

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092418\
 Data File : BE097647.D
 Acq On : 24 Sep 2018 16:20
 Operator : SJ/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 24 17:03:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 16:35:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	744	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	3682	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	2535	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7905	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8876	0.40	ng	0.00
34) Perylene-d12	23.20	264	7934	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	1502	0.67	ng	-0.01
5) Phenol-d6	6.60	99	2072	0.73	ng	-0.02
8) Nitrobenzene-d5	8.52	82	1949	0.69	ng	-0.02
11) 2-Methylnaphthalene-d10	11.71	152	4360	0.86	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	871	0.83	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	6761	0.75	ng	-0.01
25) Fluoranthene-d10	18.80	212	69106	0.68	ng	0.00
29) Terphenyl-d14	19.41	244	14160	0.87	ng	0.00

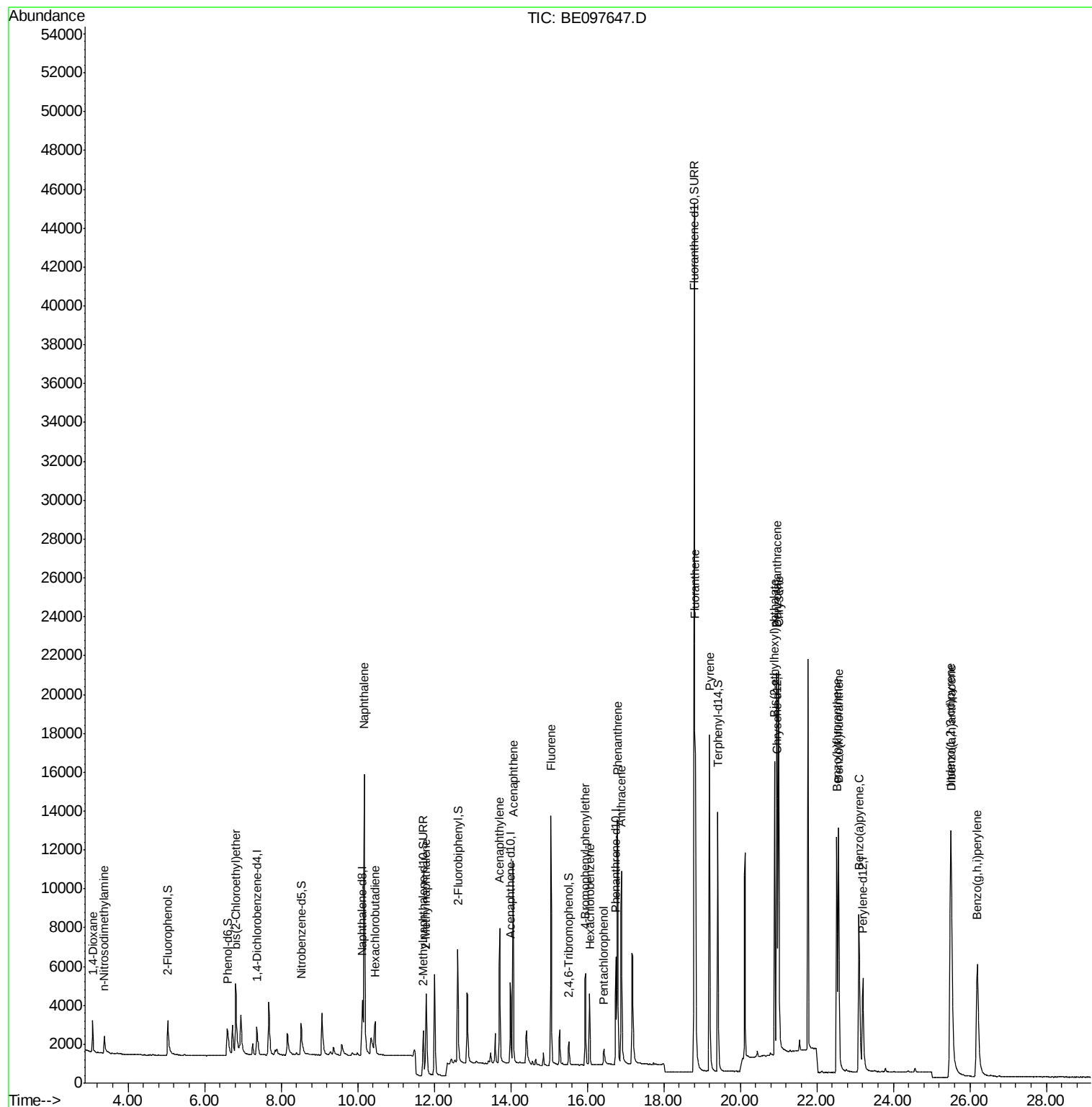
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	975	0.741	ng	# 84
3) n-Nitrosodimethylamine	3.37	42	720	0.620	ng	# 93
6) bis(2-Chloroethyl)ether	6.83	93	2045	0.773	ng	75
9) Naphthalene	10.17	128	26894	0.811	ng	100
10) Hexachlorobutadiene	10.46	225	1217	0.796	ng	97
12) 2-Methylnaphthalene	11.79	142	4453	0.861	ng	98
16) Acenaphthylene	13.72	152	8198	0.818	ng	100
17) Acenaphthene	14.06	154	5479	0.815	ng	96
18) Fluorene	15.05	166	7620	0.870	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	2899	0.813	ng	# 75
21) Hexachlorobenzene	16.07	284	3276	0.836	ng	# 85
22) Pentachlorophenol	16.44	266	736	0.537	ng	# 76
23) Phenanthrene	16.79	178	15134	0.806	ng	99
24) Anthracene	16.89	178	13017	0.785	ng	96
26) Fluoranthene	18.83	202	18513	0.711	ng	98
28) Pyrene	19.20	202	18502	0.916	ng	100
30) Benzo(a)anthracene	20.95	228	16940	0.758	ng	96
31) Chrysene	21.00	228	19586	0.817	ng	99
32) Bis(2-ethylhexyl)phthalate	20.89	149	18664	0.419	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	21130	0.732	ng	# 92
35) Benzo(b)fluoranthene	22.52	252	16551	0.814	ng	# 88
36) Benzo(k)fluoranthene	22.57	252	19491	0.839	ng	96
37) Benzo(a)pyrene	23.10	252	15794	0.756	ng	# 94
38) Dibenzo(a,h)anthracene	25.51	278	17546	0.823	ng	# 94
39) Benzo(g,h,i)perylene	26.20	276	17197	0.829	ng	# 89

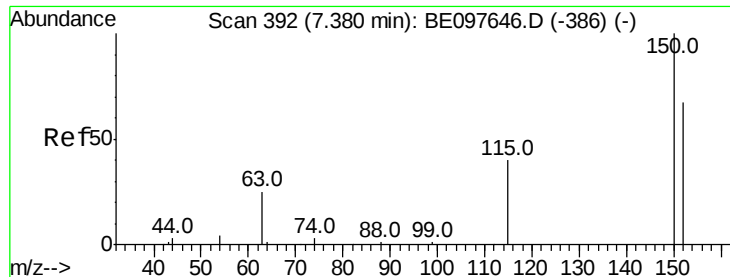
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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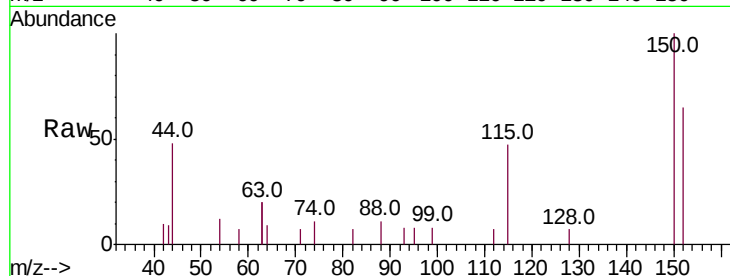


#1

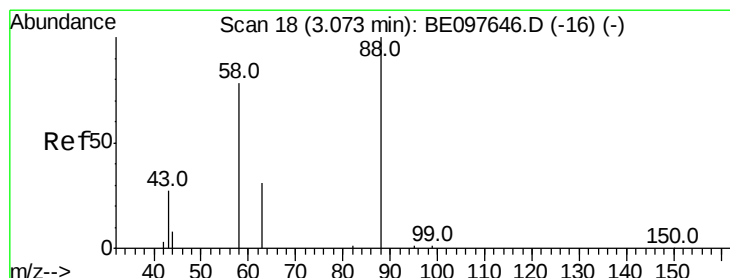
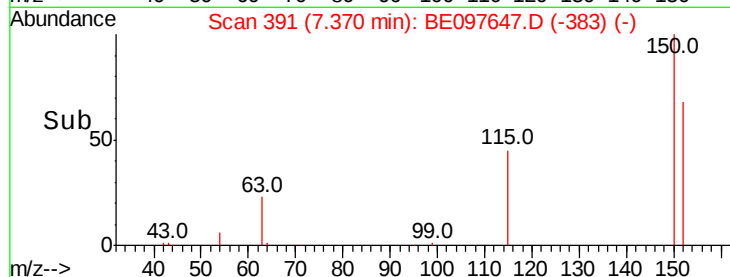
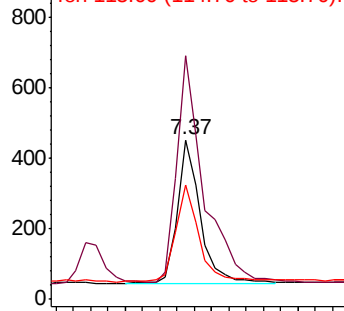
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 744
Ion Ratio Lower Upper
152 100
150 152.8 117.2 175.8
115 71.7 57.0 85.6



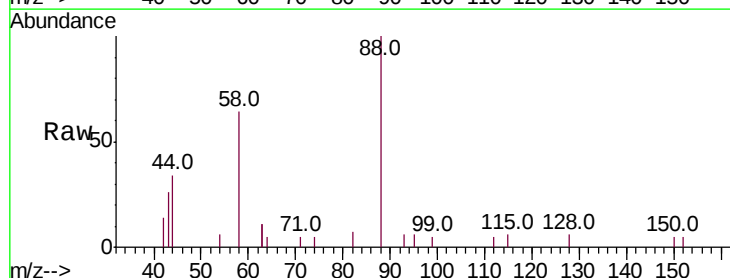
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



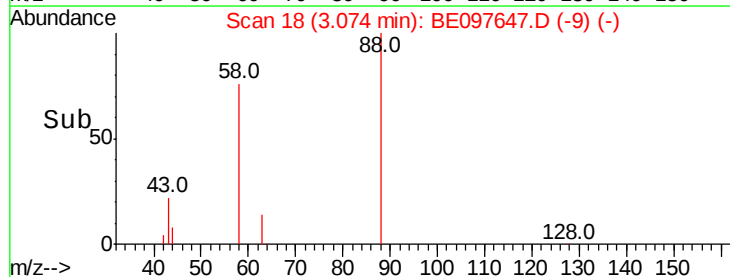
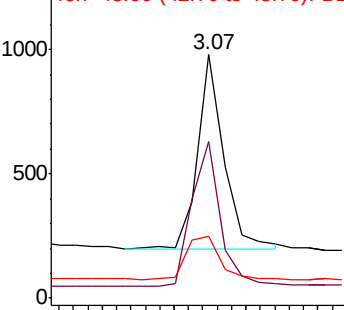
#2

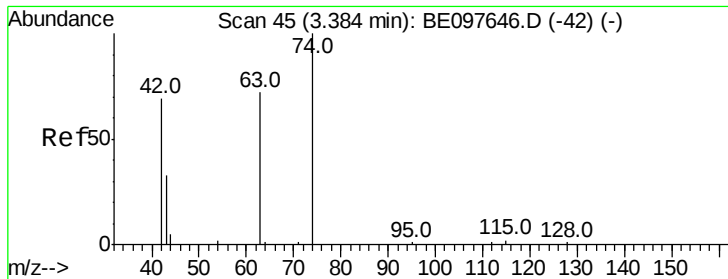
1,4-Dioxane
Concen: 0.741 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

Tgt Ion: 88 Resp: 975
Ion Ratio Lower Upper
88 100
58 82.7 63.2 94.8
43 28.4 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.620 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

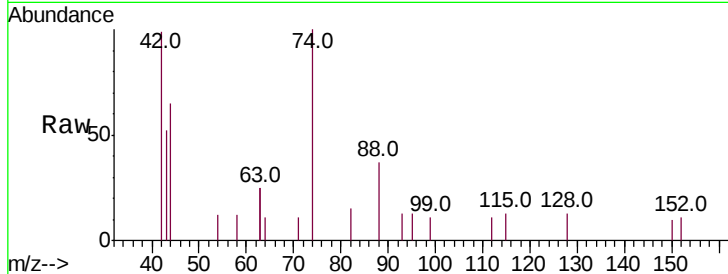
Tot Ion: 42 Resp: 720

Ion Ratio Lower Upper

42 100

74 126.7 96.0 144.0

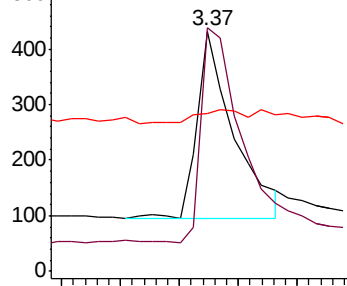
44 8.2 12.0 18.0#



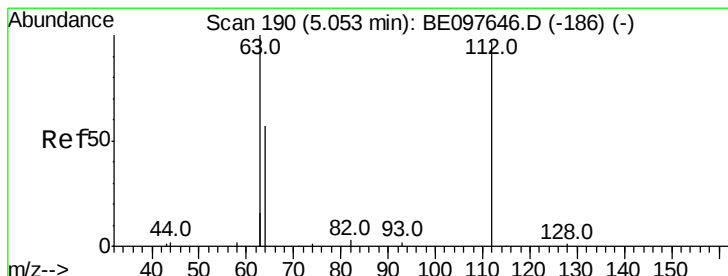
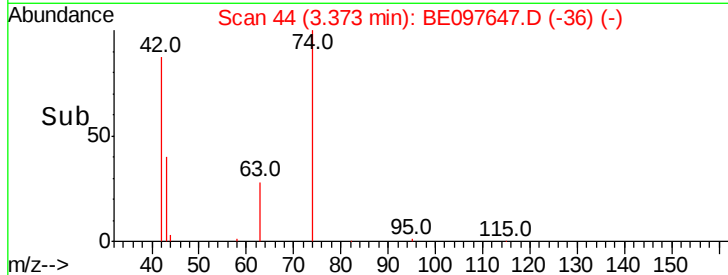
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time--> 3.25 3.30 3.35 3.40 3.45



#4

2-Fluorophenol

Concen: 0.674 ng

RT: 5.04 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

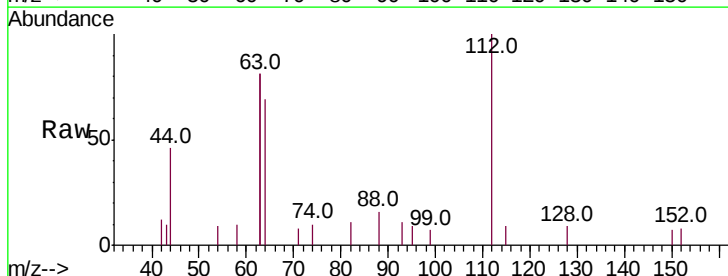
Tgt Ion: 112 Resp: 1502

Ion Ratio Lower Upper

112 100

64 67.3 60.1 90.1

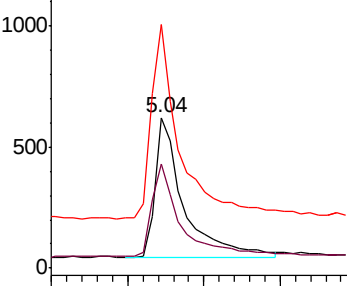
63 141.8 116.8 175.2



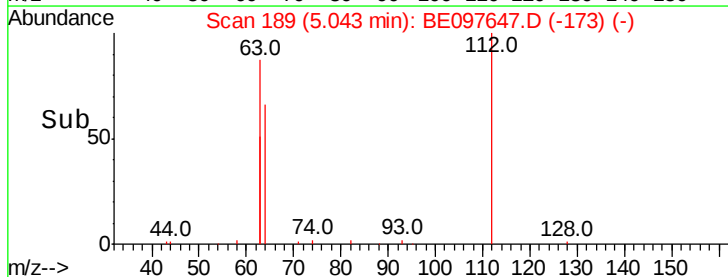
Abundance Ion 112.00 (111.70 to 112.70): E

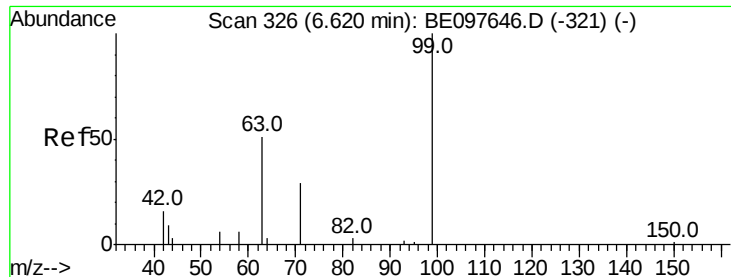
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time--> 4.90 5.00 5.10 5.20





#5

Phenol-d6

Concen: 0.727 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.02 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampled :

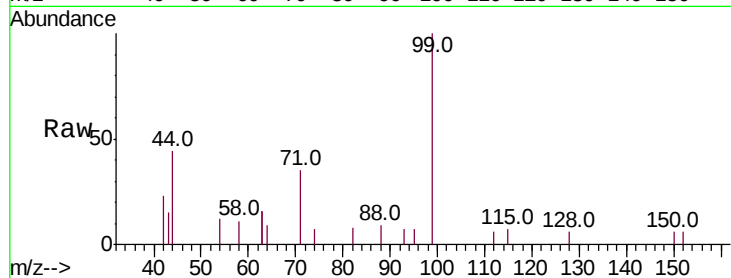
Tot Ion: 99 Resp: 2072

Ion Ratio Lower Upper

99 100

42 19.6 20.2 30.2#

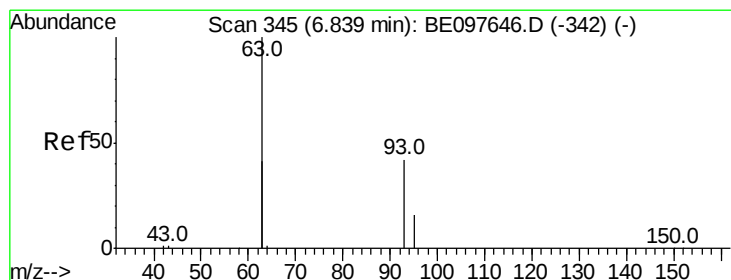
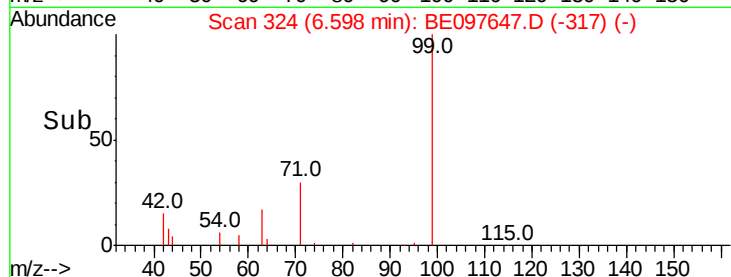
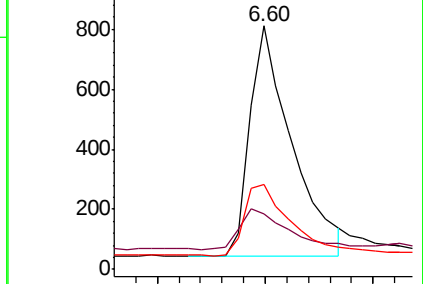
71 33.5 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.773 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

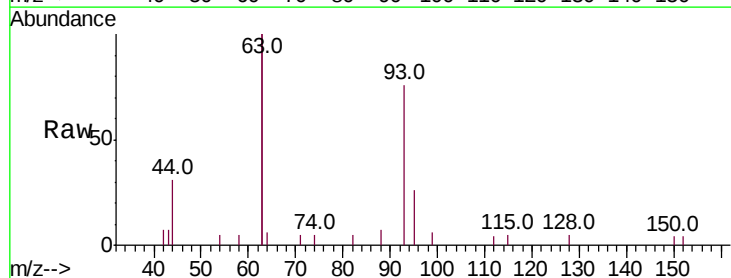
Tgt Ion: 93 Resp: 2045

Ion Ratio Lower Upper

93 100

63 285.3 275.3 412.9

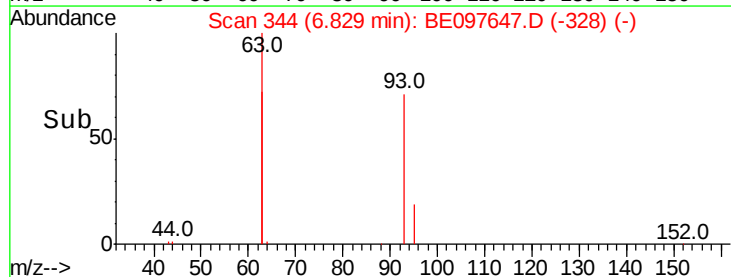
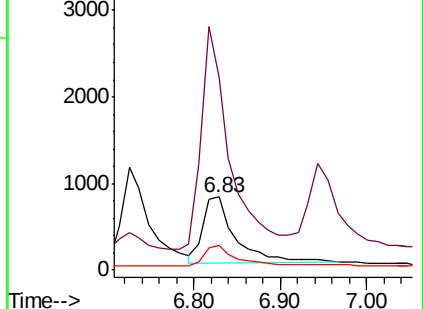
95 31.7 25.2 37.8

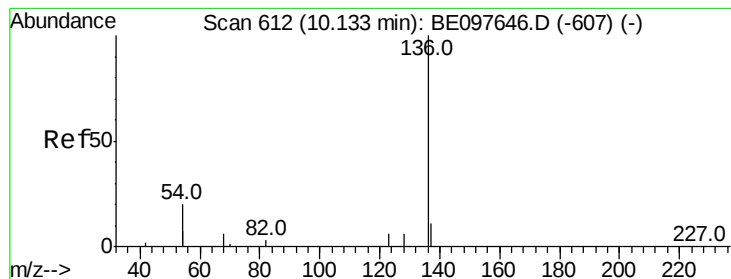


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3682

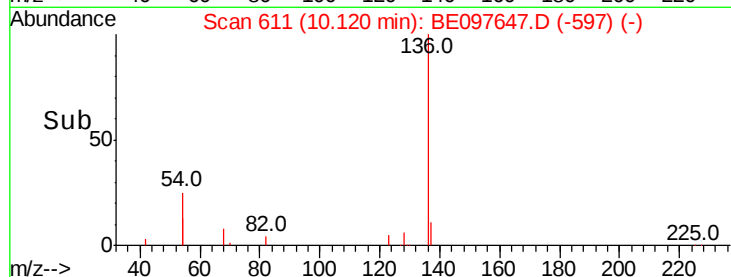
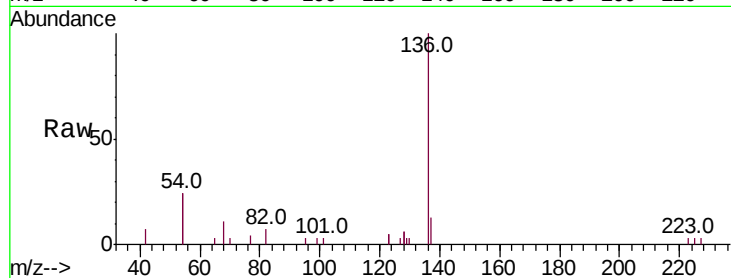
Ion Ratio Lower Upper

136 100

137 13.2 9.5 14.3

54 48.0 29.1 43.7#

68 10.7 6.2 9.2#

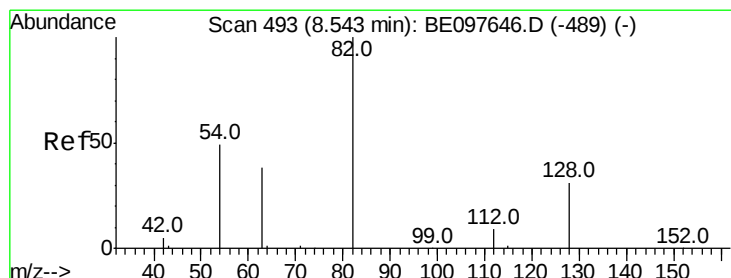
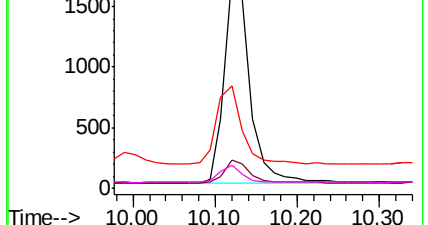


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.685 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.02 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

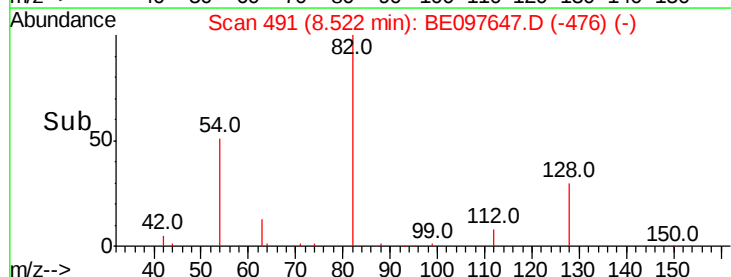
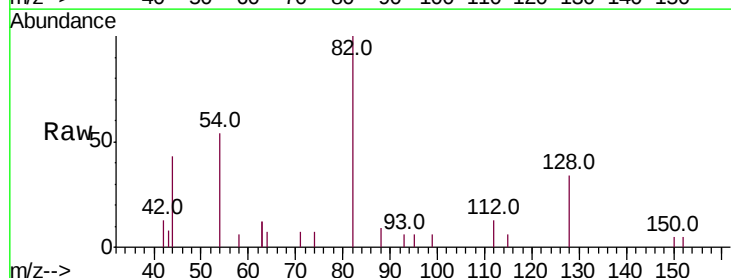
Tgt Ion: 82 Resp: 1949

Ion Ratio Lower Upper

82 100

128 33.8 24.0 36.0

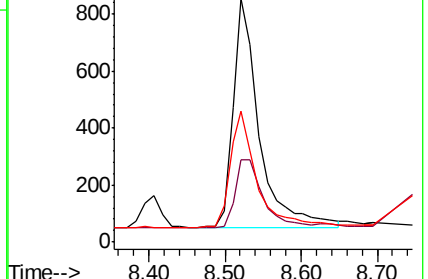
54 53.7 40.0 60.0

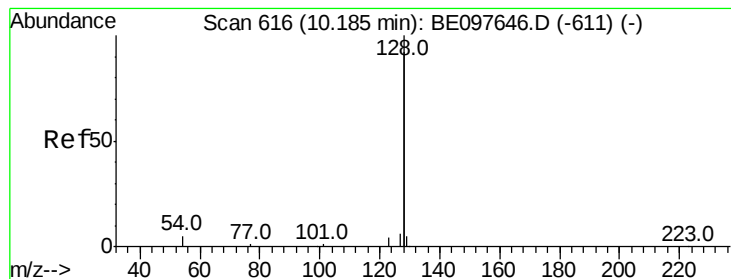


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.811 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

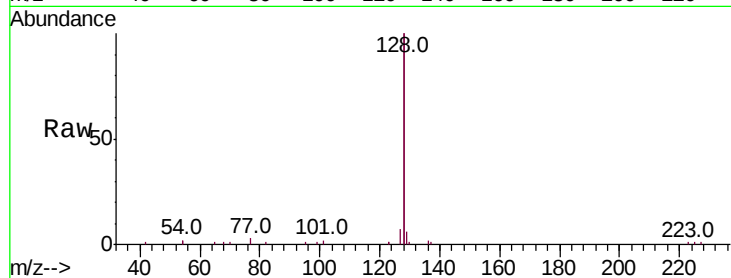
Tot Ion:128 Resp: 26894

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

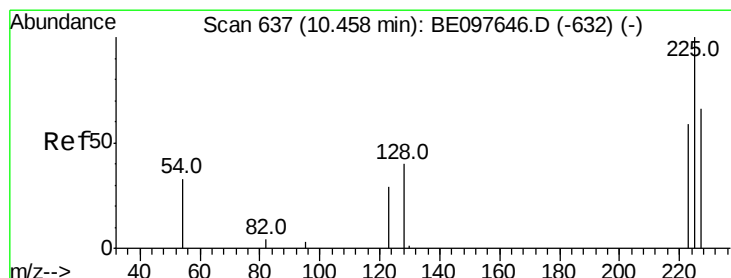
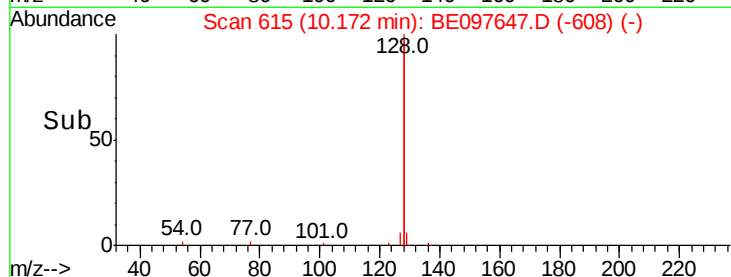
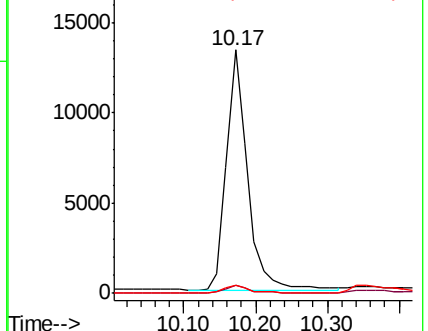
127 3.4 2.8 4.2



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: 0.796 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

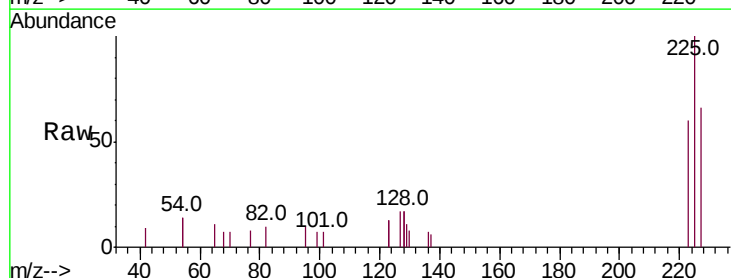
Tgt Ion:225 Resp: 1217

Ion Ratio Lower Upper

225 100

223 62.0 53.0 79.6

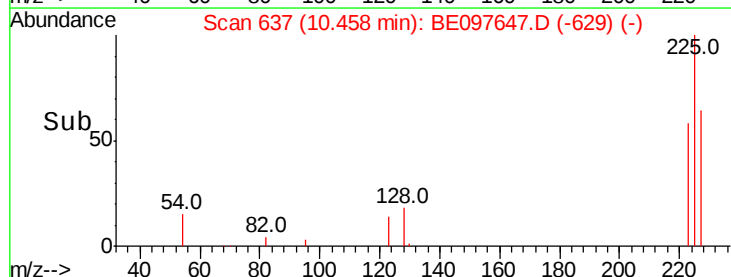
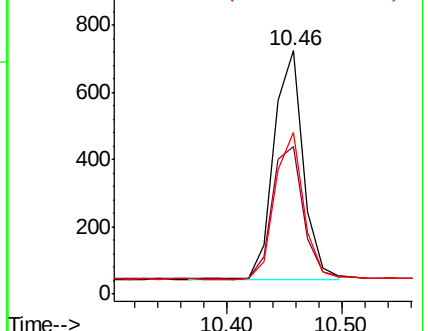
227 63.4 51.4 77.2

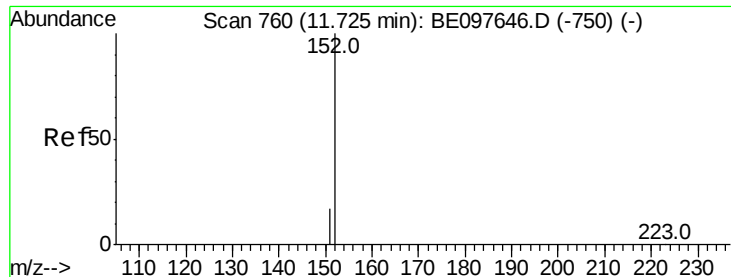


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

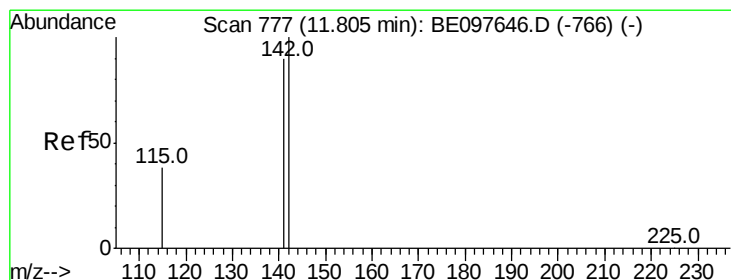
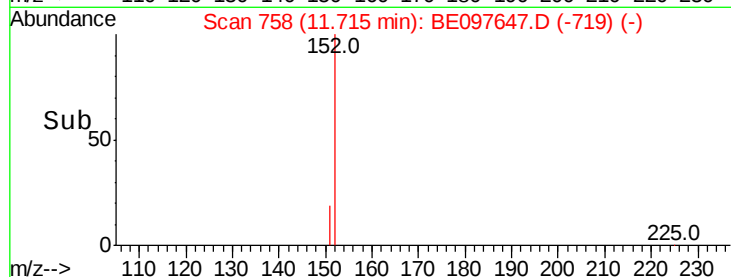
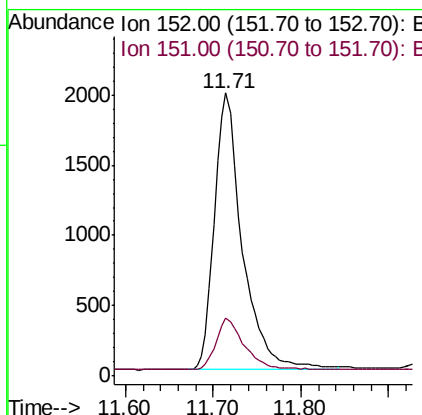
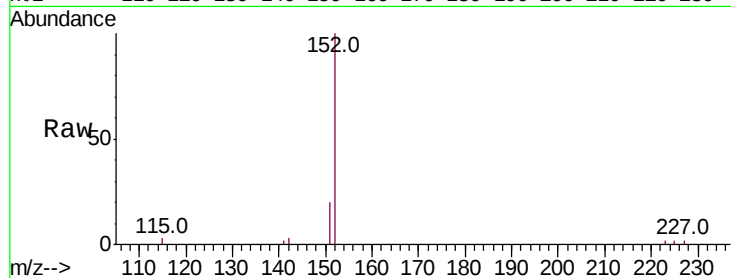




#11
2-Methylnaphthalene-d10
Concen: 0.859 ng
RT: 11.71 min Scan# 758
Delta R.T. -0.01 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

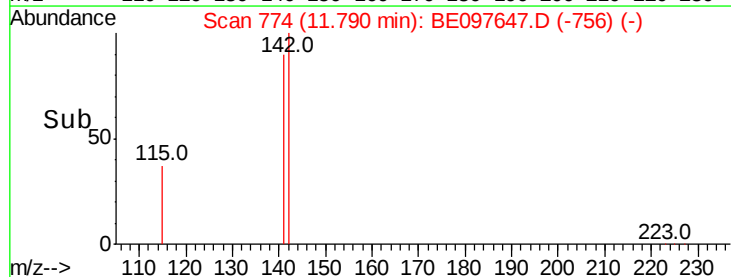
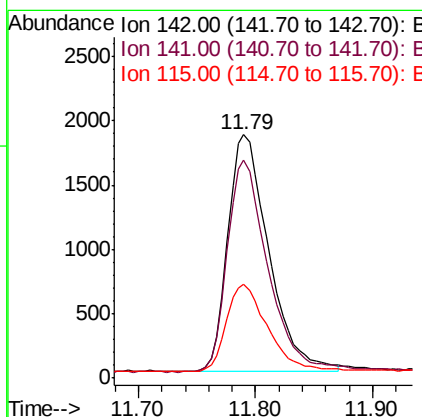
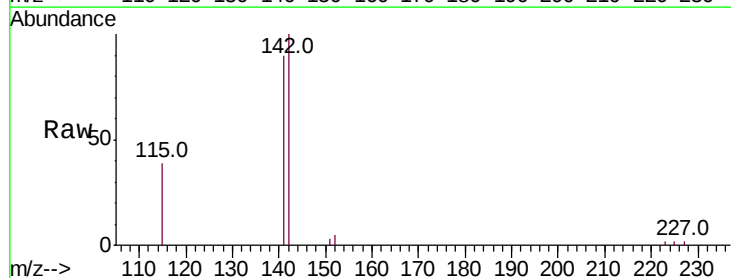
Instrument :
BNA_E
ClientSampleId :

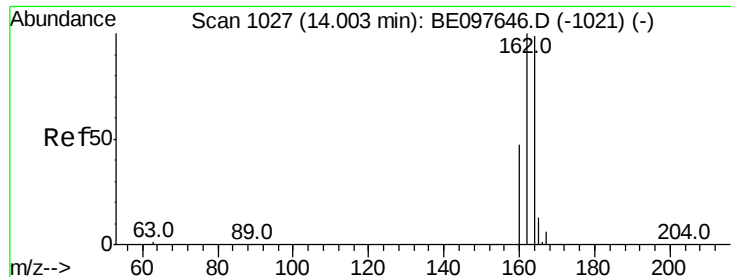
Tot Ion:152 Resp: 4360
Ion Ratio Lower Upper
152 100
151 19.0 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.861 ng
RT: 11.79 min Scan# 774
Delta R.T. -0.01 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

Tgt Ion:142 Resp: 4453
Ion Ratio Lower Upper
142 100
141 89.5 70.4 105.6
115 38.6 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

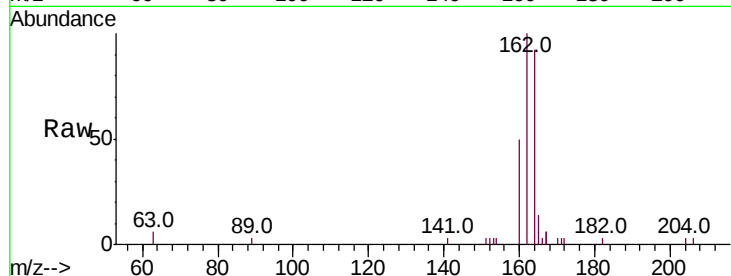
Tot Ion:164 Resp: 2535

Ion Ratio Lower Upper

164 100

162 108.9 83.1 124.7

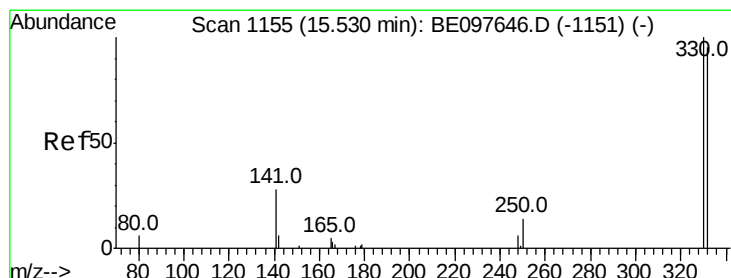
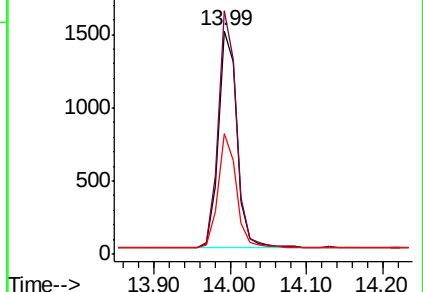
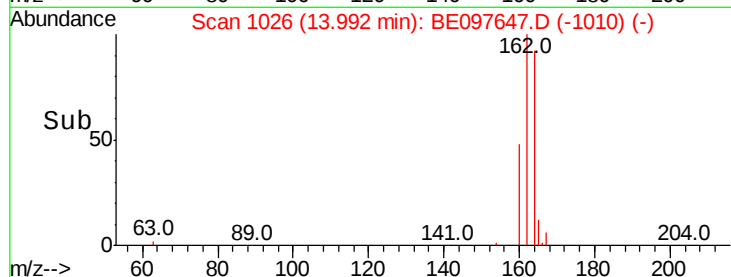
160 54.2 37.1 55.7



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: 0.827 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

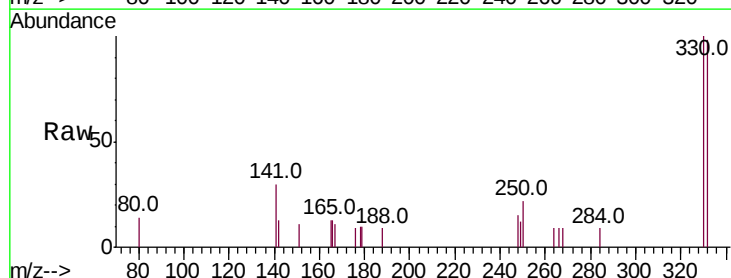
Tgt Ion:330 Resp: 871

Ion Ratio Lower Upper

330 100

332 95.1 152.7 229.1#

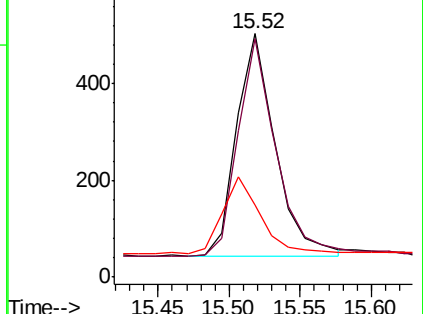
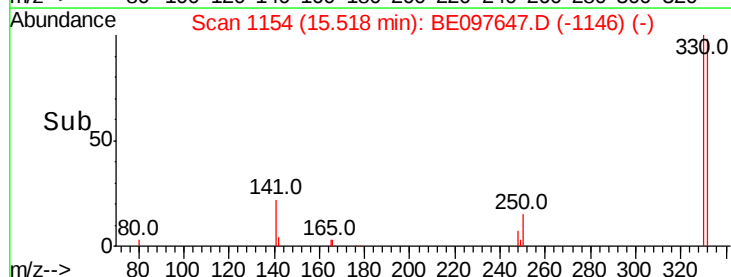
141 33.4 33.7 50.5#

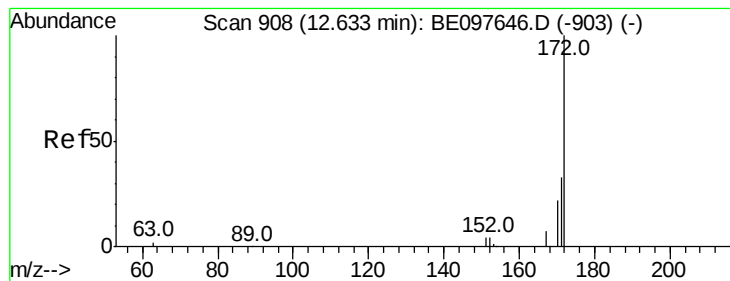


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

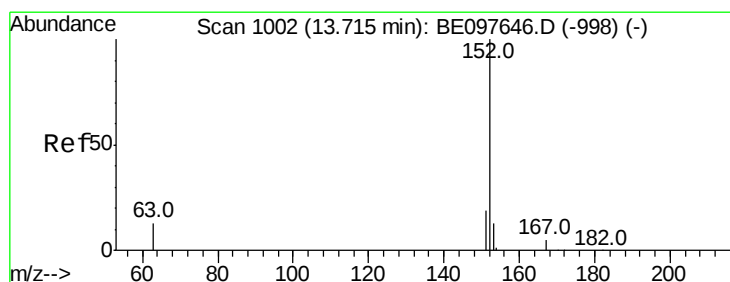
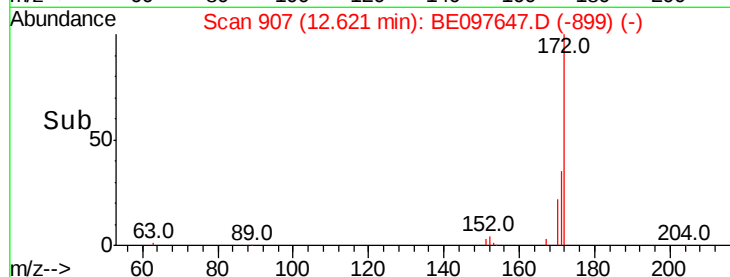
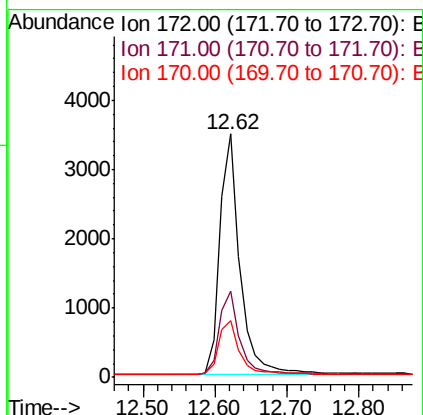
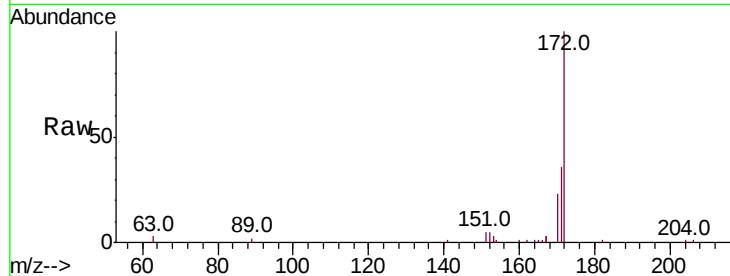




#15
2-Fluorobiphenyl
Concen: 0.755 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

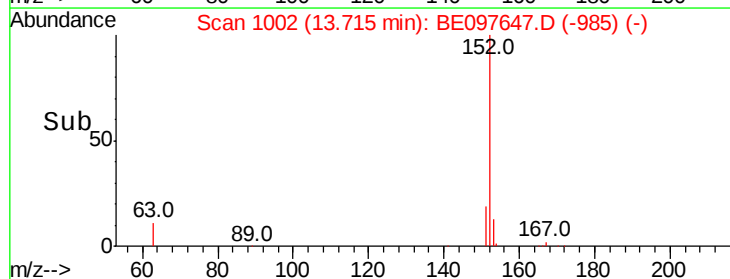
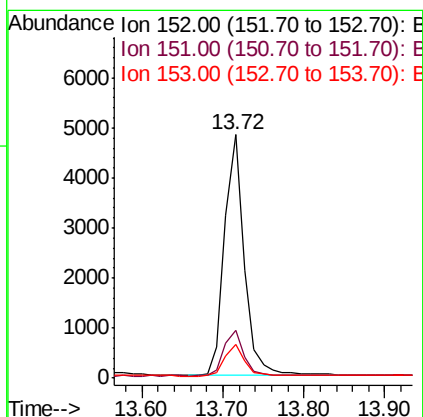
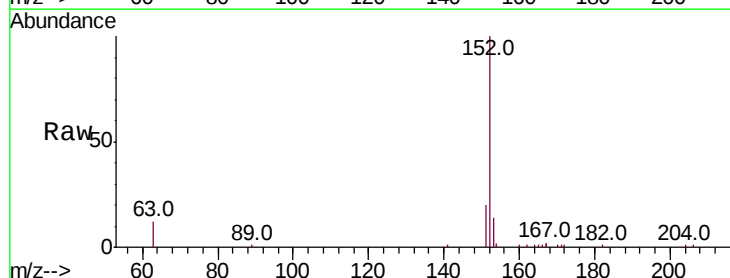
Instrument :
BNA_E
ClientSampleId :

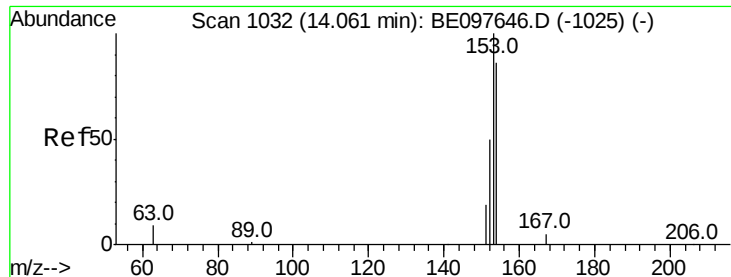
Tot Ion:172 Resp: 6761
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 23.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.818 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

Tgt Ion:152 Resp: 8198
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.3 10.5 15.7





#17

Acenaphthene

Concen: 0.815 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

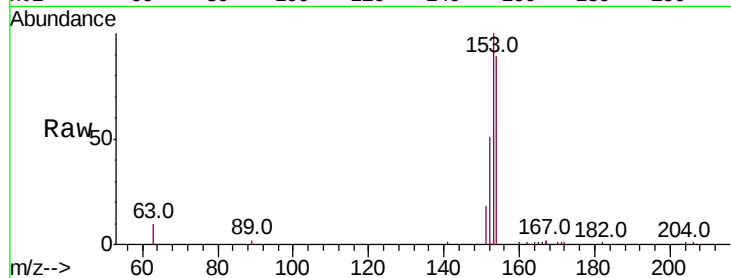
Tot Ion:154 Resp: 5479

Ion Ratio Lower Upper

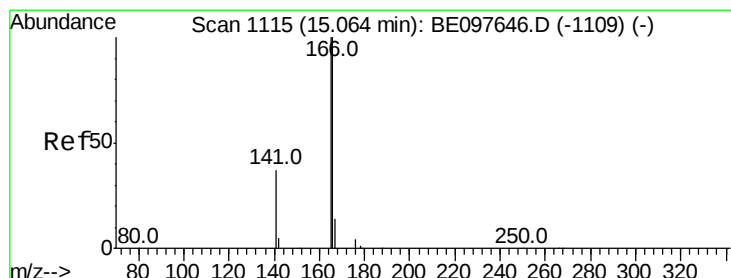
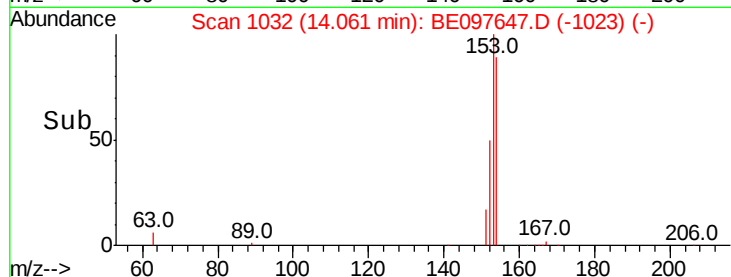
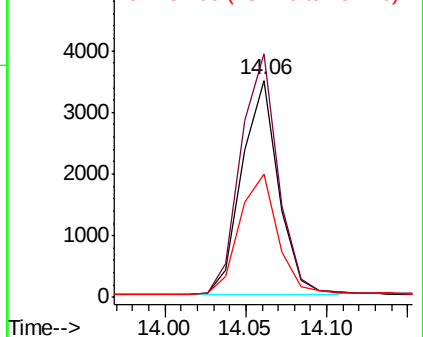
154 100

153 114.1 89.2 133.8

152 58.4 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: 0.870 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

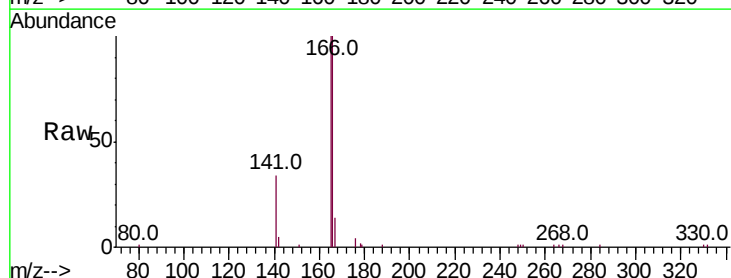
Tgt Ion:166 Resp: 7620

Ion Ratio Lower Upper

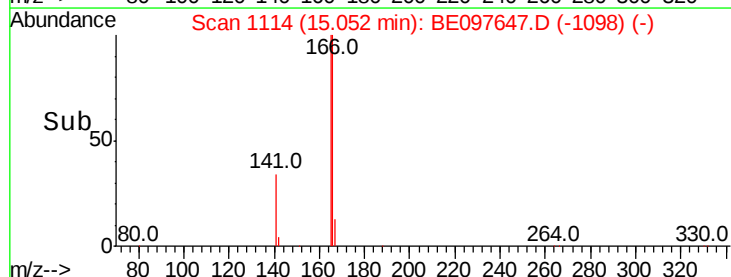
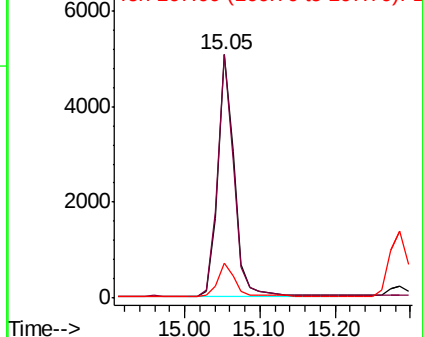
166 100

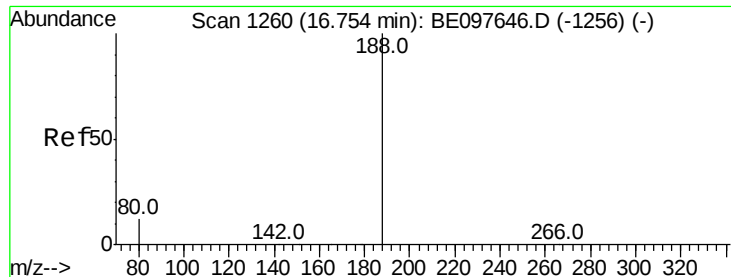
165 99.0 77.8 116.6

167 13.5 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

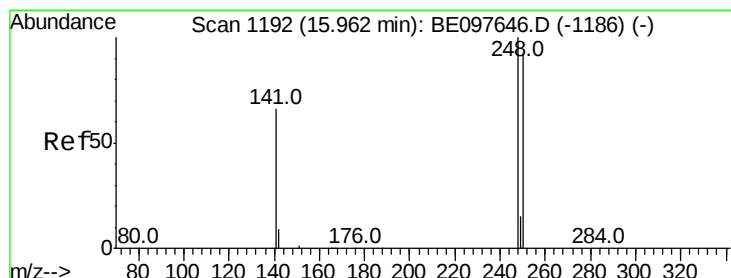
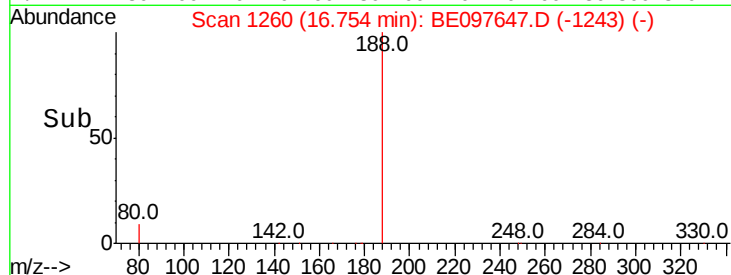
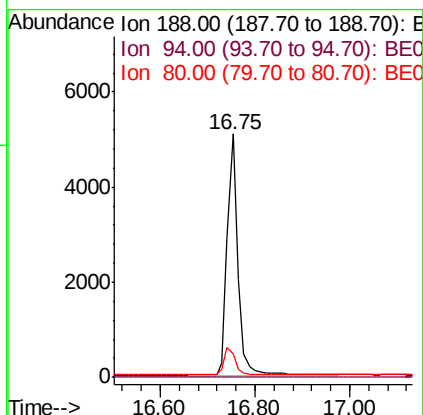
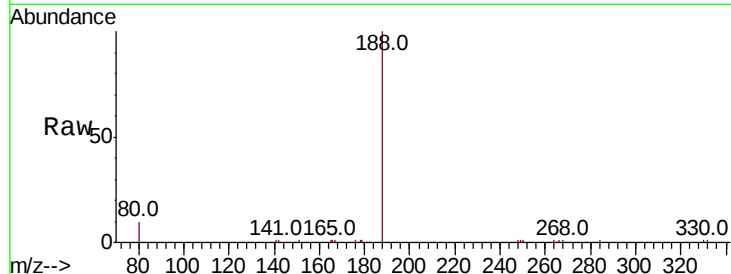




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

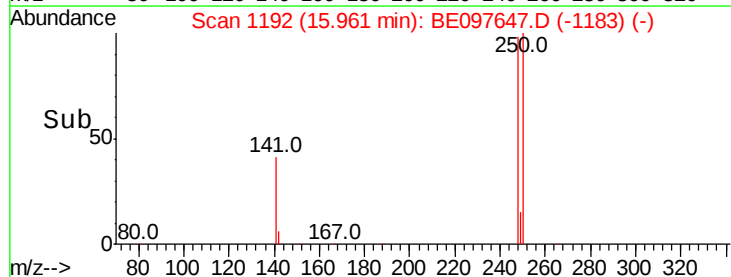
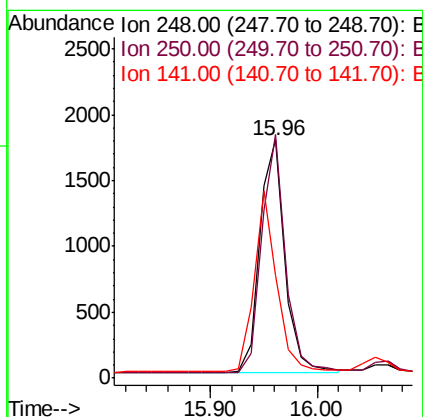
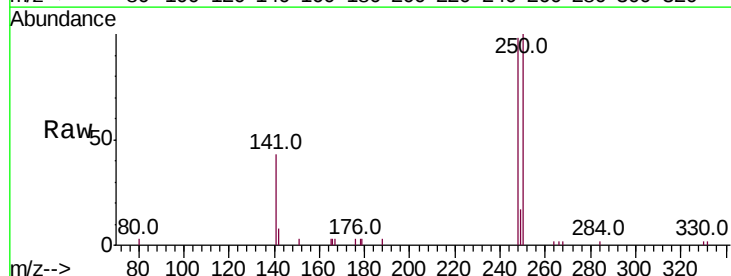
Instrument :
BNA_E
ClientSampleId :

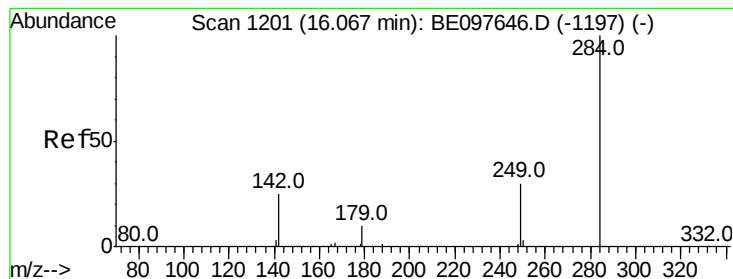
Tot Ion:188 Resp: 7905
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 9.7 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.813 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097647.D
Acq: 24 Sep 2018 16:20

Tgt Ion:248 Resp: 2899
Ion Ratio Lower Upper
248 100
250 102.1 62.7 94.1#
141 43.4 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.836 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

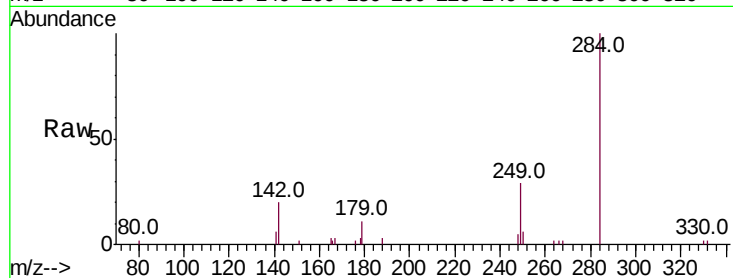
Tot Ion:284 Resp: 3276

Ion Ratio Lower Upper

284 100

142 30.6 22.1 33.1

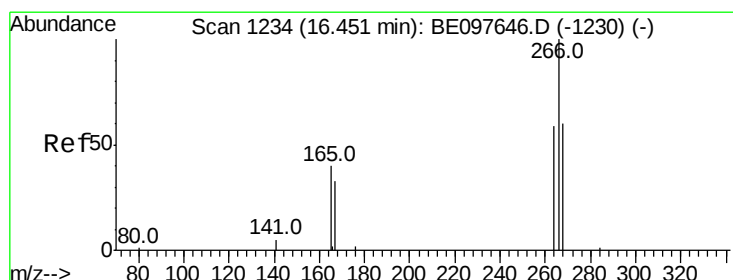
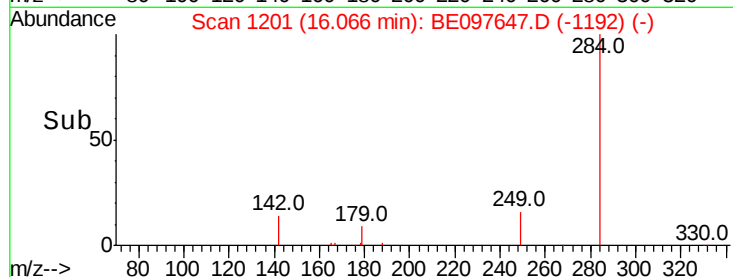
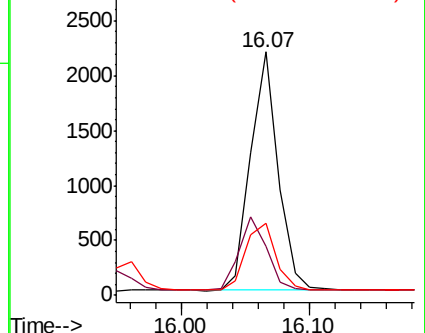
249 30.3 34.8 52.2#



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: 0.537 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

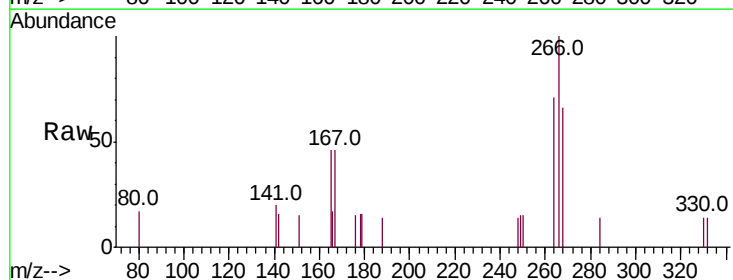
Tgt Ion:266 Resp: 736

Ion Ratio Lower Upper

266 100

264 71.5 72.5 108.7#

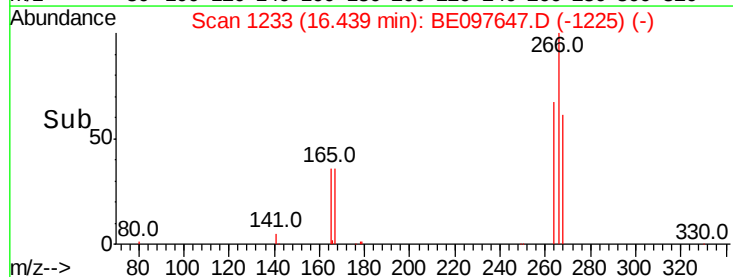
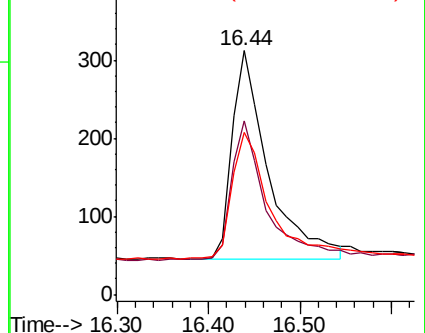
268 66.3 73.8 110.6#

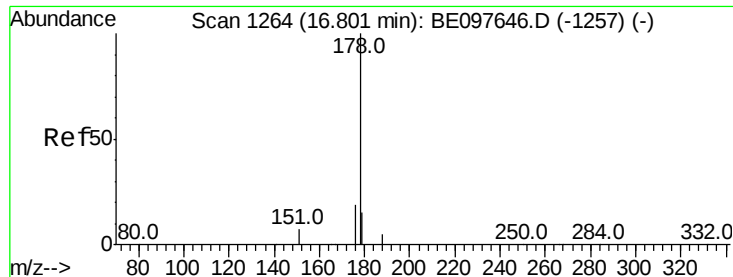


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.806 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampled :

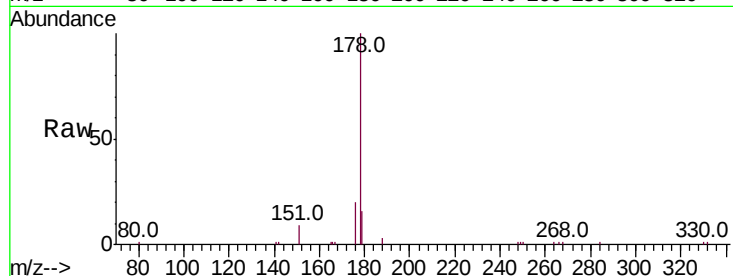
Tot Ion:178 Resp: 15134

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

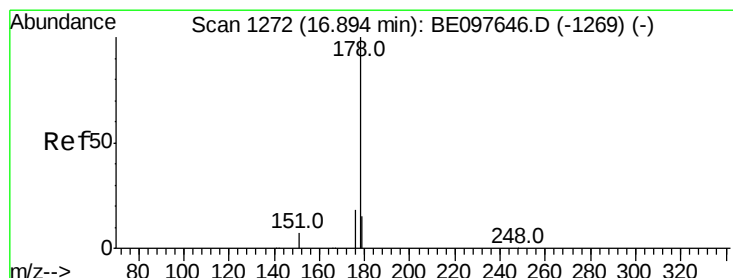
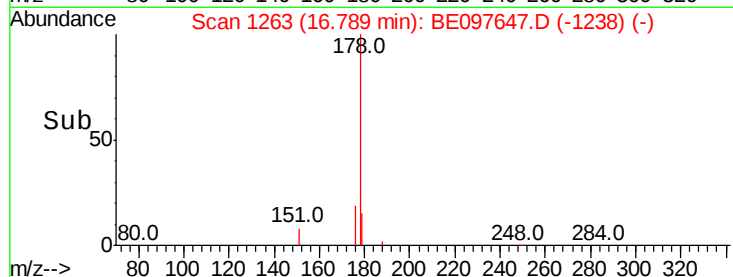
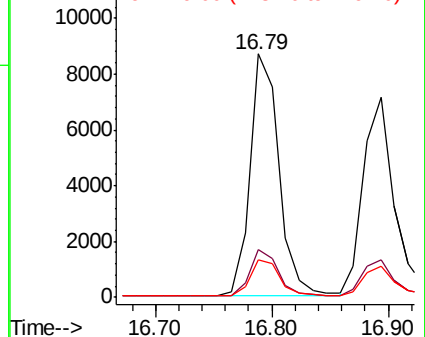
179 15.3 11.8 17.6



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: 0.785 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

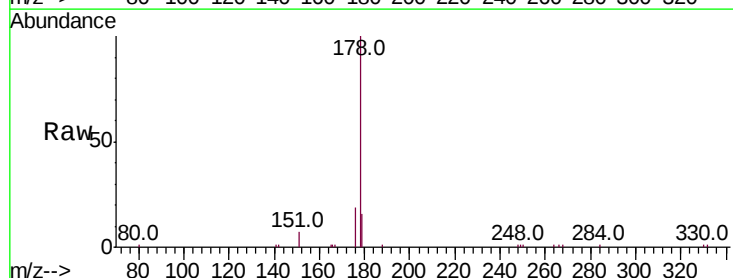
Tgt Ion:178 Resp: 13017

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

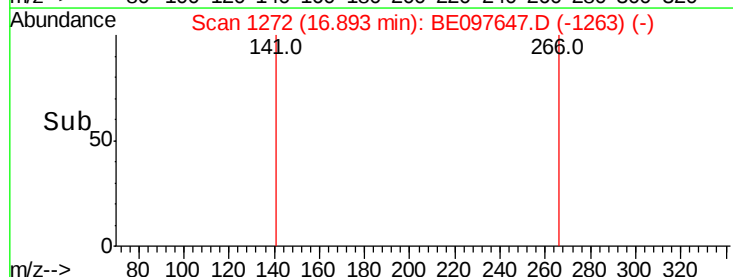
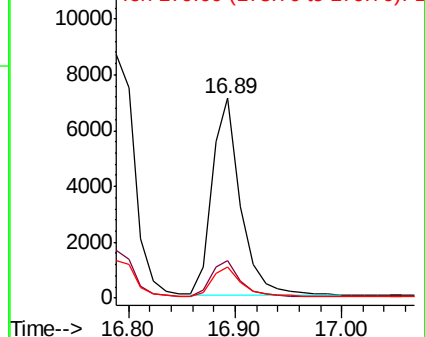
179 15.4 13.0 19.6

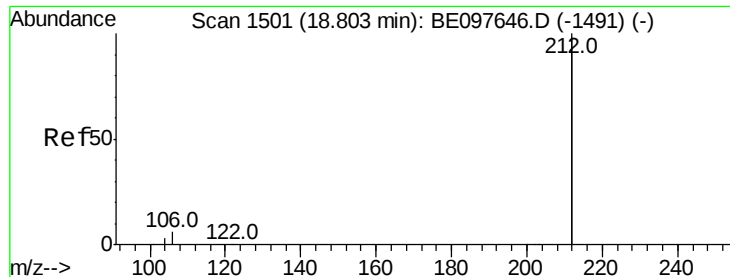


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.683 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampled :

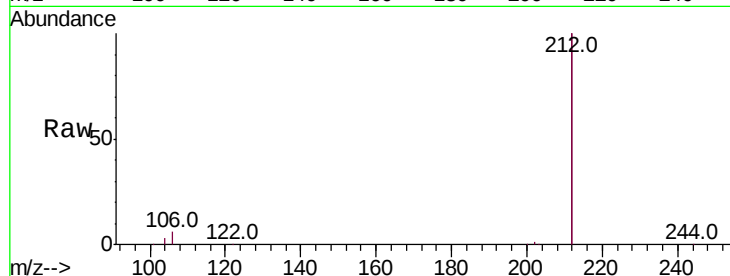
Tot Ion:212 Resp: 69106

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

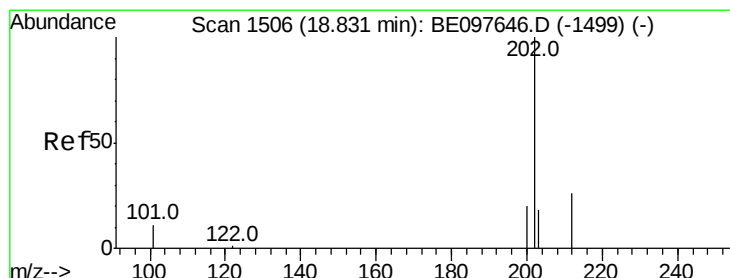
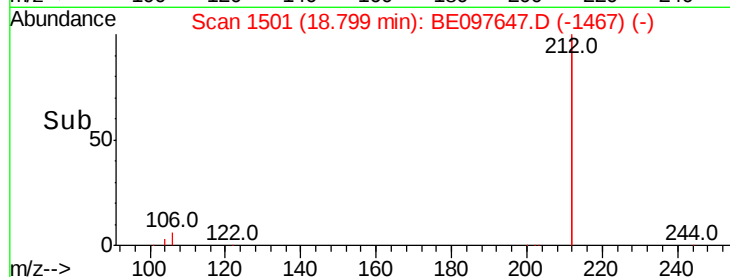
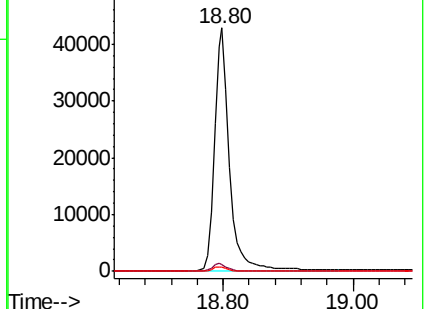
104 1.7 1.6 2.4



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: 0.711 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

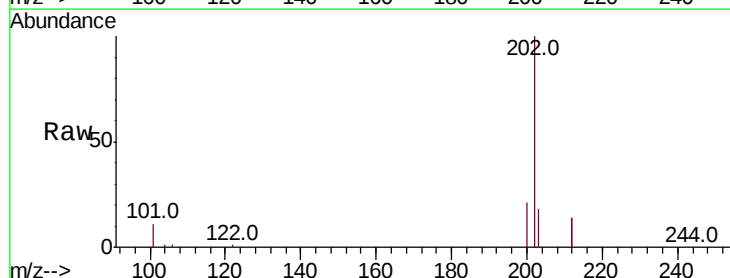
Tgt Ion:202 Resp: 18513

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

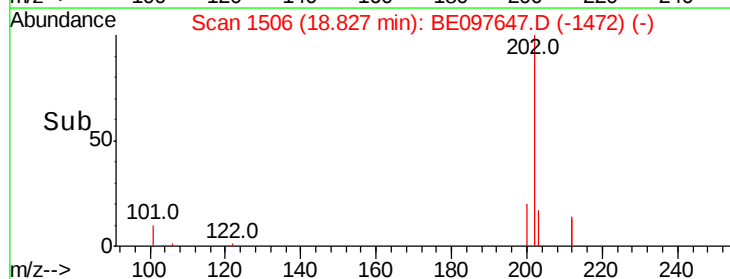
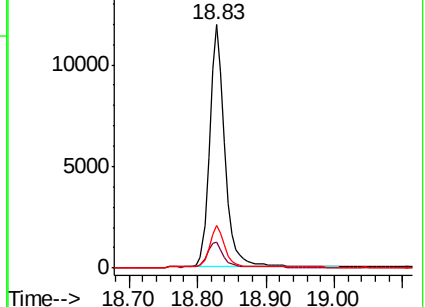
203 16.9 13.7 20.5

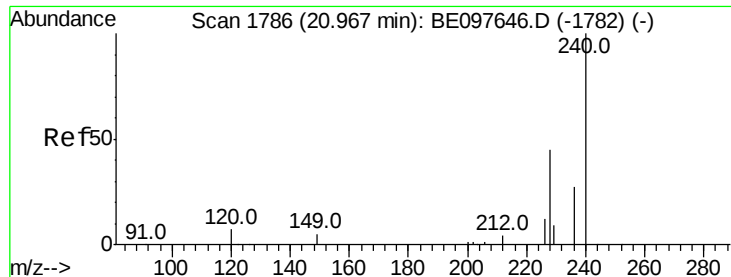


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

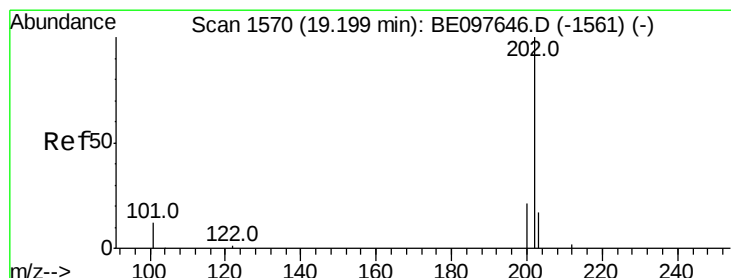
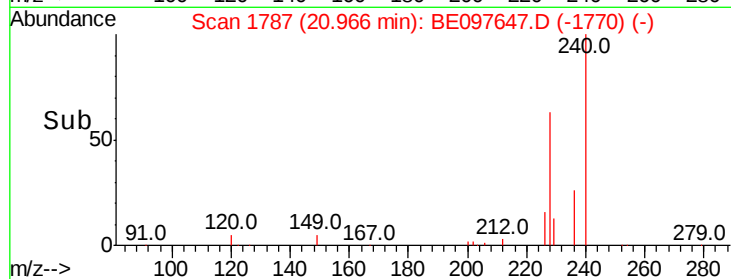
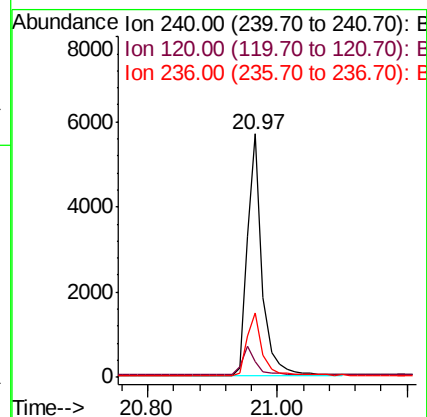
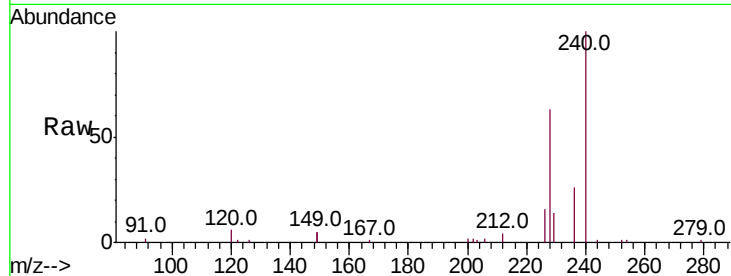




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BE097647.D
 Acq: 24 Sep 2018 16:20

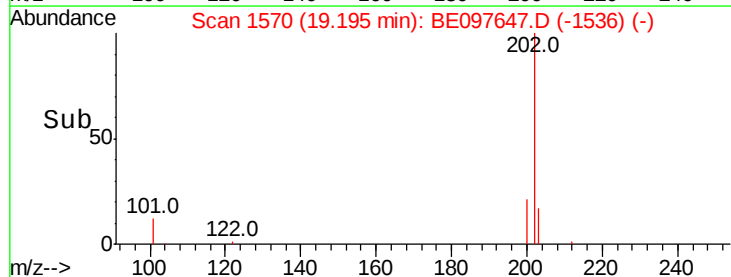
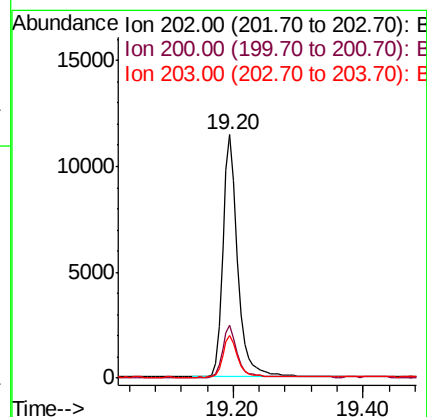
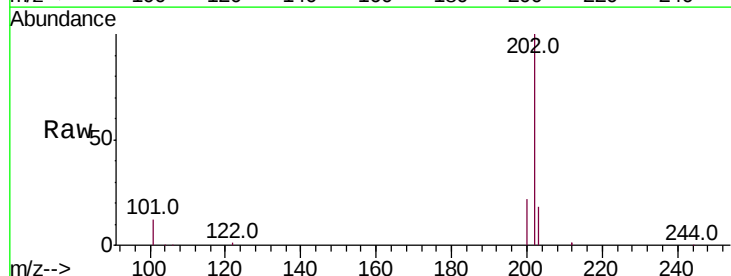
Instrument :
 BNA_E
 ClientSampleId :

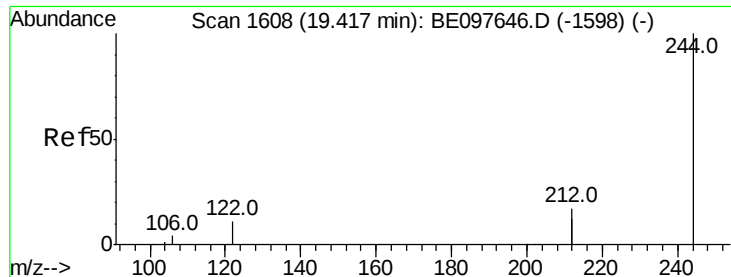
Tot Ion:240 Resp: 8876
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.5 8.3
 236 26.5 20.7 31.1



#28
 Pyrene
 Concen: 0.916 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097647.D
 Acq: 24 Sep 2018 16:20

Tgt Ion:202 Resp: 18502
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 17.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.872 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampled :

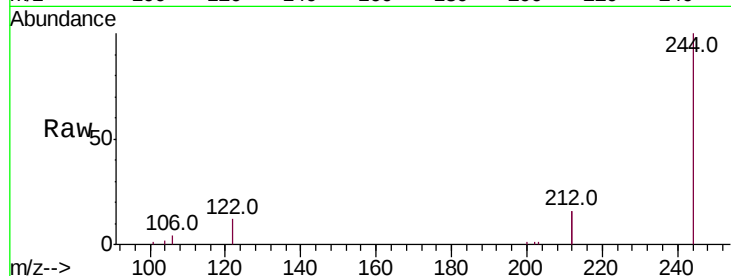
Tot Ion:244 Resp: 14160

Ion Ratio Lower Upper

244 100

212 31.6 25.4 38.0

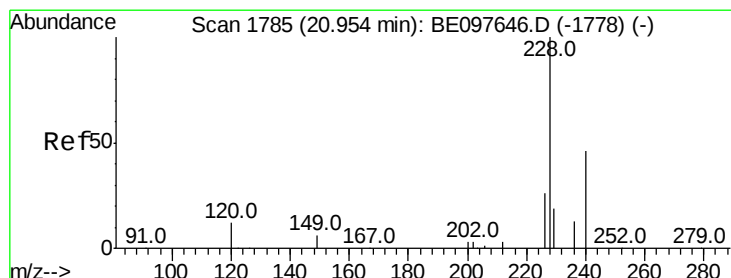
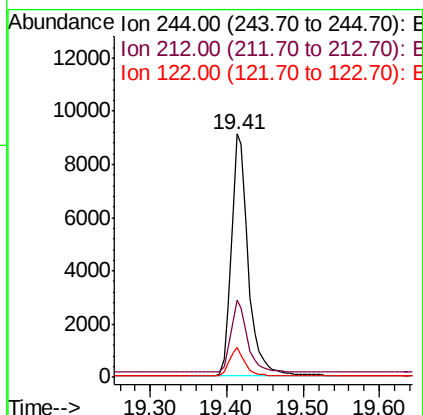
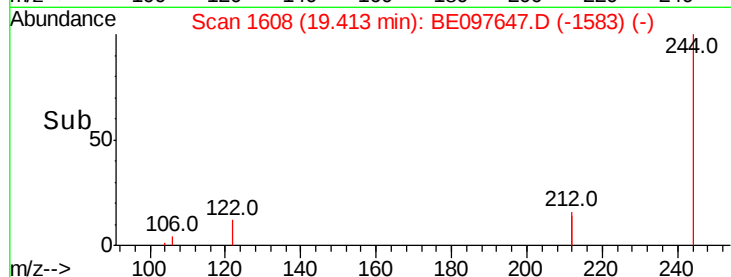
122 12.0 8.1 12.1



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: 0.758 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

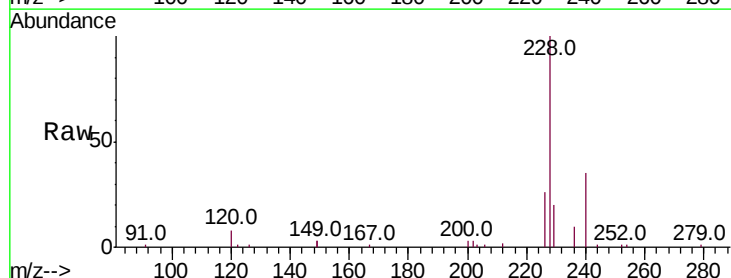
Tgt Ion:228 Resp: 16940

Ion Ratio Lower Upper

228 100

226 26.3 24.0 36.0

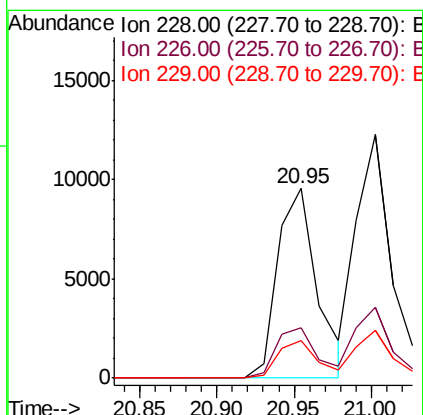
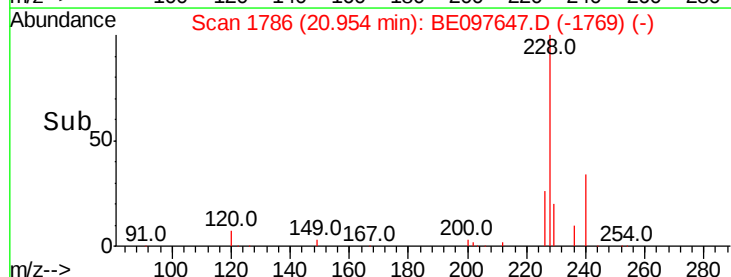
229 20.1 16.0 24.0

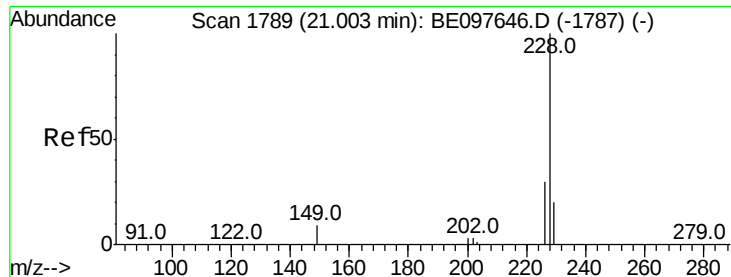


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.817 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

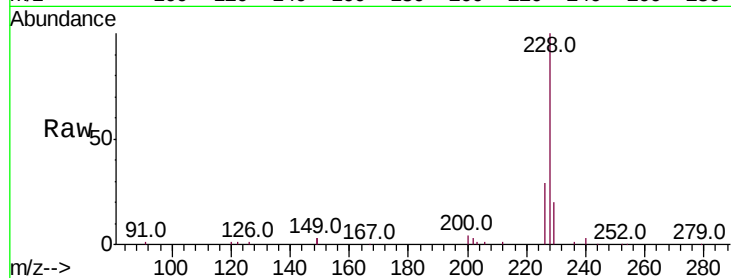
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 19586

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	19.7	16.0	24.0

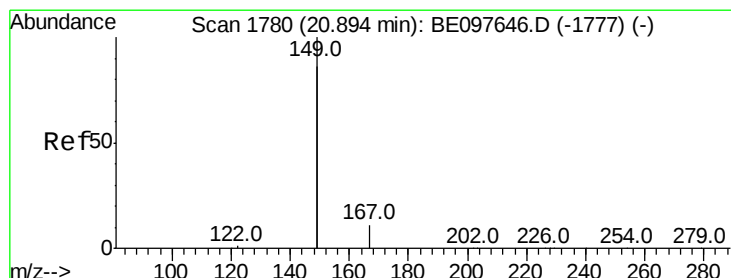
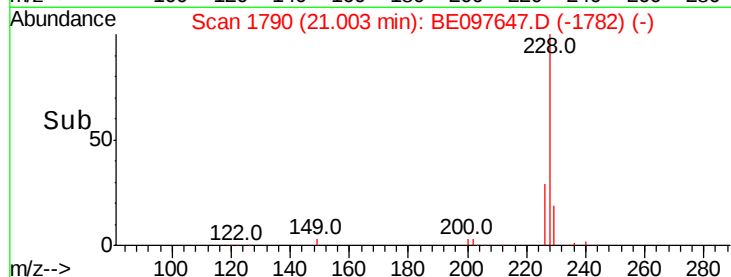
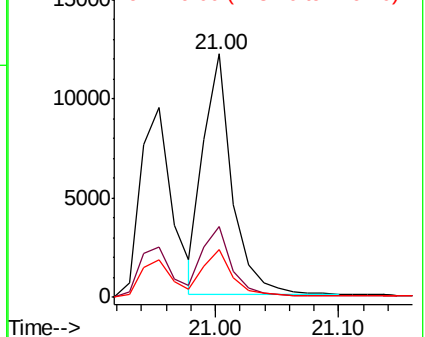


Abundance

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: 0.419 ng

RT: 20.89 min Scan# 1781

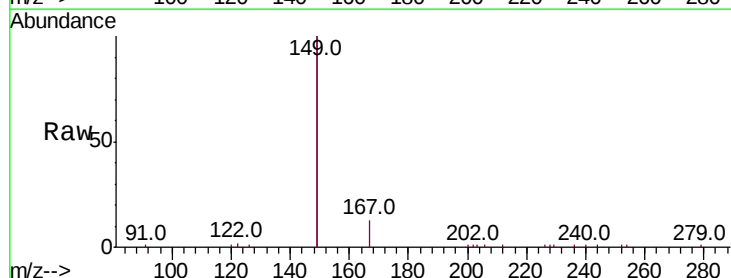
Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Tgt Ion:149 Resp: 18664

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.1	0.7	1.1

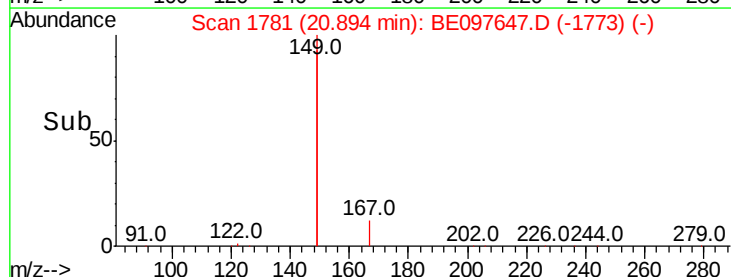
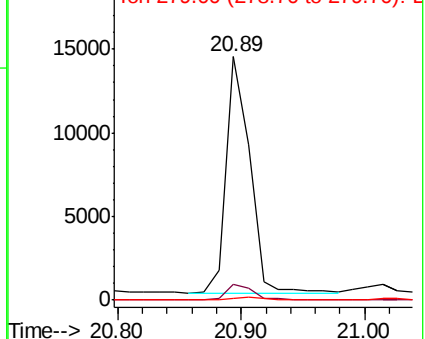


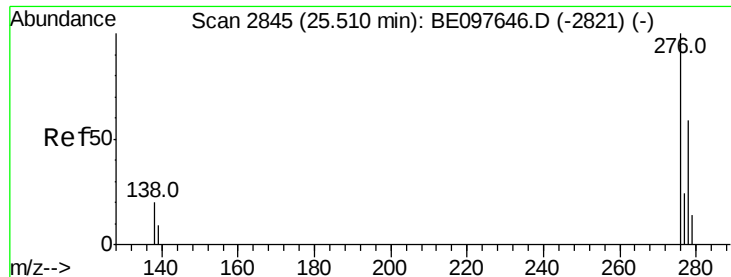
Abundance

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: 0.732 ng

RT: 25.49 min Scan# 2841

Delta R.T. -0.02 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

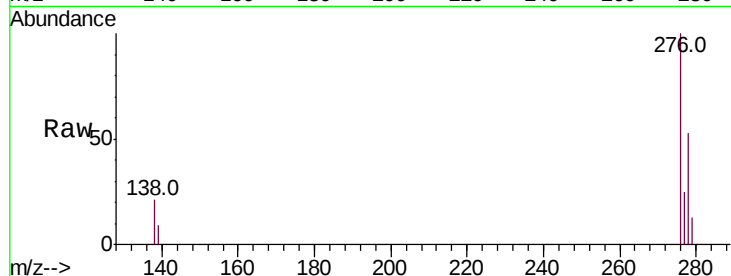
Tot Ion:276 Resp: 21130

Ion Ratio Lower Upper

276 100

138 20.5 22.5 33.7#

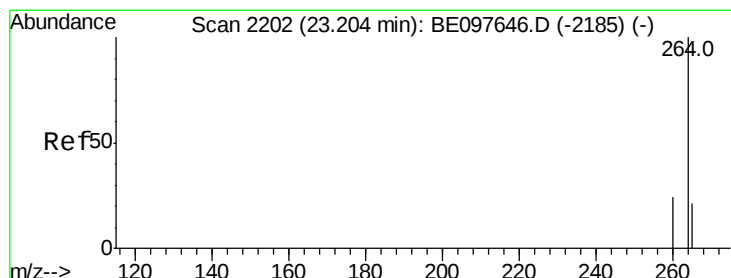
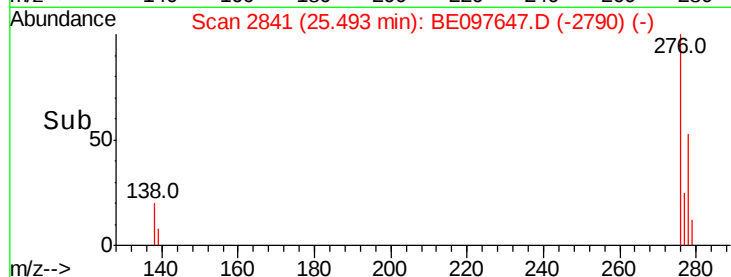
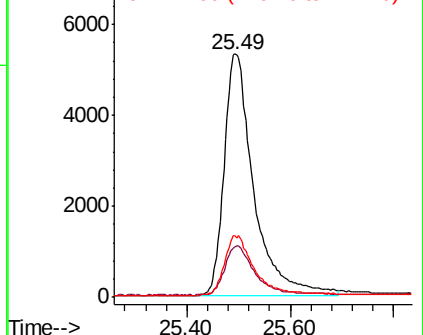
277 25.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

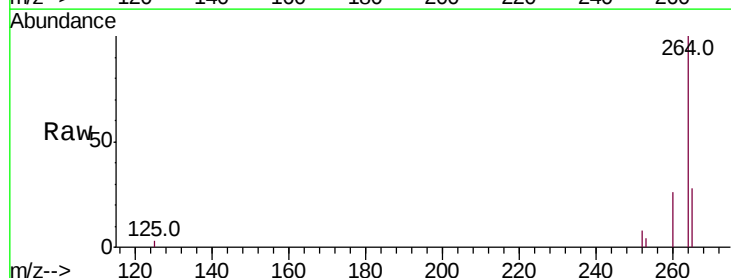
Tgt Ion:264 Resp: 7934

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

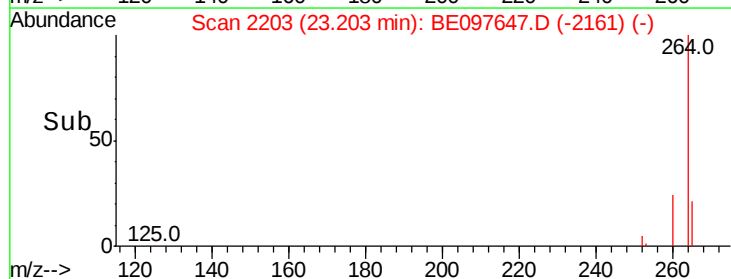
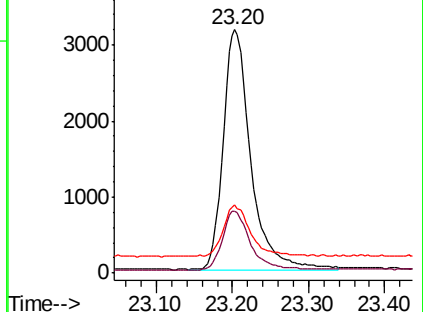
265 28.3 22.8 34.2

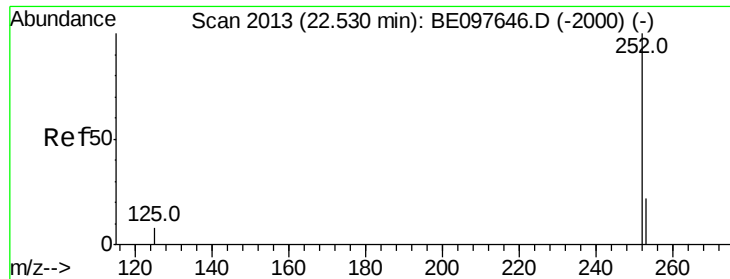


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.814 ng

RT: 22.52 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

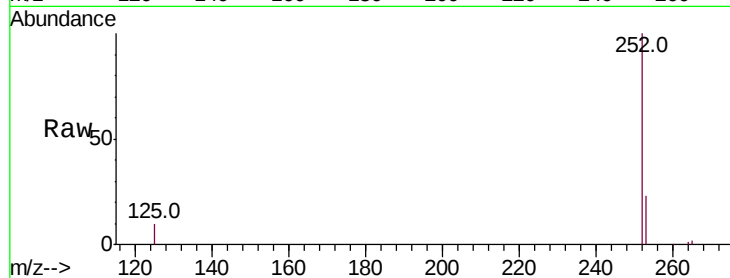
Tot Ion:252 Resp: 16551

Ion Ratio Lower Upper

252 100

253 22.7 20.0 30.0

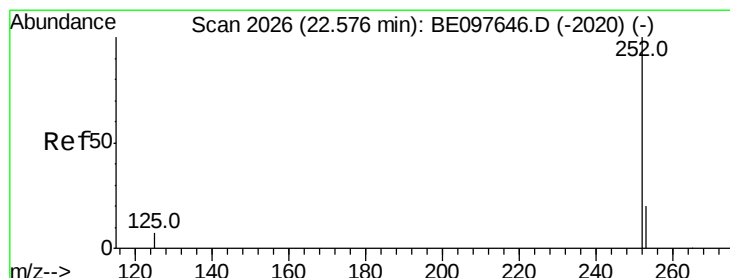
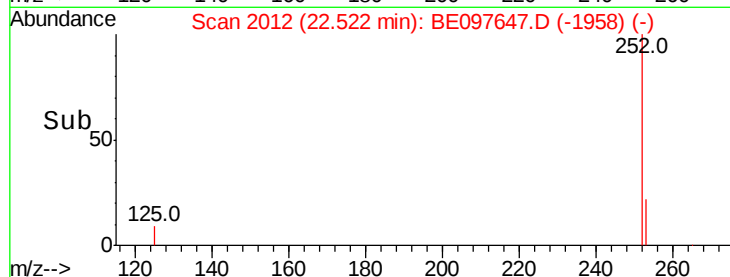
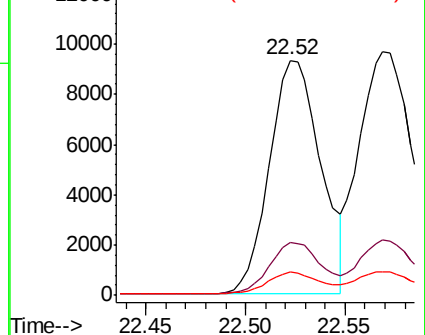
125 9.8 16.0 24.0#



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: 0.839 ng

RT: 22.57 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

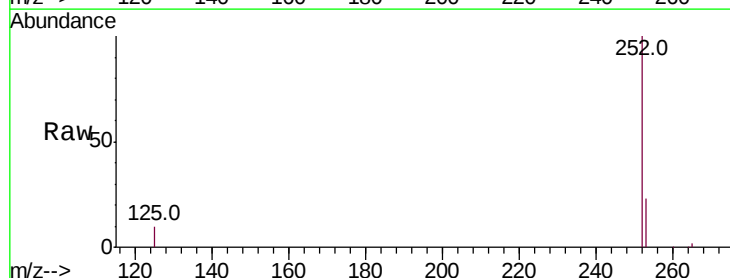
Tgt Ion:252 Resp: 19491

Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

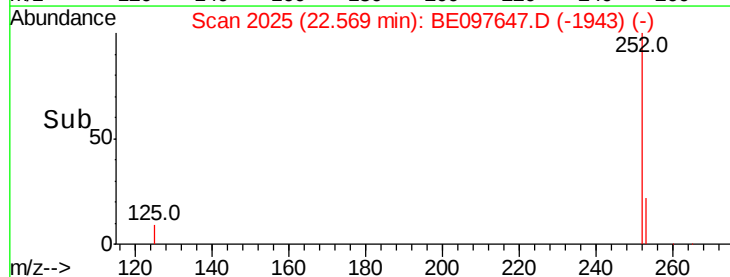
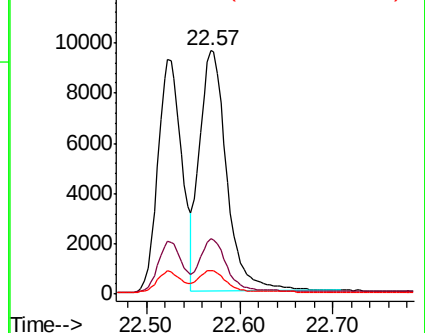
125 9.9 8.0 12.0

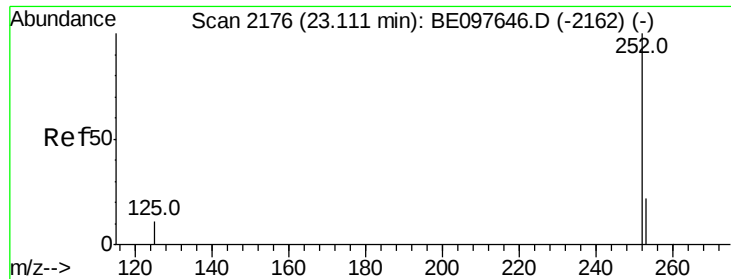


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.756 ng

RT: 23.10 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

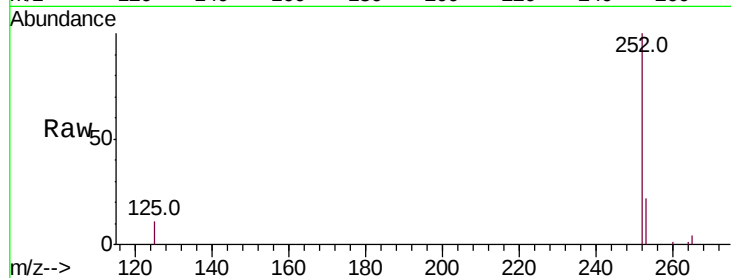
Tot Ion:252 Resp: 15794

Ion Ratio Lower Upper

252 100

253 22.1 16.0 24.0

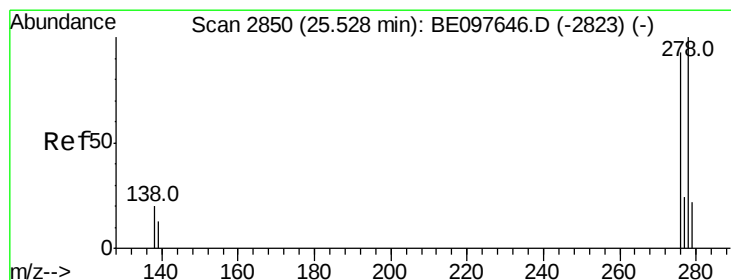
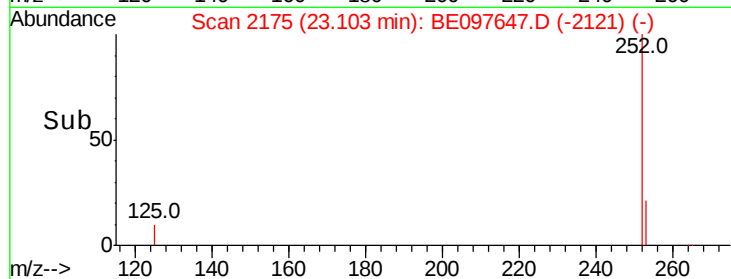
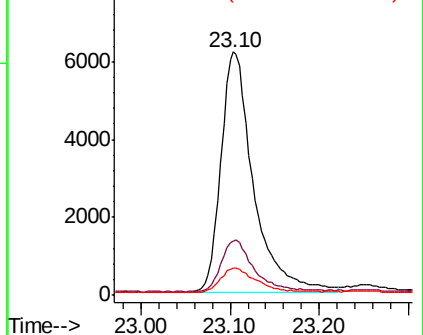
125 11.4 12.0 18.0#



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: 0.823 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

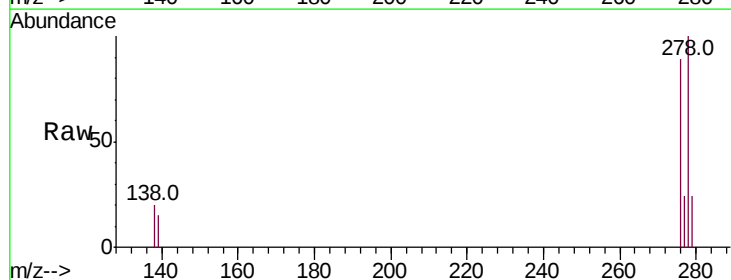
Tgt Ion:278 Resp: 17546

Ion Ratio Lower Upper

278 100

139 14.6 16.0 24.0#

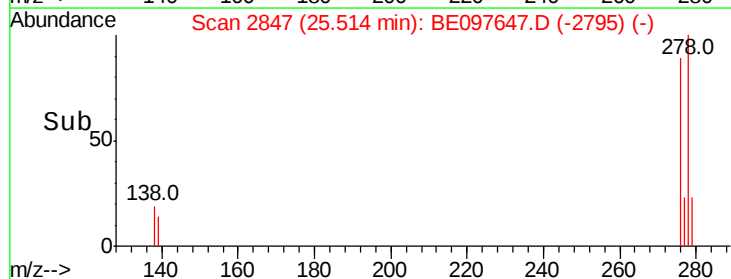
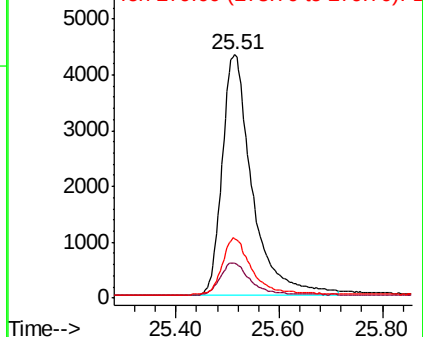
279 24.2 20.0 30.0

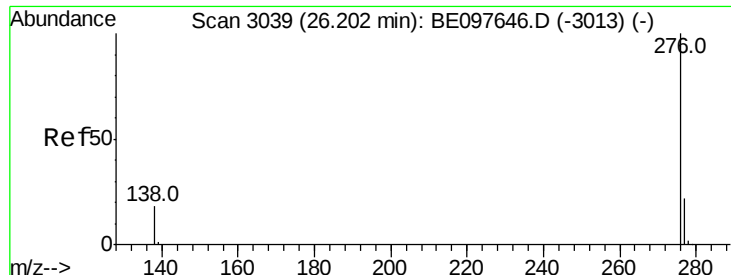


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.829 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.01 min

Lab File: BE097647.D

Acq: 24 Sep 2018 16:20

Instrument :

BNA_E

ClientSampleId :

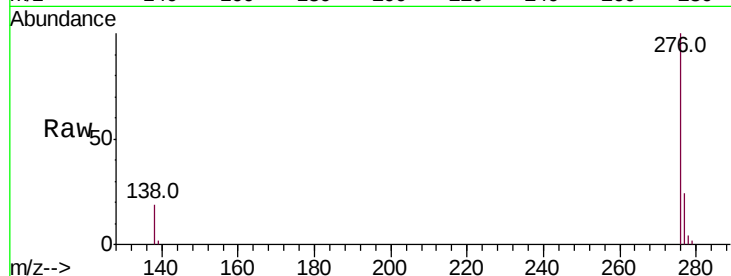
Tot Ion:276 Resp: 17197

Ion Ratio Lower Upper

276 100

277 24.1 16.0 24.0#

138 18.7 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

