

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097332.D
 Acq On : 20 Aug 2018 14:51
 Operator : SJ/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 20 16:09:07 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	878	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	4545	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	1988	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5212	0.40	ng	0.00
27) Chrysene-d12	20.98	240	3856	0.40	ng	0.00
34) Perylene-d12	23.22	264	2857	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	345	0.12	ng	0.01
5) Phenol-d6	6.61	99	491	0.12	ng	0.01
8) Nitrobenzene-d5	8.53	82	347	0.08	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	1176	0.18	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	48	0.07	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	1667	0.22	ng	0.00
25) Fluoranthene-d10	18.82	212	8500	0.16	ng	0.00
29) Terphenyl-d14	19.43	244	1480	0.20	ng	0.00

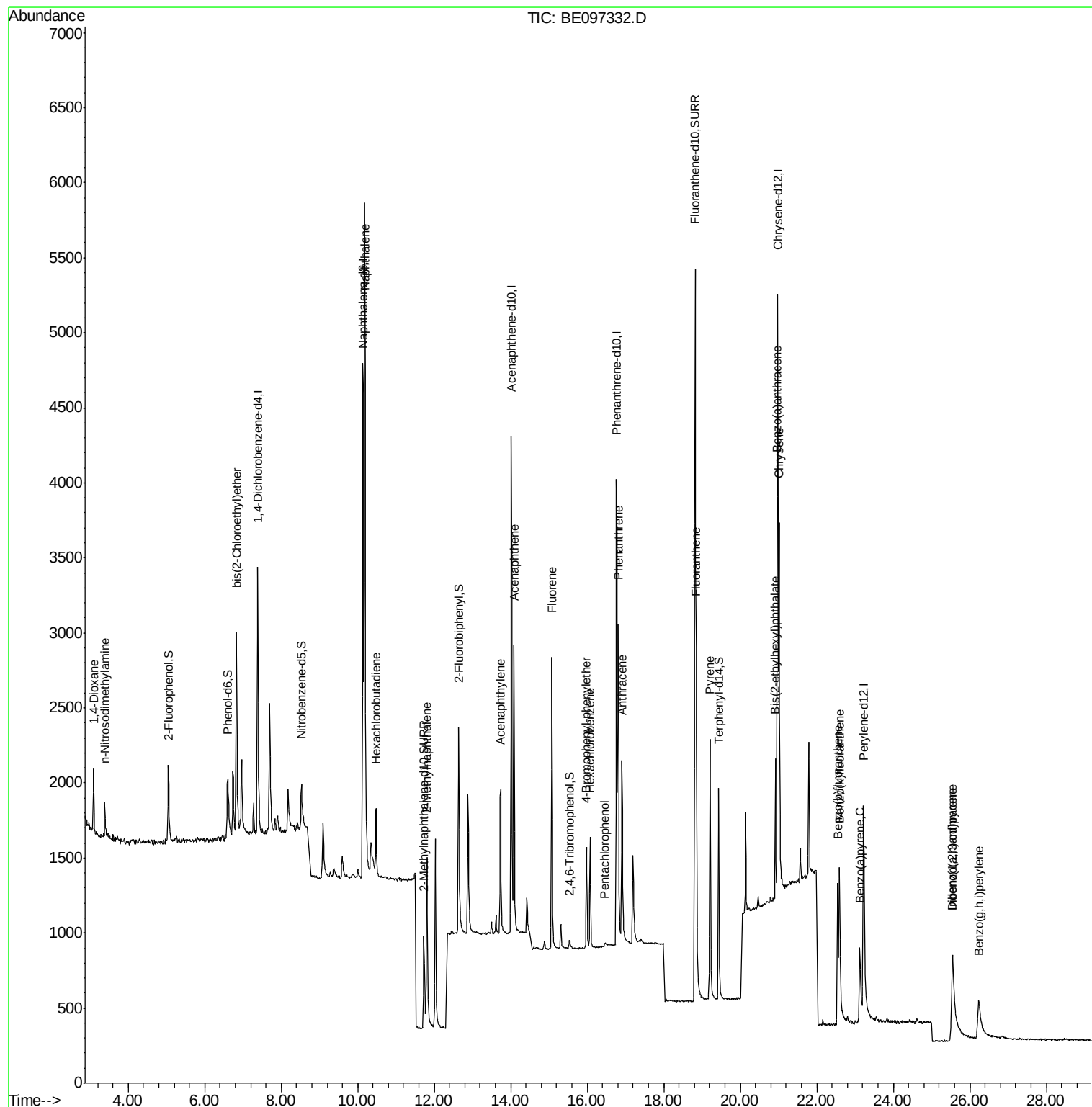
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	307	0.311	ng	# 82
3) n-Nitrosodimethylamine	3.38	42	205	0.179	ng	# 79
6) bis(2-Chloroethyl)ether	6.84	93	544	0.166	ng	# 96
9) Naphthalene	10.18	128	8073	0.190	ng	# 98
10) Hexachlorobutadiene	10.48	225	364	0.190	ng	99
12) 2-Methylnaphthalene	11.81	142	1122	0.161	ng	95
16) Acenaphthylene	13.74	152	1356	0.148	ng	99
17) Acenaphthene	14.08	154	1021	0.194	ng	# 85
18) Fluorene	15.08	166	1250	0.191	ng	# 78
20) 4-Bromophenyl-phenylether	15.97	248	410	0.151	ng	# 79
21) Hexachlorobenzene	16.08	284	618	0.200	ng	# 82
22) Pentachlorophenol	16.46	266	29	0.042	ng	97
23) Phenanthrene	16.81	178	2421	0.192	ng	99
24) Anthracene	16.91	178	1647	0.146	ng	# 93
26) Fluoranthene	18.85	202	2122	0.152	ng	99
28) Pyrene	19.21	202	2012	0.194	ng	99
30) Benzo(a)anthracene	20.97	228	1442	0.149	ng	96
31) Chrysene	21.02	228	2140	0.216	ng	96
32) Bis(2-ethylhexyl)phthalate	20.92	149	1090	0.087	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.54	276	1312	0.123	ng	# 87
35) Benzo(b)fluoranthene	22.54	252	1376	0.194	ng	94
36) Benzo(k)fluoranthene	22.59	252	1913	0.221	ng	# 82
37) Benzo(a)pyrene	23.13	252	1169	0.164	ng	# 79
38) Dibenzo(a,h)anthracene	25.55	278	875	0.124	ng	# 68
39) Benzo(g,h,i)perylene	26.24	276	919	0.129	ng	# 70

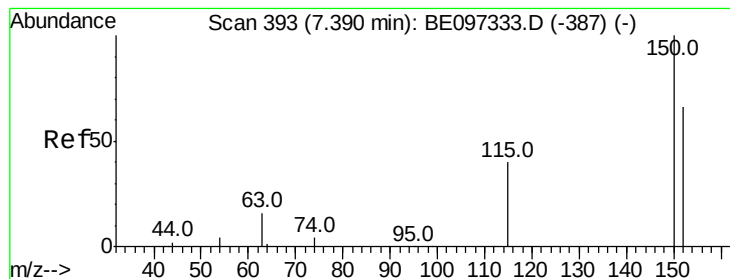
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampled :

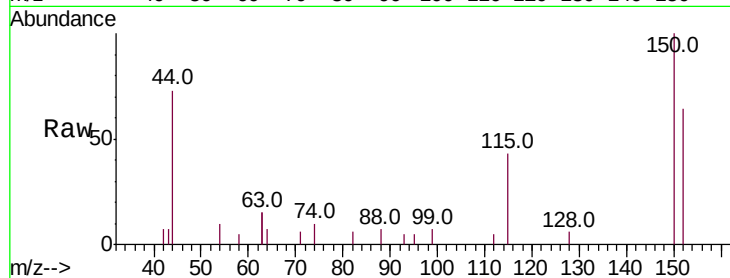
Tot Ion:152 Resp: 878

Ion Ratio Lower Upper

152 100

150 157.5 117.2 175.8

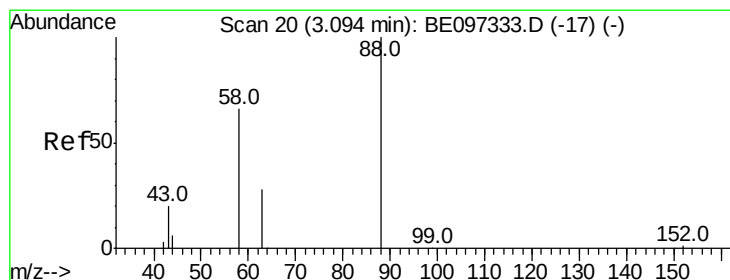
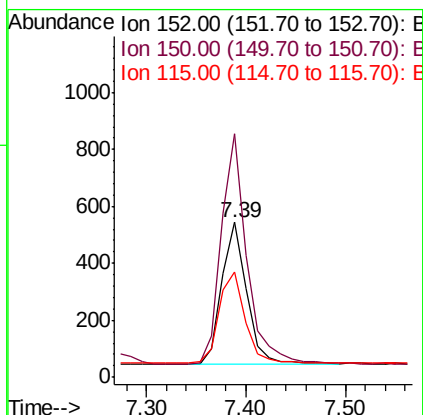
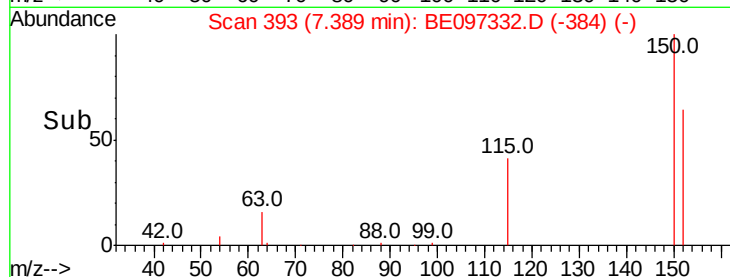
115 68.3 57.0 85.6



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: 0.311 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

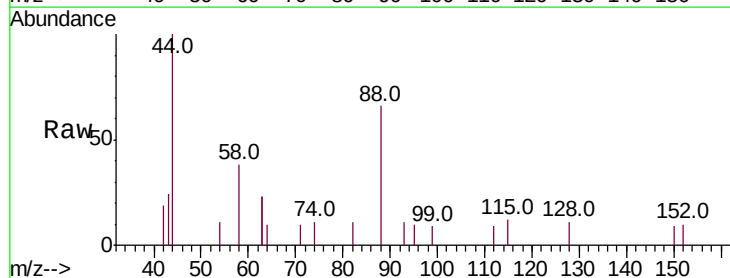
Tgt Ion: 88 Resp: 307

Ion Ratio Lower Upper

88 100

58 70.4 63.2 94.8

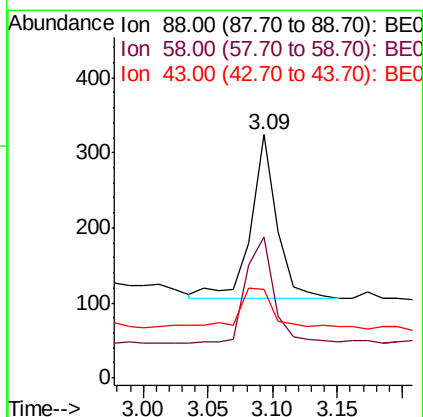
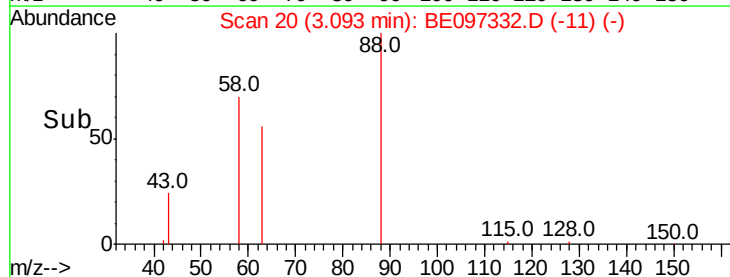
43 29.3 41.2 61.8#

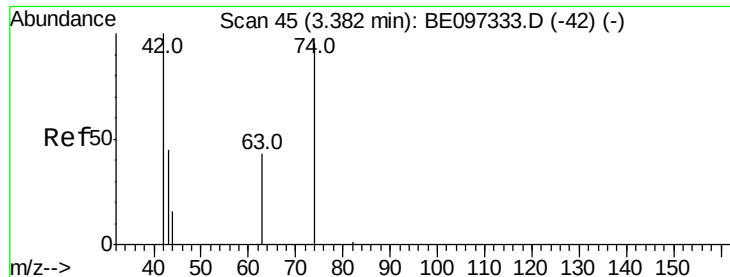


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



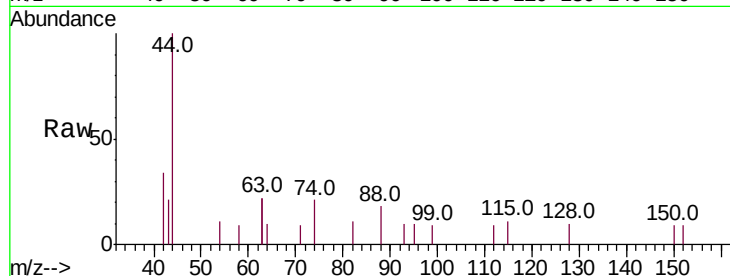


#3

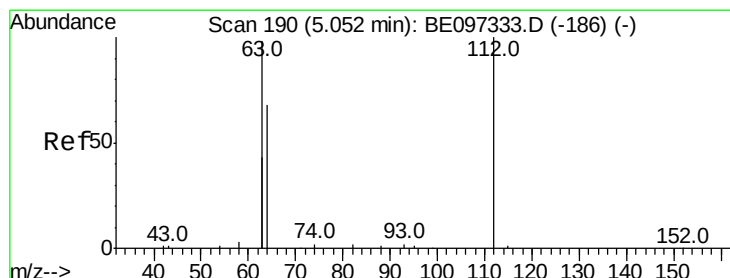
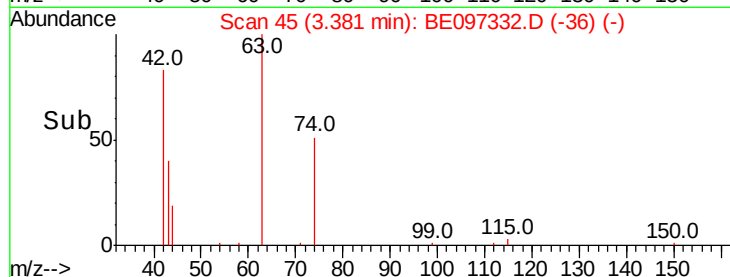
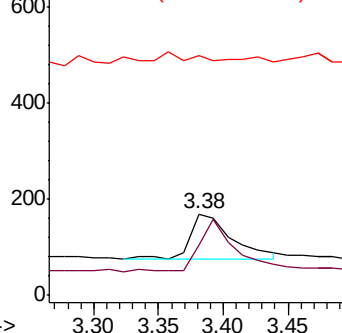
n-Nitrosodimethylamine
 Concen: 0.179 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 205
 Ion Ratio Lower Upper
 42 100
 74 99.0 96.0 144.0
 44 0.0 12.0 18.0#



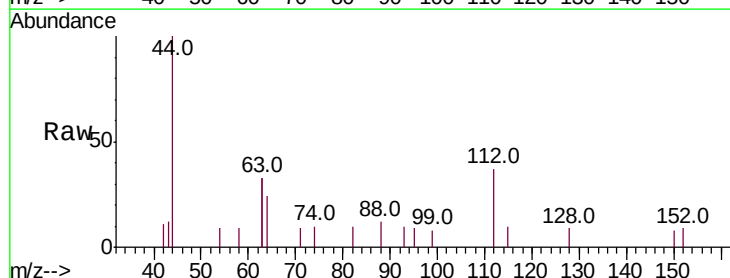
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



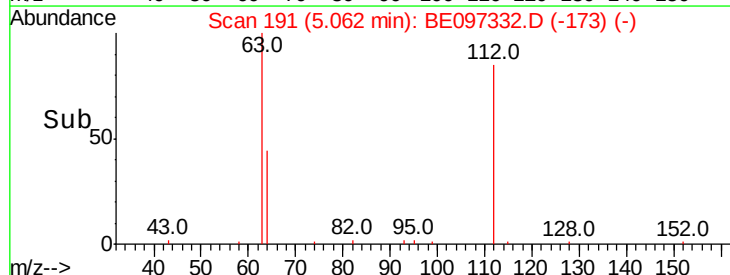
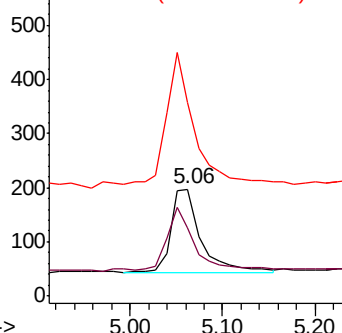
#4

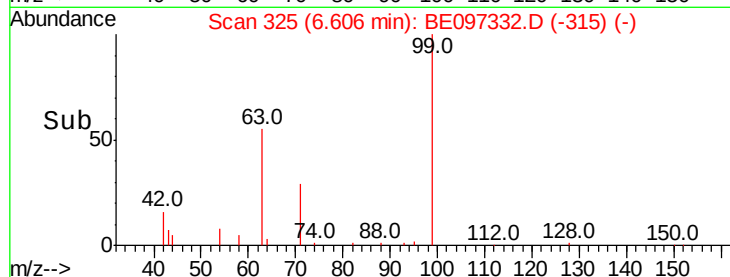
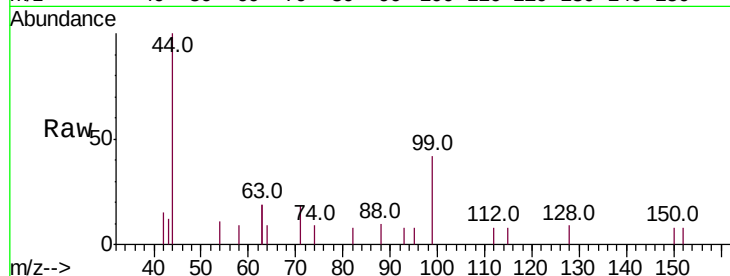
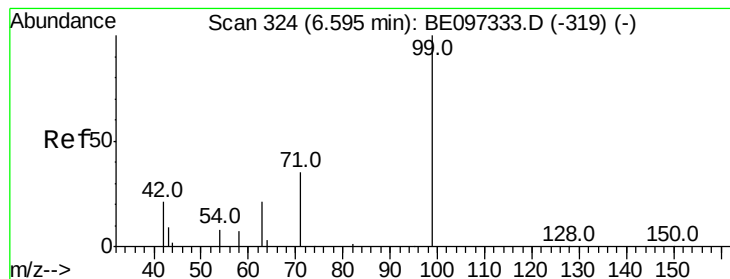
2-Fluorophenol
 Concen: 0.120 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

Tgt Ion: 112 Resp: 345
 Ion Ratio Lower Upper
 112 100
 64 73.0 60.1 90.1
 63 152.2 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.119 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

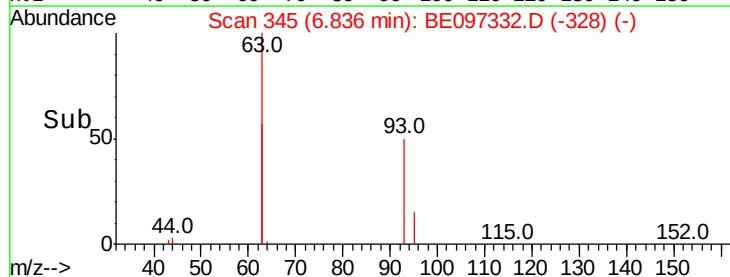
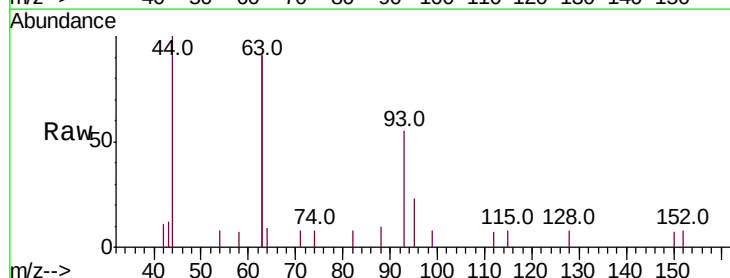
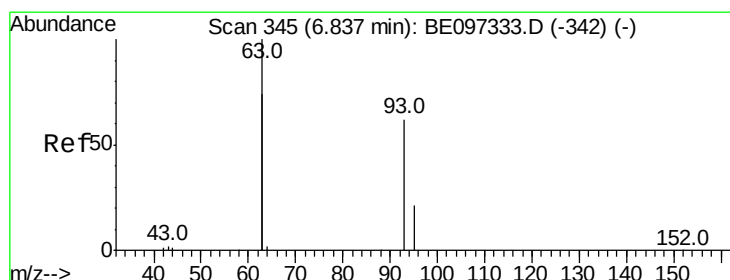
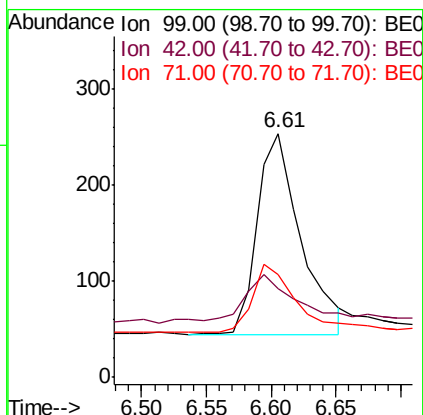
Tot Ion: 99 Resp: 491

Ion Ratio Lower Upper

99 100

42 29.5 20.2 30.2

71 34.0 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.166 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

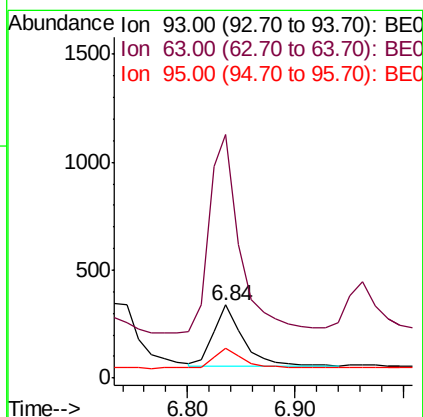
Tgt Ion: 93 Resp: 544

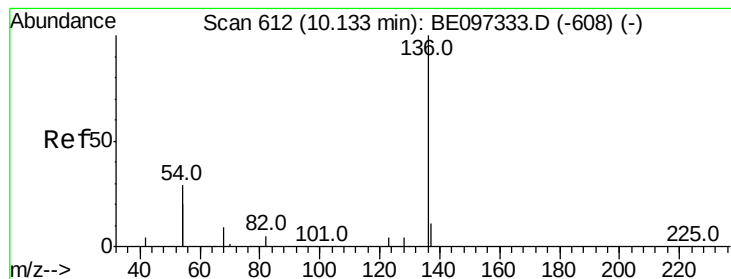
Ion Ratio Lower Upper

93 100

63 338.1 275.3 412.9

95 38.2 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4545

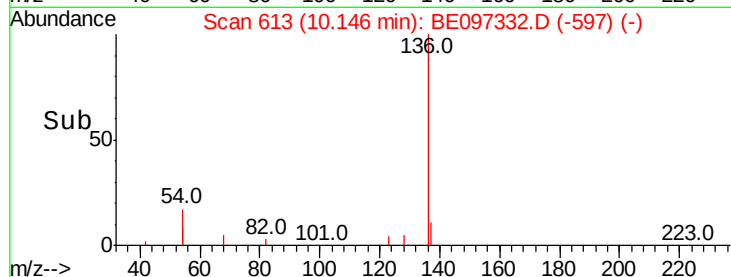
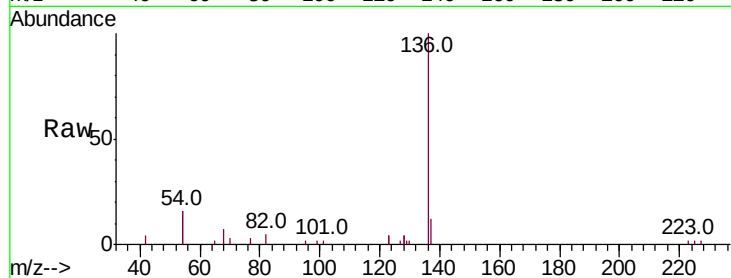
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 32.4 29.1 43.7

68 6.7 6.2 9.2

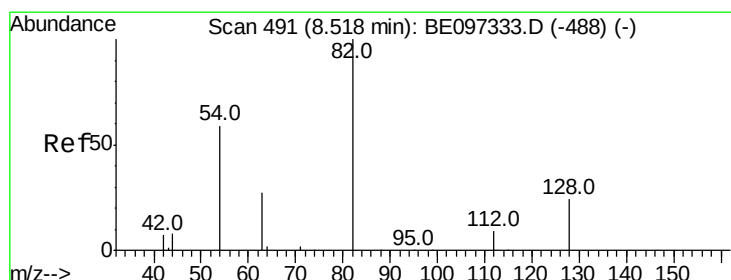
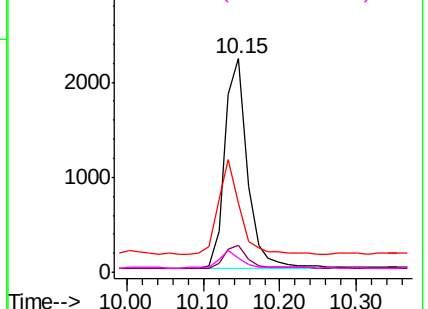


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.083 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

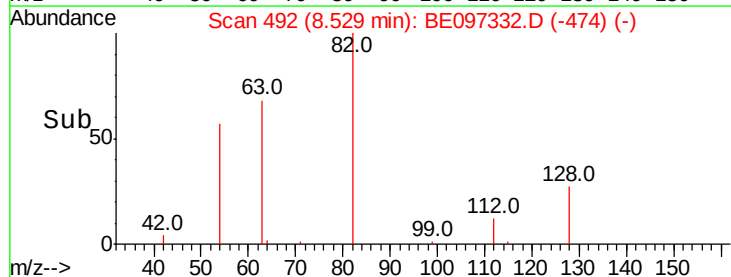
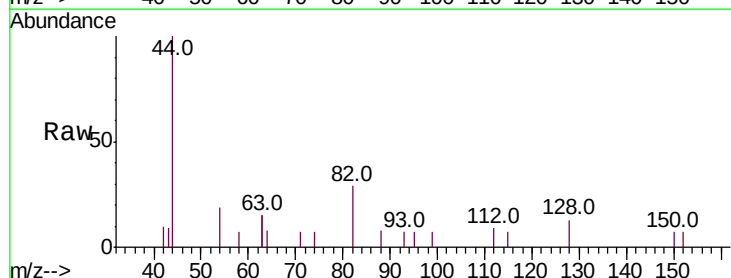
Tgt Ion: 82 Resp: 347

Ion Ratio Lower Upper

82 100

128 45.9 24.0 36.0#

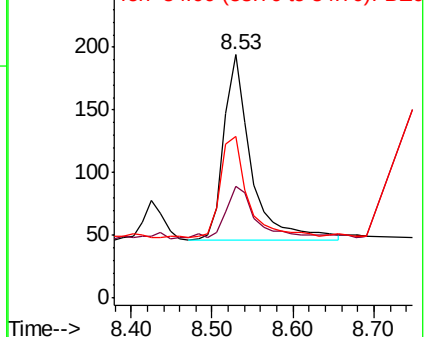
54 66.5 40.0 60.0#

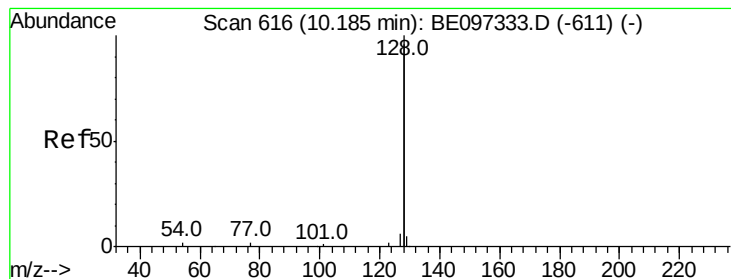


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.190 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampled :

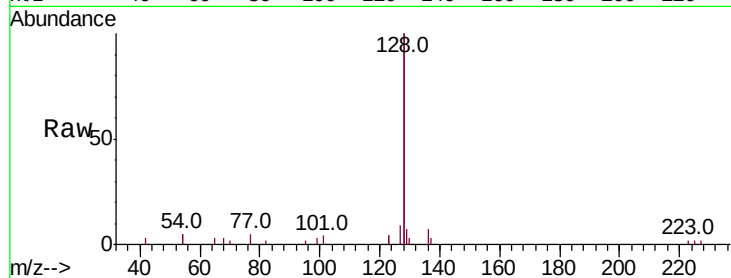
Tot Ion:128 Resp: 8073

Ion Ratio Lower Upper

128 100

129 3.7 2.6 3.8

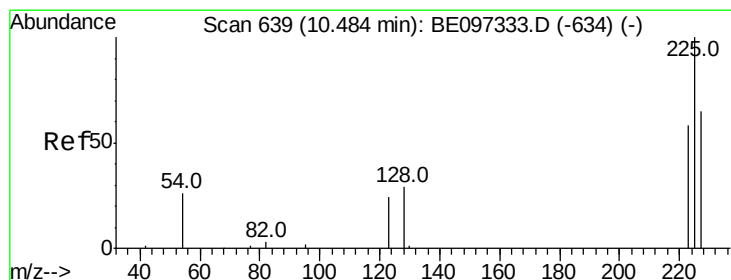
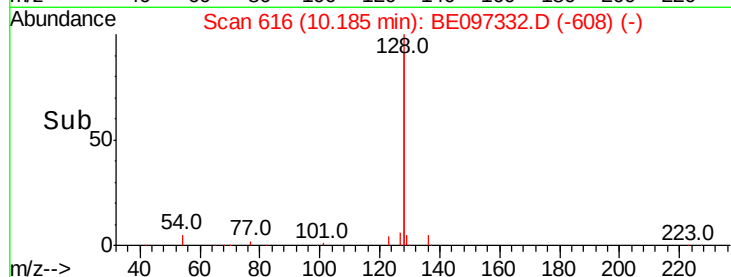
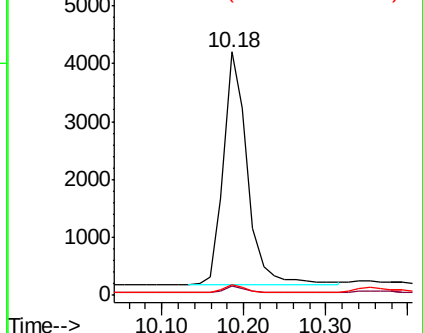
127 4.3 2.8 4.2#



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: 0.190 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

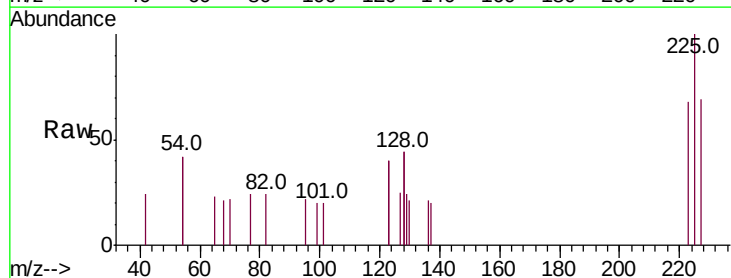
Tgt Ion:225 Resp: 364

Ion Ratio Lower Upper

225 100

223 66.5 53.0 79.6

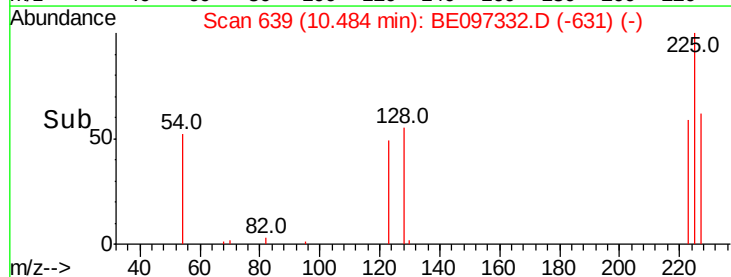
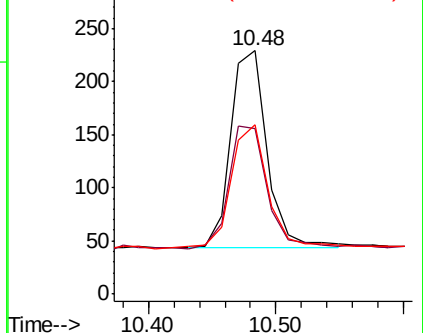
227 62.6 51.4 77.2

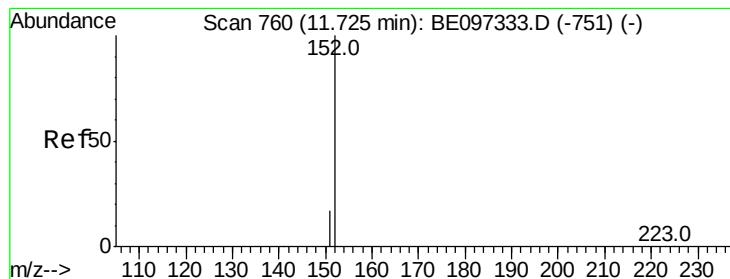


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.178 ng

RT: 11.73 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

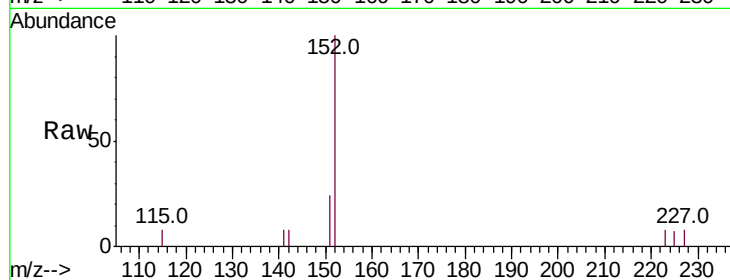
ClientSampleId :

Tot Ion:152 Resp: 1176

Ion Ratio Lower Upper

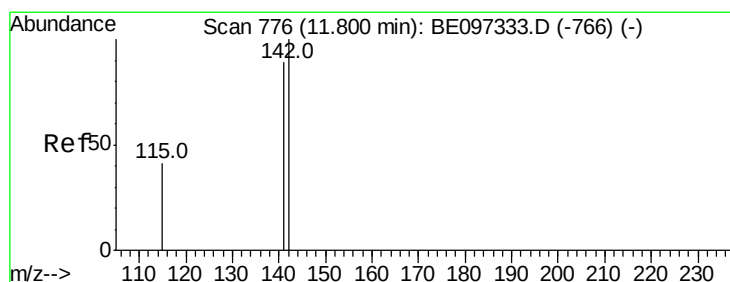
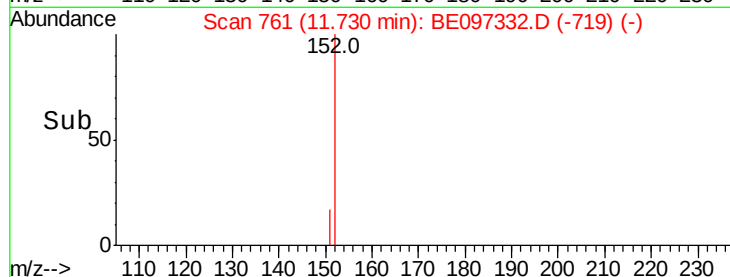
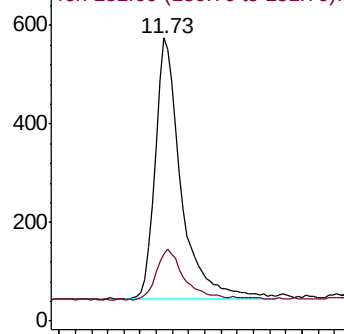
152 100

151 20.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.161 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

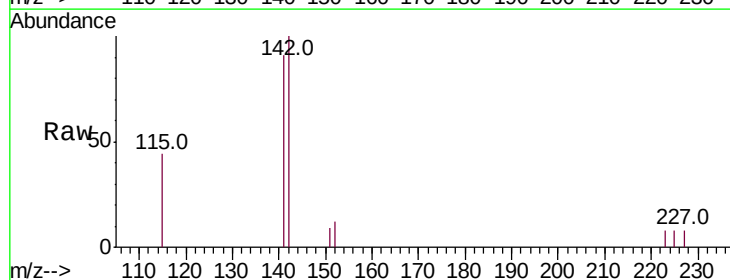
Tgt Ion:142 Resp: 1122

Ion Ratio Lower Upper

142 100

141 90.8 70.4 105.6

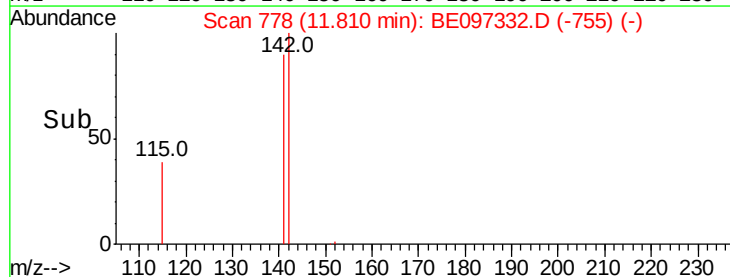
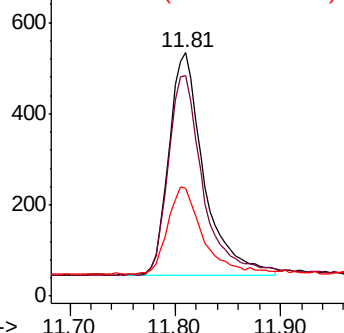
115 44.4 31.7 47.5

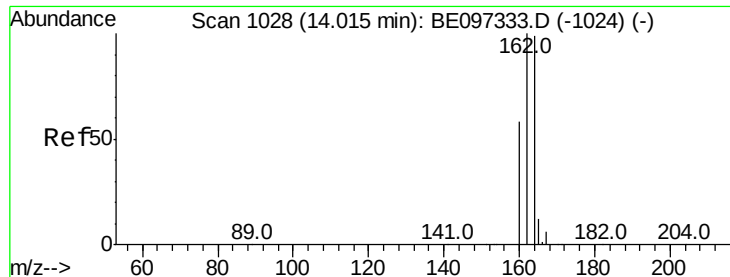


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

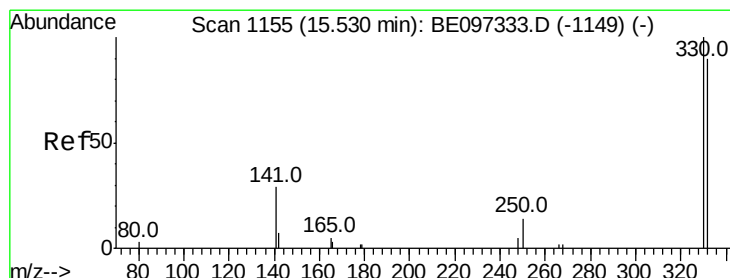
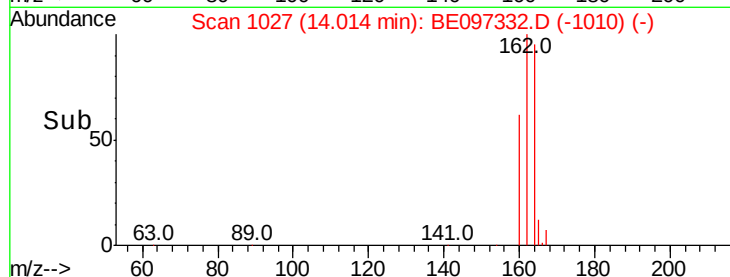
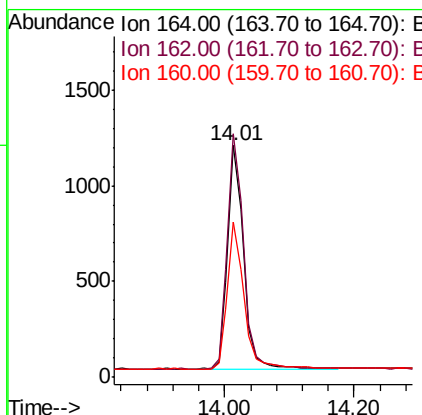
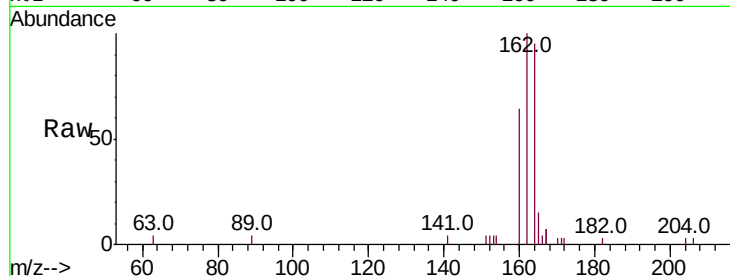




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

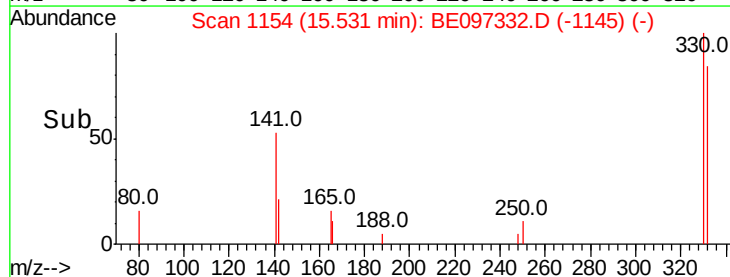
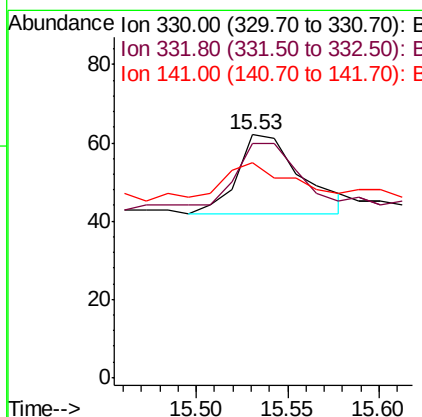
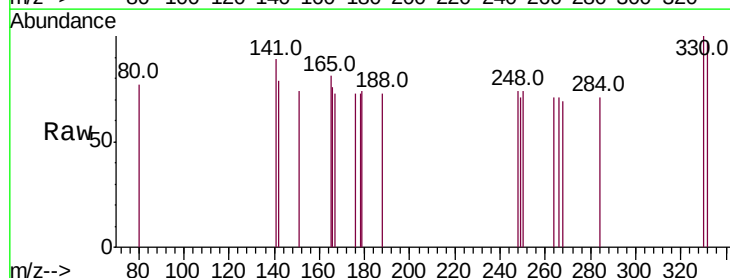
Instrument :
 BNA_E
 ClientSampleId :

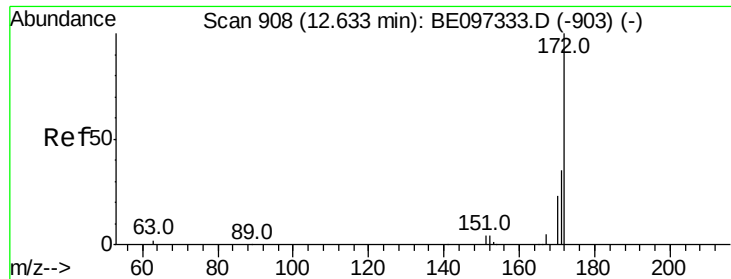
Tot Ion:164 Resp: 1988
 Ion Ratio Lower Upper
 164 100
 162 105.1 83.1 124.7
 160 67.0 37.1 55.7#



#14
 2,4,6-Tribromophenol
 Concen: 0.072 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

Tgt Ion:330 Resp: 48
 Ion Ratio Lower Upper
 330 100
 332 89.6 152.7 229.1#
 141 58.3 33.7 50.5#

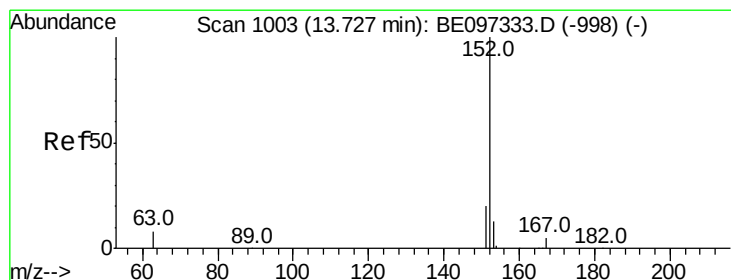
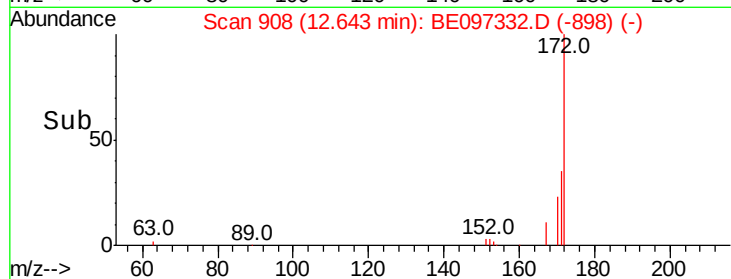
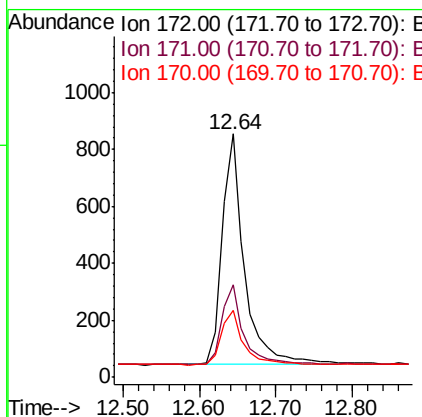
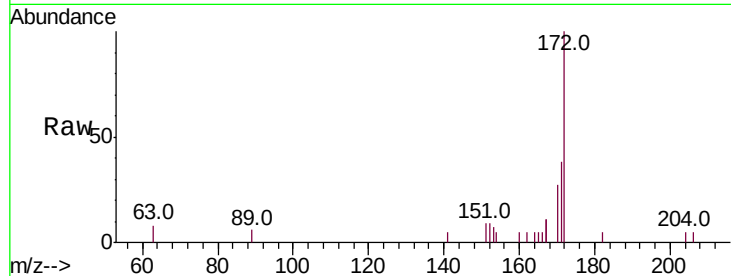




#15
2-Fluorobiphenyl
Concen: 0.223 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.01 min
Lab File: BE097332.D
Acq: 20 Aug 2018 14:51

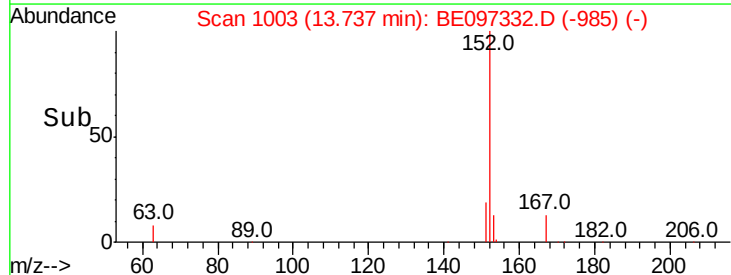
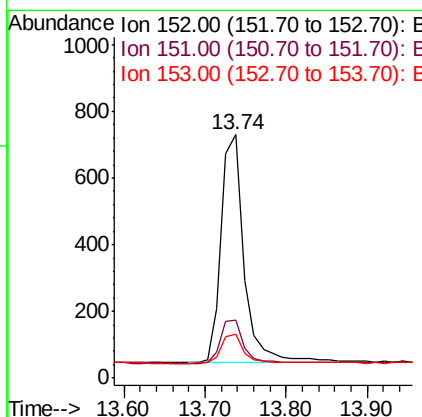
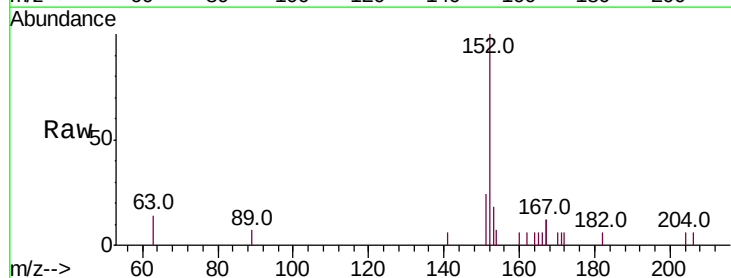
Instrument :
BNA_E
ClientSampled :

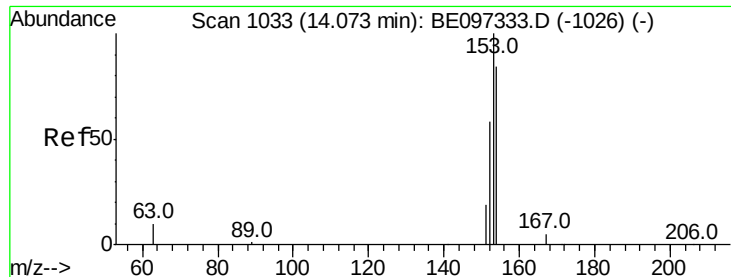
Tot Ion:172 Resp: 1667
Ion Ratio Lower Upper
172 100
171 38.2 29.9 44.9
170 27.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.148 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097332.D
Acq: 20 Aug 2018 14:51

Tgt Ion:152 Resp: 1356
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.194 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

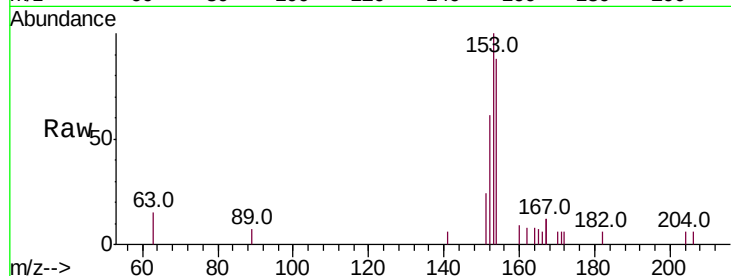
Tot Ion:154 Resp: 1021

Ion Ratio Lower Upper

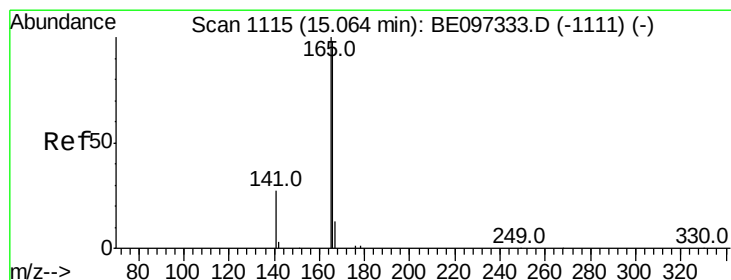
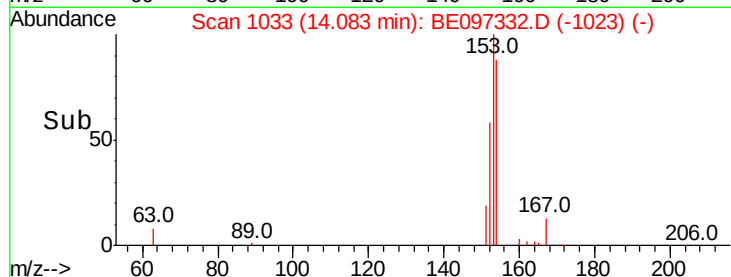
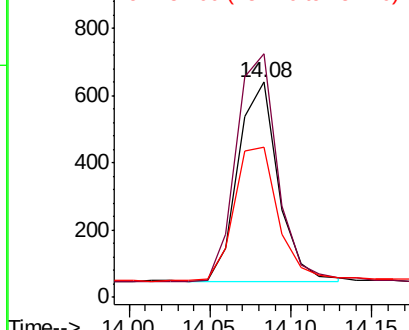
154 100

153 118.2 89.2 133.8

152 75.5 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: 0.191 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

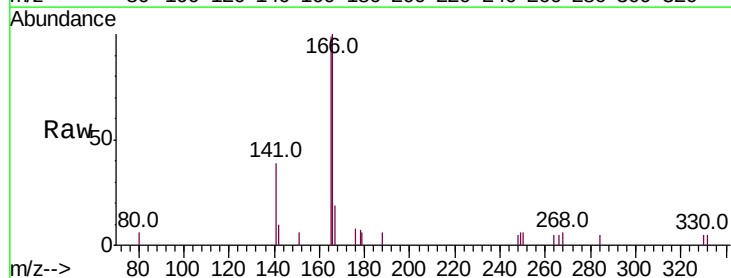
Tgt Ion:166 Resp: 1250

Ion Ratio Lower Upper

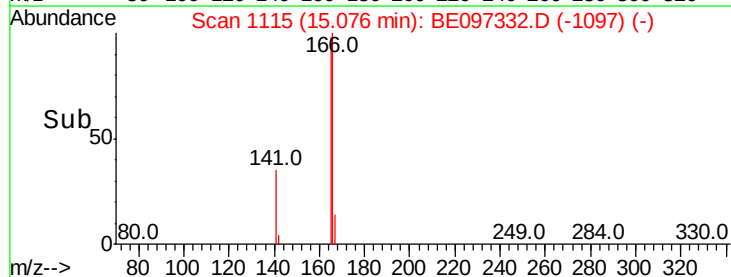
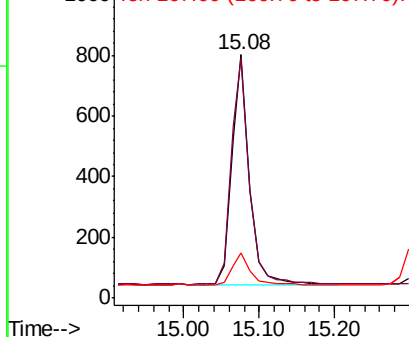
166 100

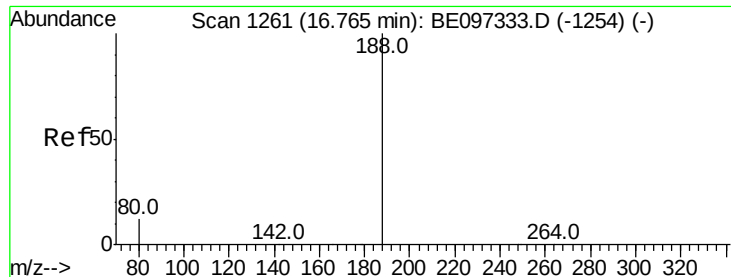
165 101.5 77.8 116.6

167 14.1 42.4 63.6#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

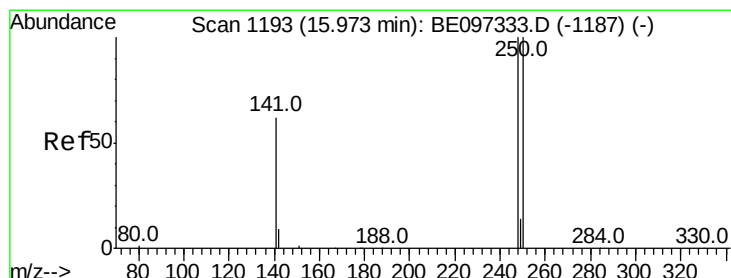
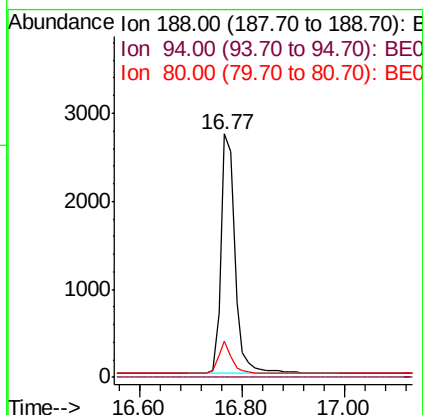
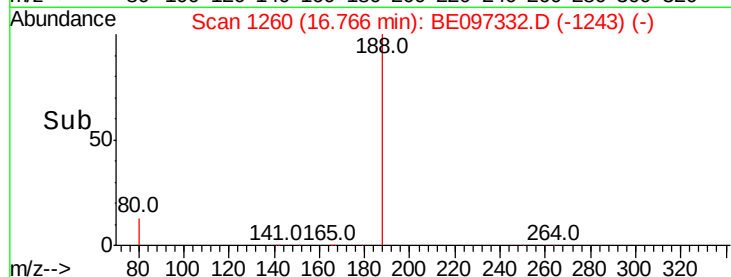
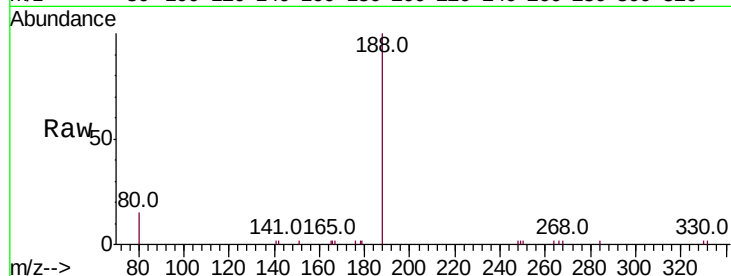
Tot Ion:188 Resp: 5212

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 15.1 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.151 ng

RT: 15.97 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

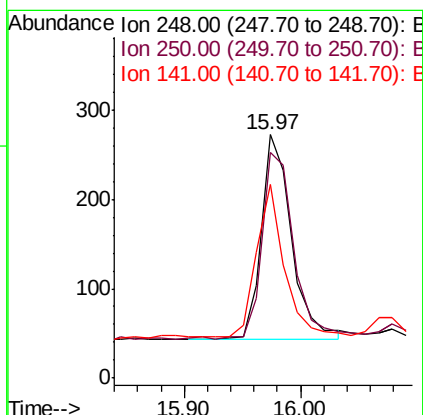
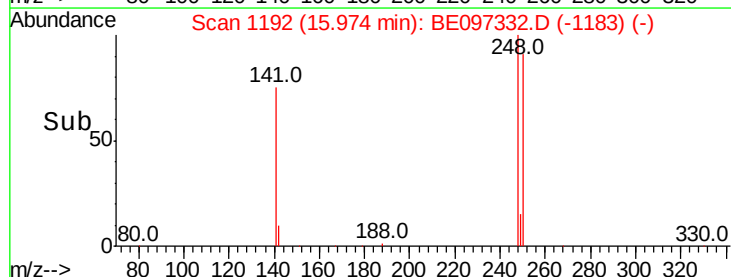
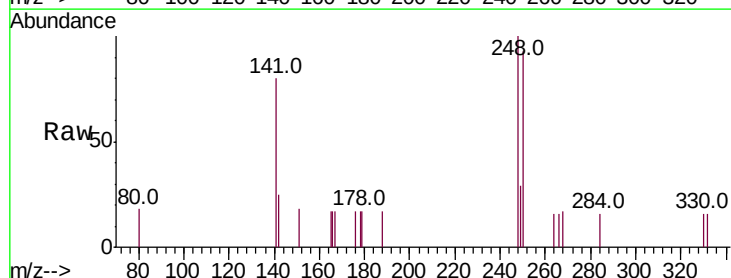
Tgt Ion:248 Resp: 410

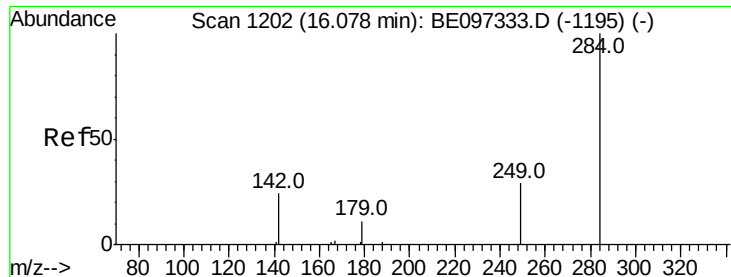
Ion Ratio Lower Upper

248 100

250 93.0 62.7 94.1

141 79.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.200 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

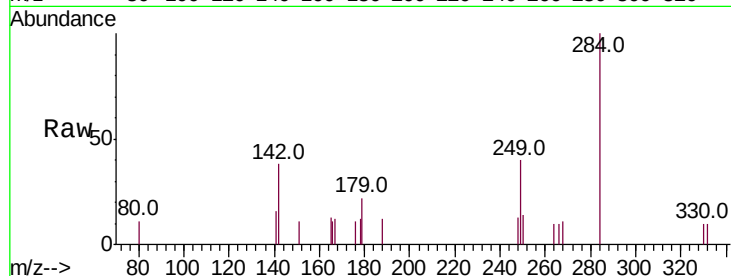
Tot Ion:284 Resp: 618

Ion Ratio Lower Upper

284 100

142 33.8 22.1 33.1#

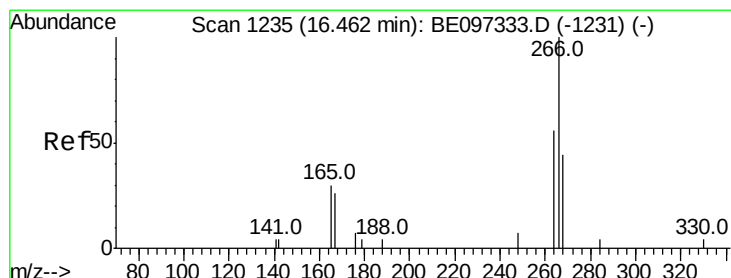
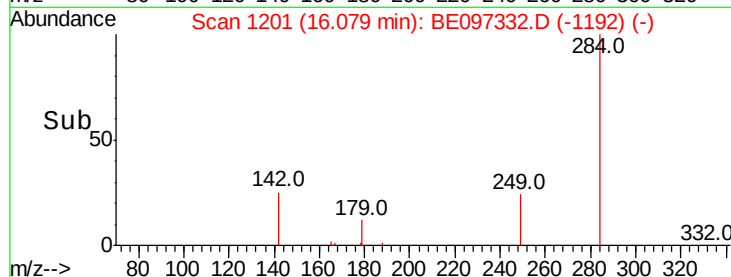
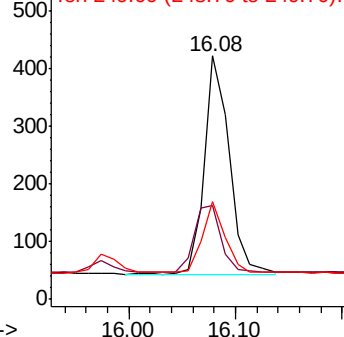
249 29.3 34.8 52.2#



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: 0.042 ng

RT: 16.46 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

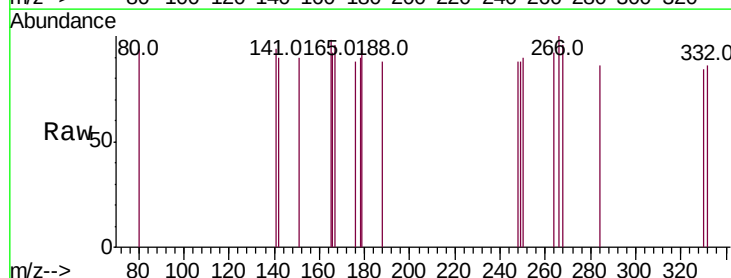
Tgt Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

264 92.2 72.5 108.7

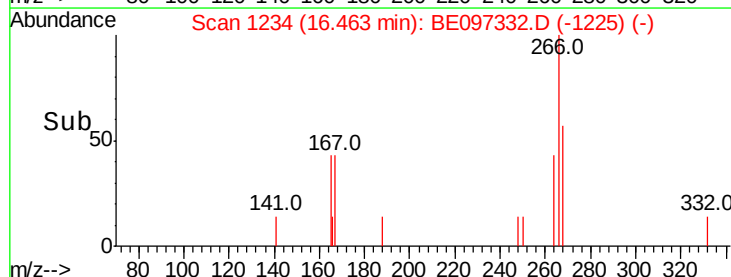
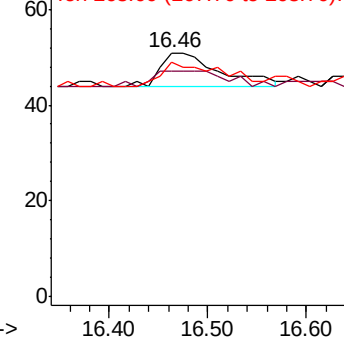
268 96.1 73.8 110.6

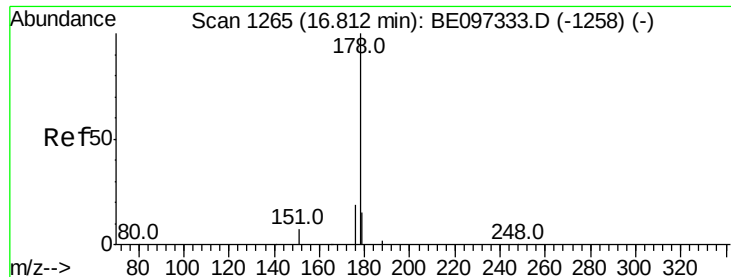


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.192 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

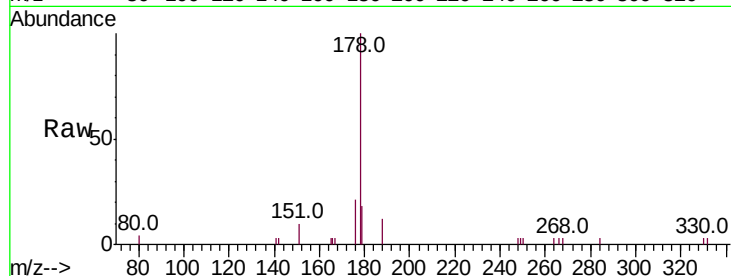
Tot Ion:178 Resp: 2421

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

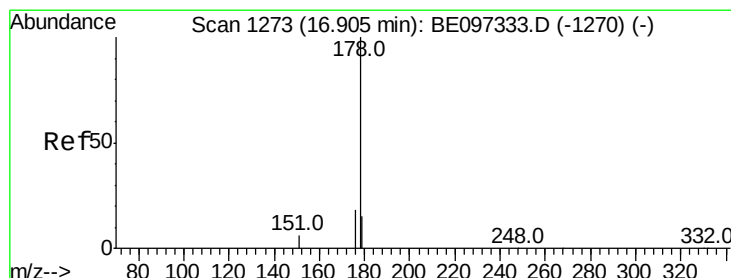
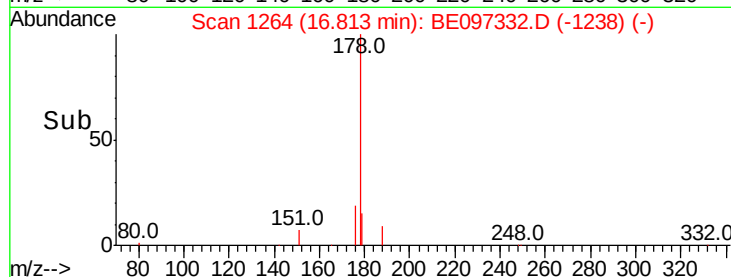
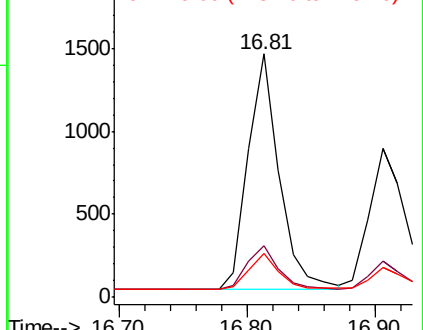
179 15.5 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.146 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

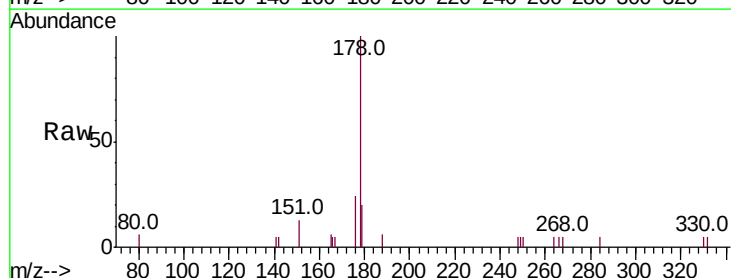
Tgt Ion:178 Resp: 1647

Ion Ratio Lower Upper

178 100

176 19.7 12.8 19.2#

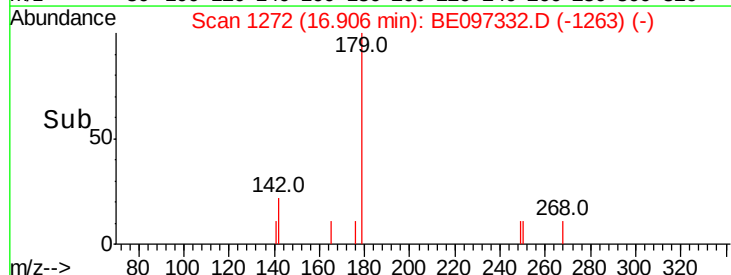
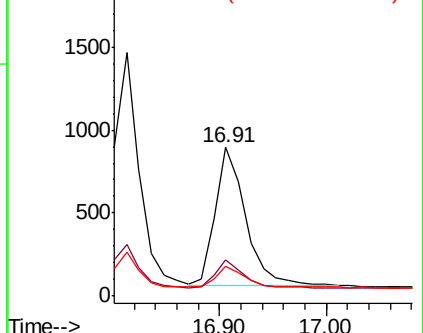
179 14.2 13.0 19.6

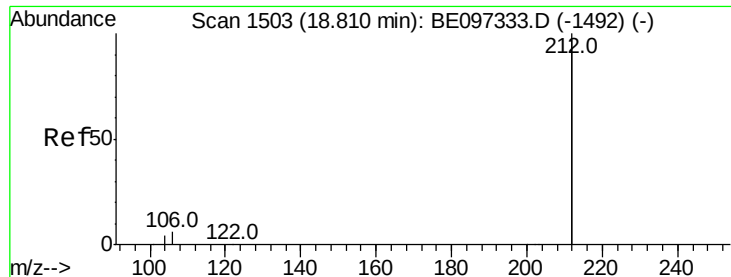


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.163 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BE097332.D

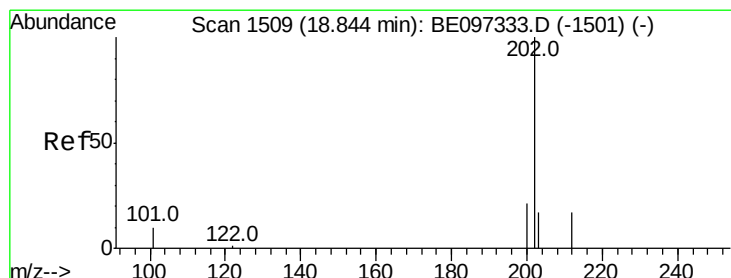
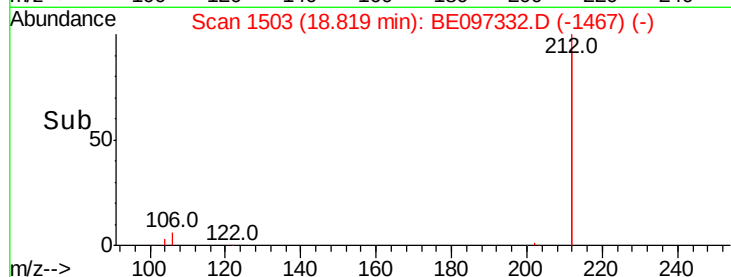
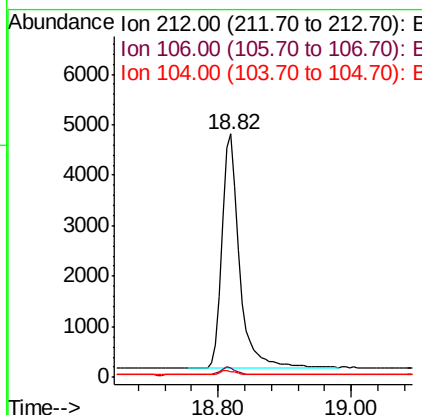
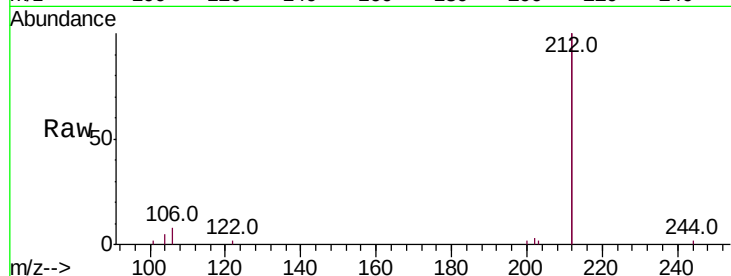
Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	8500
Ion Ratio	Lower	Upper
212 100		
106 3.2	2.8	4.2
104 2.0	1.6	2.4



#26

Fluoranthene

Concen: 0.152 ng

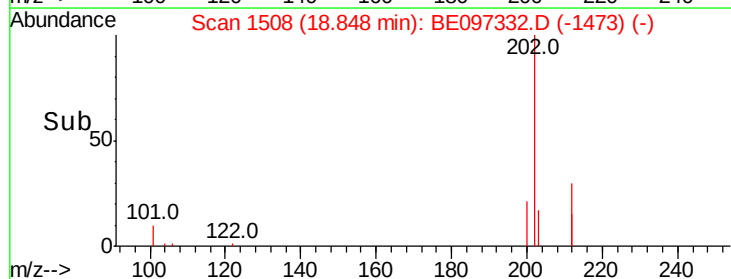
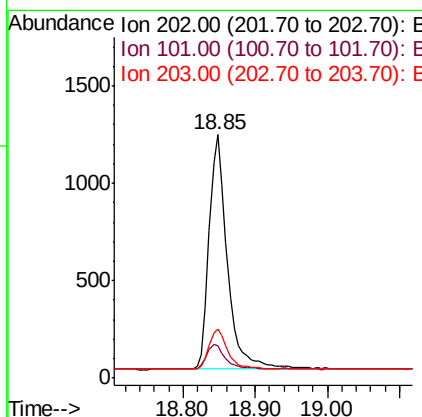
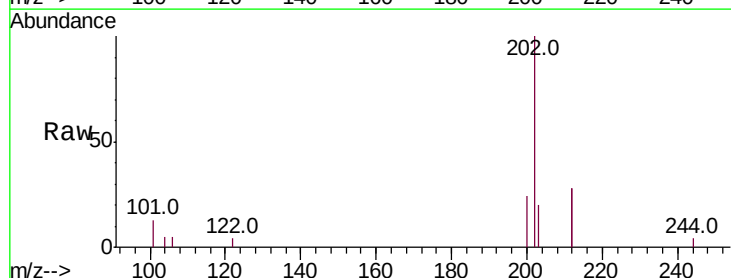
RT: 18.85 min Scan# 1508

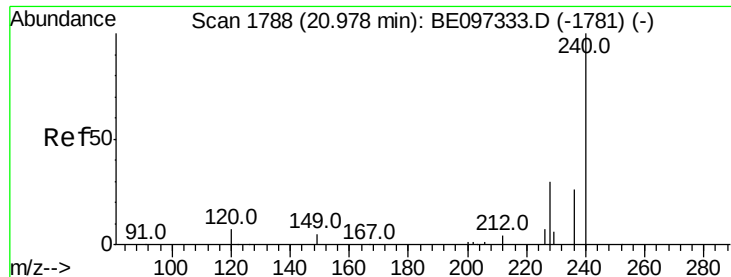
Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Tgt Ion:202	Resp:	2122
Ion Ratio	Lower	Upper
202 100		
101 11.0	9.8	14.8
203 17.1	13.7	20.5

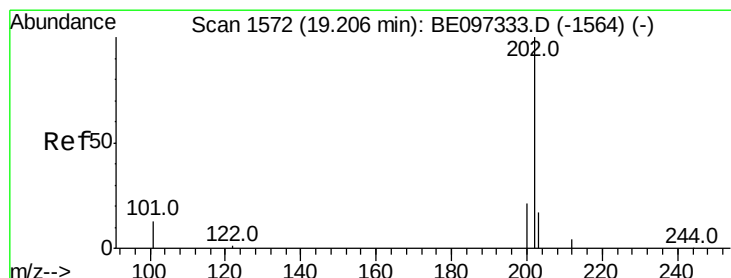
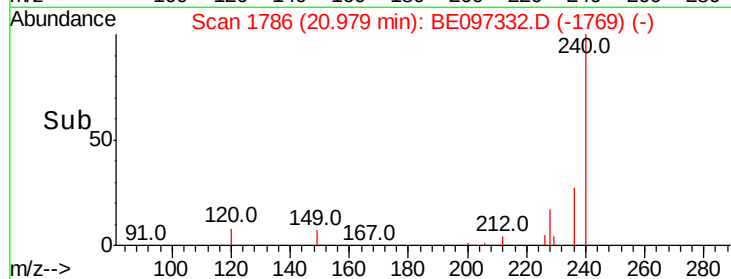
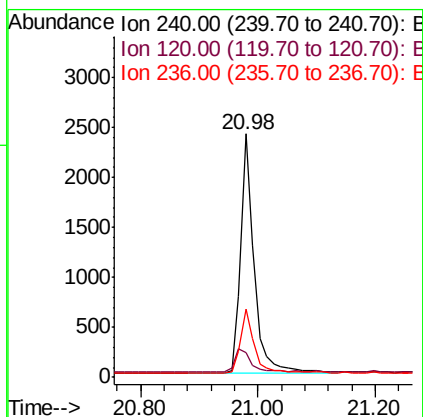
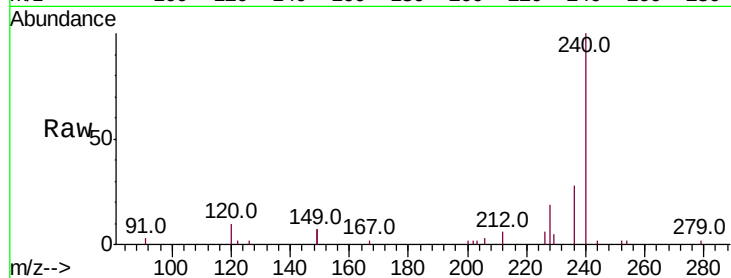




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

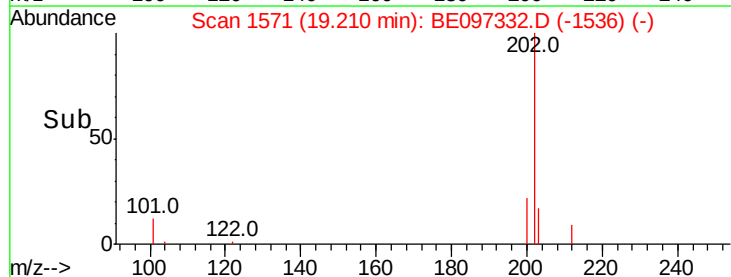
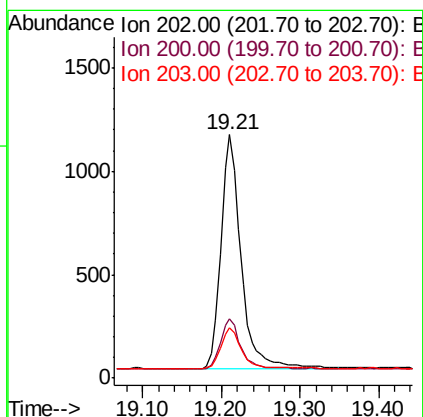
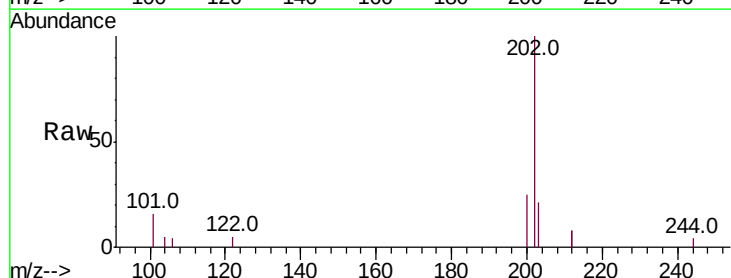
Instrument :
 BNA_E
 ClientSampleId :

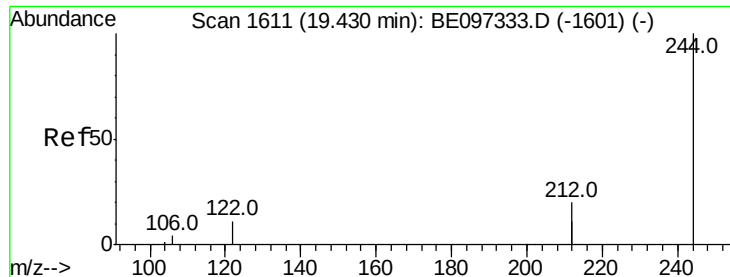
Tot Ion:240 Resp: 3856
 Ion Ratio Lower Upper
 240 100
 120 10.1 5.5 8.3#
 236 28.0 20.7 31.1



#28
 Pyrene
 Concen: 0.194 ng
 RT: 19.21 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

Tgt Ion:202 Resp: 2012
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 25.0
 203 17.4 13.8 20.8

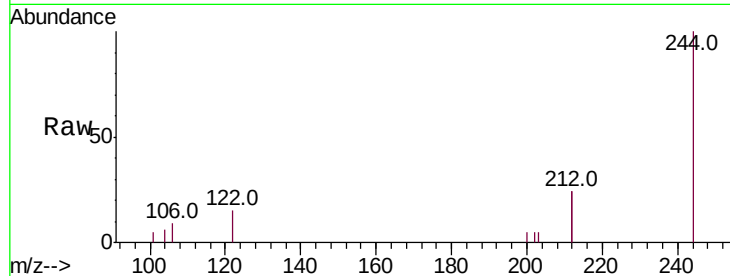




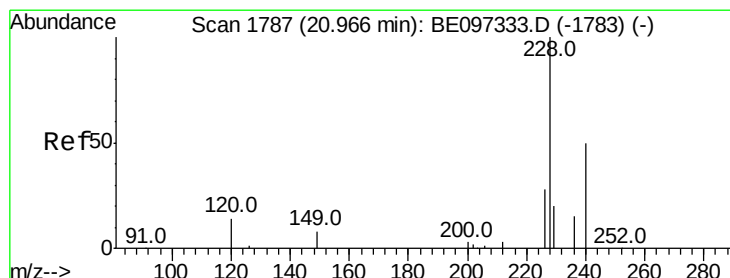
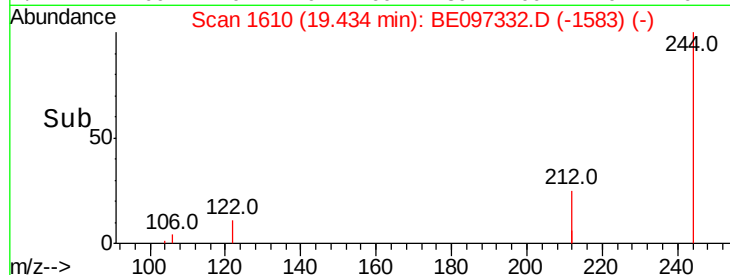
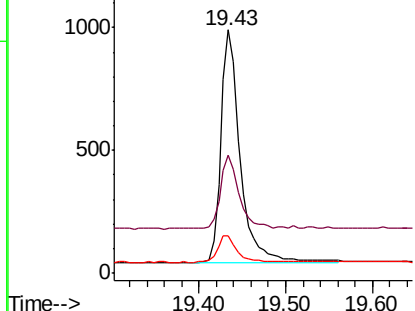
#29
 Terphenyl-d14
 Concen: 0.204 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:244 Resp: 1480
 Ion Ratio Lower Upper
 244 100
 212 48.6 25.4 38.0#
 122 15.1 8.1 12.1#

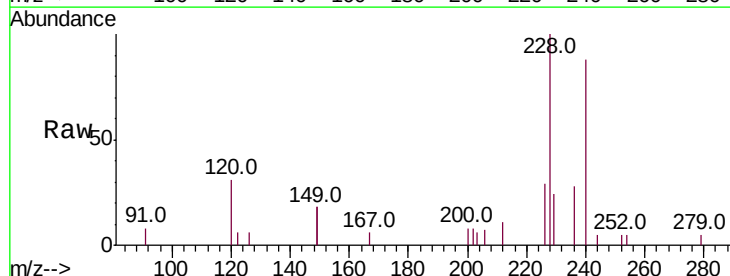


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

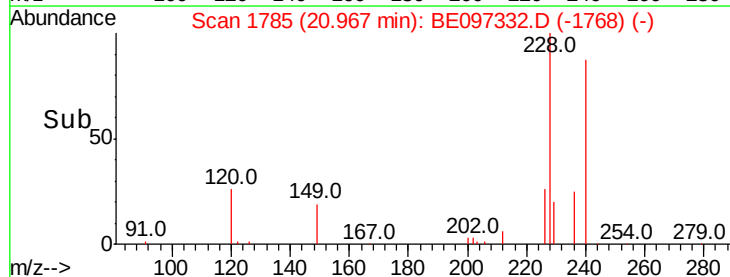
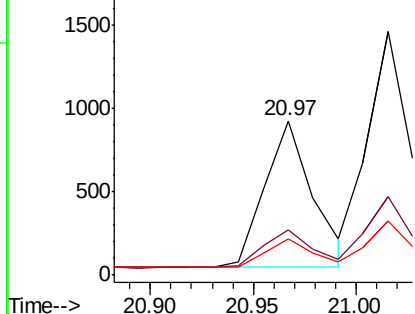


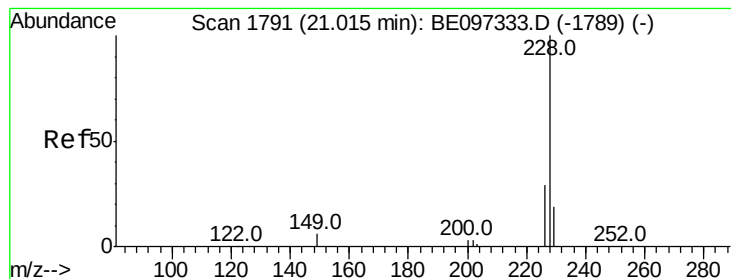
#30
 Benzo(a)anthracene
 Concen: 0.149 ng
 RT: 20.97 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BE097332.D
 Acq: 20 Aug 2018 14:51

Tgt Ion:228 Resp: 1442
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.0 36.0
 229 23.7 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





#31

Chrysene

Concen: 0.216 ng

RT: 21.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

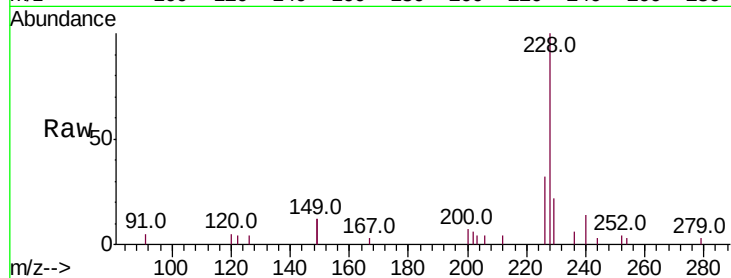
Tot Ion:228 Resp: 2140

Ion Ratio Lower Upper

228 100

226 32.3 24.0 36.0

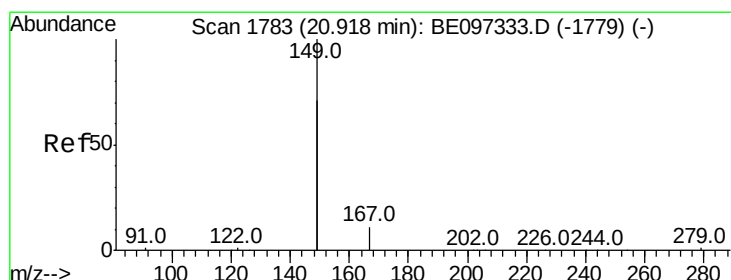
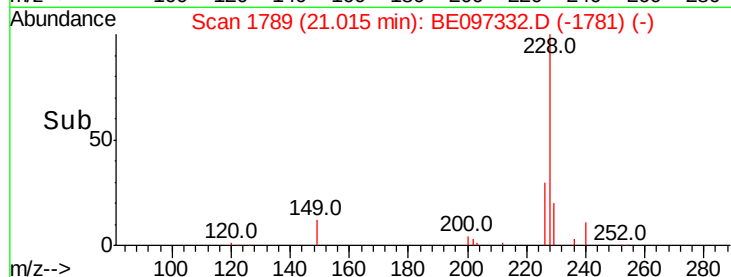
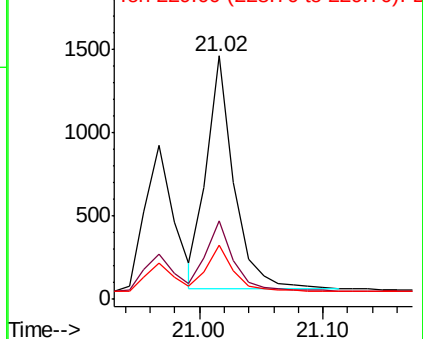
229 22.1 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 20.92 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

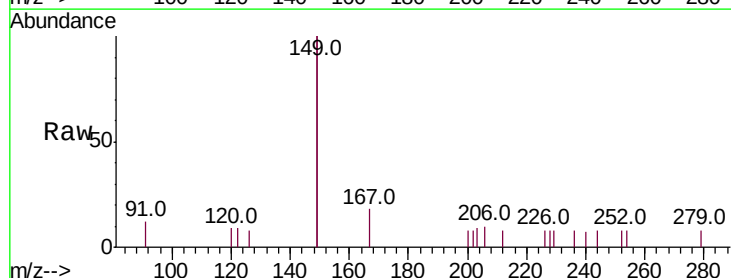
Tgt Ion:149 Resp: 1090

Ion Ratio Lower Upper

149 100

167 5.7 5.4 8.0

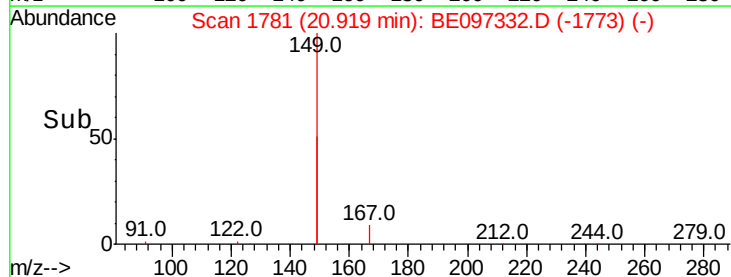
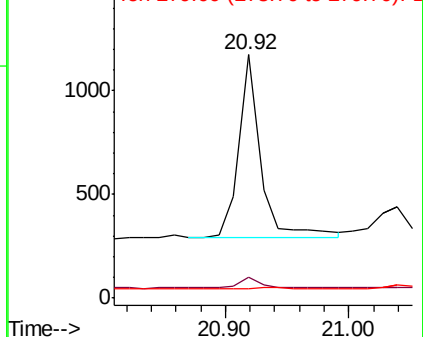
279 1.7 0.7 1.1#

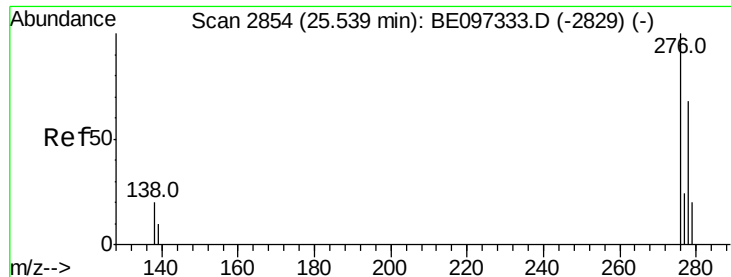


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.123 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

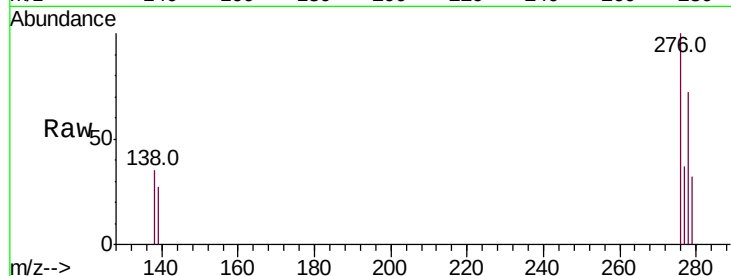
Tot Ion:276 Resp: 1312

Ion Ratio Lower Upper

276 100

138 17.7 22.5 33.7#

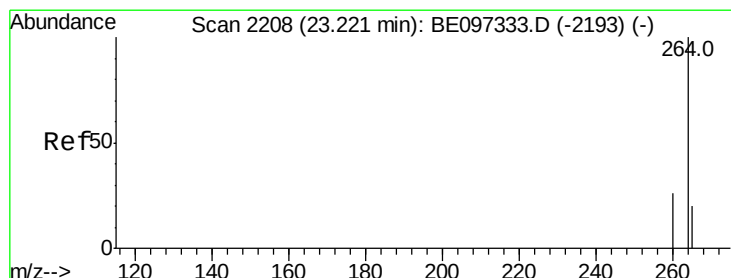
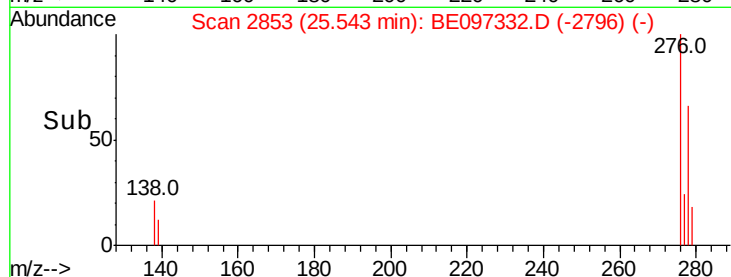
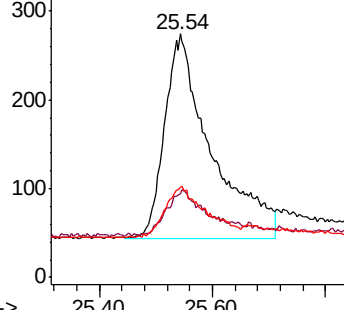
277 22.3 19.9 29.9



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: 23.22 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

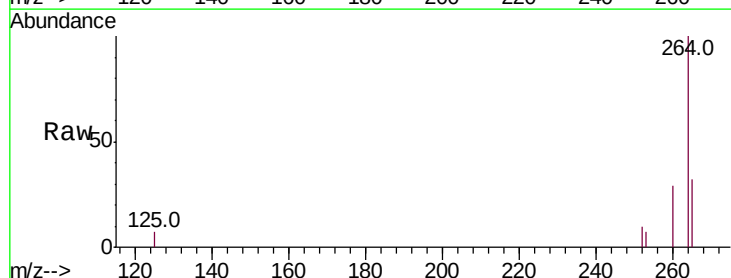
Tgt Ion:264 Resp: 2857

Ion Ratio Lower Upper

264 100

260 29.1 20.5 30.7

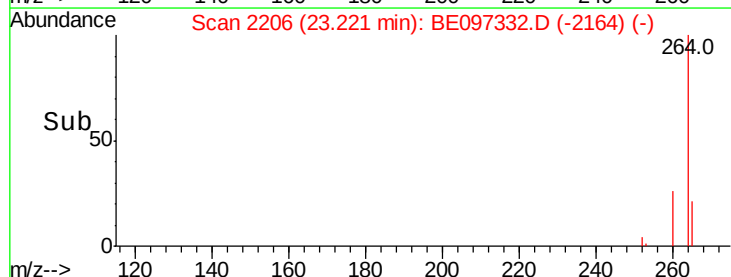
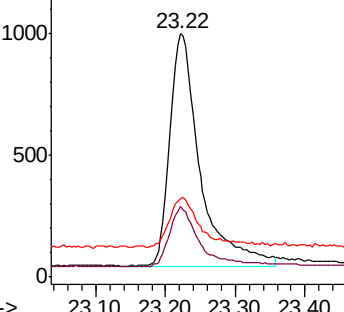
265 32.3 22.8 34.2

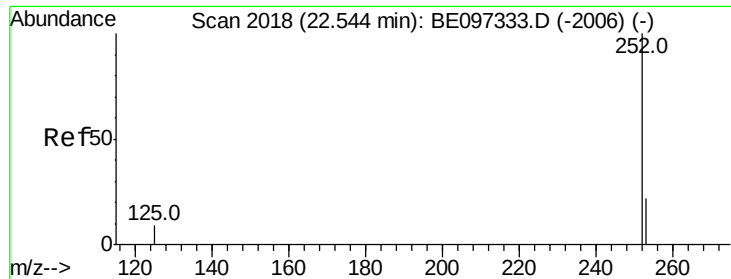


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.194 ng

RT: 22.54 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

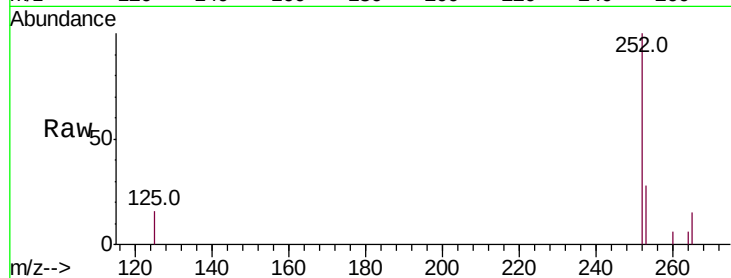
Tot Ion:252 Resp: 1376

Ion Ratio Lower Upper

252 100

253 27.5 20.0 30.0

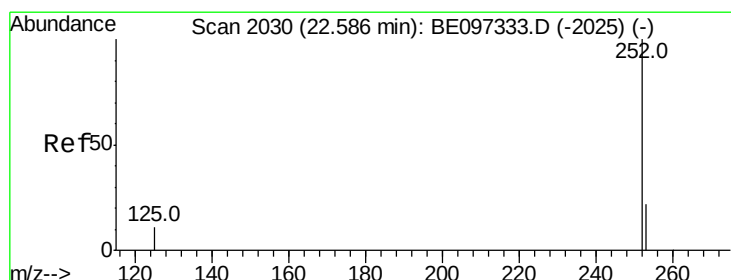
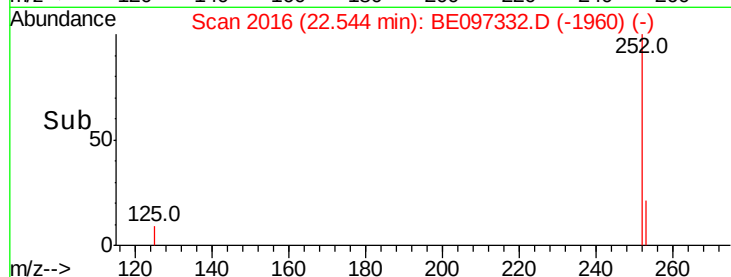
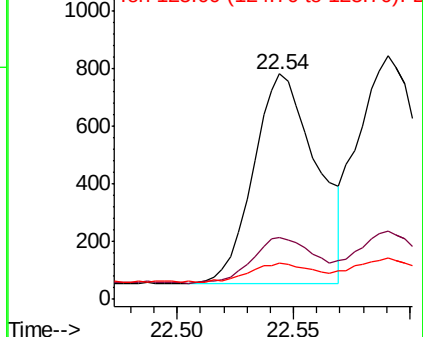
125 16.4 16.0 24.0



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: 0.221 ng

RT: 22.59 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

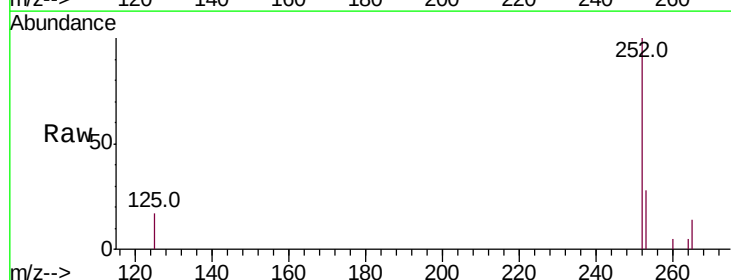
Tgt Ion:252 Resp: 1913

Ion Ratio Lower Upper

252 100

253 27.8 16.0 24.0#

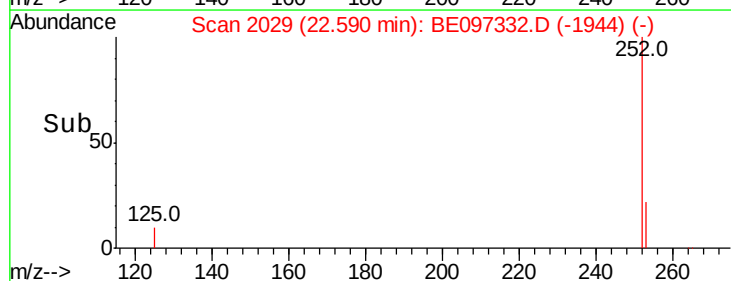
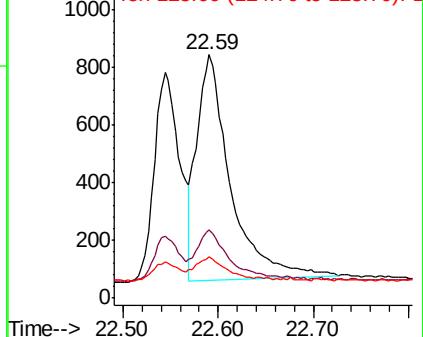
125 17.2 8.0 12.0#

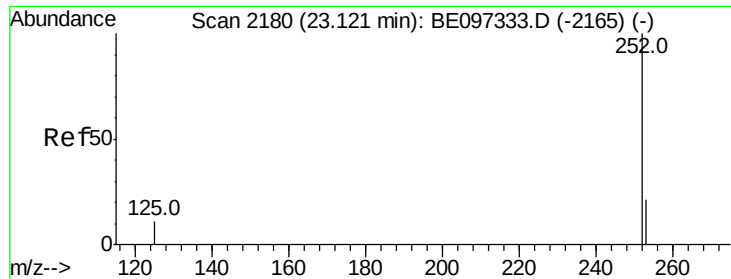


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.164 ng

RT: 23.13 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

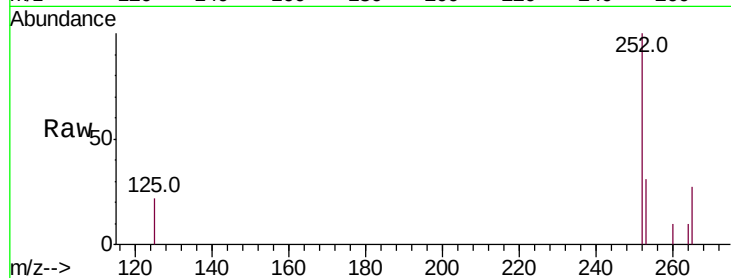
Tot Ion:252 Resp: 1169

Ion Ratio Lower Upper

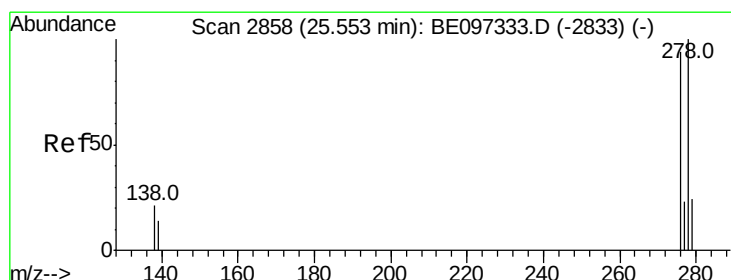
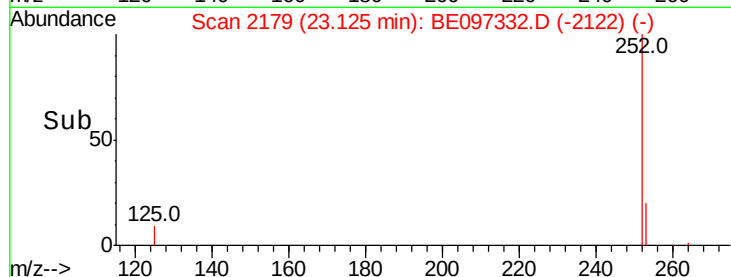
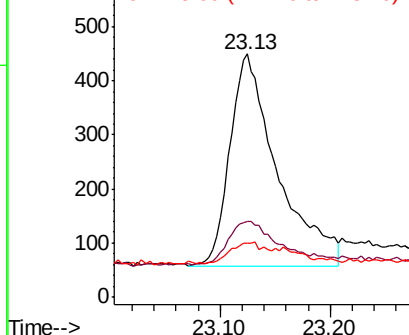
252 100

253 31.1 16.0 24.0#

125 22.0 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: 0.124 ng

RT: 25.55 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

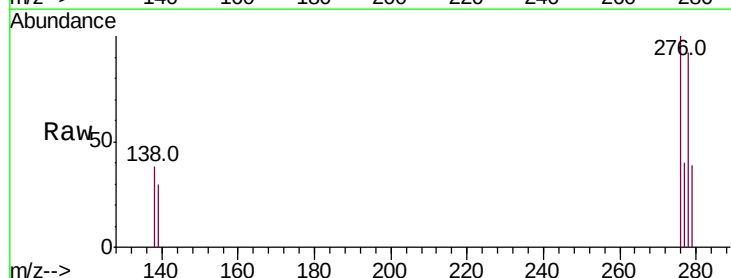
Tgt Ion:278 Resp: 875

Ion Ratio Lower Upper

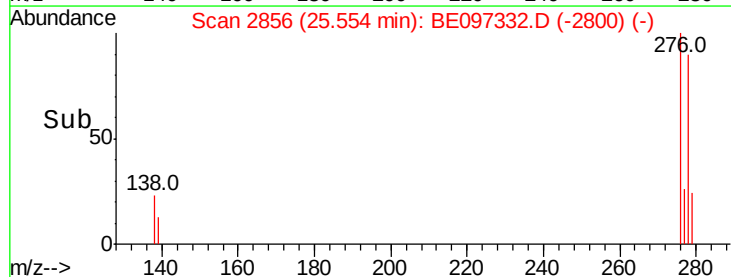
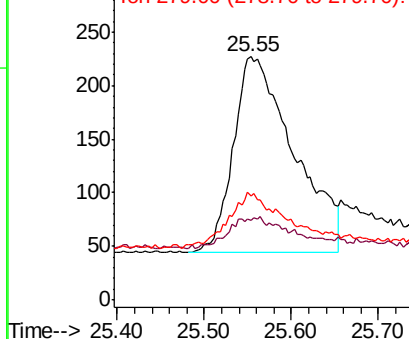
278 100

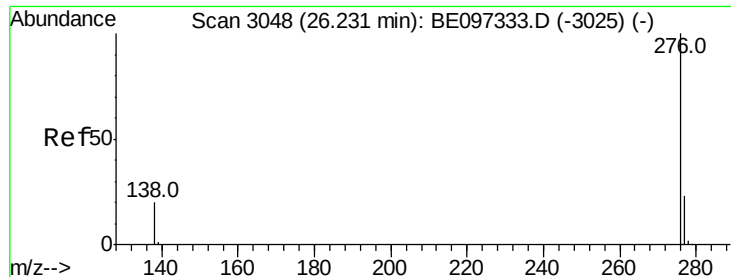
139 32.6 16.0 24.0#

279 42.7 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: 0.129 ng

RT: 26.24 min Scan# 3048

Delta R.T. 0.01 min

Lab File: BE097332.D

Acq: 20 Aug 2018 14:51

Instrument :

BNA_E

ClientSampleId :

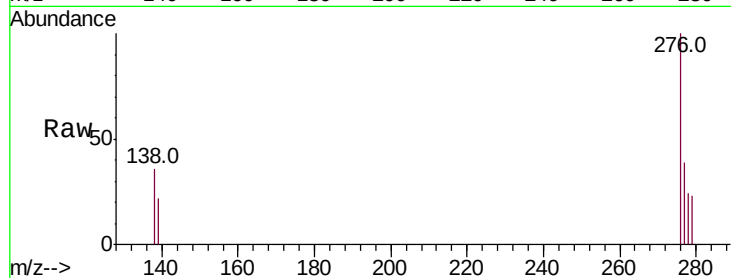
Tot Ion:276 Resp: 919

Ion Ratio Lower Upper

276 100

277 39.1 16.0 24.0#

138 35.6 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

26.24

200

150

100

50

0

26.10 26.20 26.30

Time-->

