

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097559.D
 Acq On : 20 Sep 2018 2:48
 Operator : SJ/JU
 Sample : J4958-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW10-20180915

Quant Time: Sep 20 05:11:41 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

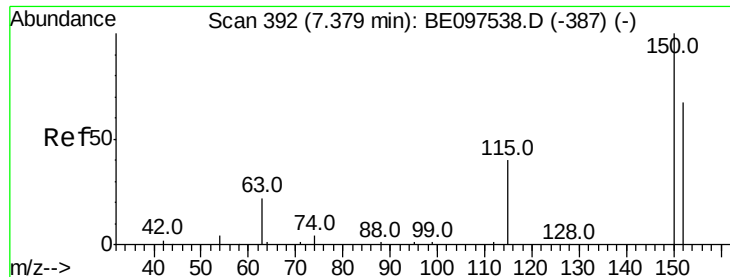
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	752	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	3667	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	2784	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7164	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9635	0.40	ng	0.00
34) Perylene-d12	23.20	264	9756	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	500	0.22	ng	0.00
5) Phenol-d6	6.61	99	290	0.10	ng	0.00
8) Nitrobenzene-d5	8.52	82	1145	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	2141	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.51	330	613	0.54	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	3864	0.39	ng	-0.02
25) Fluoranthene-d10	18.79	212	42305	0.46	ng	-0.01
29) Terphenyl-d14	19.41	244	9633	0.55	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	142	0.077	ng	# 14
3) n-Nitrosodimethylamine	3.31	42	61	0.070	ng	# 1
6) bis(2-Chloroethyl)ether	6.85	93	15	0.006	ng	# 1
9) Naphthalene	10.17	128	1341	0.041	ng	# 77
10) Hexachlorobutadiene	10.47	225	3	0.002	ng	# 17
12) 2-Methylnaphthalene	11.78	142	82	0.016	ng	# 25
16) Acenaphthylene	13.69	152	146	0.013	ng	# 1
17) Acenaphthene	13.99	154	23	0.003	ng	# 1
18) Fluorene	15.05	166	91	0.009	ng	# 68
20) 4-Bromophenyl-phenylether	15.97	248	1	0.000	ng	# 1
21) Hexachlorobenzene	16.09	284	2	0.001	ng	# 1
22) Pentachlorophenol	16.43	266	25	0.145	ng	93
23) Phenanthrene	16.79	178	201	0.012	ng	# 1
24) Anthracene	16.88	178	158	0.011	ng	# 39
26) Fluoranthene	18.83	202	88	0.004	ng	# 67
28) Pyrene	19.19	202	132	0.006	ng	# 74
30) Benzo(a)anthracene	20.97	228	94	0.004	ng	# 1
31) Chrysene	21.00	228	20	0.001	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.91	149	4646	0.124	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.50	276	9	0.000	ng	# 48
35) Benzo(b)fluoranthene	22.52	252	7	0.000	ng	# 1
36) Benzo(k)fluoranthene	22.55	252	55	0.002	ng	# 1
37) Benzo(a)pyrene	23.09	252	16	0.021	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	3	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.19	276	5	0.000	ng	# 1

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

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Misc :
ALS Vial : 17 Sample Multiplier: 1

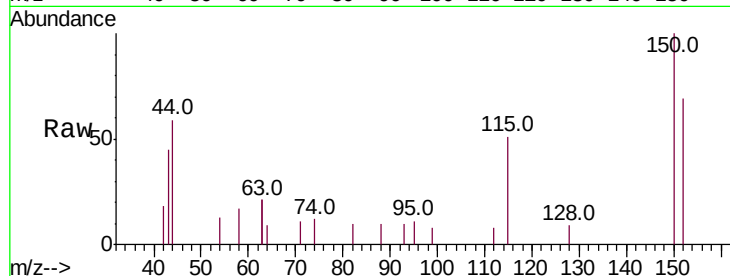


#1

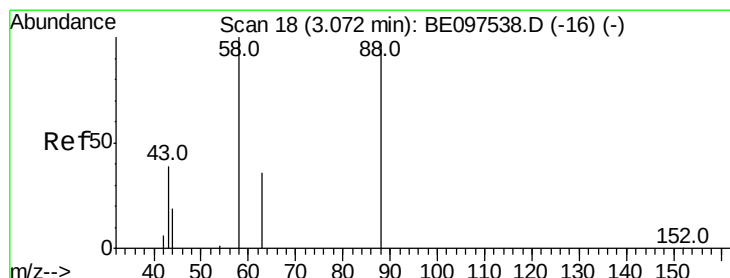
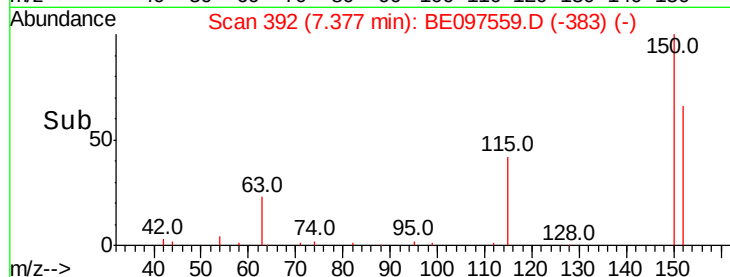
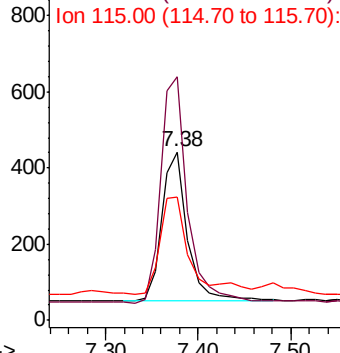
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW10-20180915

Tot Ion:152 Resp: 752
Ion Ratio Lower Upper
152 100
150 144.2 117.2 175.8
115 72.9 57.0 85.6



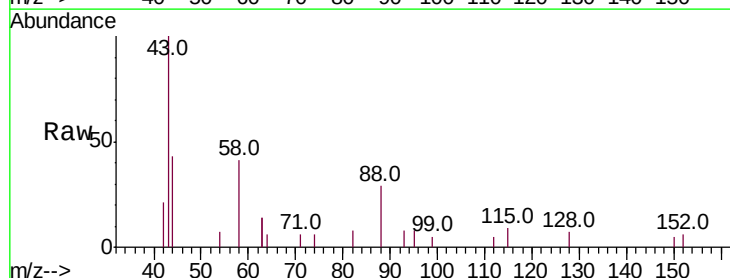
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



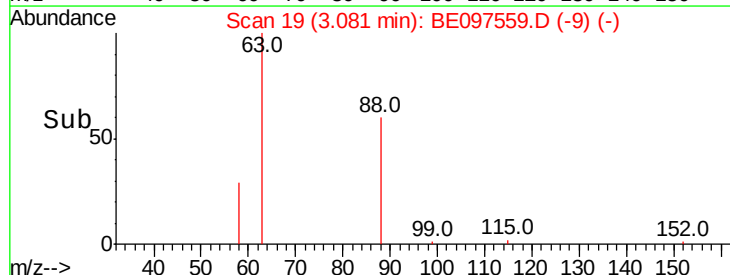
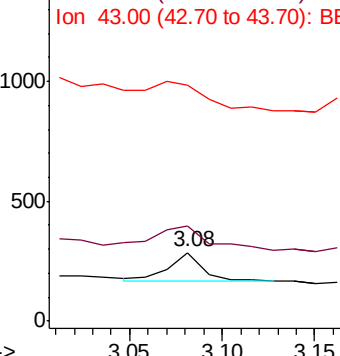
#2

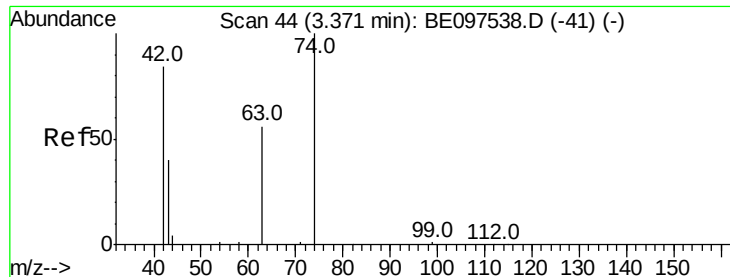
1,4-Dioxane
Concen: 0.077 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
58 162.0 63.2 94.8#
43 0.0 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: 0.070 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.06 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

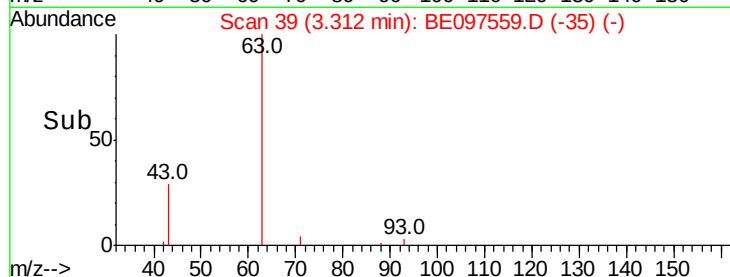
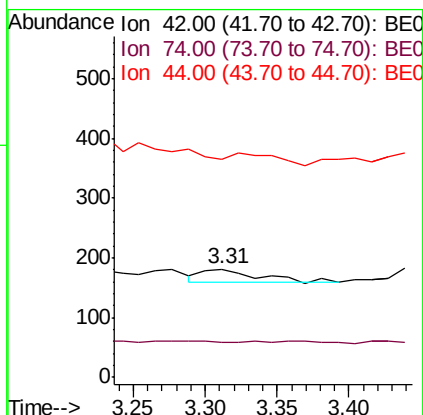
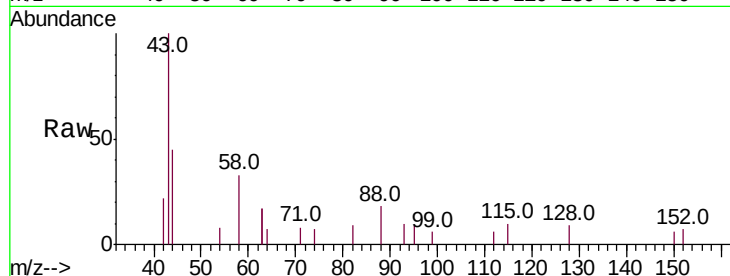
Tot Ion: 42 Resp: 61

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

44 72.1 12.0 18.0#



#4

2-Fluorophenol

Concen: 0.222 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

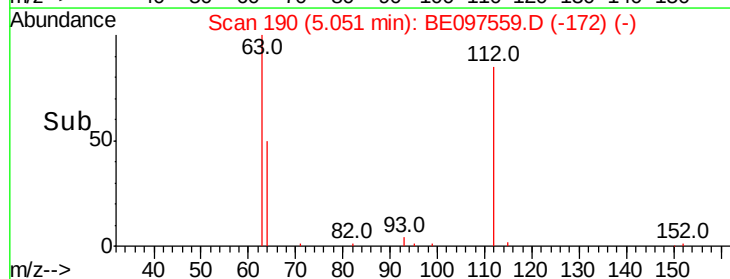
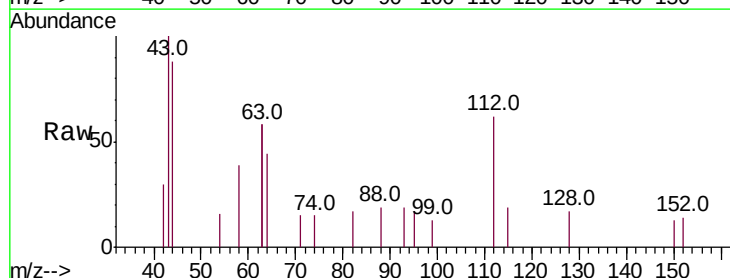
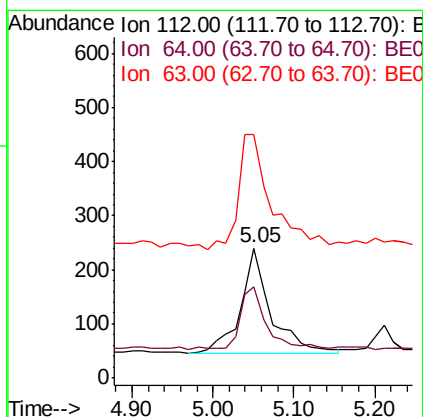
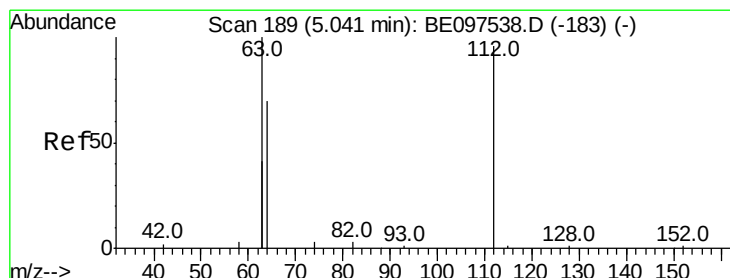
Tgt Ion: 112 Resp: 500

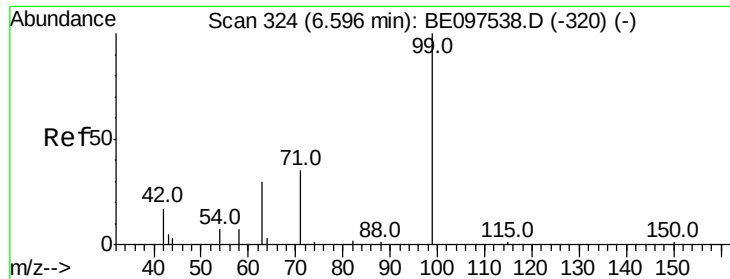
Ion Ratio Lower Upper

112 100

64 49.4 60.1 90.1#

63 124.6 116.8 175.2





#5

Phenol-d6

Concen: 0.101 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

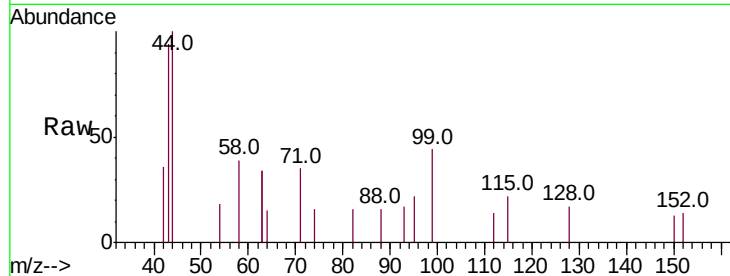
Tot Ion: 99 Resp: 290

Ion Ratio Lower Upper

99 100

42 16.6 20.2 30.2#

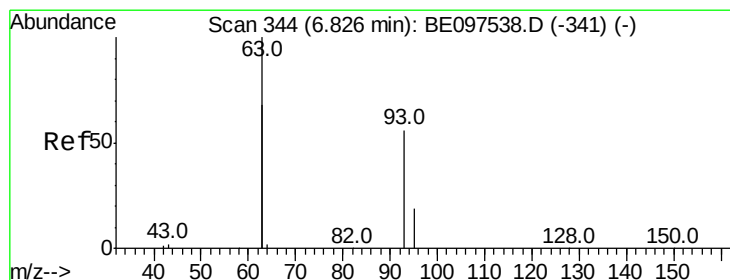
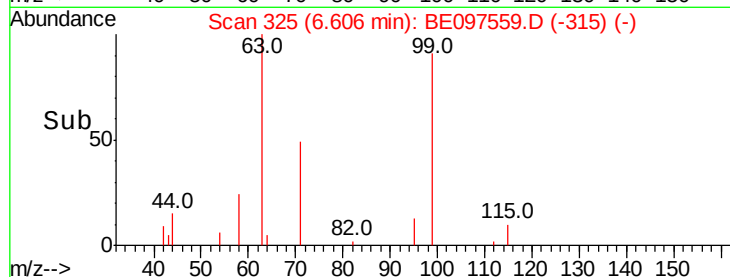
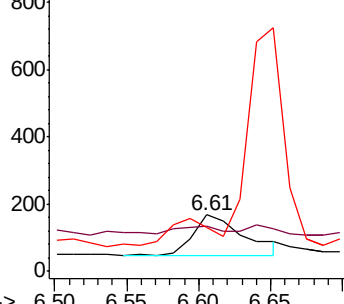
71 64.8 28.4 42.6#



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: 0.006 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.02 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

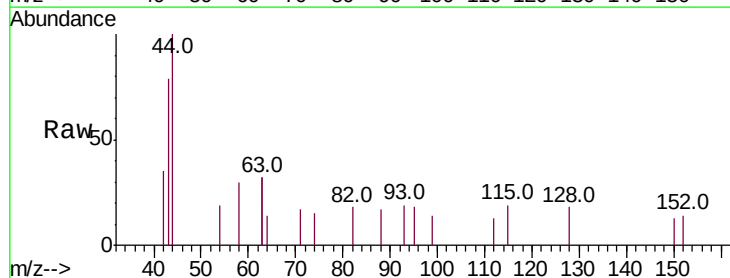
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

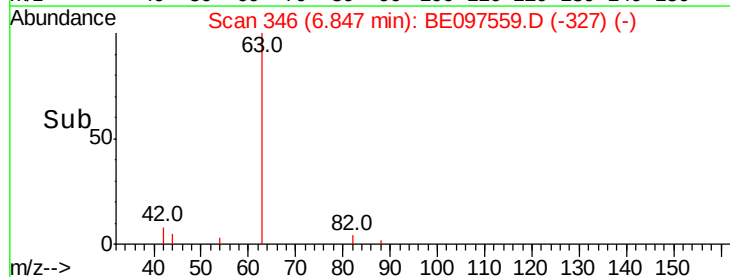
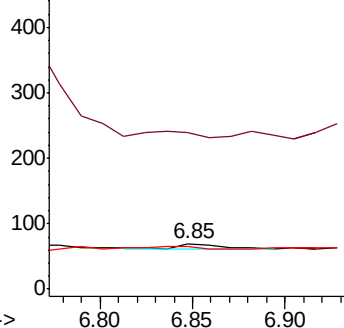
95 46.7 25.2 37.8#

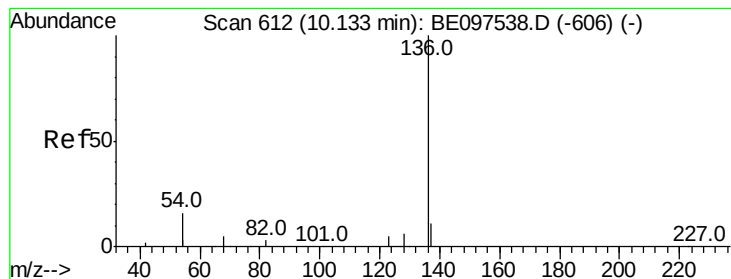


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

Tot Ion:136 Resp: 3667

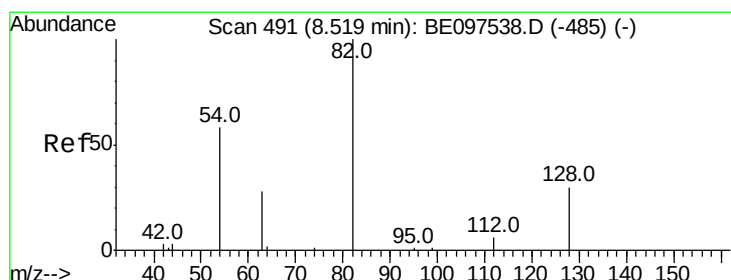
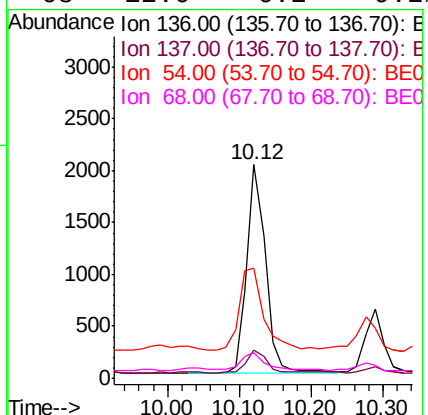
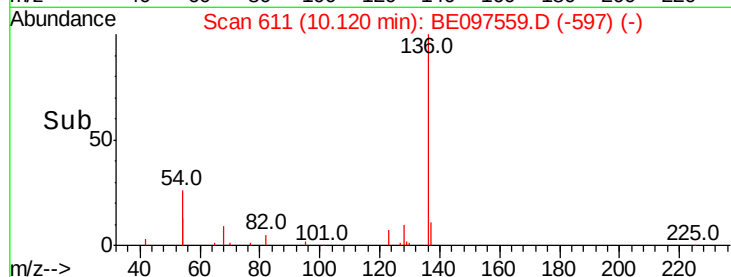
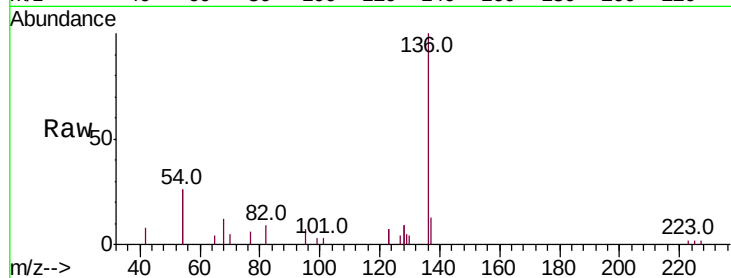
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 51.4 29.1 43.7#

68 12.0 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.404 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

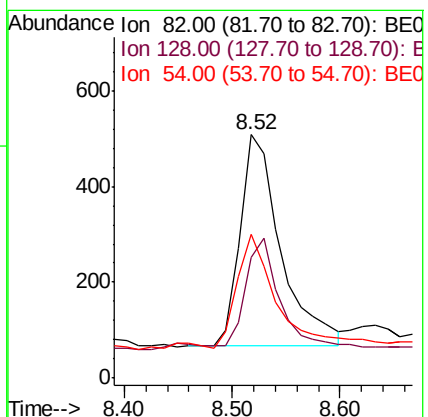
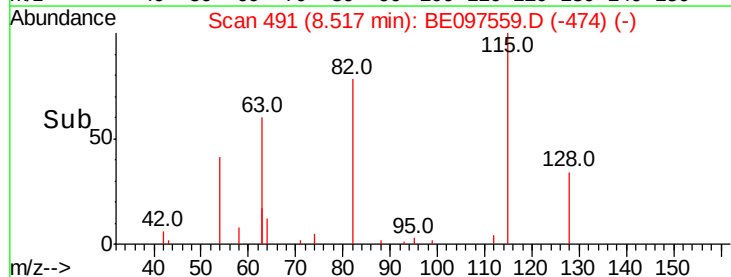
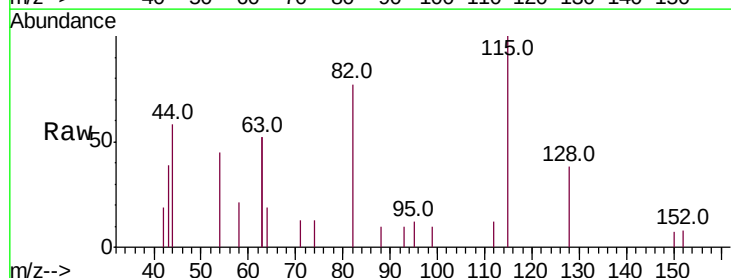
Tgt Ion: 82 Resp: 1145

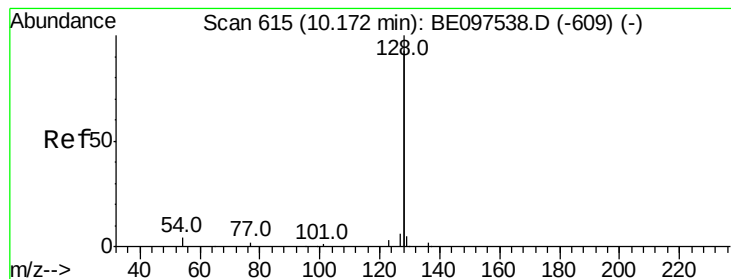
Ion Ratio Lower Upper

82 100

128 49.8 24.0 36.0#

54 58.9 40.0 60.0





#9

Naphthalene

Concen: 0.041 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

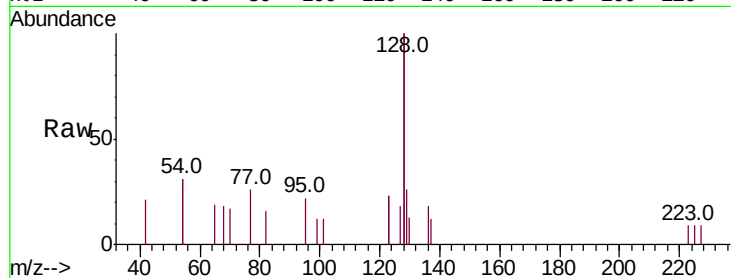
Tot Ion:128 Resp: 1341

Ion Ratio Lower Upper

128 100

129 13.0 2.6 3.8#

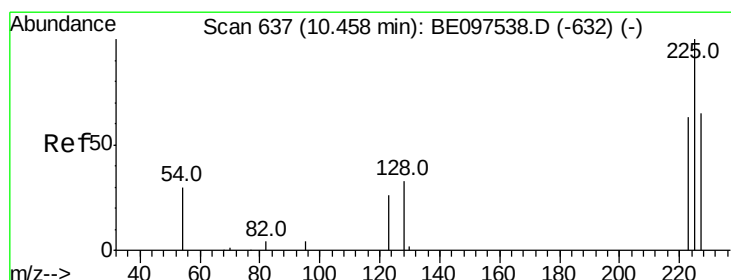
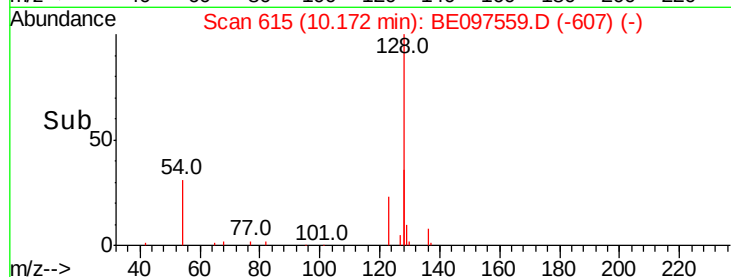
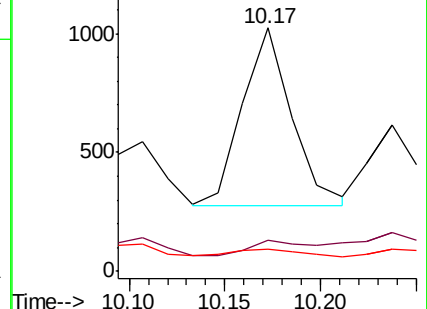
127 9.1 2.8 4.2#



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: 0.002 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

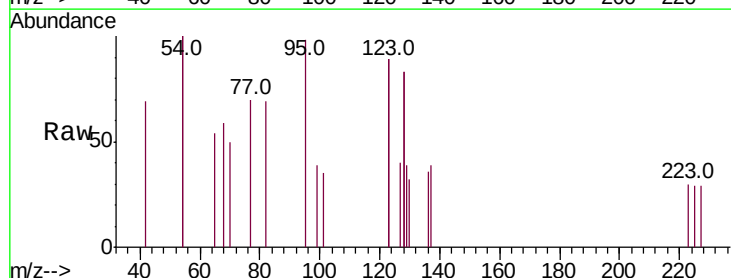
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

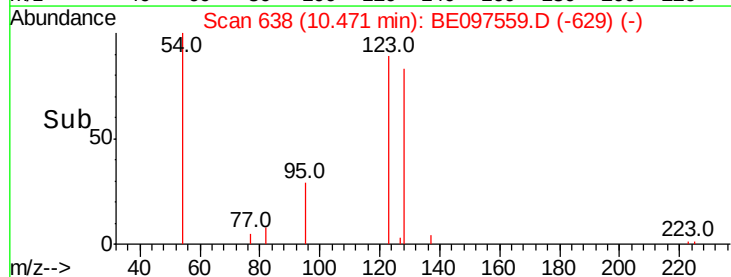
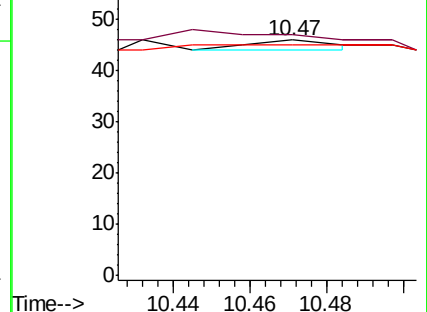
227 0.0 51.4 77.2#

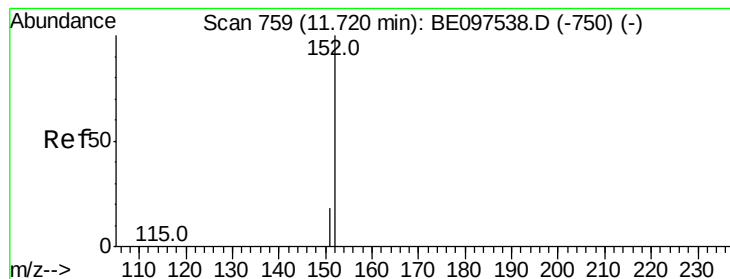


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.424 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

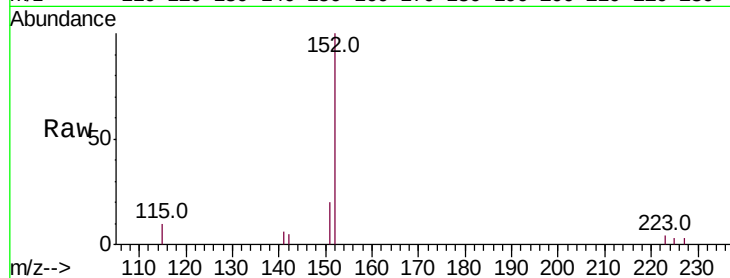
BP-TT-AOC22-MW10-20180915

Tot Ion:152 Resp: 2141

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.71

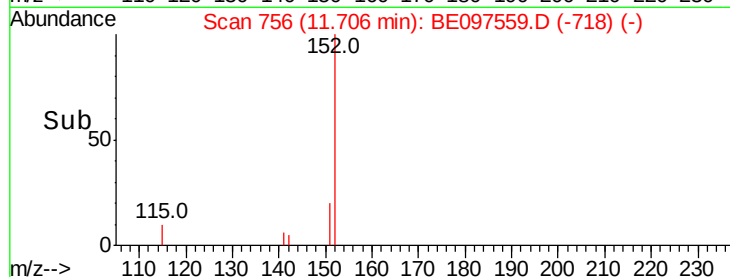
1500

1000

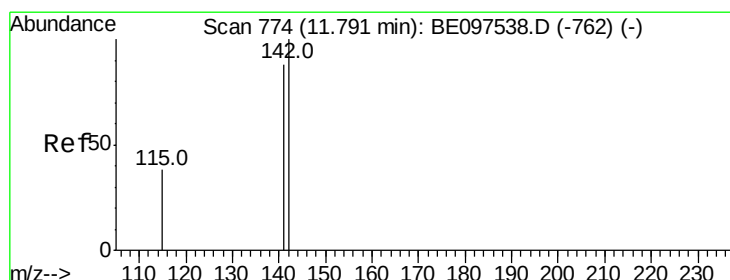
500

0

Time-->



Time-->



#12

2-Methylnaphthalene

Concen: 0.016 ng

RT: 11.78 min Scan# 772

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

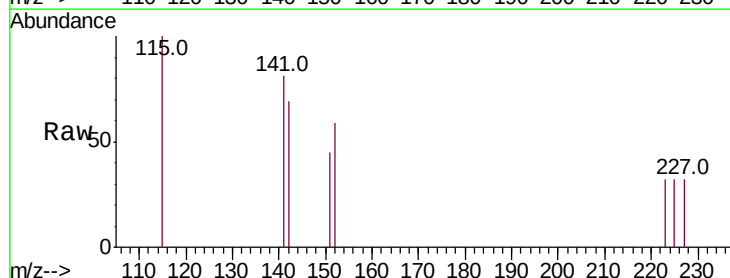
Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

142 100

141 118.0 70.4 105.6#

115 145.0 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

200

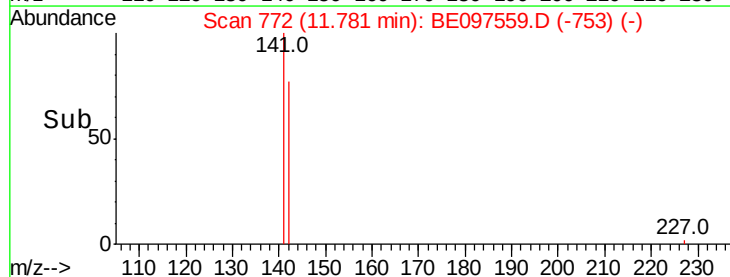
150

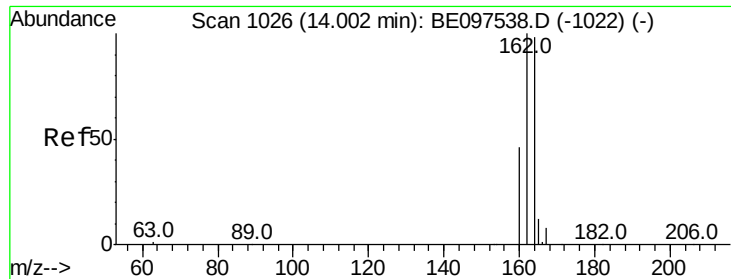
100

50

0

Time-->

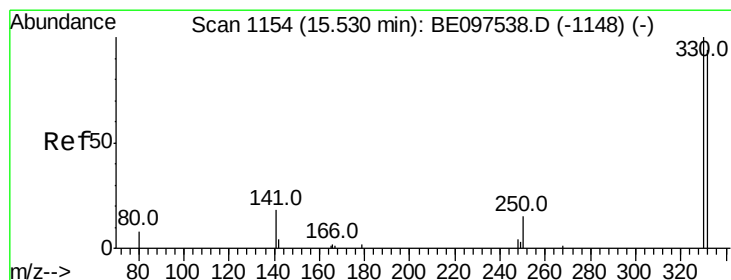
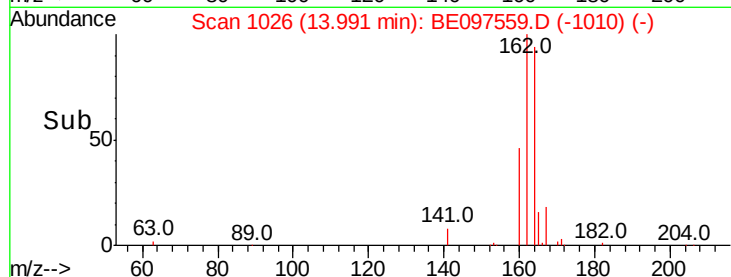
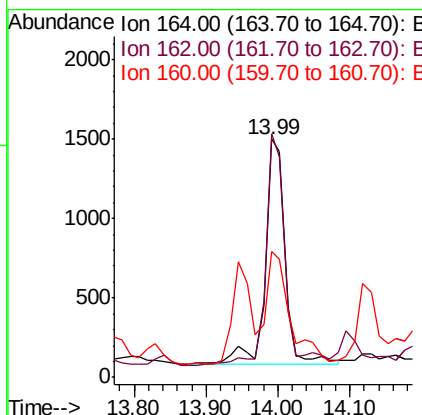
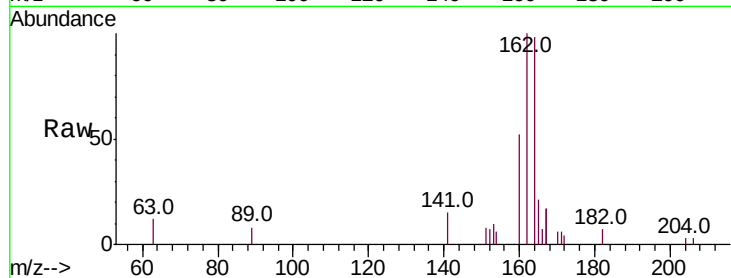




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.99 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

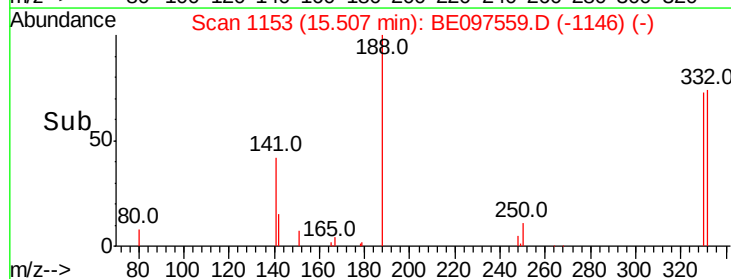
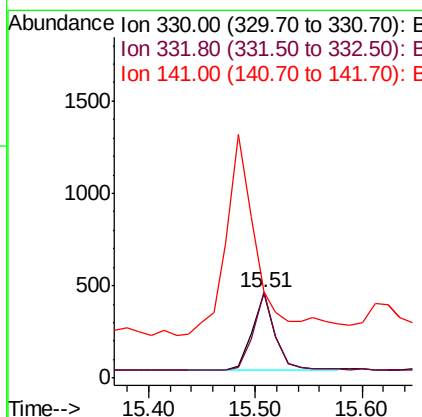
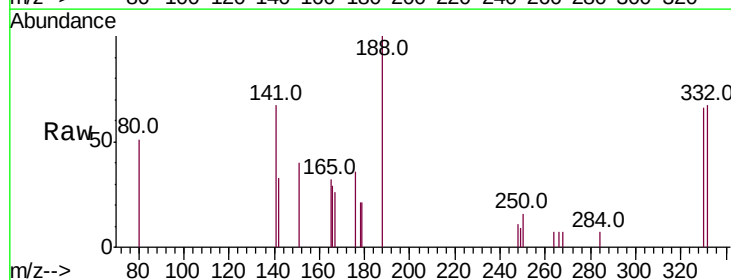
Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW10-20180915

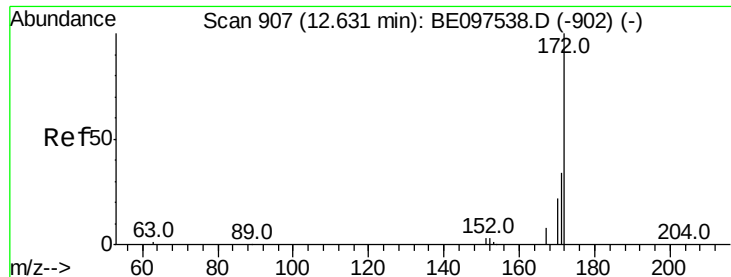
Tot Ion:164 Resp: 2784
Ion Ratio Lower Upper
164 100
162 102.2 83.1 124.7
160 53.0 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.541 ng
RT: 15.51 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

Tgt Ion:330 Resp: 613
Ion Ratio Lower Upper
330 100
332 98.0 152.7 229.1#
141 0.0 33.7 50.5#

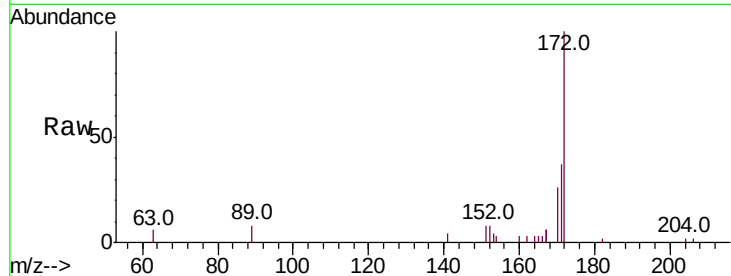




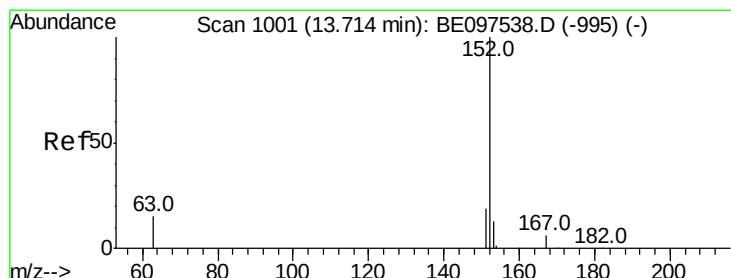
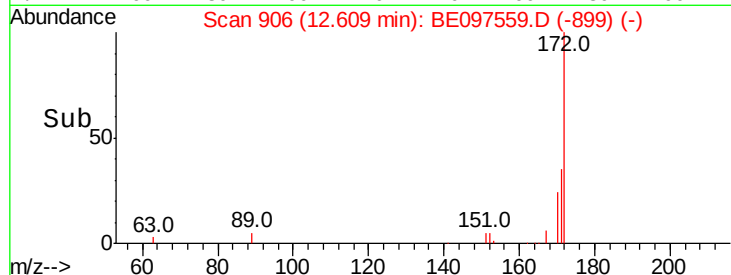
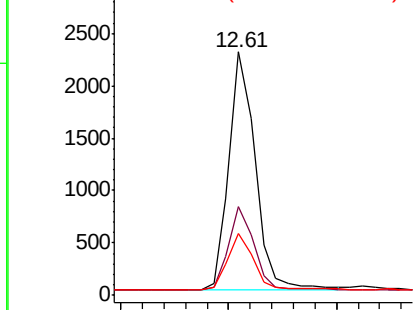
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 12.61 min Scan# 906
Delta R.T. -0.02 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW10-20180915

Tot Ion:172 Resp: 3864
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 25.6 21.8 32.8

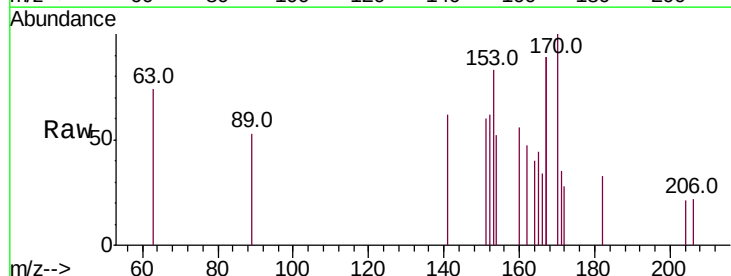


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

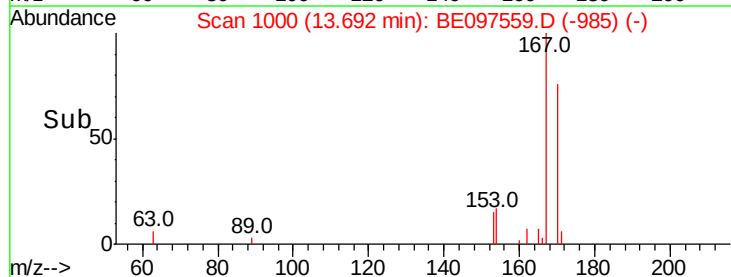
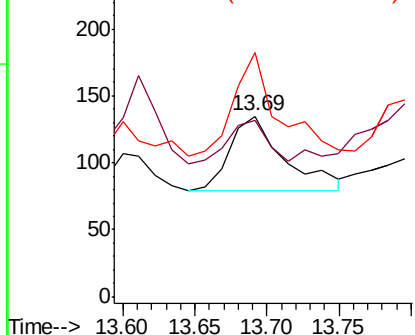


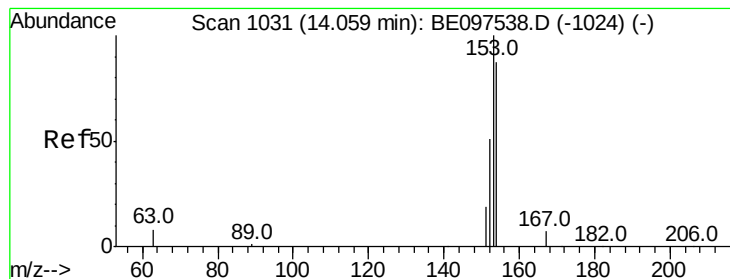
#16
Acenaphthylene
Concen: 0.013 ng
RT: 13.69 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

Tgt Ion:152 Resp: 146
Ion Ratio Lower Upper
152 100
151 43.8 15.7 23.5#
153 117.1 10.5 15.7#



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





#17

Acenaphthene

Concen: 0.003 ng

RT: 13.99 min Scan# 1026

Delta R.T. -0.07 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

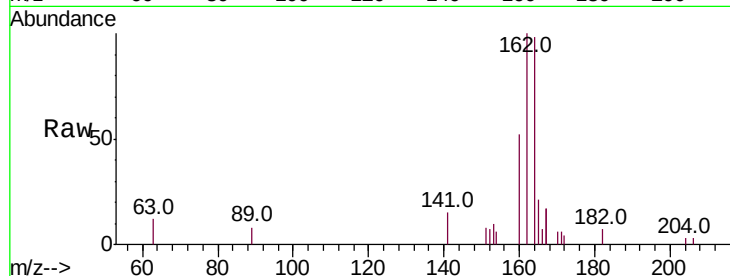
Tot Ion:154 Resp: 23

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

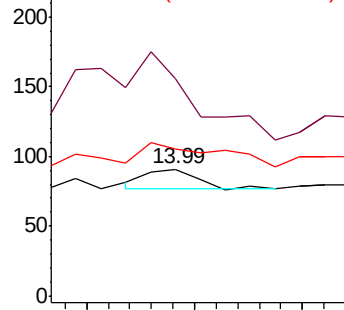
152 191.3 42.0 63.0#



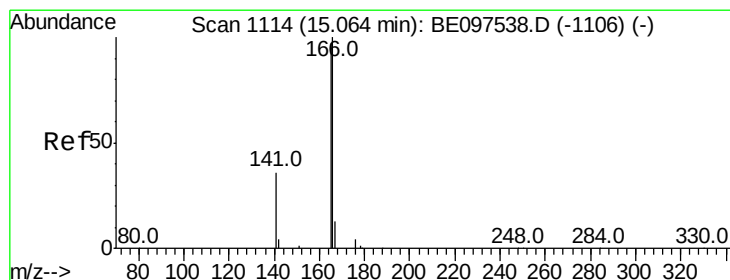
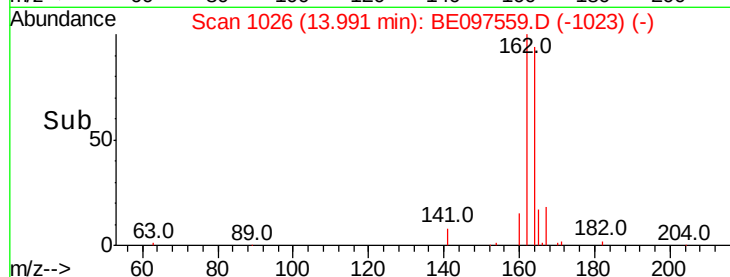
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.009 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

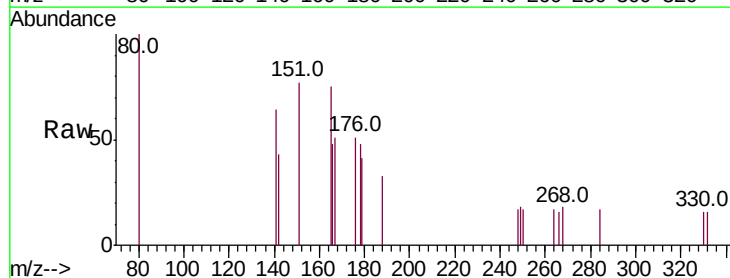
Tgt Ion:166 Resp: 91

Ion Ratio Lower Upper

166 100

165 87.9 77.8 116.6

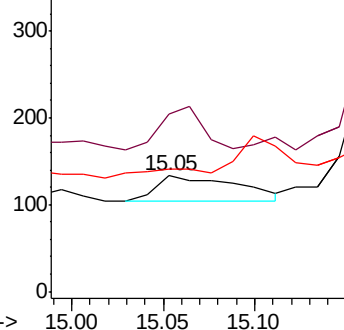
167 0.0 42.4 63.6#



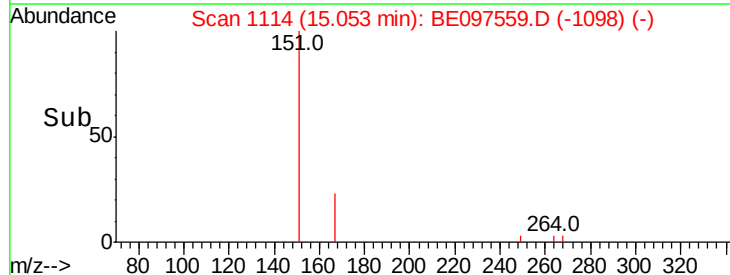
Abundance Ion 166.00 (165.70 to 166.70): E

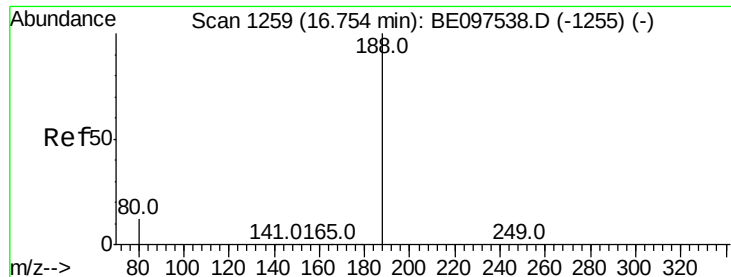
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

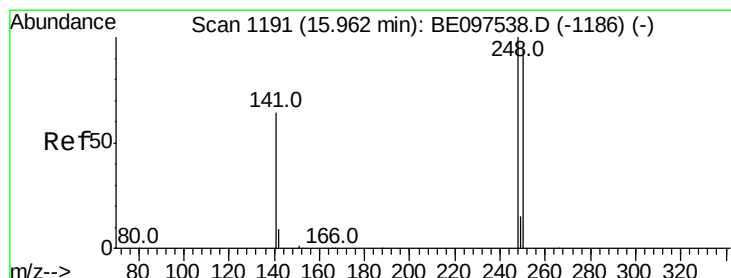
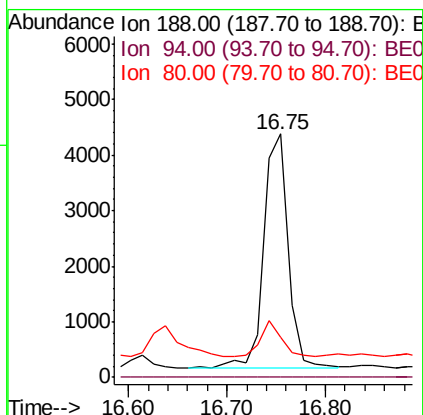
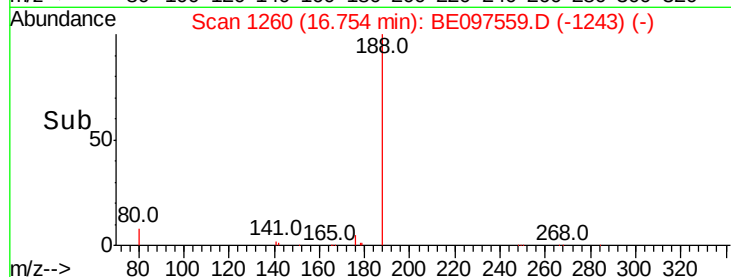
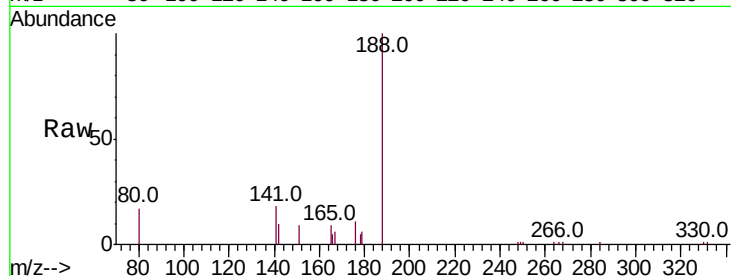
Tot Ion:188 Resp: 7164

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 16.6 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.000 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

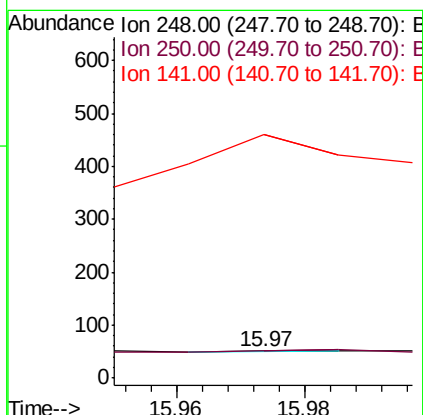
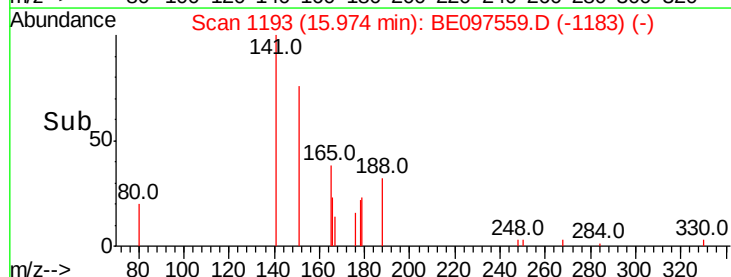
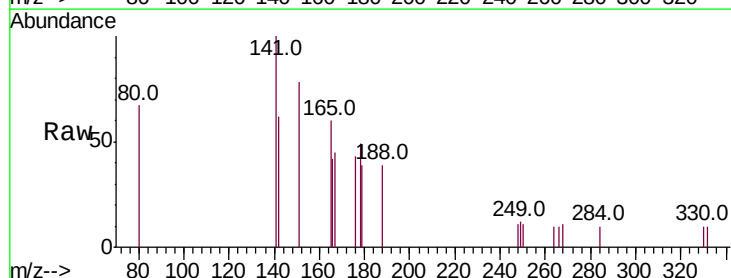
Tgt Ion:248 Resp: 1

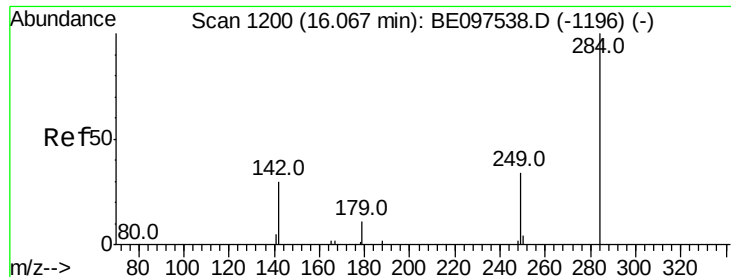
Ion Ratio Lower Upper

248 100

250 102.0 62.7 94.1#

141 902.0 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.09 min Scan# 1203

Delta R.T. 0.02 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

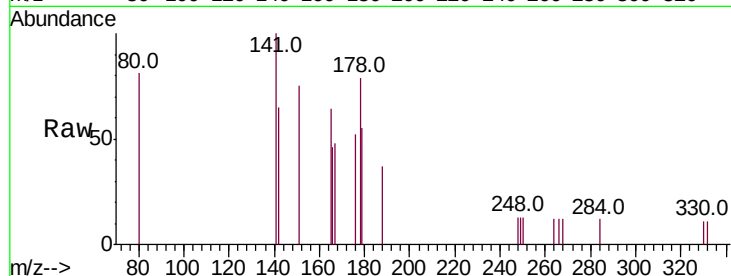
BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

Tot Ion:284 Resp: 2

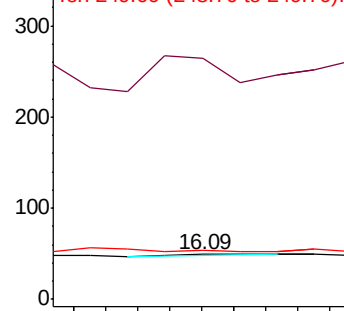
Ion	Ratio	Lower	Upper
284	100		
142	2950.0	22.1	33.1#
249	0.0	34.8	52.2#



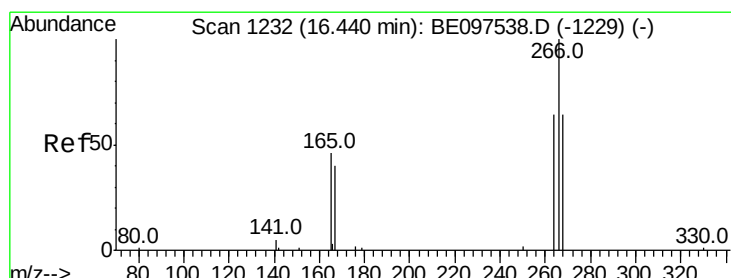
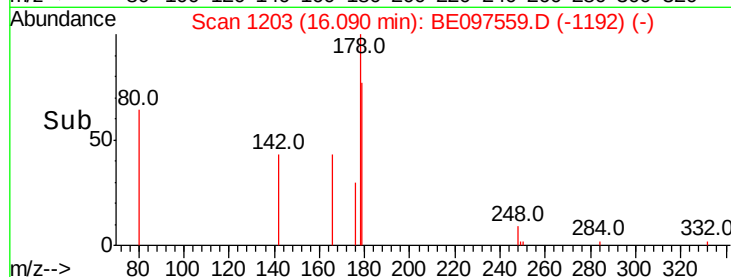
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time--> 16.05 16.10



#22

Pentachlorophenol

Concen: 0.145 ng

RT: 16.43 min Scan# 1232

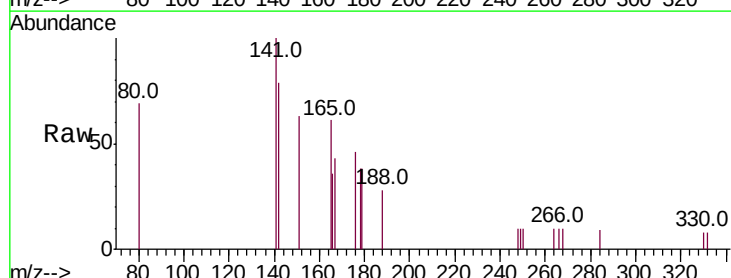
Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Tgt Ion:266 Resp: 25

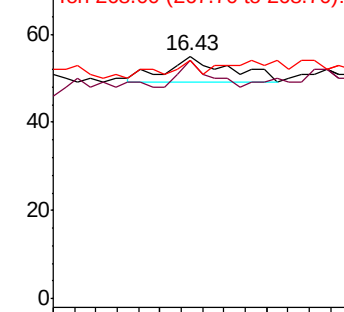
Ion	Ratio	Lower	Upper
266	100		
264	98.2	72.5	108.7
268	98.2	73.8	110.6



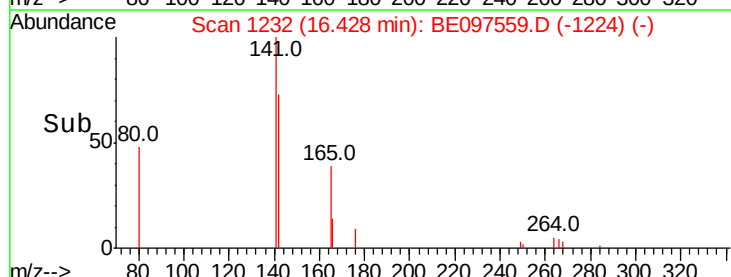
Abundance Ion 266.00 (265.70 to 266.70): E

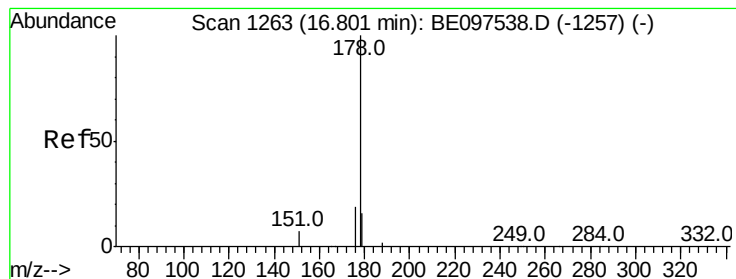
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 16.30 16.40 16.50





#23

Phenanthrene

Concen: 0.012 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument:

BNA_E

ClientSampleId:

BP-TT-AOC22-MW10-20180915

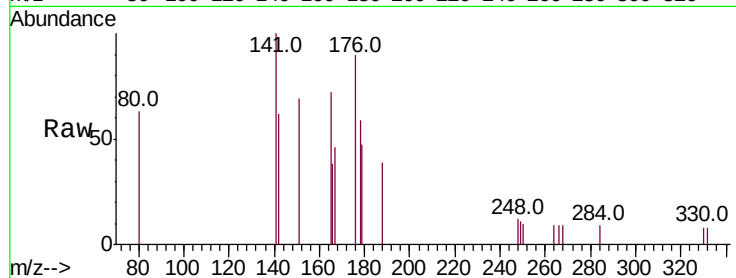
Tot Ion:178 Resp: 201

Ion Ratio Lower Upper

178 100

176 520.4 15.1 22.7#

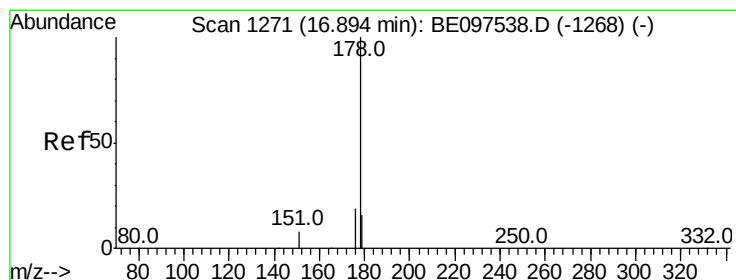
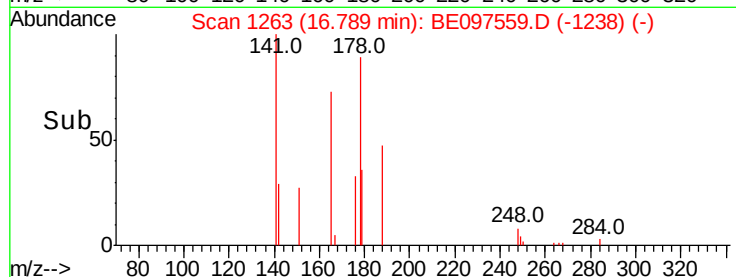
179 74.6 11.8 17.6#



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: 0.011 ng

RT: 16.88 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

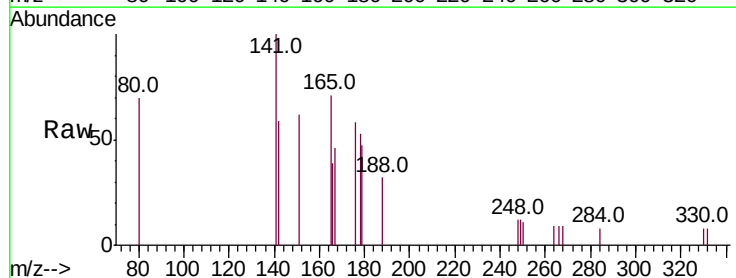
Tgt Ion:178 Resp: 158

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

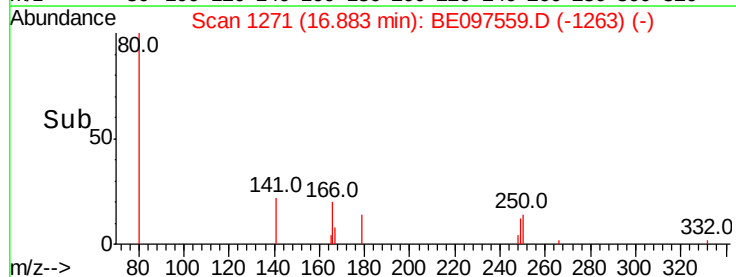
179 52.5 13.0 19.6#

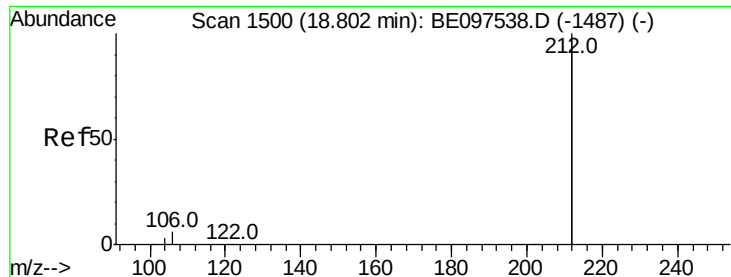


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.461 ng

RT: 18.79 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

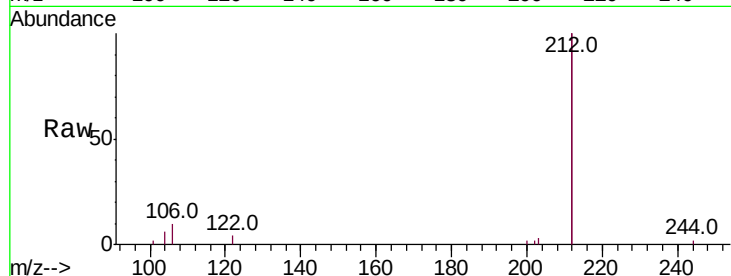
Tot Ion:212 Resp: 42305

Ion Ratio Lower Upper

212 100

106 3.9 2.8 4.2

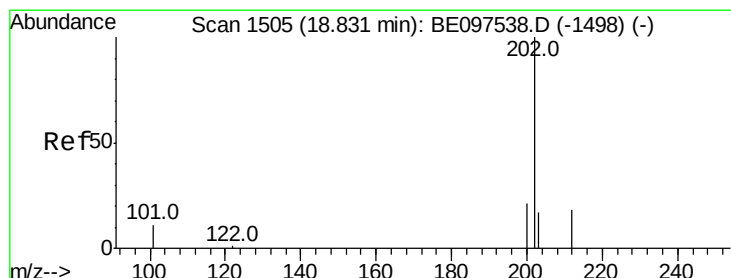
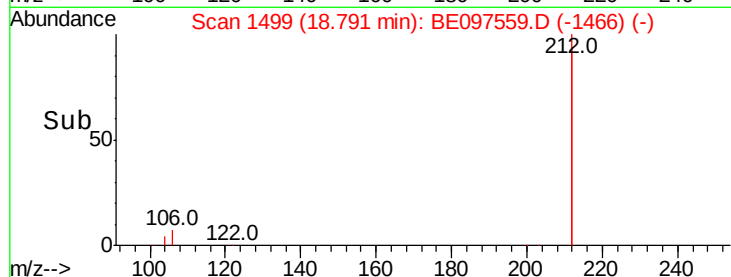
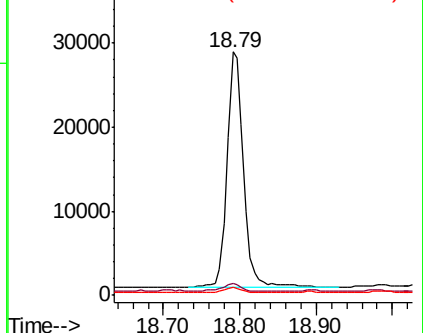
104 2.7 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.004 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

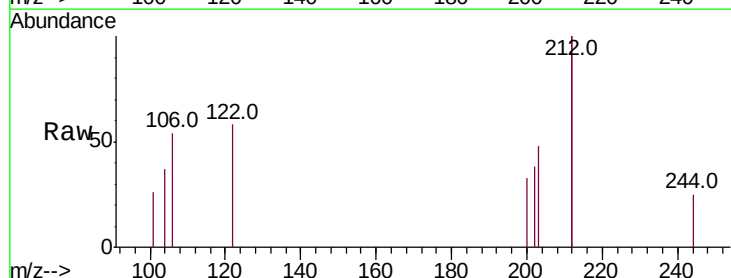
Tgt Ion:202 Resp: 88

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

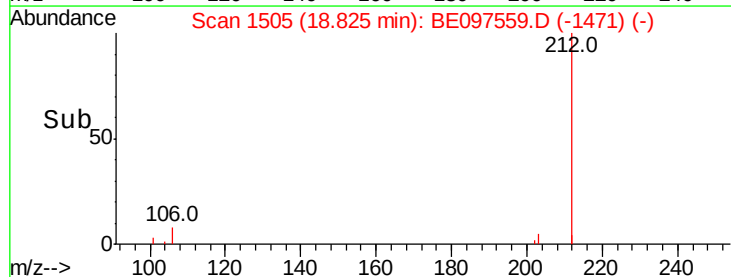
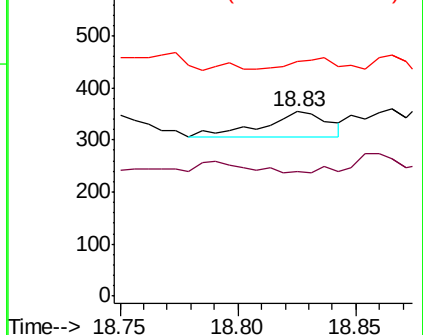
203 31.8 13.7 20.5#

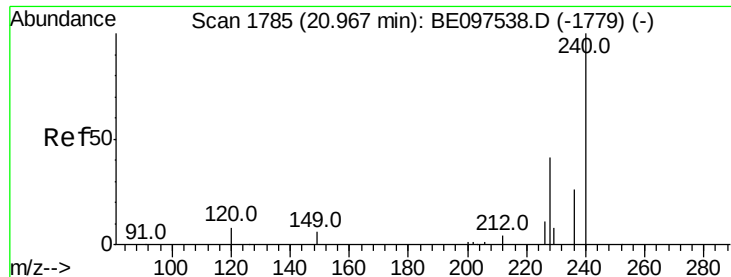


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

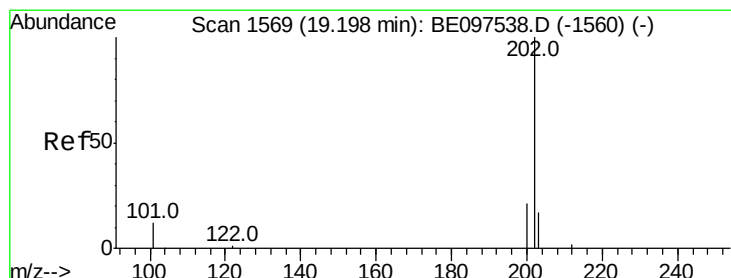
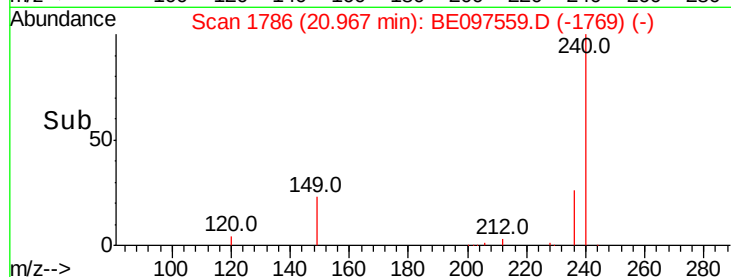
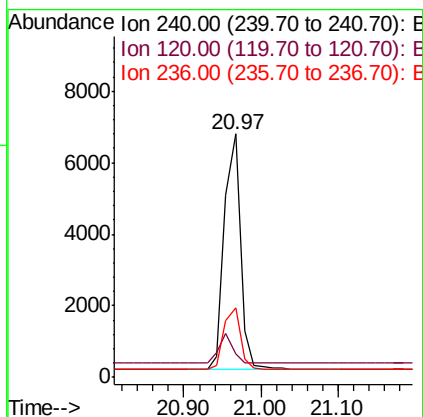
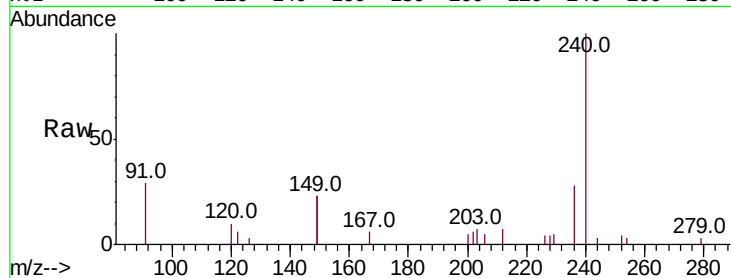




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

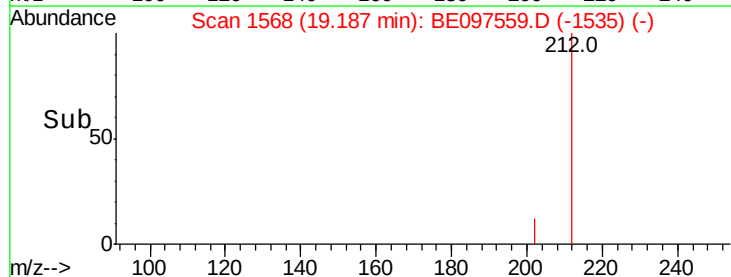
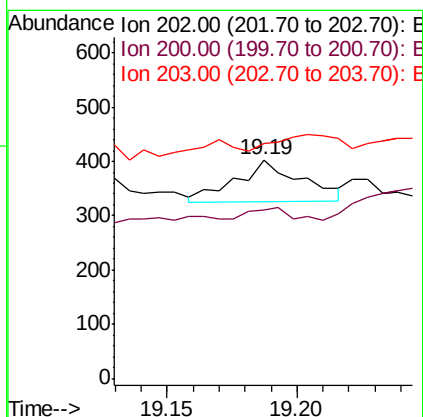
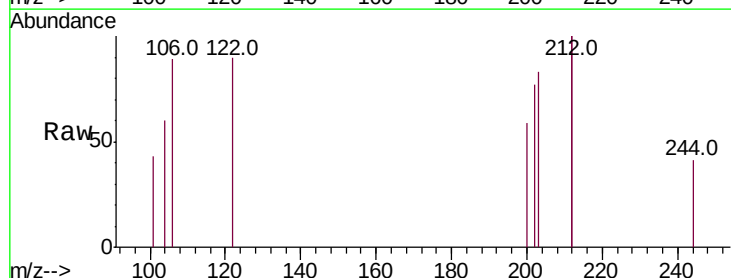
Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW10-20180915

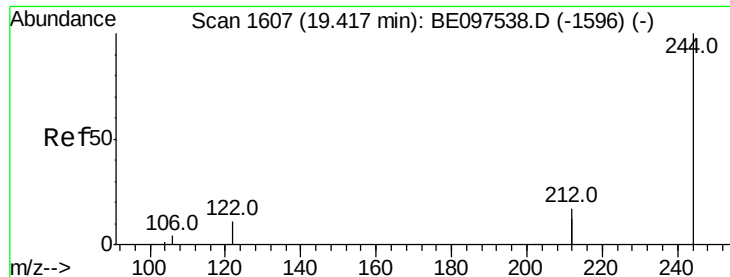
Tot Ion:240 Resp: 9635
Ion Ratio Lower Upper
240 100
120 9.7 5.5 8.3#
236 28.5 20.7 31.1



#28
Pyrene
Concen: 0.006 ng
RT: 19.19 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BE097559.D
Acq: 20 Sep 2018 2:48

Tgt Ion:202 Resp: 132
Ion Ratio Lower Upper
202 100
200 18.2 16.6 25.0
203 39.4 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.546 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

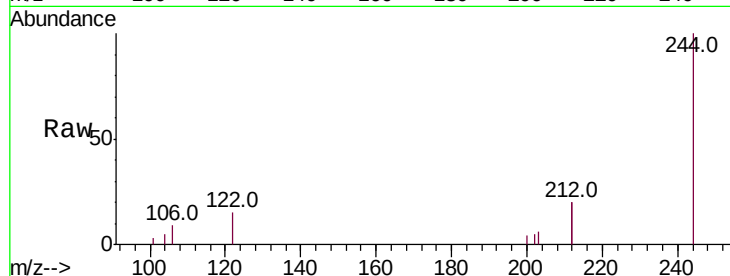
Tot Ion:244 Resp: 9633

Ion Ratio Lower Upper

244 100

212 39.7 25.4 38.0#

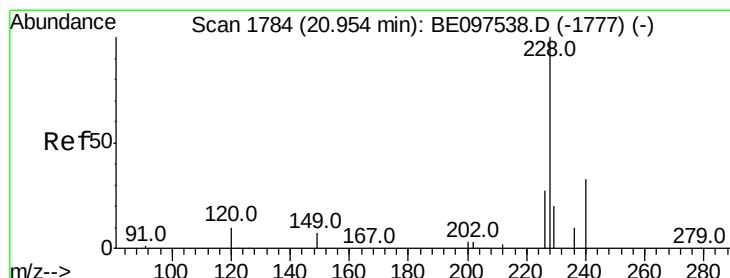
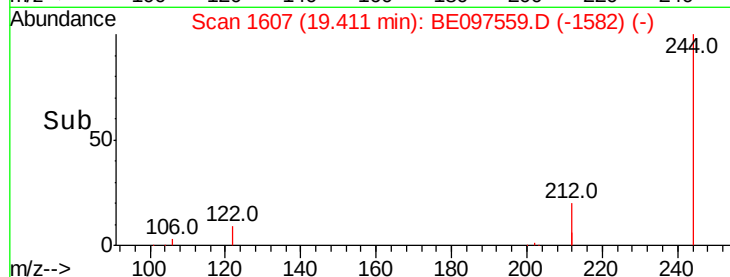
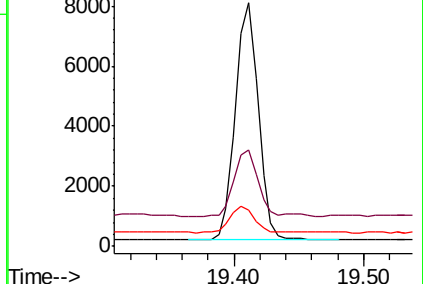
122 15.0 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

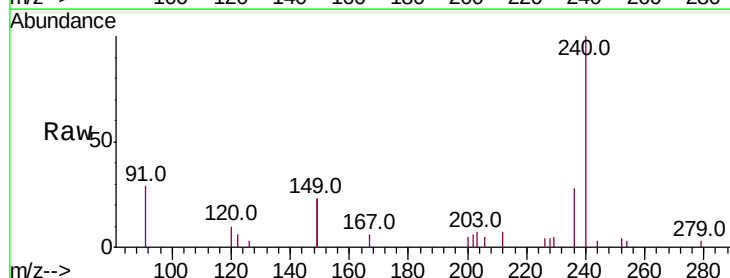
Tgt Ion:228 Resp: 94

Ion Ratio Lower Upper

228 100

226 85.0 24.0 36.0#

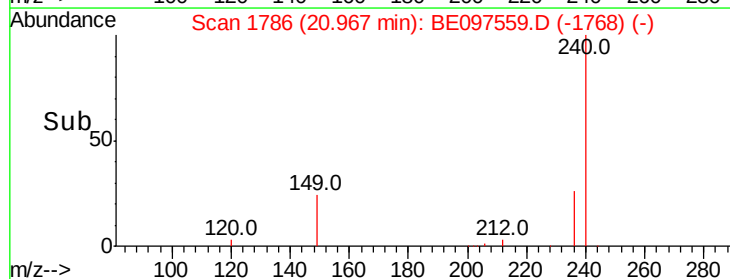
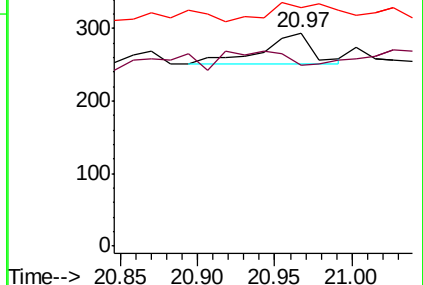
229 111.6 16.0 24.0#

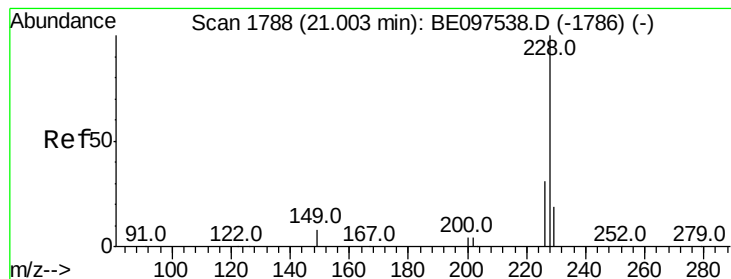


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.001 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

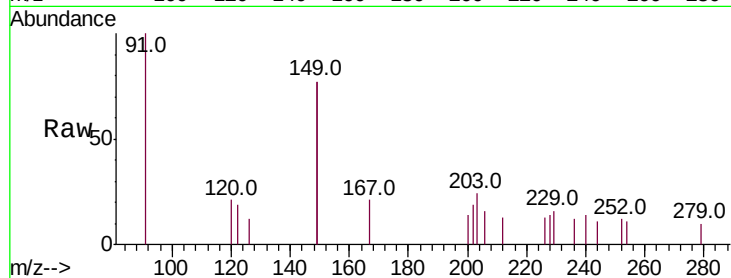
Tot Ion:228 Resp: 20

Ion Ratio Lower Upper

228 100

226 94.2 24.0 36.0#

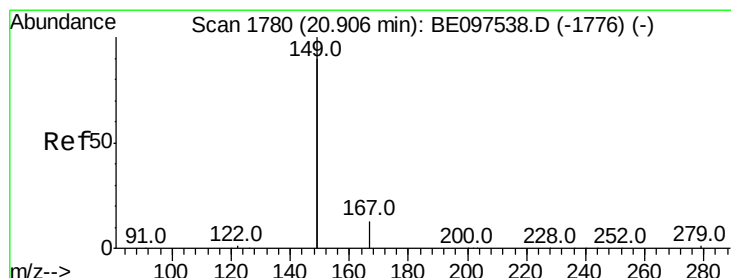
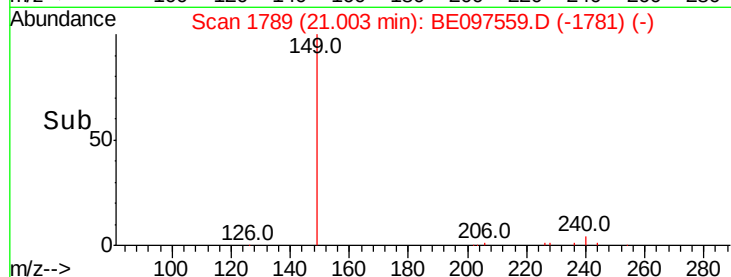
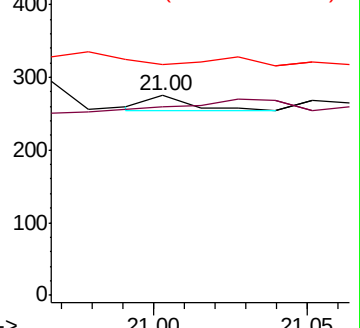
229 115.6 16.0 24.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.124 ng

RT: 20.91 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

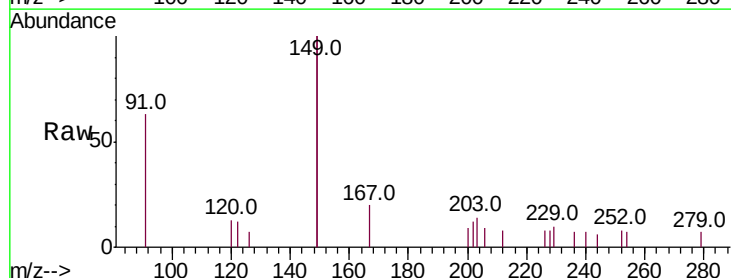
Tgt Ion:149 Resp: 4646

Ion Ratio Lower Upper

149 100

167 8.5 5.4 8.0#

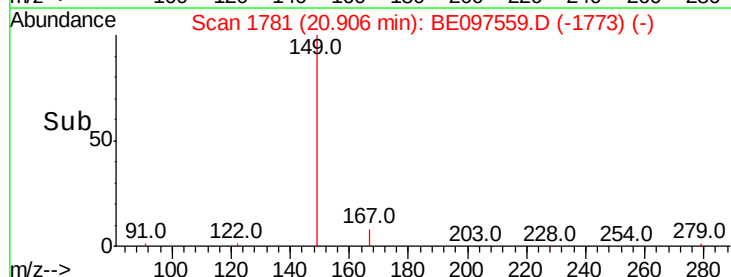
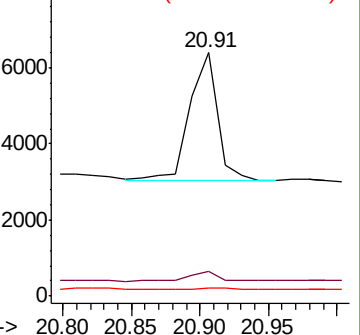
279 2.6 0.7 1.1#

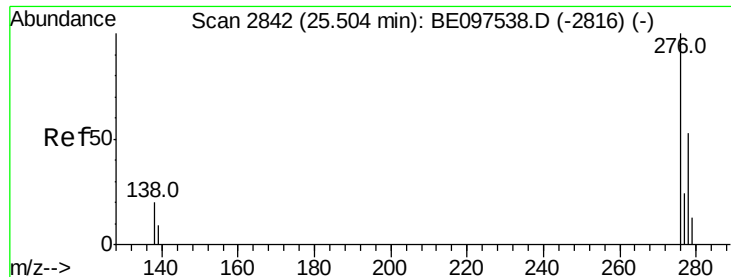


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.000 ng

RT: 25.50 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

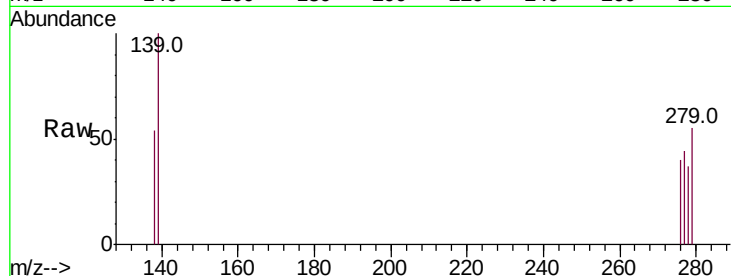
Tot Ion:276 Resp: 9

Ion Ratio Lower Upper

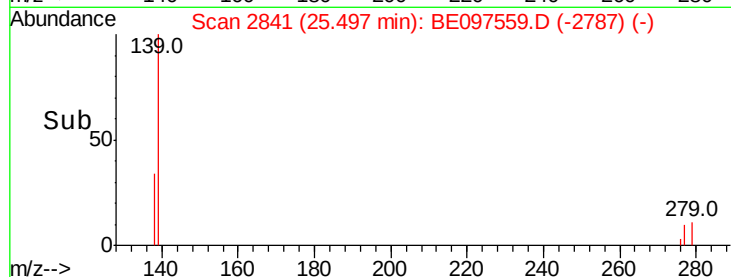
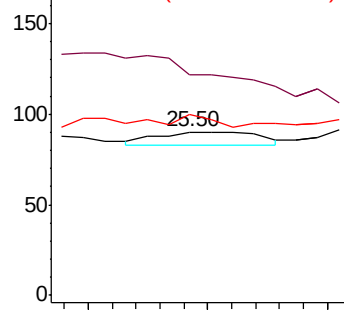
276 100

138 0.0 22.5 33.7#

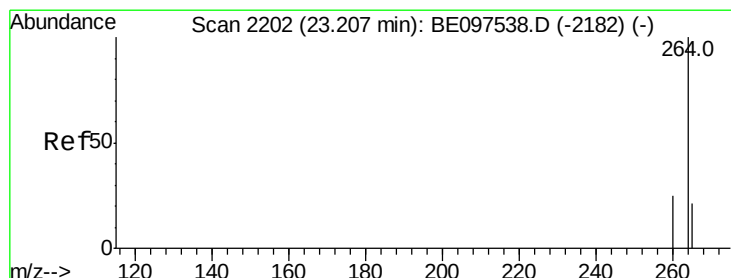
277 0.0 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

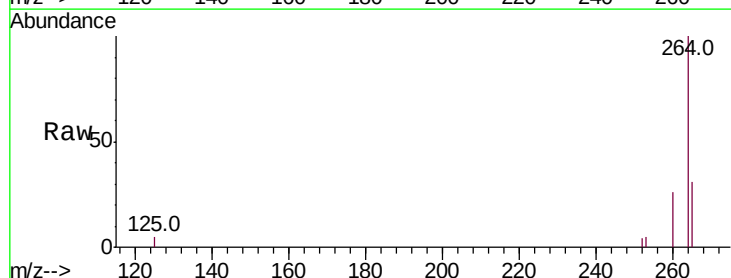
Tgt Ion:264 Resp: 9756

Ion Ratio Lower Upper

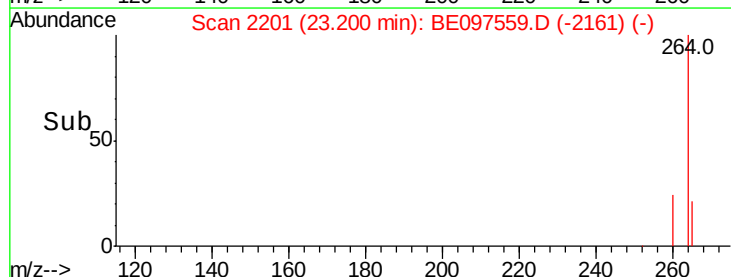
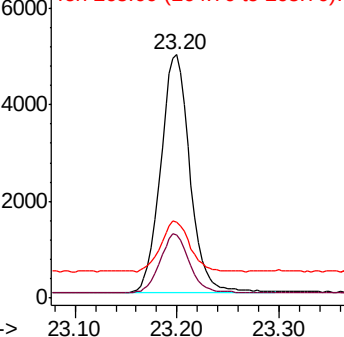
264 100

260 26.0 20.5 30.7

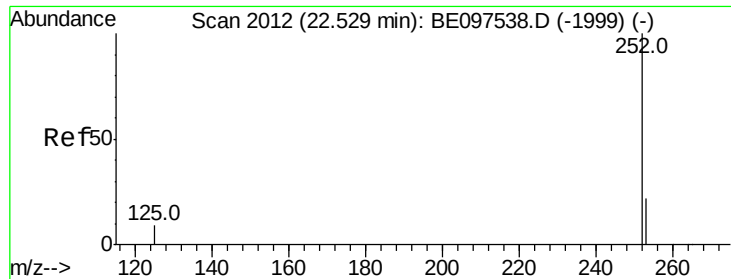
265 31.3 22.8 34.2



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



Time-->



#35

Benzo(b)fluoranthene

Concen: 0.000 ng

RT: 22.52 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

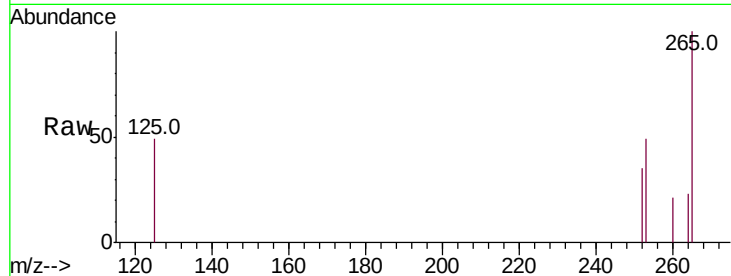
Tot Ion:252 Resp: 7

Ion Ratio Lower Upper

252 100

253 138.5 20.0 30.0#

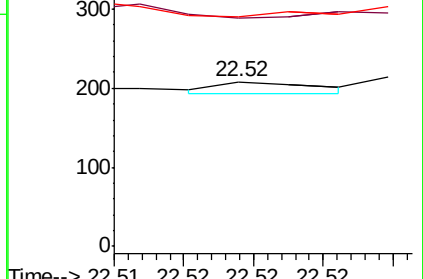
125 139.9 16.0 24.0#



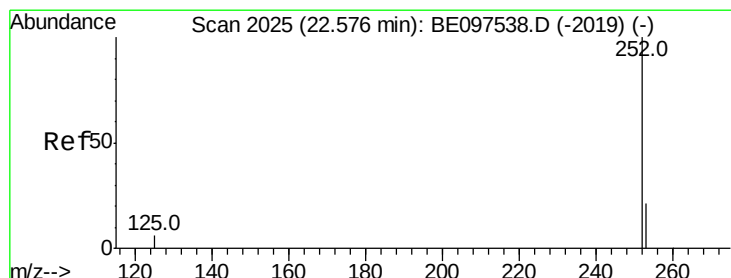
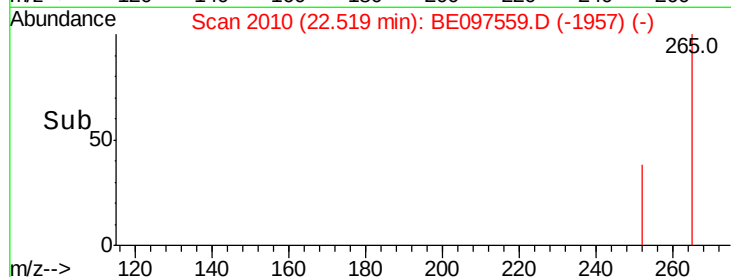
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 22.55 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

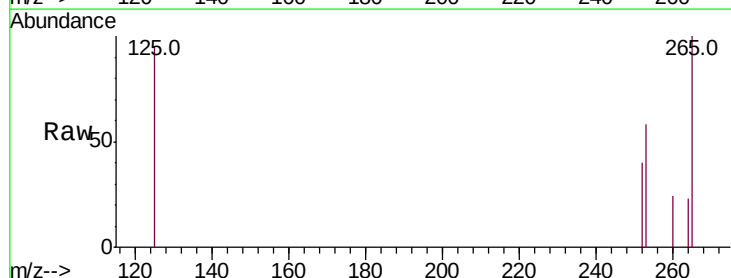
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 143.9 16.0 24.0#

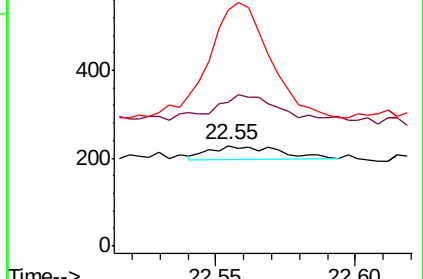
125 235.5 8.0 12.0#



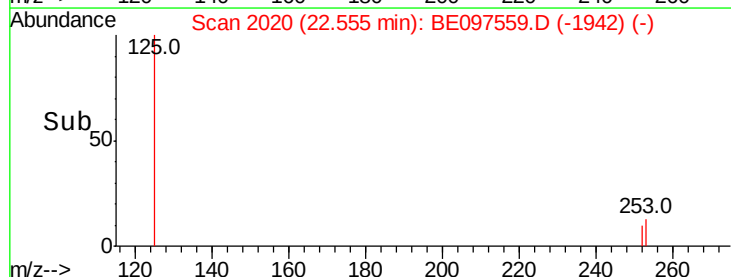
Abundance Ion 252.00 (251.70 to 252.70): E

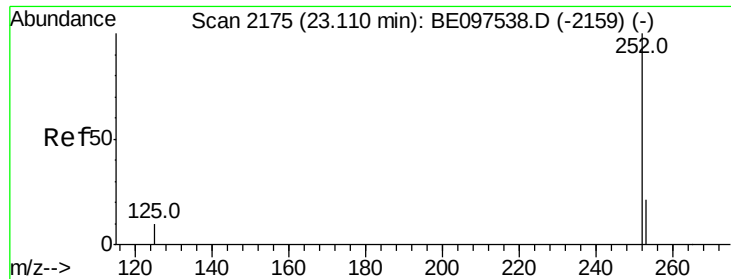
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.09 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915

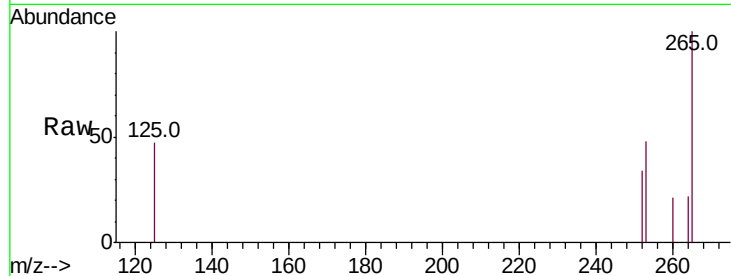
Tot Ion:252 Resp: 16

Ion Ratio Lower Upper

252 100

253 141.1 16.0 24.0#

125 138.0 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

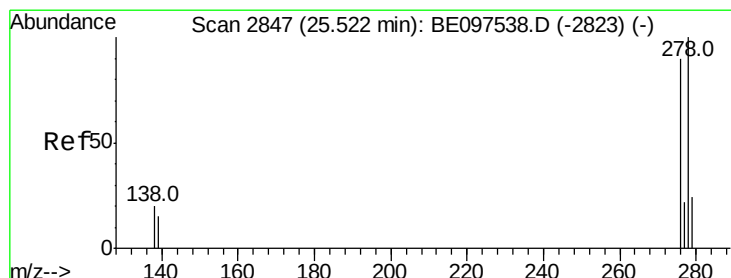
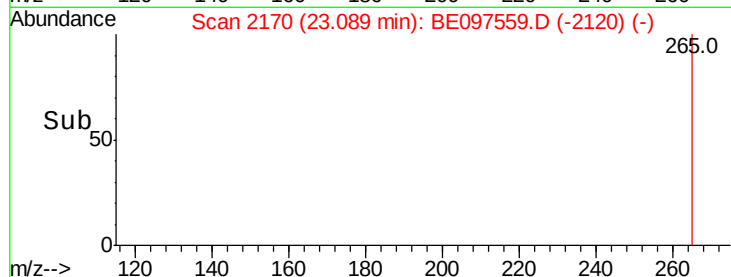
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.09

23.08 23.10

Time-->



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 25.53 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BE097559.D

Acq: 20 Sep 2018 2:48

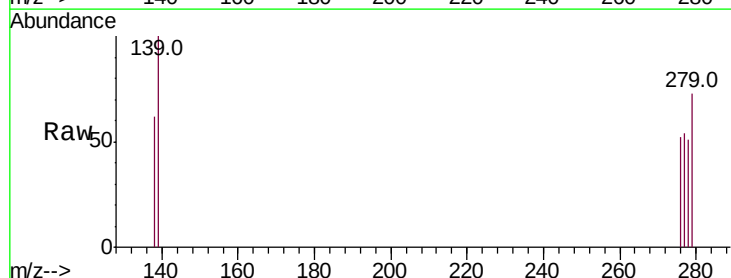
Tgt Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 195.4 16.0 24.0#

279 142.5 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

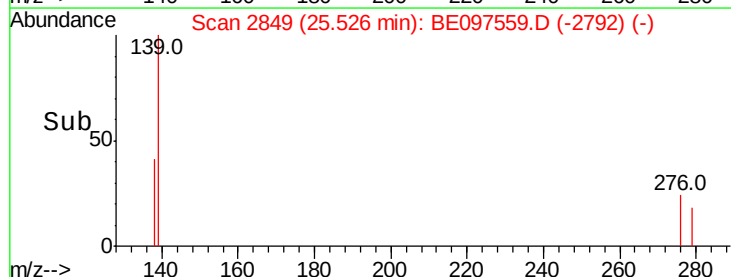
Ion 139.00 (138.70 to 139.70): E

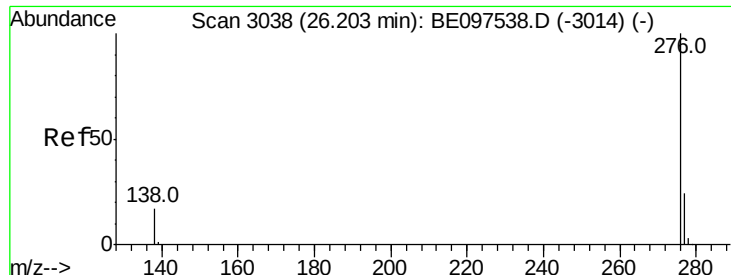
Ion 279.00 (278.70 to 279.70): E

25.53

25.52 25.54

Time-->





#39

Benzo(a,h,i)perylene

Concen: 0.000 ng

RT: 26.19 min Scan# 3036

Delta R.T. -0.01 min

Lab File: BE097559.D

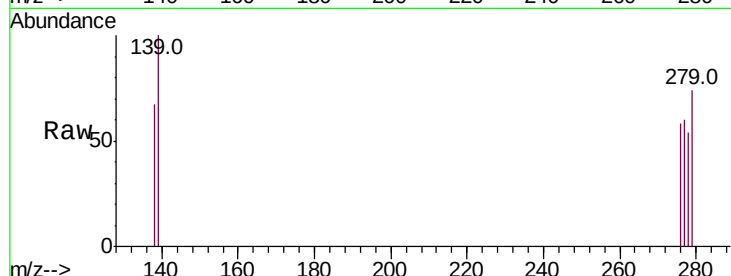
Acq: 20 Sep 2018 2:48

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW10-20180915



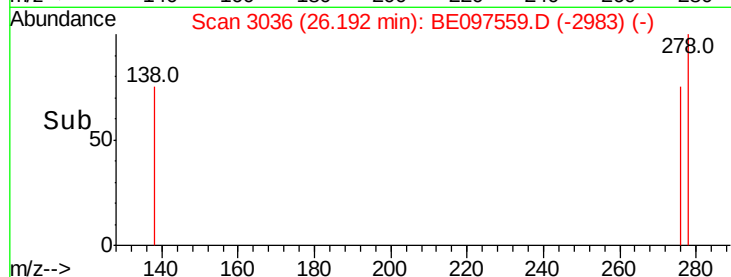
Tot Ion:276 Resp: 5

Ion Ratio Lower Upper

276 100

277 103.5 16.0 24.0#

138 115.1 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

