

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092618\
 Data File : BE097687.D
 Acq On : 26 Sep 2018 15:39
 Operator : SJ/JU
 Sample : J4892-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 16:31:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 18:40:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	971	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	5037	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	4746	0.40	ng	-0.01
19) Phenanthrene-d10	16.74	188	9318	0.40	ng	-0.01
27) Chrysene-d12	20.95	240	10931	0.40	ng	-0.01
34) Perylene-d12	23.20	264	10396	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	865	0.34	ng	-0.01
5) Phenol-d6	6.61	99	1066	0.30	ng	-0.01
8) Nitrobenzene-d5	8.50	82	2211	0.67	ng	-0.05
11) 2-Methylnaphthalene-d10	11.70	152	3585	0.48	ng	-0.03
14) 2,4,6-Tribromophenol	15.50	330	944	0.48	ng	-0.03
15) 2-Fluorobiphenyl	12.60	172	5620	0.36	ng	-0.03
25) Fluoranthene-d10	18.80	212	52067	0.51	ng	0.00
29) Terphenyl-d14	19.41	244	11000	0.51	ng	0.00

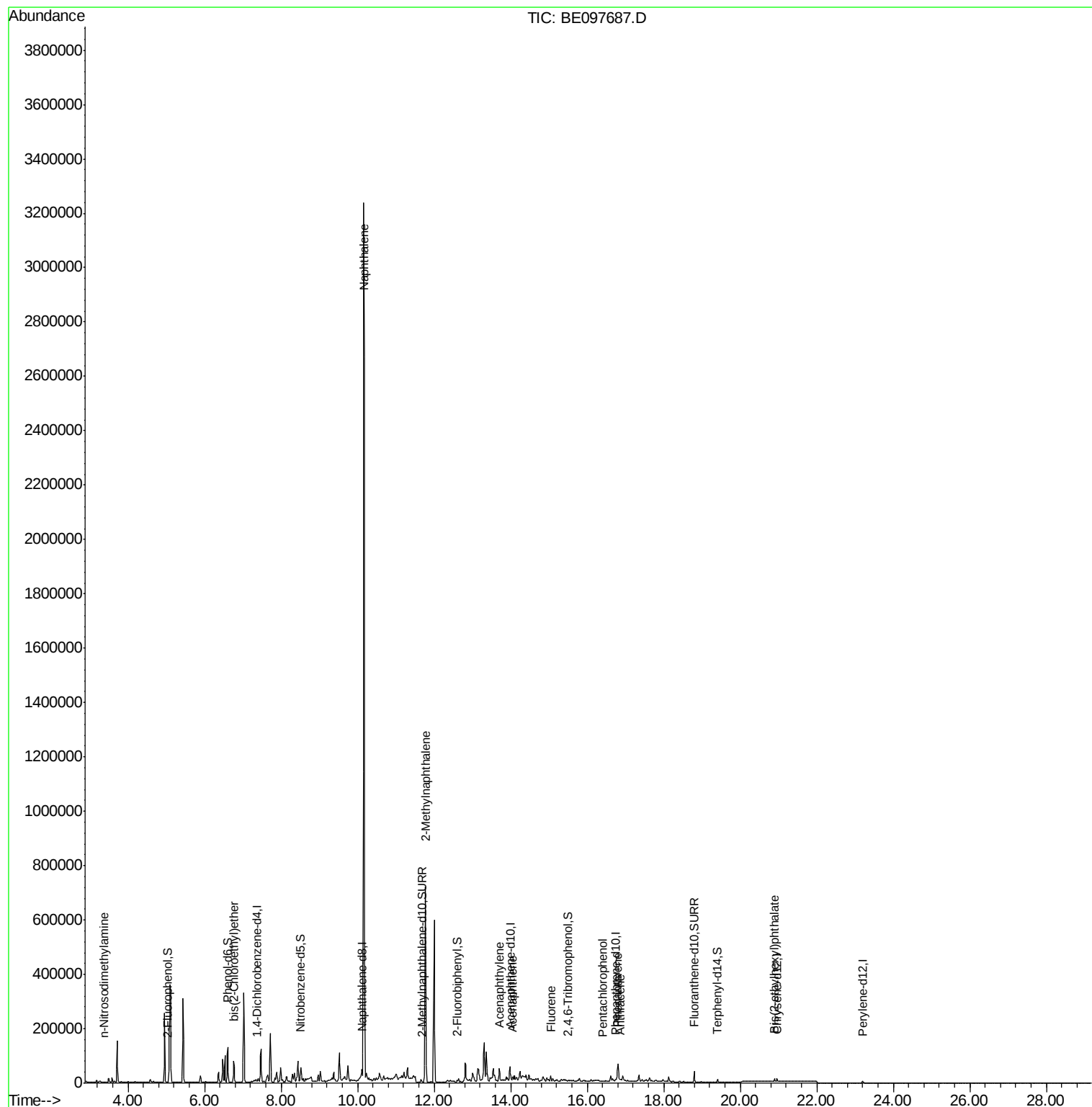
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.36	42	474	0.430	ng	# 1
6) bis(2-Chloroethyl)ether	6.77	93	2471	0.758	ng	# 1
9) Naphthalene	10.16	128	5491308	119.946	ng	99
12) 2-Methylnaphthalene	11.77	142	513932	70.896	ng	97
16) Acenaphthylene	13.72	152	2985	0.156	ng	# 1
17) Acenaphthene	14.05	154	3586	0.288	ng	# 75
18) Fluorene	15.05	166	12512	0.714	ng	# 78
22) Pentachlorophenol	16.42	266	43	0.058	ng	95
23) Phenanthrene	16.79	178	4408	0.200	ng	# 55
24) Anthracene	16.87	178	465	0.025	ng	# 62
32) Bis(2-ethylhexyl)phthalate	20.89	149	13994	0.474	ng	# 99

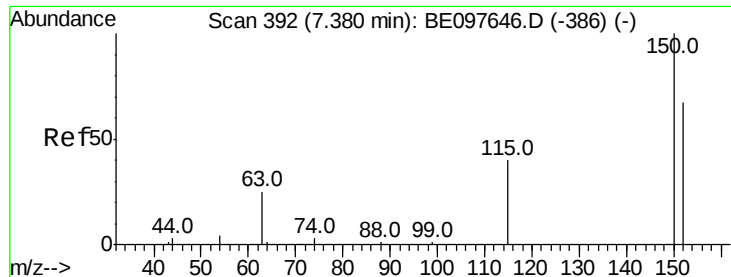
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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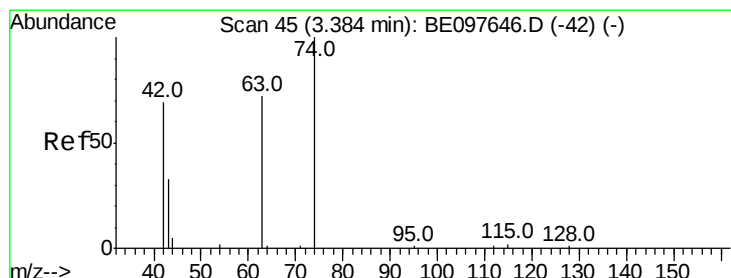
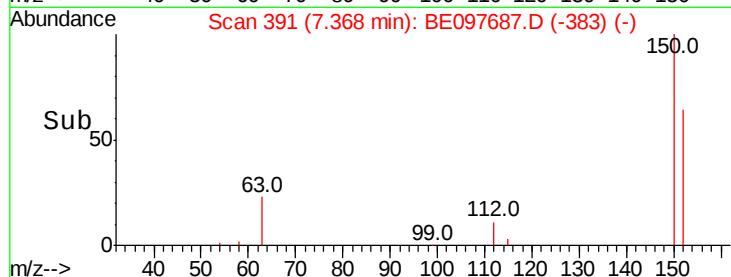
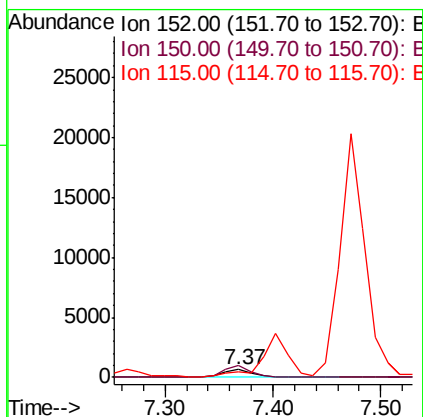
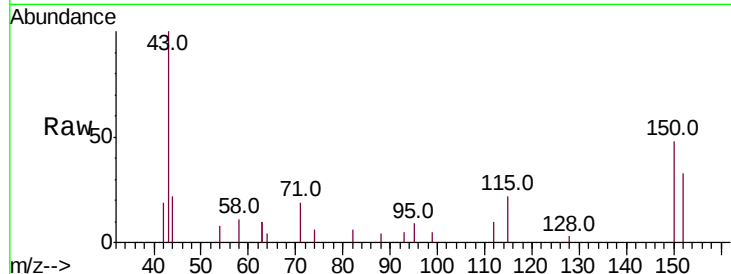


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097687.D
Acq: 26 Sep 2018 15:39

Instrument :
BNA_E
ClientSampleId :

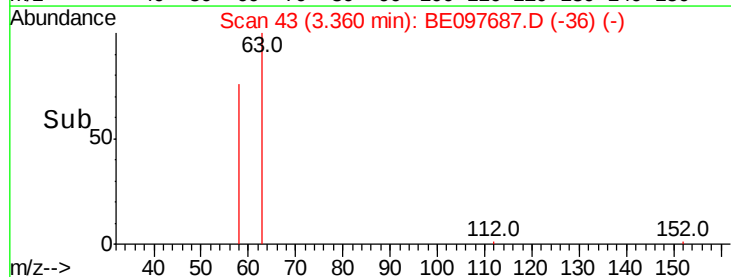
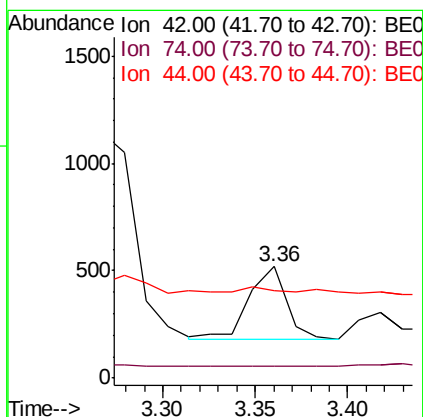
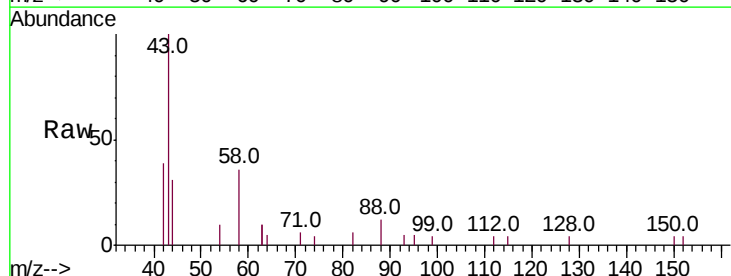
Tot Ion:152 Resp: 971
Ion Ratio Lower Upper
152 100
150 147.7 117.2 175.8
115 67.5 57.0 85.6

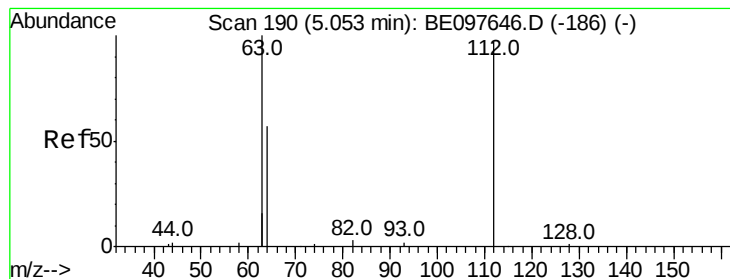


#3

n-Nitrosodimethylamine
Concen: 0.430 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE097687.D
Acq: 26 Sep 2018 15:39

Tgt Ion: 42 Resp: 474
Ion Ratio Lower Upper
42 100
74 0.4 96.0 144.0#
44 3.2 12.0 18.0#





#4

2-Fluorophenol

Concen: 0.338 ng

RT: 5.04 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :
BNA_E
ClientSampleId :

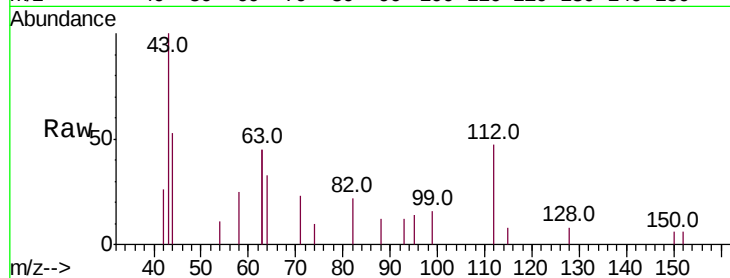
Tot Ion: 112 Resp: 865

Ion Ratio Lower Upper

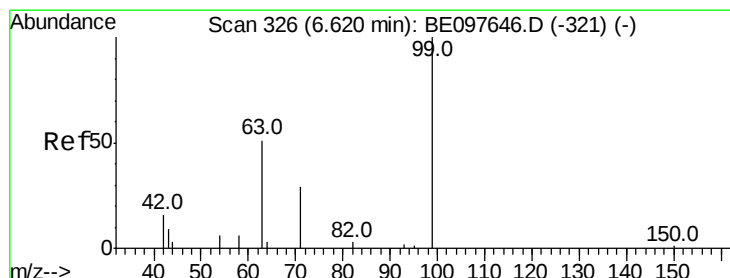
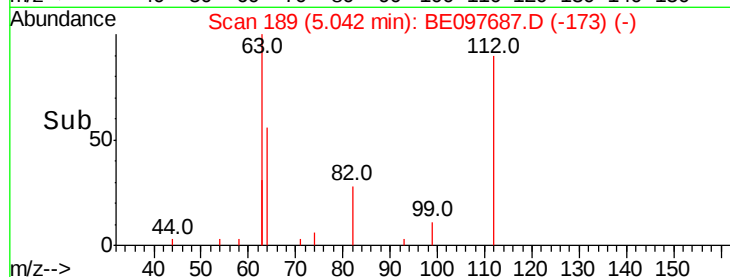
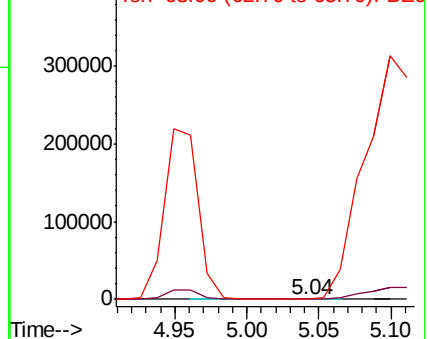
112 100

64 0.0 60.1 90.1#

63 0.0 116.8 175.2#



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



#5

Phenol-d6

Concen: 0.295 ng

RT: 6.61 min Scan# 325

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

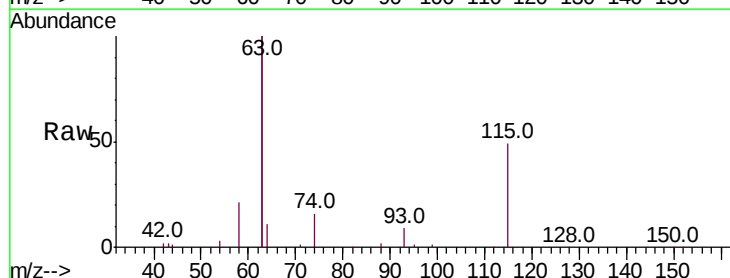
Tgt Ion: 99 Resp: 1066

Ion Ratio Lower Upper

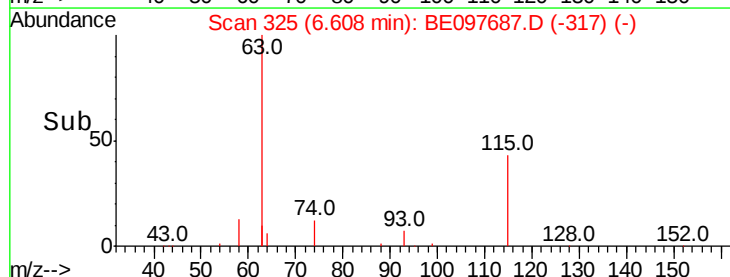
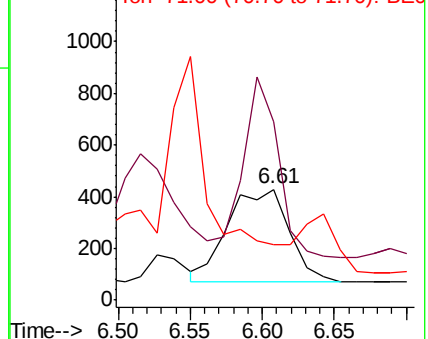
99 100

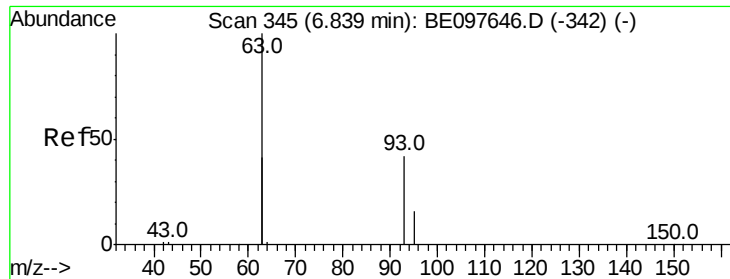
42 113.1 20.2 30.2#

71 0.0 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: 0.758 ng

RT: 6.77 min Scan# 339

Delta R.T. -0.07 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

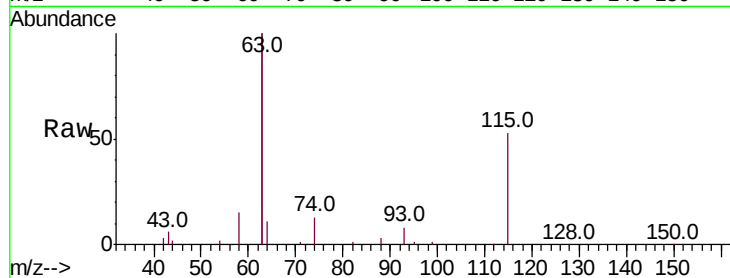
Tot Ion: 93 Resp: 2471

Ion Ratio Lower Upper

93 100

63 3438.9 275.3 412.9#

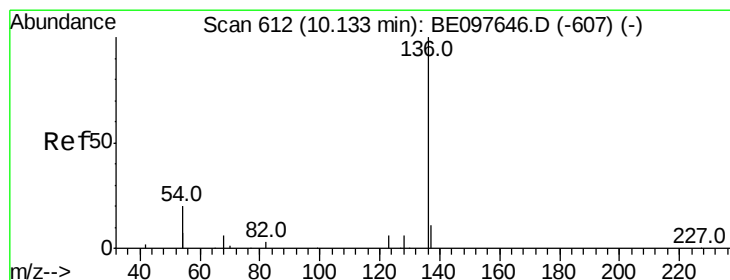
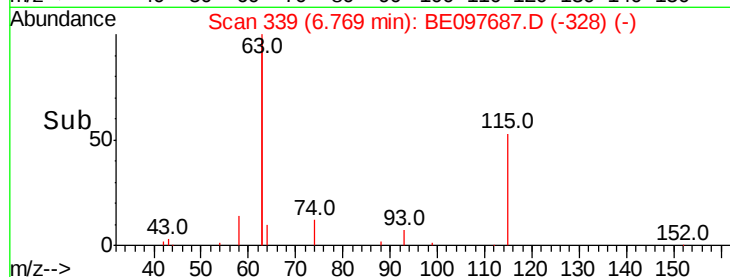
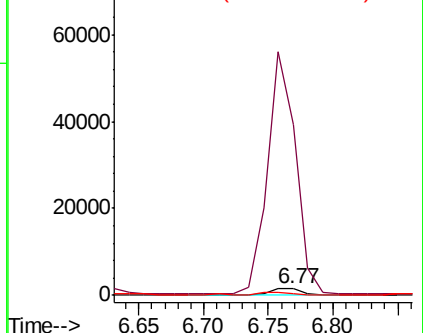
95 53.3 25.2 37.8#



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: BE097687.D

Acq: 26 Sep 2018 15:39

Tgt Ion: 136 Resp: 5037

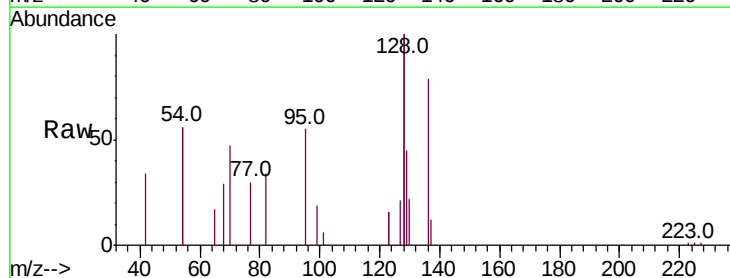
Ion Ratio Lower Upper

136 100

137 15.4 9.5 14.3#

54 142.1 29.1 43.7#

68 36.7 6.2 9.2#

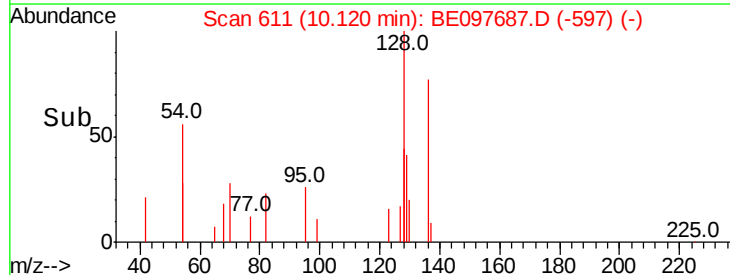
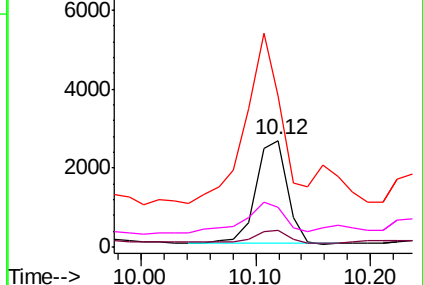


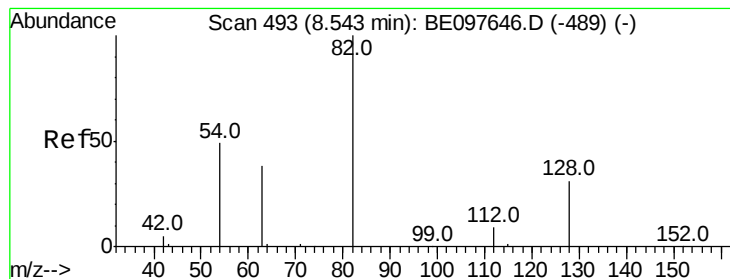
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.668 ng

RT: 8.50 min Scan# 489

Delta R.T. -0.05 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampled :

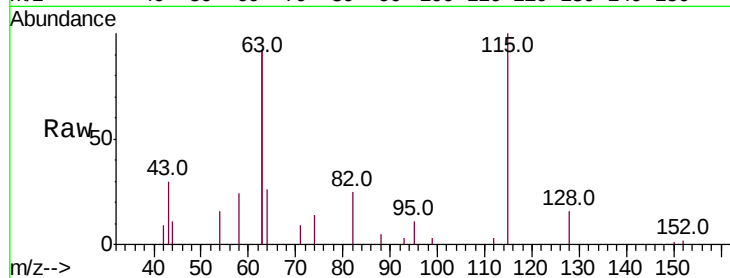
Tot Ion: 82 Resp: 2211

Ion Ratio Lower Upper

82 100

128 65.6 24.0 36.0#

54 62.9 40.0 60.0#

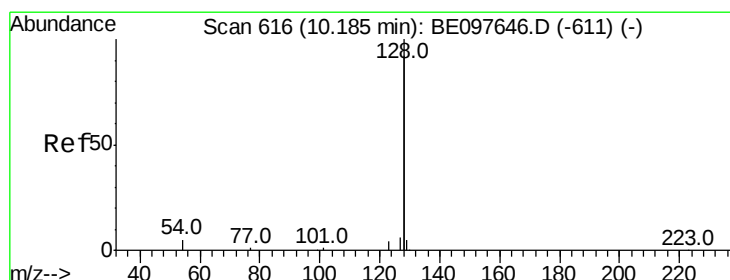
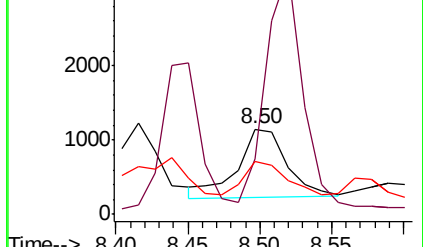
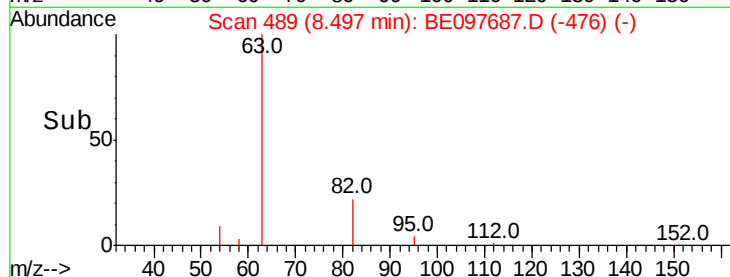


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#9

Naphthalene

Concen: 119.946 ng

RT: 10.16 min Scan# 614

Delta R.T. -0.03 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

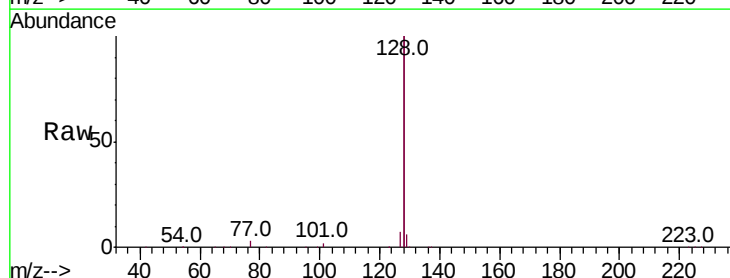
Tgt Ion:128 Resp: 5491308

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

127 3.5 2.8 4.2

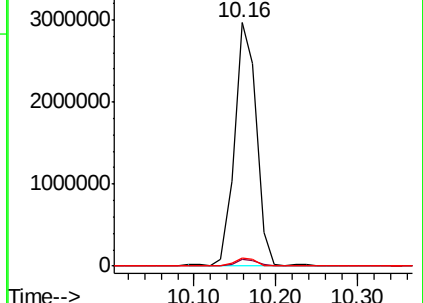
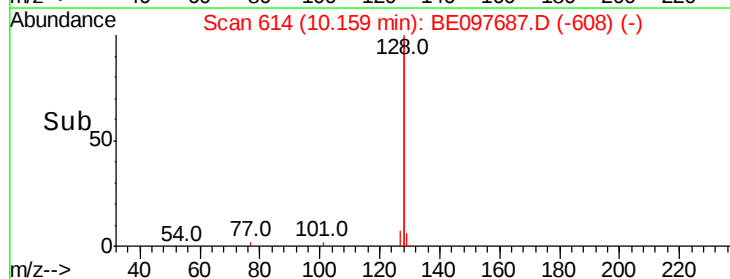


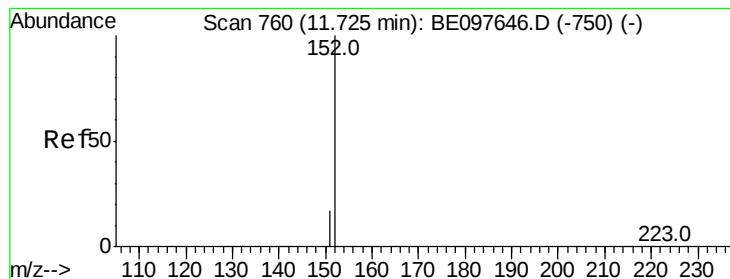
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.481 ng

RT: 11.70 min Scan# 754

Delta R.T. -0.03 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

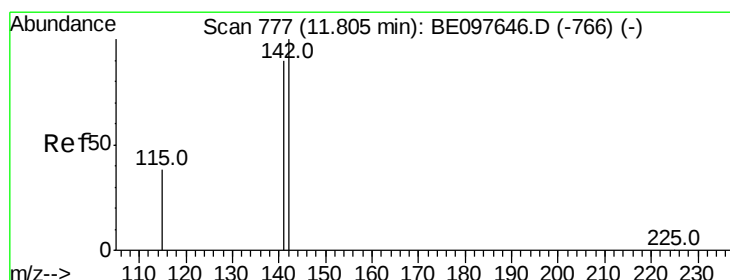
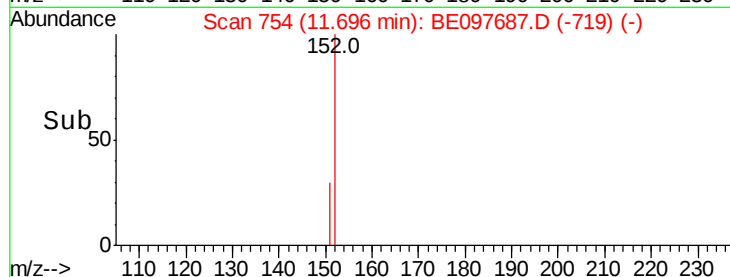
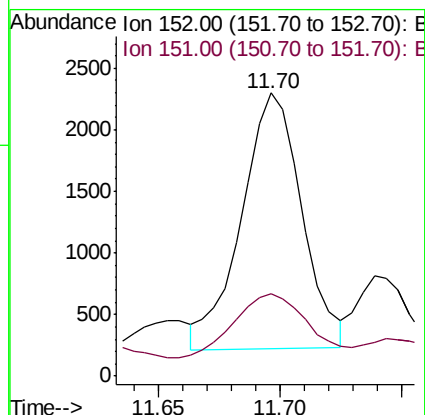
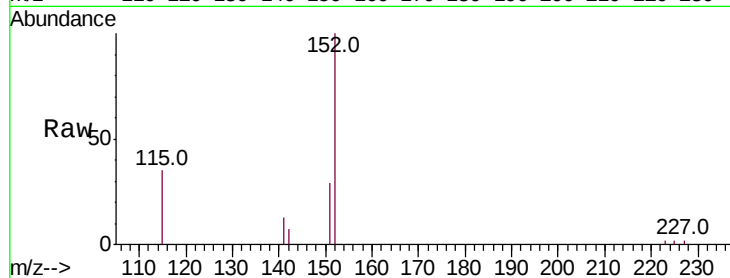
ClientSampled :

Tot Ion:152 Resp: 3585

Ion Ratio Lower Upper

152 100

151 29.8 15.4 23.0#



#12

2-Methylnaphthalene

Concen: 70.896 ng

RT: 11.77 min Scan# 770

Delta R.T. -0.03 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

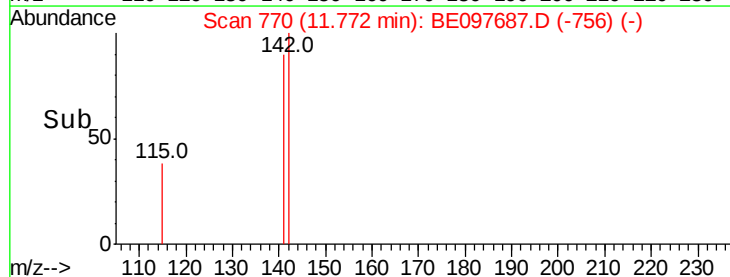
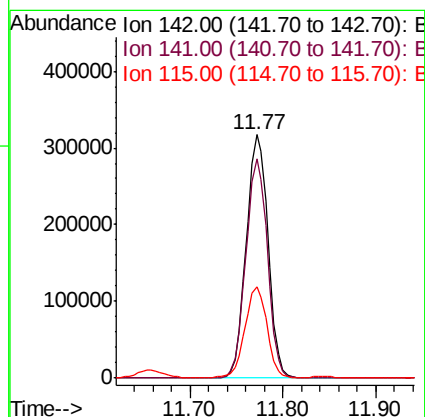
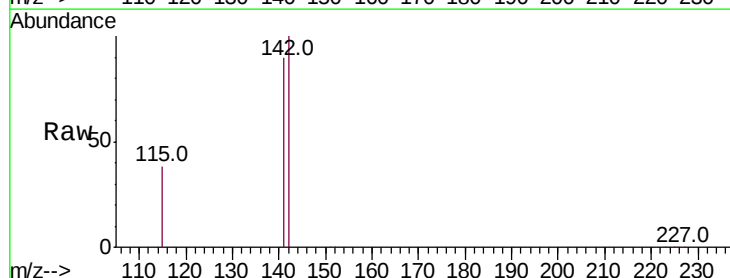
Tgt Ion:142 Resp: 513932

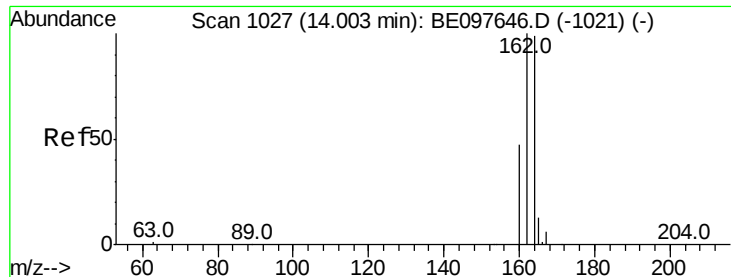
Ion Ratio Lower Upper

142 100

141 90.2 70.4 105.6

115 37.7 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

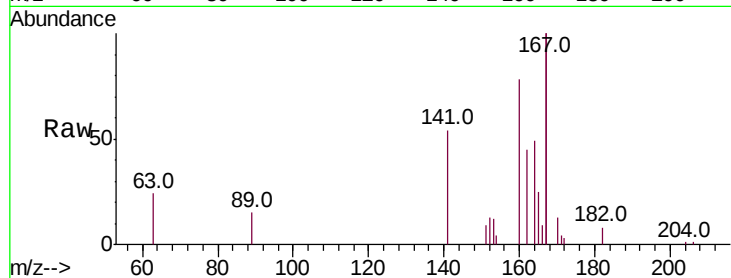
Tot Ion:164 Resp: 4746

Ion Ratio Lower Upper

164 100

162 92.9 83.1 124.7

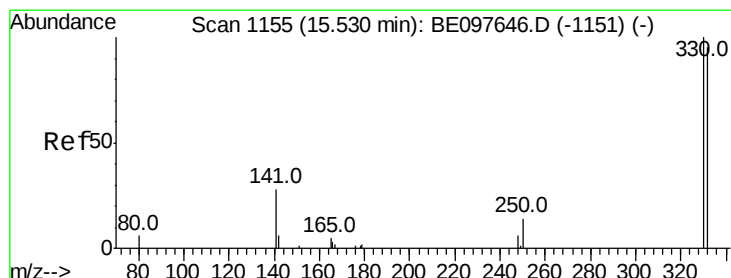
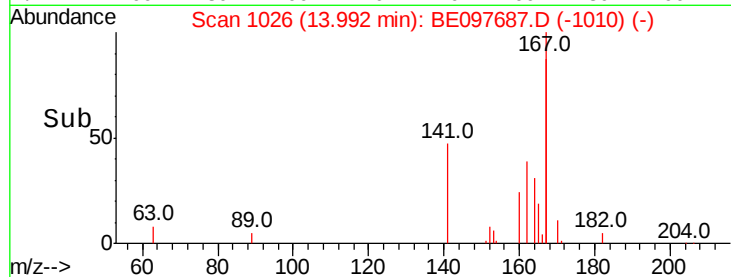
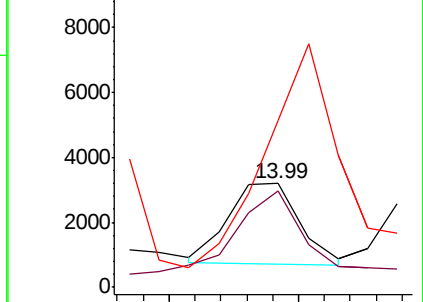
160 160.7 37.1 55.7#



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: 0.479 ng

RT: 15.50 min Scan# 1152

Delta R.T. -0.03 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

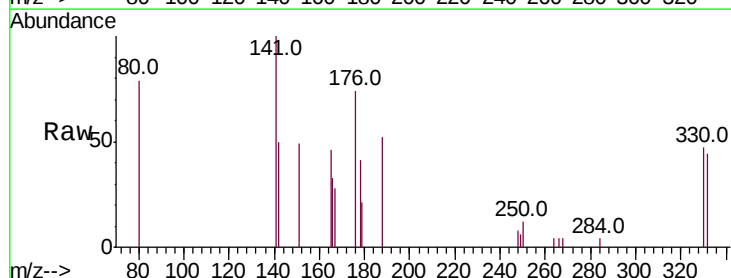
Tgt Ion:330 Resp: 944

Ion Ratio Lower Upper

330 100

332 95.2 152.7 229.1#

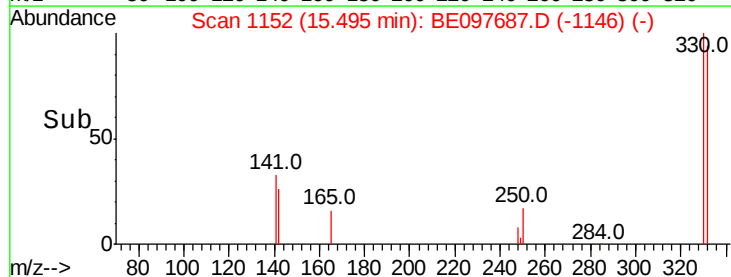
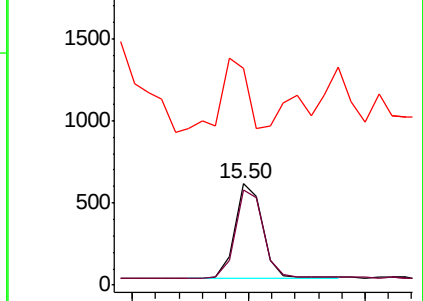
141 66.2 33.7 50.5#

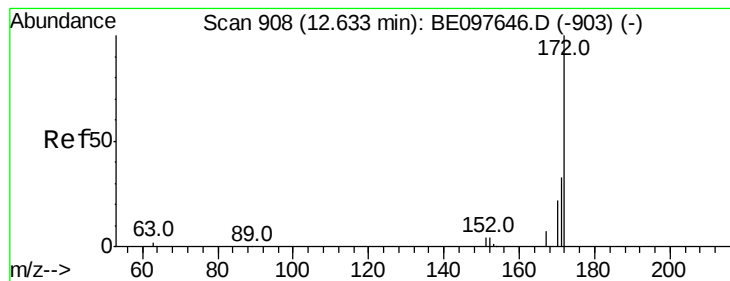


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.363 ng

RT: 12.60 min Scan# 905

Delta R.T. -0.03 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

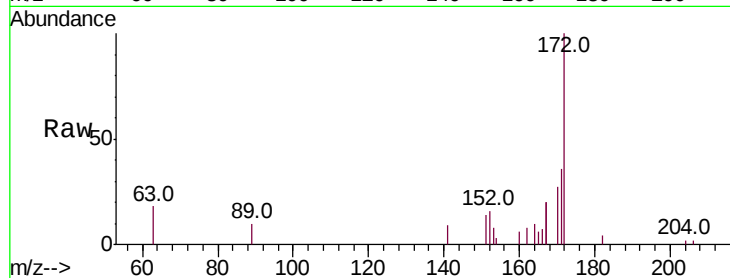
Tot Ion:172 Resp: 5620

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

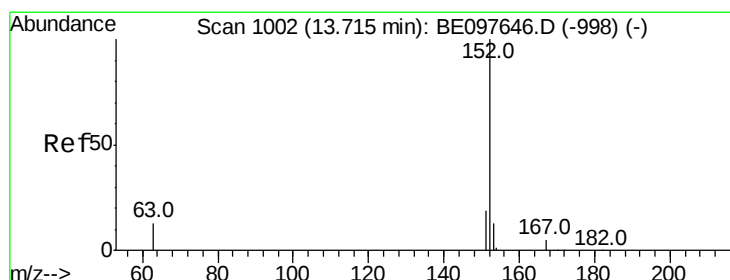
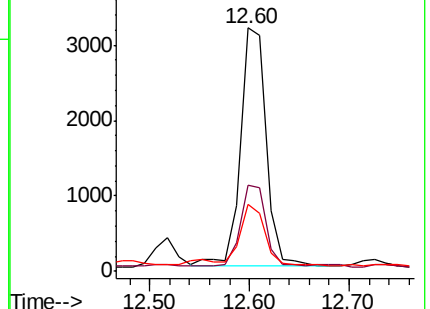
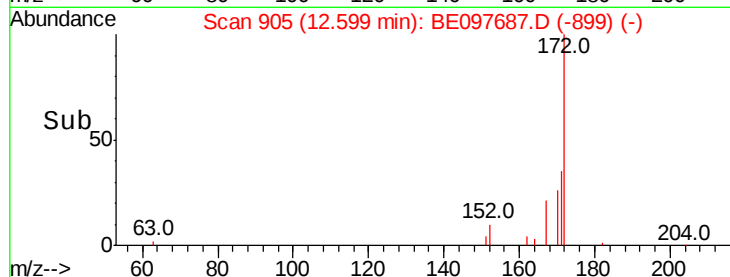
170 27.5 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.156 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

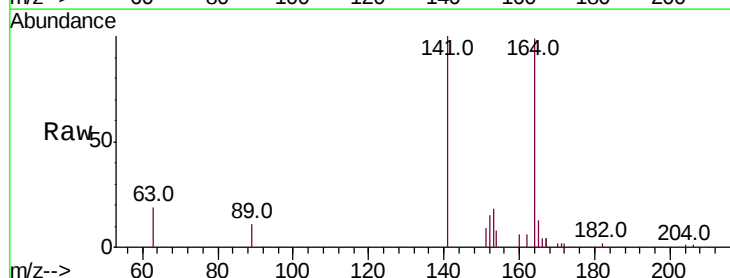
Tgt Ion:152 Resp: 2985

Ion Ratio Lower Upper

152 100

151 71.5 15.7 23.5#

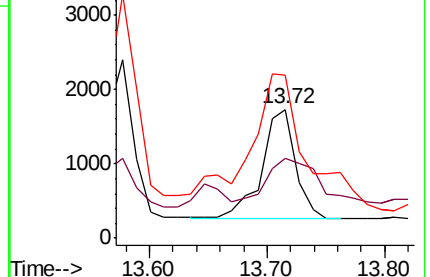
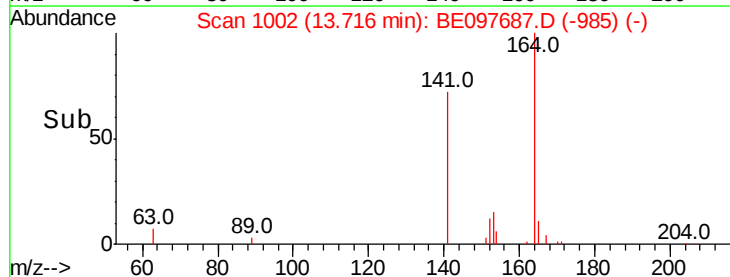
153 225.4 10.5 15.7#

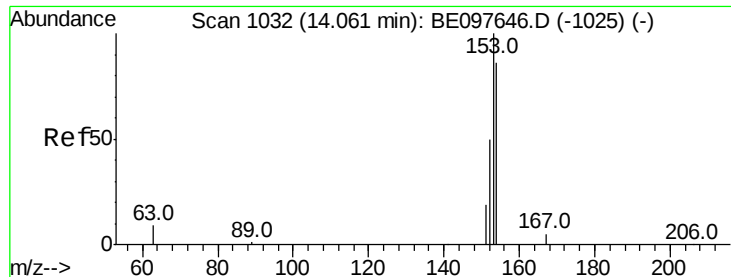


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

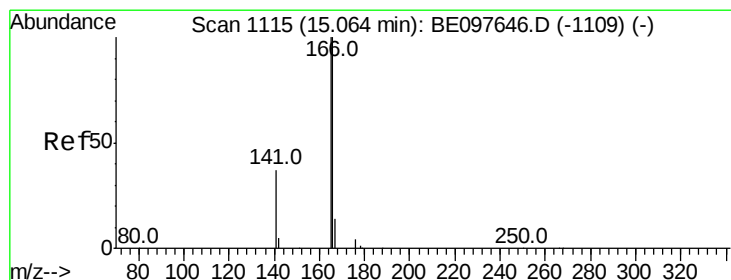
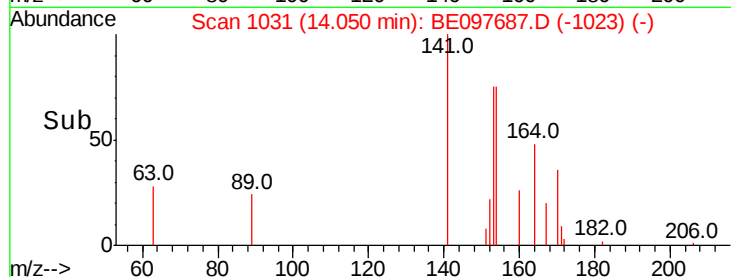
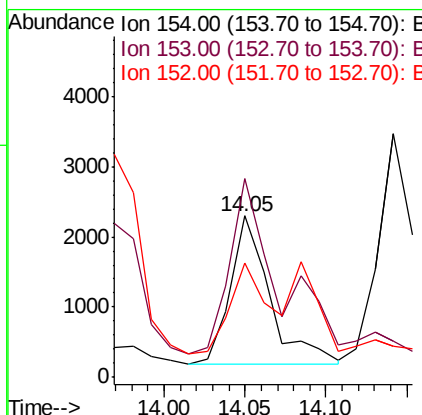
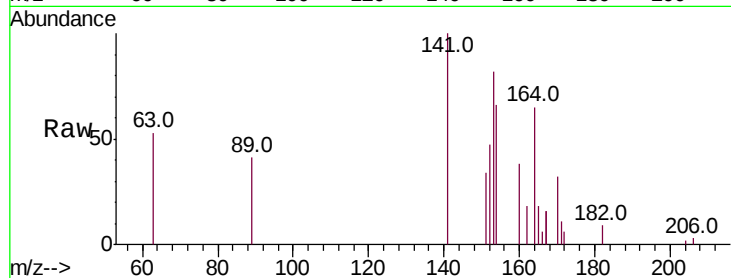




#17
Acenaphthene
Concen: 0.288 ng
RT: 14.05 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BE097687.D
Acq: 26 Sep 2018 15:39

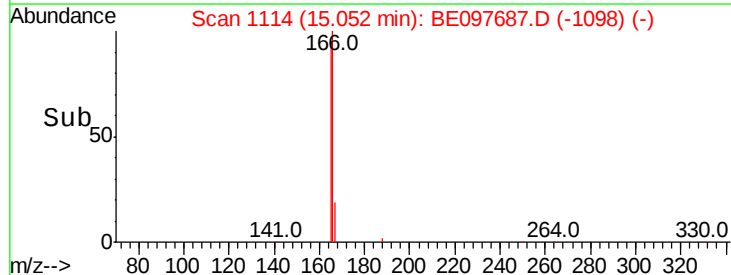
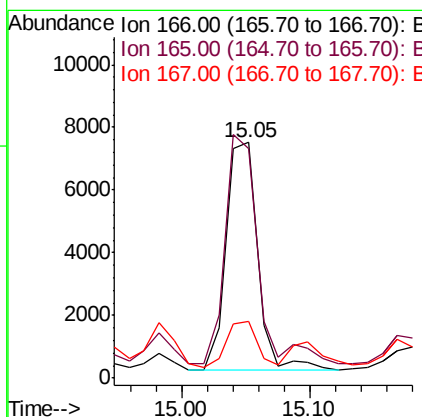
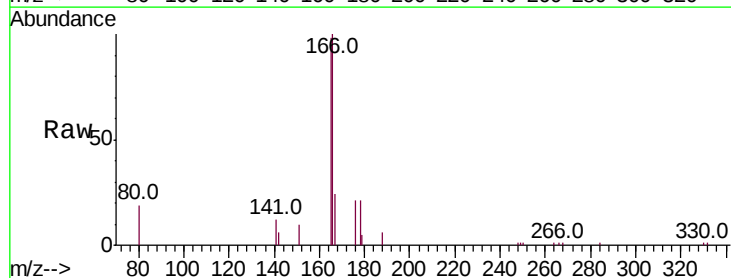
Instrument :
BNA_E
ClientSampleId :

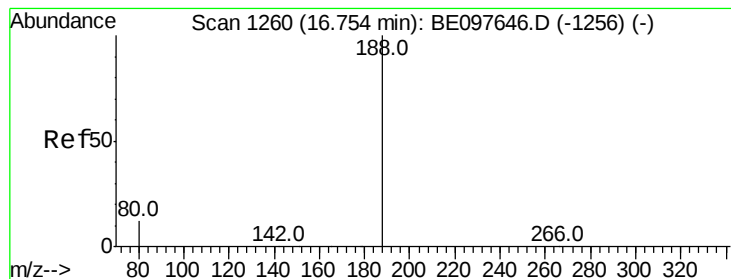
Tot Ion:154 Resp: 3586
Ion Ratio Lower Upper
154 100
153 145.1 89.2 133.8#
152 60.8 42.0 63.0



#18
Fluorene
Concen: 0.714 ng
RT: 15.05 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE097687.D
Acq: 26 Sep 2018 15:39

Tgt Ion:166 Resp: 12512
Ion Ratio Lower Upper
166 100
165 105.7 77.8 116.6
167 20.1 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.74 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

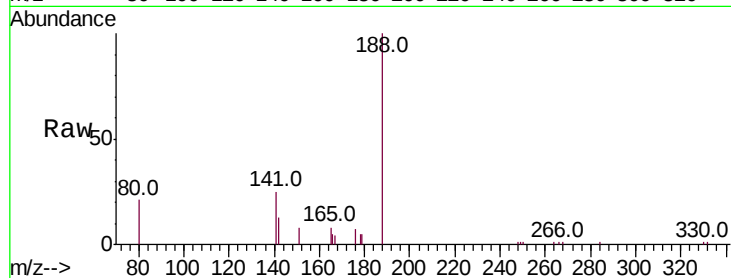
Tot Ion:188 Resp: 9318

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

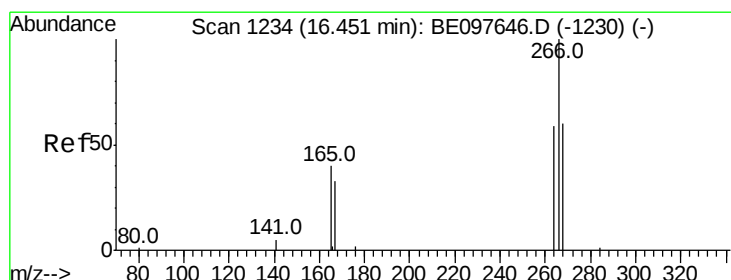
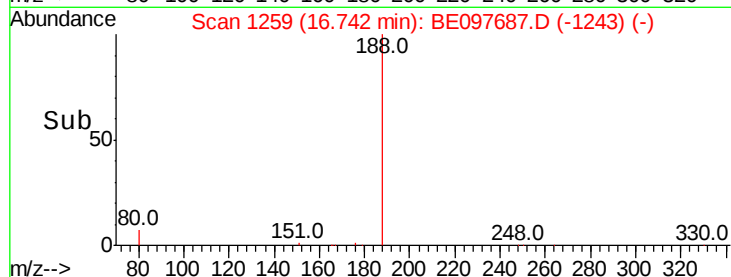
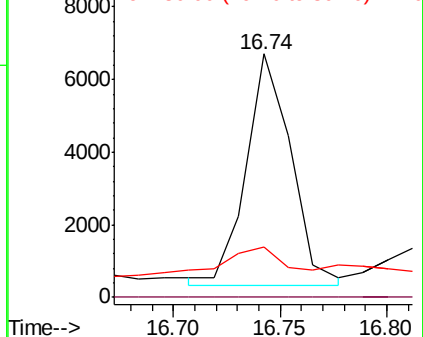
80 20.8 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.058 ng

RT: 16.42 min Scan# 1231

Delta R.T. -0.04 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

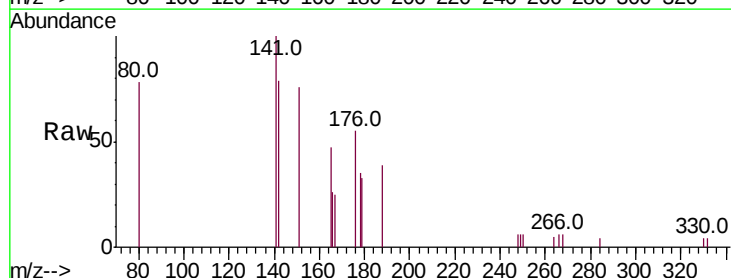
Tgt Ion:266 Resp: 43

Ion Ratio Lower Upper

266 100

264 90.0 72.5 108.7

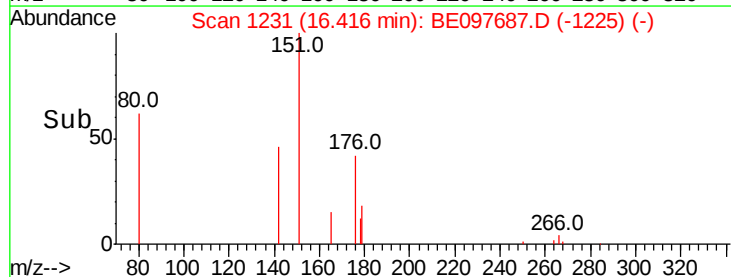
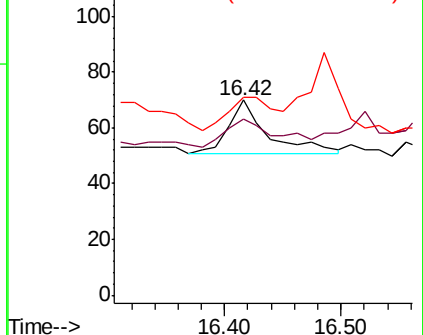
268 101.4 73.8 110.6

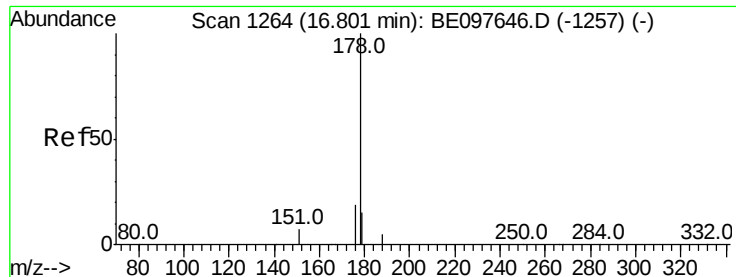


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.200 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

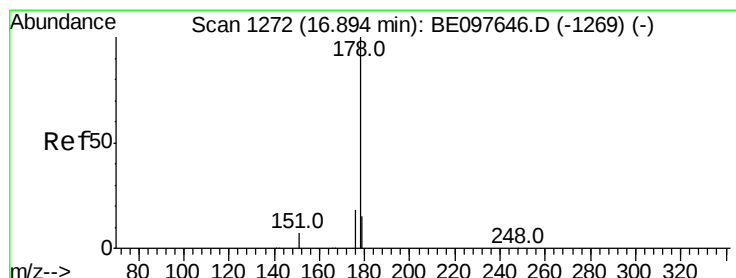
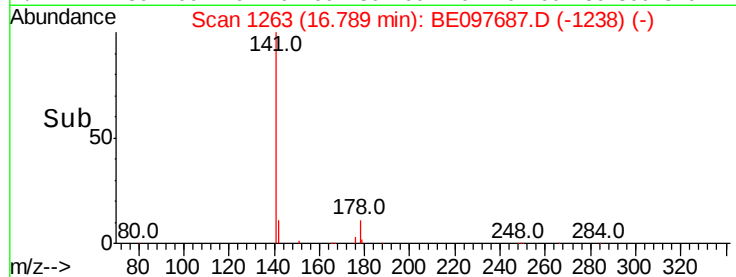
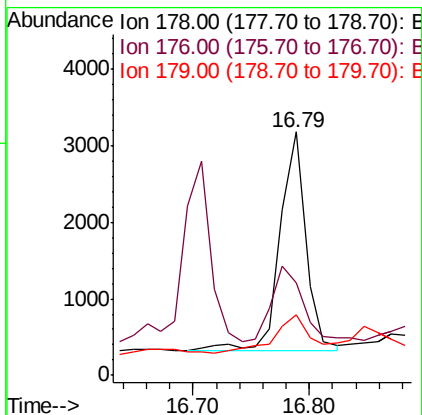
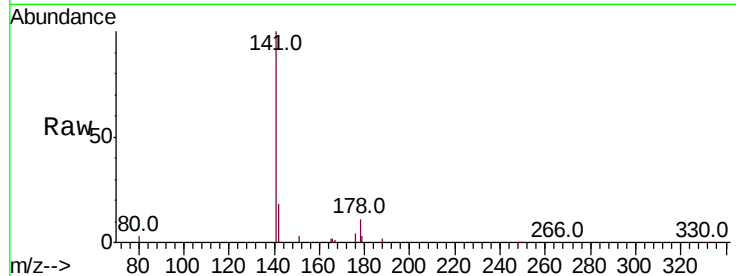
Tot Ion:178 Resp: 4408

Ion Ratio Lower Upper

178 100

176 47.7 15.1 22.7#

179 22.8 11.8 17.6#



#24

Anthracene

Concen: 0.025 ng

RT: 16.87 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

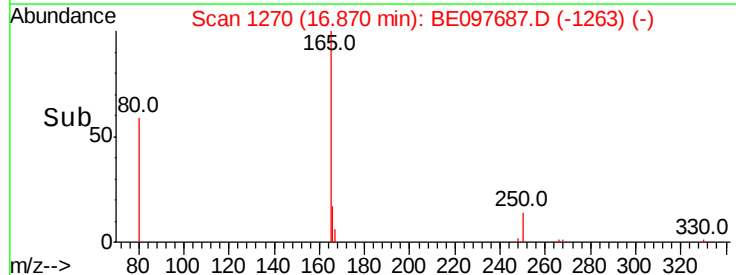
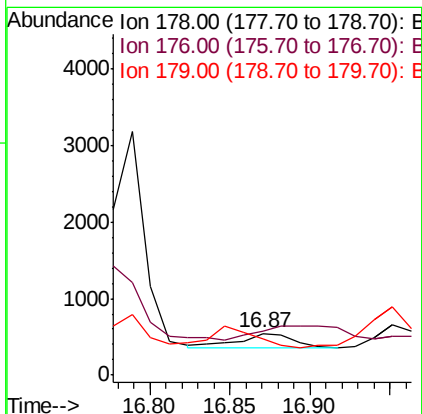
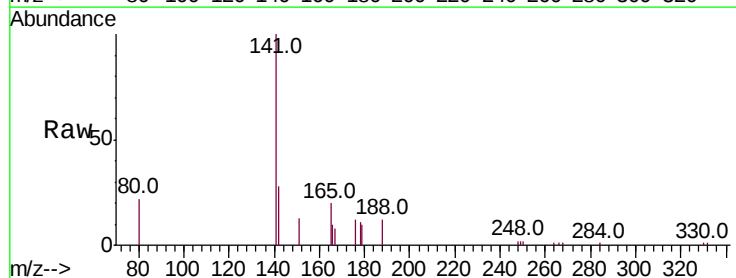
Tgt Ion:178 Resp: 465

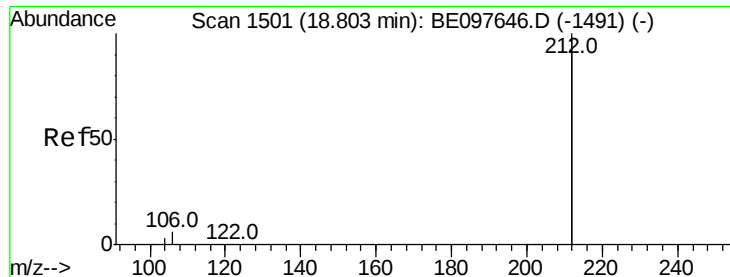
Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

179 0.0 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.513 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

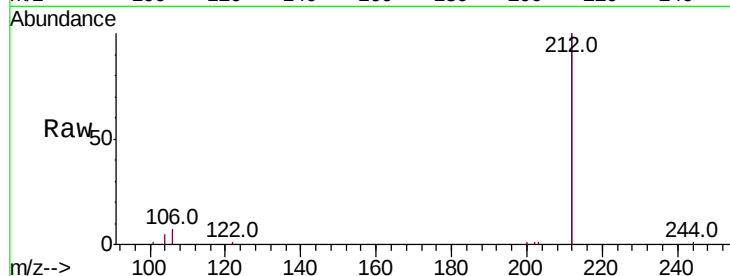
Tot Ion:212 Resp: 52067

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

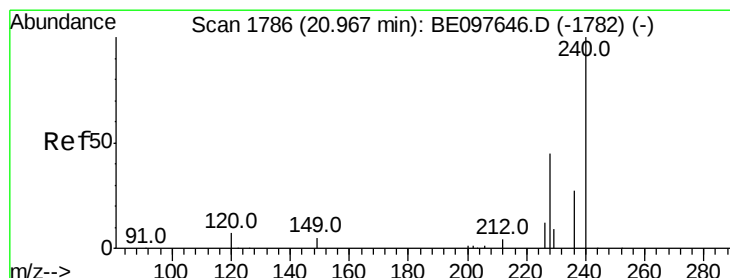
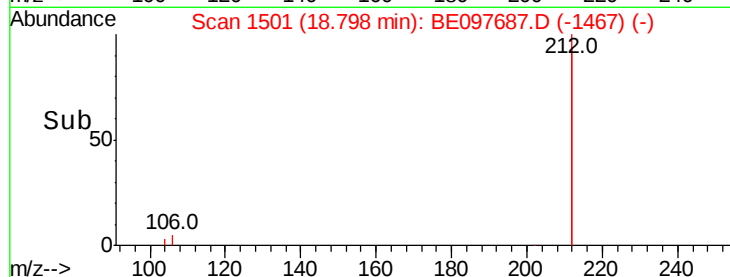
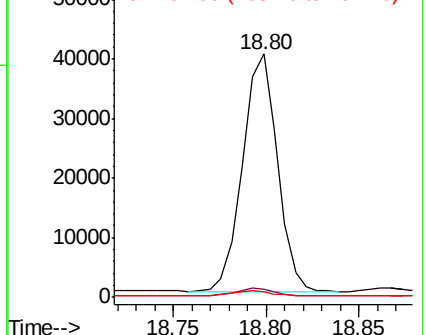
104 1.7 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

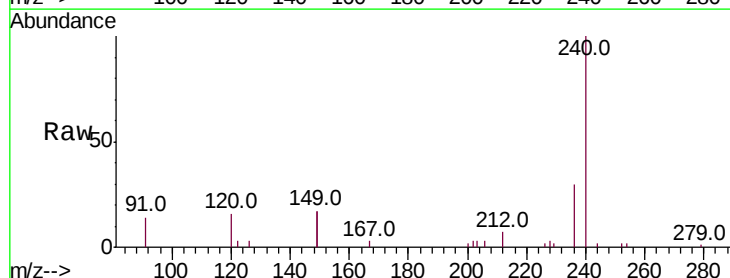
Tgt Ion:240 Resp: 10931

Ion Ratio Lower Upper

240 100

120 16.1 5.5 8.3#

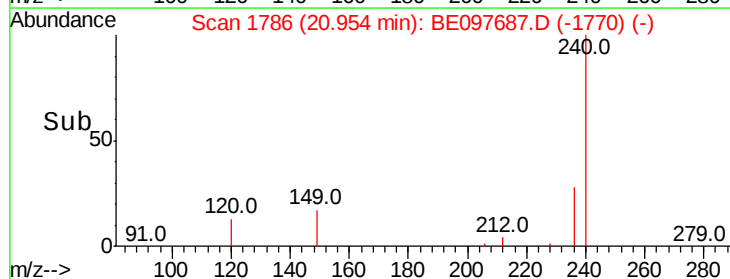
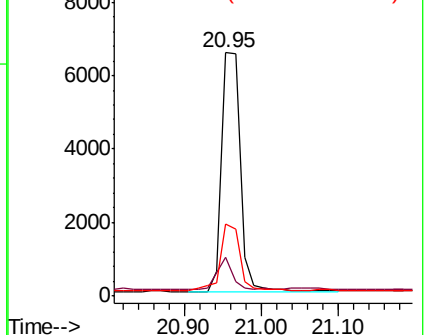
236 29.7 20.7 31.1

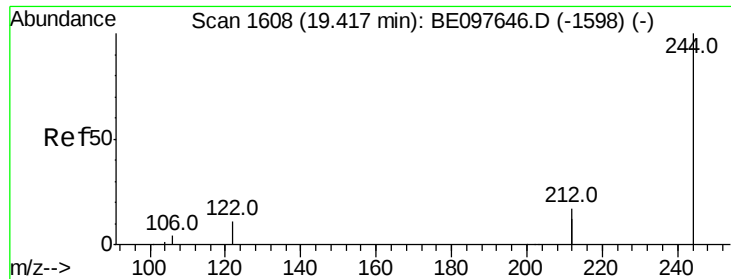


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.511 ng

RT: 19.41 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampled :

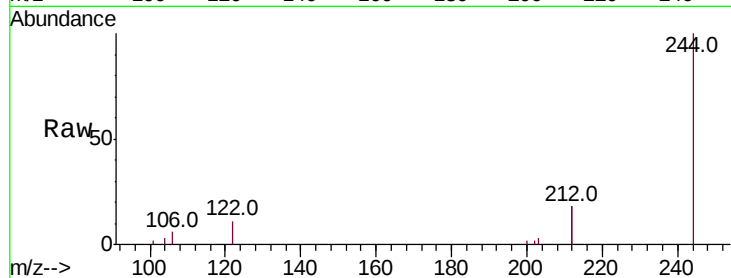
Tot Ion:244 Resp: 11000

Ion Ratio Lower Upper

244 100

212 35.7 25.4 38.0

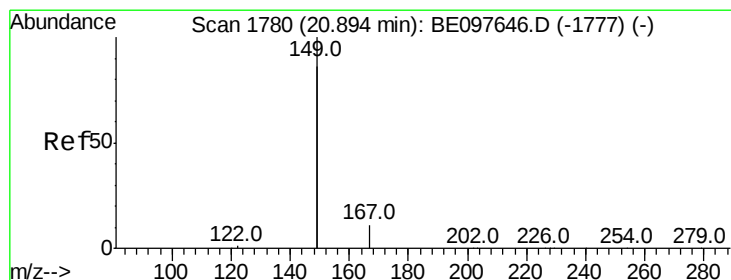
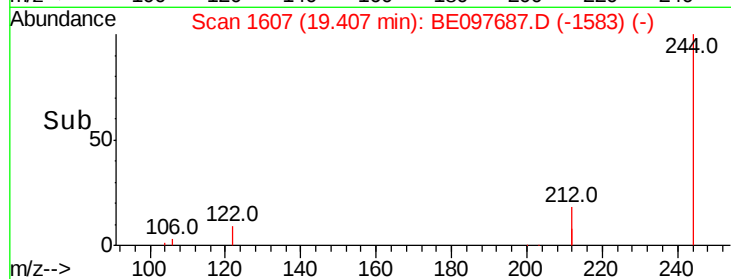
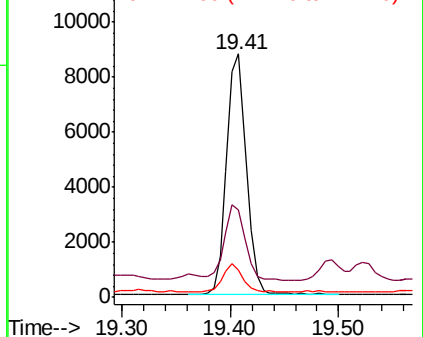
122 11.2 8.1 12.1



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: 0.474 ng

RT: 20.89 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

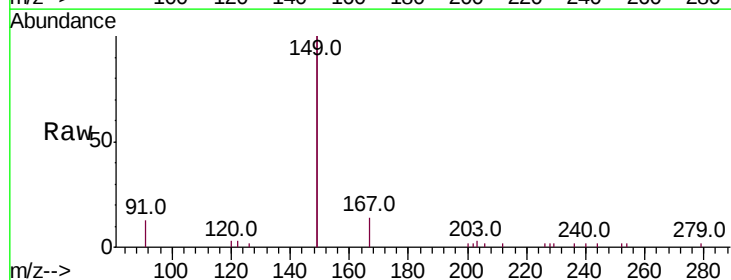
Tgt Ion:149 Resp: 13994

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

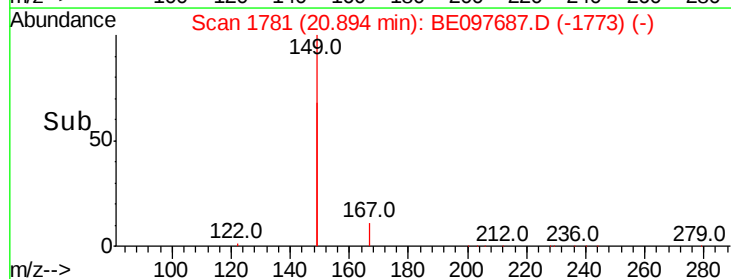
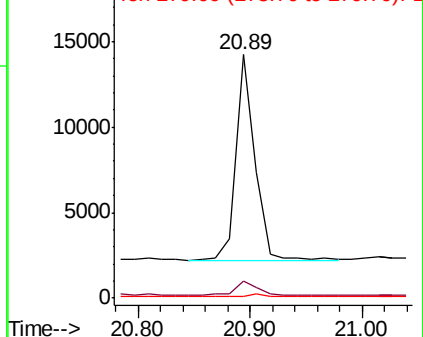
279 1.2 0.7 1.1#

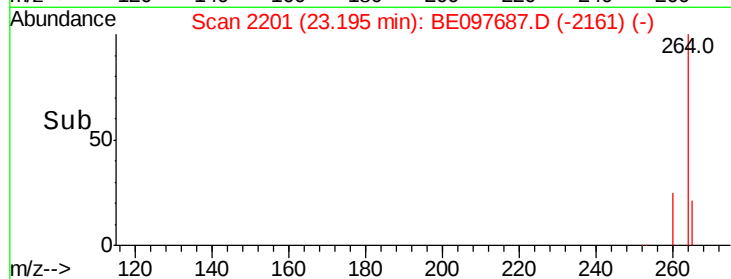
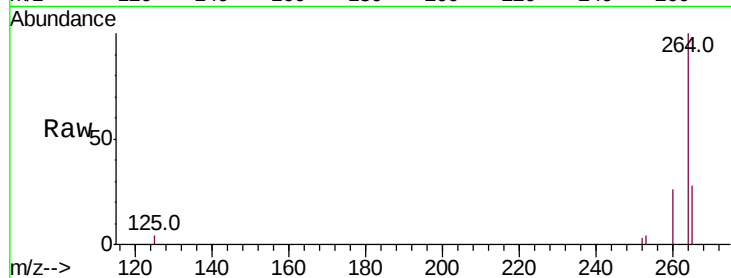
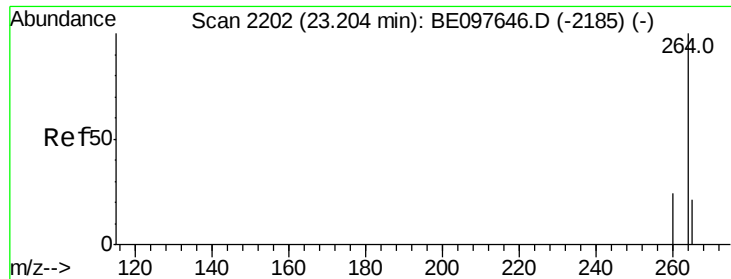


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.20 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BE097687.D

Acq: 26 Sep 2018 15:39

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 10396

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

265 27.6 22.8 34.2

