

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097333.D
 Acq On : 20 Aug 2018 15:30
 Operator : SJ/JU
 Sample : SSTDICC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 20 16:09:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 20 16:08:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	943	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4848	0.40	ng	0.00
13) Acenaphthene-d10	14.02	164	2289	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5728	0.40	ng	0.00
27) Chrysene-d12	20.98	240	4606	0.40	ng	0.00
34) Perylene-d12	23.22	264	3268	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	746	0.24	ng	0.00
5) Phenol-d6	6.60	99	1130	0.26	ng	0.00
8) Nitrobenzene-d5	8.52	82	747	0.17	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2384	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	119	0.16	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	3528	0.41	ng	0.00
25) Fluoranthene-d10	18.81	212	17801	0.31	ng	0.00
29) Terphenyl-d14	19.43	244	3403	0.39	ng	0.00

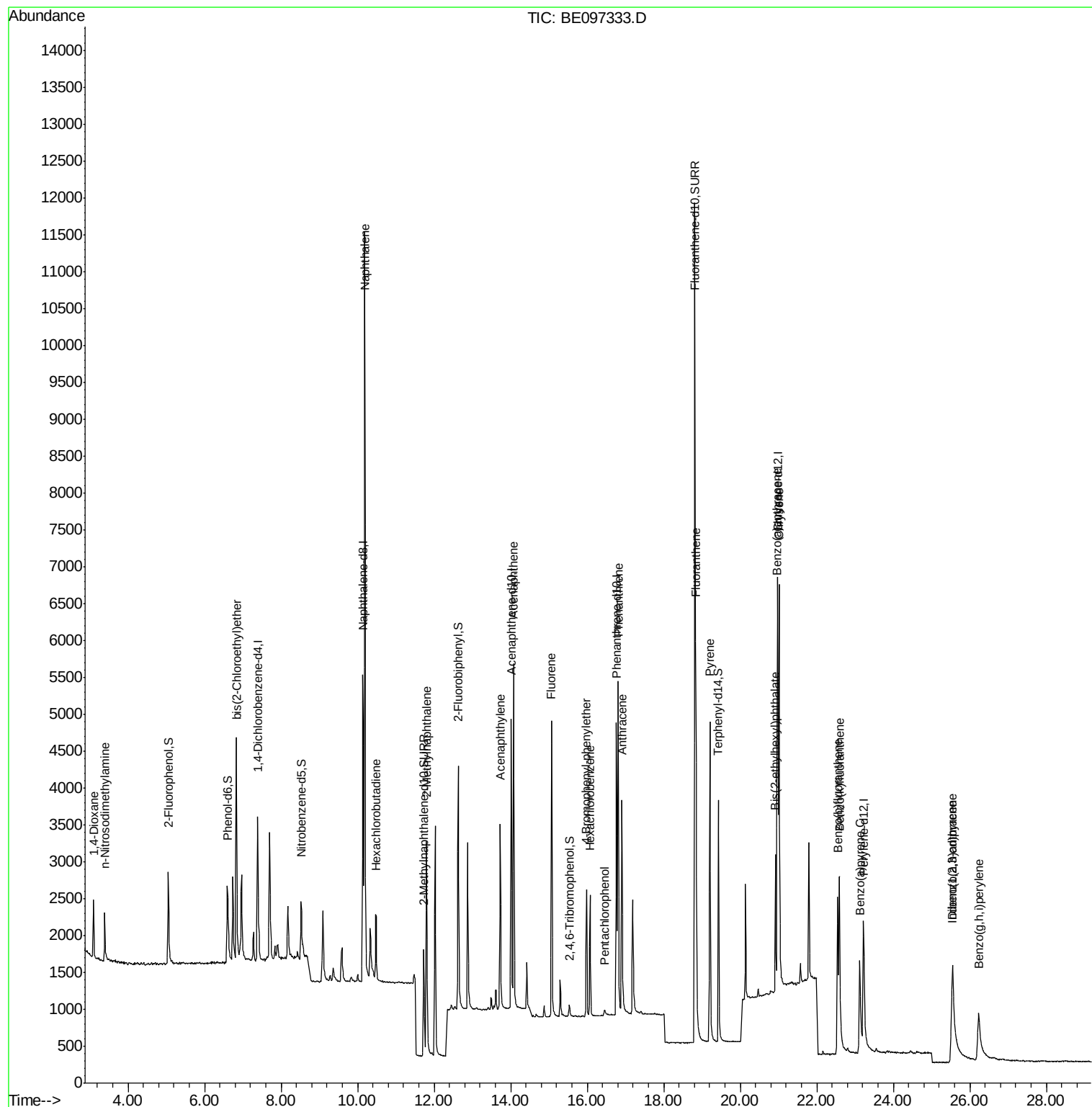
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	508	0.479	ng	# 86
3) n-Nitrosodimethylamine	3.38	42	450	0.366	ng	88
6) bis(2-Chloroethyl)ether	6.84	93	1162	0.329	ng	100
9) Naphthalene	10.18	128	16577	0.366	ng	100
10) Hexachlorobutadiene	10.48	225	738	0.361	ng	94
12) 2-Methylnaphthalene	11.80	142	2422	0.326	ng	97
16) Acenaphthylene	13.73	152	2998	0.284	ng	99
17) Acenaphthene	14.07	154	2269	0.374	ng	# 88
18) Fluorene	15.06	166	2739	0.363	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	912	0.305	ng	# 83
21) Hexachlorobenzene	16.08	284	1325	0.390	ng	# 83
22) Pentachlorophenol	16.46	266	84	0.111	ng	91
23) Phenanthrene	16.81	178	5177	0.374	ng	99
24) Anthracene	16.91	178	3738	0.302	ng	95
26) Fluoranthene	18.84	202	4992	0.326	ng	98
28) Pyrene	19.21	202	4632	0.373	ng	100
30) Benzo(a)anthracene	20.97	228	3466	0.299	ng	98
31) Chrysene	21.01	228	4882	0.412	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	2079	0.139	ng	100
33) Indeno(1,2,3-cd)pyrene	25.54	276	2945	0.231	ng	# 75
35) Benzo(b)fluoranthene	22.54	252	3093	0.381	ng	# 92
36) Benzo(k)fluoranthene	22.59	252	4458	0.451	ng	# 92
37) Benzo(a)pyrene	23.12	252	2832	0.347	ng	# 91
38) Dibenzo(a,h)anthracene	25.55	278	2342	0.291	ng	# 91
39) Benzo(g,h,i)perylene	26.23	276	2421	0.298	ng	# 87

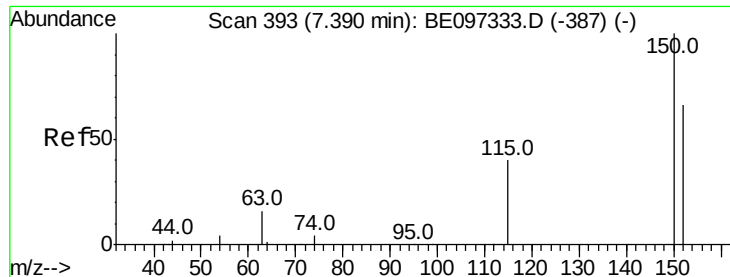
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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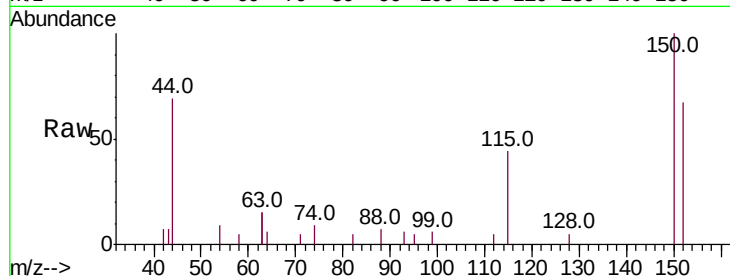


#1

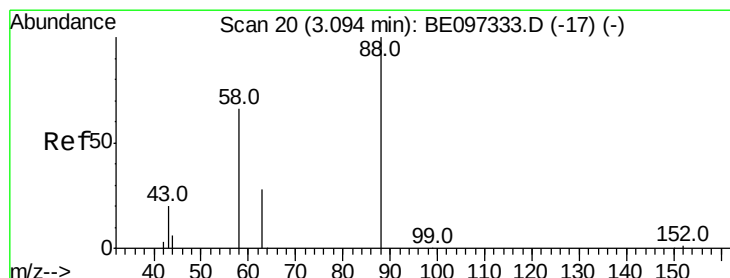
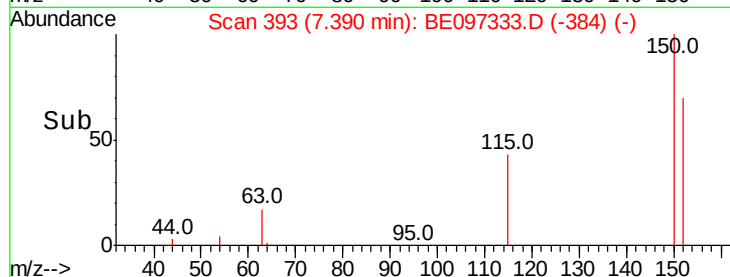
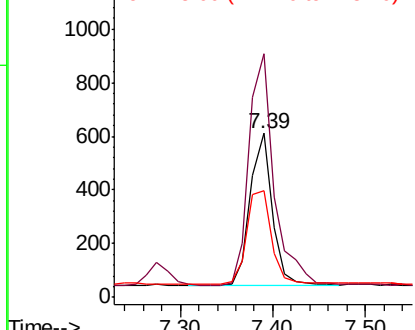
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 943
Ion Ratio Lower Upper
152 100
150 148.4 117.2 175.8
115 65.3 57.0 85.6



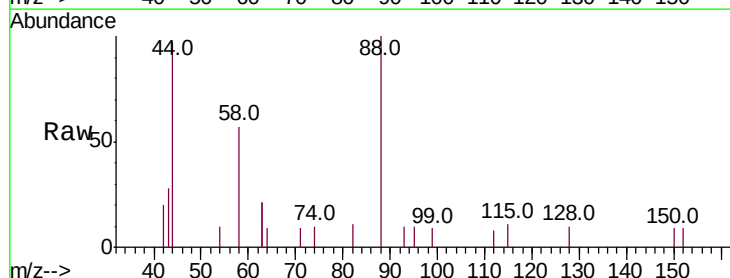
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



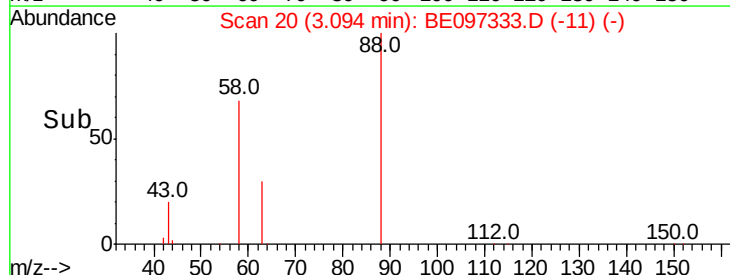
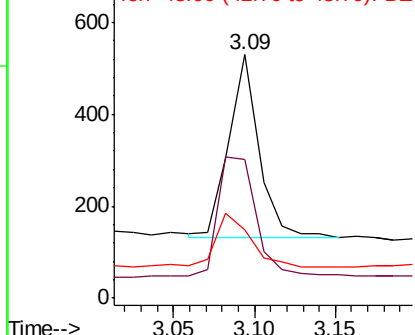
#2

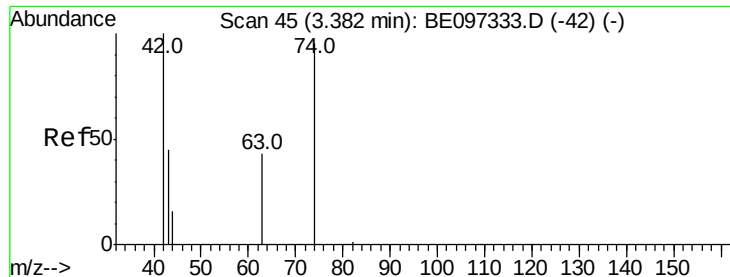
1,4-Dioxane
Concen: 0.479 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Tgt Ion: 88 Resp: 508
Ion Ratio Lower Upper
88 100
58 84.4 63.2 94.8
43 34.1 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



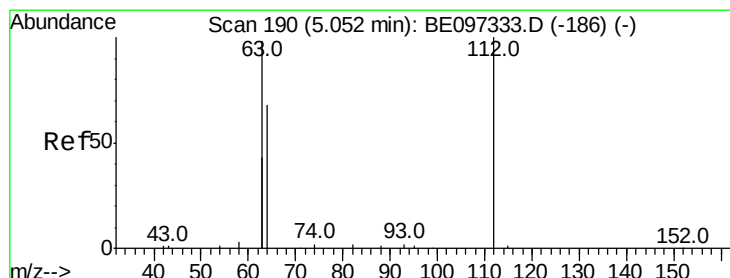
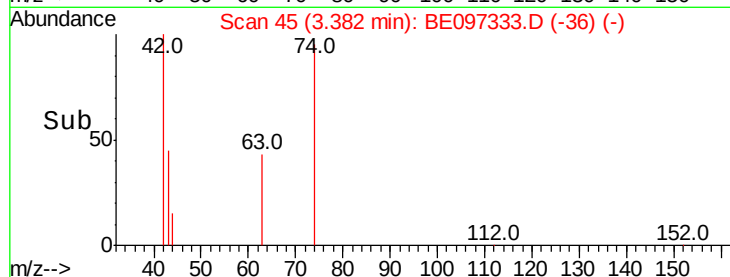
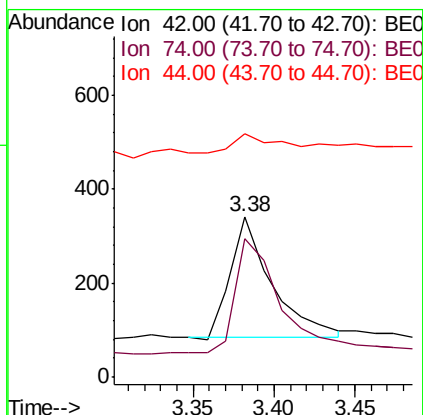
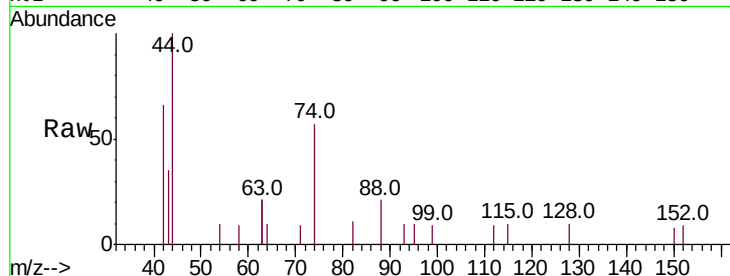


#3

n-Nitrosodimethylamine
Concen: 0.366 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Instrument :
BNA_E
ClientSampleId :

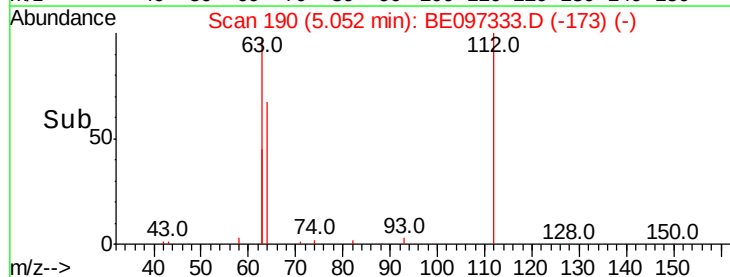
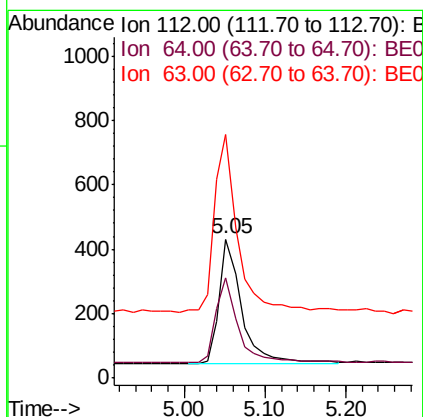
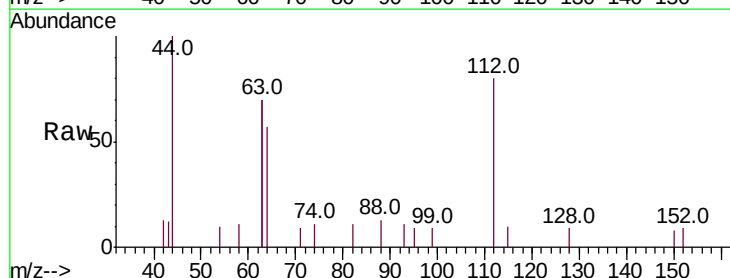
Tot Ion: 42 Resp: 450
Ion Ratio Lower Upper
42 100
74 105.3 96.0 144.0
44 17.6 12.0 18.0

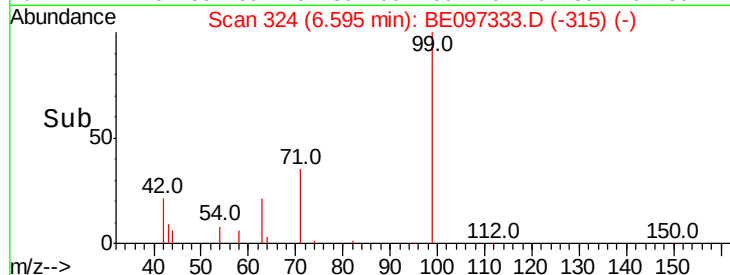
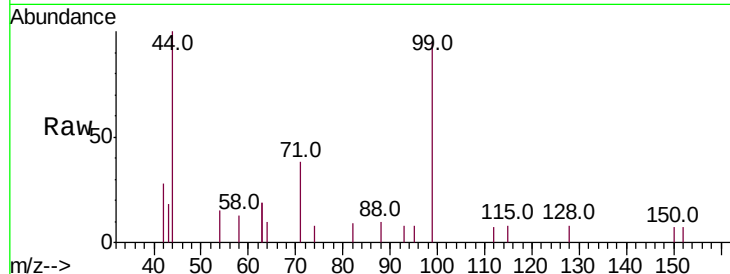
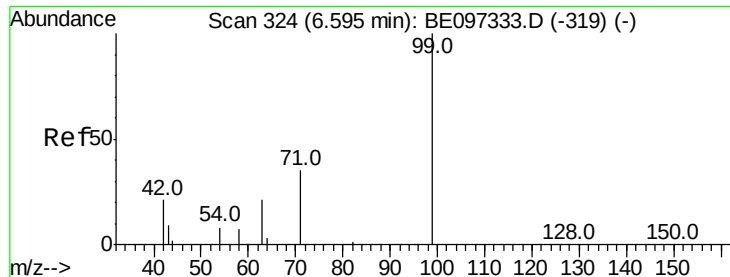


#4

2-Fluorophenol
Concen: 0.241 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Tgt Ion: 112 Resp: 746
Ion Ratio Lower Upper
112 100
64 69.7 60.1 90.1
63 148.9 116.8 175.2





#5

Phenol-d6

Concen: 0.255 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

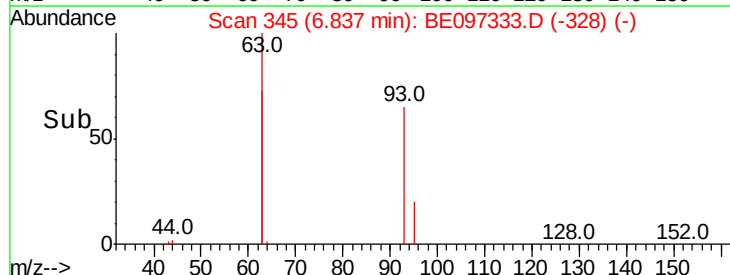
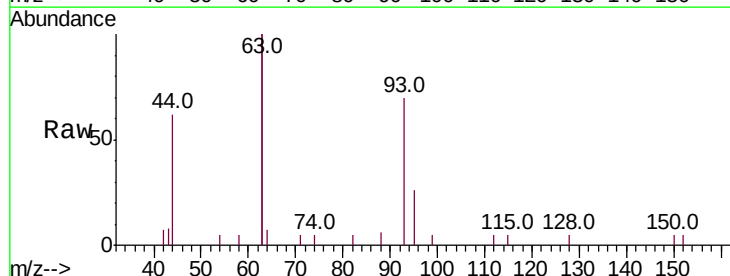
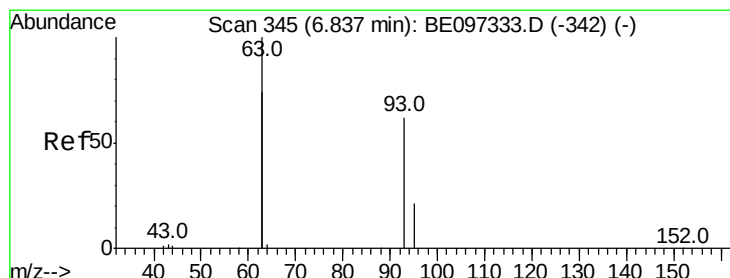
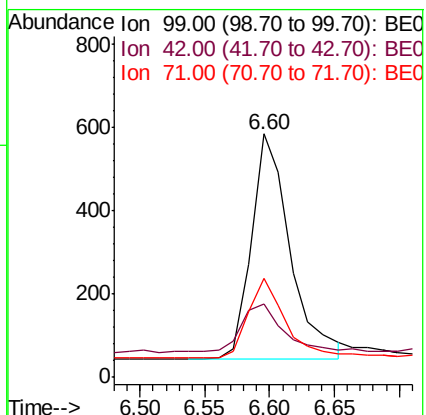
Tot Ion: 99 Resp: 1130

Ion Ratio Lower Upper

99 100

42 23.3 20.2 30.2

71 33.6 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.329 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

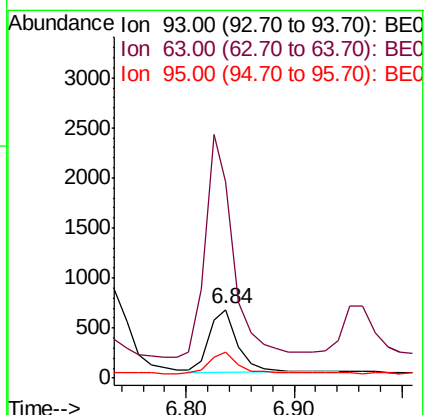
Tgt Ion: 93 Resp: 1162

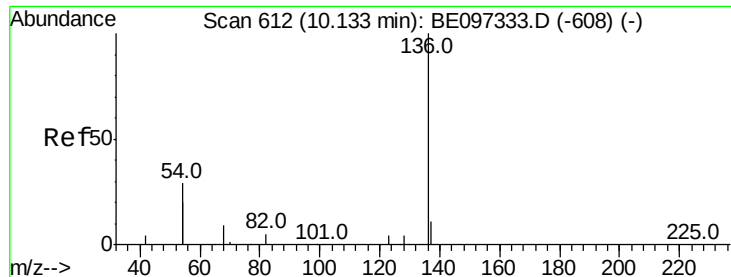
Ion Ratio Lower Upper

93 100

63 344.6 275.3 412.9

95 33.3 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4848

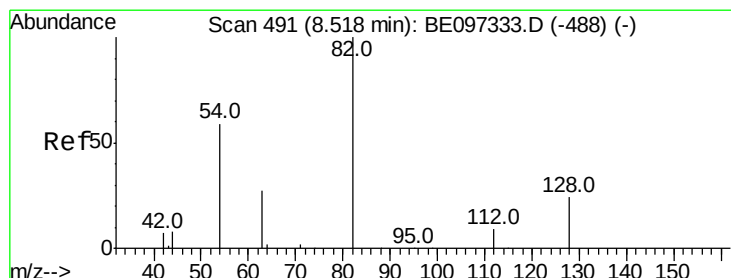
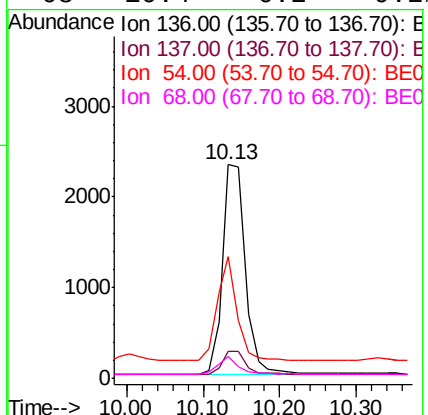
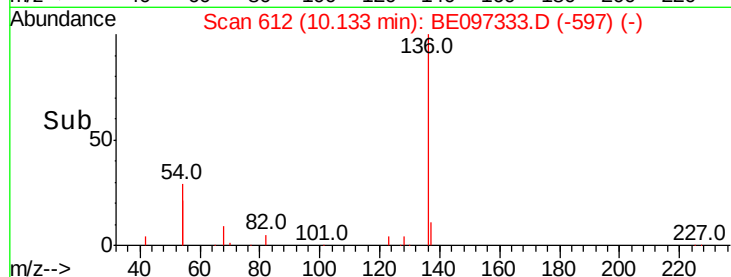
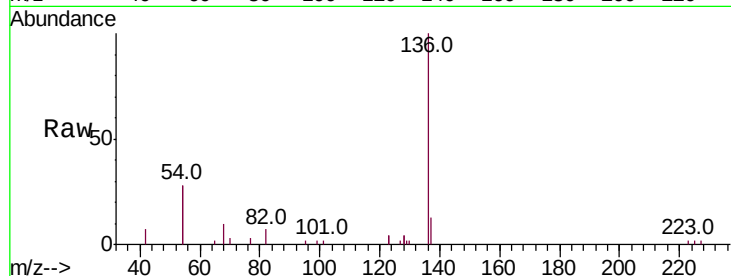
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 56.9 29.1 43.7#

68 10.4 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.168 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

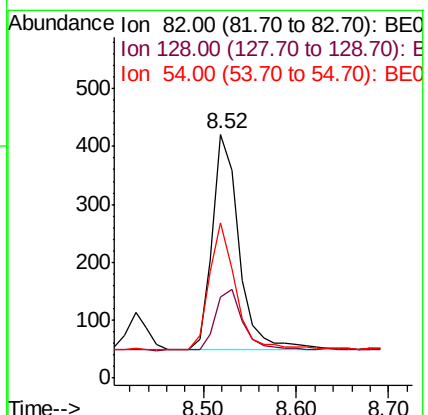
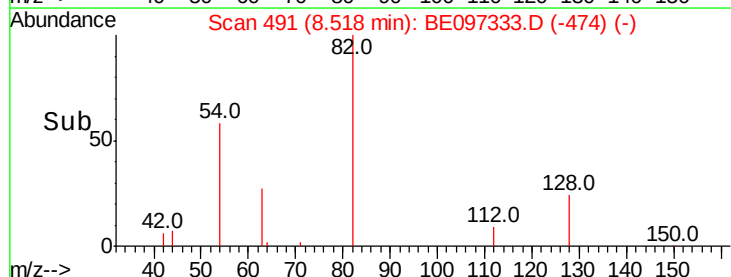
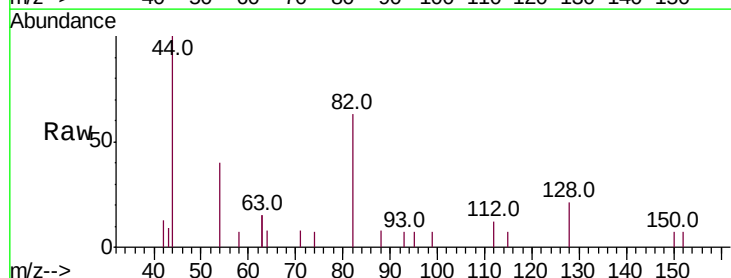
Tgt Ion: 82 Resp: 747

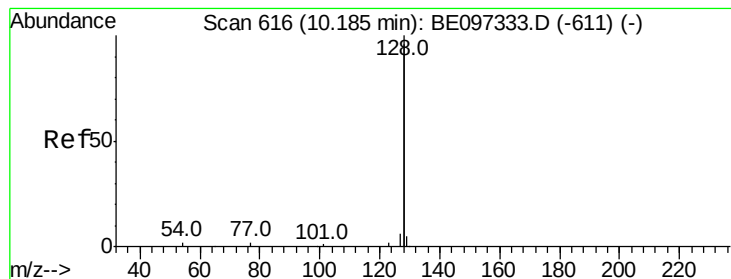
Ion Ratio Lower Upper

82 100

128 33.0 24.0 36.0

54 63.7 40.0 60.0#





#9

Naphthalene

Concen: 0.366 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

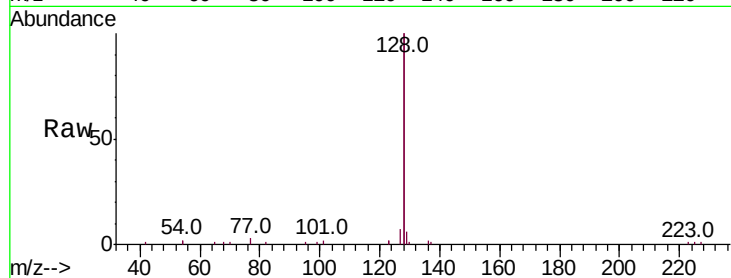
Tot Ion:128 Resp: 16577

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

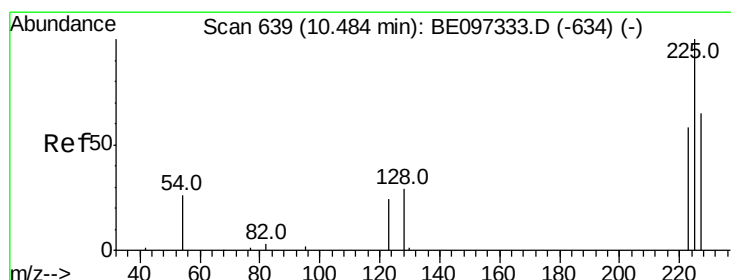
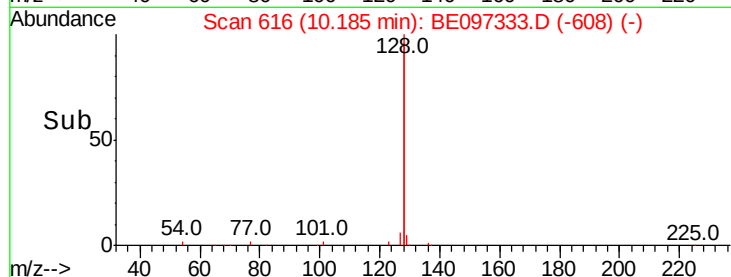
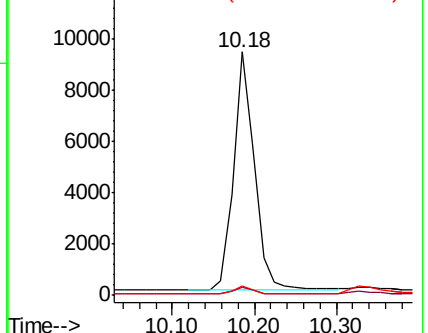
127 3.6 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.361 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

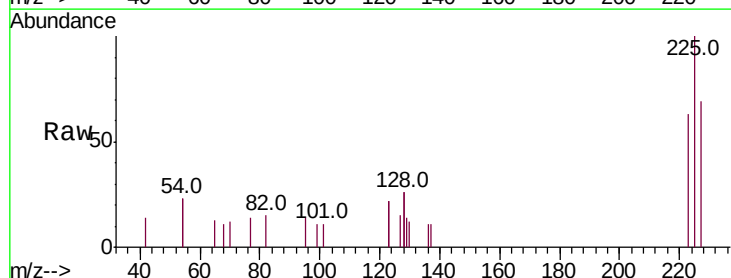
Tgt Ion:225 Resp: 738

Ion Ratio Lower Upper

225 100

223 60.4 53.0 79.6

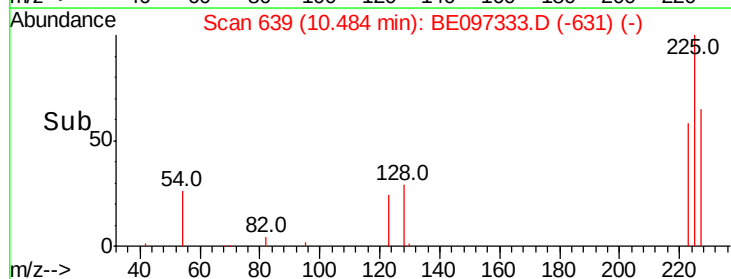
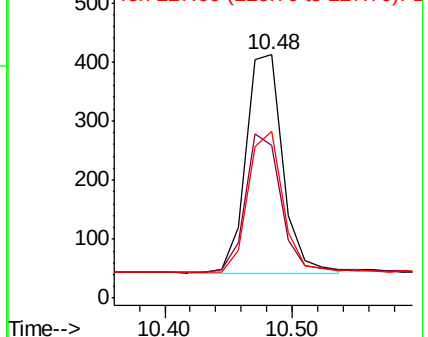
227 61.1 51.4 77.2

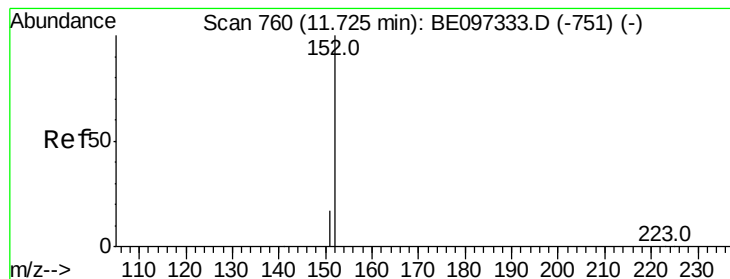


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.338 ng

RT: 11.72 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

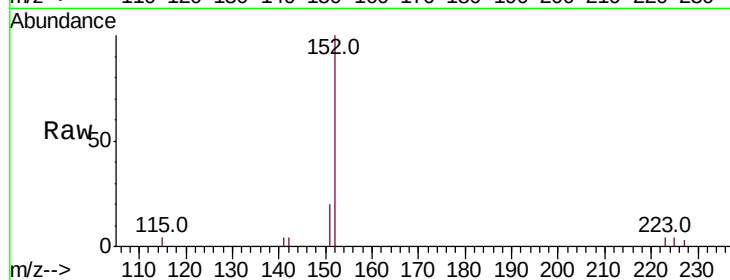
ClientSampled :

Tot Ion:152 Resp: 2384

Ion Ratio Lower Upper

152 100

151 20.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

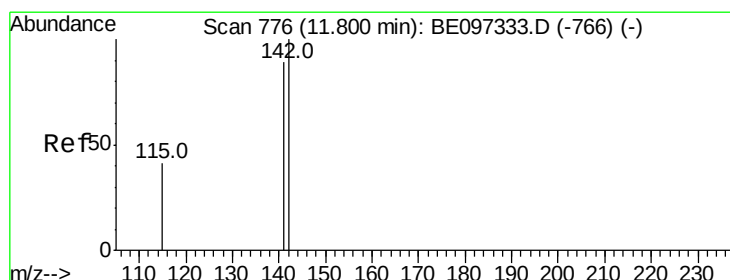
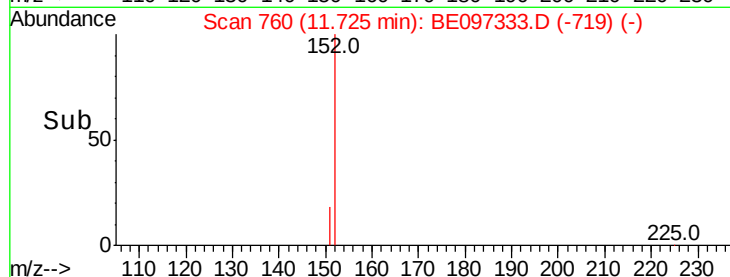
11.72

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.326 ng

RT: 11.80 min Scan# 776

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

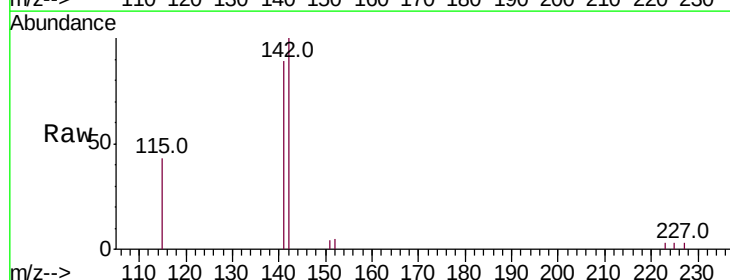
Tgt Ion:142 Resp: 2422

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

115 43.3 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.80

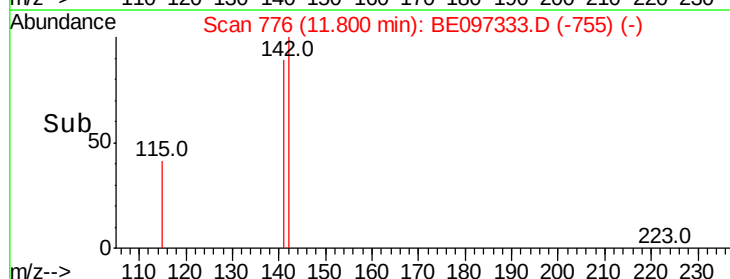
1500

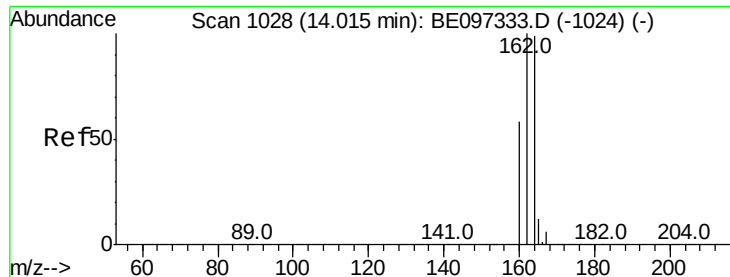
1000

500

0

Time--> 11.70 11.80 11.90

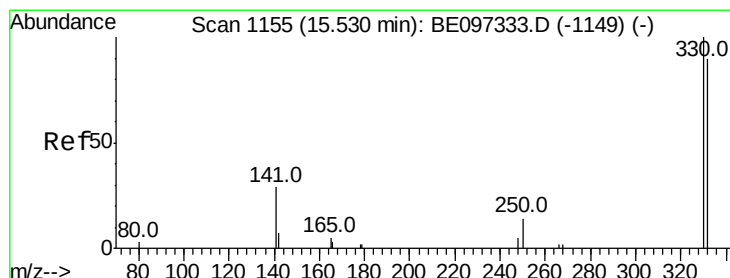
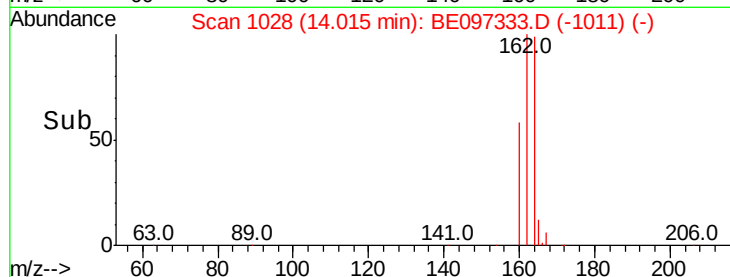
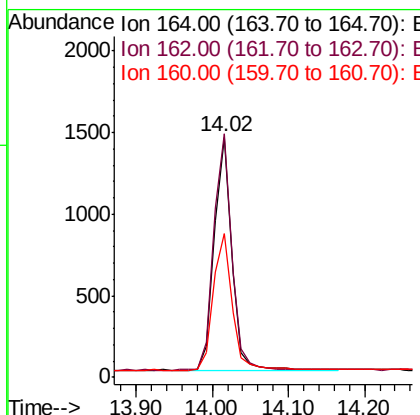
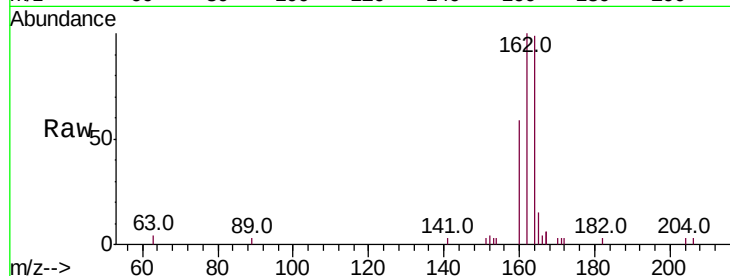




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.02 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

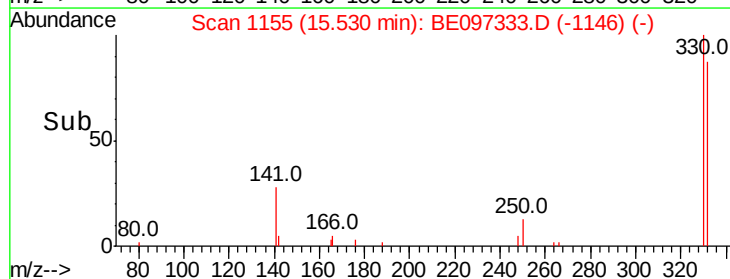
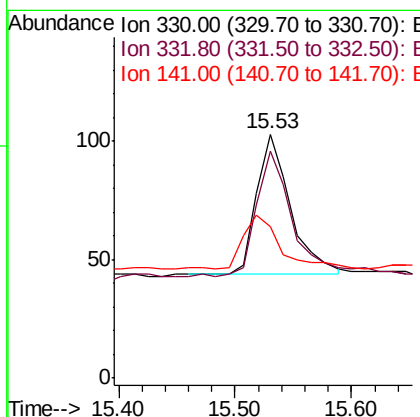
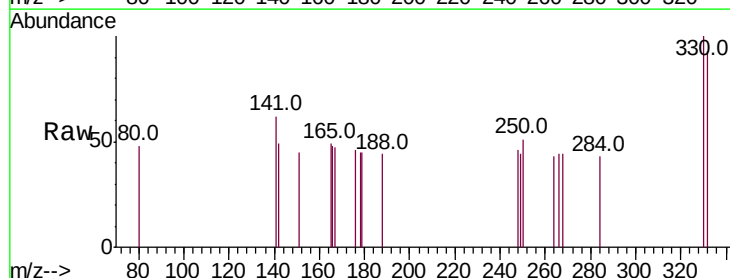
Instrument :
 BNA_E
 ClientSampleId :

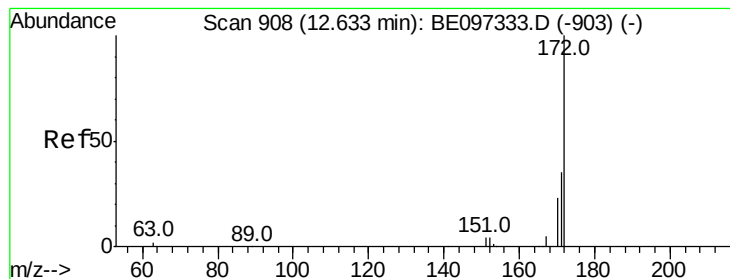
Tot Ion:164 Resp: 2289
 Ion Ratio Lower Upper
 164 100
 162 101.4 83.1 124.7
 160 59.9 37.1 55.7#



#14
 2,4,6-Tribromophenol
 Concen: 0.155 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

Tgt Ion:330 Resp: 119
 Ion Ratio Lower Upper
 330 100
 332 95.0 152.7 229.1#
 141 44.5 33.7 50.5

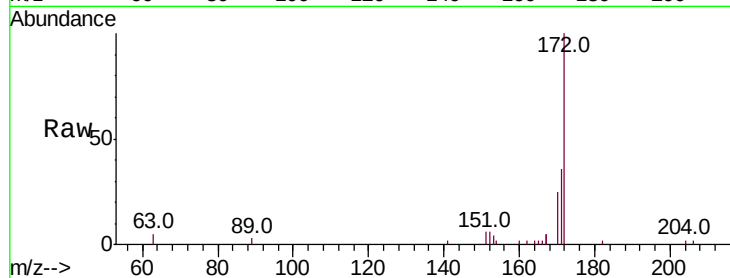




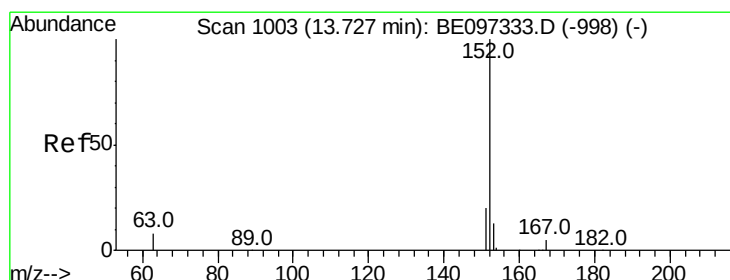
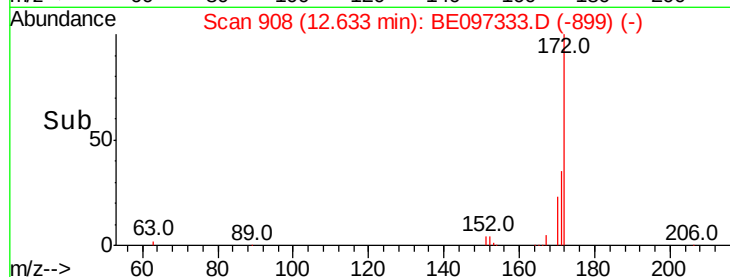
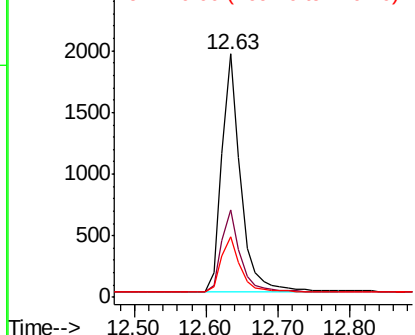
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 3528
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 24.9 21.8 32.8

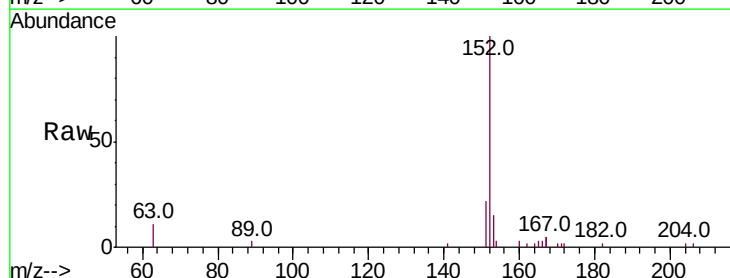


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

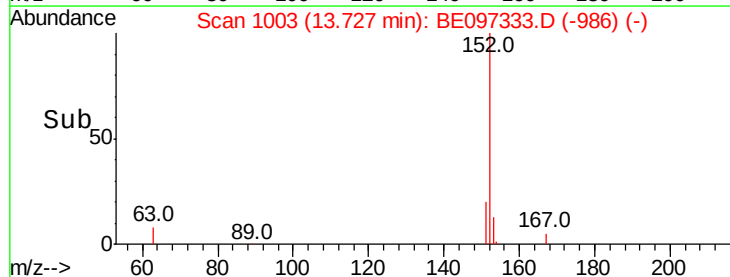
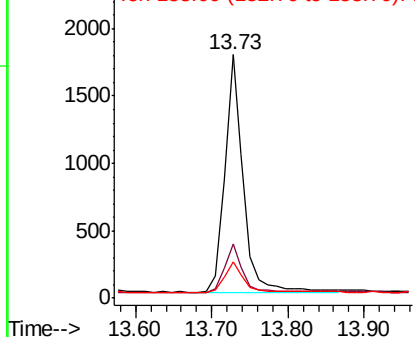


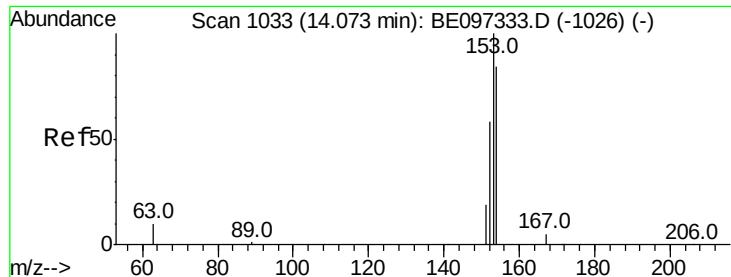
#16
Acenaphthylene
Concen: 0.284 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Tgt Ion:152 Resp: 2998
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.9 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.374 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

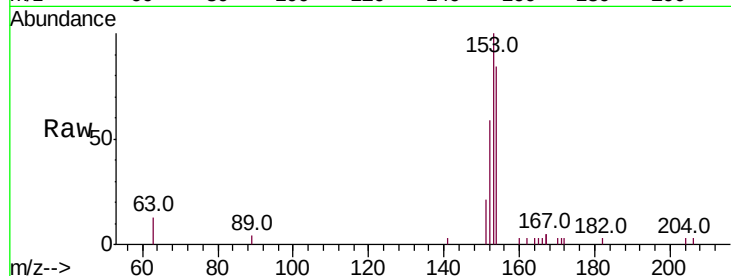
Tot Ion:154 Resp: 2269

Ion Ratio Lower Upper

154 100

153 118.1 89.2 133.8

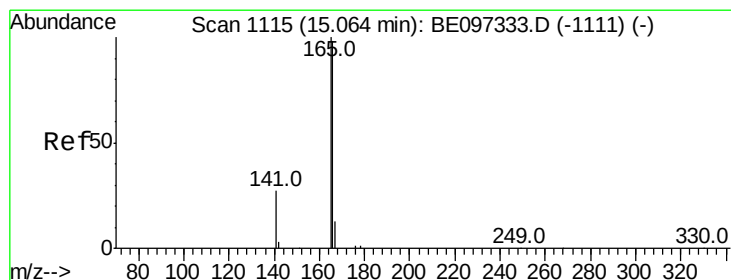
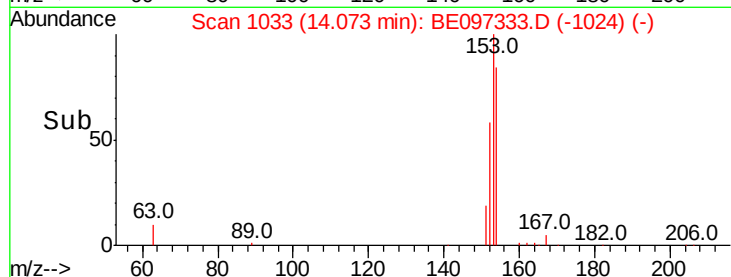
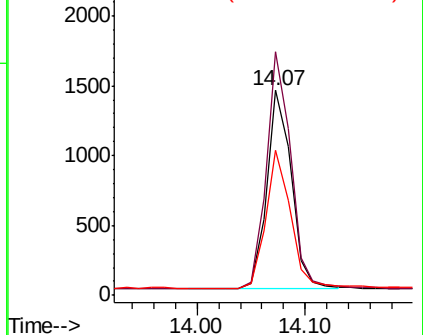
152 69.2 42.0 63.0#



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: 0.363 ng

RT: 15.06 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

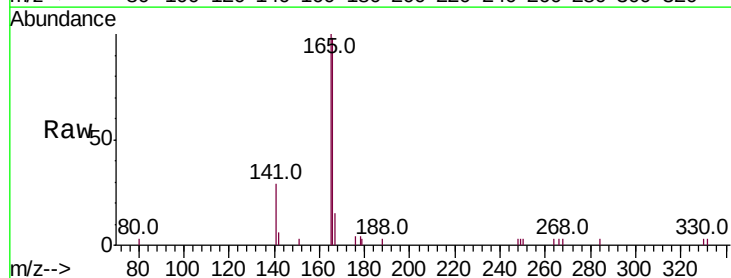
Tgt Ion:166 Resp: 2739

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

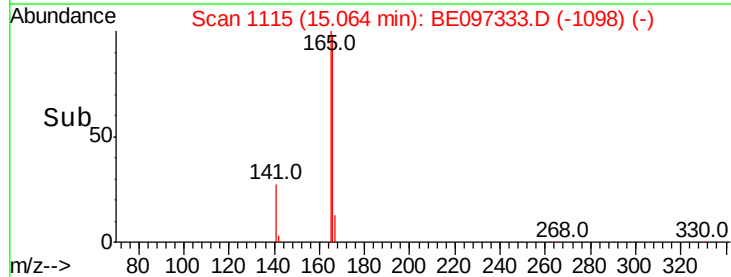
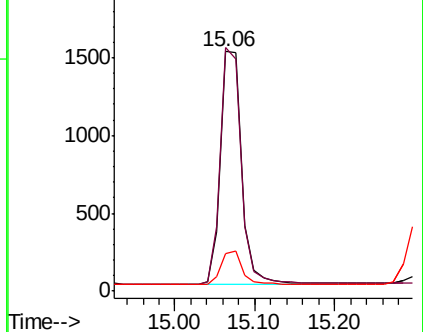
167 13.7 42.4 63.6#

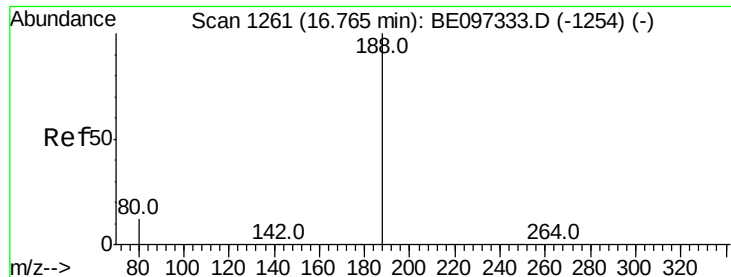


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

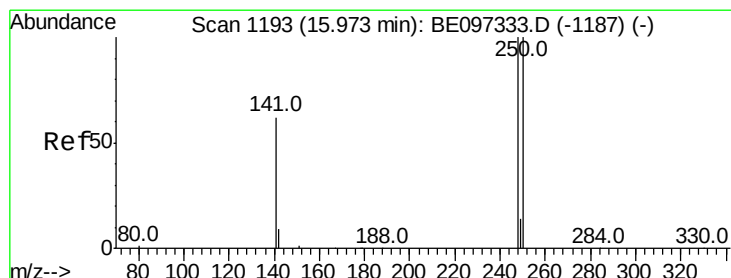
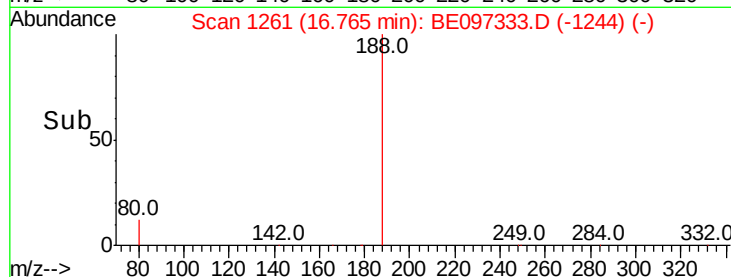
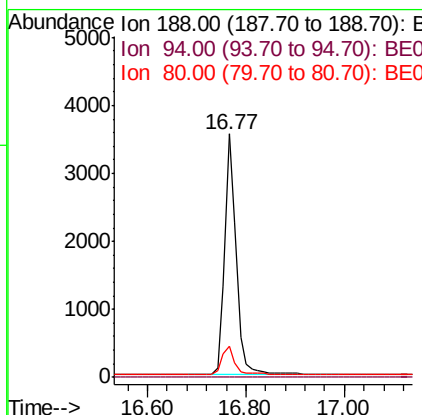
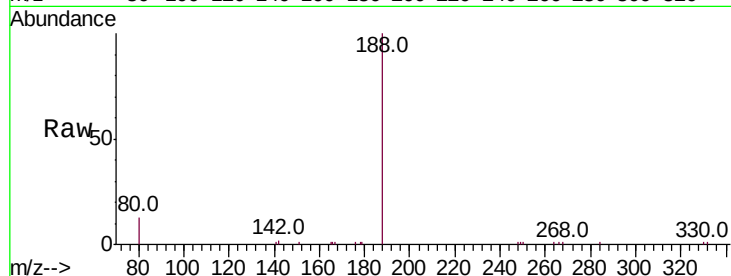




#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.77 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

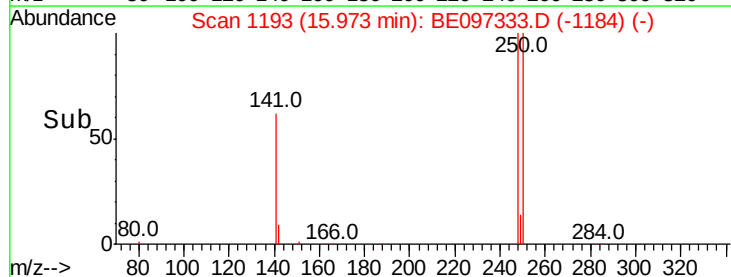
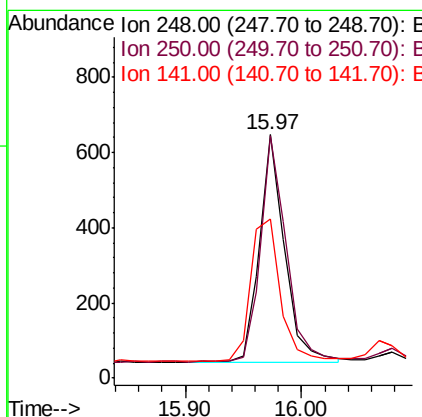
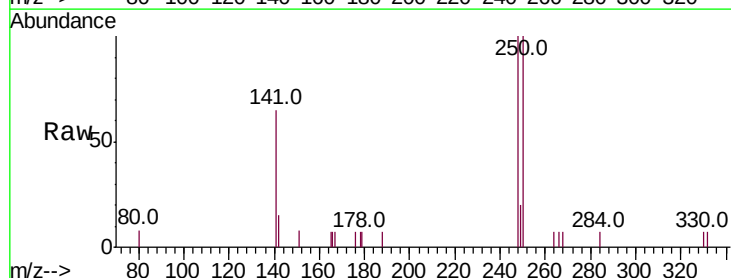
Instrument :
 BNA_E
 ClientSampleId :

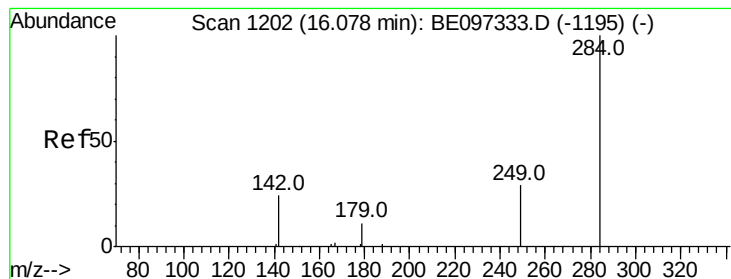
Tot Ion:188 Resp: 5728
 Ion Ratio Lower Upper
 188 100
 94 0.0 3.9 5.9#
 80 12.8 3.6 5.4#



#20
 4-Bromophenyl-phenylether
 Concen: 0.305 ng
 RT: 15.97 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

Tgt Ion:248 Resp: 912
 Ion Ratio Lower Upper
 248 100
 250 99.7 62.7 94.1#
 141 65.3 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

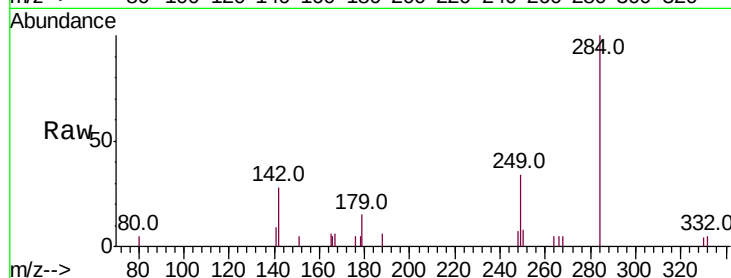
Tot Ion:284 Resp: 1325

Ion Ratio Lower Upper

284 100

142 32.9 22.1 33.1

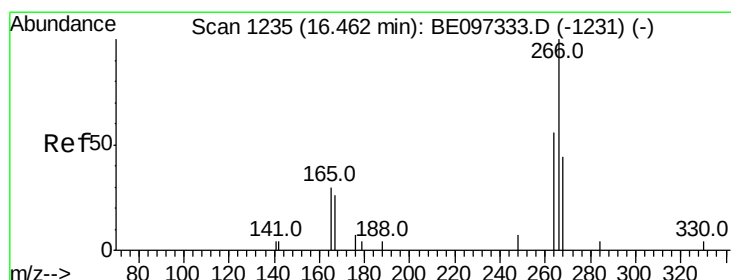
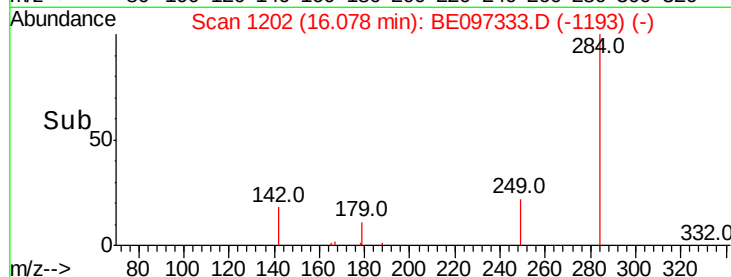
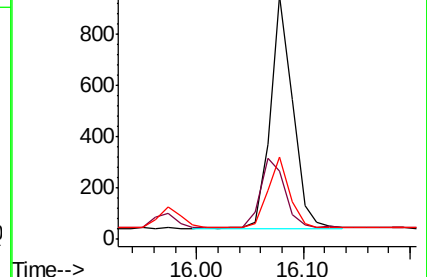
249 29.9 34.8 52.2#



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: 0.111 ng

RT: 16.46 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

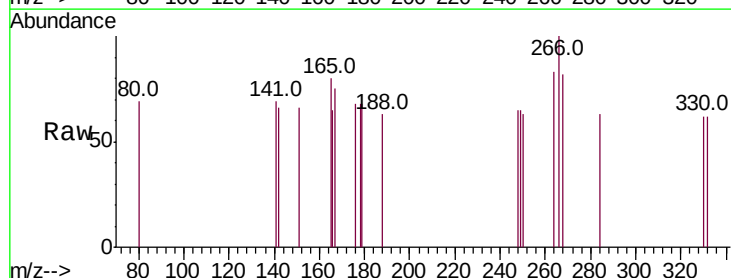
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 83.1 72.5 108.7

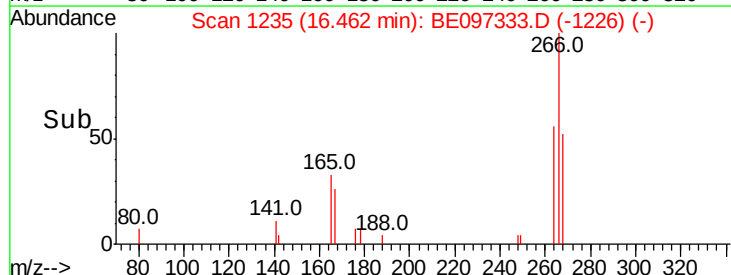
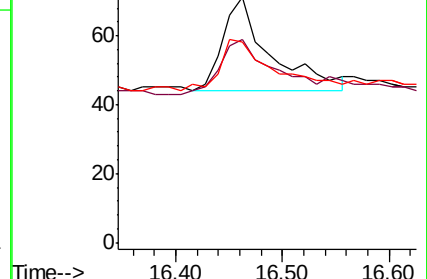
268 81.7 73.8 110.6

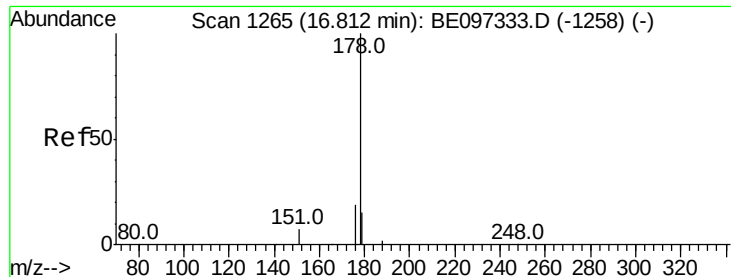


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.374 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

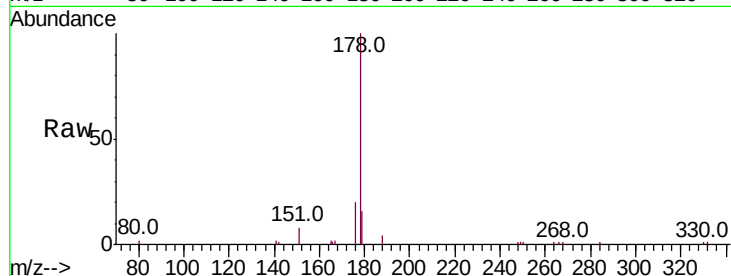
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 5177

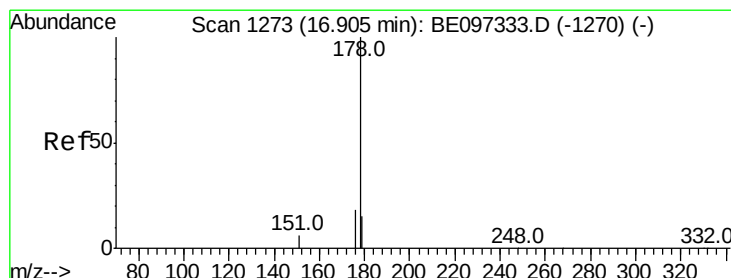
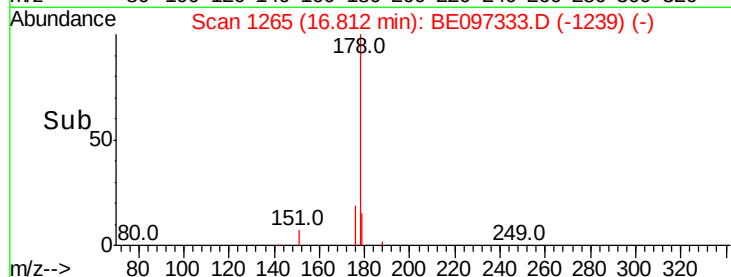
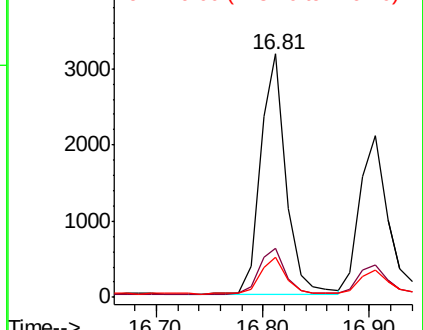
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.0	11.8	17.6



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: 0.302 ng

RT: 16.91 min Scan# 1273

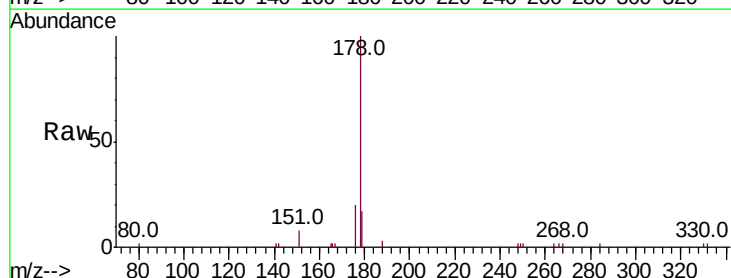
Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Tgt Ion:178 Resp: 3738

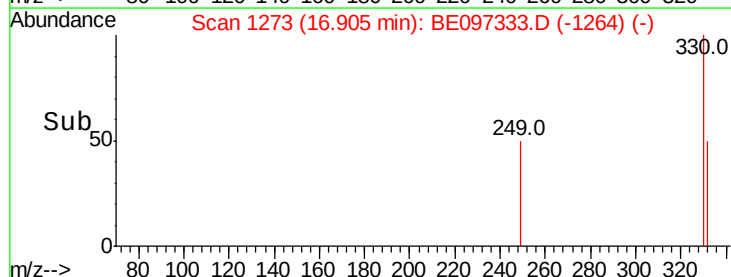
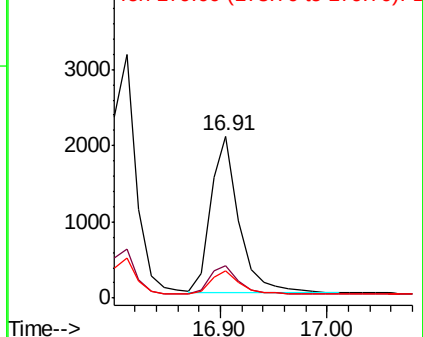
Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	15.1	13.0	19.6

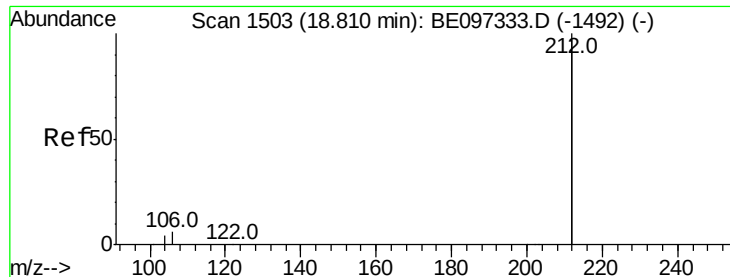


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.311 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampled :

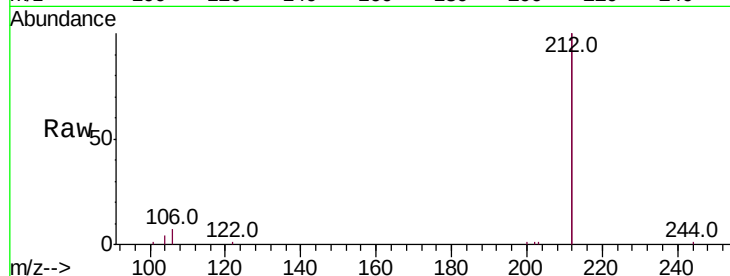
Tot Ion:212 Resp: 17801

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

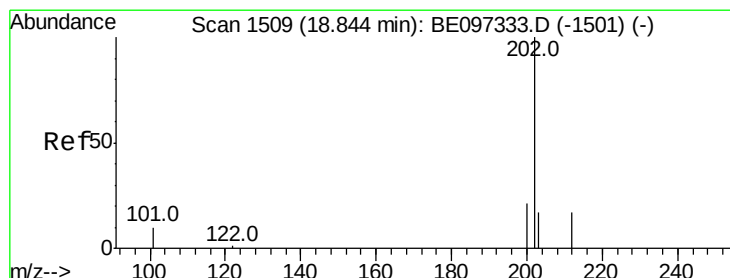
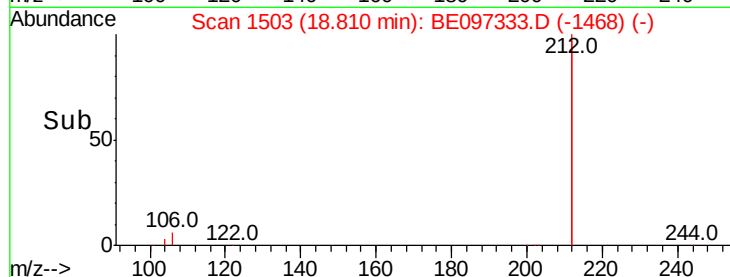
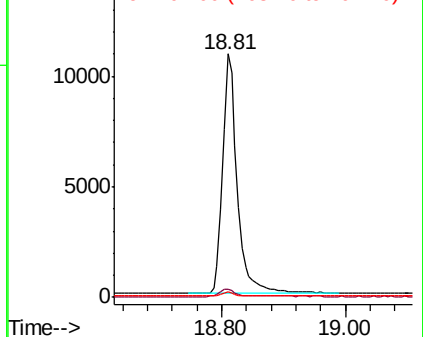
104 1.8 1.6 2.4



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: 0.326 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

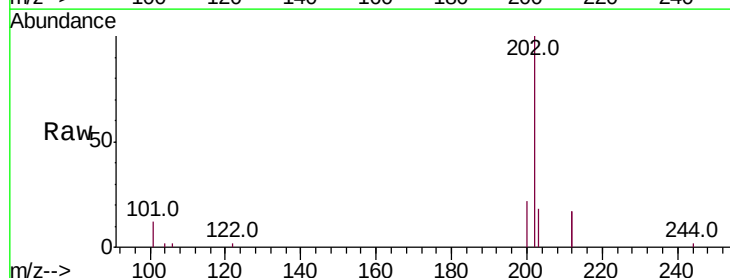
Tgt Ion:202 Resp: 4992

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

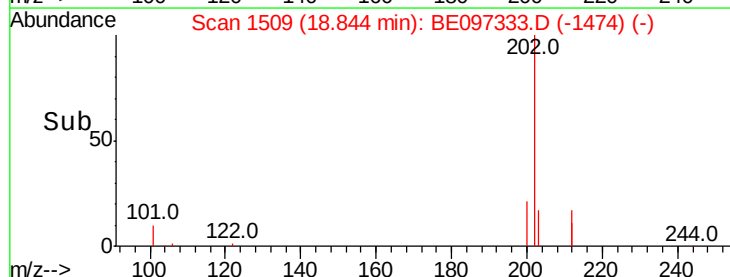
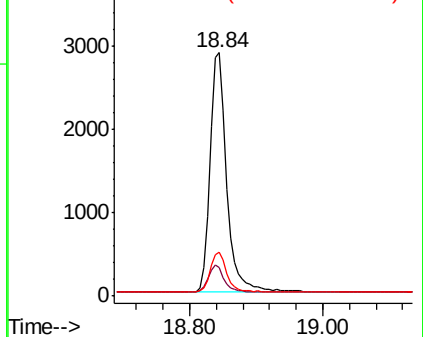
203 16.2 13.7 20.5

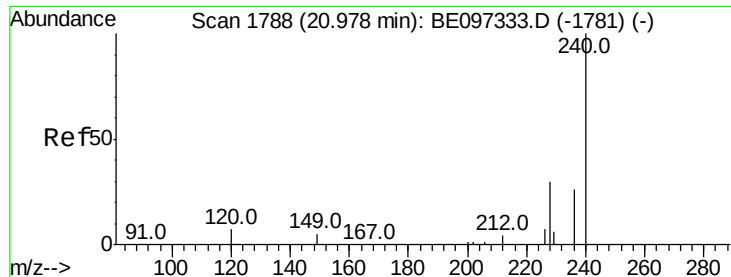


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

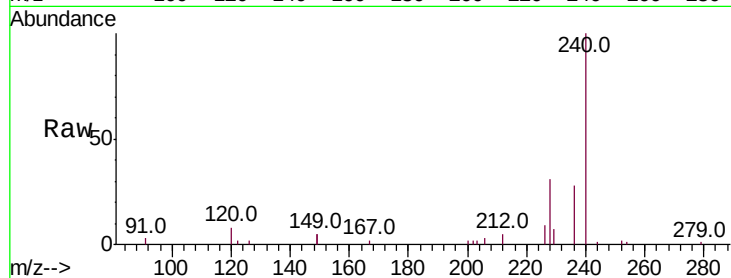
Tot Ion:240 Resp: 4606

Ion Ratio Lower Upper

240 100

120 8.4 5.5 8.3#

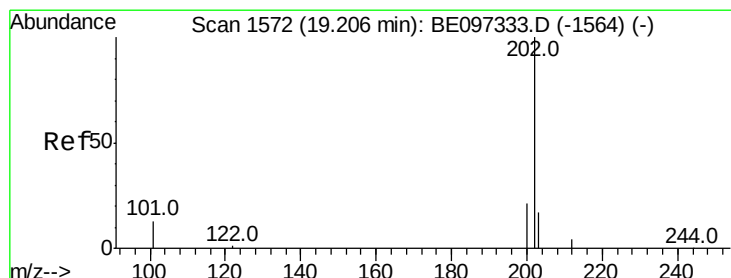
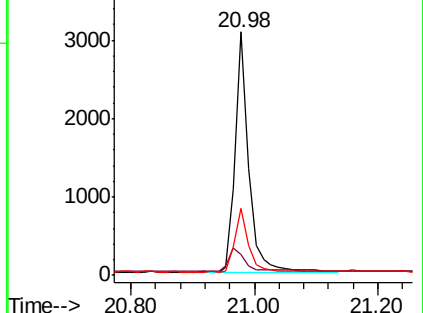
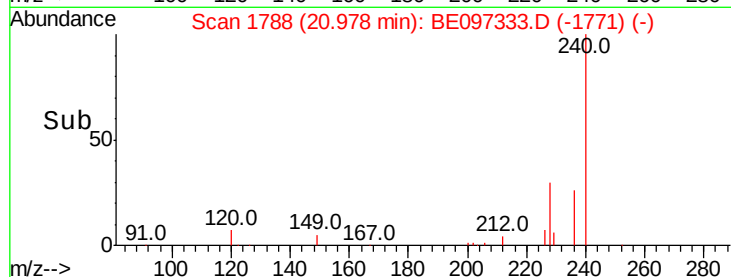
236 27.5 20.7 31.1



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: 0.373 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

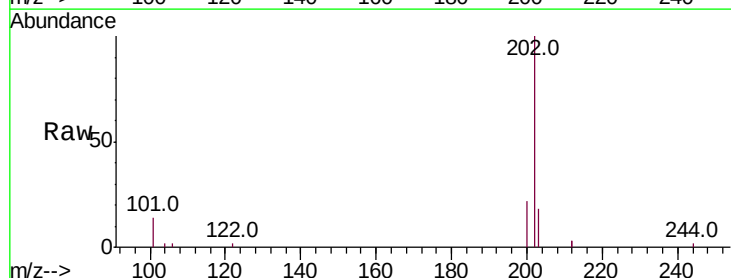
Tgt Ion:202 Resp: 4632

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

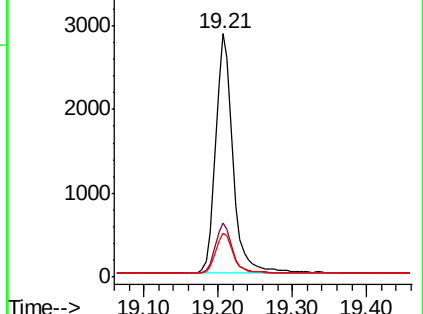
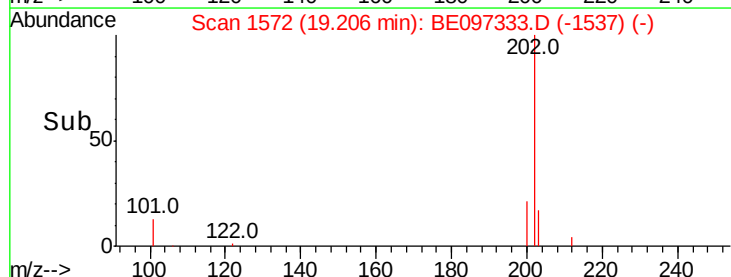
203 17.2 13.8 20.8

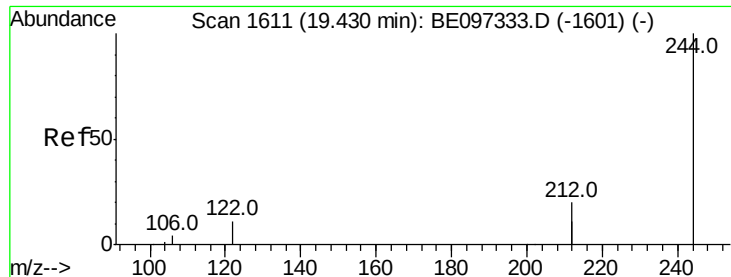


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

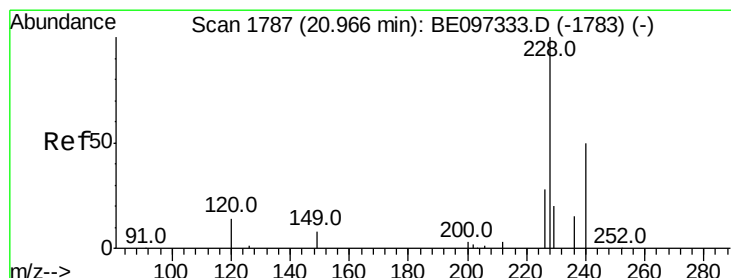
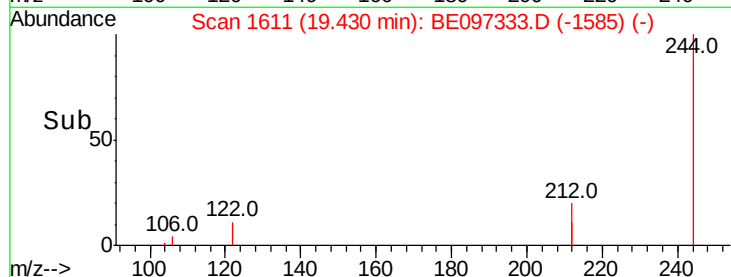
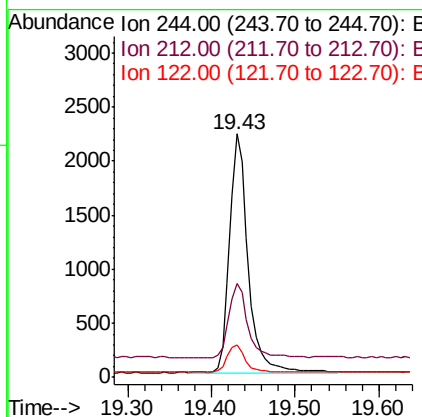
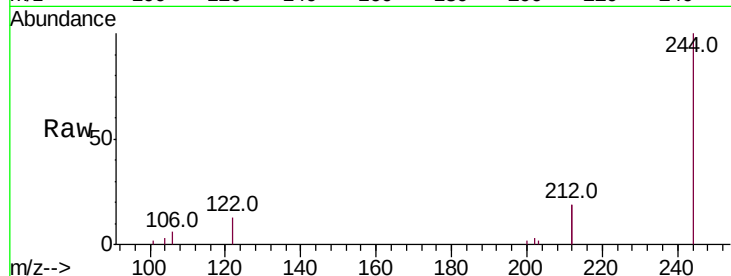




#29
 Terphenyl-d14
 Concen: 0.393 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

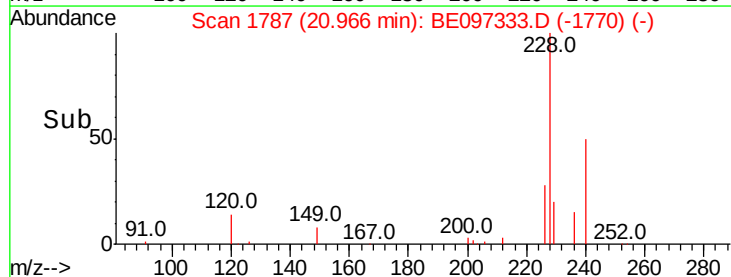
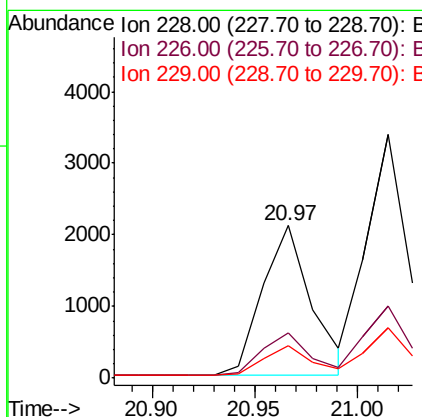
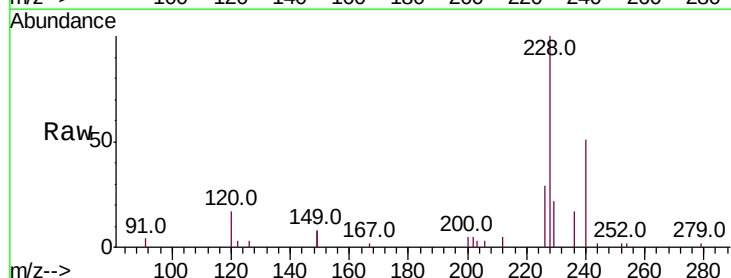
Instrument :
 BNA_E
 ClientSampleId :

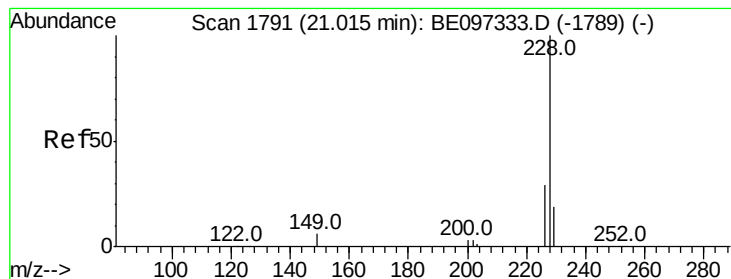
Tot Ion:244 Resp: 3403
 Ion Ratio Lower Upper
 244 100
 212 38.6 25.4 38.0#
 122 13.1 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.299 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

Tgt Ion:228 Resp: 3466
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.0 36.0
 229 21.6 16.0 24.0

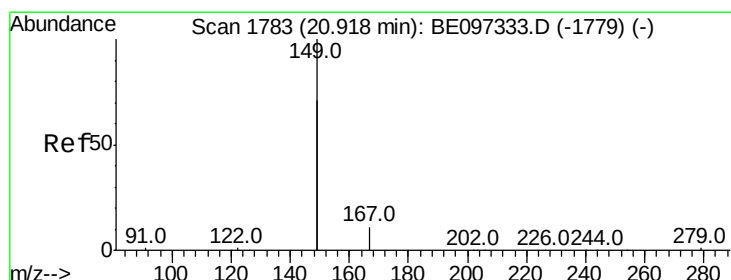
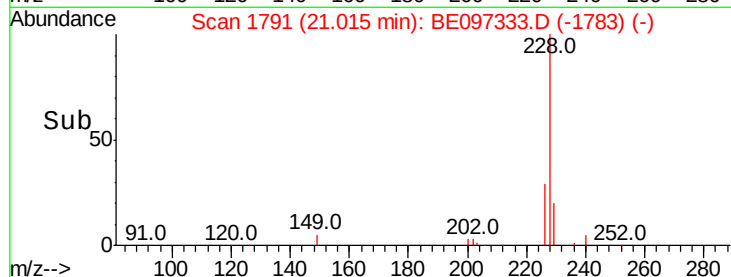
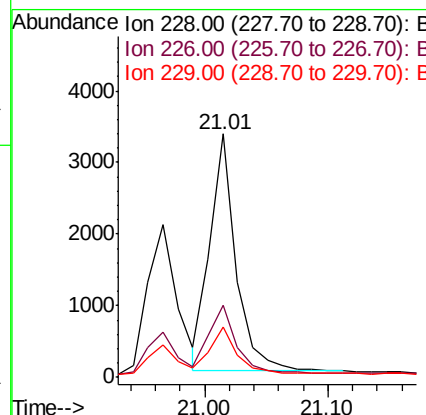
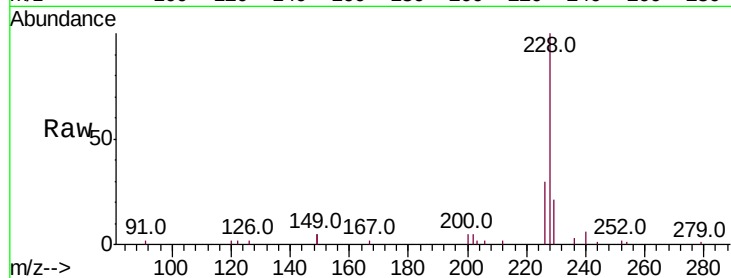




#31
 Chrysene
 Concen: 0.412 ng
 RT: 21.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

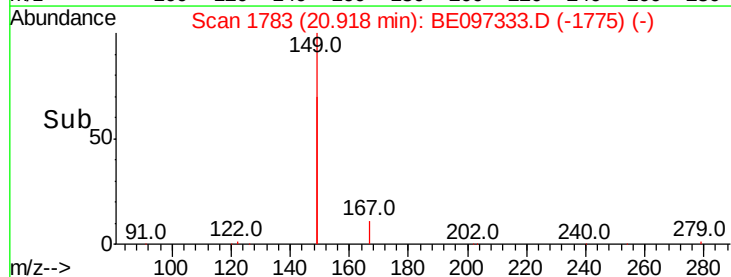
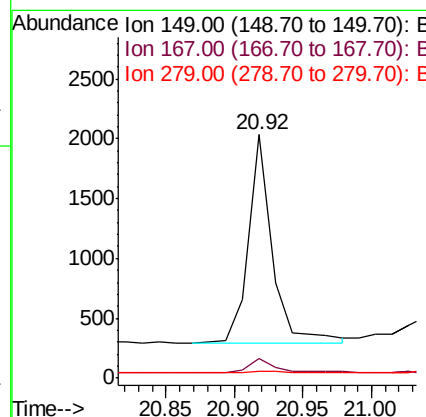
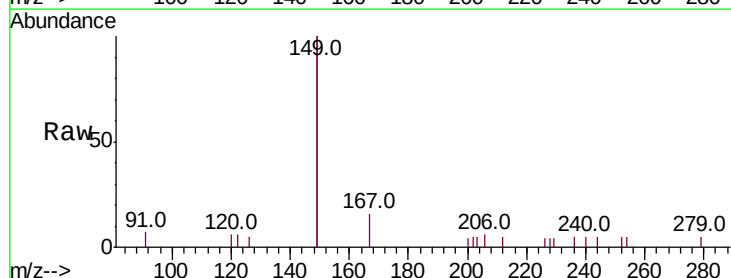
Instrument :
 BNA_E
 ClientSampled :

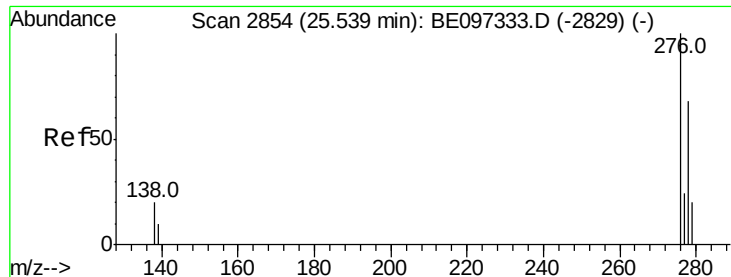
Tot Ion:228 Resp: 4882
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 20.8 16.0 24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.139 ng
 RT: 20.92 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE097333.D
 Acq: 20 Aug 2018 15:30

Tgt Ion:149 Resp: 2079
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.4 8.0
 279 0.8 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.231 ng

RT: 25.54 min Scan# 2854

Delta R.T. 0.00 min

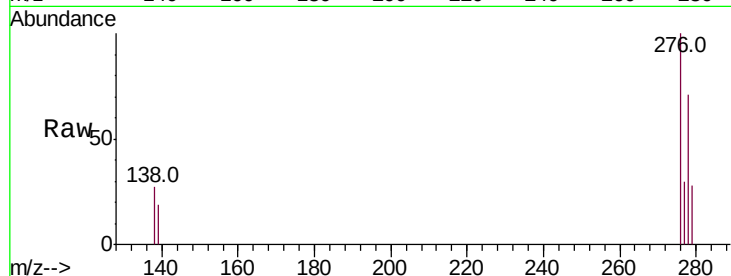
Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :



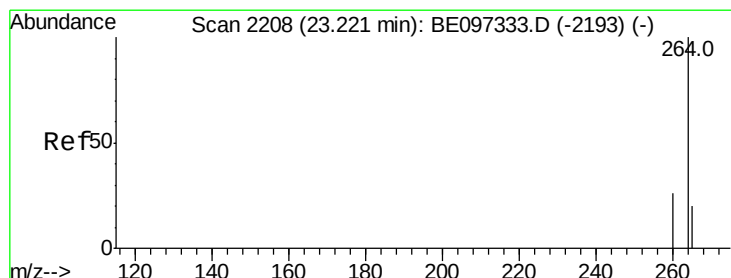
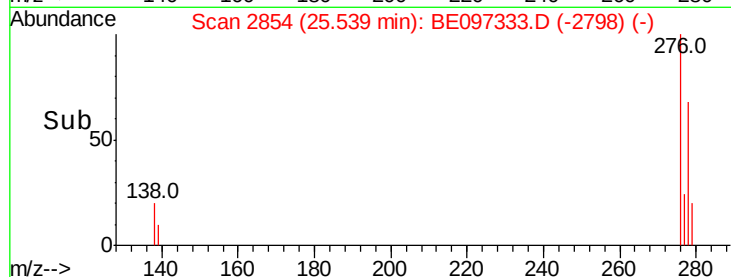
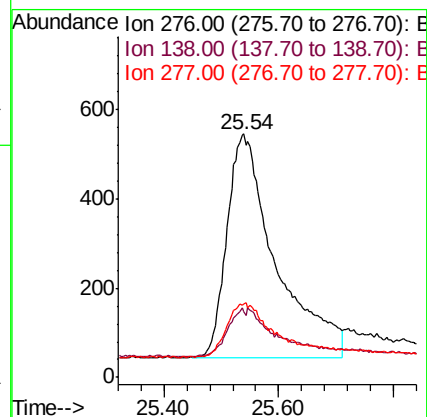
Tot Ion:276 Resp: 2945

Ion Ratio Lower Upper

276 100

138 7.7 22.5 33.7#

277 20.5 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

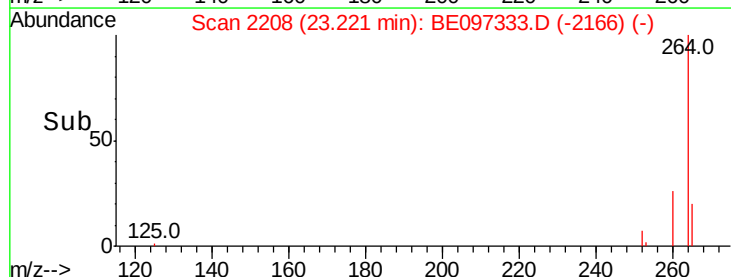
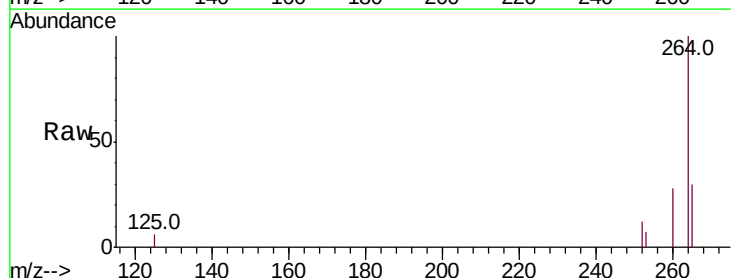
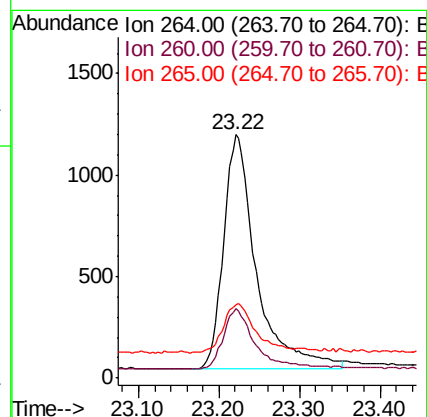
Tgt Ion:264 Resp: 3268

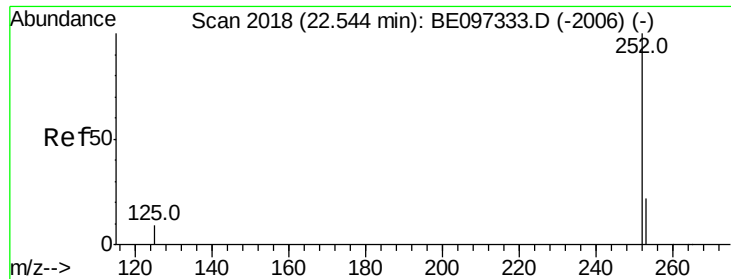
Ion Ratio Lower Upper

264 100

260 28.4 20.5 30.7

265 30.1 22.8 34.2

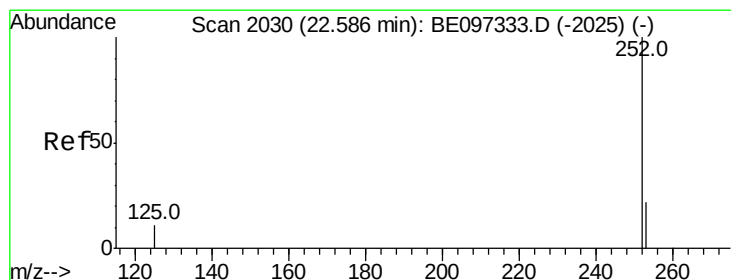
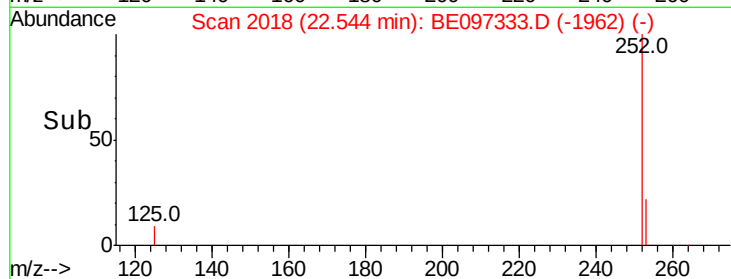
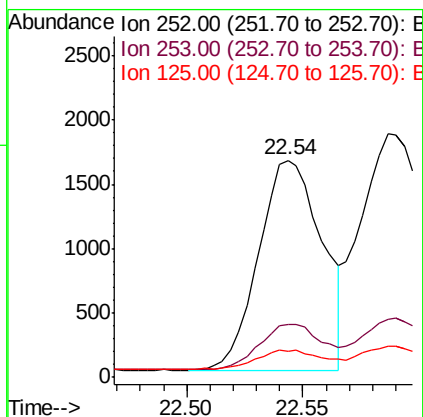
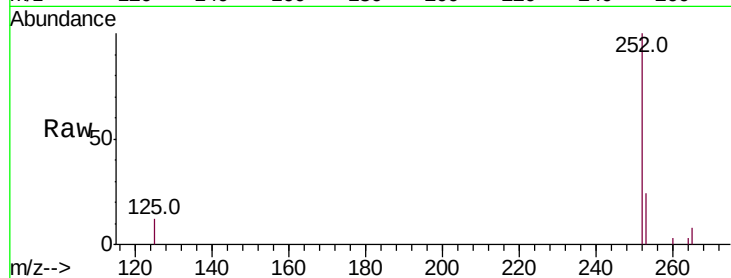




#35
Benzo(b)fluoranthene
Concen: 0.381 ng
RT: 22.54 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

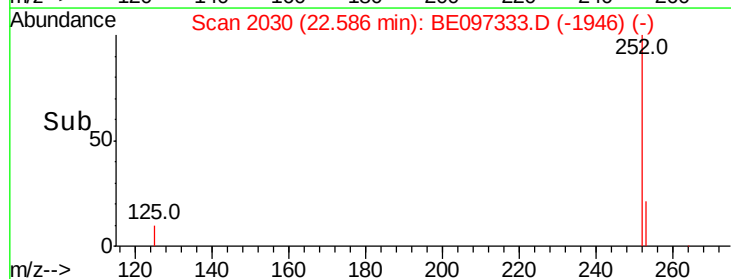
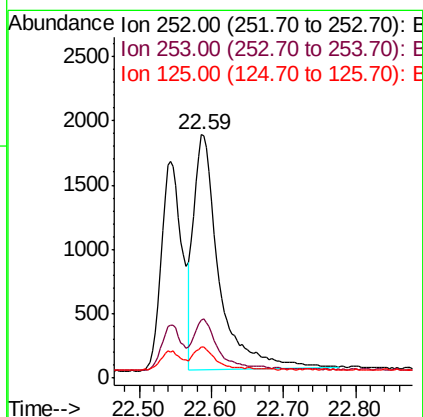
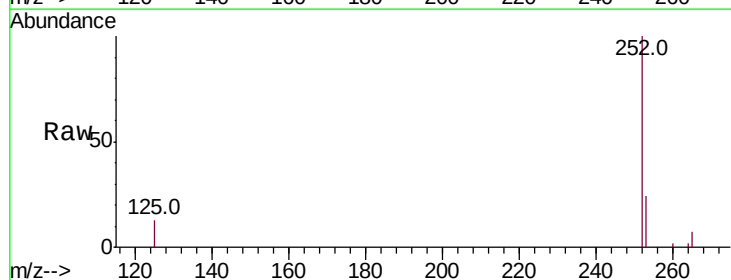
Instrument :
BNA_E
ClientSampleId :

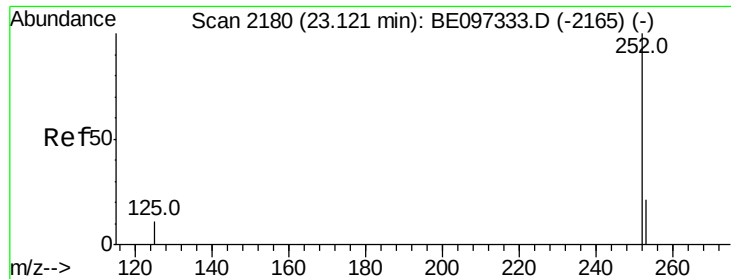
Tot Ion:252 Resp: 3093
Ion Ratio Lower Upper
252 100
253 24.4 20.0 30.0
125 12.2 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.451 ng
RT: 22.59 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BE097333.D
Acq: 20 Aug 2018 15:30

Tgt Ion:252 Resp: 4458
Ion Ratio Lower Upper
252 100
253 24.0 16.0 24.0#
125 12.6 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.347 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

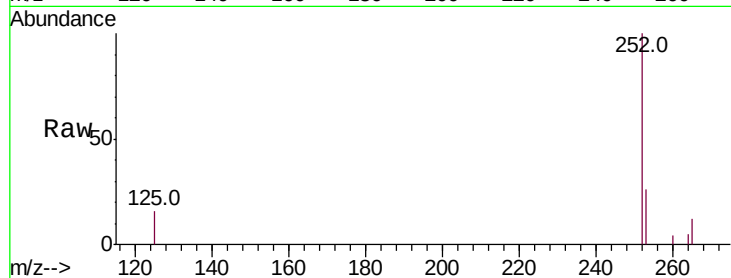
Tot Ion:252 Resp: 2832

Ion Ratio Lower Upper

252 100

253 26.2 16.0 24.0#

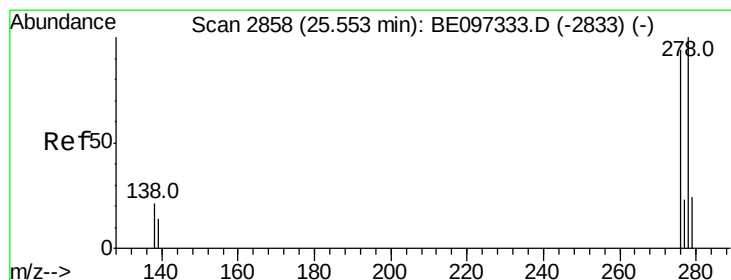
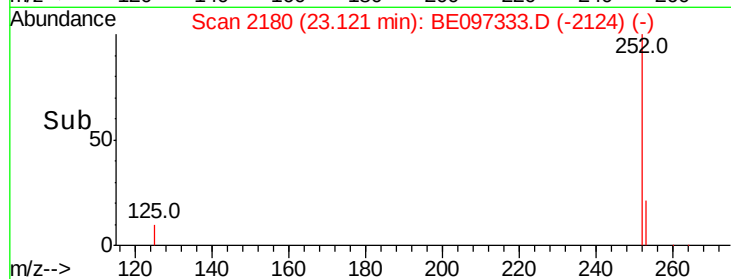
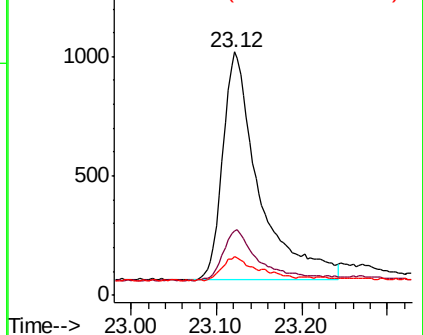
125 16.1 12.0 18.0



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: 0.291 ng

RT: 25.55 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

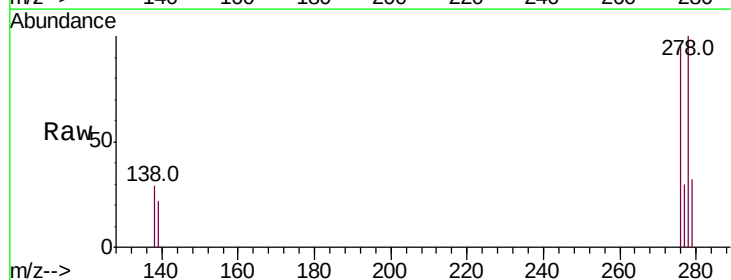
Tgt Ion:278 Resp: 2342

Ion Ratio Lower Upper

278 100

139 22.0 16.0 24.0

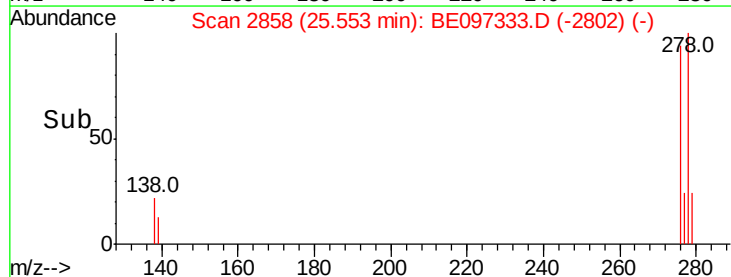
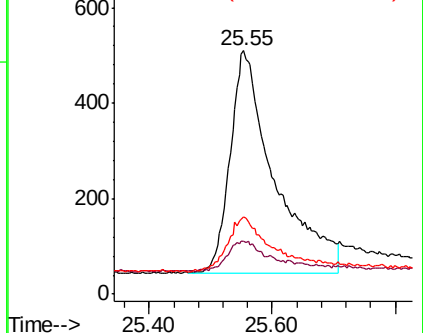
279 31.8 20.0 30.0#

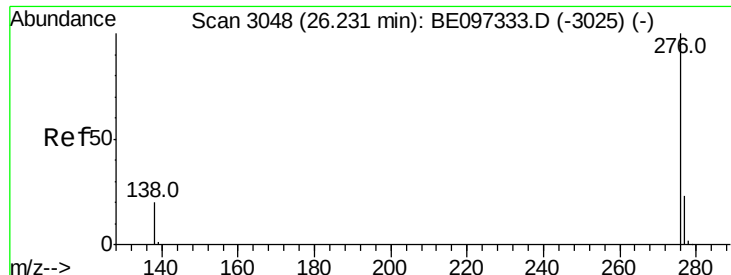


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.298 ng

RT: 26.23 min Scan# 3048

Delta R.T. 0.00 min

Lab File: BE097333.D

Acq: 20 Aug 2018 15:30

Instrument :

BNA_E

ClientSampleId :

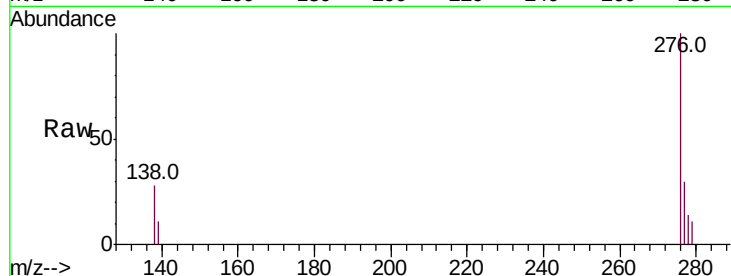
Tot Ion:276 Resp: 2421

Ion Ratio Lower Upper

276 100

277 30.4 16.0 24.0#

138 27.6 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

