

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097557.D
 Acq On : 20 Sep 2018 1:34
 Operator : SJ/JU
 Sample : J4958-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-AOC22-MW03-20180915

Quant Time: Sep 20 05:11:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	955	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	5365	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	4569	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7948	0.40	ng	0.00
27) Chrysene-d12	20.97	240	10392	0.40	ng	0.00
34) Perylene-d12	23.21	264	9746	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	622	0.22	ng	0.01
5) Phenol-d6	6.59	99	521	0.14	ng	0.00
8) Nitrobenzene-d5	8.51	82	1546	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	11.71	152	3931	0.53	ng	-0.01
14) 2,4,6-Tribromophenol	15.53	330	831	0.46	ng	0.00
15) 2-Fluorobiphenyl	12.61	172	8340	0.52	ng	-0.02
25) Fluoranthene-d10	18.80	212	38303	0.38	ng	0.00
29) Terphenyl-d14	19.42	244	9976	0.52	ng	0.00

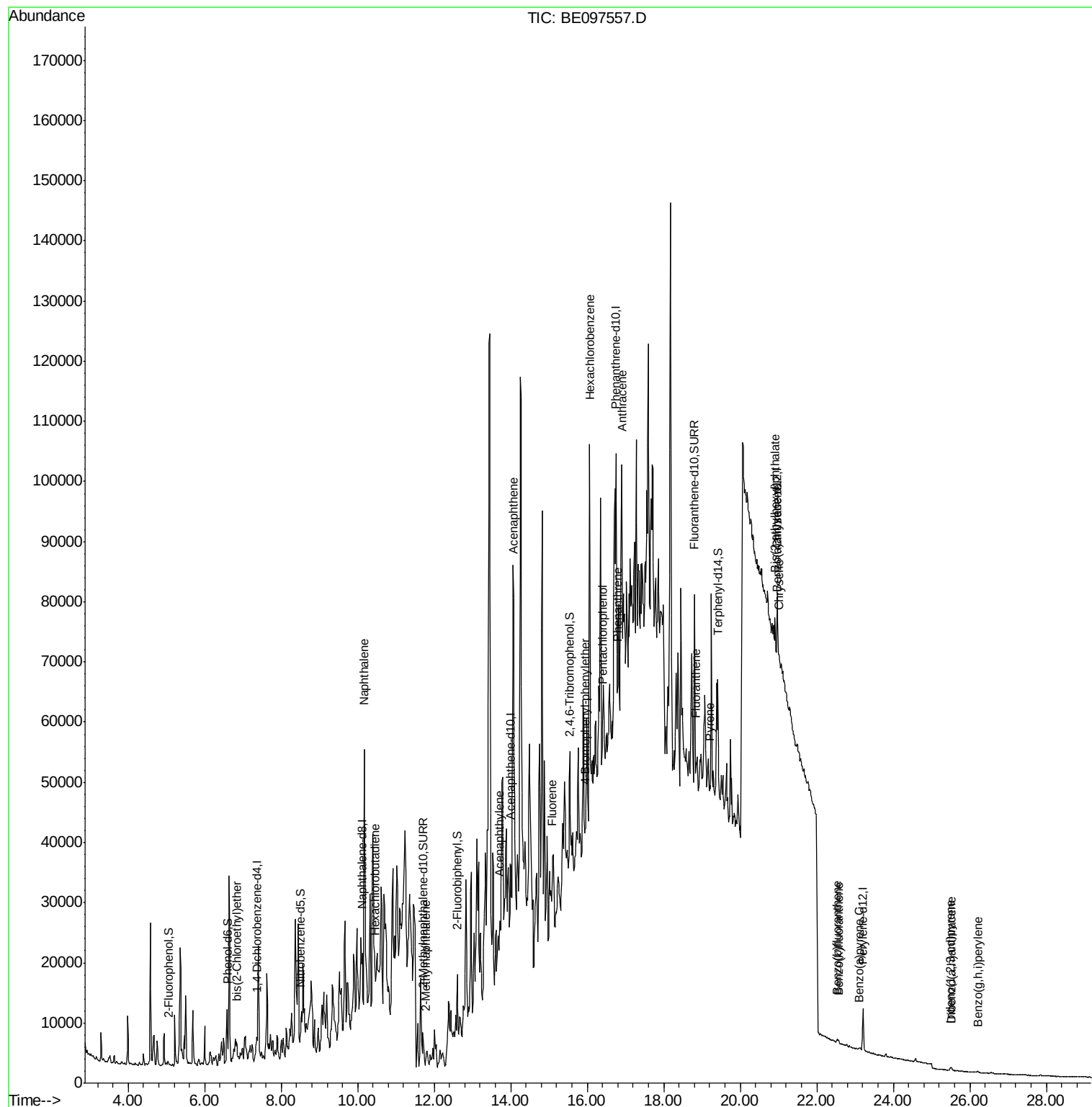
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	45	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.85	93	218	0.064	ng	# 1
9) Naphthalene	10.17	128	61802	1.279	ng	# 97
10) Hexachlorobutadiene	10.46	225	41	0.018	ng	# 98
12) 2-Methylnaphthalene	11.78	142	422	0.056	ng	# 1
16) Acenaphthylene	13.72	152	466	0.026	ng	# 61
17) Acenaphthene	14.07	154	1101	0.091	ng	# 65
18) Fluorene	15.09	166	9227	0.584	ng	# 33
20) 4-Bromophenyl-phenylether	15.95	248	147	0.041	ng	# 1
21) Hexachlorobenzene	16.07	284	76	0.019	ng	# 43
22) Pentachlorophenol	16.40	266	9	0.135	ng	# 96
23) Phenanthrene	16.80	178	4408	0.234	ng	# 61
24) Anthracene	16.91	178	9291	0.557	ng	# 10
26) Fluoranthene	18.84	202	1782	0.068	ng	# 64
28) Pyrene	19.20	202	1984	0.084	ng	# 58
30) Benzo(a)anthracene	20.95	228	1066	0.041	ng	# 1
31) Chrysene	21.00	228	1051	0.037	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.91	149	7185	0.174	ng	# 80
33) Indeno(1,2,3-cd)pyrene	25.50	276	525	0.016	ng	# 84
35) Benzo(b)fluoranthene	22.53	252	611	0.024	ng	# 1
36) Benzo(k)fluoranthene	22.57	252	551	0.019	ng	# 1
37) Benzo(a)pyrene	23.11	252	568	0.043	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	451	0.017	ng	# 1
39) Benzo(g,h,i)perylene	26.20	276	472	0.019	ng	# 1

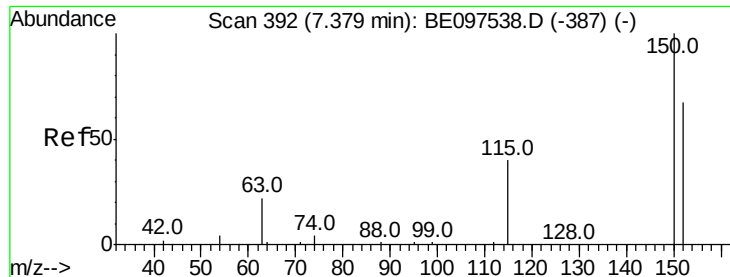
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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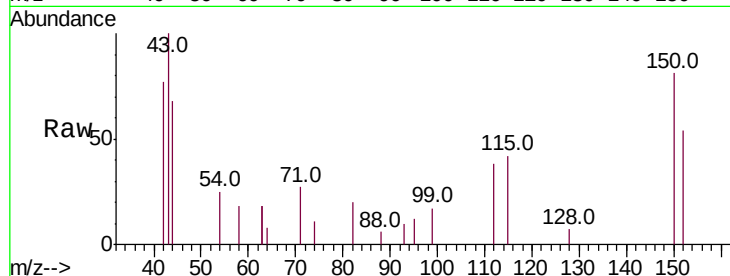


#1

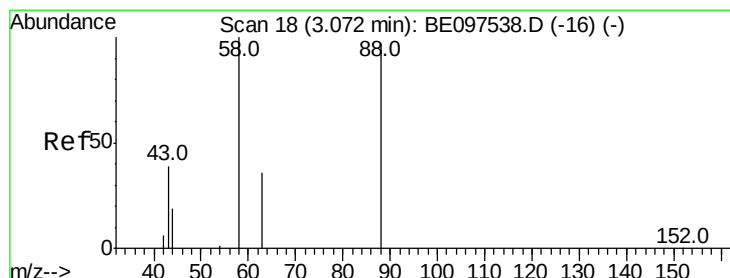
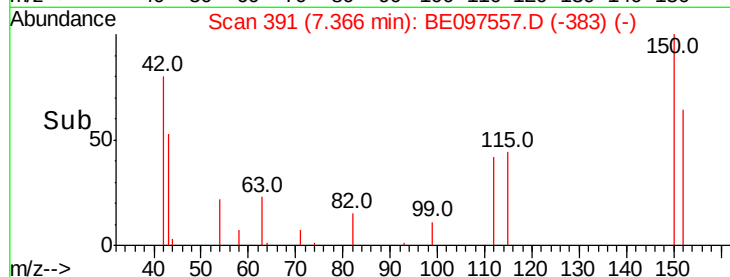
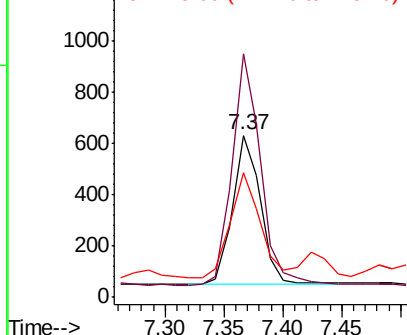
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Instrument :
BNA_E
ClientSampleId :
BP-AOC22-MW03-20180915

Tot Ion:152 Resp: 955
Ion Ratio Lower Upper
152 100
150 150.3 117.2 175.8
115 77.1 57.0 85.6



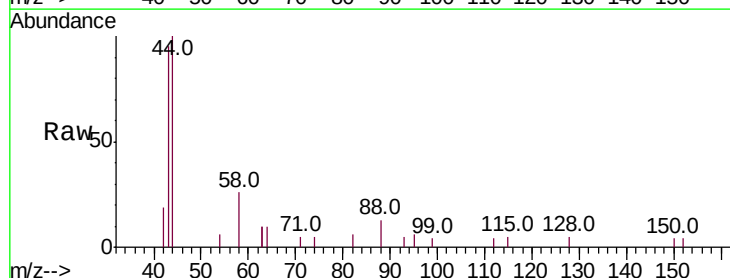
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



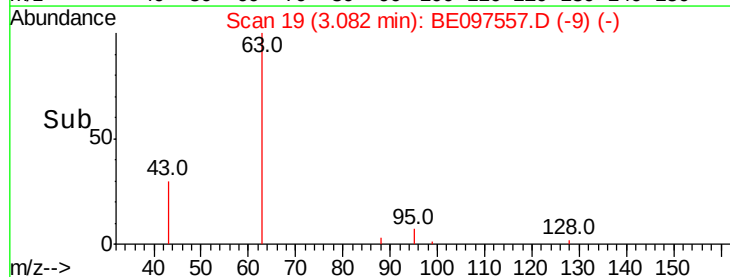
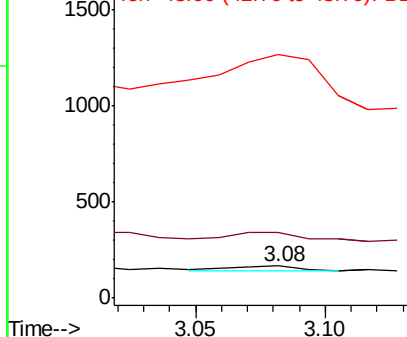
#2

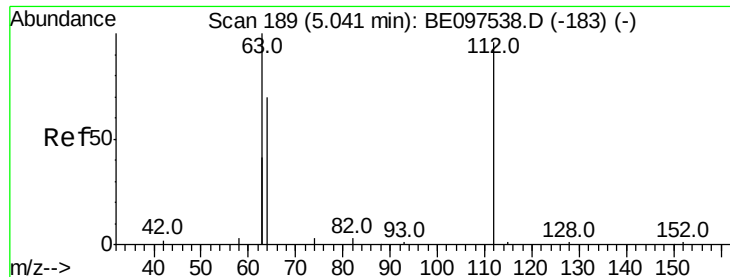
1,4-Dioxane
Concen: Below Cal
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
58 204.4 63.2 94.8#
43 2031.1 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





#4

2-Fluorophenol

Concen: 0.217 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

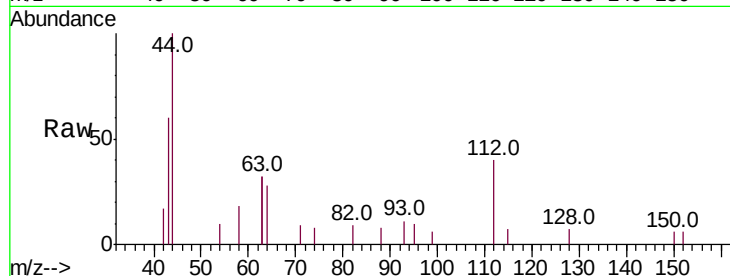
Tot Ion:112 Resp: 622

Ion Ratio Lower Upper

112 100

64 61.4 60.1 90.1

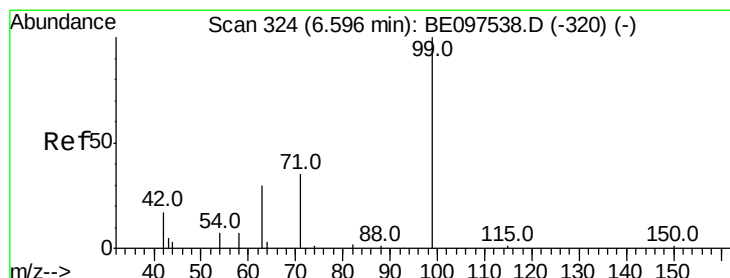
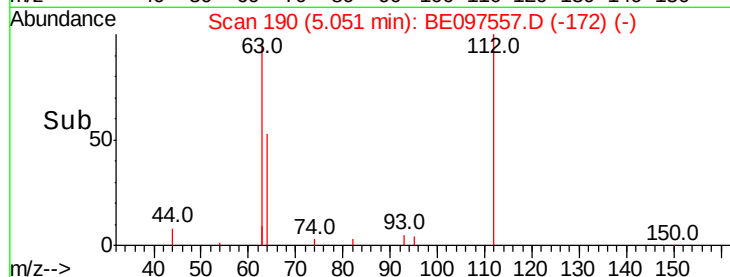
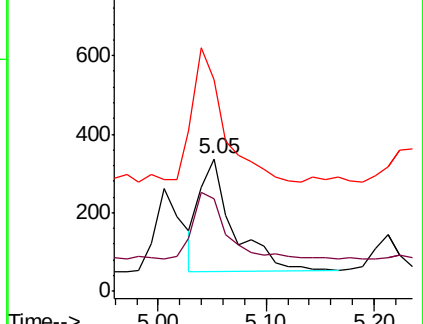
63 123.3 116.8 175.2



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: 0.142 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

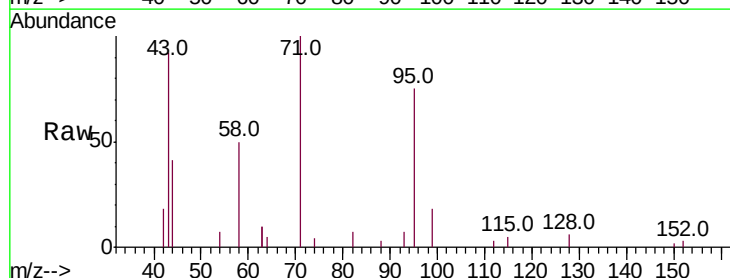
Tgt Ion: 99 Resp: 521

Ion Ratio Lower Upper

99 100

42 111.9 20.2 30.2#

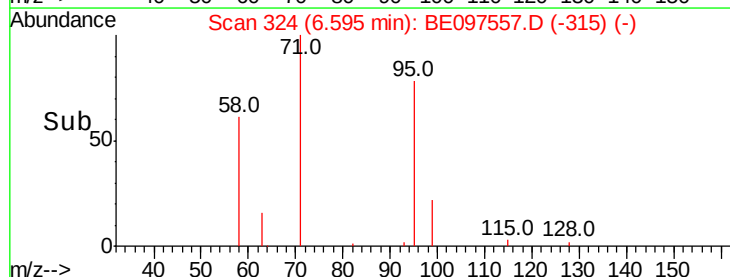
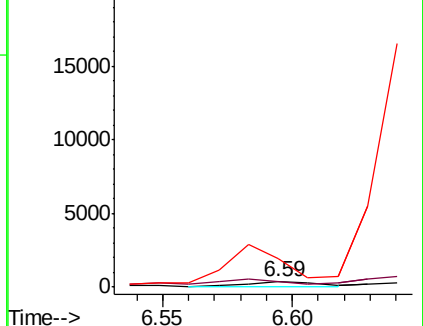
71 818.2 28.4 42.6#

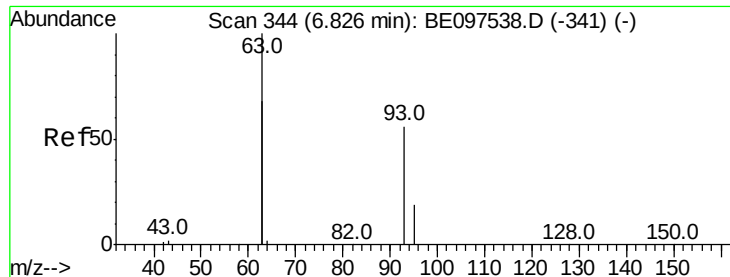


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.064 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.02 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

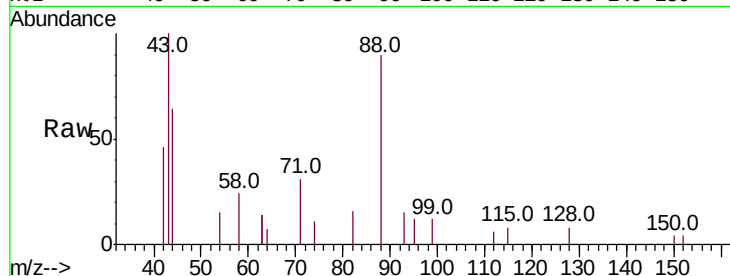
Tot Ion: 93 Resp: 218

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

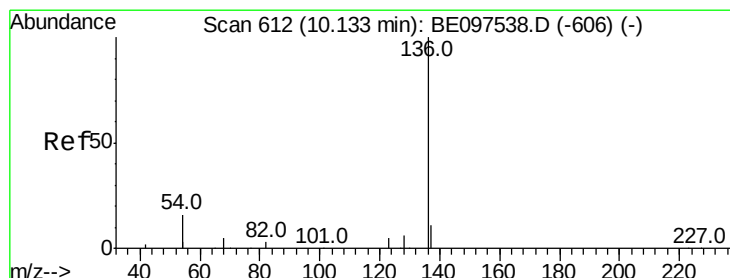
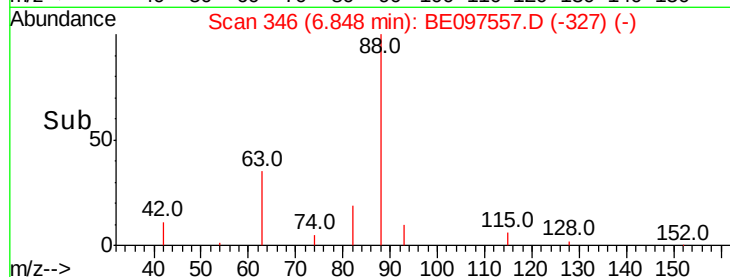
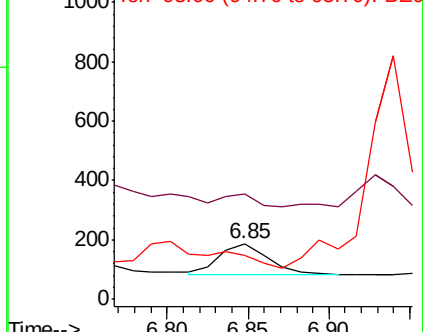
95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Tgt Ion: 136 Resp: 5365

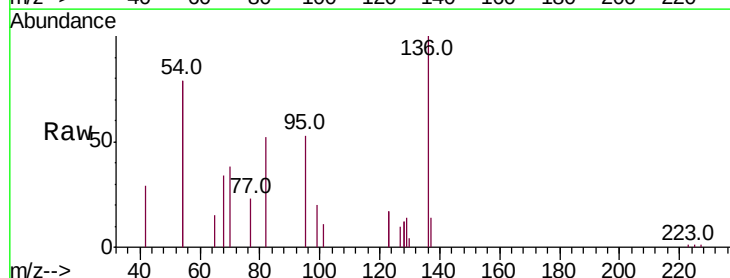
Ion Ratio Lower Upper

136 100

137 14.3 9.5 14.3#

54 158.8 29.1 43.7#

68 34.4 6.2 9.2#

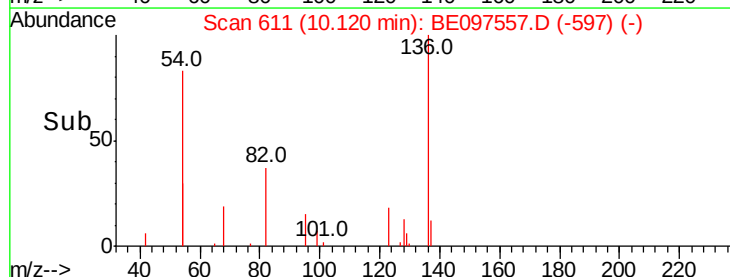
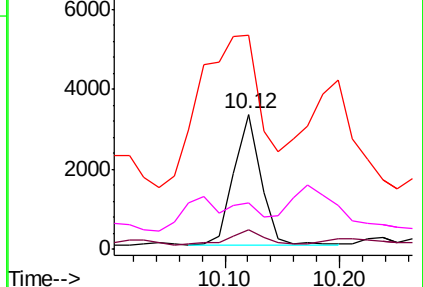


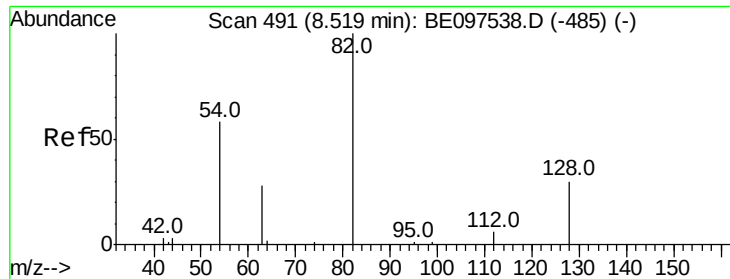
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

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ClientSampleId :

BP-AOC22-MW03-20180915

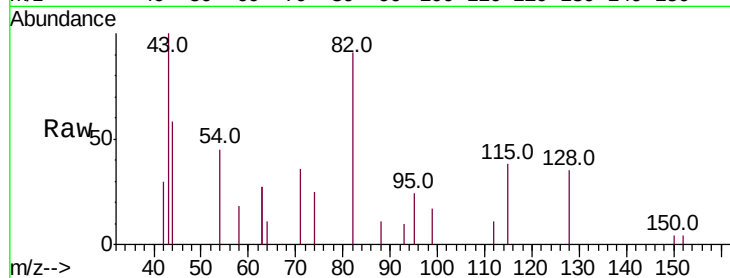
Tot Ion: 82 Resp: 1546

Ion Ratio Lower Upper

82 100

128 38.7 24.0 36.0#

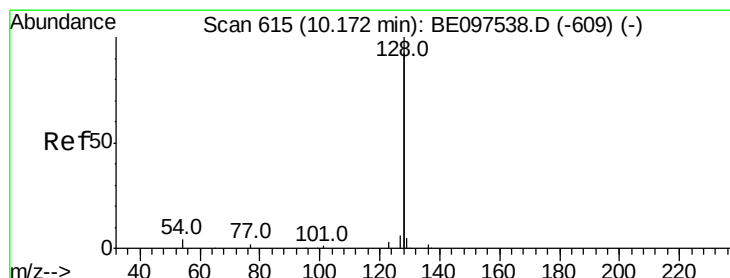
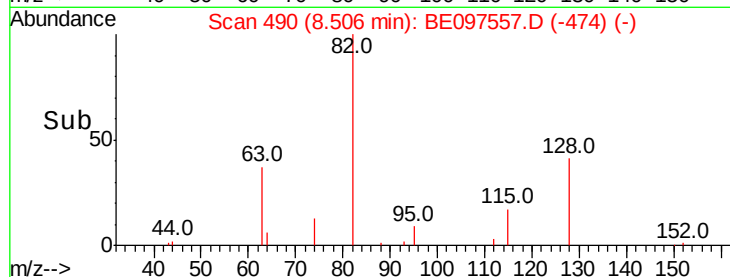
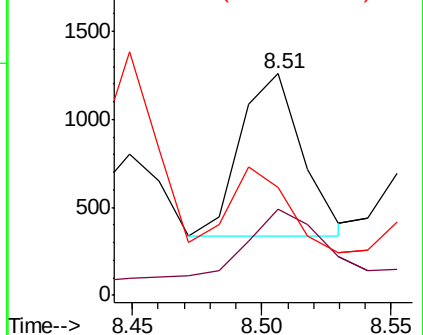
54 49.1 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 1.279 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

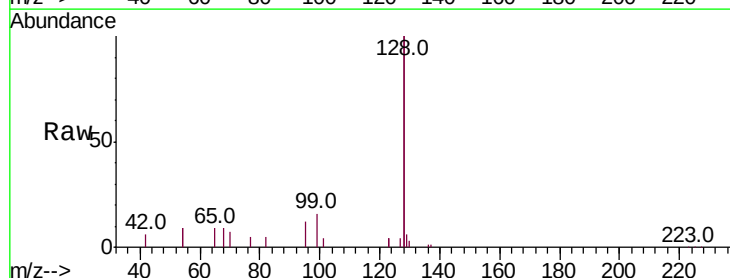
Tgt Ion:128 Resp: 61802

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

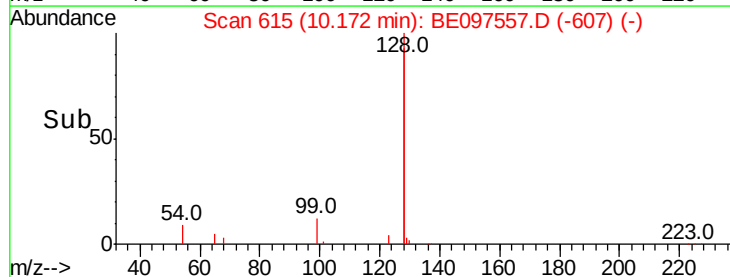
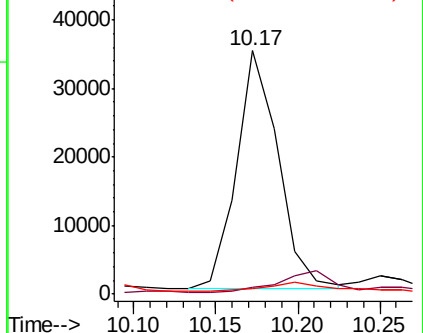
127 2.2 2.8 4.2#

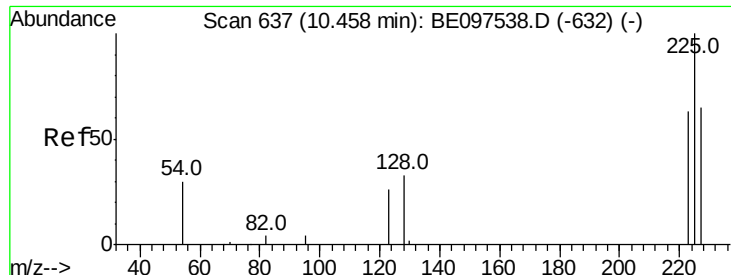


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

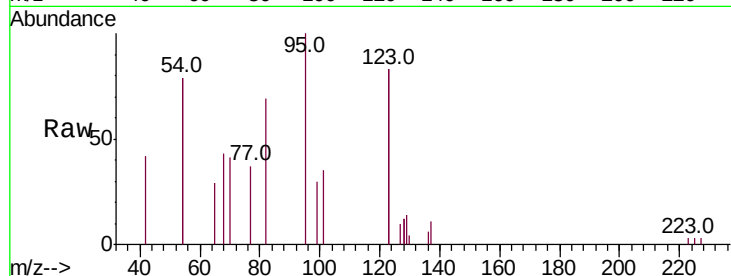




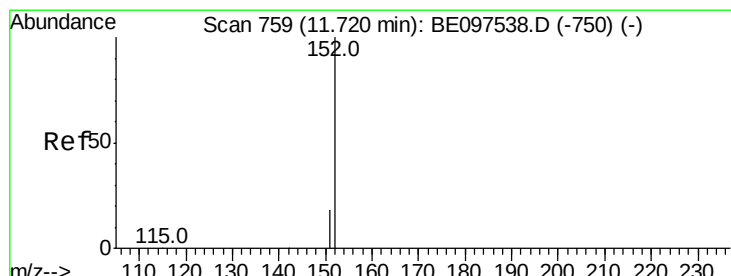
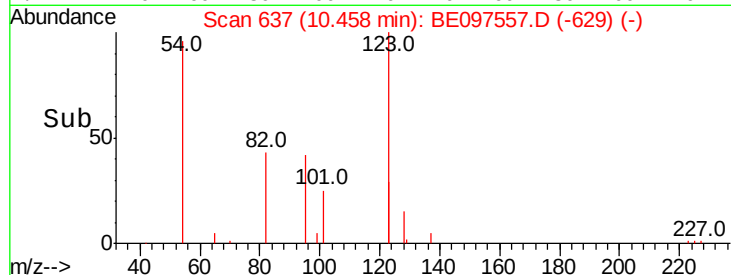
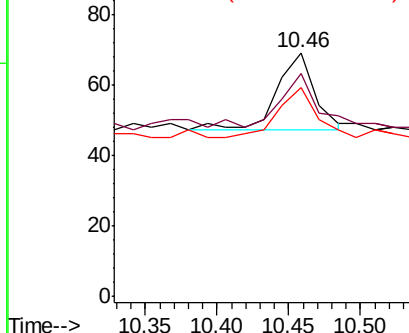
#10
Hexachlorobutadiene
Concen: 0.018 ng
RT: 10.46 min Scan# 637
Delta R.T. 0.00 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Instrument :
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Tot Ion:225 Resp: 41
Ion Ratio Lower Upper
225 100
223 63.4 53.0 79.6
227 63.4 51.4 77.2

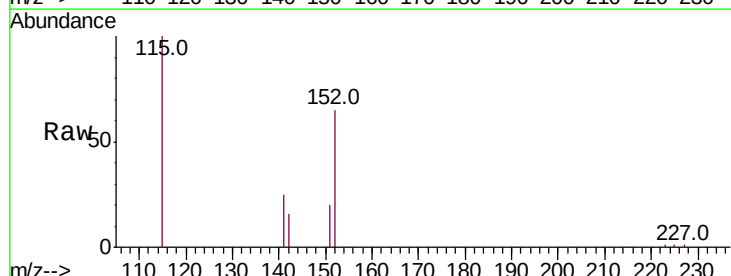


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

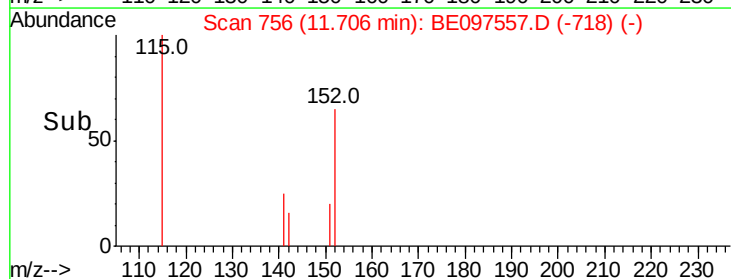
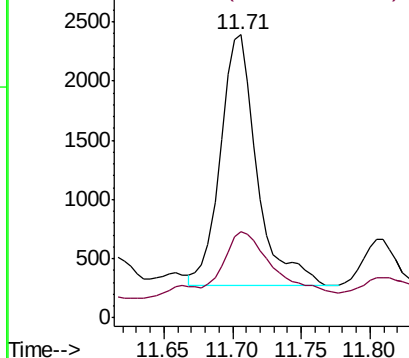


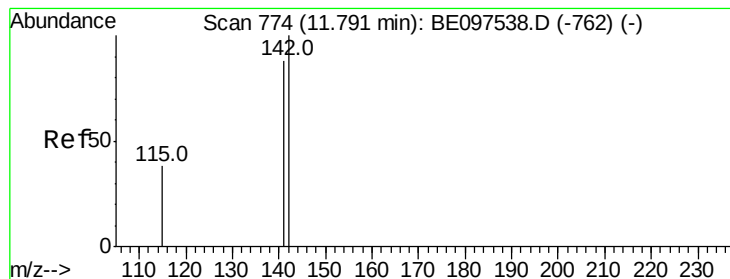
#11
2-Methylnaphthalene-d10
Concen: 0.532 ng
RT: 11.71 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Tgt Ion:152 Resp: 3931
Ion Ratio Lower Upper
152 100
151 33.4 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: 0.056 ng

RT: 11.78 min Scan# 772

Delta R.T. -0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

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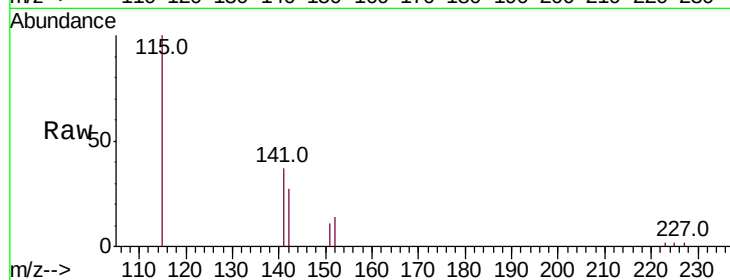
Tot Ion:142 Resp: 422

Ion Ratio Lower Upper

142 100

141 134.9 70.4 105.6#

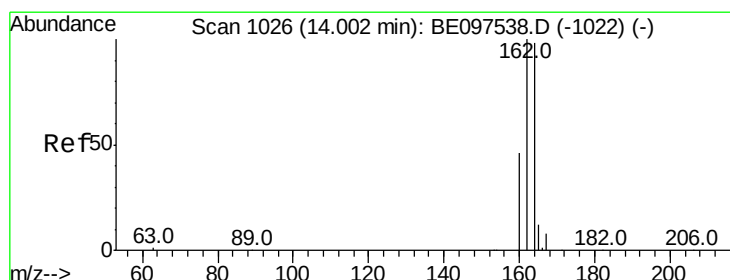
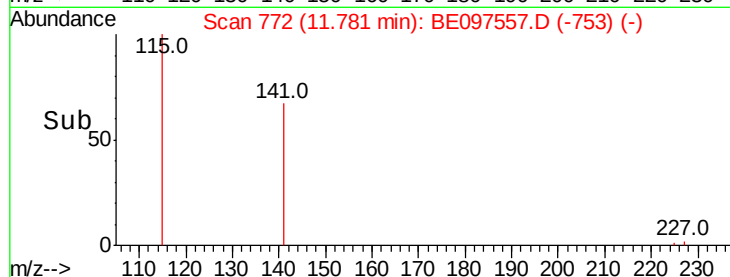
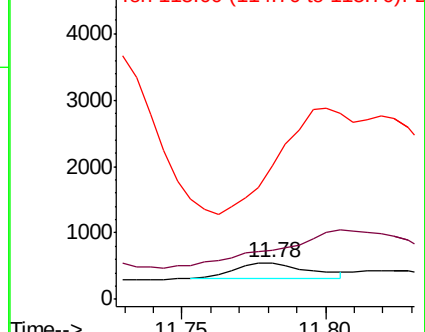
115 364.7 31.7 47.5#



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: 13.99 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

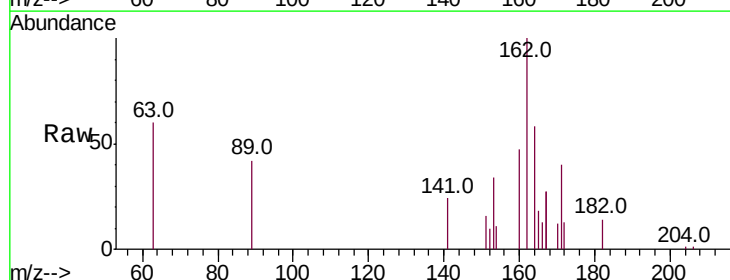
Tgt Ion:164 Resp: 4569

Ion Ratio Lower Upper

164 100

162 173.7 83.1 124.7#

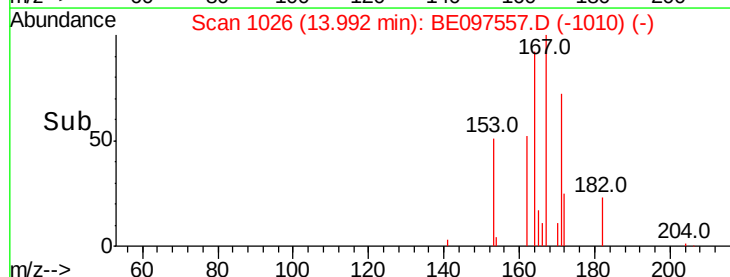
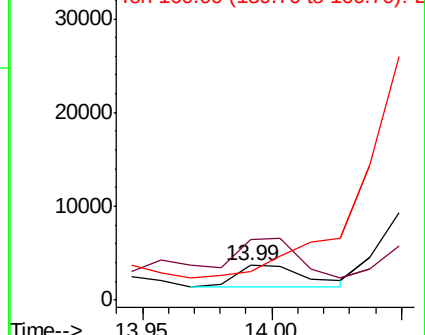
160 81.1 37.1 55.7#

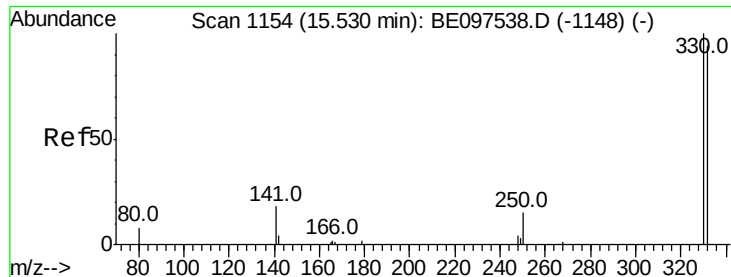


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

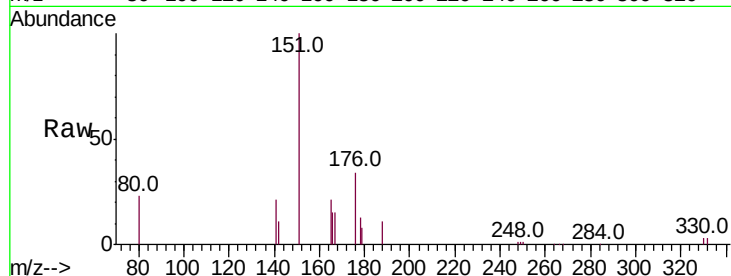




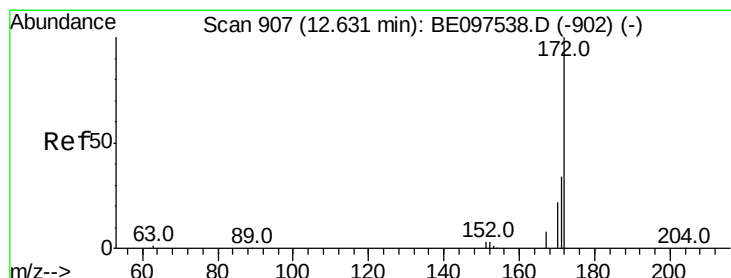
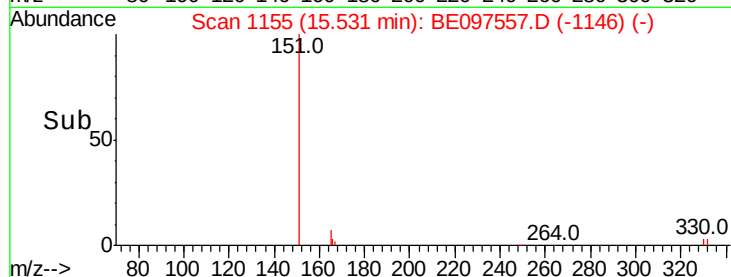
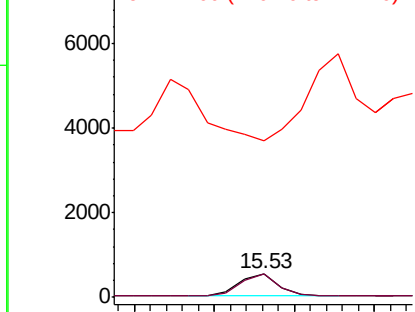
#14
 2,4,6-Tribromophenol
 Concen: 0.465 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE097557.D
 Acq: 20 Sep 2018 1:34

Instrument :
 BNA_E
 ClientSampleId :
 BP-AOC22-MW03-20180915

Tot Ion:330 Resp: 831
 Ion Ratio Lower Upper
 330 100
 332 95.9 152.7 229.1#
 141 0.0 33.7 50.5#

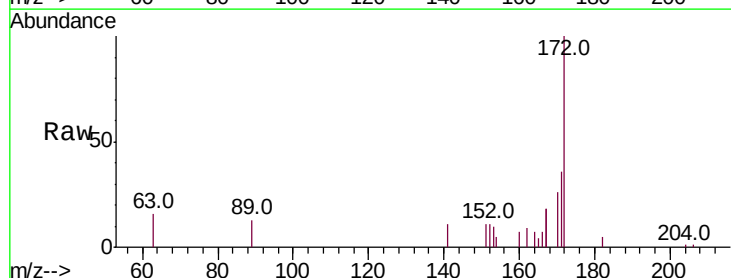


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

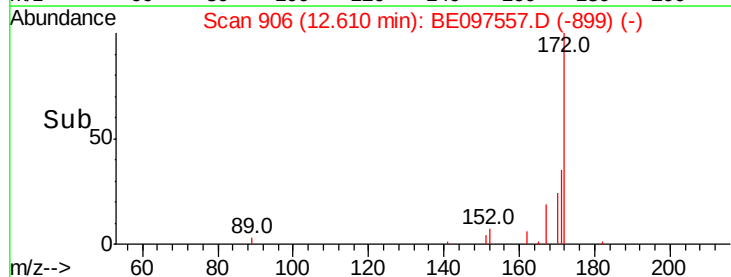
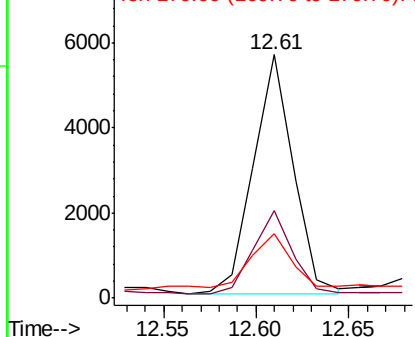


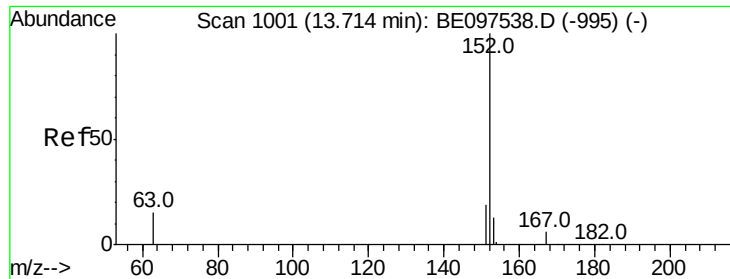
#15
 2-Fluorobiphenyl
 Concen: 0.517 ng
 RT: 12.61 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: BE097557.D
 Acq: 20 Sep 2018 1:34

Tgt Ion:172 Resp: 8340
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.9 44.9
 170 26.5 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: 0.026 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

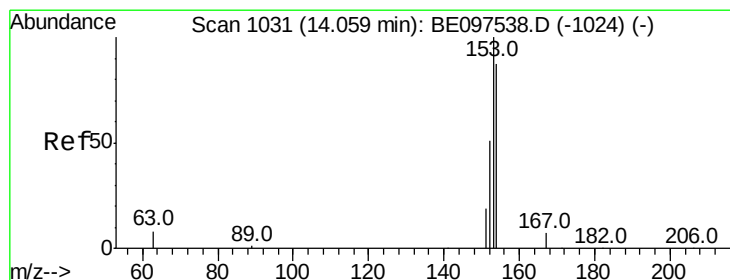
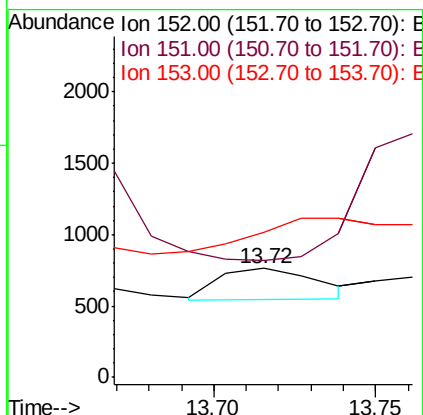
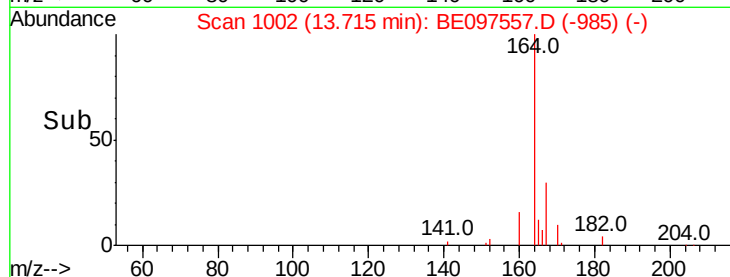
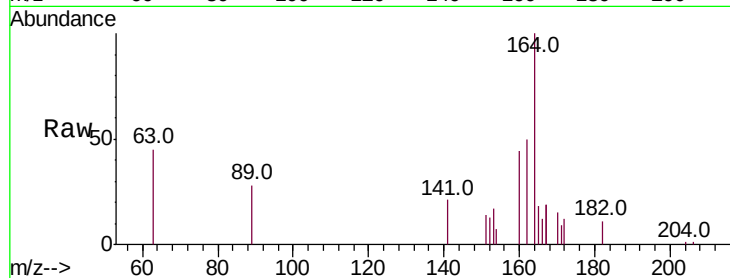
Tot Ion:152 Resp: 466

Ion Ratio Lower Upper

152 100

151 0.0 15.7 23.5#

153 0.0 10.5 15.7#



#17

Acenaphthene

Concen: 0.091 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

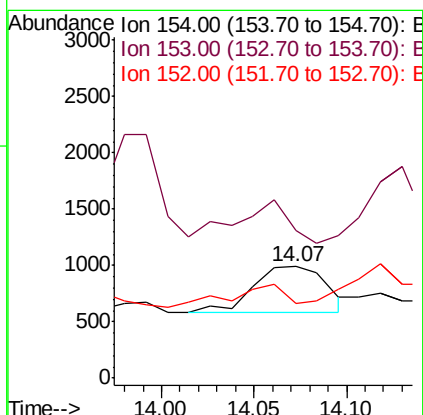
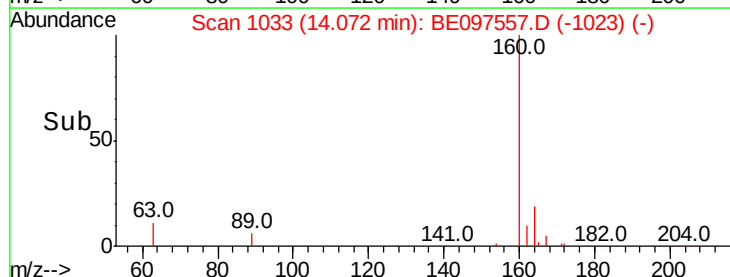
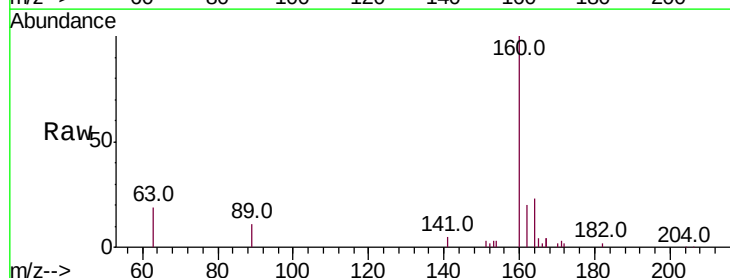
Tgt Ion:154 Resp: 1101

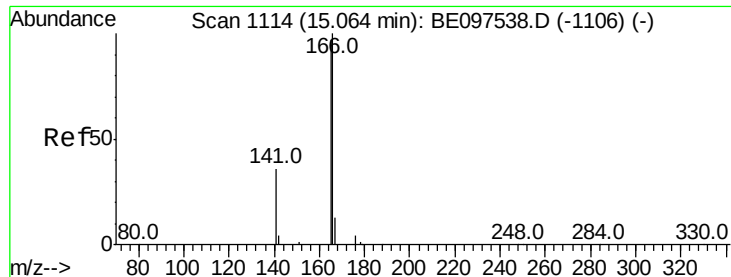
Ion Ratio Lower Upper

154 100

153 68.0 89.2 133.8#

152 36.0 42.0 63.0#





#18

Fluorene

Concen: 0.584 ng

RT: 15.09 min Scan# 1117

Delta R.T. 0.02 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

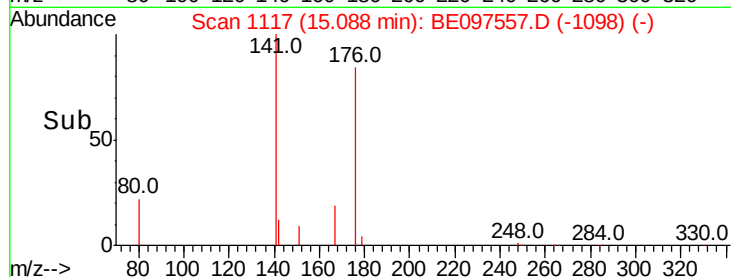
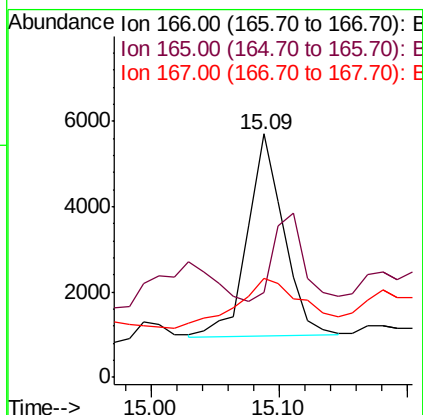
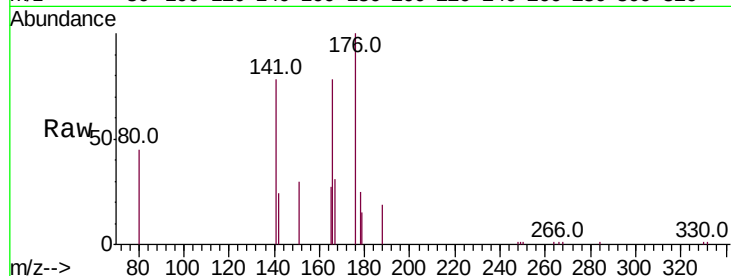
Tot Ion:166 Resp: 9227

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.6#

167 46.2 42.4 63.6



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

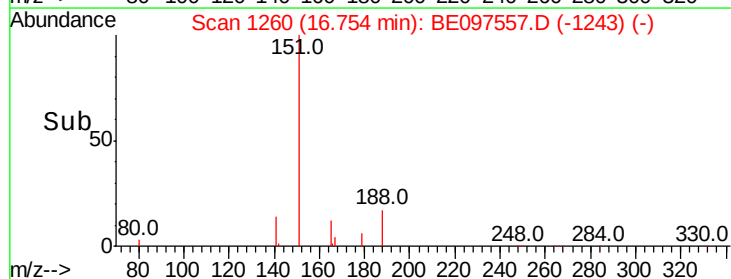
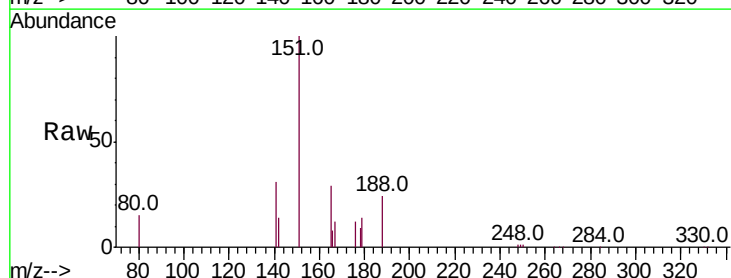
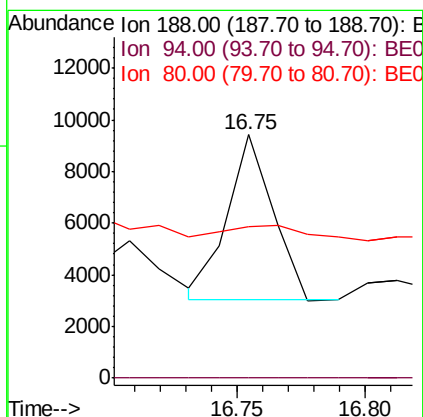
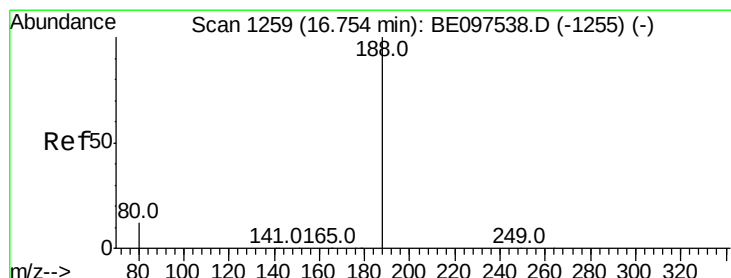
Tgt Ion:188 Resp: 7948

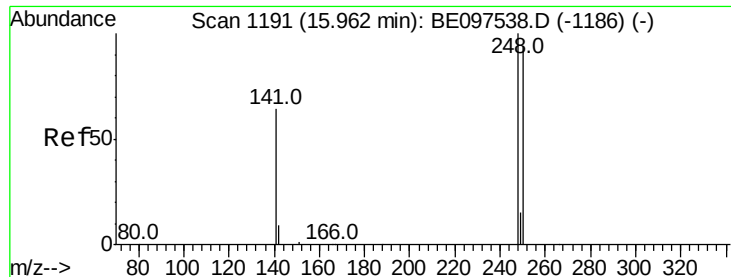
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 62.4 3.6 5.4#





#20

4-Bromophenyl-phenylether

Concen: 0.041 ng

RT: 15.95 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

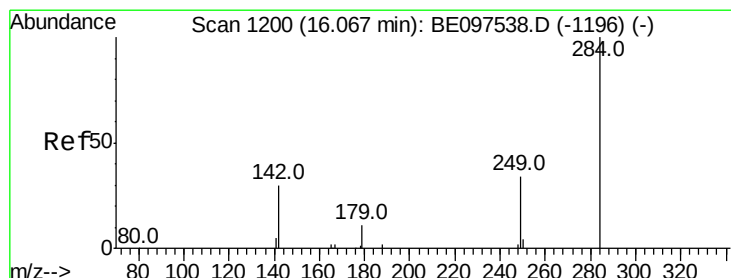
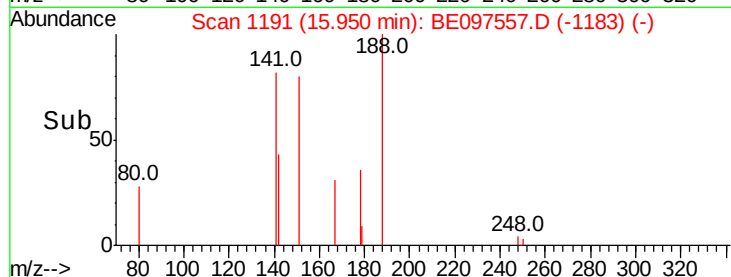
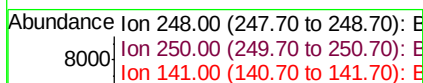
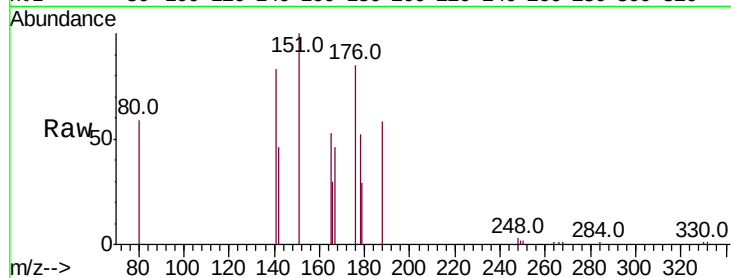
Tot Ion:248 Resp: 147

Ion Ratio Lower Upper

248 100

250 79.1 62.7 94.1

141 2815.7 48.2 72.2#



#21

Hexachlorobenzene

Concen: 0.019 ng

RT: 16.07 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

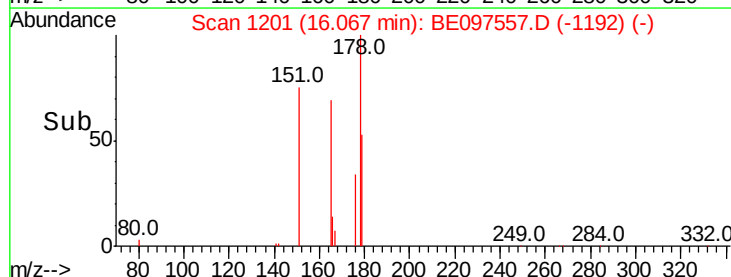
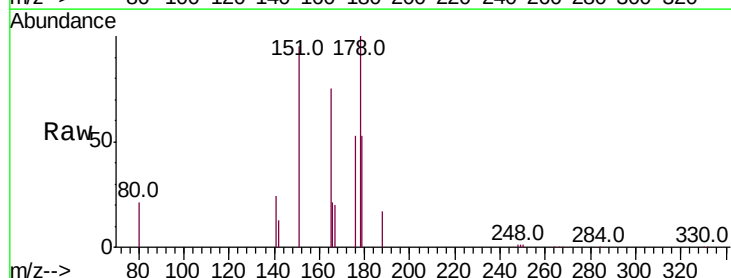
Tgt Ion:284 Resp: 76

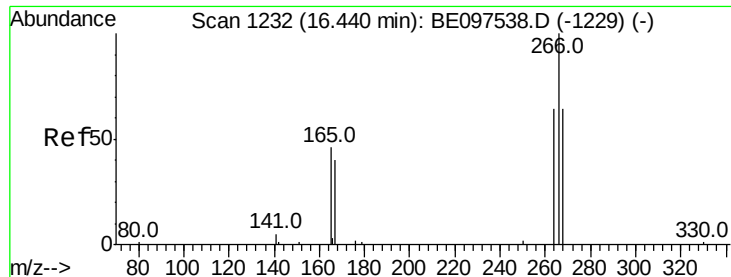
Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 81.6 34.8 52.2#





#22

Pentachlorophenol

Concen: 0.135 ng

RT: 16.40 min Scan# 1230

Delta R.T. -0.03 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

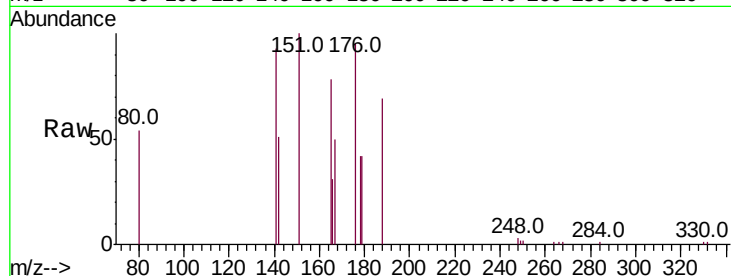
Tot Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 88.6 72.5 108.7

268 97.7 73.8 110.6

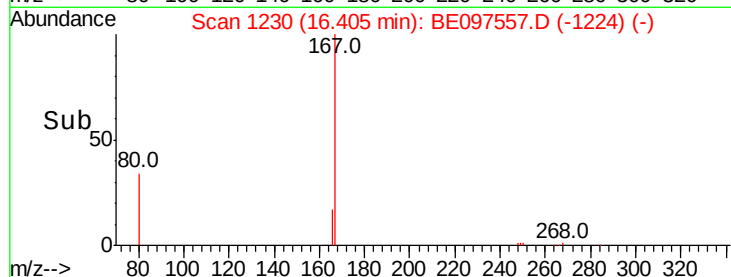


Abundance Ion 266.00 (265.70 to 266.70): E

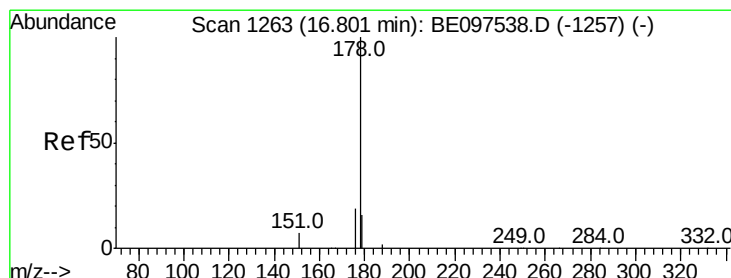
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.40



Time--> 16.35 16.40



#23

Phenanthrene

Concen: 0.234 ng

RT: 16.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

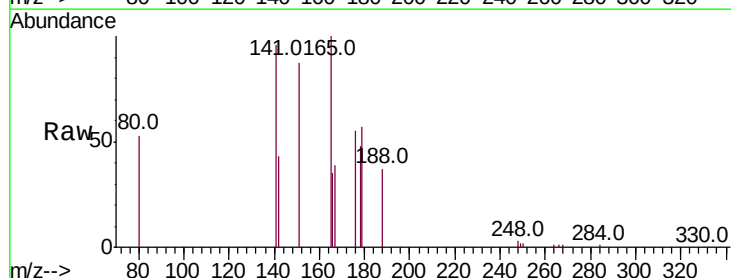
Tgt Ion:178 Resp: 4408

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

179 0.0 11.8 17.6#

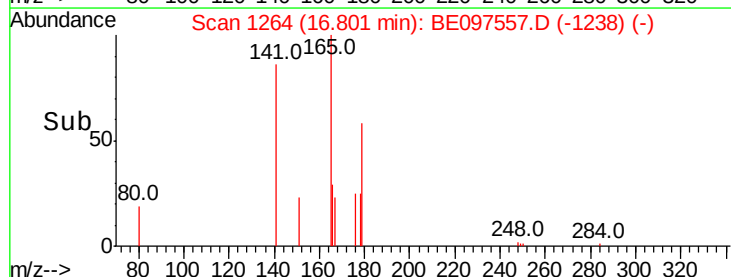


Abundance Ion 178.00 (177.70 to 178.70): E

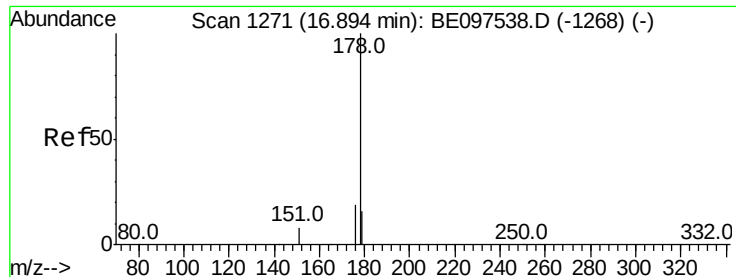
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.80



Time--> 16.75 16.80 16.85



#24

Anthracene

Concen: 0.557 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

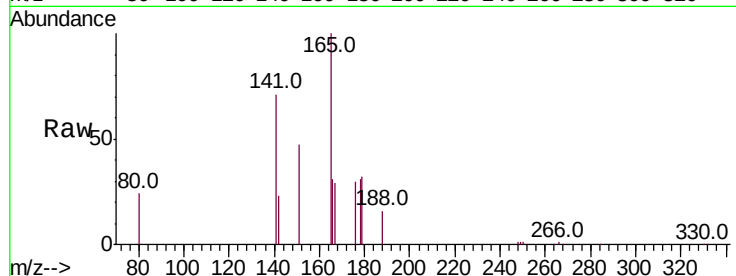
Tot Ion:178 Resp: 9291

Ion Ratio Lower Upper

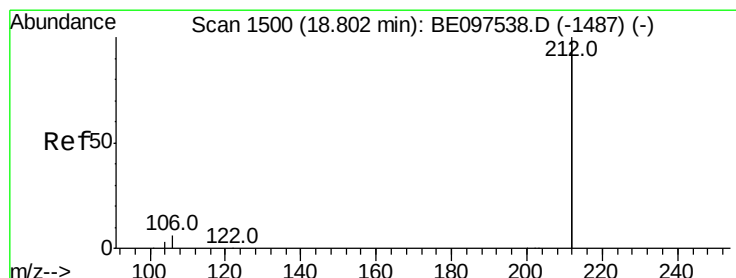
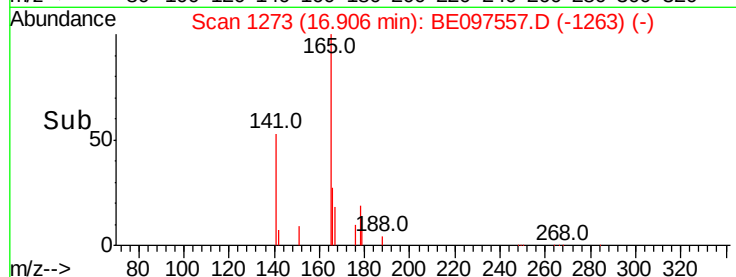
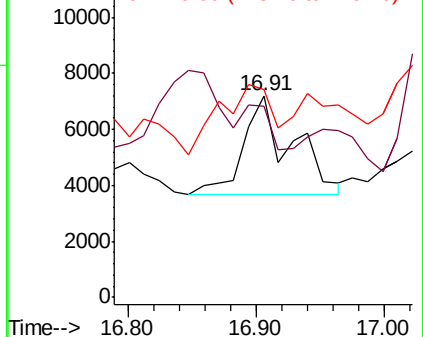
178 100

176 0.0 12.8 19.2#

179 76.8 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: 0.376 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

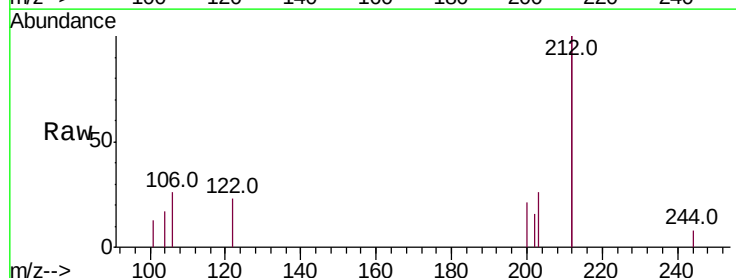
Tgt Ion:212 Resp: 38303

Ion Ratio Lower Upper

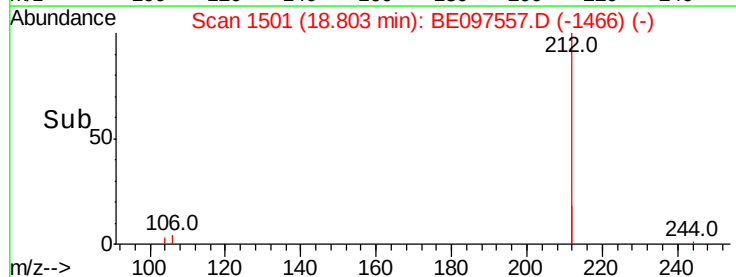
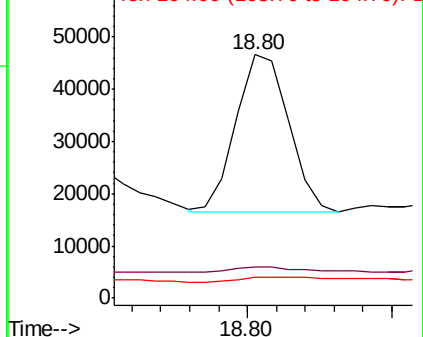
212 100

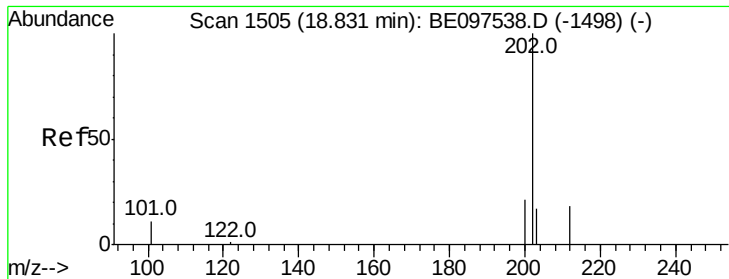
106 4.6 2.8 4.2#

104 8.4 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: 0.068 ng

RT: 18.84 min Scan# 1507

Delta R.T. 0.01 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

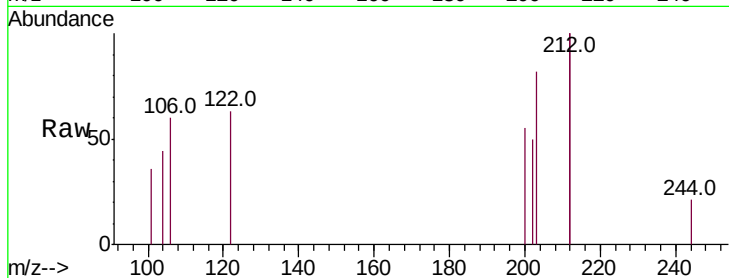
Tot Ion:202 Resp: 1782

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

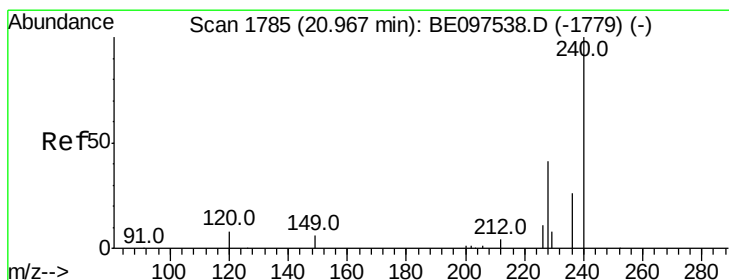
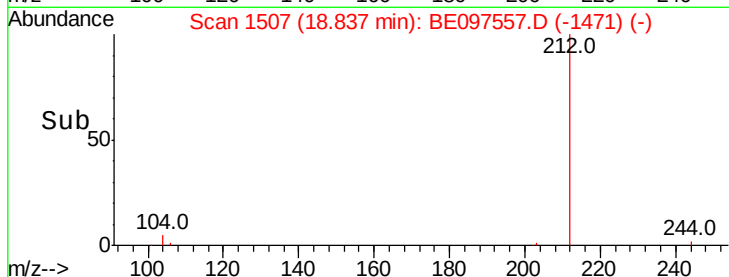
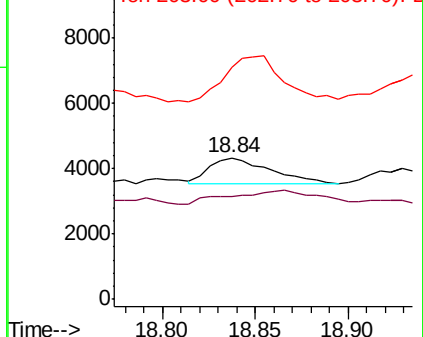
203 0.0 13.7 20.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

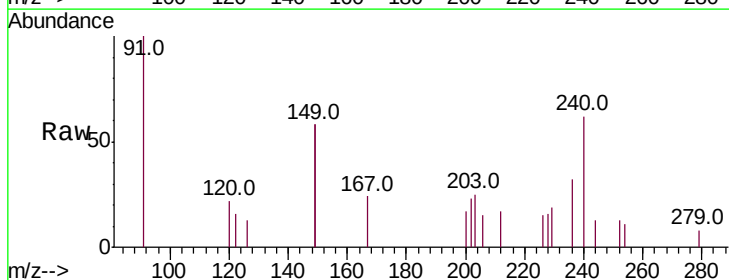
Tgt Ion:240 Resp: 10392

Ion Ratio Lower Upper

240 100

120 34.6 5.5 8.3#

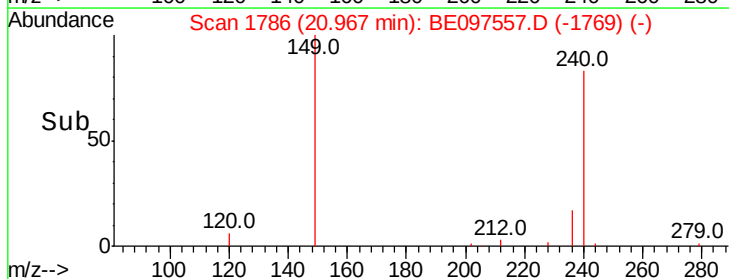
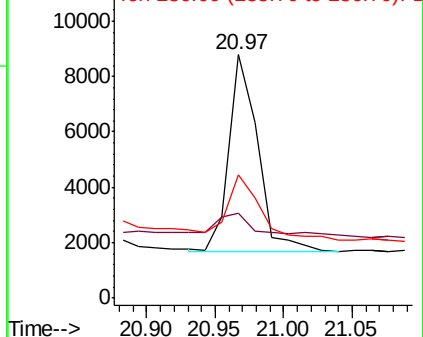
236 50.9 20.7 31.1#

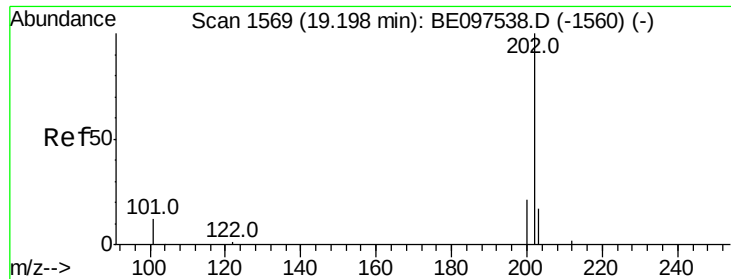


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

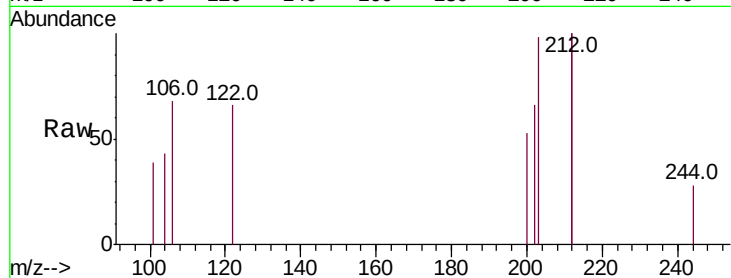




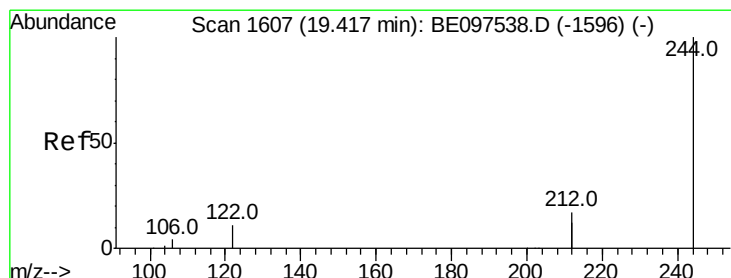
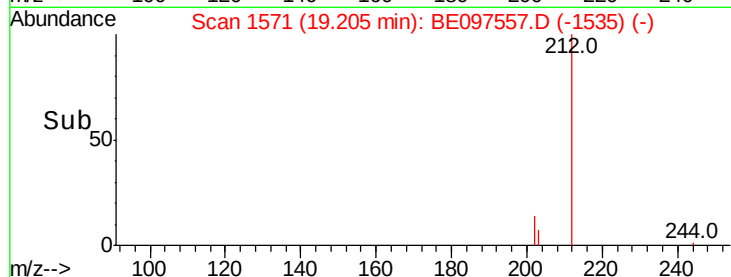
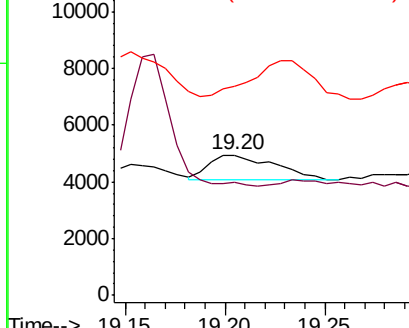
#28
Pvrene
Concen: 0.084 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Instrument :
BNA_E
ClientSampleId :
BP-AOC22-MW03-20180915

Tot Ion:202 Resp: 1984
Ion Ratio Lower Upper
202 100
200 0.0 16.6 25.0#
203 0.0 13.8 20.8#

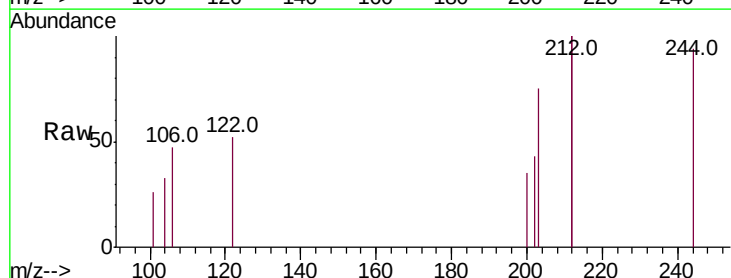


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

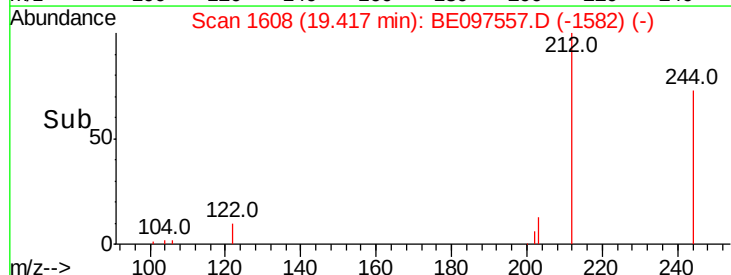
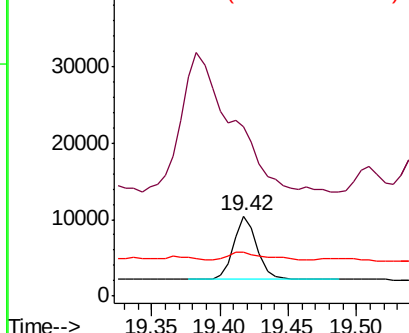


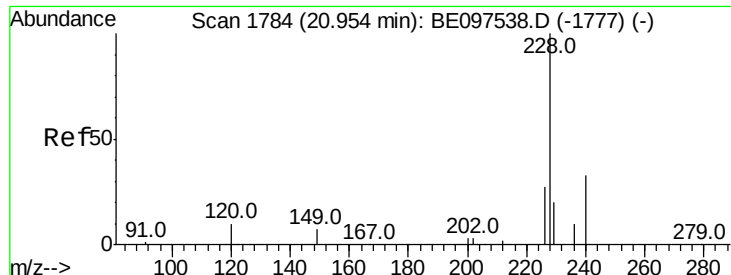
#29
Terphenyl-d14
Concen: 0.524 ng
RT: 19.42 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Tgt Ion:244 Resp: 9976
Ion Ratio Lower Upper
244 100
212 212.8 25.4 38.0#
122 55.3 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: 0.041 ng

RT: 20.95 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

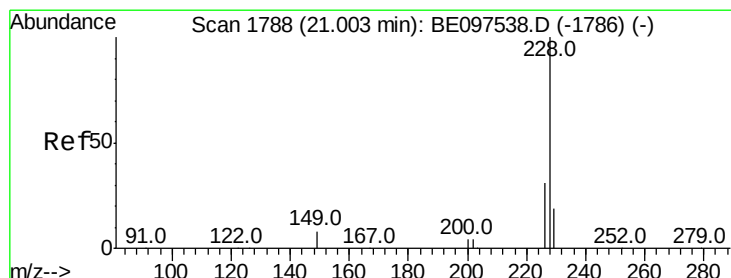
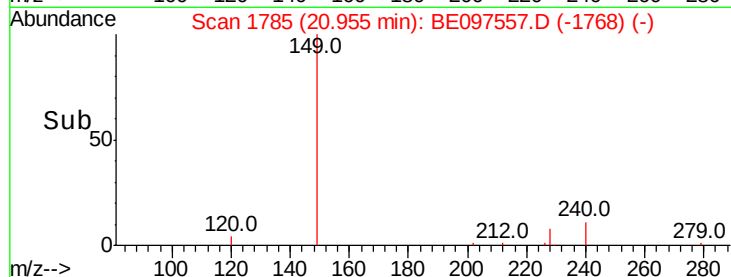
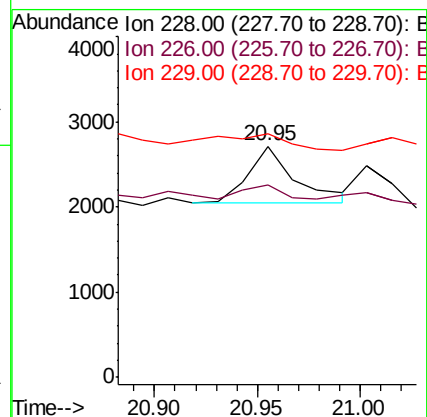
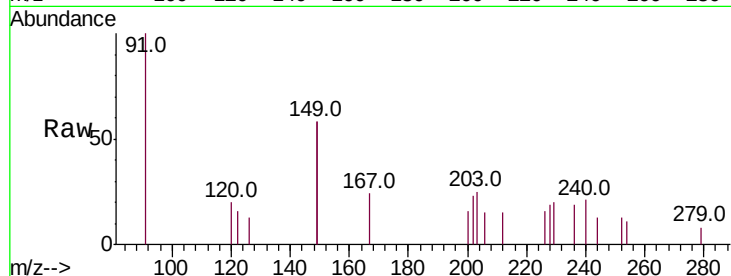
Tot Ion:228 Resp: 1066

Ion Ratio Lower Upper

228 100

226 83.4 24.0 36.0#

229 105.2 16.0 24.0#



#31

Chrysene

Concen: 0.037 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

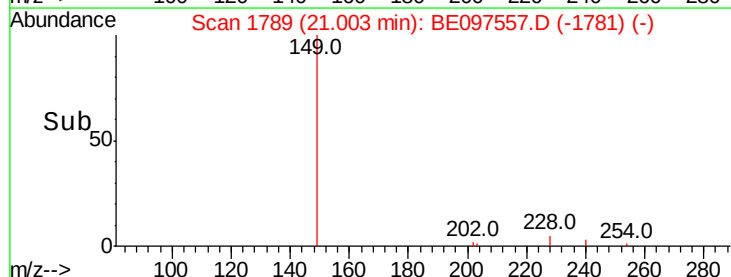
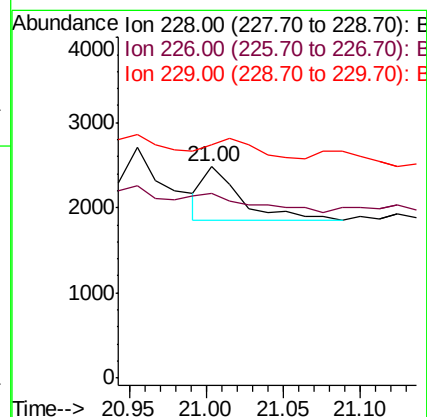
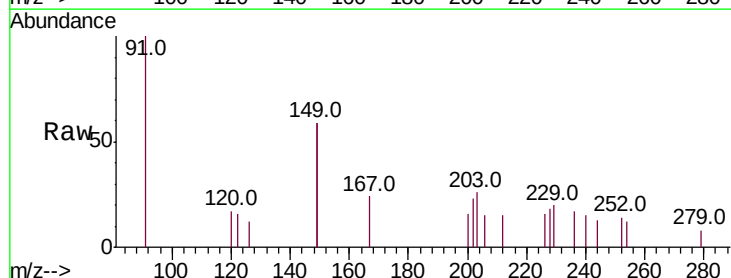
Tgt Ion:228 Resp: 1051

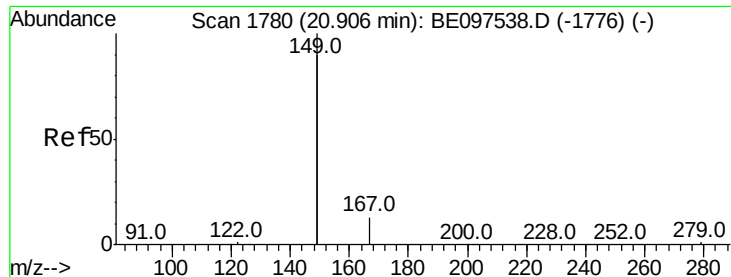
Ion Ratio Lower Upper

228 100

226 87.7 24.0 36.0#

229 110.3 16.0 24.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.174 ng

RT: 20.91 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

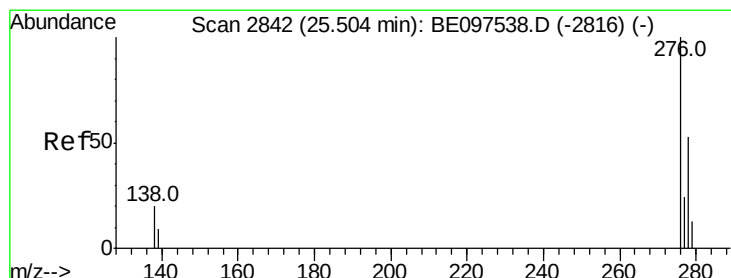
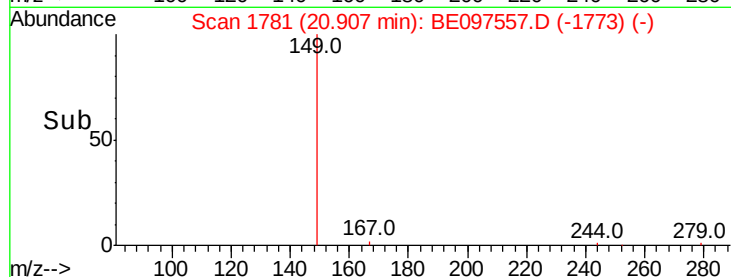
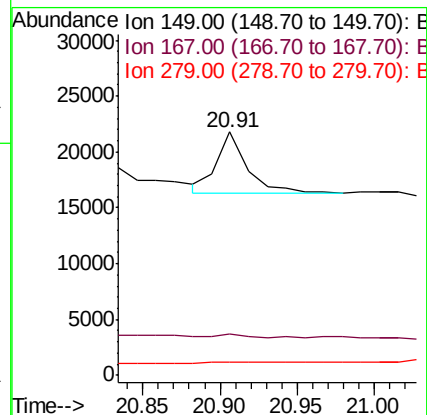
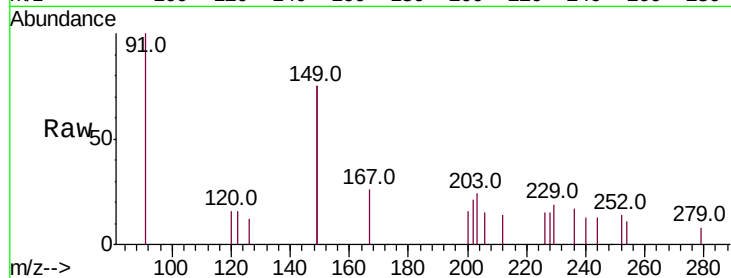
Tot Ion:149 Resp: 7185

Ion Ratio Lower Upper

149 100

167 0.0 5.4 8.0#

279 12.3 0.7 1.1#



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.016 ng

RT: 25.50 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

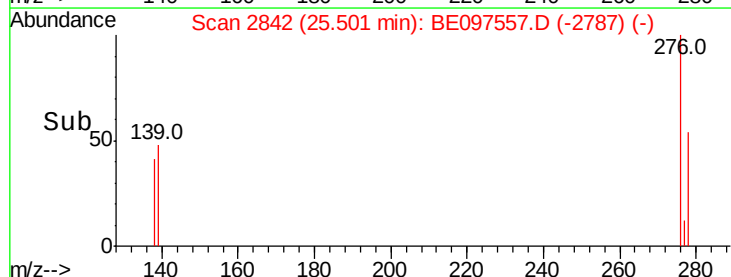
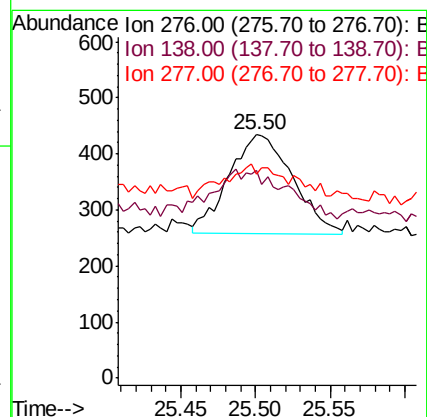
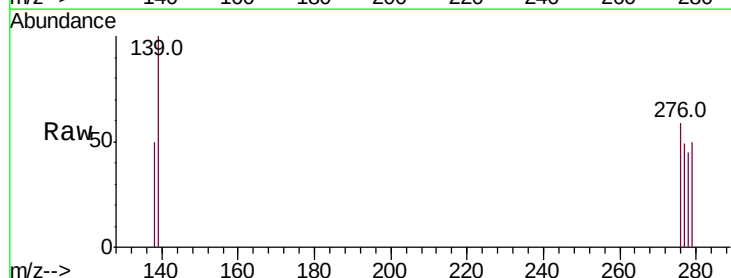
Tgt Ion:276 Resp: 525

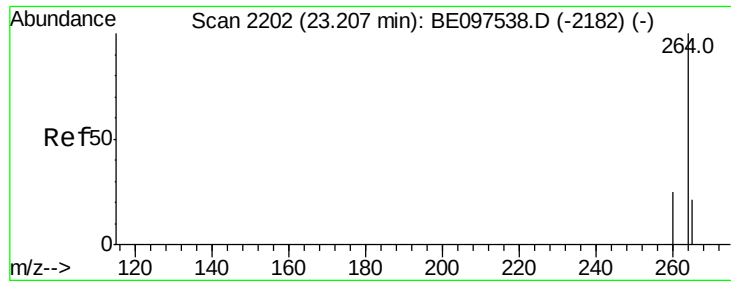
Ion Ratio Lower Upper

276 100

138 18.1 22.5 33.7#

277 18.3 19.9 29.9#

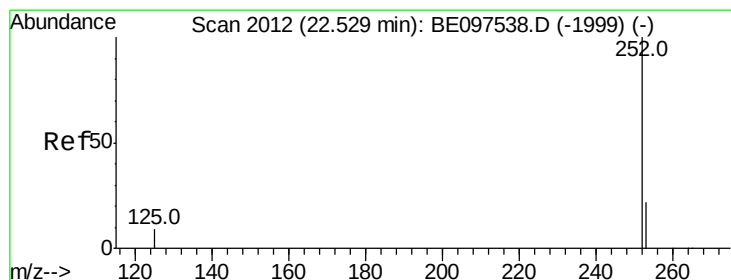
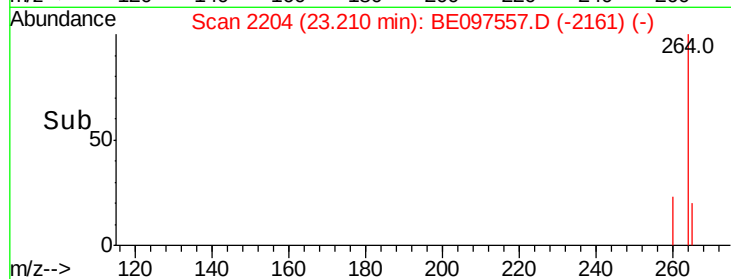
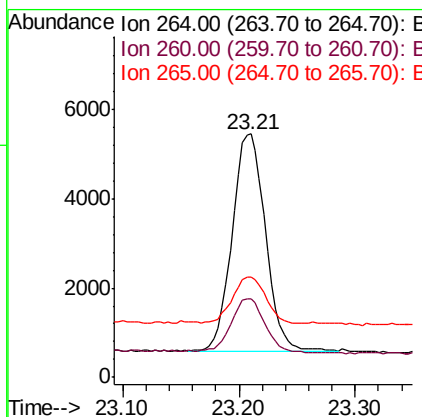
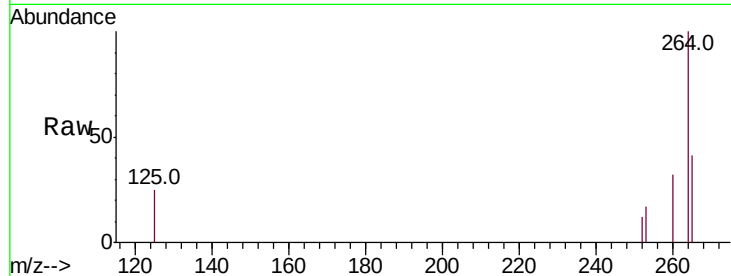




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

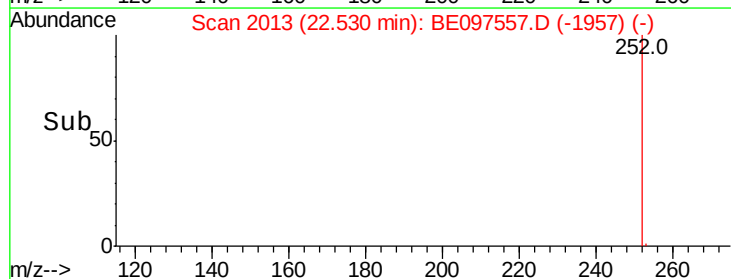
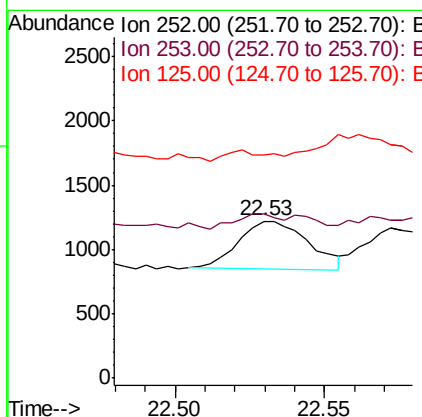
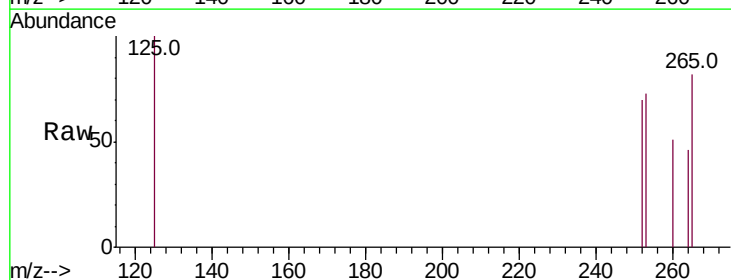
Instrument :
BNA_E
ClientSampleId :
BP-AOC22-MW03-20180915

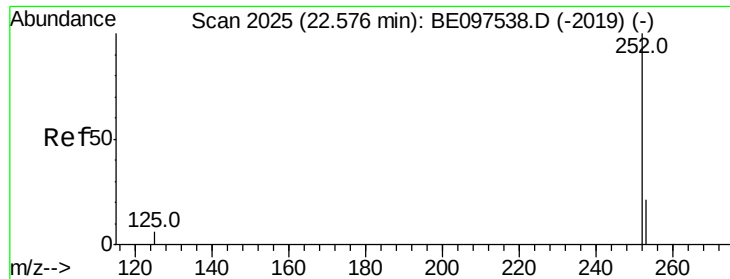
Tot Ion:264 Resp: 9746
Ion Ratio Lower Upper
264 100
260 32.0 20.5 30.7#
265 41.4 22.8 34.2#



#35
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 22.53 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BE097557.D
Acq: 20 Sep 2018 1:34

Tgt Ion:252 Resp: 611
Ion Ratio Lower Upper
252 100
253 104.3 20.0 30.0#
125 142.3 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.019 ng

RT: 22.57 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

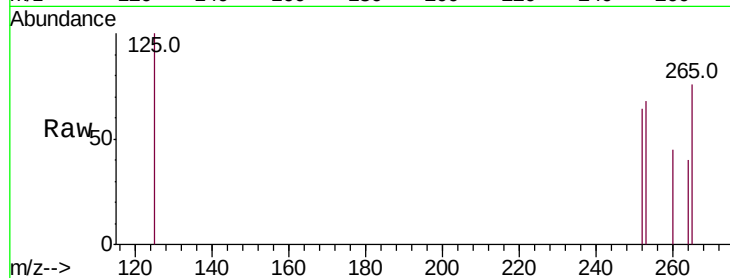
Tot Ion:252 Resp: 551

Ion Ratio Lower Upper

252 100

253 105.0 16.0 24.0#

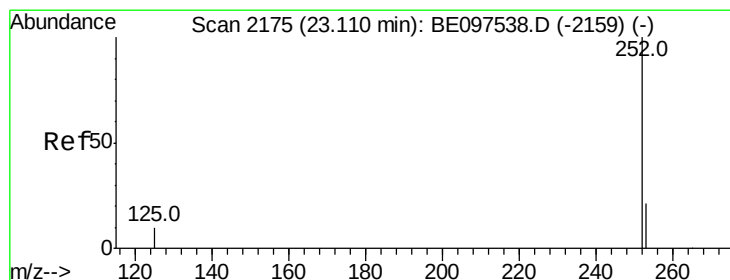
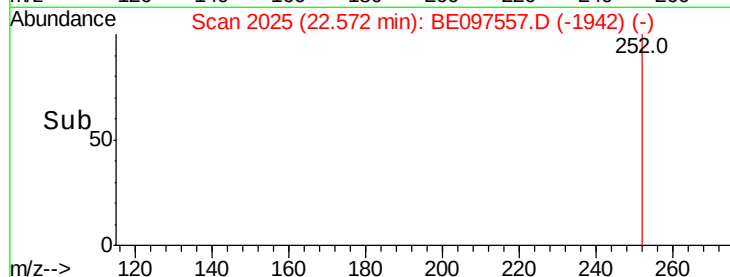
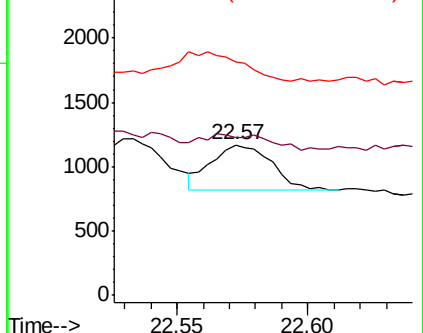
125 155.3 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.043 ng

RT: 23.11 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

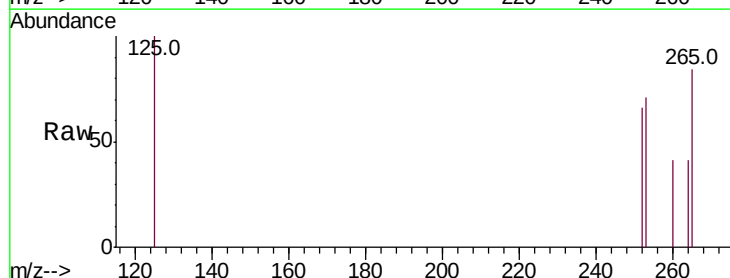
Tgt Ion:252 Resp: 568

Ion Ratio Lower Upper

252 100

253 106.2 16.0 24.0#

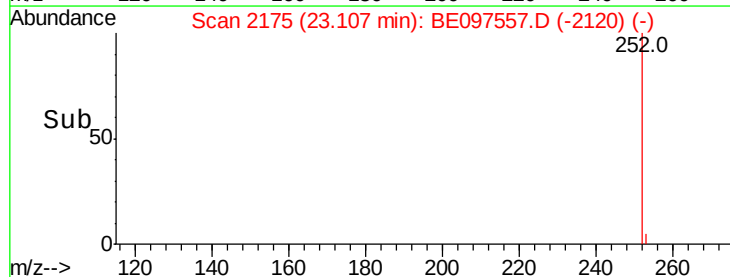
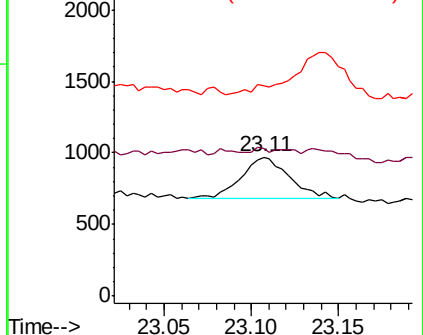
125 150.6 12.0 18.0#

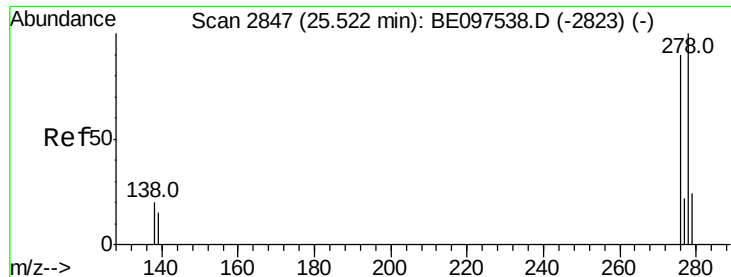


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.017 ng

RT: 25.52 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

Instrument :

BNA_E

ClientSampleId :

BP-AOC22-MW03-20180915

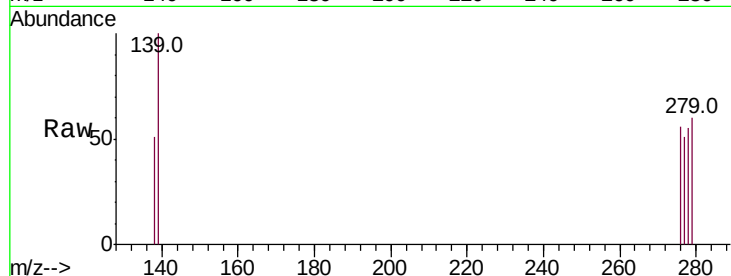
Tot Ion:278 Resp: 451

Ion Ratio Lower Upper

278 100

139 182.2 16.0 24.0#

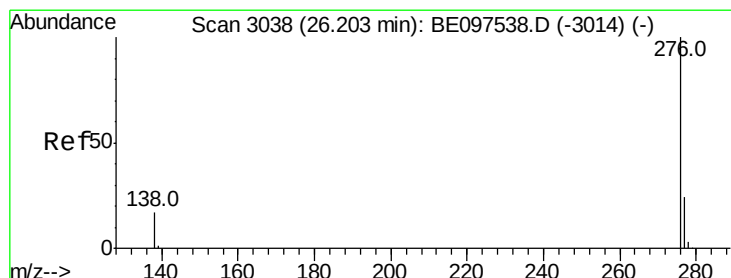
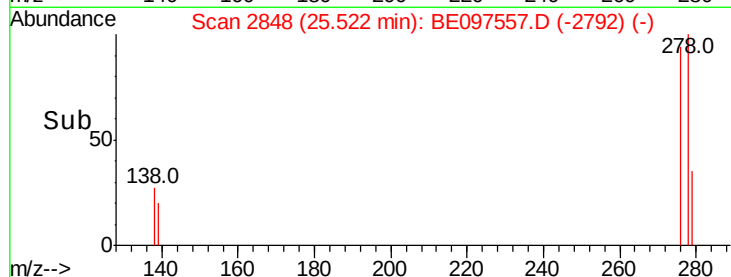
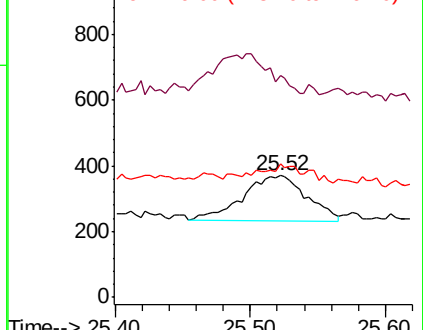
279 109.4 20.0 30.0#



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(g,h,i)perylene

Concen: 0.019 ng

RT: 26.20 min Scan# 3039

Delta R.T. 0.00 min

Lab File: BE097557.D

Acq: 20 Sep 2018 1:34

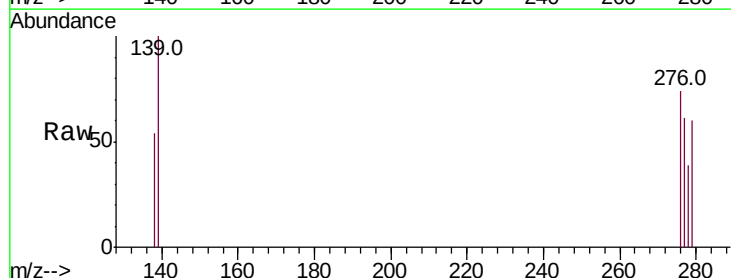
Tgt Ion:276 Resp: 472

Ion Ratio Lower Upper

276 100

277 83.1 16.0 24.0#

138 73.8 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

