

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097334.D
 Acq On : 20 Aug 2018 16:06
 Operator : SJ/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 20 16:49:52 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	972	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	5026	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2660	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	6138	0.40	ng	0.00
27) Chrysene-d12	20.98	240	6037	0.40	ng	0.00
34) Perylene-d12	23.21	264	3986	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	3543	1.11	ng	0.00
5) Phenol-d6	6.60	99	5616	1.23	ng	0.00
8) Nitrobenzene-d5	8.52	82	3969	0.86	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	11238	1.54	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	978	1.10	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	16574	1.66	ng	-0.01
25) Fluoranthene-d10	18.80	212	95151	1.55	ng	0.00
29) Terphenyl-d14	19.42	244	18922	1.67	ng	0.00

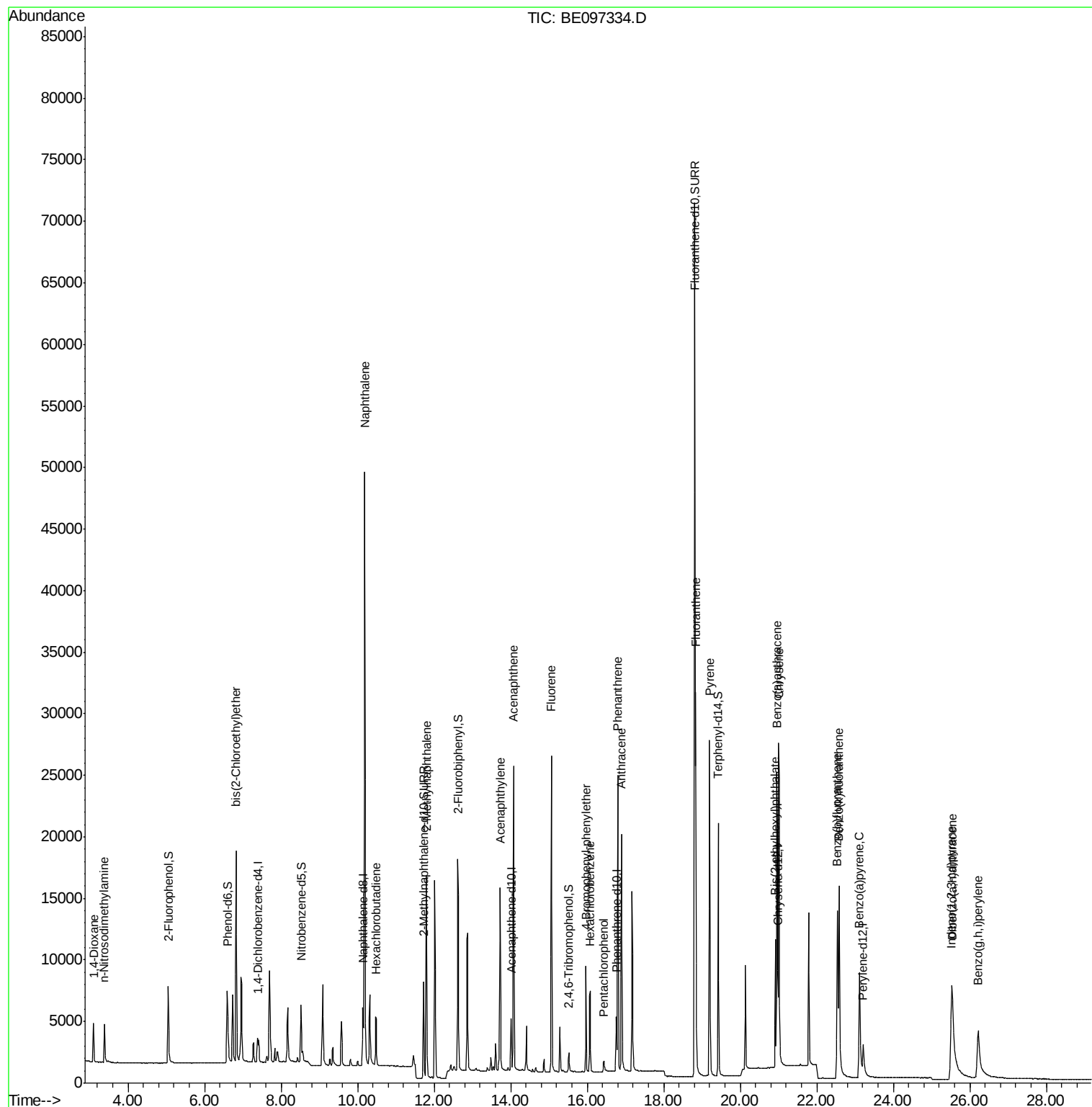
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	2181	1.997	ng	# 85
3) n-Nitrosodimethylamine	3.37	42	2329	1.839	ng	# 83
6) bis(2-Chloroethyl)ether	6.83	93	5521	1.518	ng	99
9) Naphthalene	10.18	128	73187	1.558	ng	99
10) Hexachlorobutadiene	10.48	225	3114	1.467	ng	97
12) 2-Methylnaphthalene	11.80	142	11871	1.543	ng	99
16) Acenaphthylene	13.73	152	17033	1.387	ng	100
17) Acenaphthene	14.07	154	11547	1.636	ng	# 93
18) Fluorene	15.06	166	14228	1.624	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	4884	1.523	ng	# 70
21) Hexachlorobenzene	16.08	284	5879	1.616	ng	# 83
22) Pentachlorophenol	16.44	266	699	0.864	ng	# 79
23) Phenanthrene	16.80	178	24545	1.657	ng	99
24) Anthracene	16.89	178	20696	1.559	ng	96
26) Fluoranthene	18.83	202	27254	1.663	ng	98
28) Pyrene	19.20	202	25756	1.582	ng	100
30) Benzo(a)anthracene	20.95	228	21475	1.414	ng	98
31) Chrysene	21.00	228	27491	1.769	ng	97
32) Bis(2-ethylhexyl)phthalate	20.92	149	11208	0.571	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	17498	1.045	ng	# 90
35) Benzo(b)fluoranthene	22.54	252	17969	1.813	ng	# 87
36) Benzo(k)fluoranthene	22.58	252	25738	2.135	ng	97
37) Benzo(a)pyrene	23.12	252	17095	1.717	ng	# 93
38) Dibenzo(a,h)anthracene	25.54	278	14589	1.485	ng	# 95
39) Benzo(g,h,i)perylene	26.22	276	14254	1.438	ng	# 89

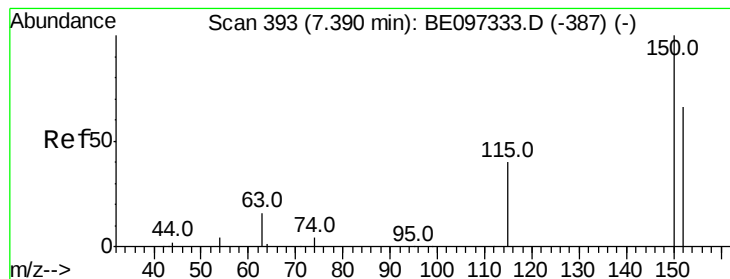
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. 0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :
BNA_E
ClientSampled :

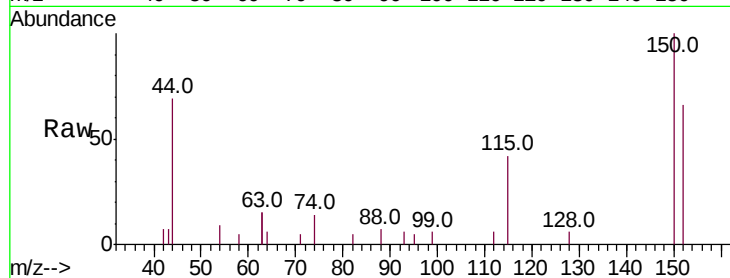
Tot Ion:152 Resp: 972

Ion Ratio Lower Upper

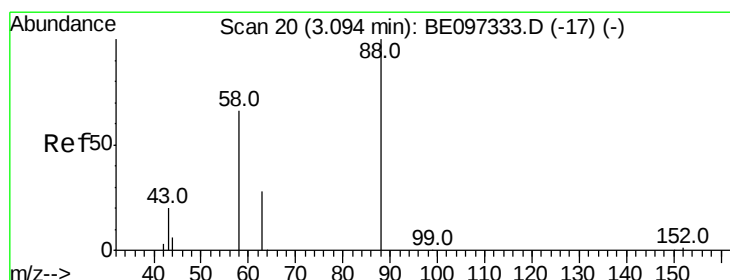
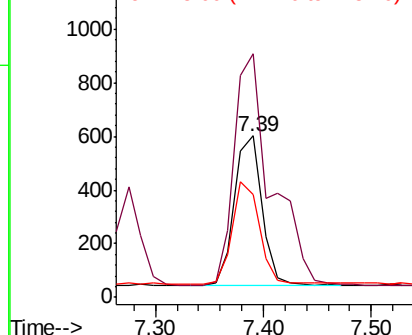
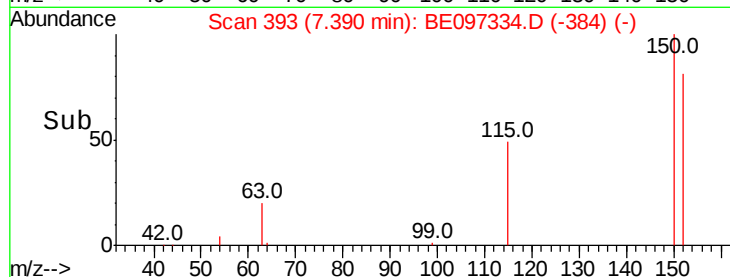
152 100

150 151.1 117.2 175.8

115 63.9 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: 1.997 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

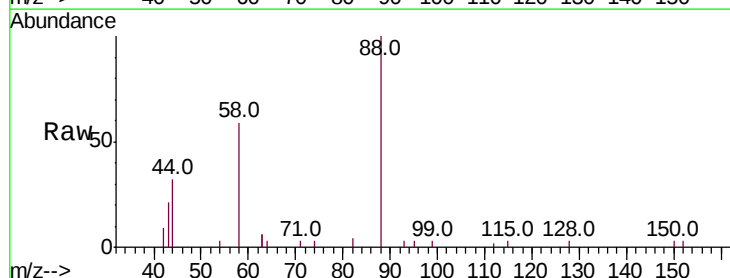
Tgt Ion: 88 Resp: 2181

Ion Ratio Lower Upper

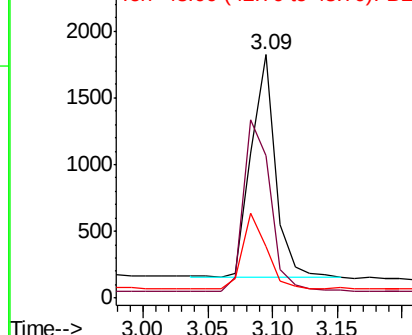
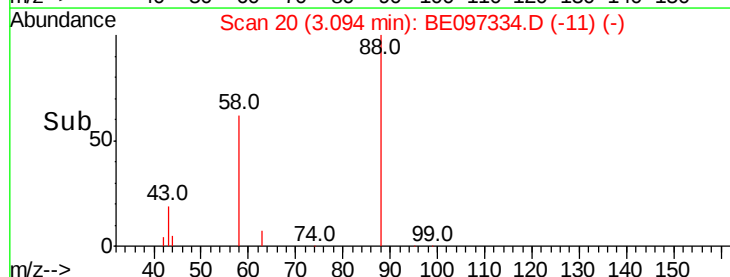
88 100

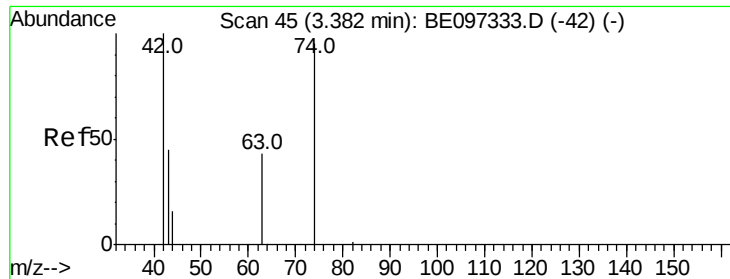
58 85.2 63.2 94.8

43 32.6 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: 1.839 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

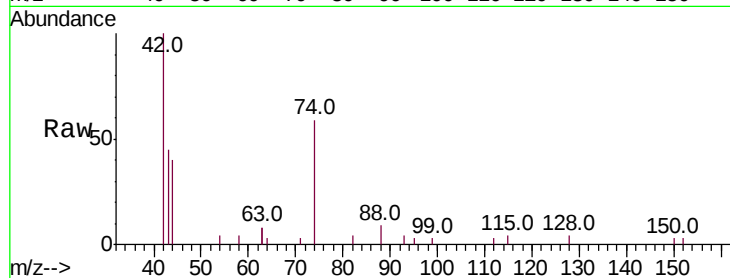
Tot Ion: 42 Resp: 2329

Ion Ratio Lower Upper

42 100

74 100.3 96.0 144.0

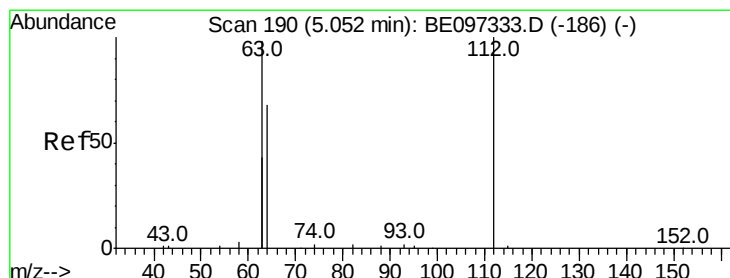
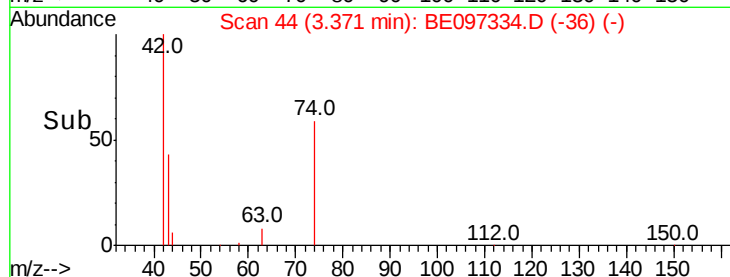
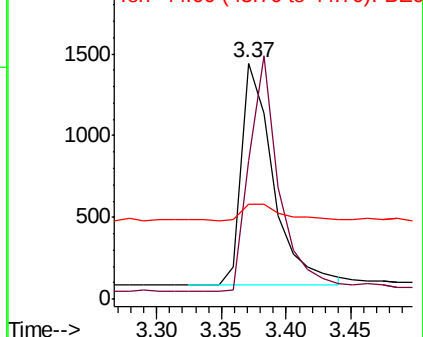
44 8.7 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

2000 Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 1.109 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

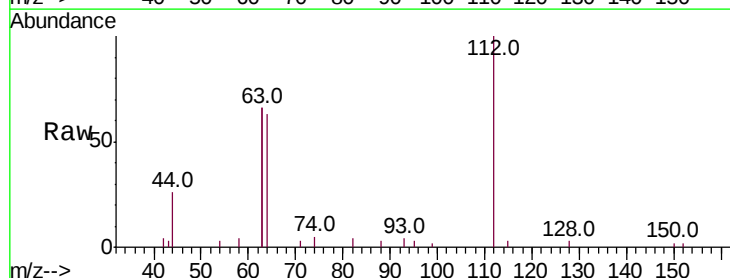
Tgt Ion: 112 Resp: 3543

Ion Ratio Lower Upper

112 100

64 69.3 60.1 90.1

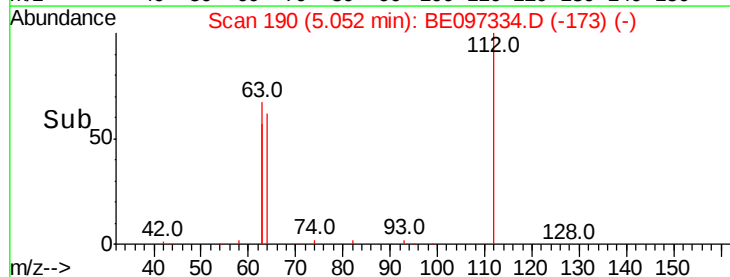
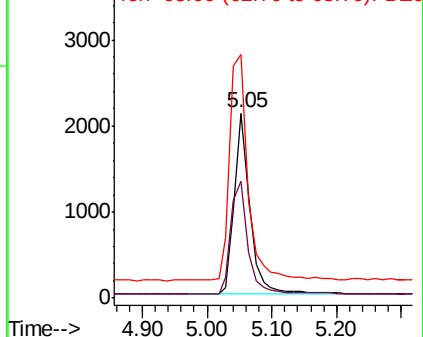
63 146.0 116.8 175.2

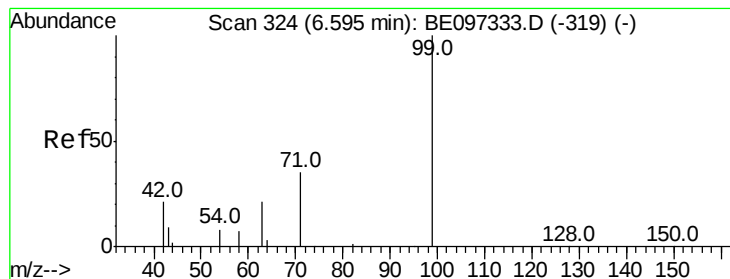


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.230 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

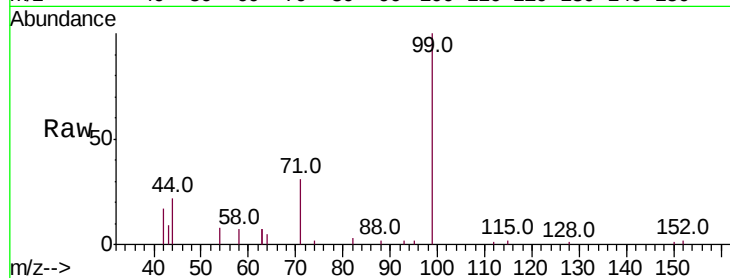
Tot Ion: 99 Resp: 5616

Ion Ratio Lower Upper

99 100

42 23.2 20.2 30.2

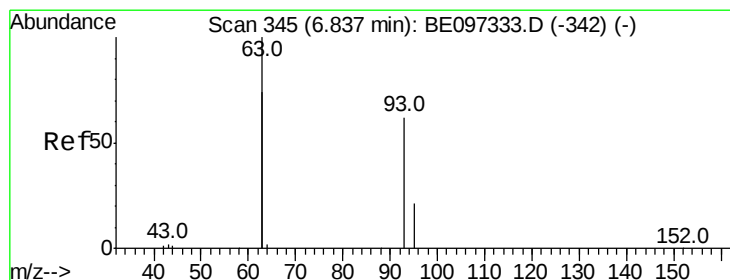
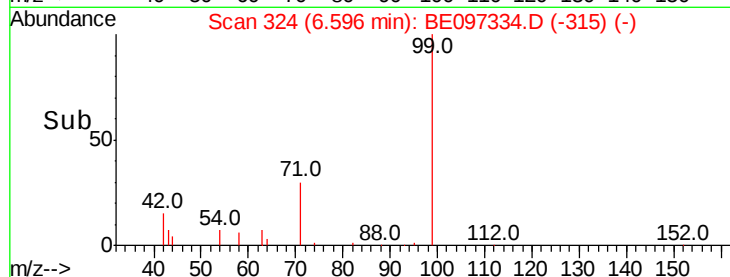
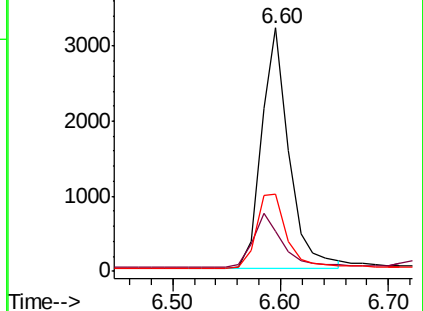
71 34.3 28.4 42.6



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: 1.518 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

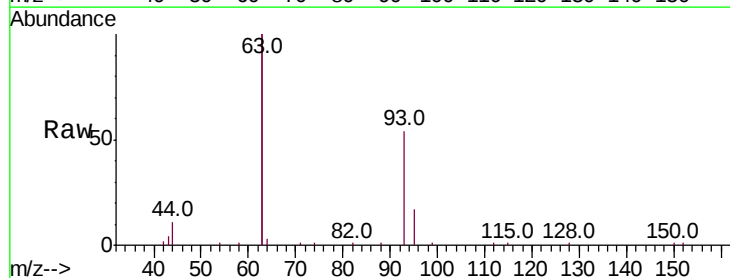
Tgt Ion: 93 Resp: 5521

Ion Ratio Lower Upper

93 100

63 341.5 275.3 412.9

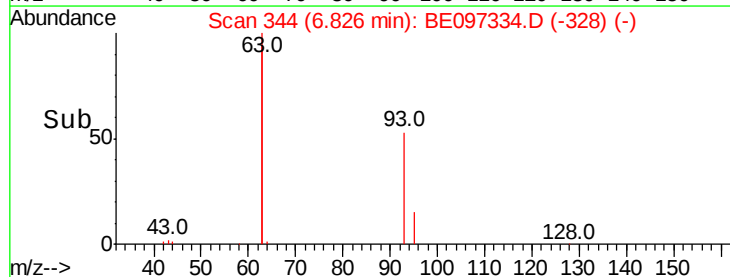
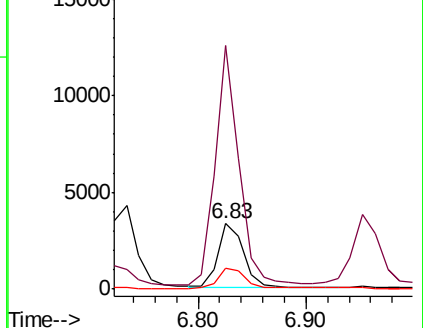
95 31.7 25.2 37.8

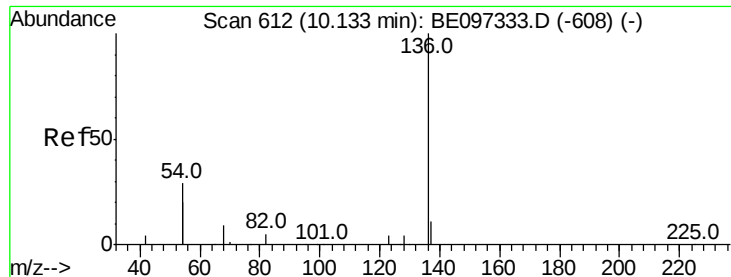


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5026

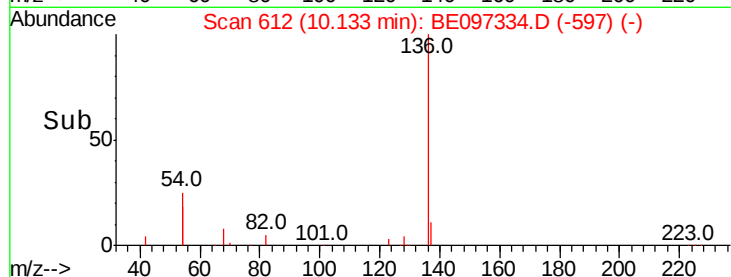
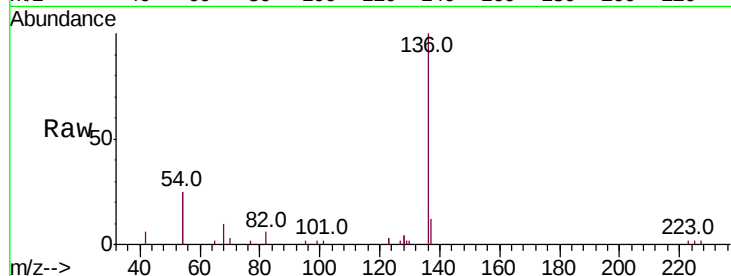
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 49.5 29.1 43.7#

68 9.5 6.2 9.2#

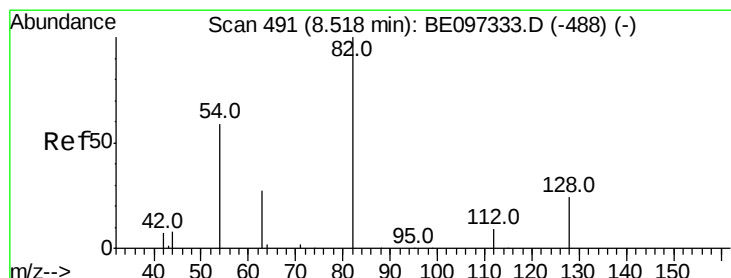
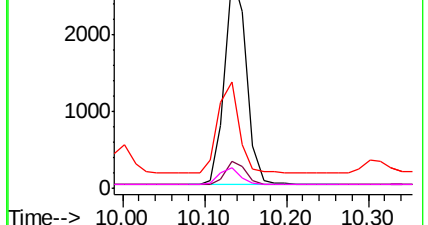


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.862 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

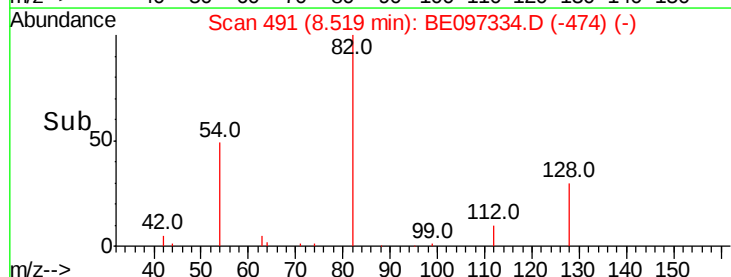
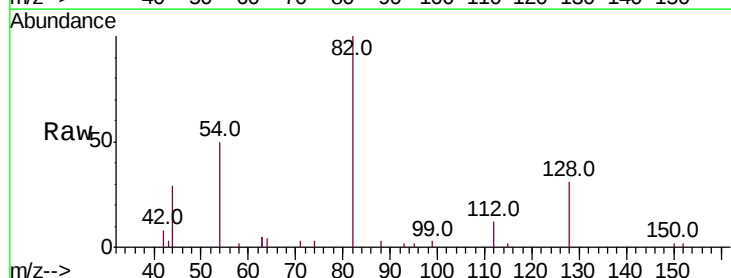
Tgt Ion: 82 Resp: 3969

Ion Ratio Lower Upper

82 100

128 31.2 24.0 36.0

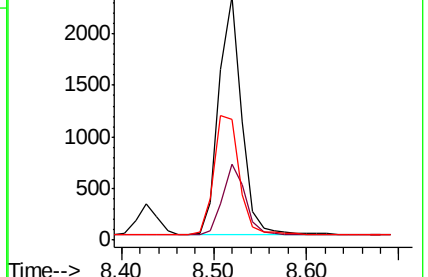
54 49.8 40.0 60.0

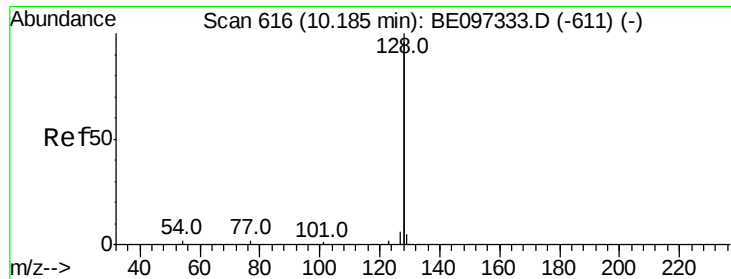


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.558 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

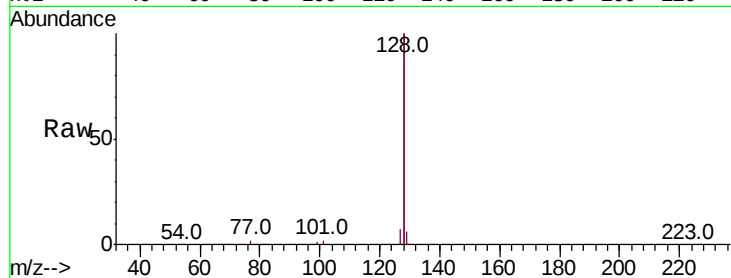
Tot Ion:128 Resp: 73187

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

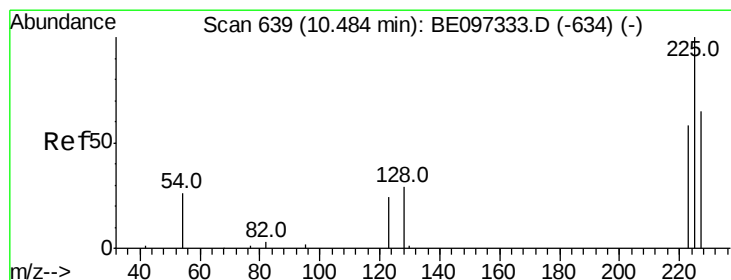
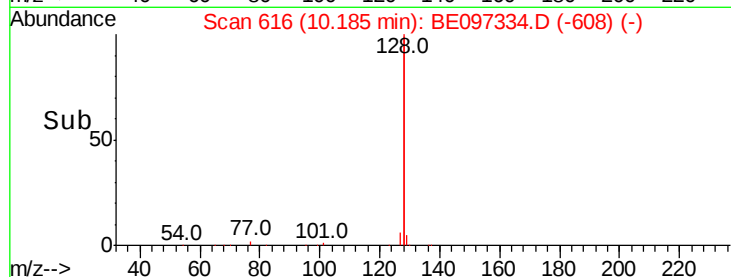
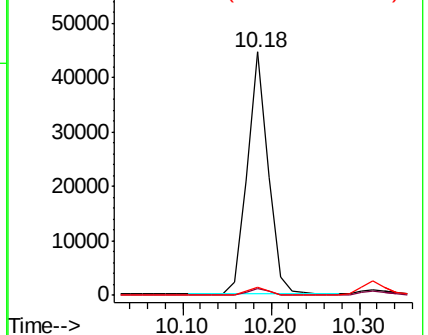
127 3.3 2.8 4.2



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: 1.467 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

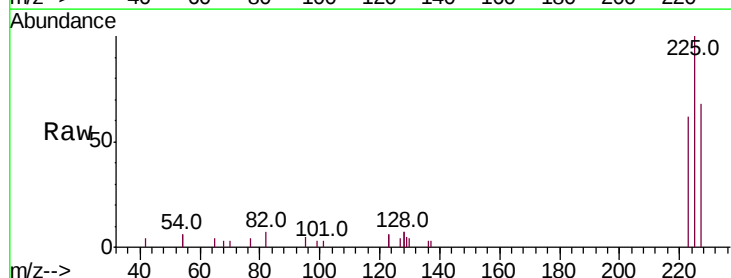
Tgt Ion:225 Resp: 3114

Ion Ratio Lower Upper

225 100

223 63.1 53.0 79.6

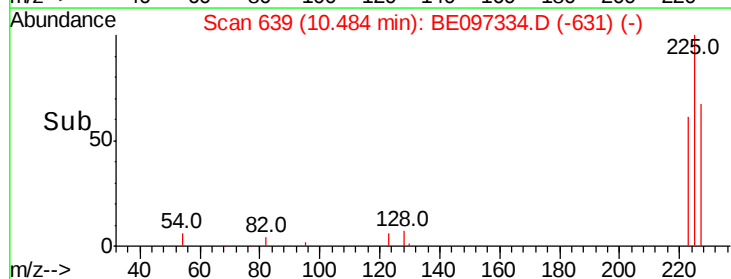
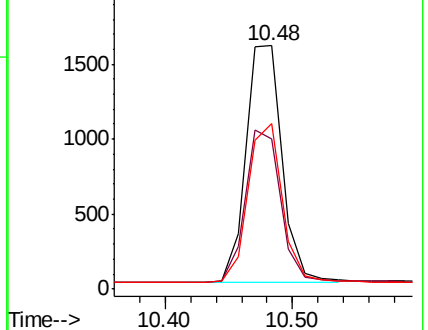
227 63.4 51.4 77.2

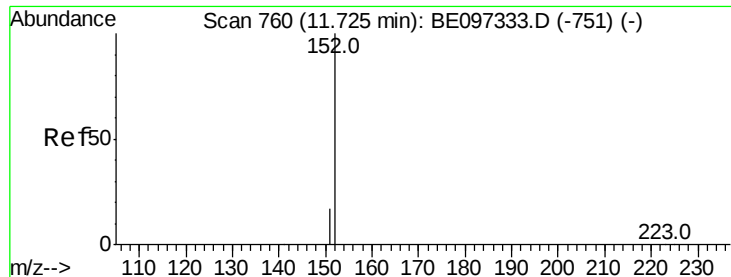


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

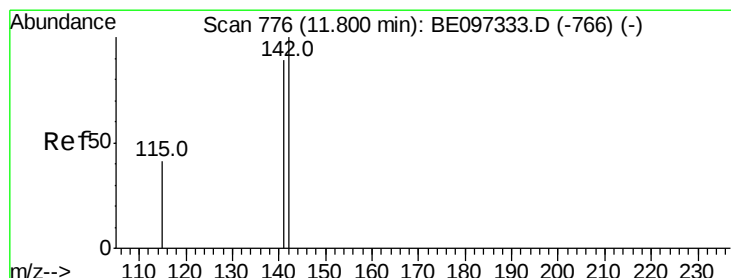
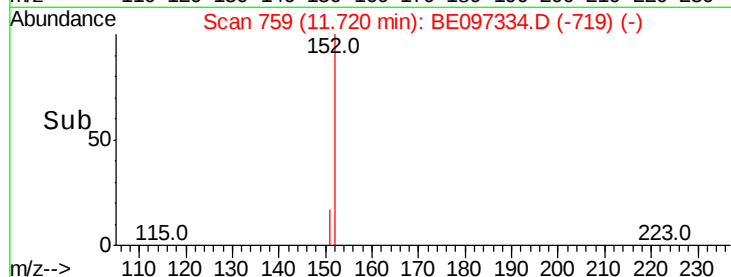
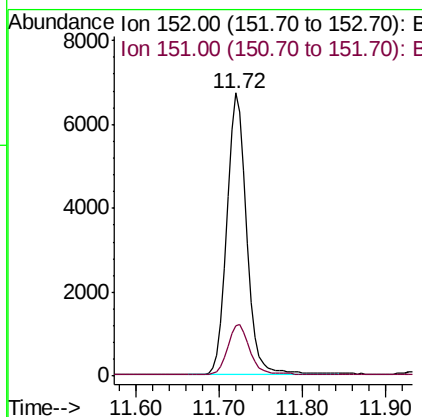
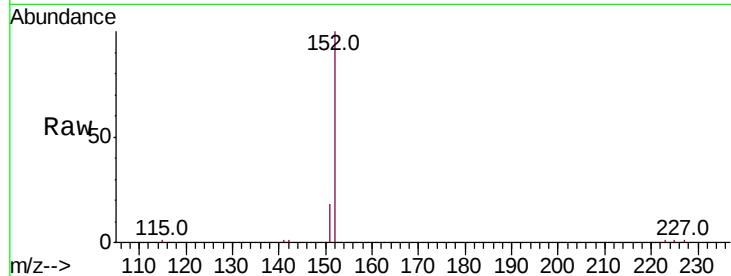




#11
 2-Methylnaphthalene-d10
 Concen: 1.539 ng
 RT: 11.72 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BE097334.D
 Acq: 20 Aug 2018 16:06

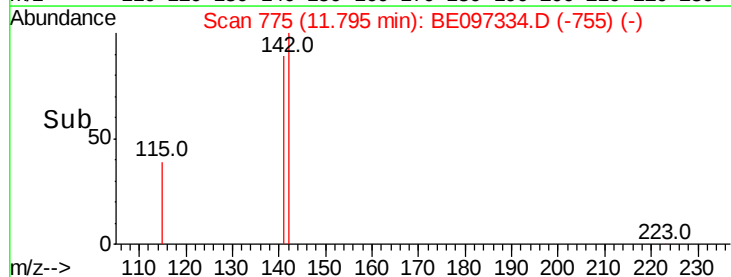
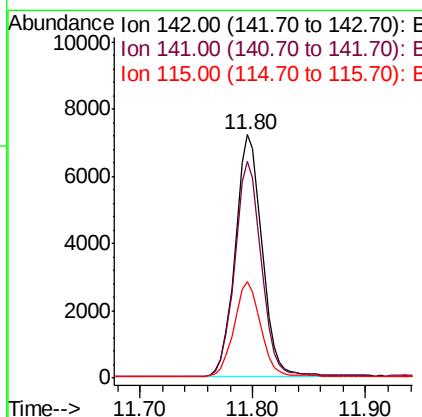
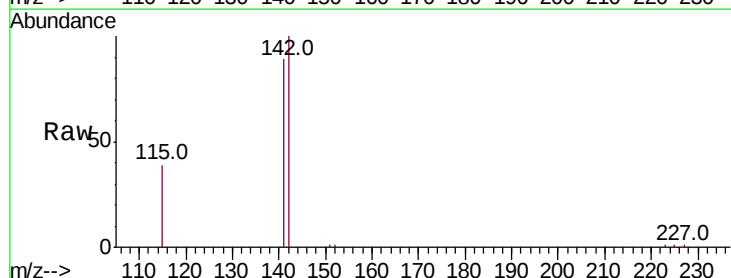
Instrument :
 BNA_E
 ClientSampleId :

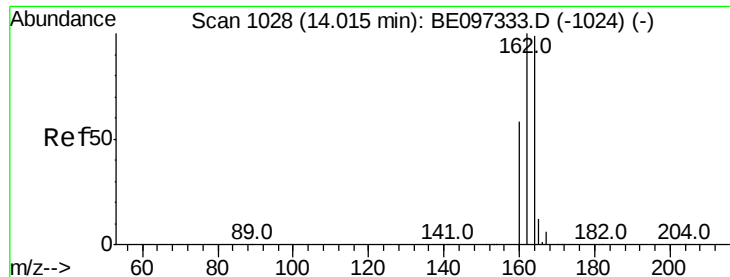
Tot Ion:152 Resp: 11238
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 1.543 ng
 RT: 11.80 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BE097334.D
 Acq: 20 Aug 2018 16:06

Tgt Ion:142 Resp: 11871
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.4 105.6
 115 39.4 31.7 47.5

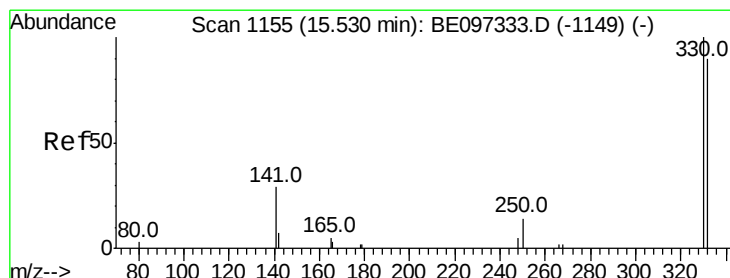
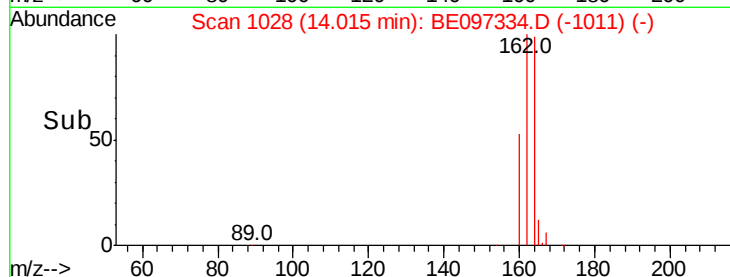
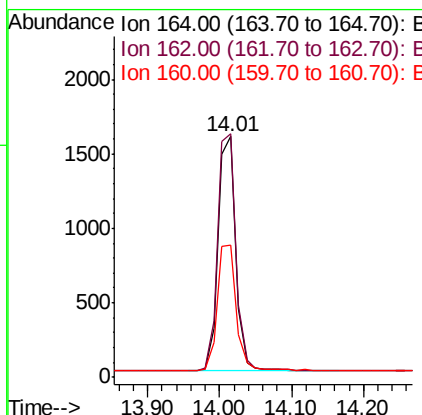
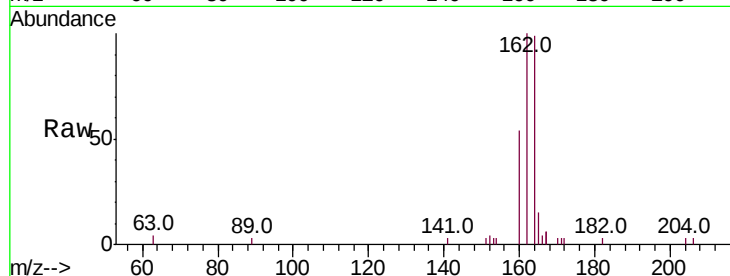




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

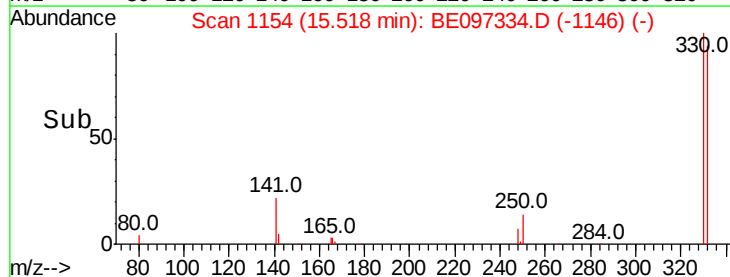
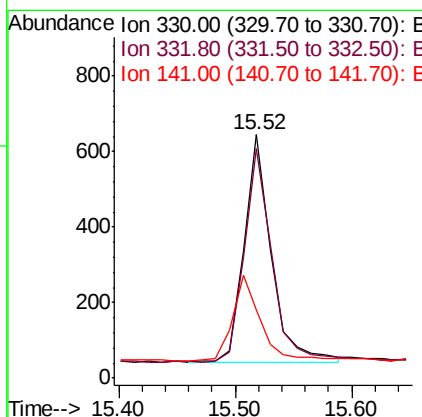
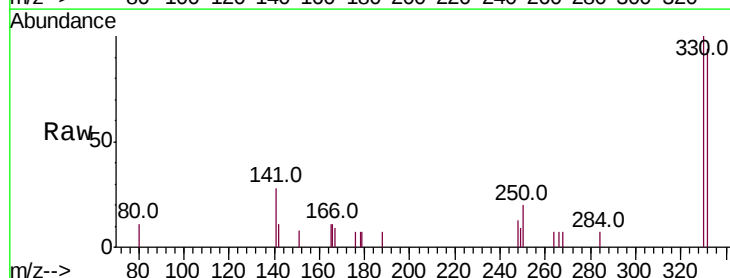
Instrument :
BNA_E
ClientSampleId :

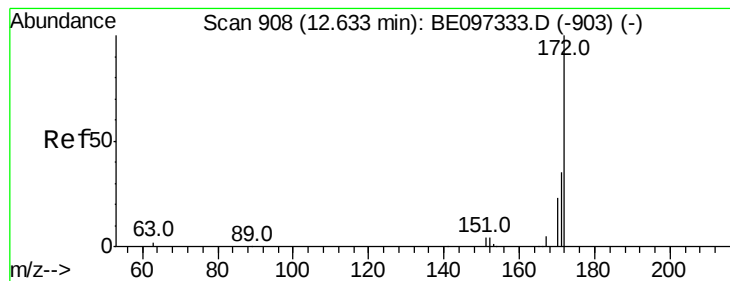
Tot Ion:164 Resp: 2660
Ion Ratio Lower Upper
164 100
162 101.1 83.1 124.7
160 54.7 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 1.099 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

Tgt Ion:330 Resp: 978
Ion Ratio Lower Upper
330 100
332 96.5 152.7 229.1#
141 38.1 33.7 50.5

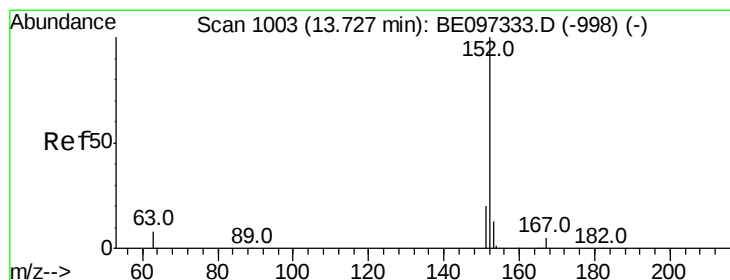
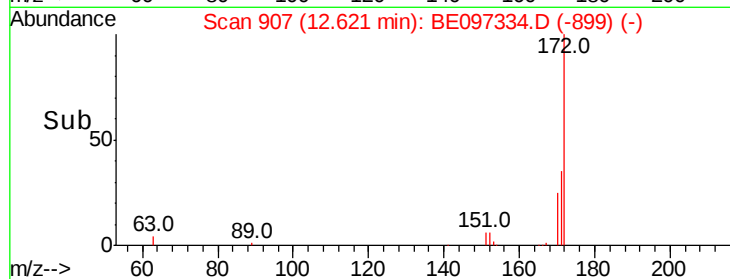
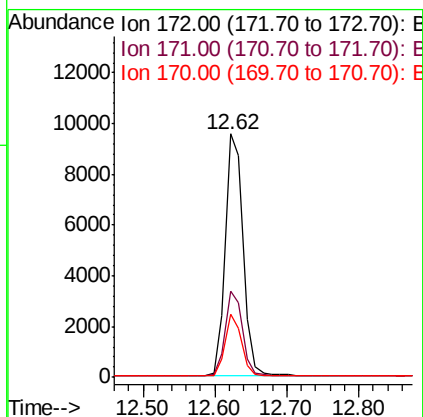
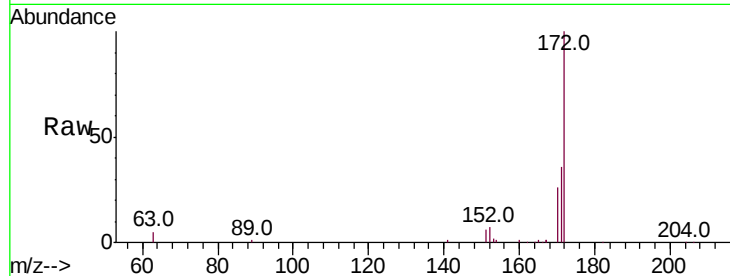




#15
 2-Fluorobiphenyl
 Concen: 1.658 ng
 RT: 12.62 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BE097334.D
 Acq: 20 Aug 2018 16:06

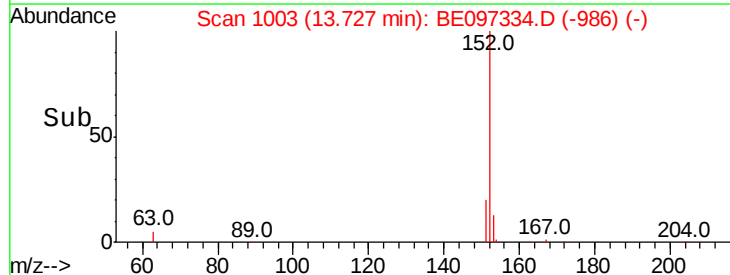
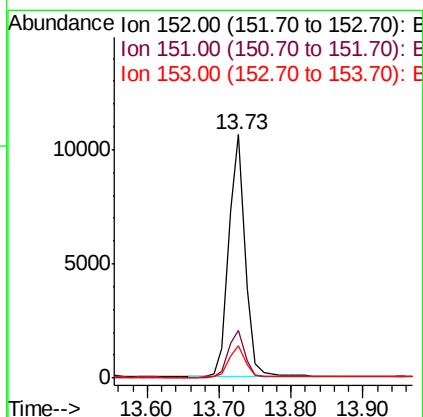
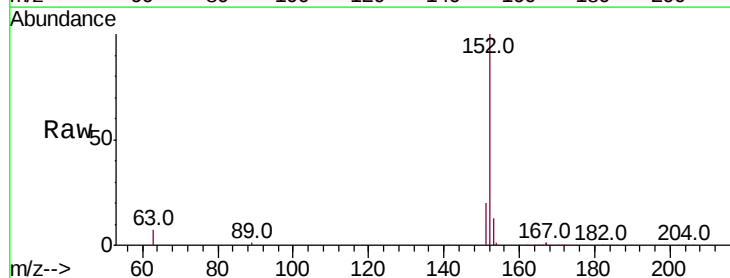
Instrument :
 BNA_E
 ClientSampleId :

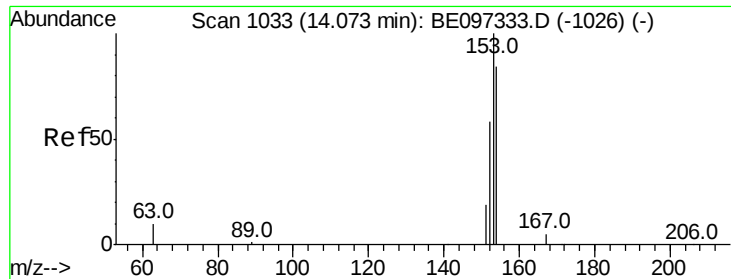
Tot Ion:172 Resp: 16574
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.9 44.9
 170 25.7 21.8 32.8



#16
 Acenaphthylene
 Concen: 1.387 ng
 RT: 13.73 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BE097334.D
 Acq: 20 Aug 2018 16:06

Tgt Ion:152 Resp: 17033
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.7 23.5
 153 12.9 10.5 15.7

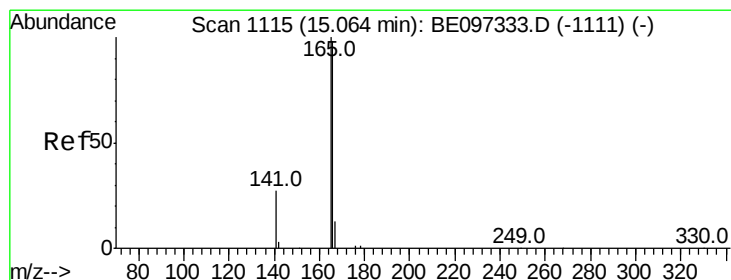
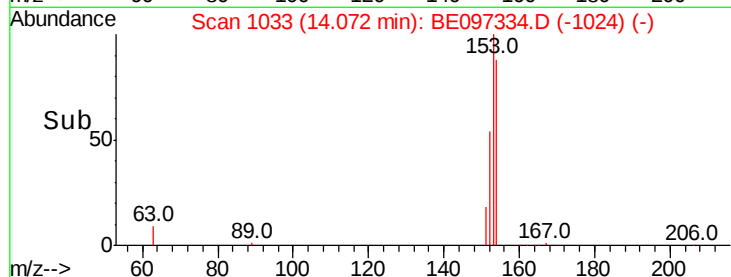
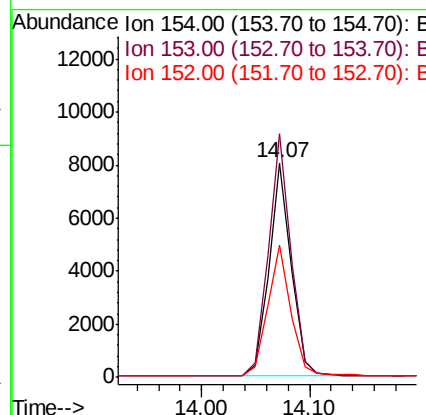
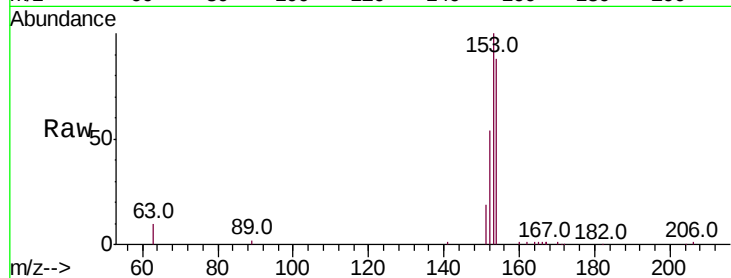




#17
Acenaphthene
Concen: 1.636 ng
RT: 14.07 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

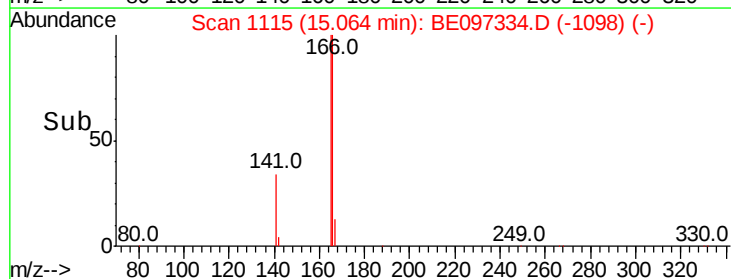
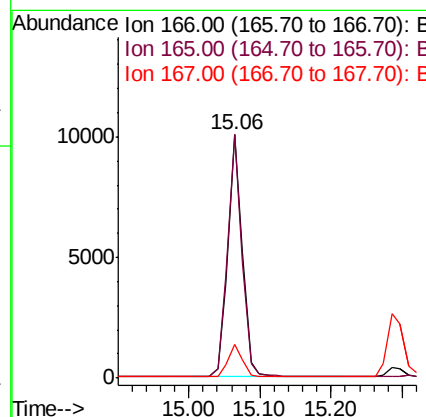
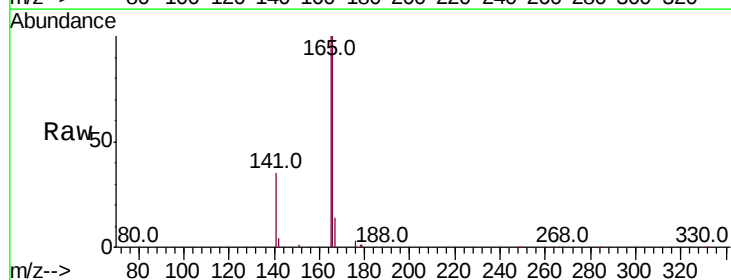
Instrument :
BNA_E
ClientSampleId :

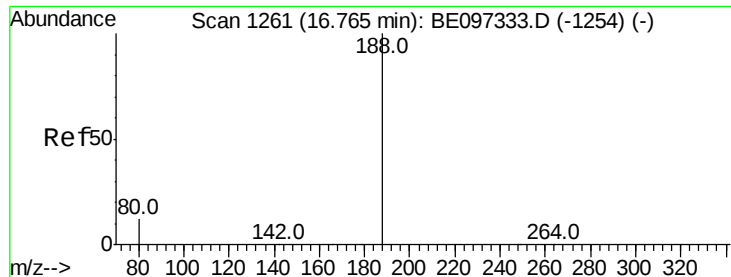
Tot Ion:154 Resp: 11547
Ion Ratio Lower Upper
154 100
153 114.7 89.2 133.8
152 63.0 42.0 63.0#



#18
Fluorene
Concen: 1.624 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

Tgt Ion:166 Resp: 14228
Ion Ratio Lower Upper
166 100
165 99.4 77.8 116.6
167 13.4 42.4 63.6#

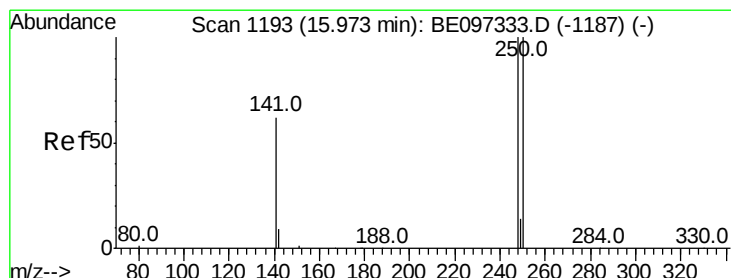
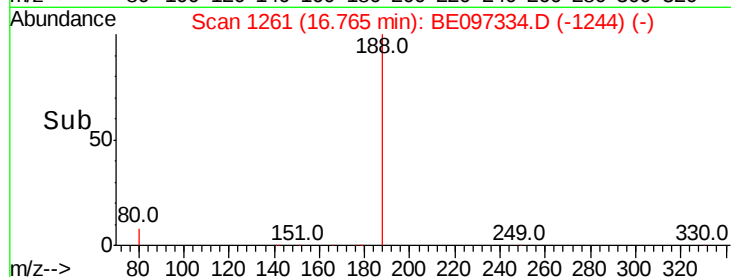
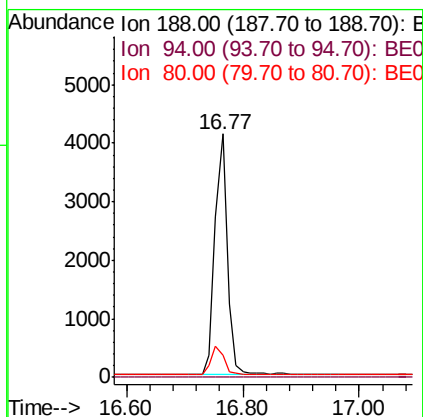
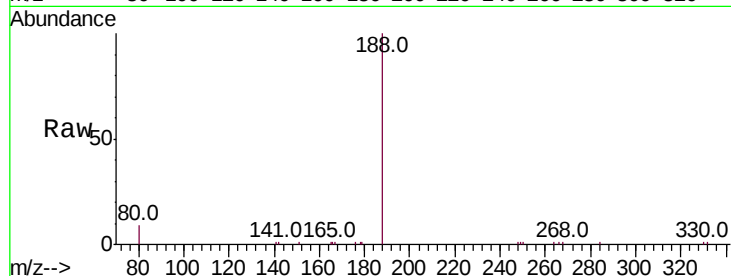




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

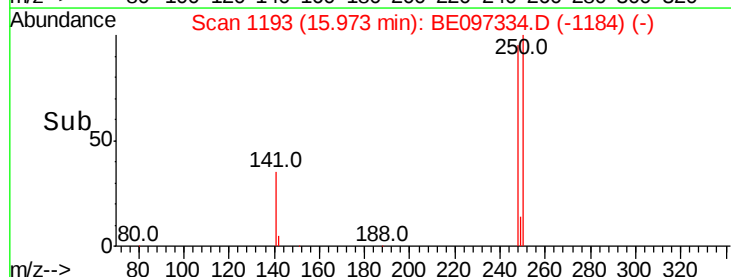
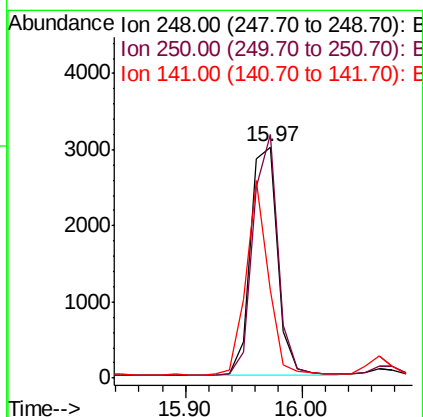
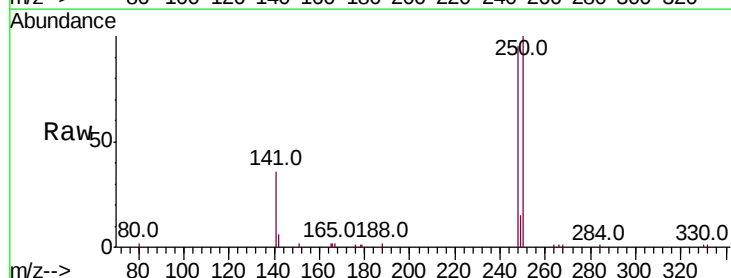
Instrument :
BNA_E
ClientSampled :

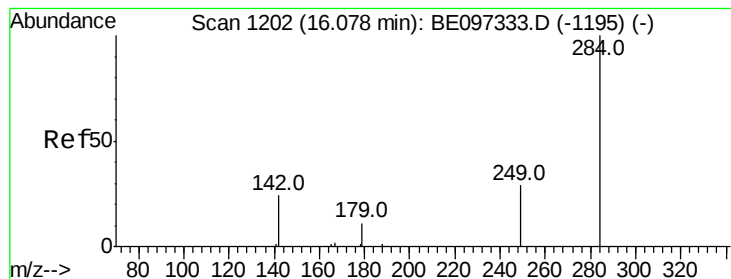
Tot Ion:188 Resp: 6138
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 8.9 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 1.523 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

Tgt Ion:248 Resp: 4884
Ion Ratio Lower Upper
248 100
250 105.2 62.7 94.1#
141 38.0 48.2 72.2#





#21

Hexachlorobenzene

Concen: 1.616 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampled :

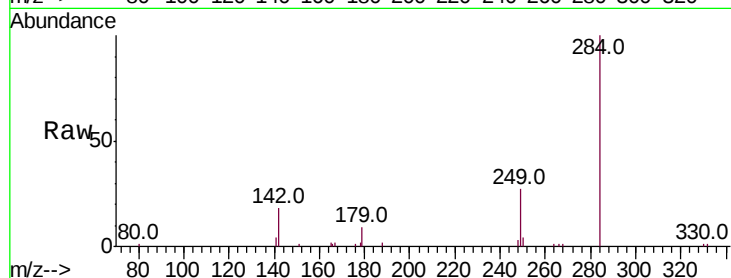
Tot Ion:284 Resp: 5879

Ion Ratio Lower Upper

284 100

142 33.6 22.1 33.1#

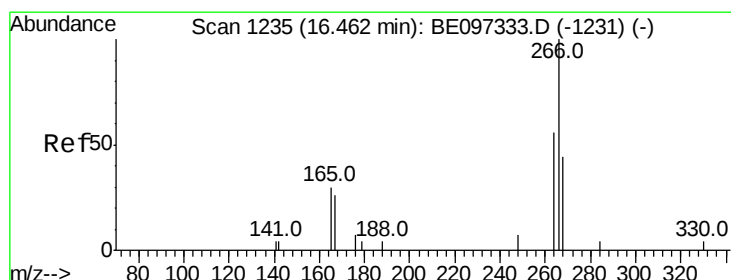
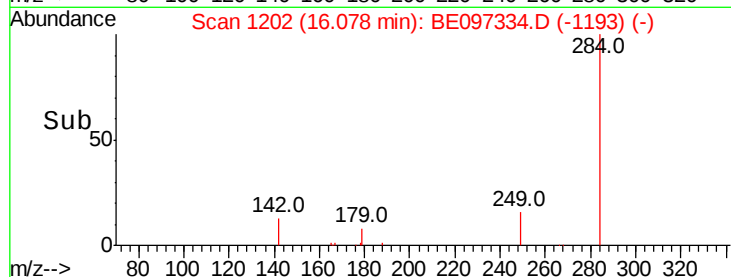
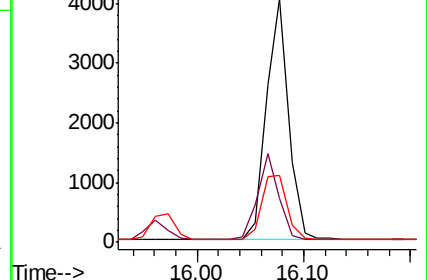
249 30.7 34.8 52.2#



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: 0.864 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.02 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

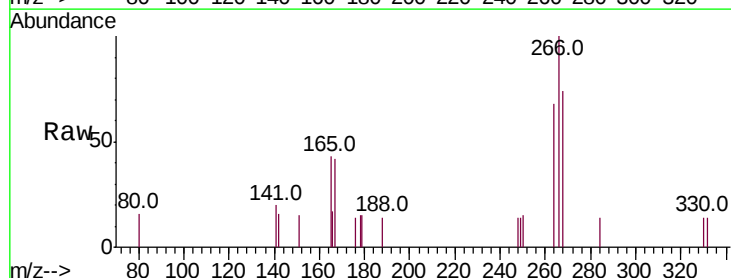
Tgt Ion:266 Resp: 699

Ion Ratio Lower Upper

266 100

264 68.4 72.5 108.7#

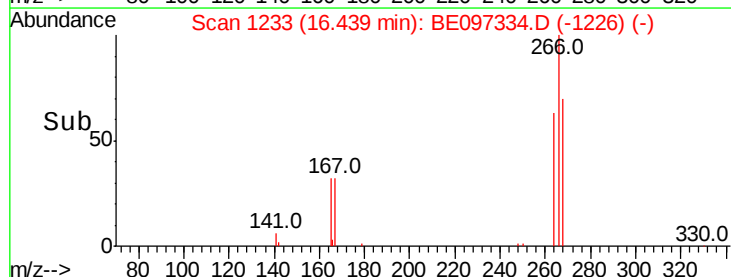
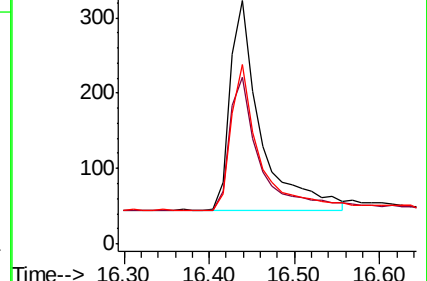
268 73.7 73.8 110.6#

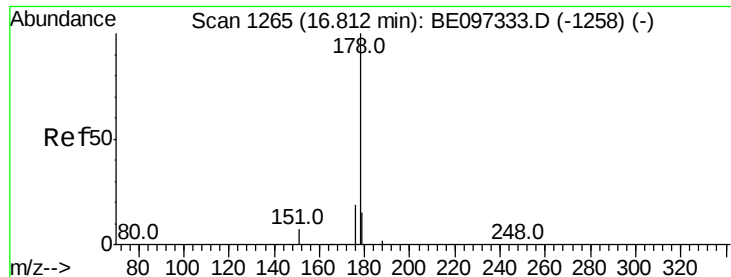


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.657 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

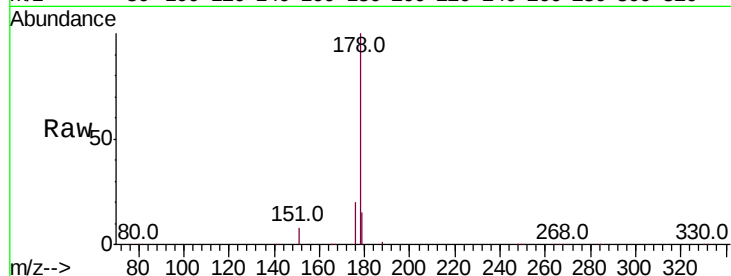
Tot Ion:178 Resp: 24545

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

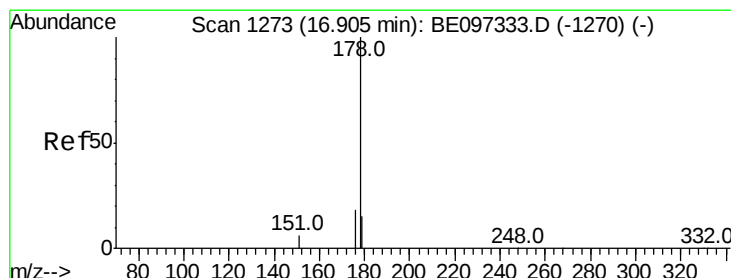
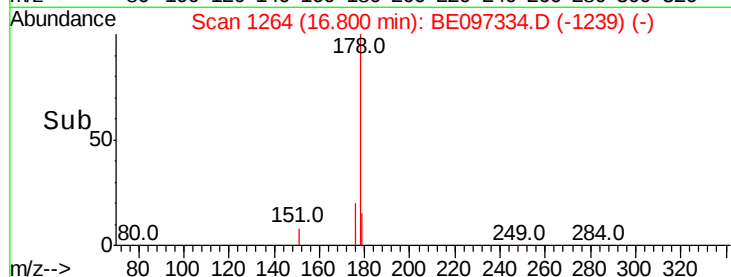
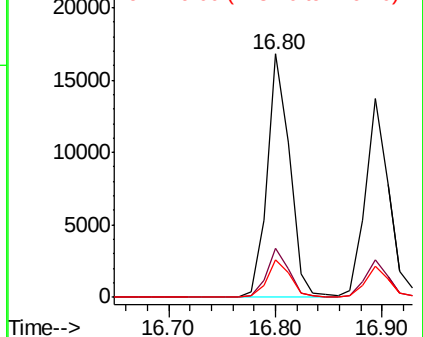
179 15.4 11.8 17.6



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: 1.559 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

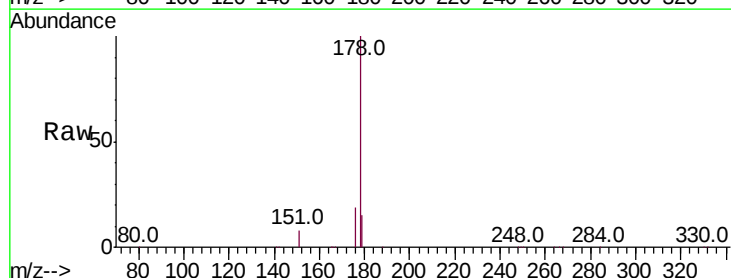
Tgt Ion:178 Resp: 20696

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

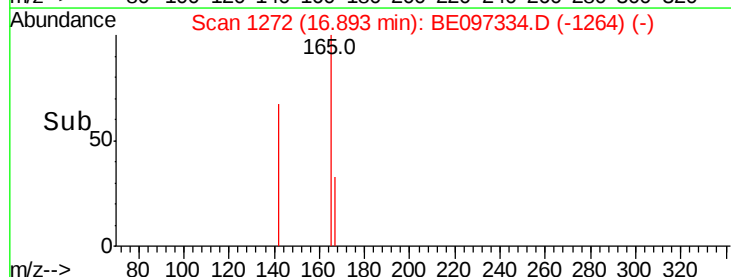
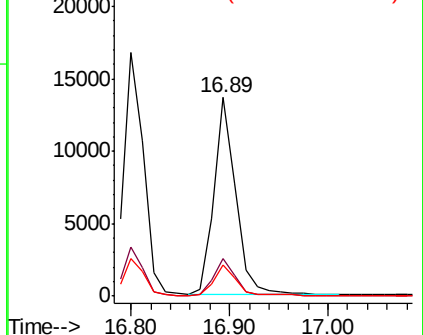
179 15.2 13.0 19.6

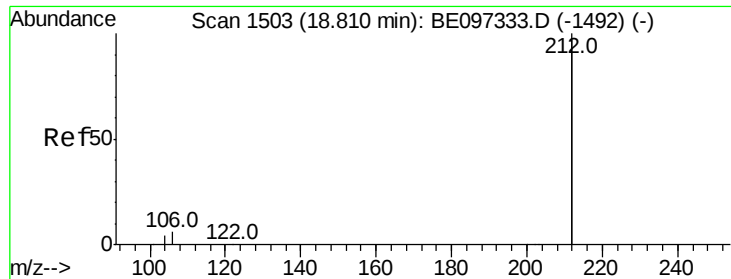


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.551 ng

RT: 18.80 min Scan# 1502

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

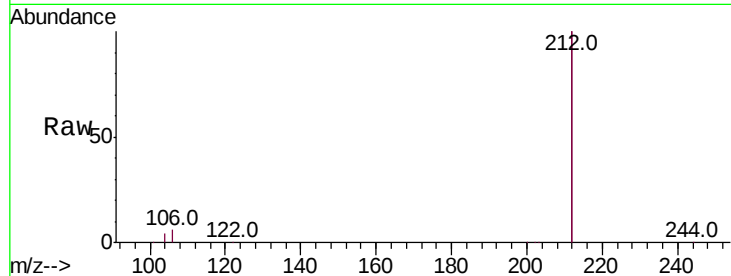
Tot Ion:212 Resp: 95151

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

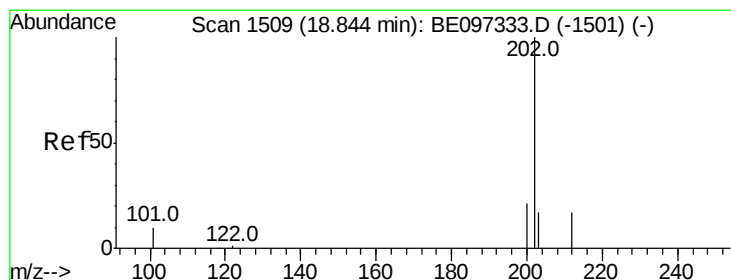
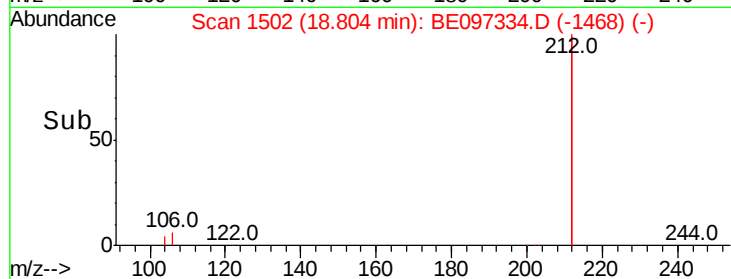
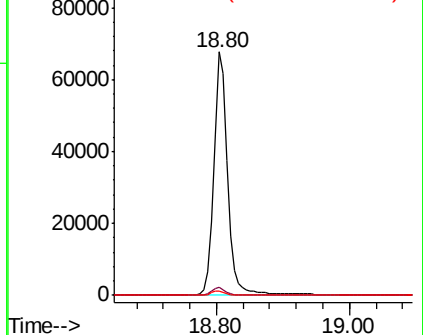
104 1.8 1.6 2.4



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: 1.663 ng

RT: 18.83 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

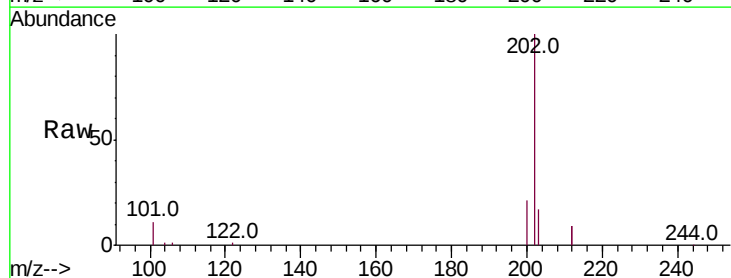
Tgt Ion:202 Resp: 27254

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

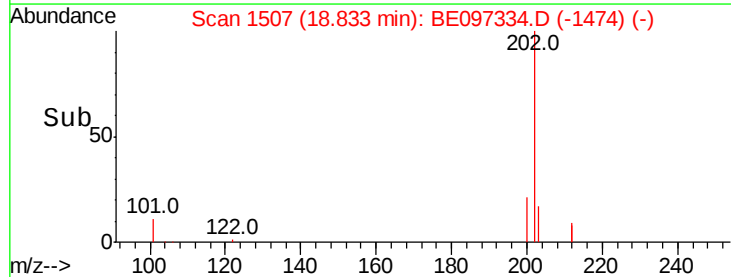
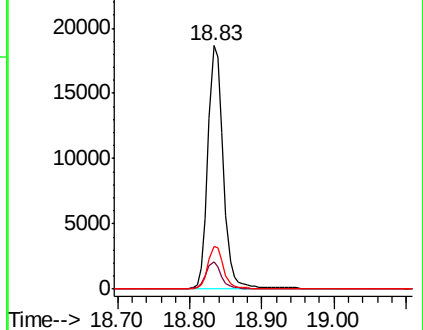
203 17.3 13.7 20.5

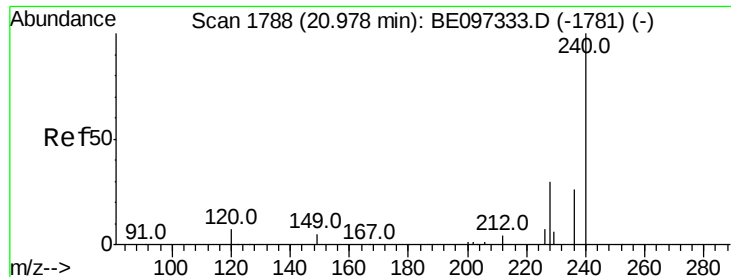


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

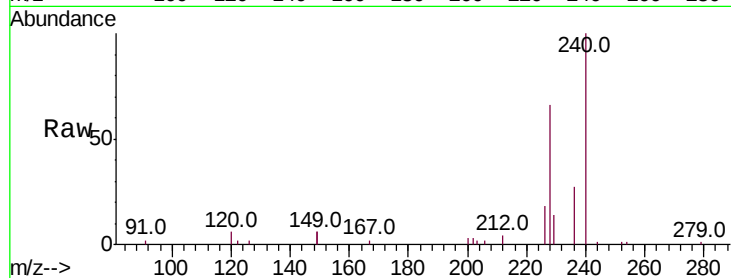
Tot Ion:240 Resp: 6037

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

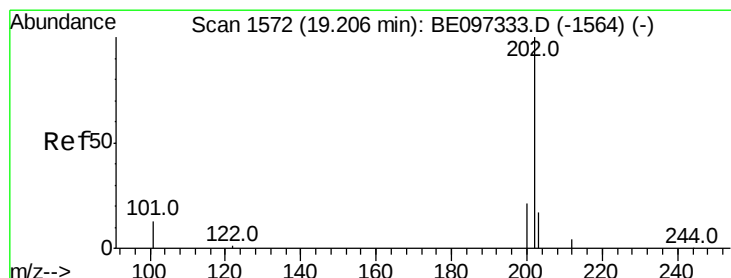
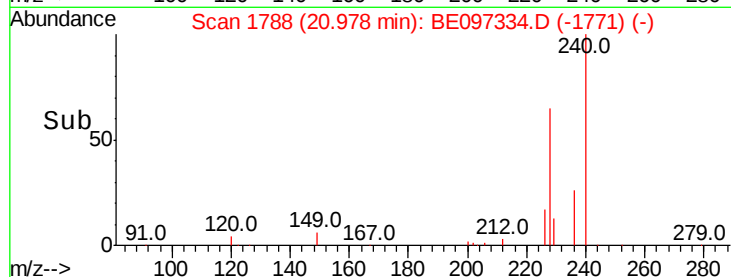
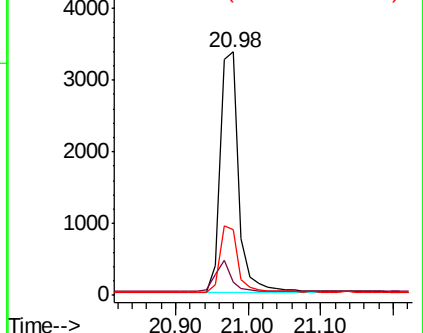
236 26.8 20.7 31.1



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: 1.582 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

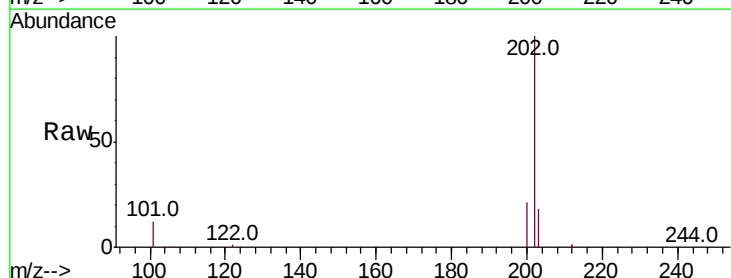
Tgt Ion:202 Resp: 25756

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

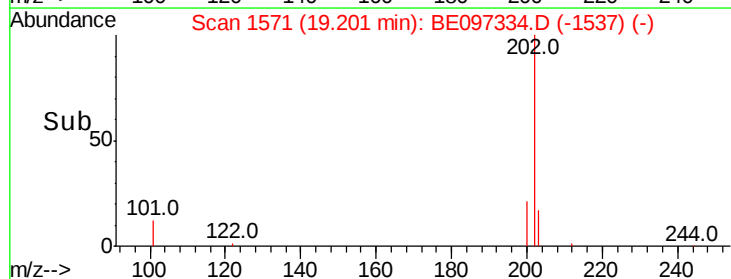
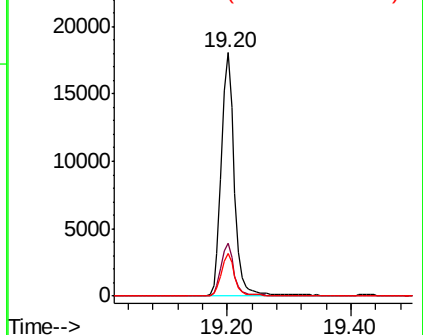
203 17.3 13.8 20.8

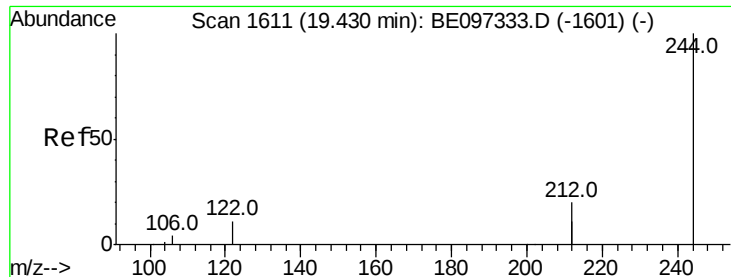


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.668 ng

RT: 19.42 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

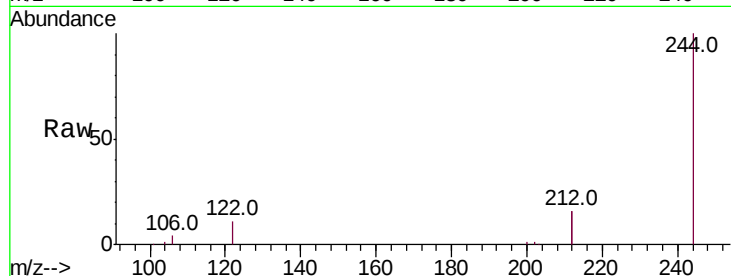
Tot Ion:244 Resp: 18922

Ion Ratio Lower Upper

244 100

212 32.2 25.4 38.0

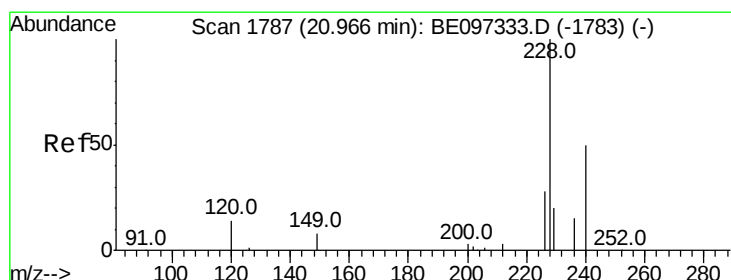
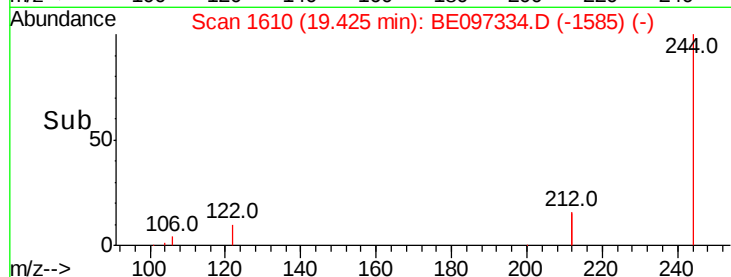
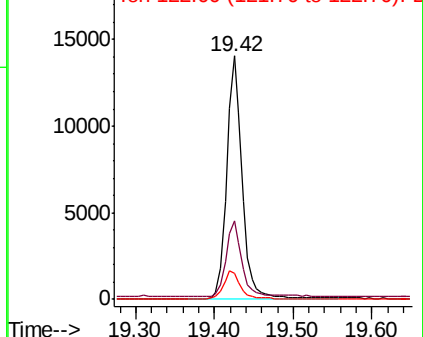
122 10.7 8.1 12.1



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: 1.414 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

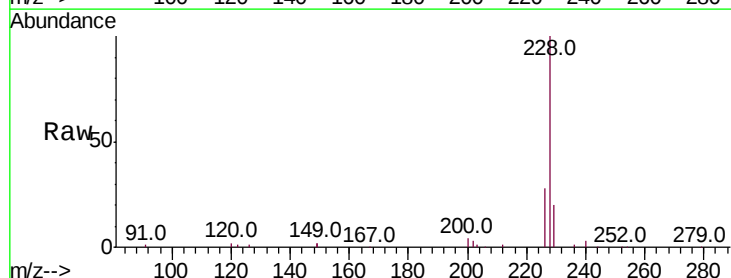
Tgt Ion:228 Resp: 21475

Ion Ratio Lower Upper

228 100

226 28.2 24.0 36.0

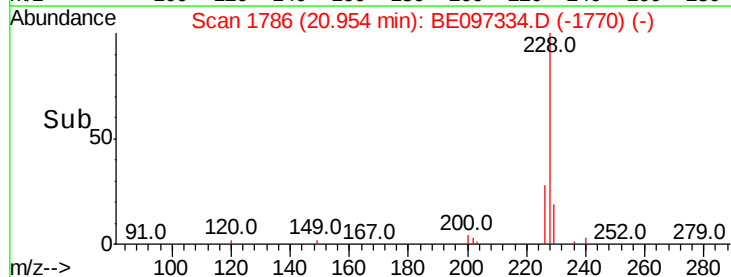
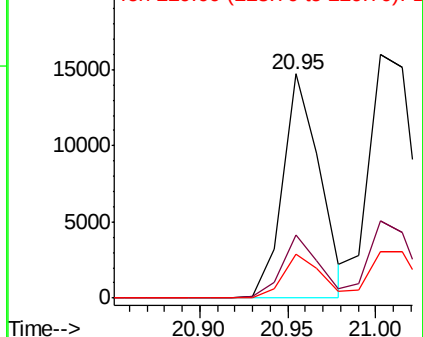
229 19.6 16.0 24.0

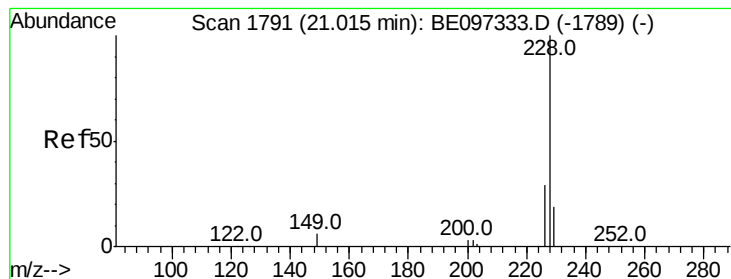


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.769 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

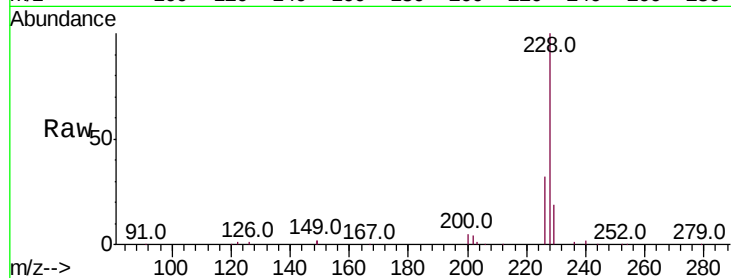
Tot Ion:228 Resp: 27491

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

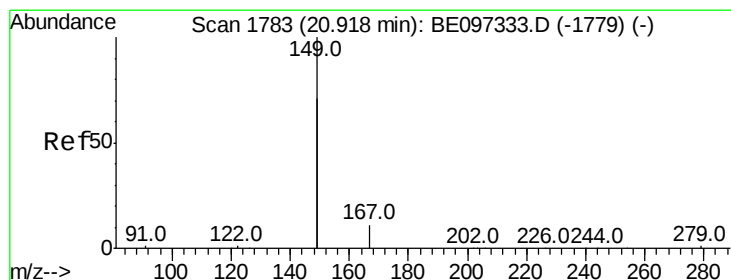
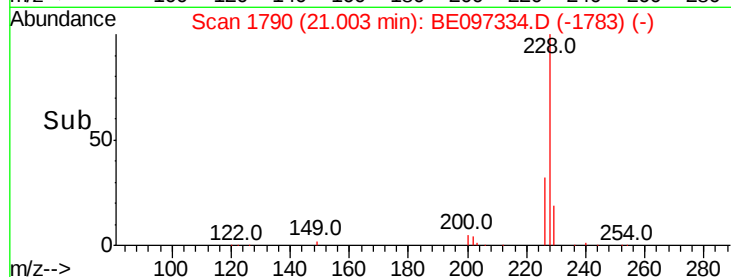
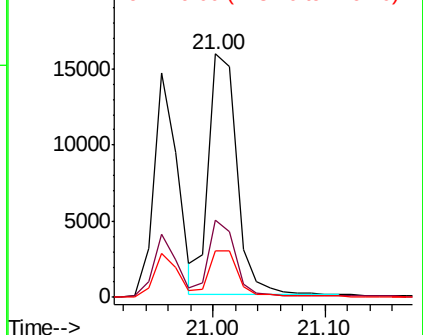
229 19.2 16.0 24.0



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: 0.571 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

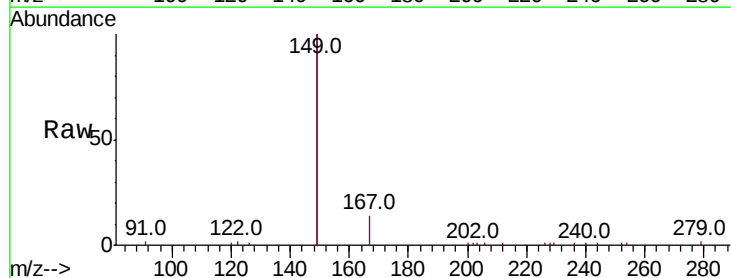
Tgt Ion:149 Resp: 11208

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

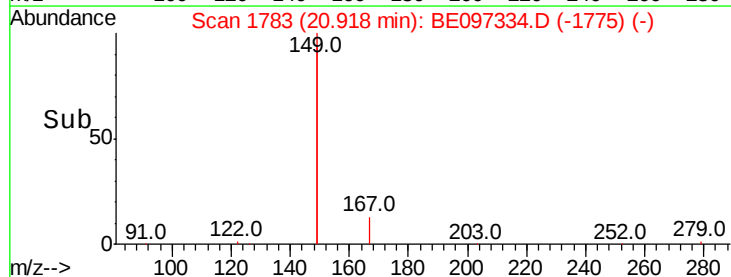
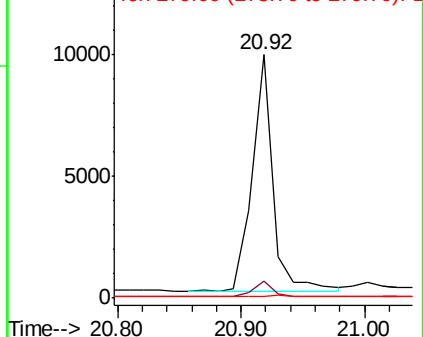
279 0.9 0.7 1.1

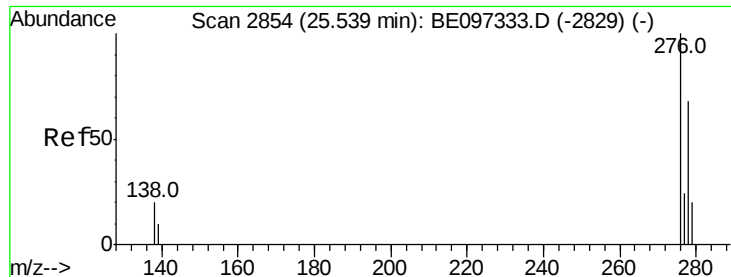


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.045 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.03 min

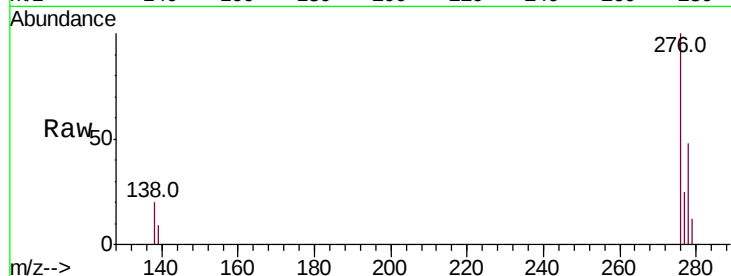
Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :



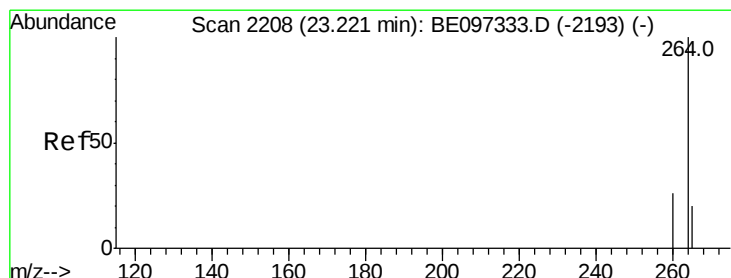
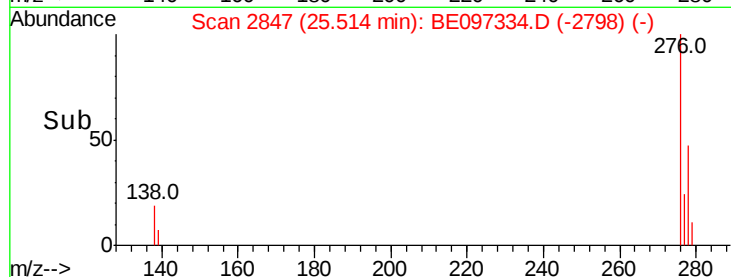
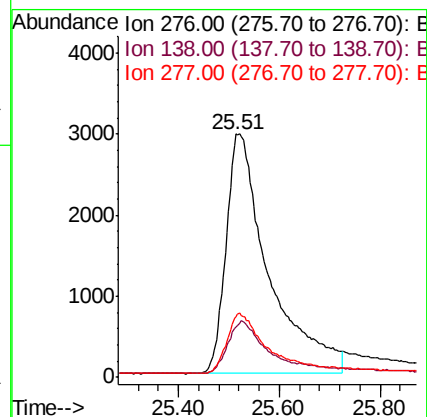
Tot Ion:276 Resp: 17498

Ion Ratio Lower Upper

276 100

138 19.1 22.5 33.7#

277 24.2 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

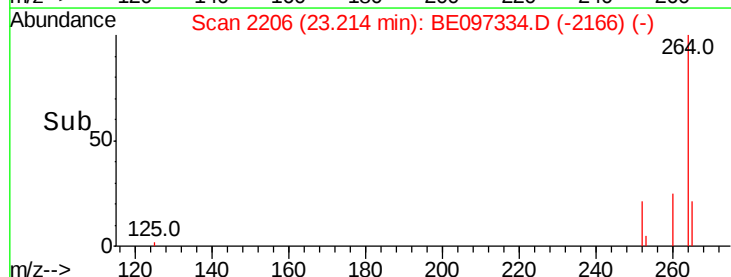
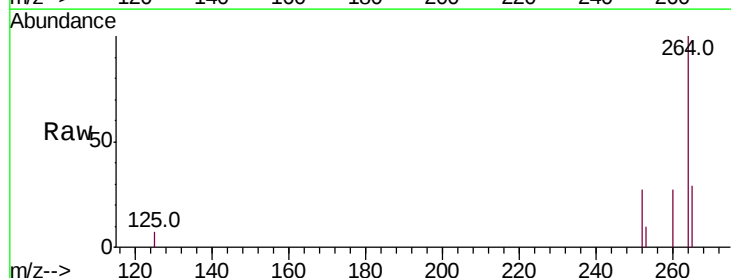
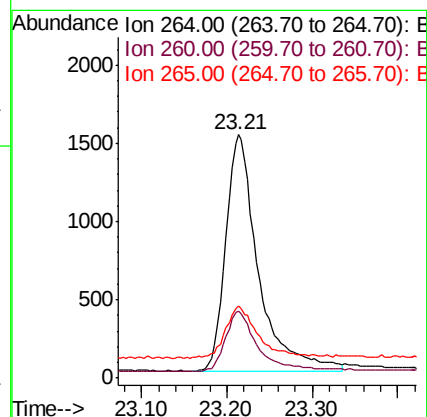
Tgt Ion:264 Resp: 3986

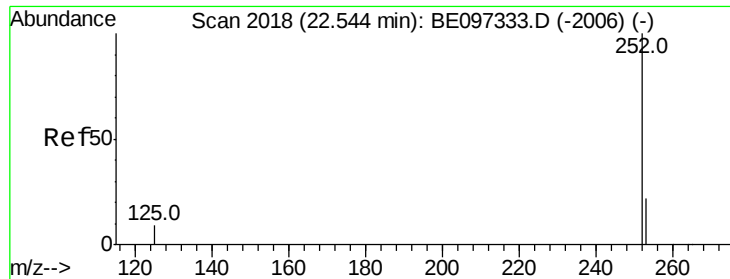
Ion Ratio Lower Upper

264 100

260 27.3 20.5 30.7

265 29.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 1.813 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :

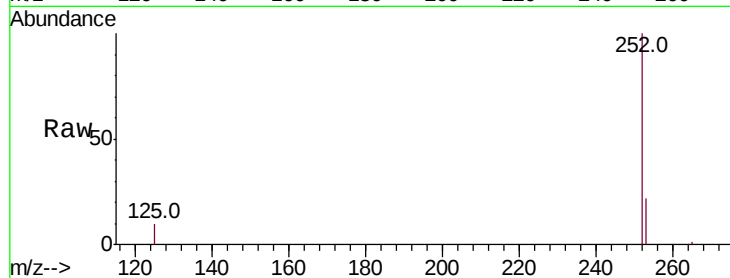
Tot Ion:252 Resp: 17969

Ion Ratio Lower Upper

252 100

253 22.2 20.0 30.0

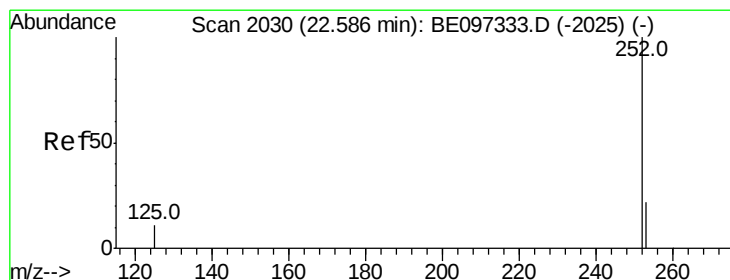
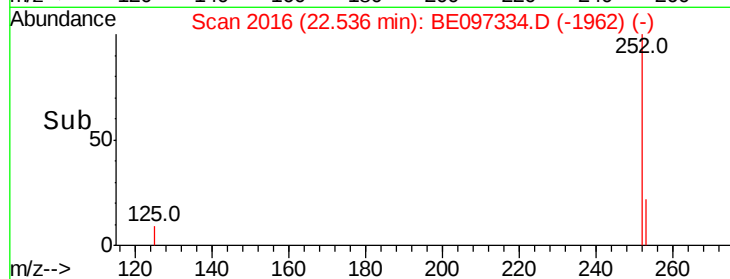
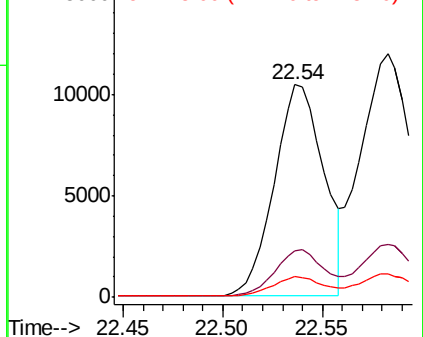
125 9.7 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 2.135 ng

RT: 22.58 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

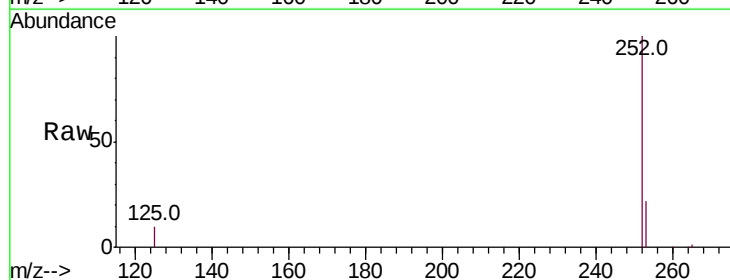
Tgt Ion:252 Resp: 25738

Ion Ratio Lower Upper

252 100

253 21.8 16.0 24.0

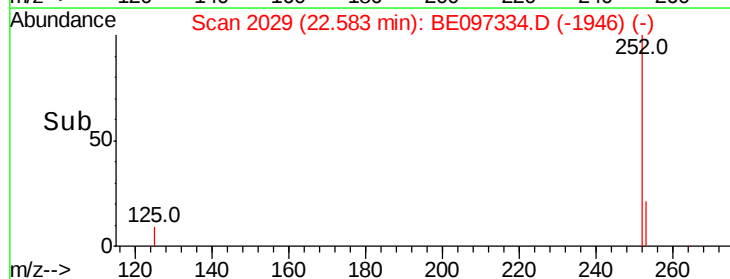
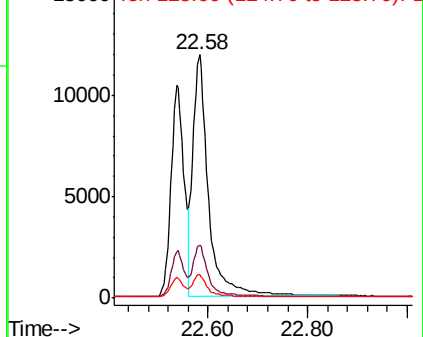
125 9.6 8.0 12.0

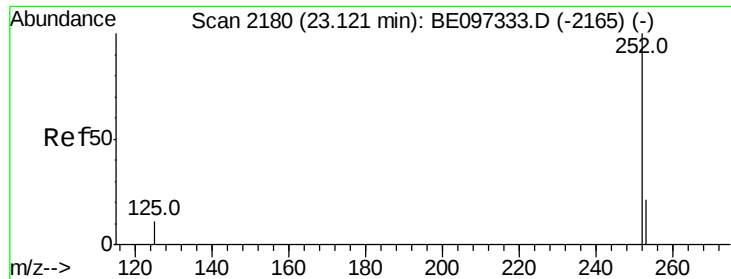


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

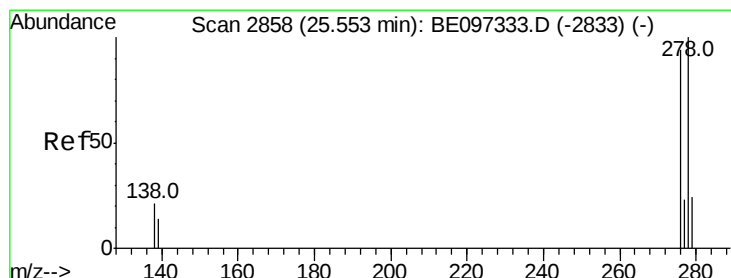
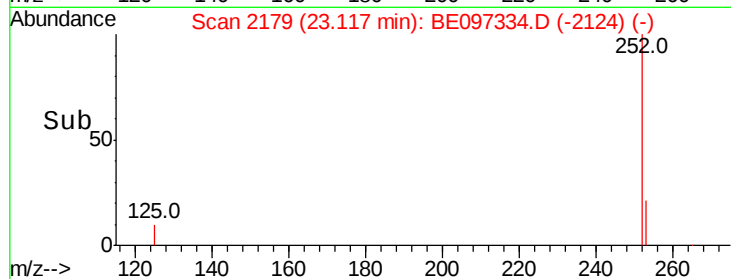
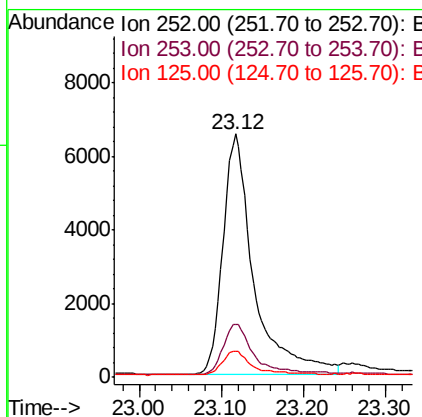
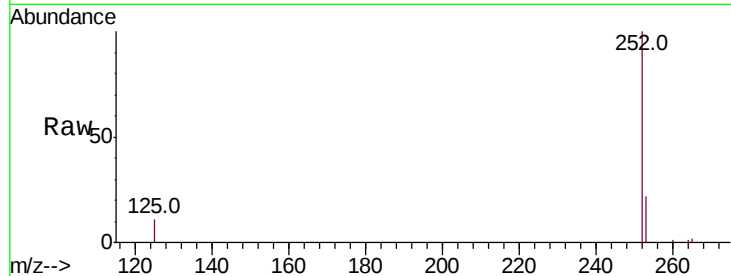




#37
Benzo(a)pyrene
Concen: 1.717 ng
RT: 23.12 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

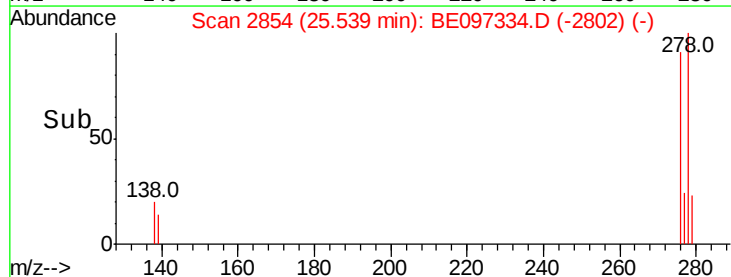
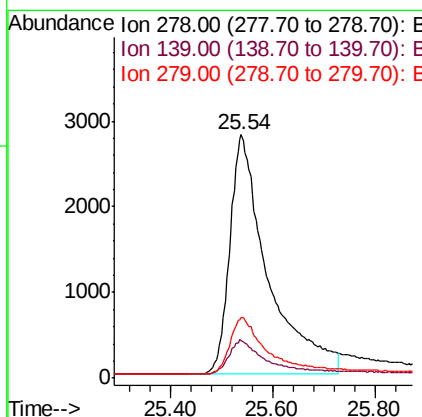
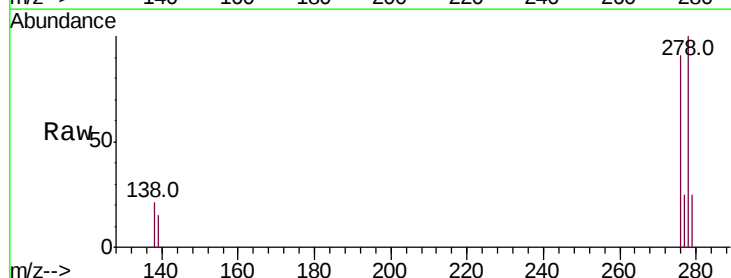
Instrument :
BNA_E
ClientSampleId :

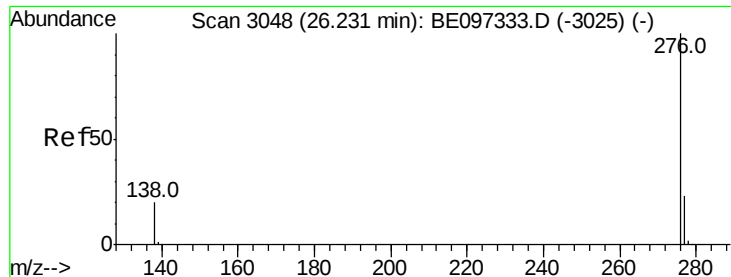
Tot Ion:252 Resp: 17095
Ion Ratio Lower Upper
252 100
253 22.0 16.0 24.0
125 10.7 12.0 18.0#



#38
Dibenzo(a,h)anthracene
Concen: 1.485 ng
RT: 25.54 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BE097334.D
Acq: 20 Aug 2018 16:06

Tgt Ion:278 Resp: 14589
Ion Ratio Lower Upper
278 100
139 15.4 16.0 24.0#
279 24.8 20.0 30.0





#39

Benzo(a,h,i)perylene

Concen: 1.438 ng

RT: 26.22 min Scan# 3044

Delta R.T. -0.01 min

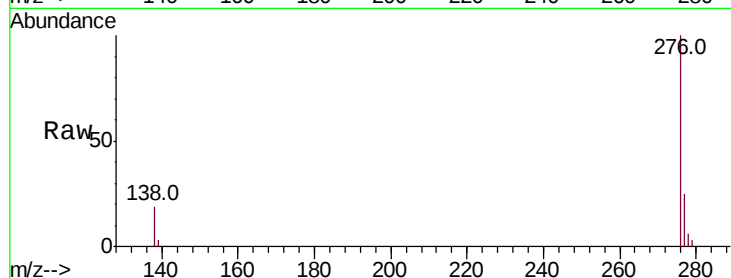
Lab File: BE097334.D

Acq: 20 Aug 2018 16:06

Instrument :

BNA_E

ClientSampleId :



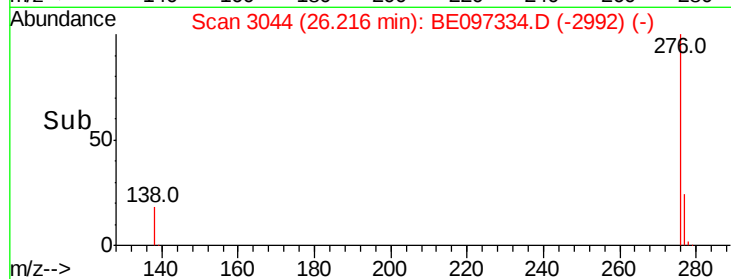
Tot Ion:276 Resp: 14254

Ion Ratio Lower Upper

276 100

277 25.2 16.0 24.0#

138 19.5 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

