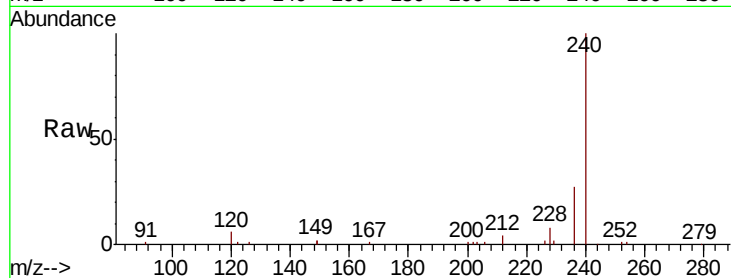
Tot Ion:240 Resp: 15117

Ion Ratio Lower Upper

240 100

120 5.8 5.5 8.3

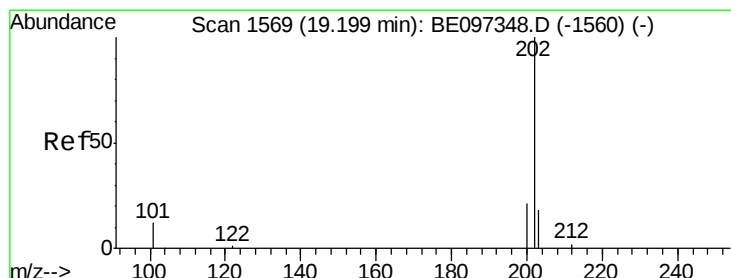
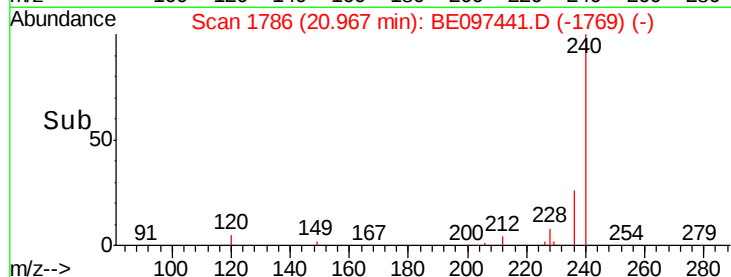
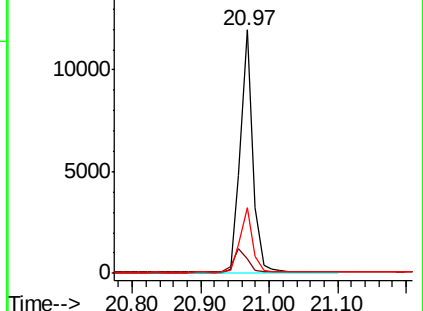
236 26.8 20.7 31.1



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: 0.170 ng

RT: 19.19 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

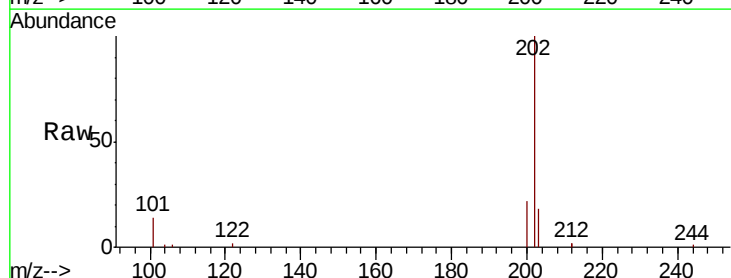
Tgt Ion:202 Resp: 6131

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

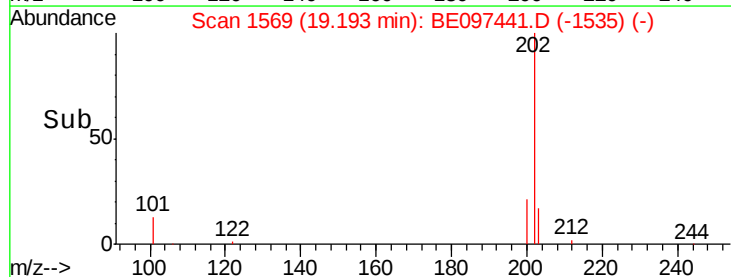
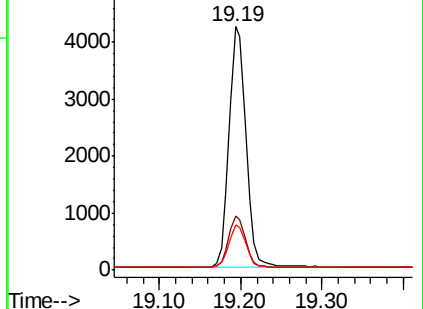
203 18.0 13.8 20.8

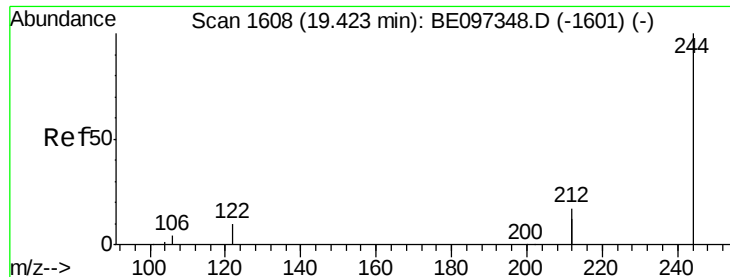


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.145 ng

RT: 19.42 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

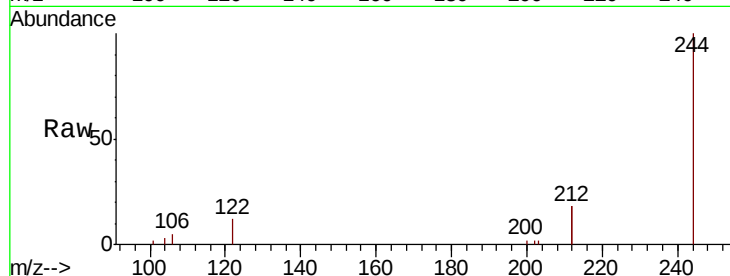
Tot Ion:244 Resp: 4043

Ion Ratio Lower Upper

244 100

212 36.4 25.4 38.0

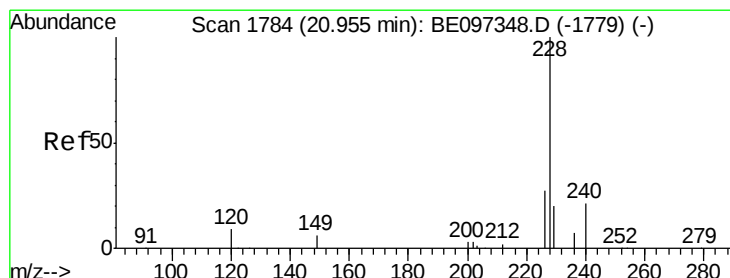
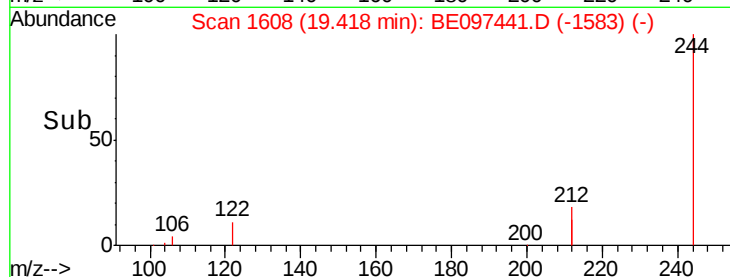
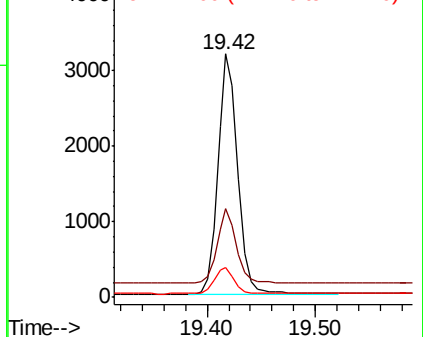
122 12.2 8.1 12.1#



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: 0.204 ng

RT: 20.96 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

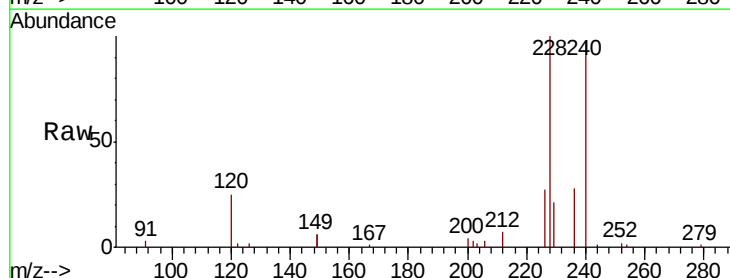
Tgt Ion:228 Resp: 7794

Ion Ratio Lower Upper

228 100

226 26.7 24.0 36.0

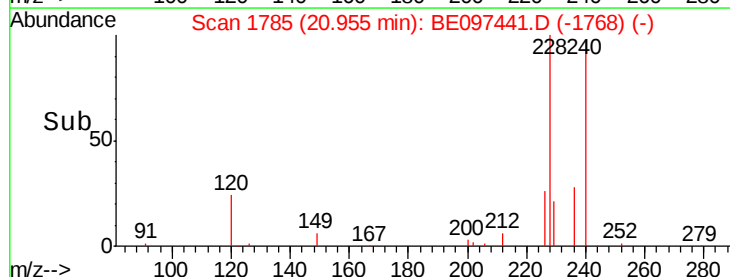
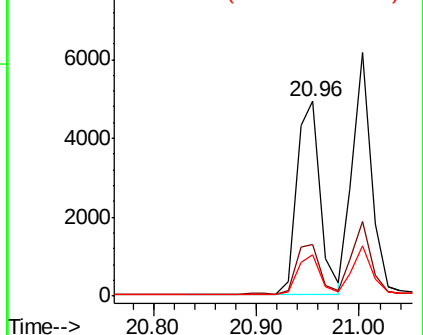
229 21.4 16.0 24.0

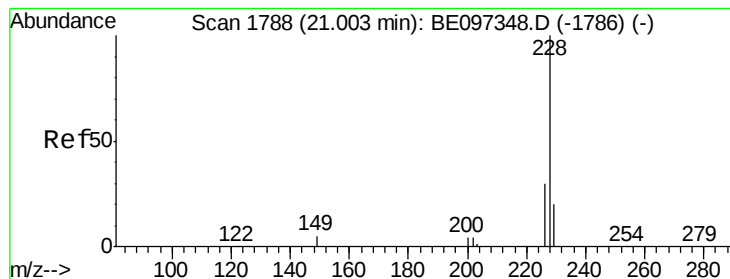


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.190 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

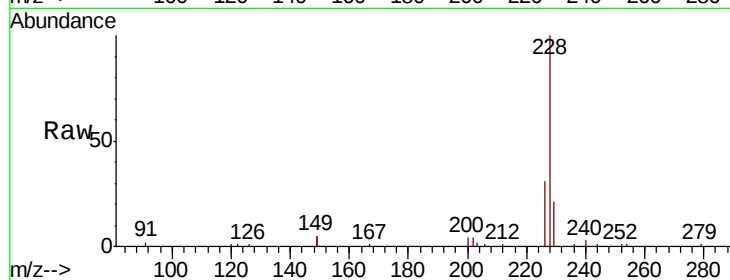
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 7817

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.6	16.0	24.0

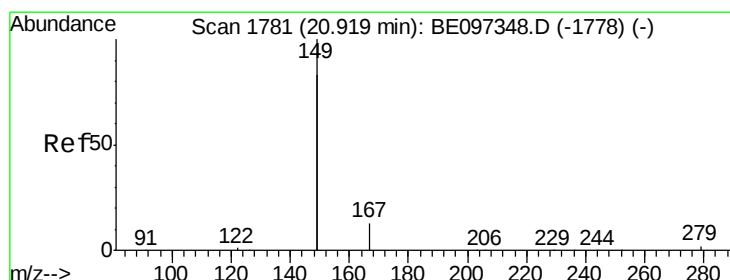
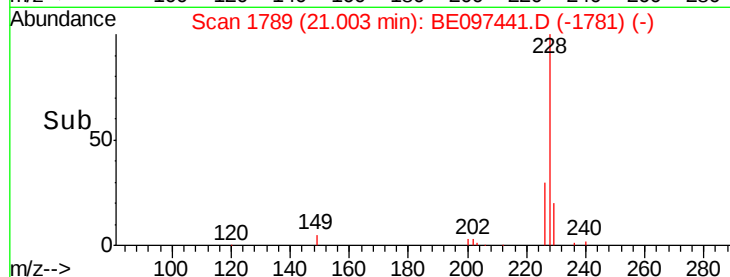
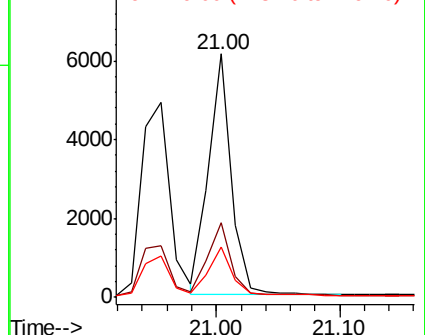


Abundance

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: 0.292 ng

RT: 20.91 min Scan# 1781

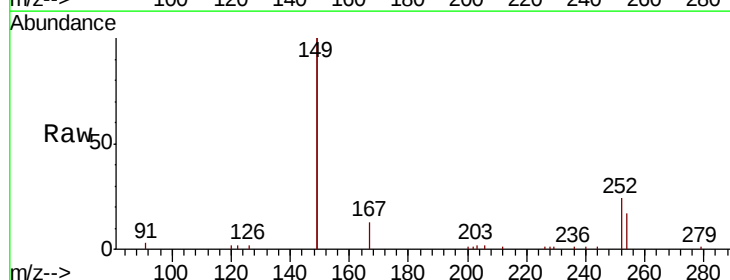
Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tgt Ion:149 Resp: 11189

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.0	0.7	1.1

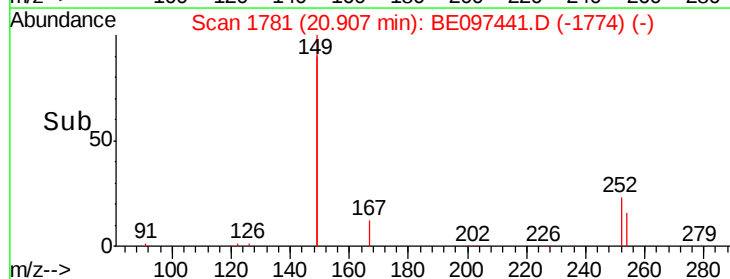
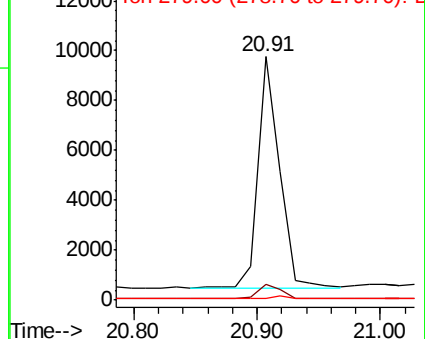


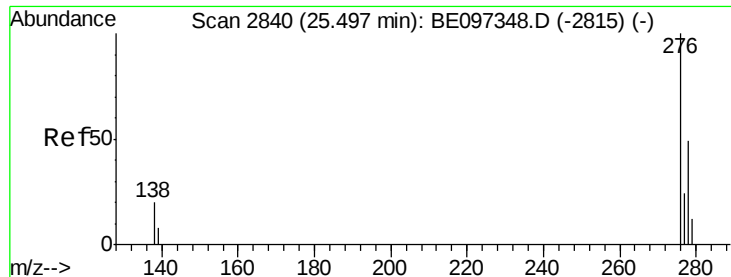
Abundance

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

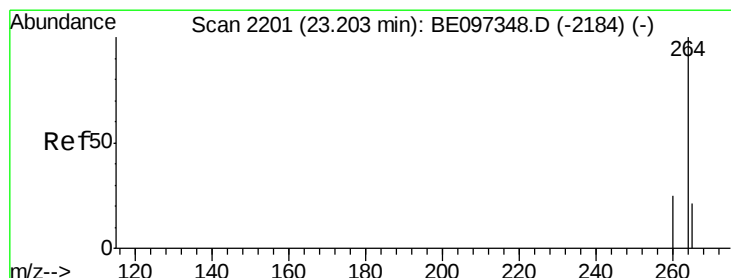
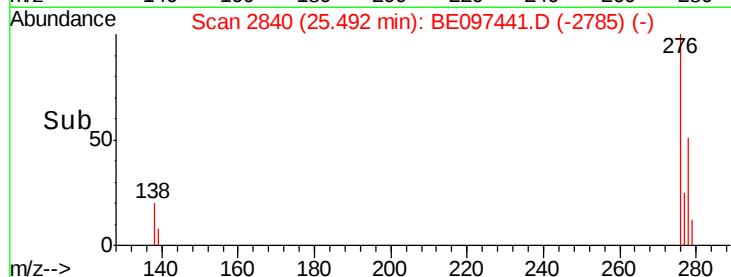
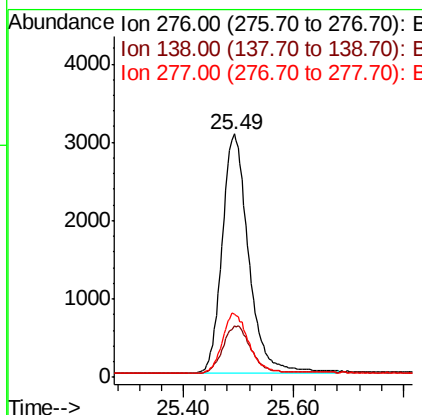
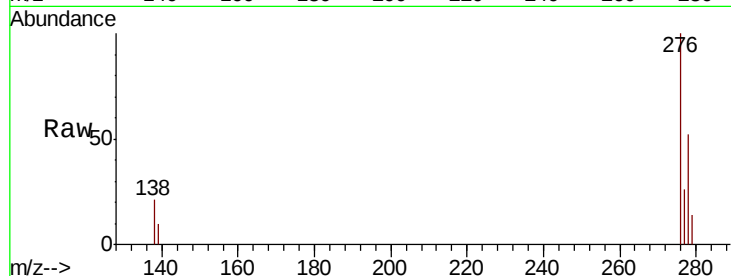




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.153 ng
 RT: 25.49 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

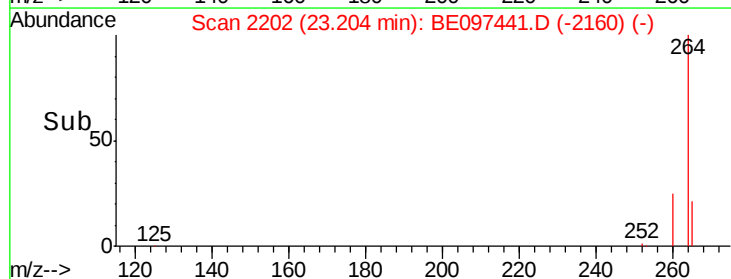
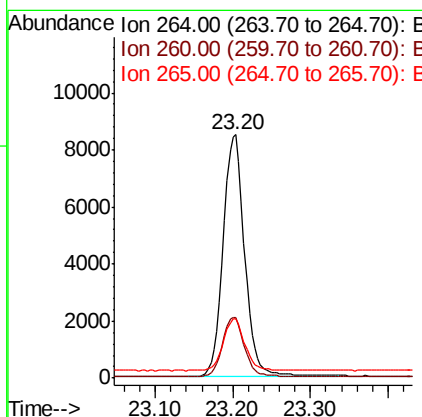
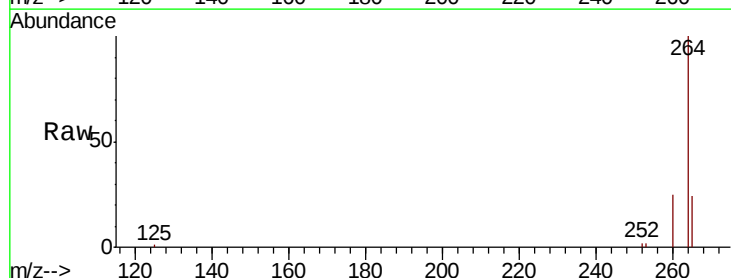
Instrument :
 BNA_E
 ClientSampleId :

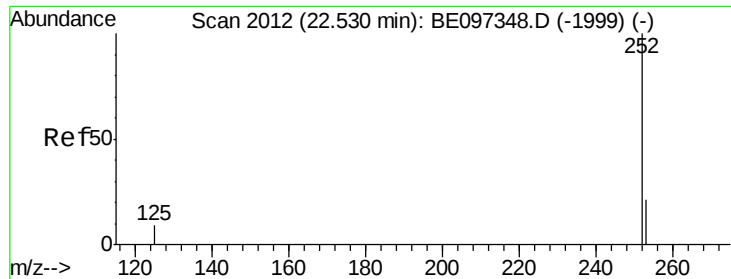
Tot Ion:276 Resp: 10223
 Ion Ratio Lower Upper
 276 100
 138 20.9 22.5 33.7#
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Tgt Ion:264 Resp: 16463
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.5 30.7
 265 24.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.197 ng

RT: 22.53 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

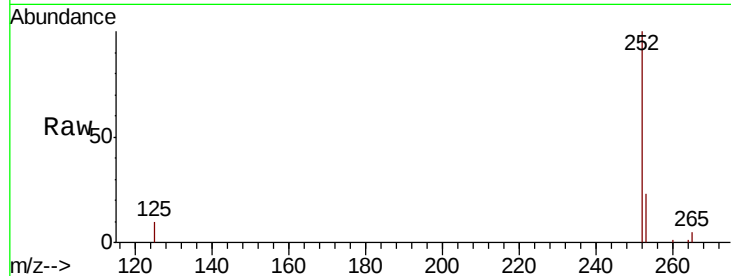
Tot Ion:252 Resp: 8303

Ion Ratio Lower Upper

252 100

253 23.4 20.0 30.0

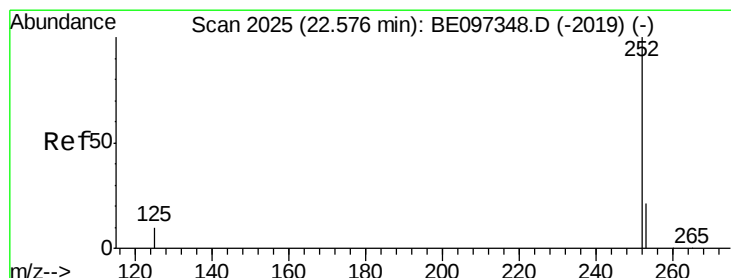
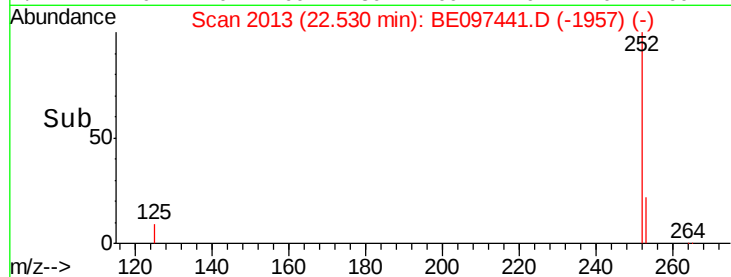
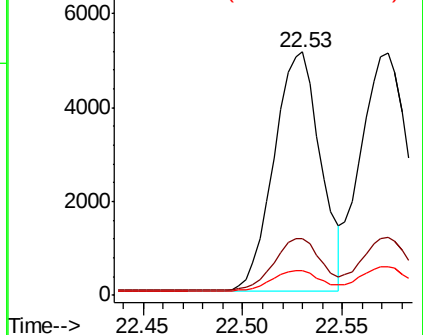
125 10.3 16.0 24.0#



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: 0.182 ng

RT: 22.53 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

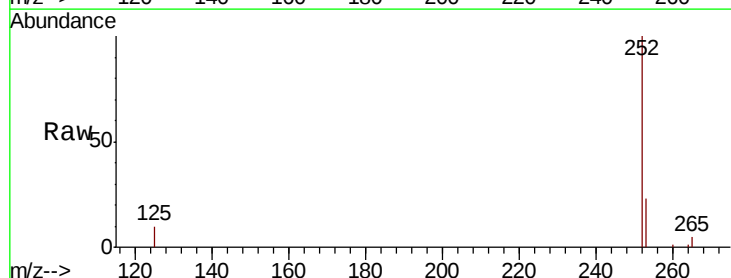
Tgt Ion:252 Resp: 8303

Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

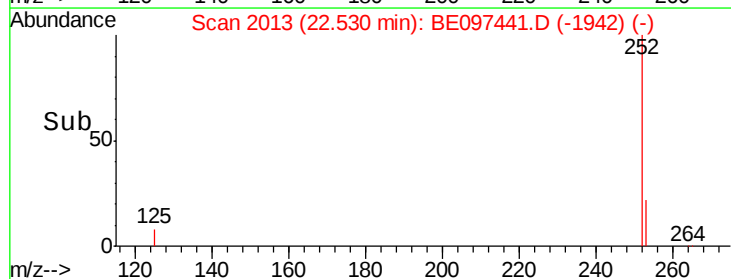
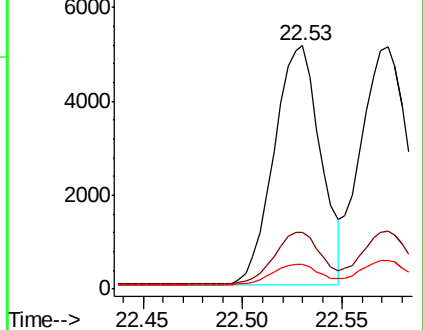
125 10.3 8.0 12.0

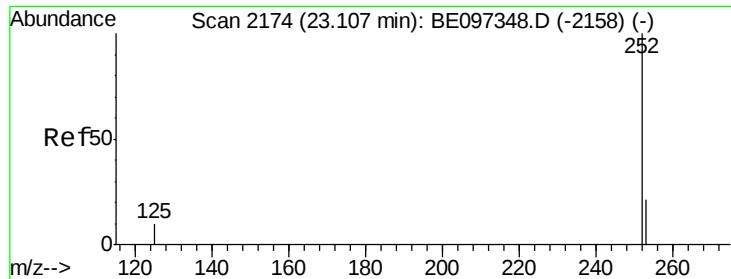


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.192 ng

RT: 23.10 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

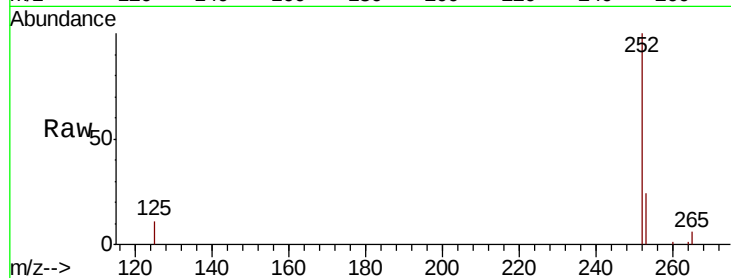
Tot Ion:252 Resp: 8160

Ion Ratio Lower Upper

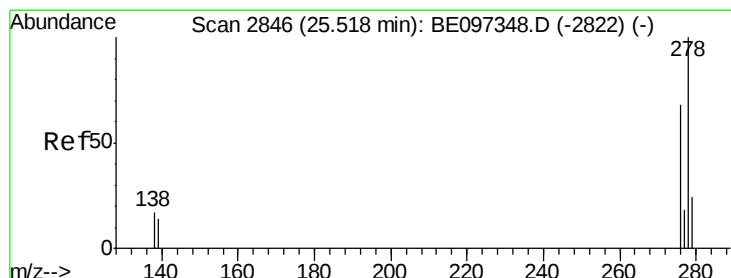
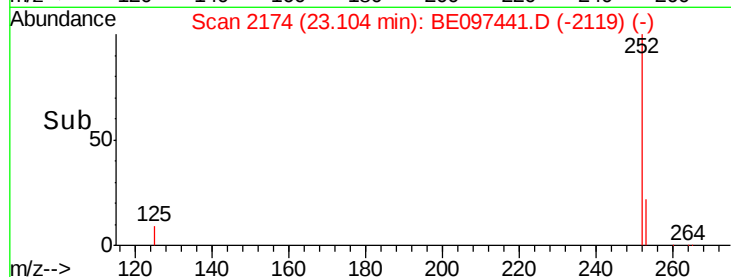
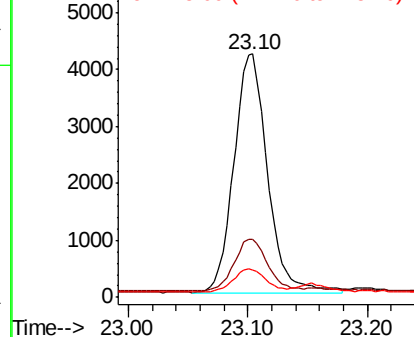
252 100

253 23.8 16.0 24.0

125 11.2 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.149 ng

RT: 25.51 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

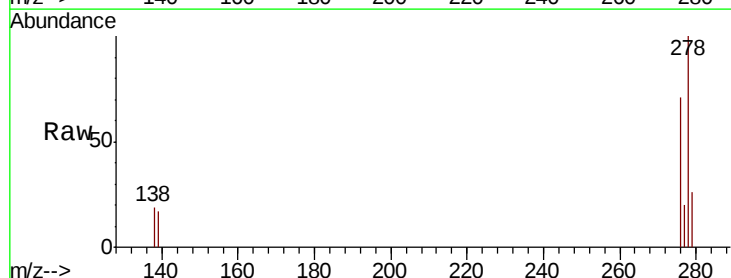
Tgt Ion:278 Resp: 8485

Ion Ratio Lower Upper

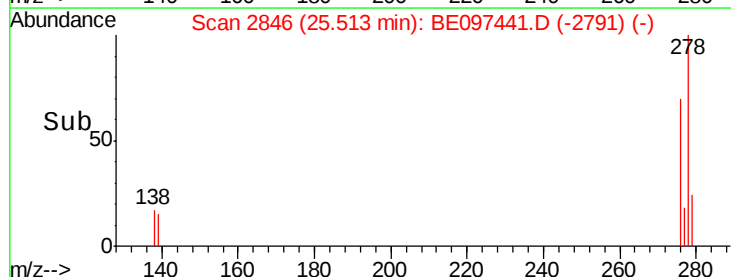
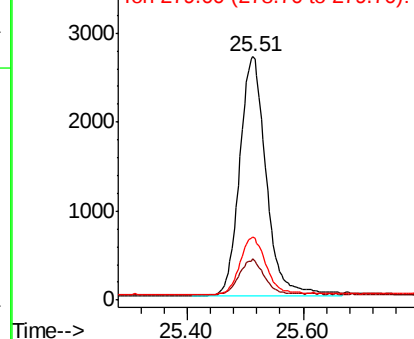
278 100

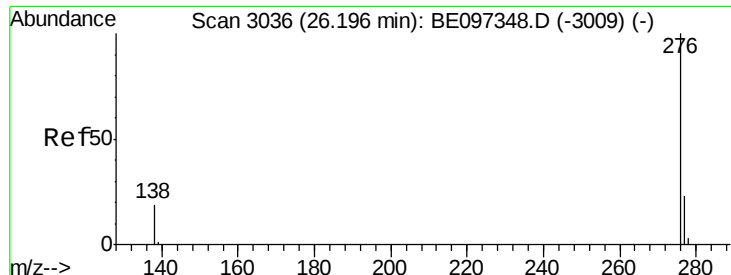
139 16.9 16.0 24.0

279 25.9 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: 0.133 ng

RT: 26.19 min Scan# 3037

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

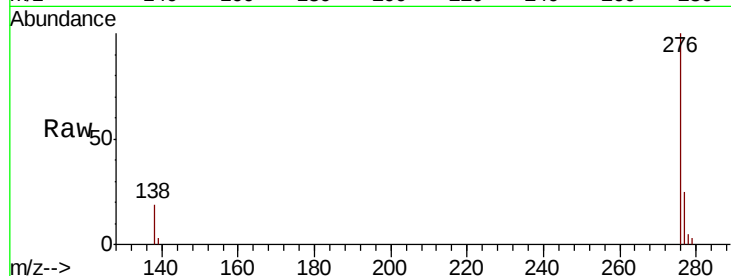
Tot Ion: 276 Resp: 8522

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 19.2 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

