

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091718\
 Data File : BE097518.D
 Acq On : 18 Sep 2018 5:37
 Operator : SJ/JU
 Sample : J4741-38
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC10-01-D

Quant Time: Sep 18 07:26:58 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	952	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4516	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2665	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	7509	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	9207	0.40	ng	0.00
34) Perylene-d12	23.20	264	9136	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	650	0.20	ng	0.00
5) Phenol-d6	6.61	99	502	0.12	ng	0.00
8) Nitrobenzene-d5	8.52	82	1616	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	11.71	152	3065	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.51	330	653	0.46	ng	-0.02
15) 2-Fluorobiphenyl	12.61	172	5318	0.57	ng	-0.01
25) Fluoranthene-d10	18.80	212	45038	0.50	ng	0.00
29) Terphenyl-d14	19.41	244	9779	0.56	ng	0.00

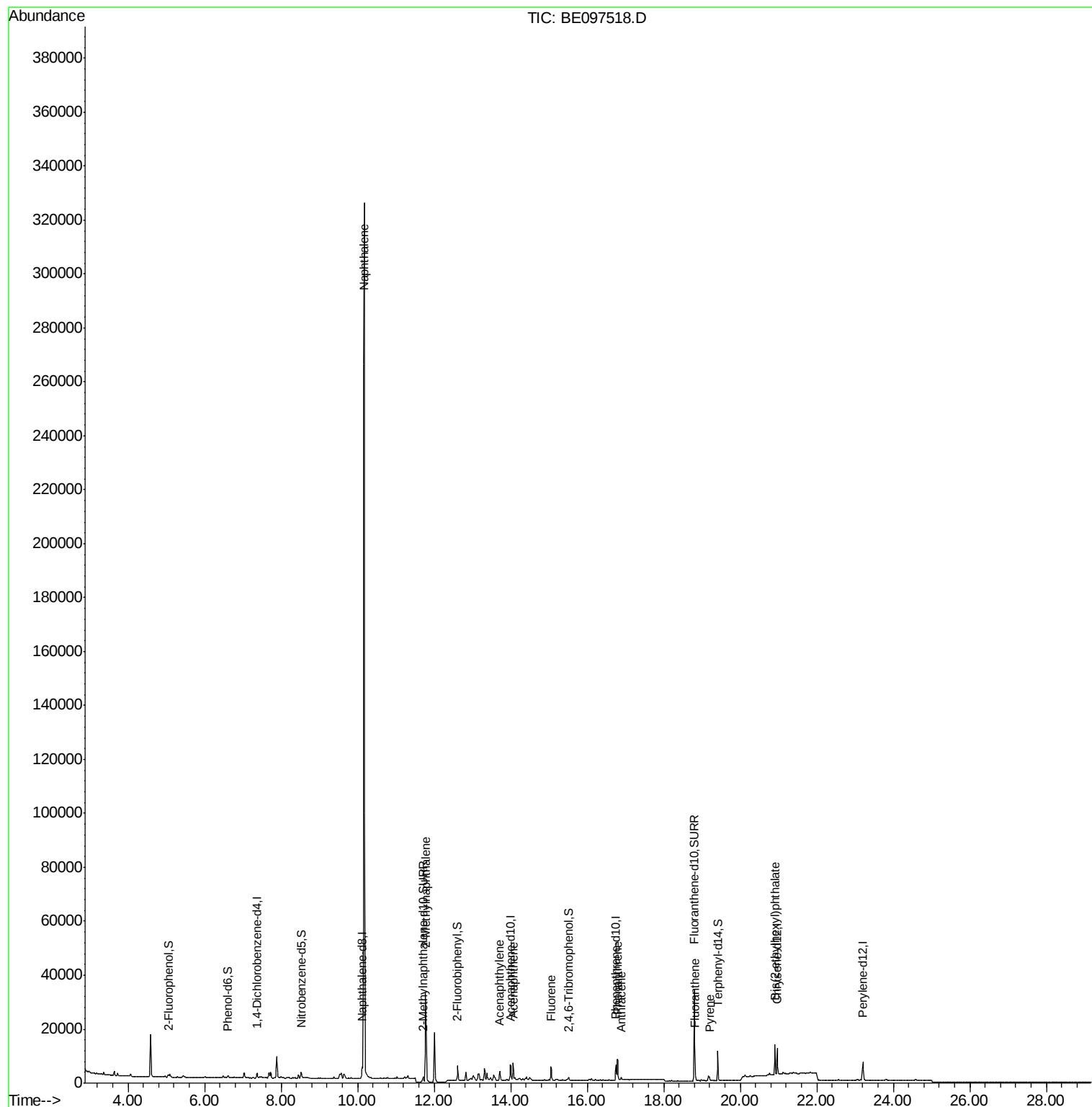
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.17	128	545287	13.300	ng	99
12) 2-Methylnaphthalene	11.78	142	25202	3.843	ng	98
16) Acenaphthylene	13.71	152	2868	0.247	ng	# 92
17) Acenaphthene	14.06	154	2914	0.407	ng	95
18) Fluorene	15.05	166	4138	0.454	ng	# 79
23) Phenanthrene	16.79	178	9313	0.527	ng	99
24) Anthracene	16.89	178	1041	0.064	ng	96
26) Fluoranthene	18.83	202	1668	0.072	ng	98
28) Pyrene	19.19	202	1341	0.057	ng	# 91
32) Bis(2-ethylhexyl)phthalate	20.91	149	12414	0.241	ng	# 100

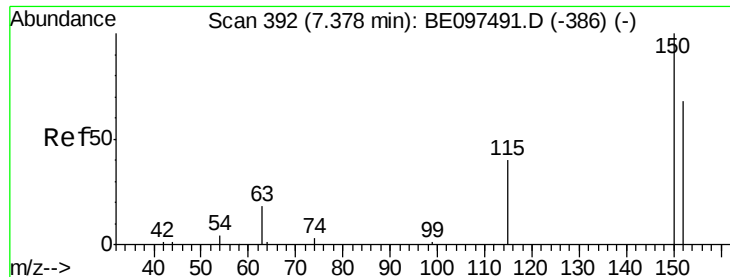
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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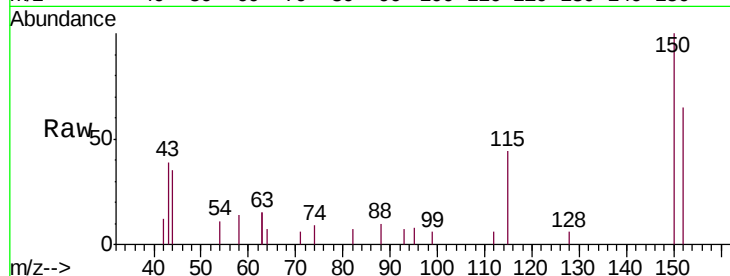


#1

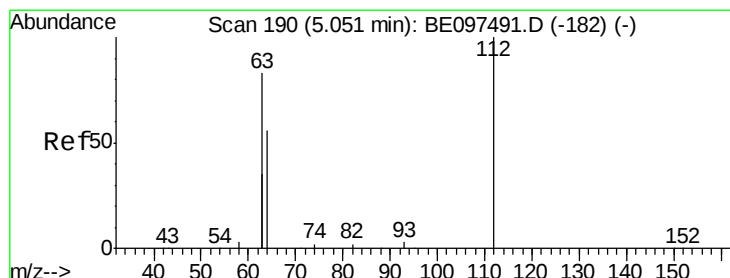
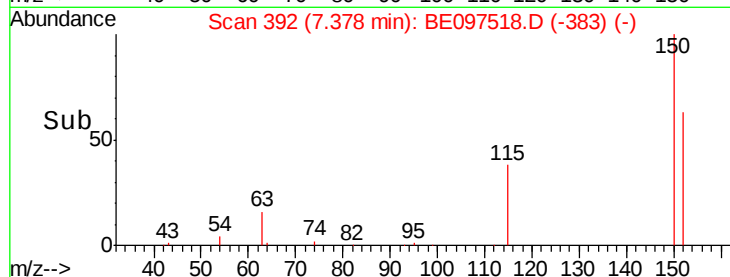
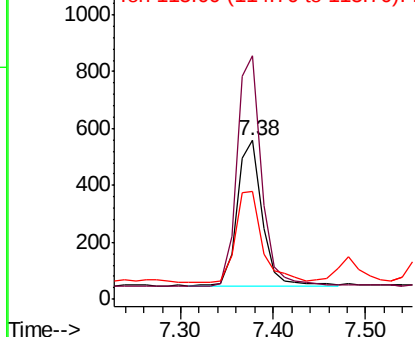
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Instrument :
BNA_E
ClientSampleId :
AOC10-01-D

Tgt Ion:152 Resp: 952
Ion Ratio Lower Upper
152 100
150 153.7 117.2 175.8
115 68.0 57.0 85.6



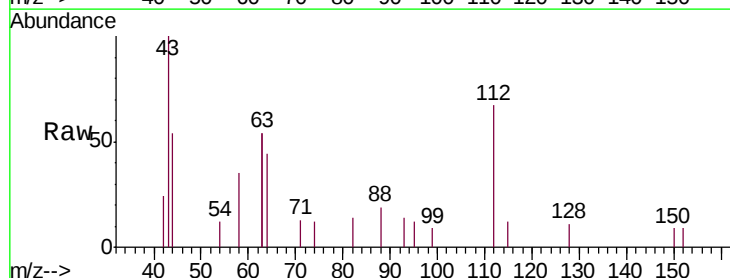
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



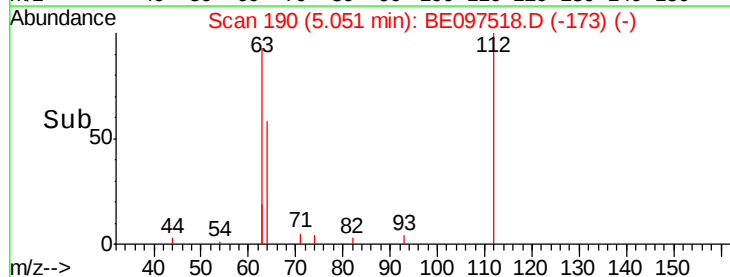
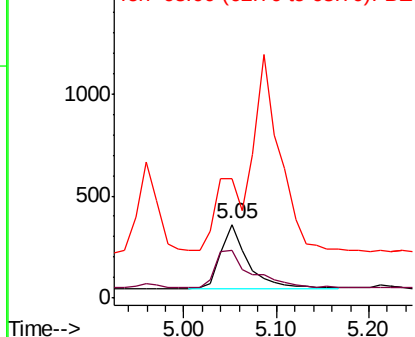
#4

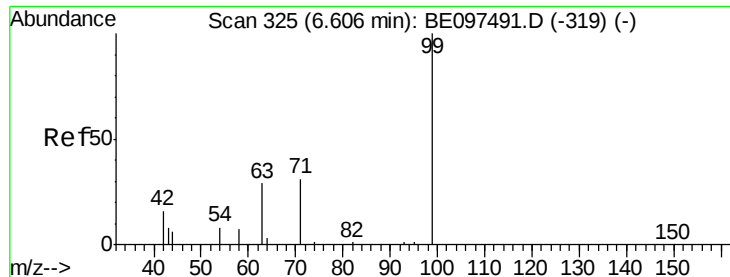
2-Fluorophenol
Concen: 0.202 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Tgt Ion:112 Resp: 650
Ion Ratio Lower Upper
112 100
64 78.0 60.1 90.1
63 0.0 116.8 175.2#



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





#5

Phenol-d6

Concen: 0.123 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

AOC10-01-D

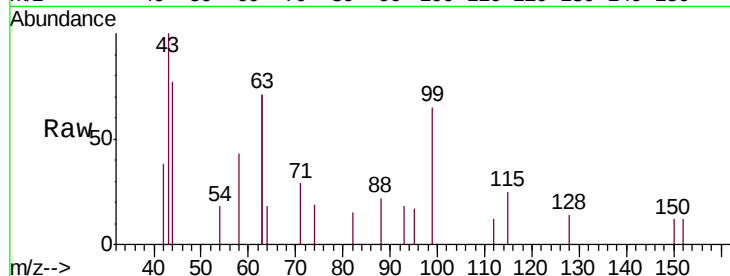
Tgt Ion: 99 Resp: 502

Ion Ratio Lower Upper

99 100

42 20.3 20.2 30.2

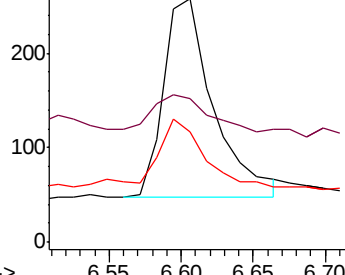
71 31.7 28.4 42.6



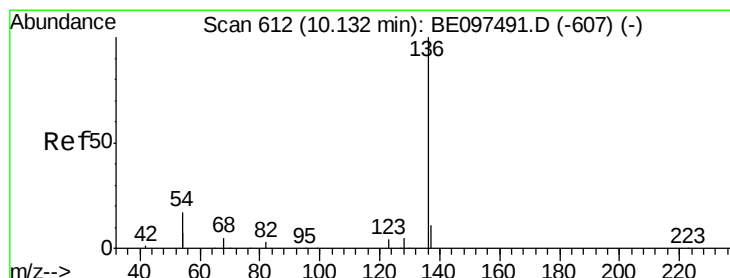
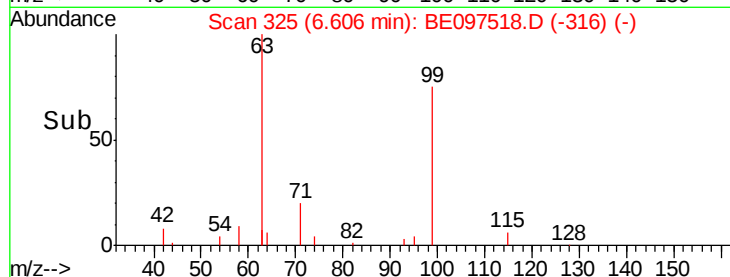
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Tgt Ion: 136 Resp: 4516

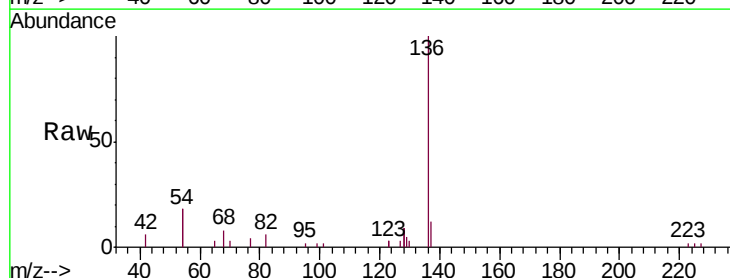
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 35.9 29.1 43.7

68 8.2 6.2 9.2

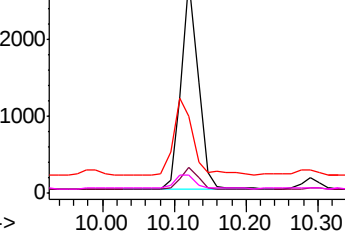


Abundance Ion 136.00 (135.70 to 136.70): E

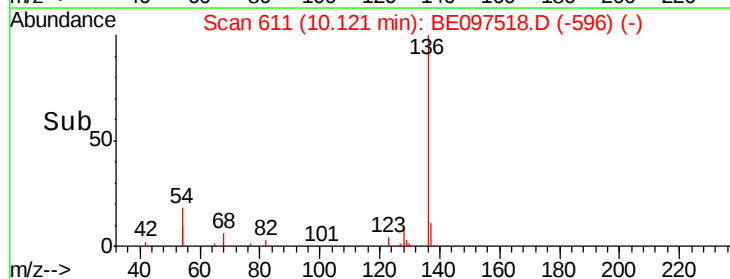
Ion 137.00 (136.70 to 137.70): E

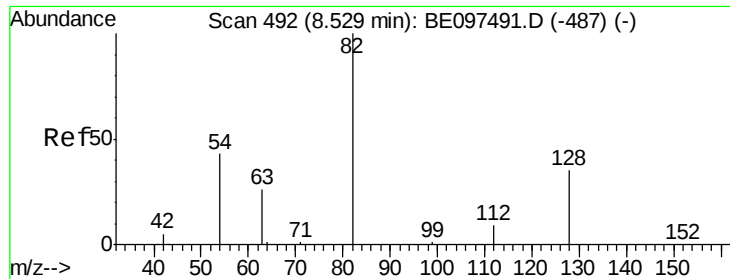
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.445 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

AOC10-01-D

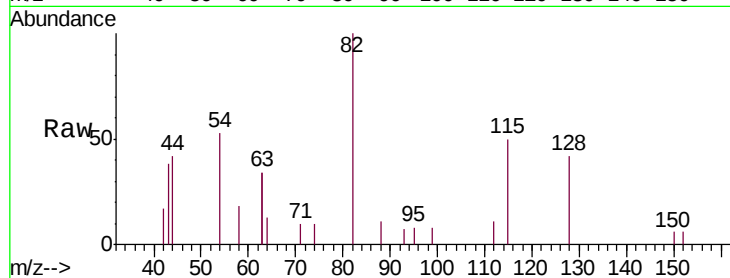
Tgt Ion: 82 Resp: 1616

Ion Ratio Lower Upper

82 100

128 41.7 24.0 36.0#

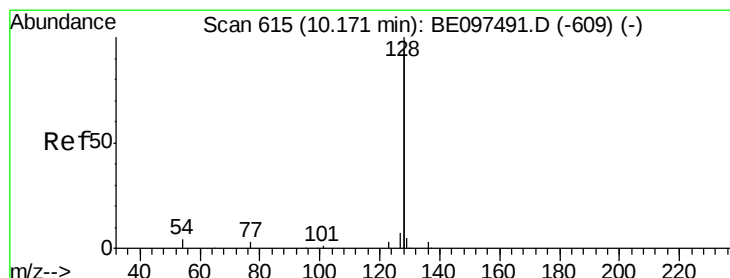
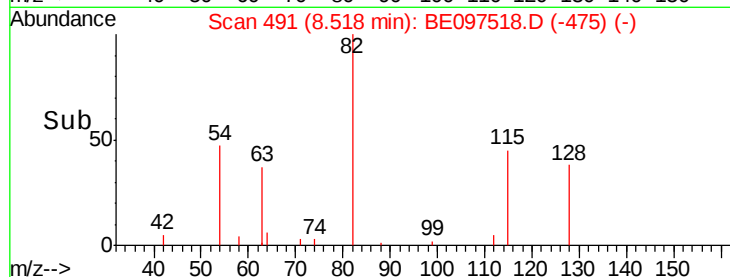
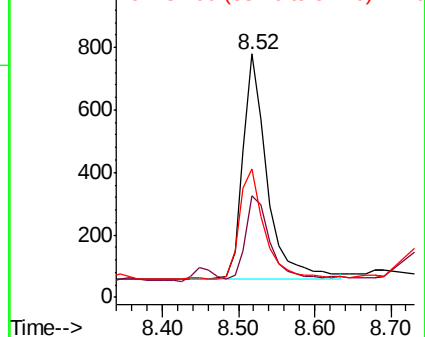
54 52.8 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 13.300 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

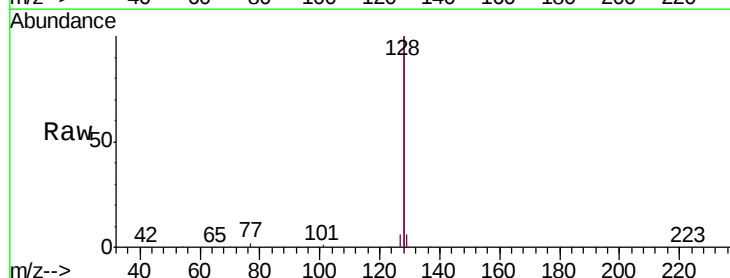
Tgt Ion: 128 Resp: 545287

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

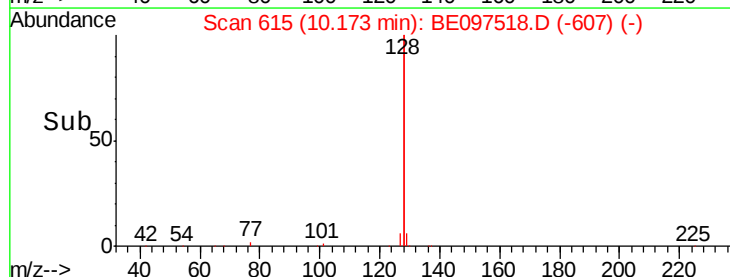
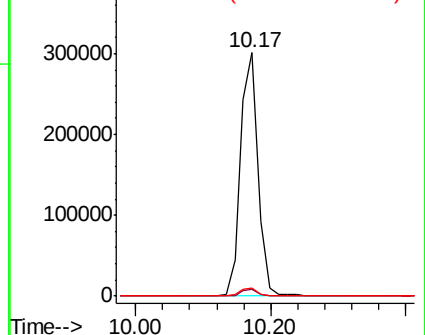
127 3.2 2.8 4.2

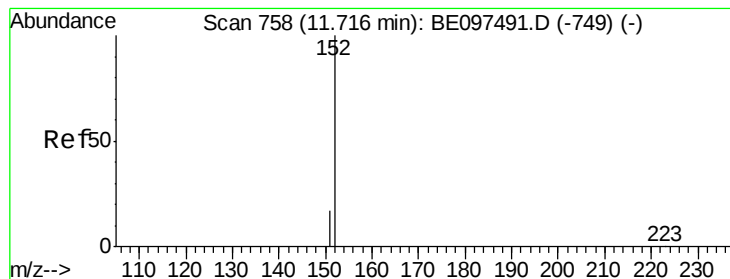


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.475 ng

RT: 11.71 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

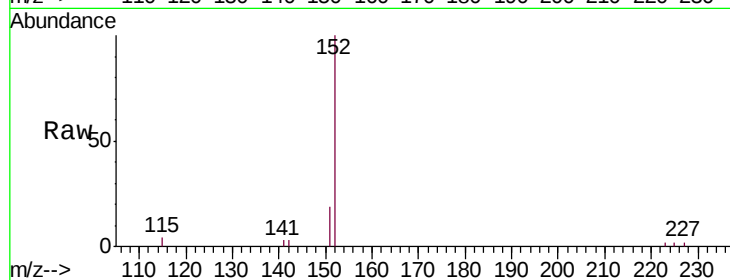
AOC10-01-D

Tgt Ion:152 Resp: 3065

Ion Ratio Lower Upper

152 100

151 18.6 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

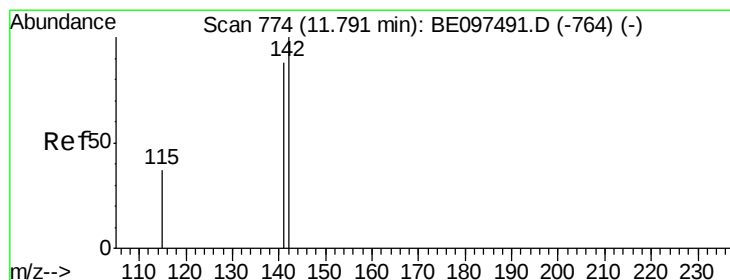
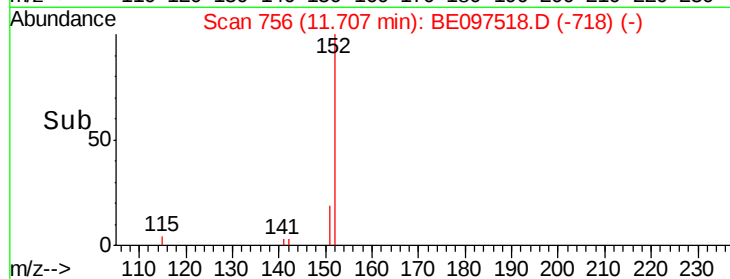
500

0

11.70

11.80

Time-->



#12

2-Methylnaphthalene

Concen: 3.843 ng

RT: 11.78 min Scan# 772

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

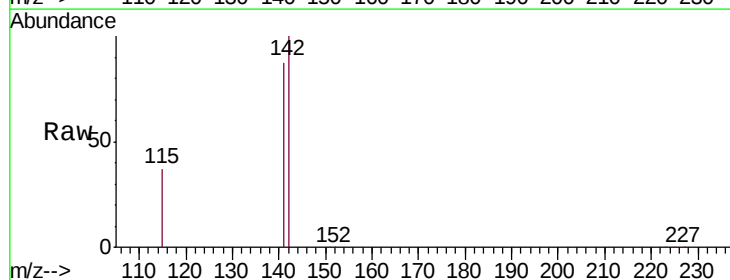
Tgt Ion:142 Resp: 25202

Ion Ratio Lower Upper

142 100

141 87.2 70.4 105.6

115 36.9 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

20000

15000

10000

5000

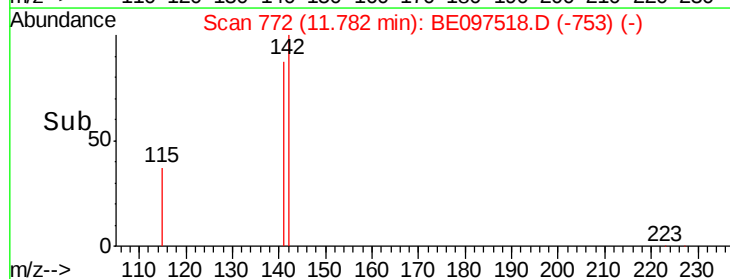
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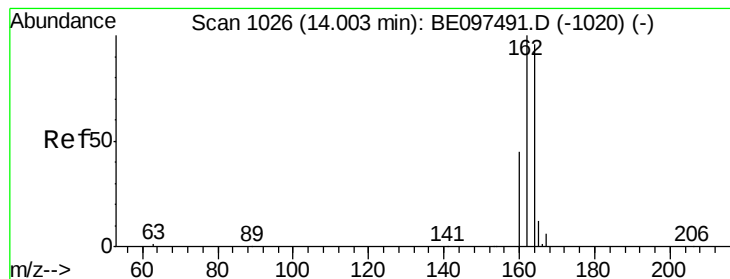
11.78

11.80

11.90

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

AOC10-01-D

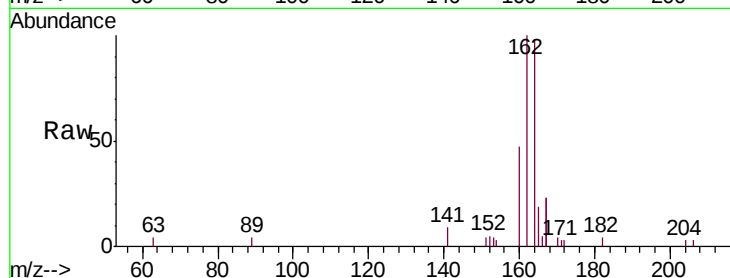
Tgt Ion:164 Resp: 2665

Ion Ratio Lower Upper

164 100

162 102.5 83.1 124.7

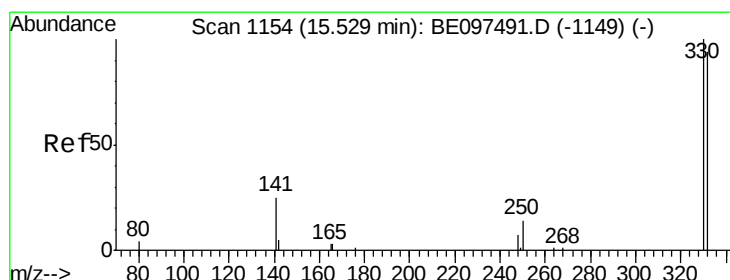
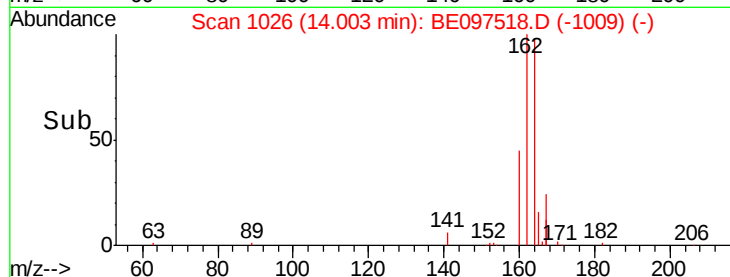
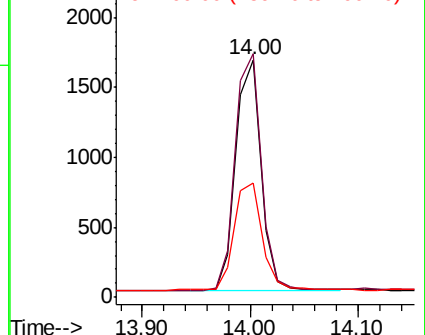
160 47.9 37.1 55.7



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: 0.464 ng

RT: 15.51 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

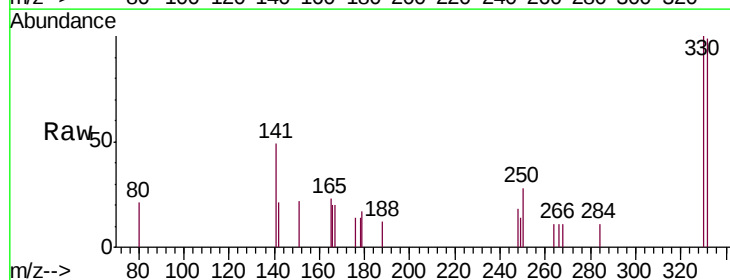
Tgt Ion:330 Resp: 653

Ion Ratio Lower Upper

330 100

332 99.4 152.7 229.1#

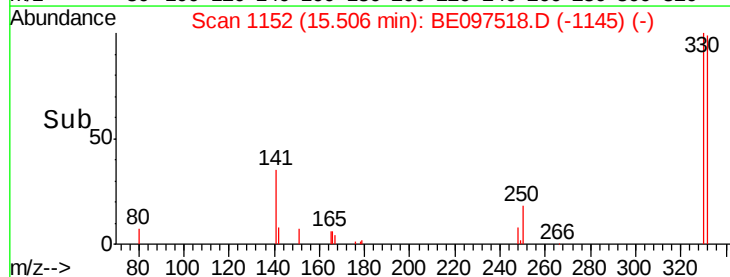
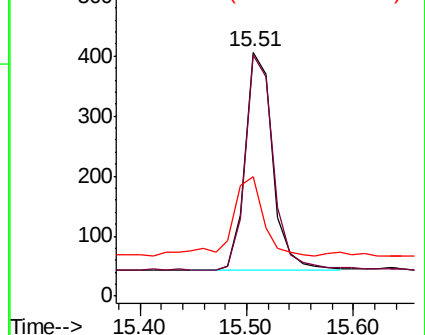
141 38.6 33.7 50.5

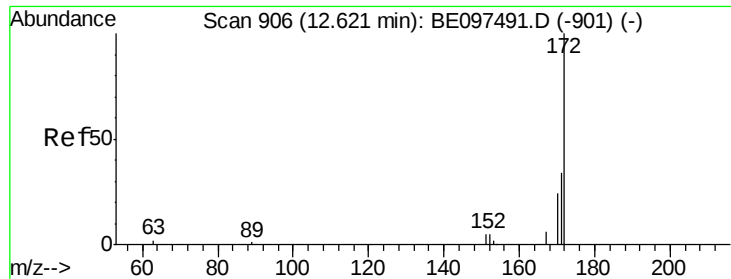


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

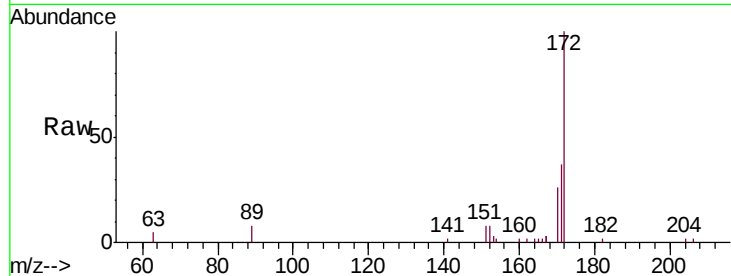




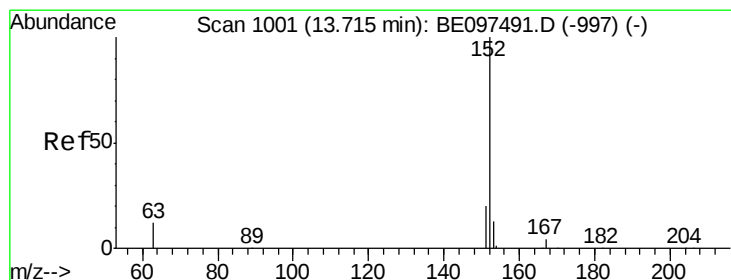
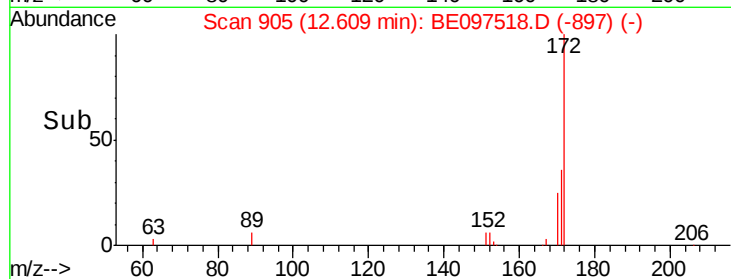
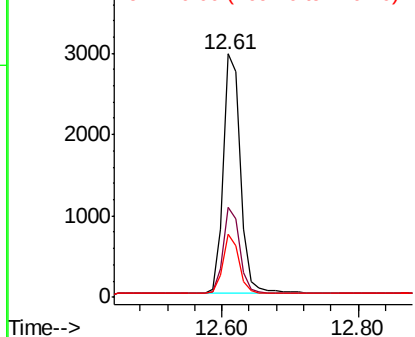
#15
2-Fluorobiphenyl
Concen: 0.571 ng
RT: 12.61 min Scan# 905
Delta R.T. -0.01 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Instrument :
BNA_E
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Tgt Ion:172 Resp: 5318
Ion Ratio Lower Upper
172 100
171 37.1 29.9 44.9
170 25.7 21.8 32.8

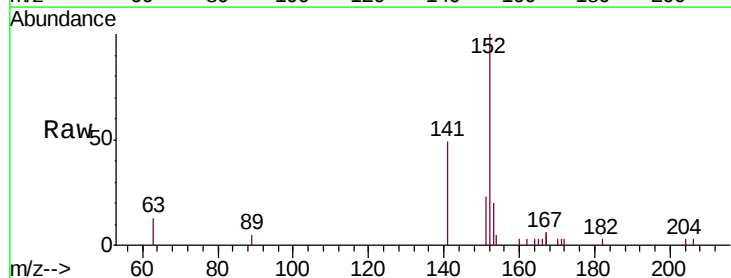


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

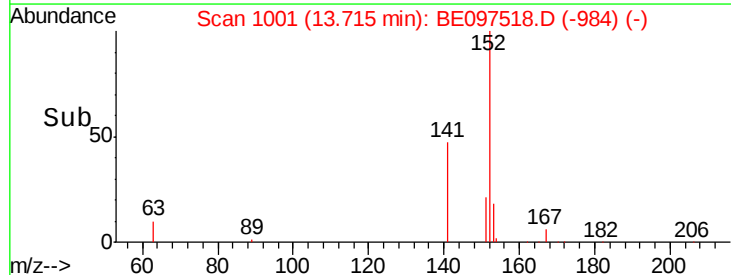
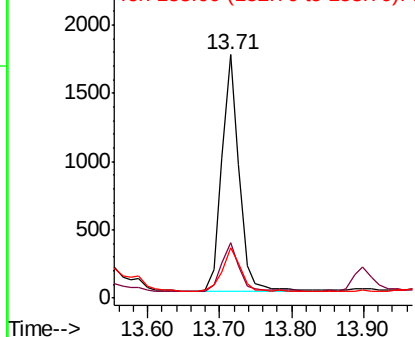


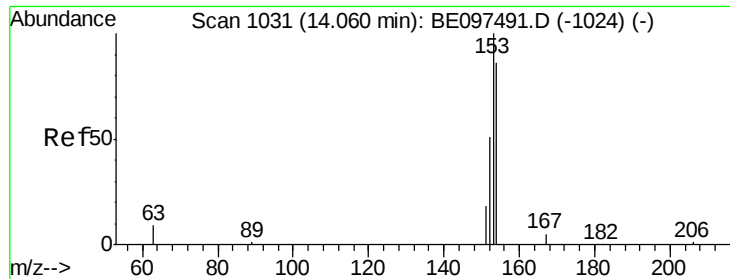
#16
Acenaphthylene
Concen: 0.247 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Tgt Ion:152 Resp: 2868
Ion Ratio Lower Upper
152 100
151 21.3 15.7 23.5
153 19.3 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: 0.407 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

AOC10-01-D

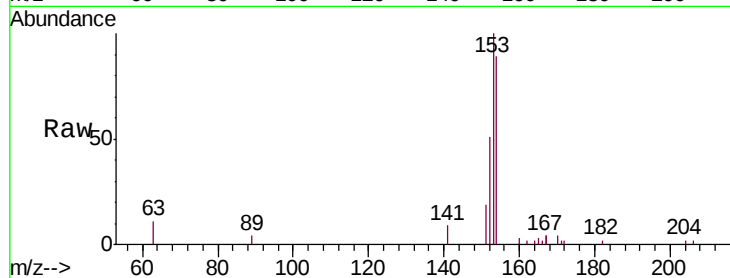
Tgt Ion:154 Resp: 2914

Ion Ratio Lower Upper

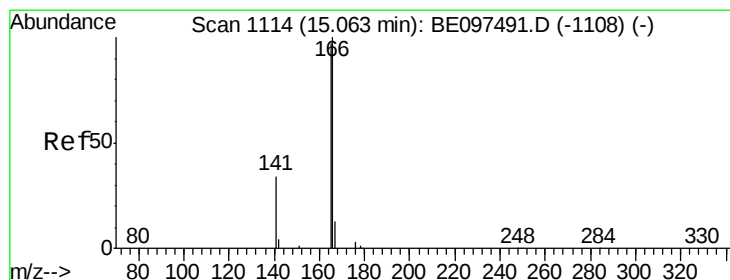
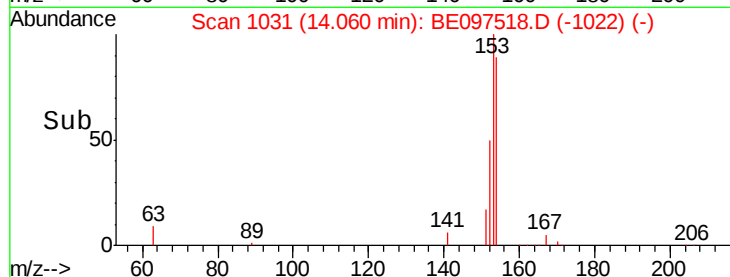
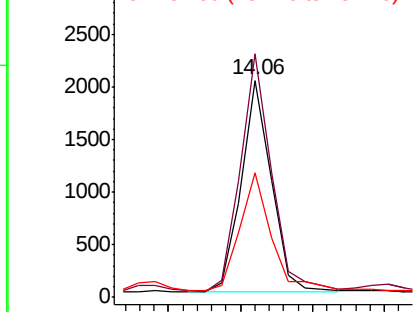
154 100

153 115.7 89.2 133.8

152 58.5 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.454 ng

RT: 15.05 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

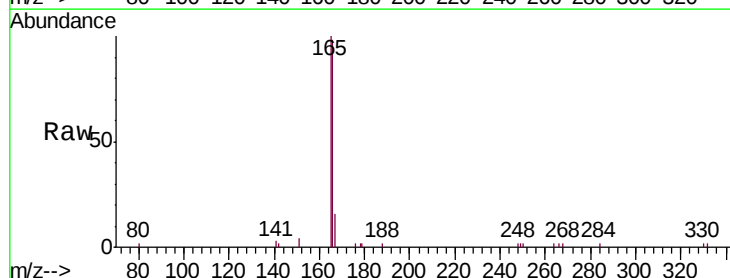
Tgt Ion:166 Resp: 4138

Ion Ratio Lower Upper

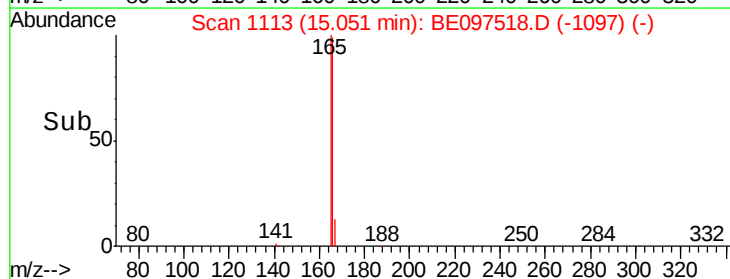
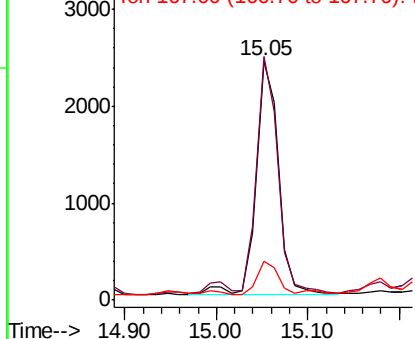
166 100

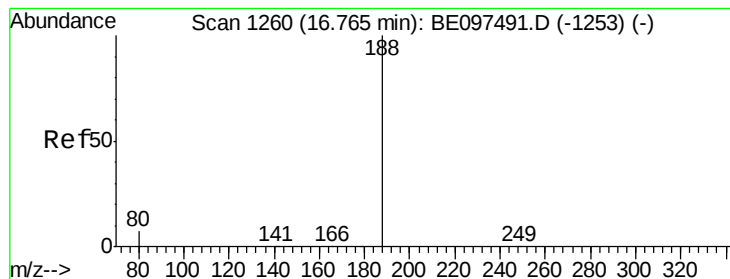
165 94.8 77.8 116.6

167 13.0 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

AOC10-01-D

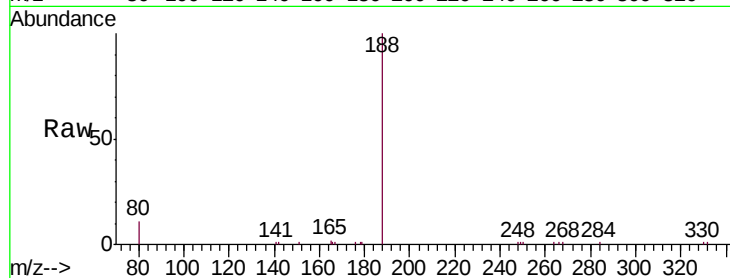
Tgt Ion:188 Resp: 7509

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

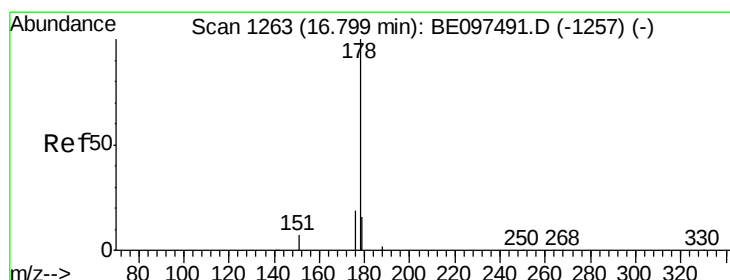
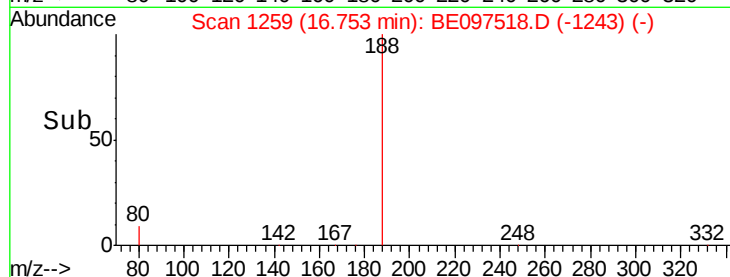
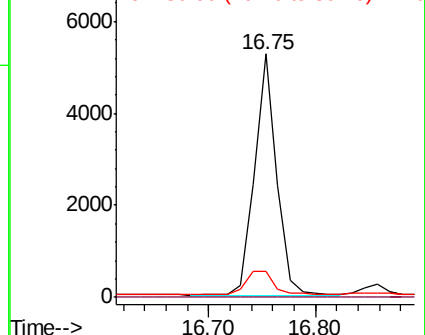
80 10.8 3.6 5.4#



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: 0.527 ng

RT: 16.79 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

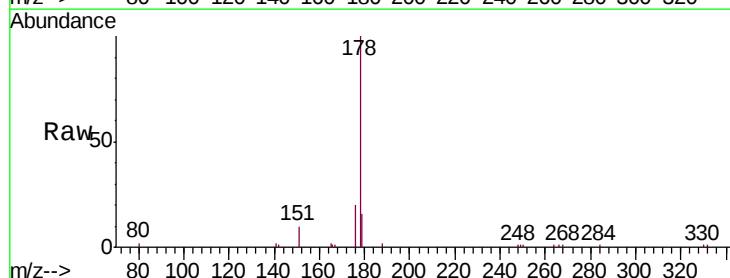
Tgt Ion:178 Resp: 9313

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

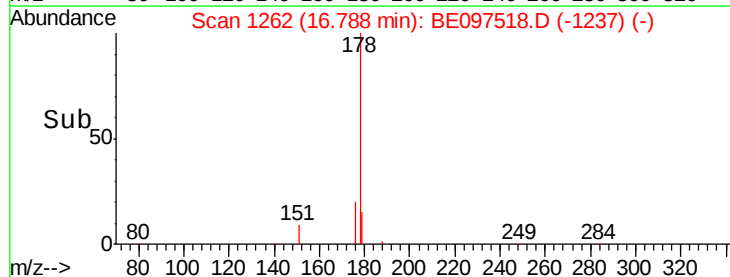
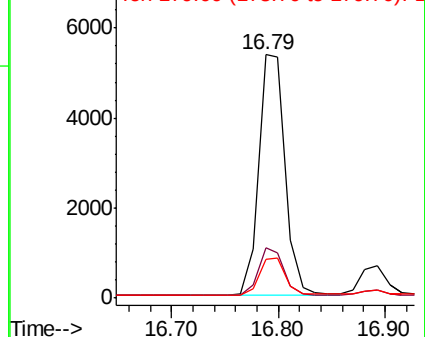
179 15.7 11.8 17.6

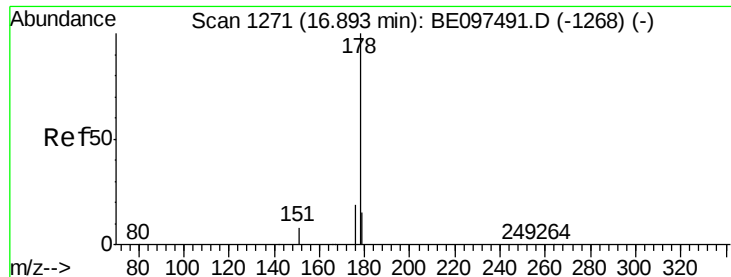


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.064 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

Instrument :

BNA_E

ClientSampleId :

AOC10-01-D

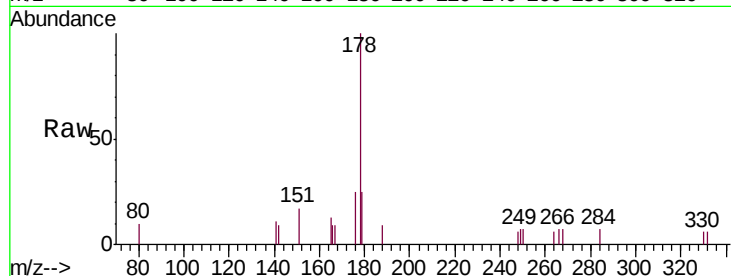
Tgt Ion:178 Resp: 1041

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

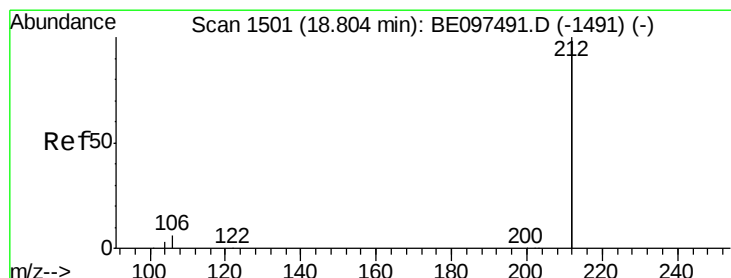
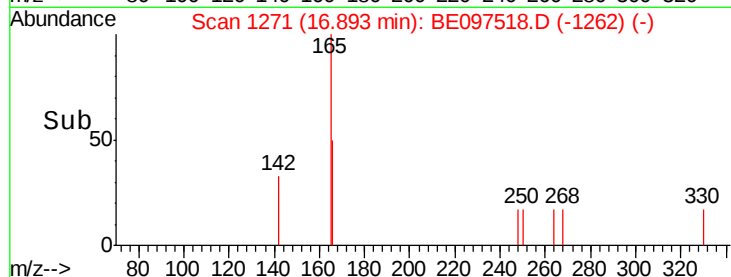
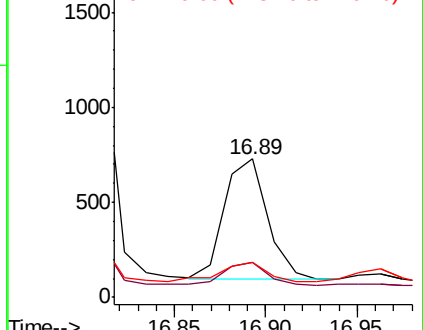
179 16.8 13.0 19.6



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: 0.499 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

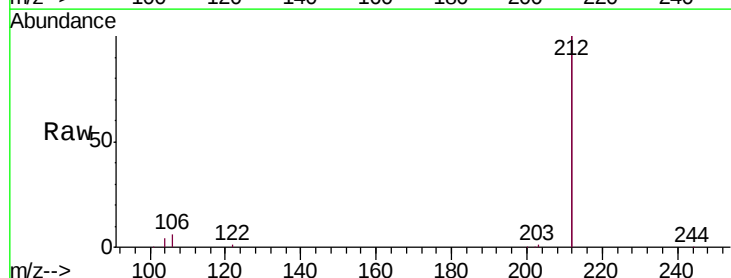
Tgt Ion:212 Resp: 45038

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

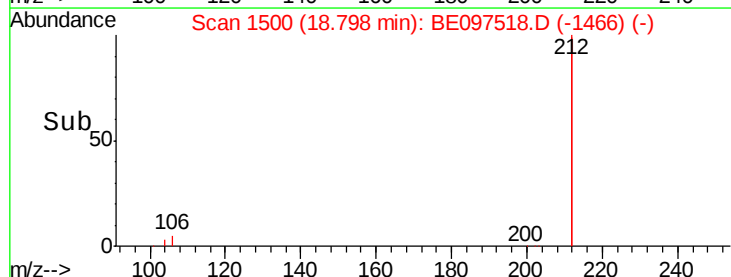
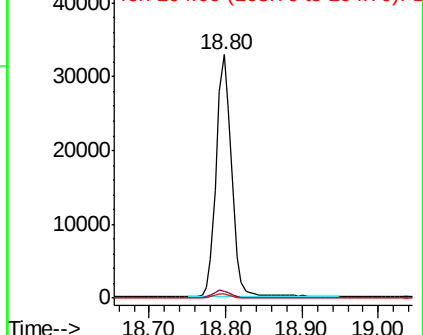
104 1.7 1.6 2.4

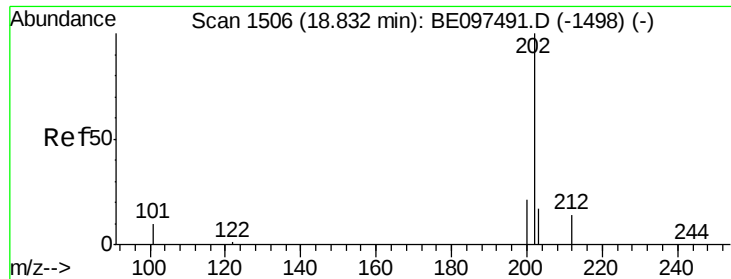


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

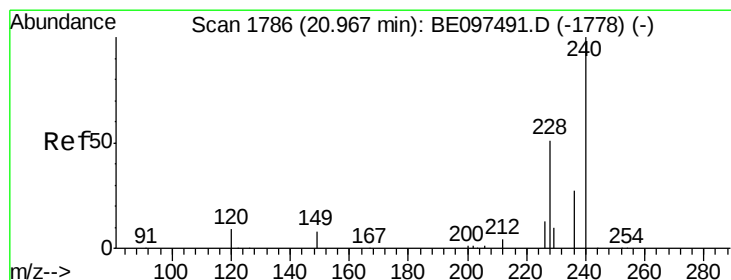
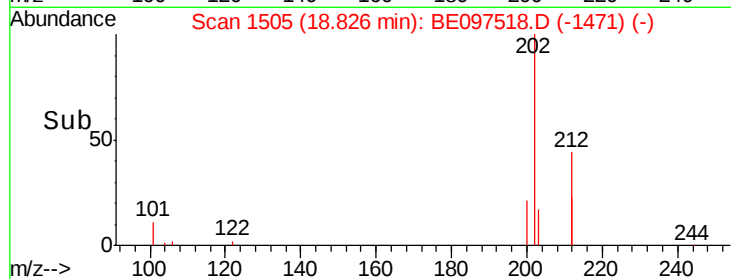
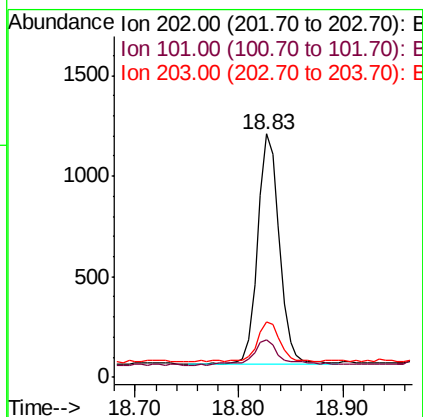
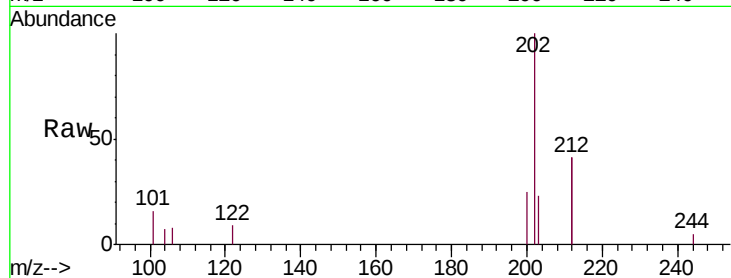




#26
Fluoranthene
Concen: 0.072 ng
RT: 18.83 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

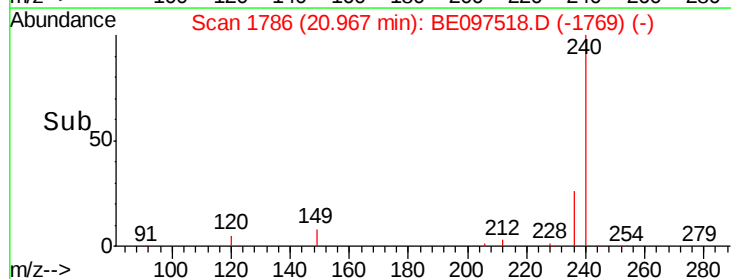
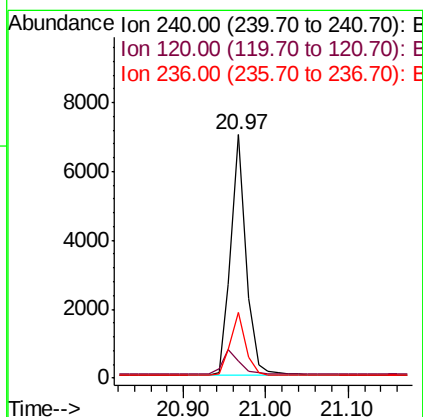
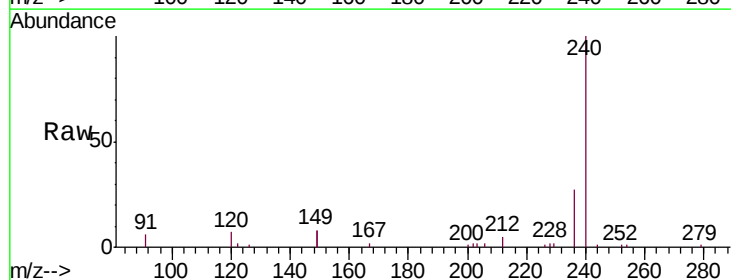
Instrument :
BNA_E
ClientSampleId :
AOC10-01-D

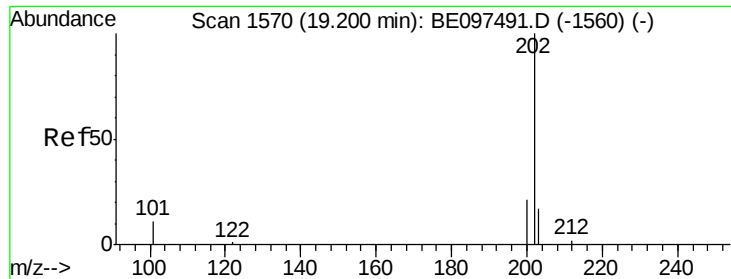
Tgt Ion: 202 Resp: 1668
Ion Ratio Lower Upper
202 100
101 14.0 9.8 14.8
203 17.6 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097518.D
Acq: 18 Sep 2018 5:37

Tgt Ion: 240 Resp: 9207
Ion Ratio Lower Upper
240 100
120 6.9 5.5 8.3
236 27.2 20.7 31.1





#28

Pyrene

Concen: 0.057 ng

RT: 19.19 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BE097518.D

Acq: 18 Sep 2018 5:37

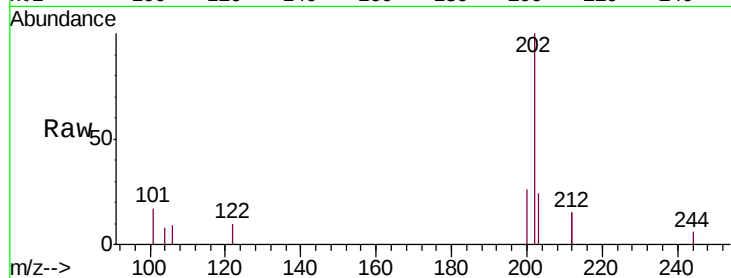
Instrument :

BNA_E

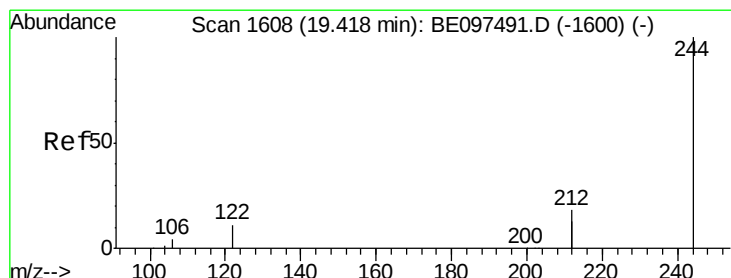
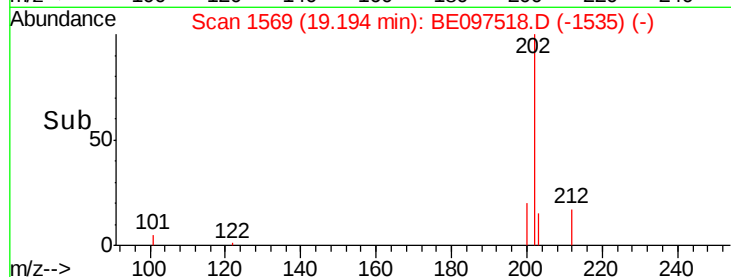
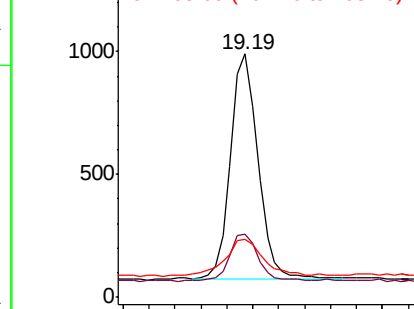
ClientSampleId :

AOC10-01-D

Tgt Ion:	202	Resp:	1341
Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.6	25.0
203	23.9	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: 0.555 ng

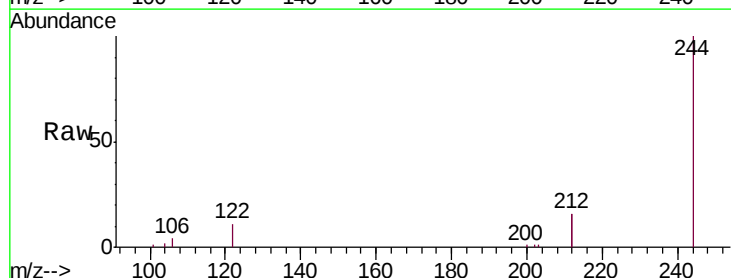
RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

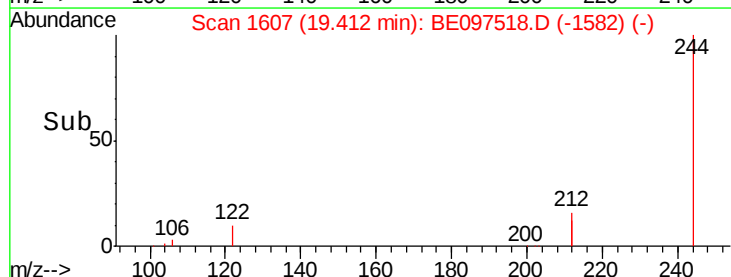
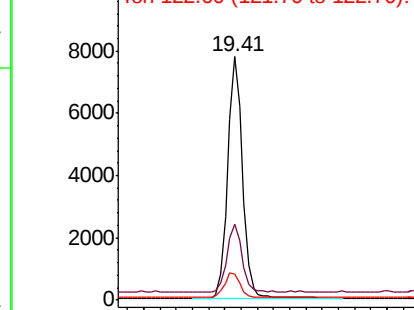
Lab File: BE097518.D

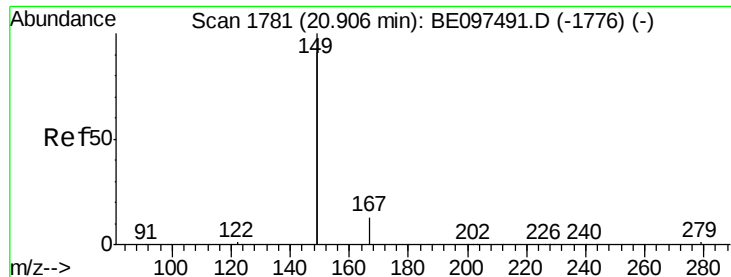
Acq: 18 Sep 2018 5:37

Tgt Ion:	244	Resp:	9779
Ion	Ratio	Lower	Upper
244	100		
212	31.4	25.4	38.0
122	10.7	8.1	12.1



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

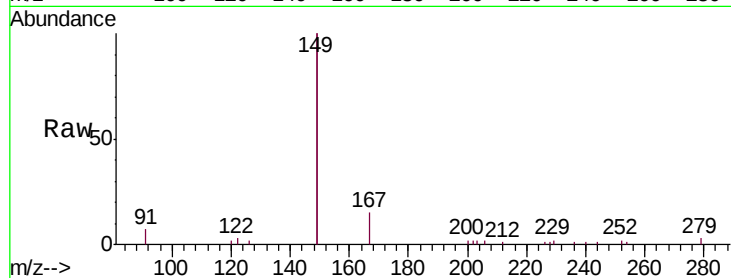




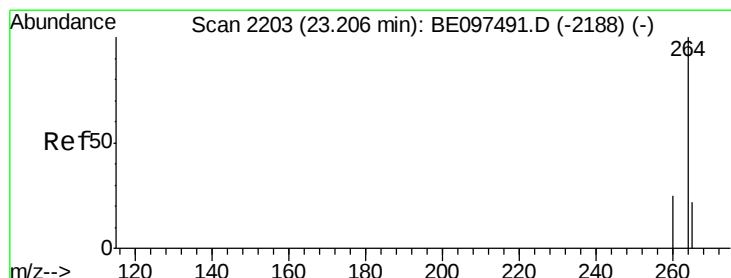
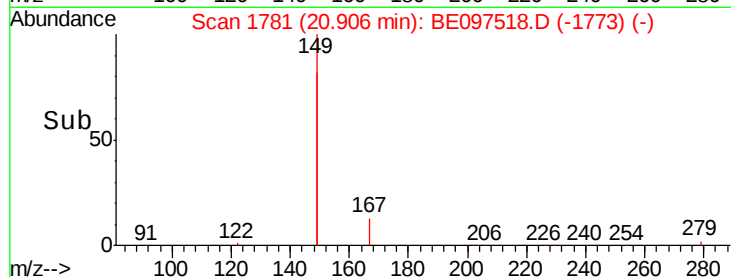
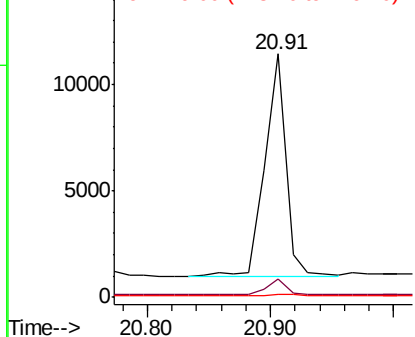
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.241 ng
 RT: 20.91 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Instrument :
 BNA_E
 ClientSampleId :
 AOC10-01-D

Tgt Ion:149 Resp: 12414
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.4 8.0
 279 1.2 0.7 1.1#

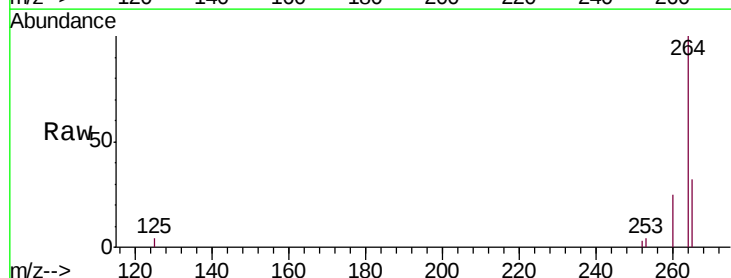


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BE097518.D
 Acq: 18 Sep 2018 5:37

Tgt Ion:264 Resp: 9136
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 31.6 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

