

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091718\
 Data File : BE097513.D
 Acq On : 18 Sep 2018 1:50
 Operator : SJ/JU
 Sample : J4741-36
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC10-01-B

Quant Time: Sep 18 07:09:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 18:57:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	909	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4392	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2627	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7280	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	8983	0.40	ng	0.00
34) Perylene-d12	23.20	264	8978	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	661	0.21	ng	0.00
5) Phenol-d6	6.61	99	493	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	1672	0.47	ng	-0.01
11) 2-Methylnaphthalene-d10	11.71	152	3160	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	659	0.47	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	5412	0.59	ng	0.00
25) Fluoranthene-d10	18.80	212	45825	0.52	ng	0.00
29) Terphenyl-d14	19.41	244	10102	0.59	ng	0.00

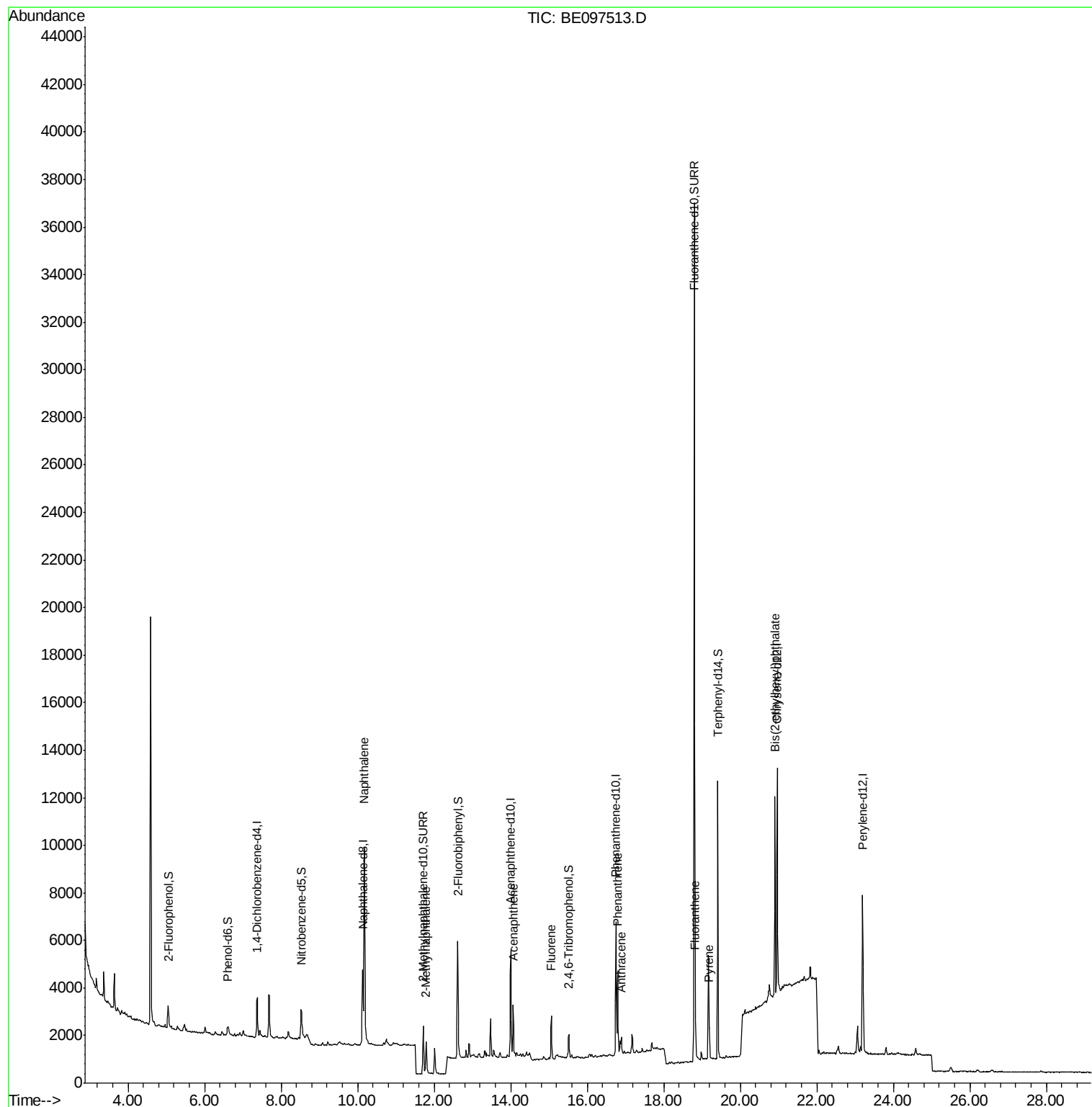
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.17	128	15553	0.390	ng	100
12) 2-Methylnaphthalene	11.79	142	1133	0.178	ng	96
17) Acenaphthene	14.06	154	1070	0.152	ng	95
18) Fluorene	15.06	166	1434	0.159	ng	# 79
23) Phenanthrene	16.80	178	3940	0.230	ng	97
24) Anthracene	16.89	178	720	0.046	ng	# 77
26) Fluoranthene	18.83	202	1453	0.065	ng	# 94
28) Pyrene	19.19	202	1223	0.053	ng	# 95
32) Bis(2-ethylhexyl)phthalate	20.91	149	9189	0.183	ng	# 100

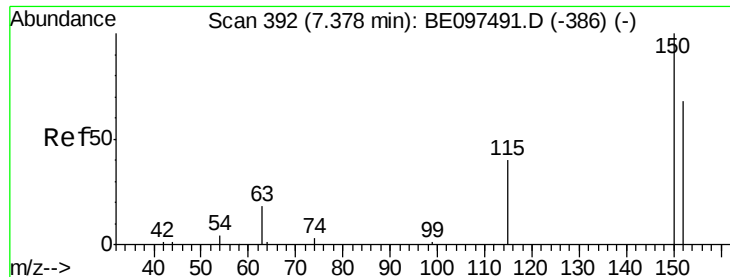
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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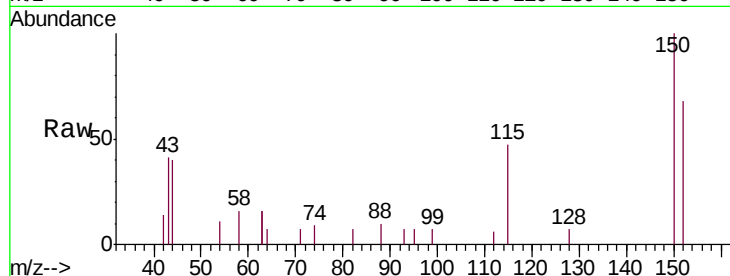


#1

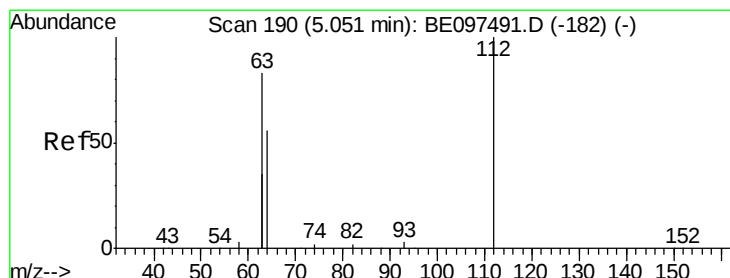
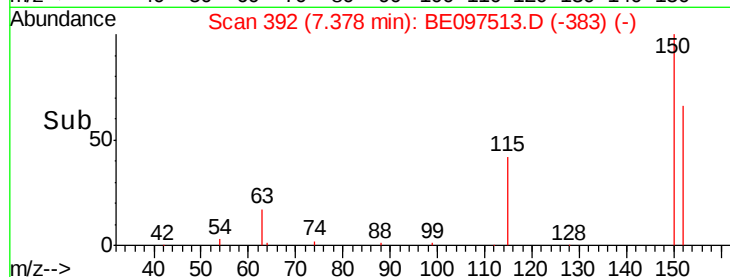
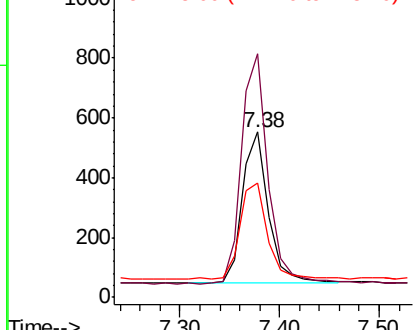
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097513.D
Acq: 18 Sep 2018 1:50

Instrument :
BNA_E
ClientSampleId :
AOC10-01-B

Tgt Ion:152 Resp: 909
Ion Ratio Lower Upper
152 100
150 147.2 117.2 175.8
115 69.1 57.0 85.6



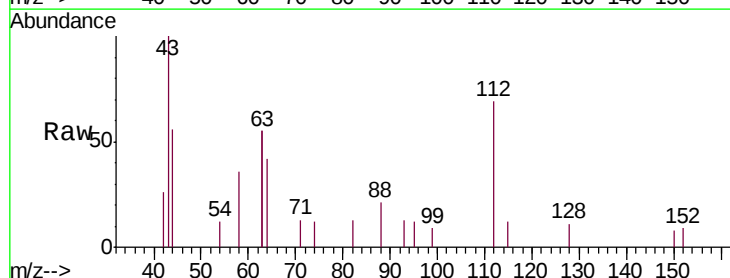
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



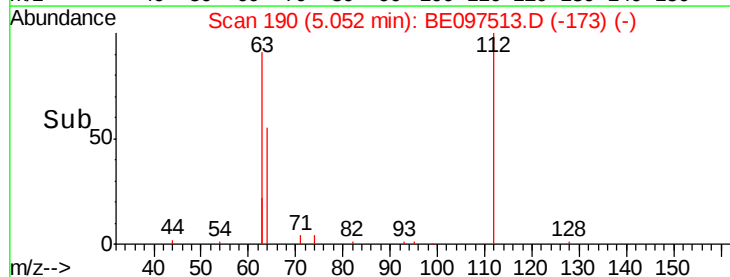
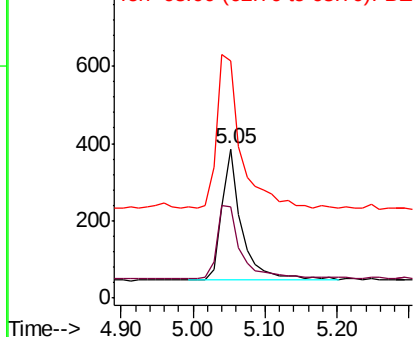
#4

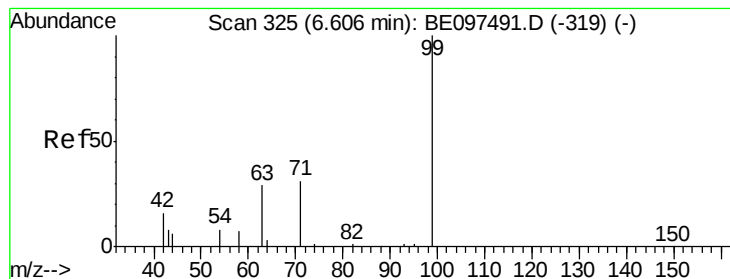
2-Fluorophenol
Concen: 0.215 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097513.D
Acq: 18 Sep 2018 1:50

Tgt Ion:112 Resp: 661
Ion Ratio Lower Upper
112 100
64 68.2 60.1 90.1
63 140.5 116.8 175.2



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: 0.126 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

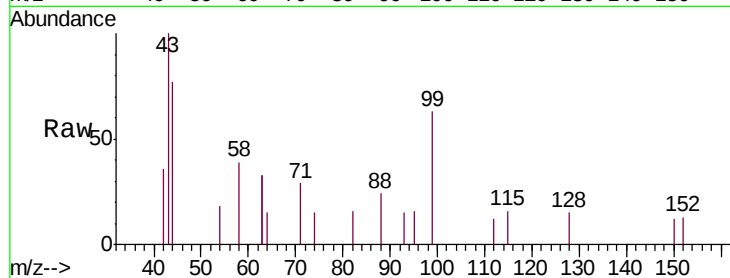
Tgt Ion: 99 Resp: 493

Ion Ratio Lower Upper

99 100

42 17.2 20.2 30.2#

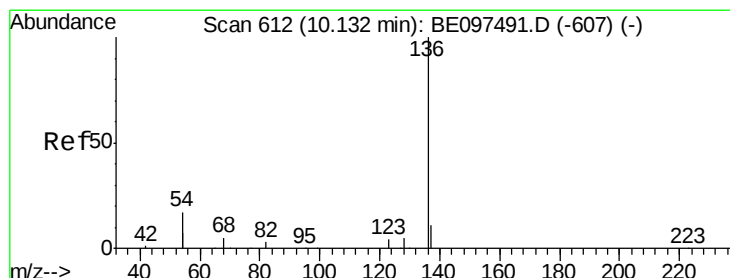
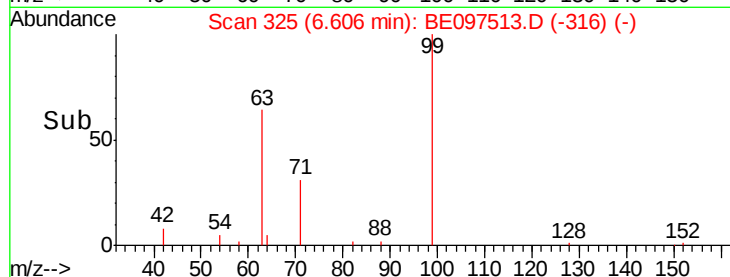
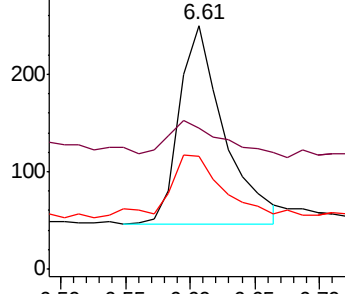
71 37.3 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Tgt Ion: 136 Resp: 4392

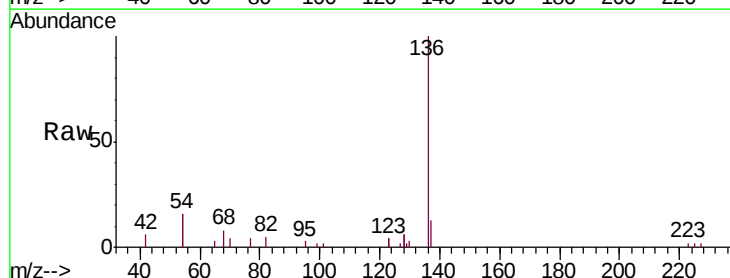
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 32.2 29.1 43.7

68 7.7 6.2 9.2

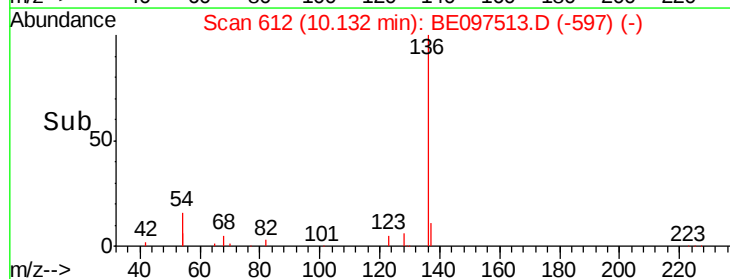
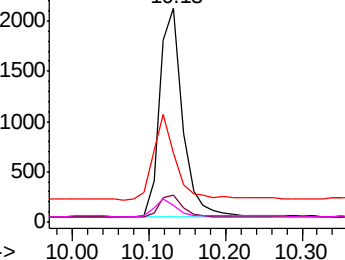


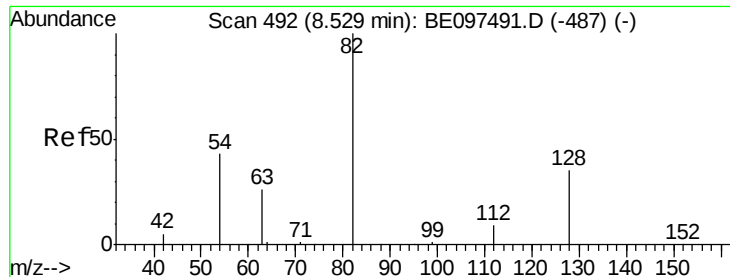
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.473 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

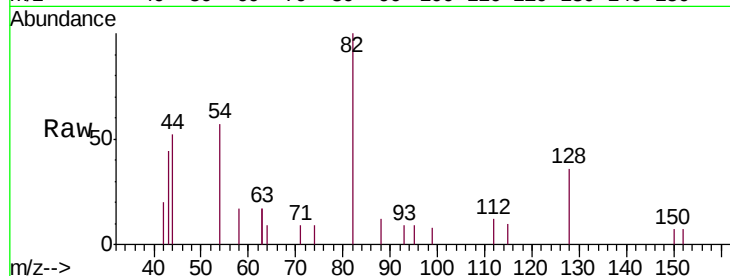
Tgt Ion: 82 Resp: 1672

Ion Ratio Lower Upper

82 100

128 36.2 24.0 36.0#

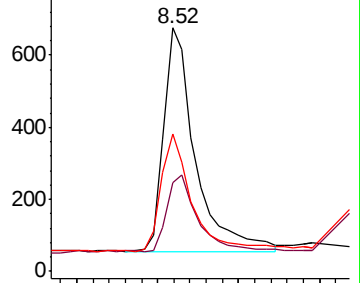
54 56.5 40.0 60.0



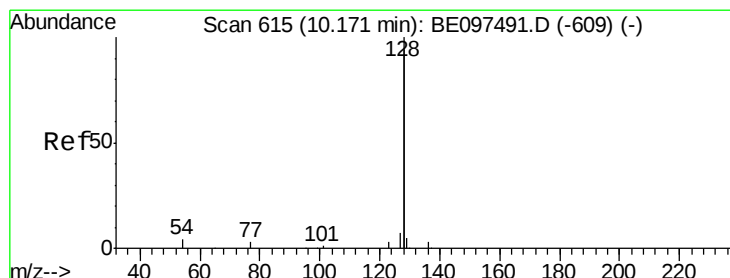
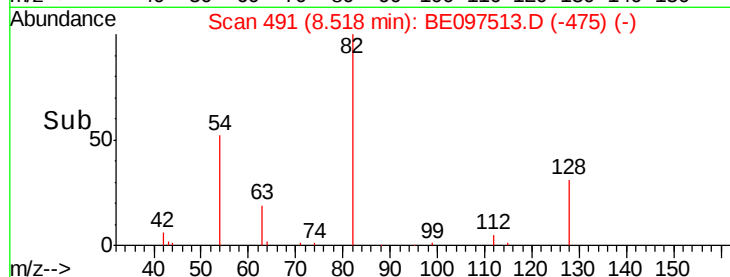
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.390 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

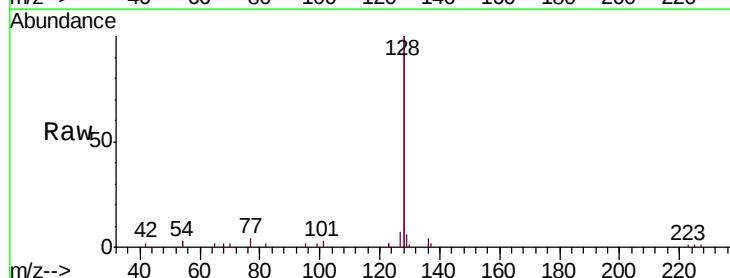
Tgt Ion: 128 Resp: 15553

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

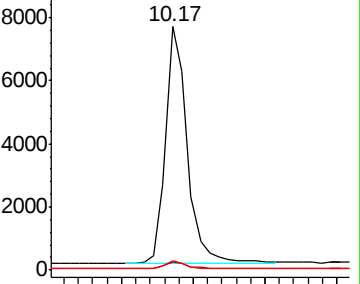
127 3.7 2.8 4.2



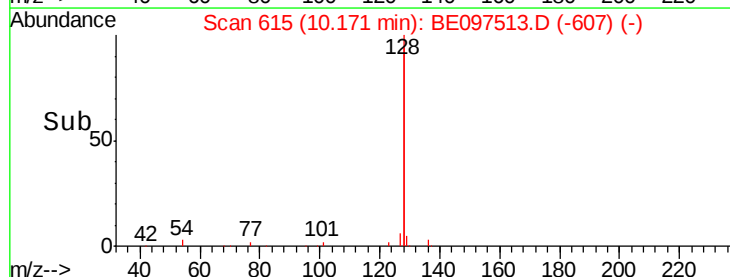
Abundance Ion 128.00 (127.70 to 128.70): E

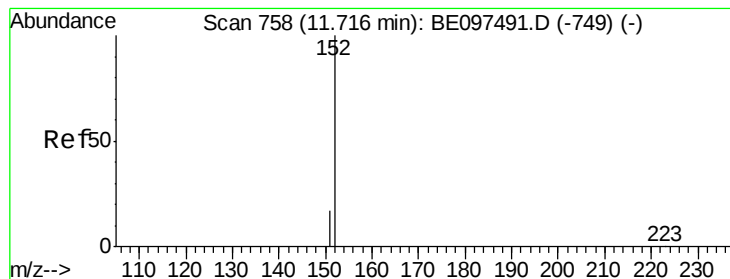
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.503 ng

RT: 11.71 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

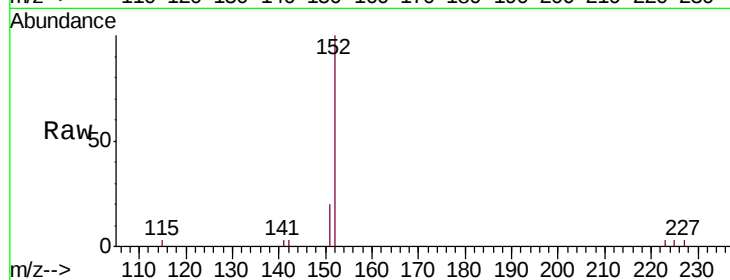
AOC10-01-B

Tgt Ion:152 Resp: 3160

Ion Ratio Lower Upper

152 100

151 18.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.71

2000

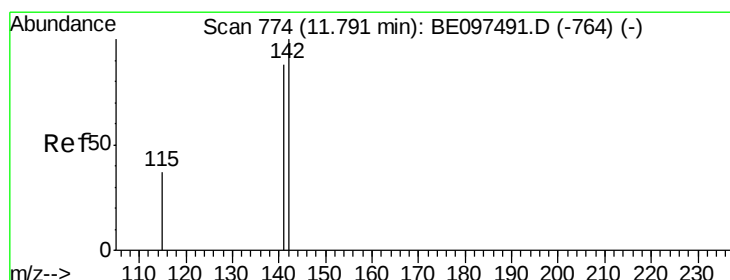
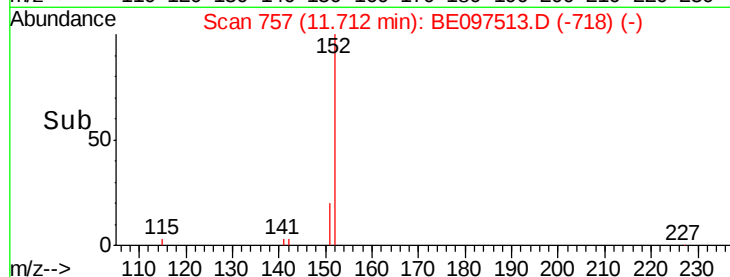
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.178 ng

RT: 11.79 min Scan# 773

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

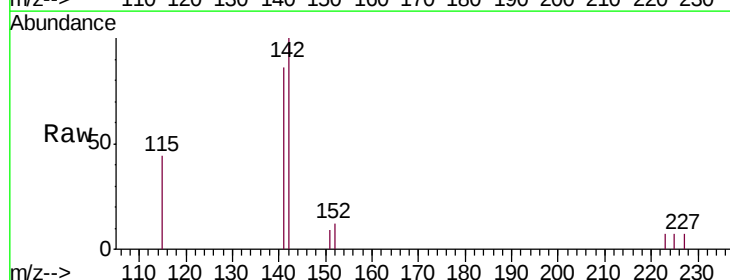
Tgt Ion:142 Resp: 1133

Ion Ratio Lower Upper

142 100

141 86.2 70.4 105.6

115 43.9 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.79

800

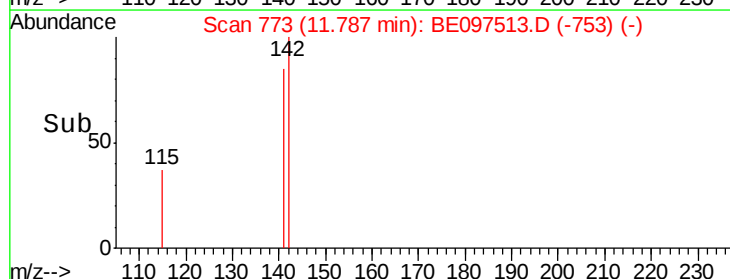
600

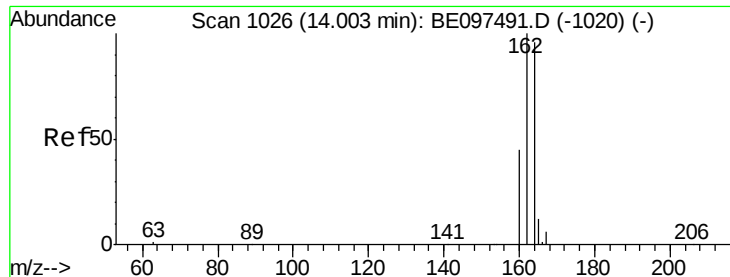
400

200

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

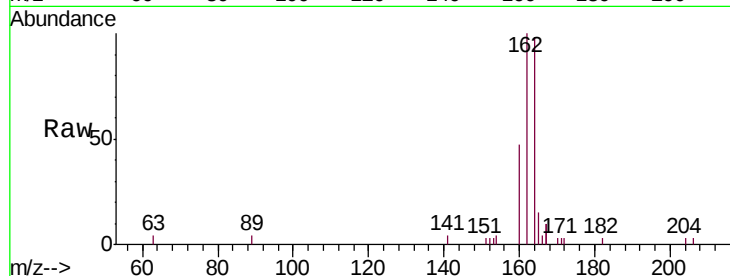
Tgt Ion:164 Resp: 2627

Ion Ratio Lower Upper

164 100

162 101.9 83.1 124.7

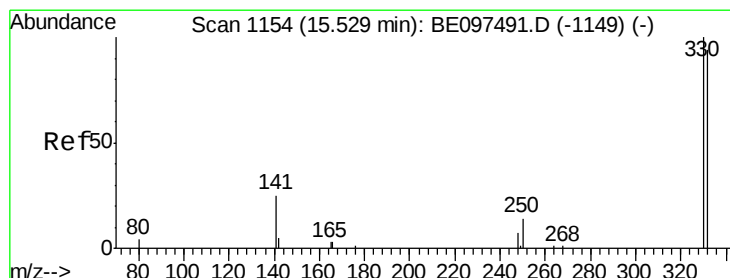
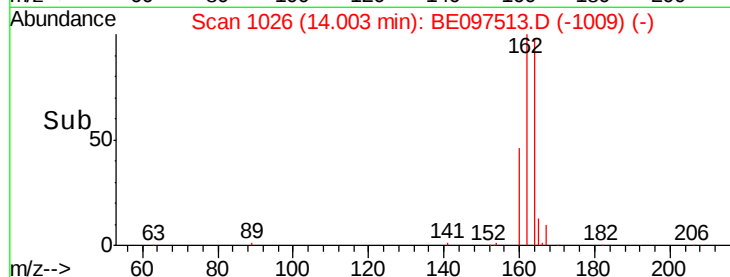
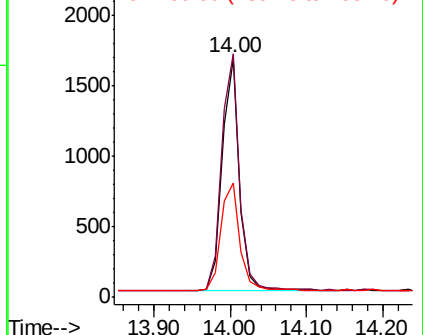
160 48.0 37.1 55.7



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: 0.475 ng

RT: 15.52 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

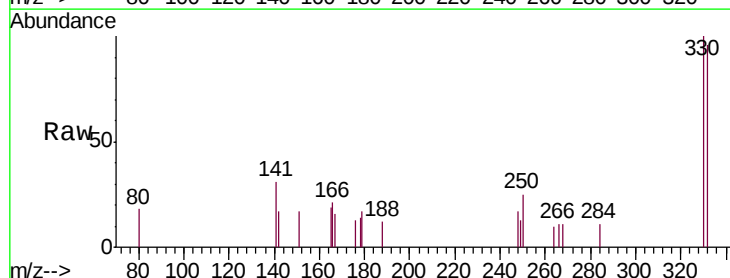
Tgt Ion:330 Resp: 659

Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

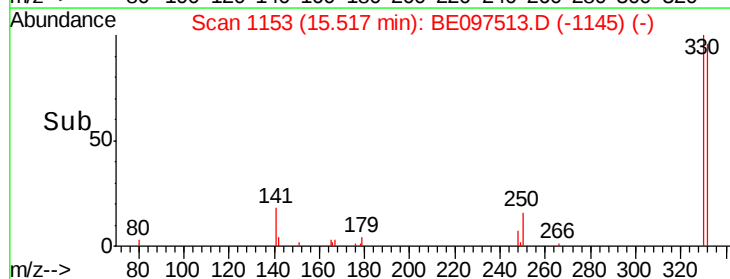
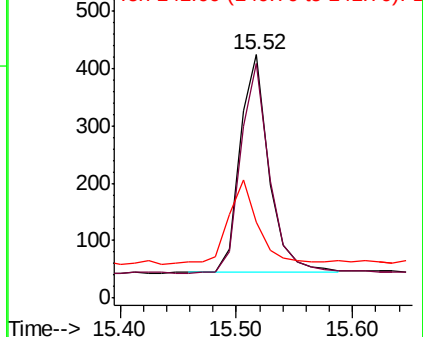
141 37.5 33.7 50.5

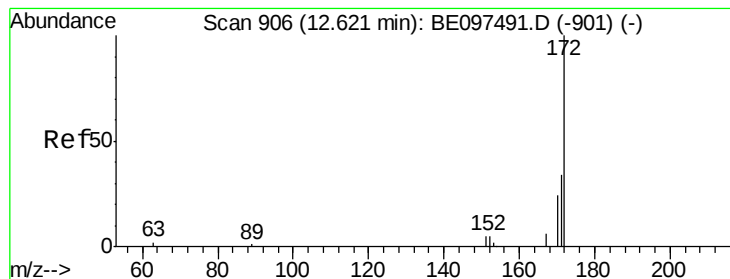


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.590 ng

RT: 12.62 min Scan# 906

Delta R.T. 0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

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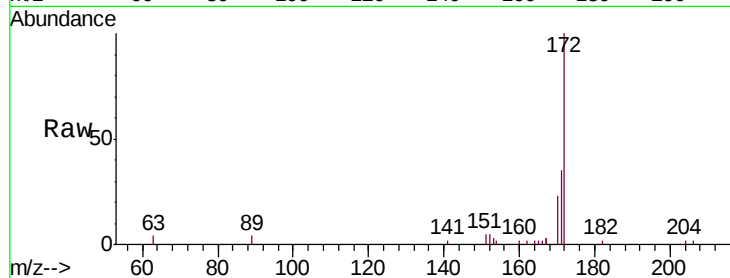
Tgt Ion:172 Resp: 5412

Ion Ratio Lower Upper

172 100

171 35.0 29.9 44.9

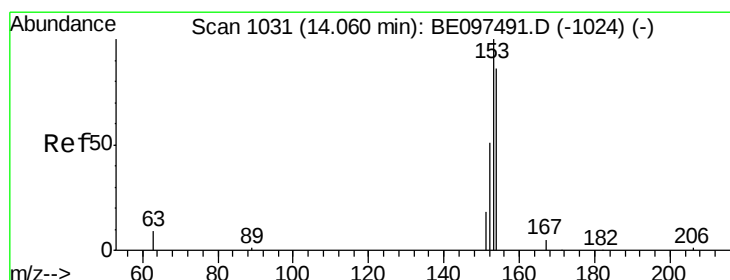
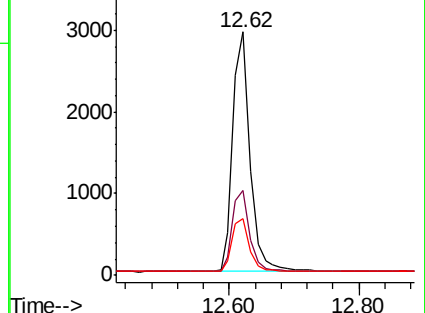
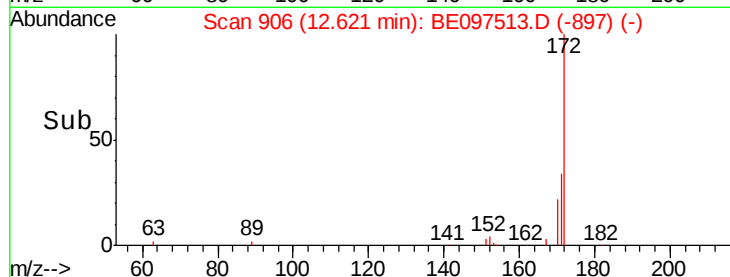
170 23.2 21.8 32.8



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



#17

Acenaphthene

Concen: 0.152 ng

RT: 14.06 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

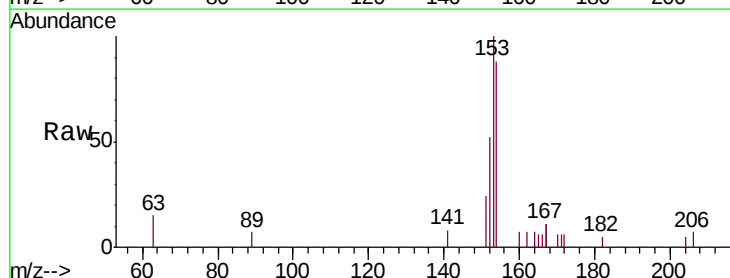
Tgt Ion:154 Resp: 1070

Ion Ratio Lower Upper

154 100

153 115.1 89.2 133.8

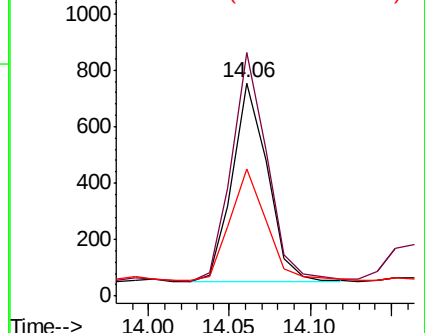
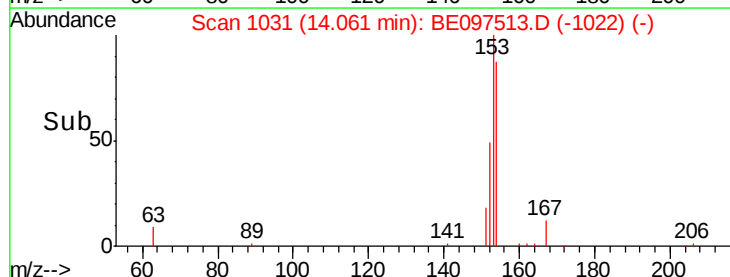
152 57.8 42.0 63.0

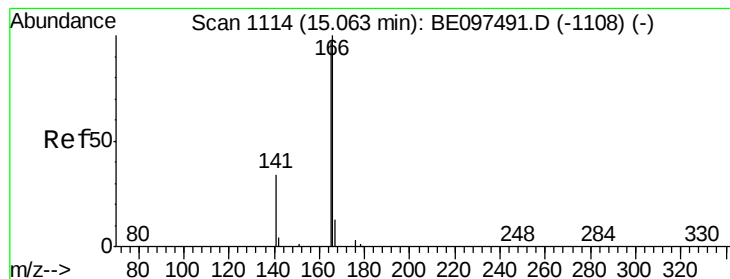


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.159 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

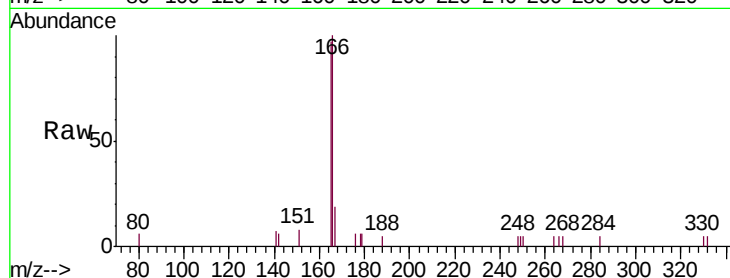
Tgt Ion:166 Resp: 1434

Ion Ratio Lower Upper

166 100

165 100.1 77.8 116.6

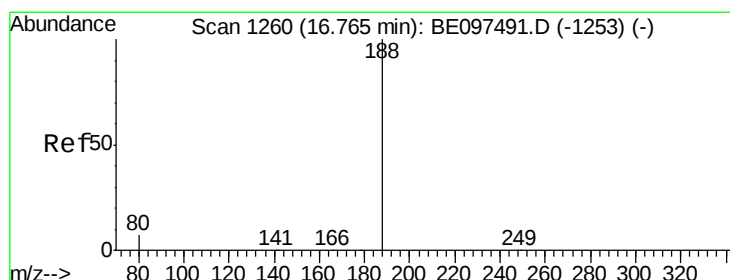
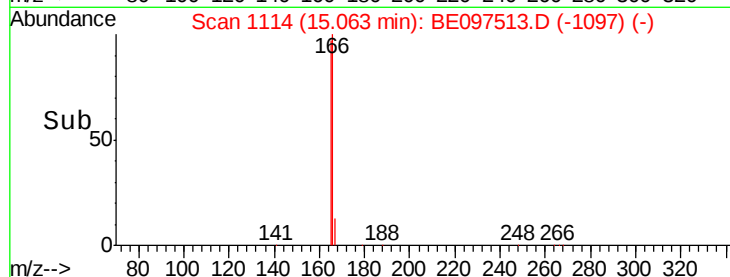
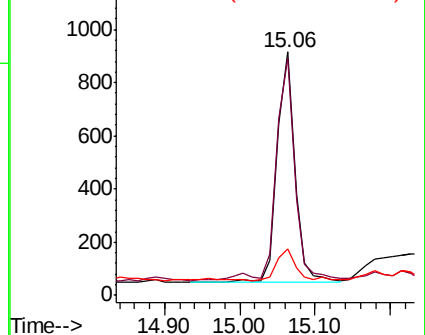
167 14.4 42.4 63.6#



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: 16.75 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

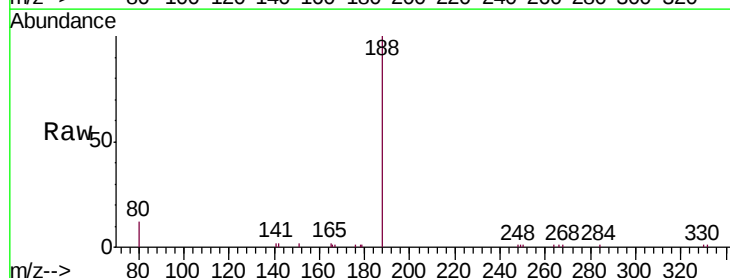
Tgt Ion:188 Resp: 7280

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

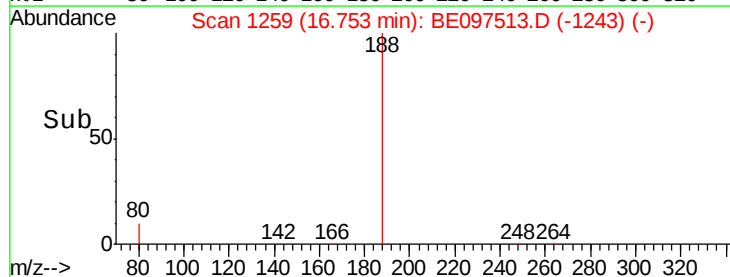
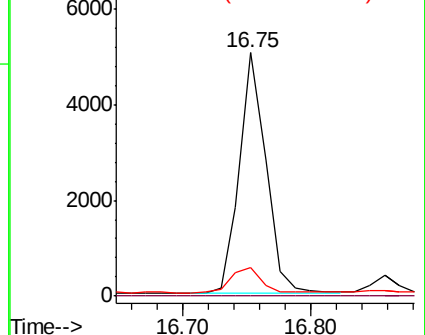
80 12.0 3.6 5.4#

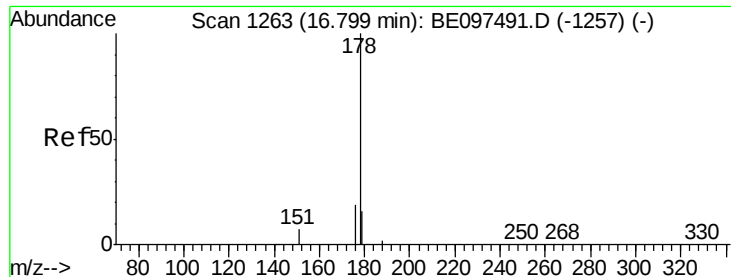


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.230 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

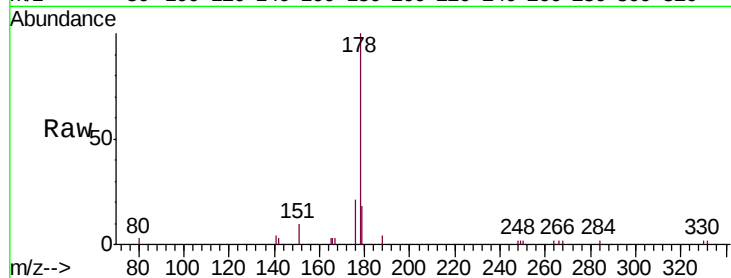
Tgt Ion:178 Resp: 3940

Ion Ratio Lower Upper

178 100

176 20.4 15.1 22.7

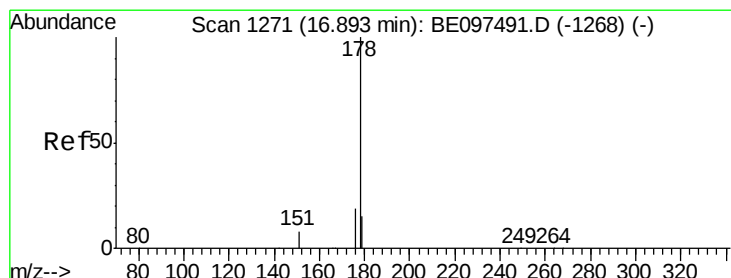
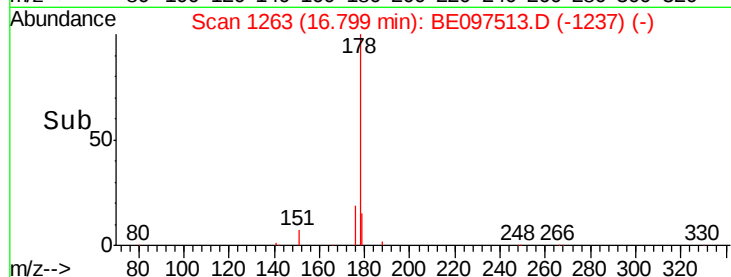
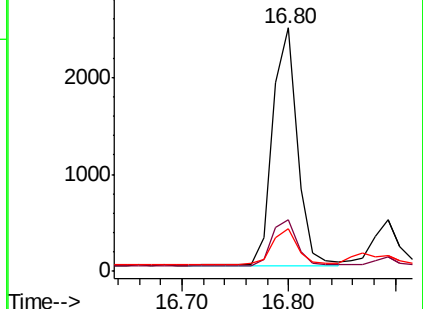
179 15.4 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.046 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

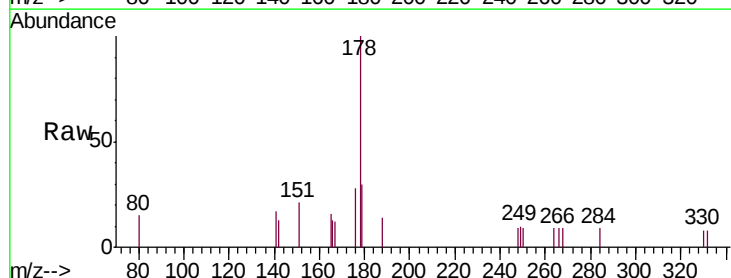
Tgt Ion:178 Resp: 720

Ion Ratio Lower Upper

178 100

176 19.3 12.8 19.2#

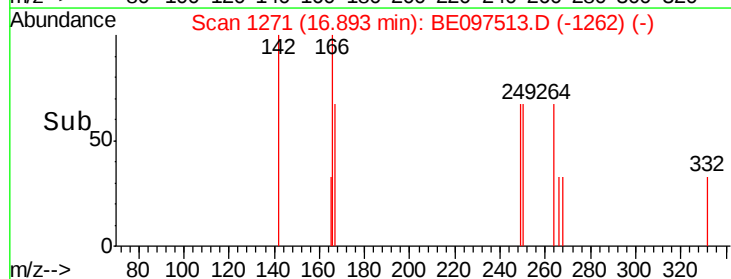
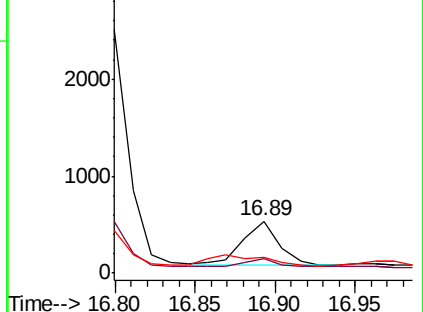
179 0.0 13.0 19.6#

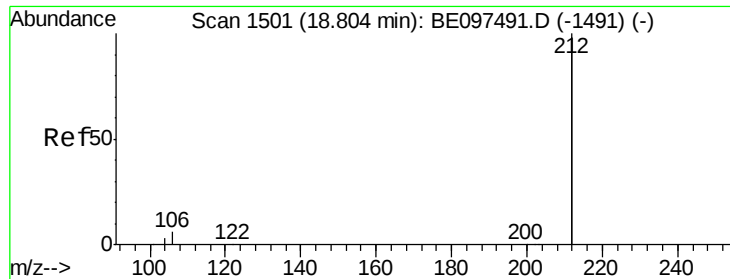


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.524 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

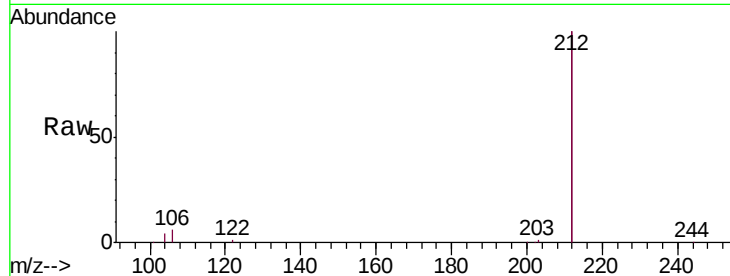
Tgt Ion: 212 Resp: 45825

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

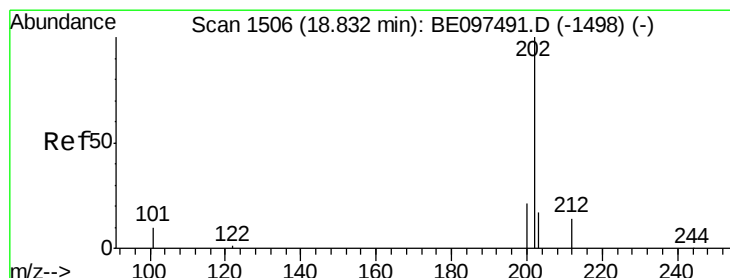
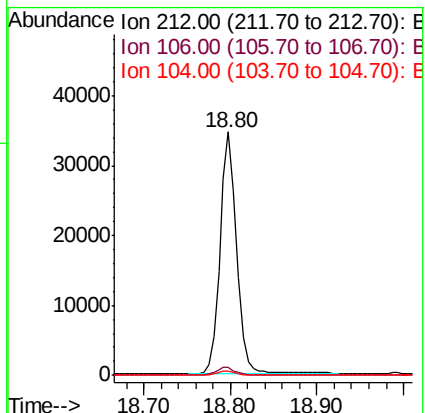
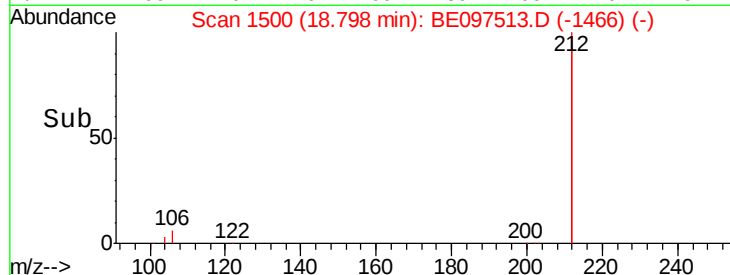
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.065 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

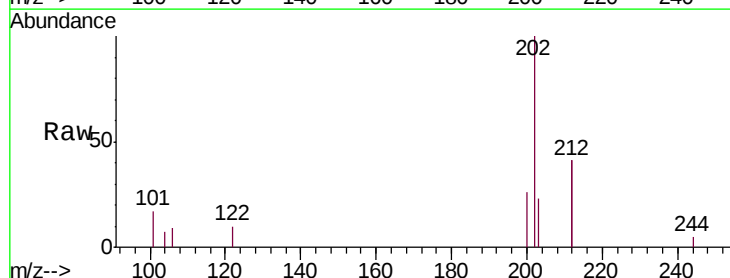
Tgt Ion: 202 Resp: 1453

Ion Ratio Lower Upper

202 100

101 16.7 9.8 14.8#

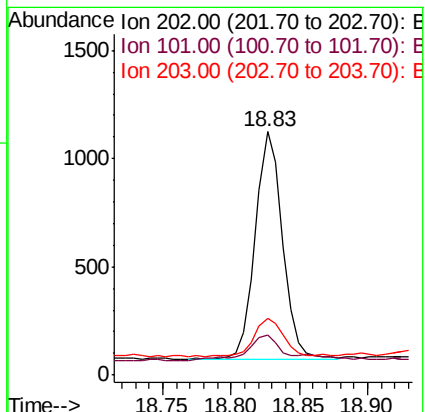
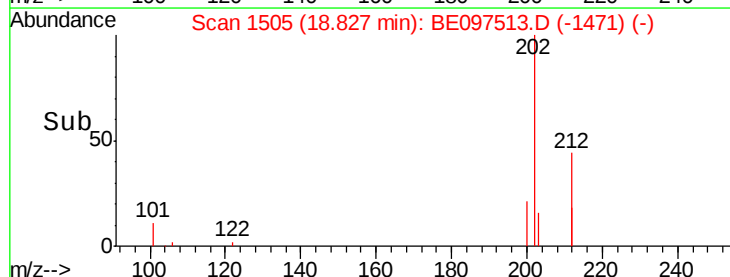
203 18.4 13.7 20.5

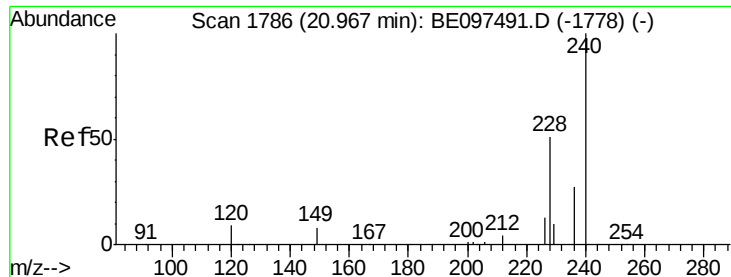


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

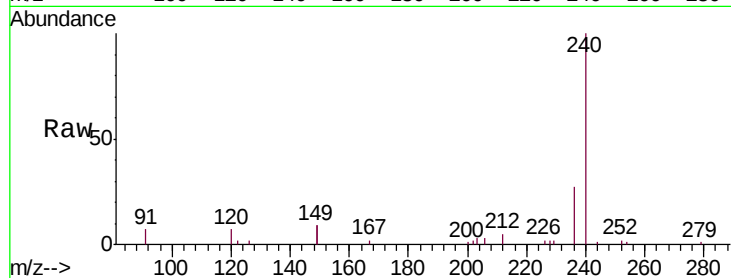
Tgt Ion:240 Resp: 8983

Ion Ratio Lower Upper

240 100

120 6.8 5.5 8.3

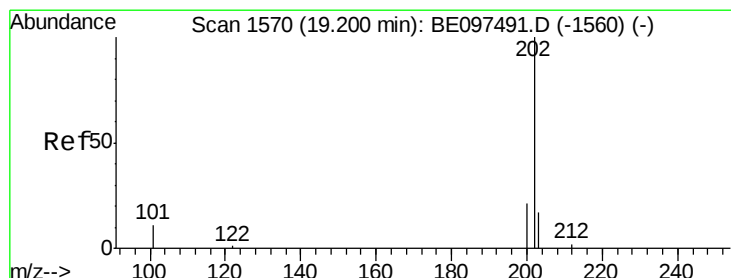
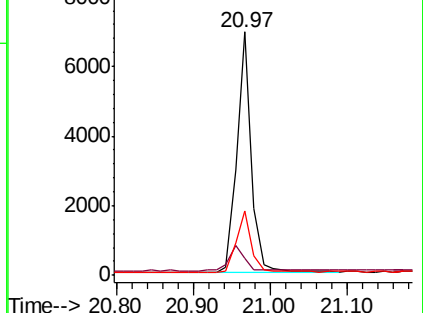
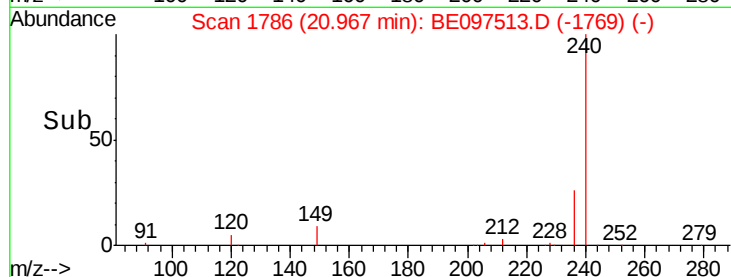
236 26.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.053 ng

RT: 19.19 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

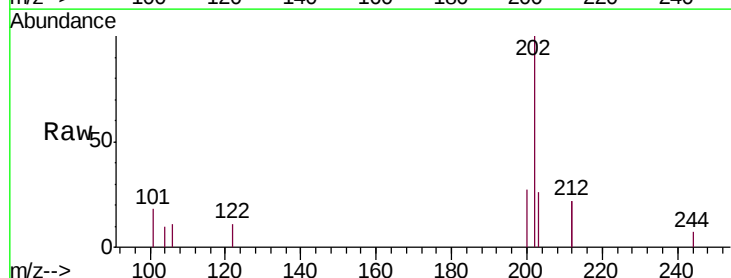
Tgt Ion:202 Resp: 1223

Ion Ratio Lower Upper

202 100

200 21.4 16.6 25.0

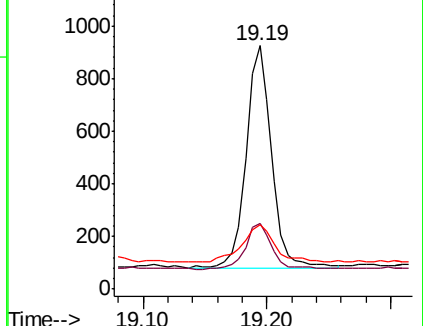
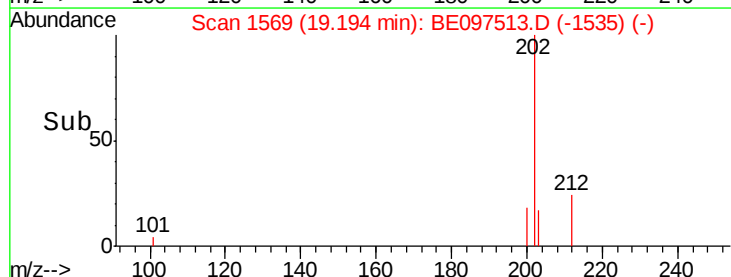
203 21.0 13.8 20.8#

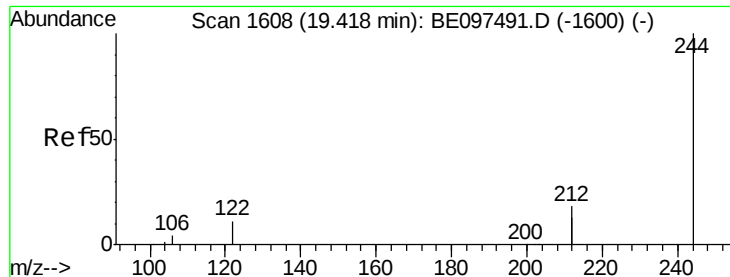


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.588 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

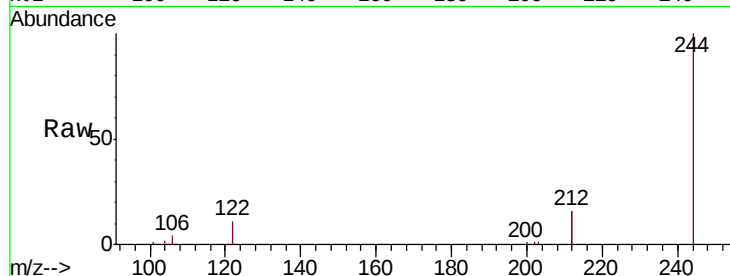
Tgt Ion:244 Resp: 10102

Ion Ratio Lower Upper

244 100

212 32.1 25.4 38.0

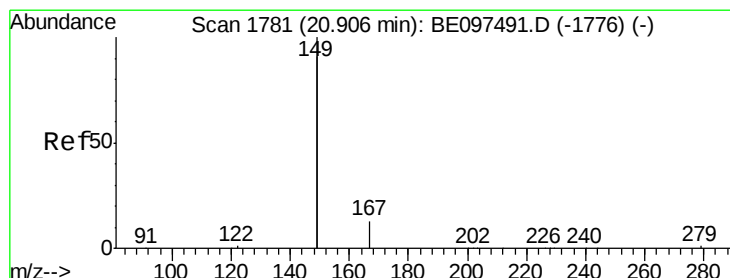
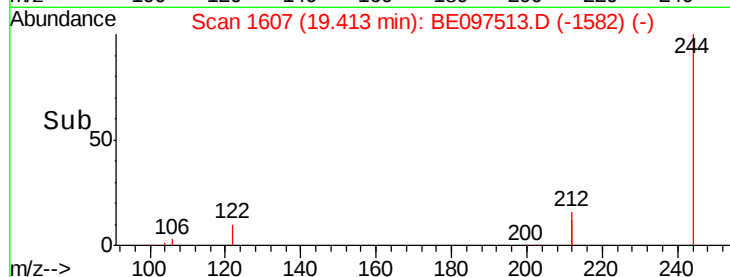
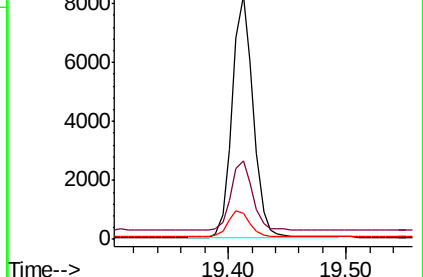
122 10.6 8.1 12.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.183 ng

RT: 20.91 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

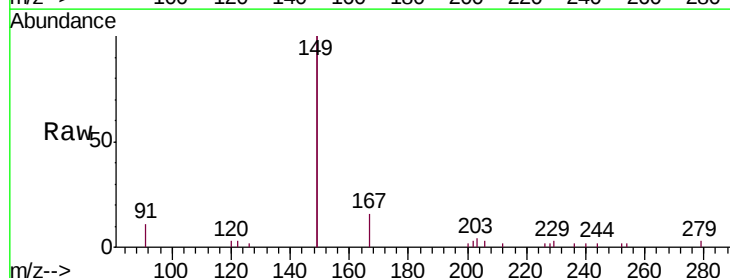
Tgt Ion:149 Resp: 9189

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

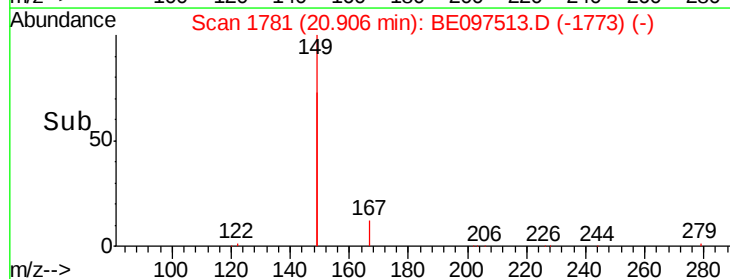
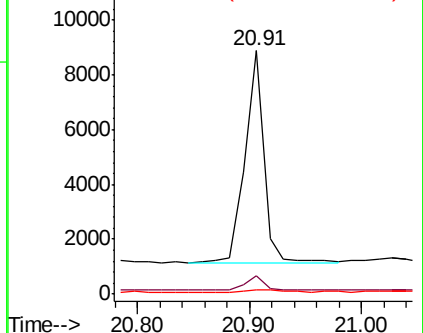
279 1.2 0.7 1.1#

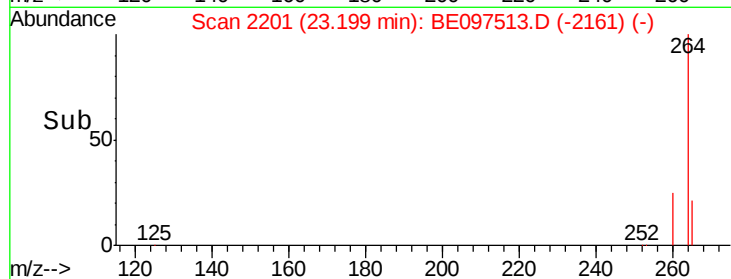
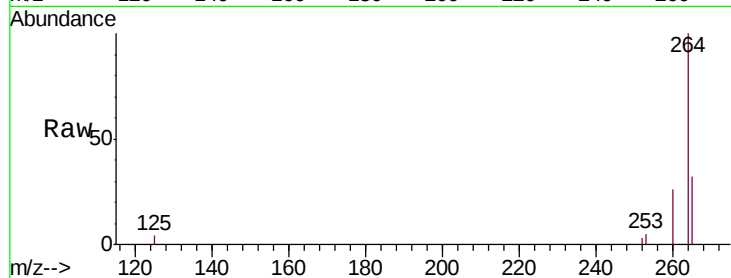
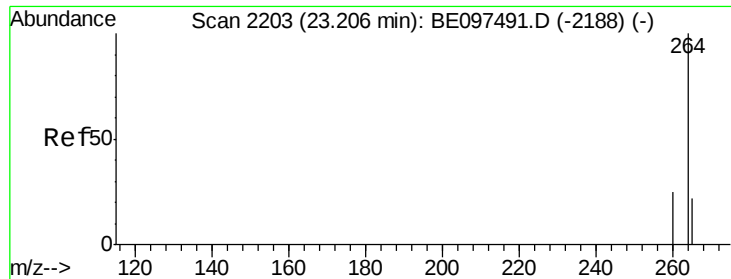


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BE097513.D

Acq: 18 Sep 2018 1:50

Instrument :

BNA_E

ClientSampleId :

AOC10-01-B

Tgt Ion: 264 Resp: 8978

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 31.9 22.8 34.2

