

Data File : BE097671.D
Acq On : 25 Sep 2018 23:24
Operator : SJ/JU
Sample : J5033-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4004-20180918

Quant Time: Sep 26 07:37:39 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	849	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	4570	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	3375	0.40	ng	-0.01
19) Phenanthrene-d10	16.74	188	9639	0.40	ng	-0.01
27) Chrysene-d12	20.96	240	11059	0.40	ng	-0.01
34) Perylene-d12	23.19	264	9998	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	517	0.23	ng	0.00
5) Phenol-d6	6.58	99	496	0.16	ng	-0.04
8) Nitrobenzene-d5	8.51	82	1614	0.55	ng	-0.04
11) 2-Methylnaphthalene-d10	11.70	152	2996	0.44	ng	-0.02
14) 2,4,6-Tribromophenol	15.49	330	934	0.64	ng	-0.04
15) 2-Fluorobiphenyl	12.61	172	5098	0.46	ng	-0.02
25) Fluoranthene-d10	18.79	212	48497	0.46	ng	-0.02
29) Terphenyl-d14	19.41	244	9071	0.42	ng	-0.01

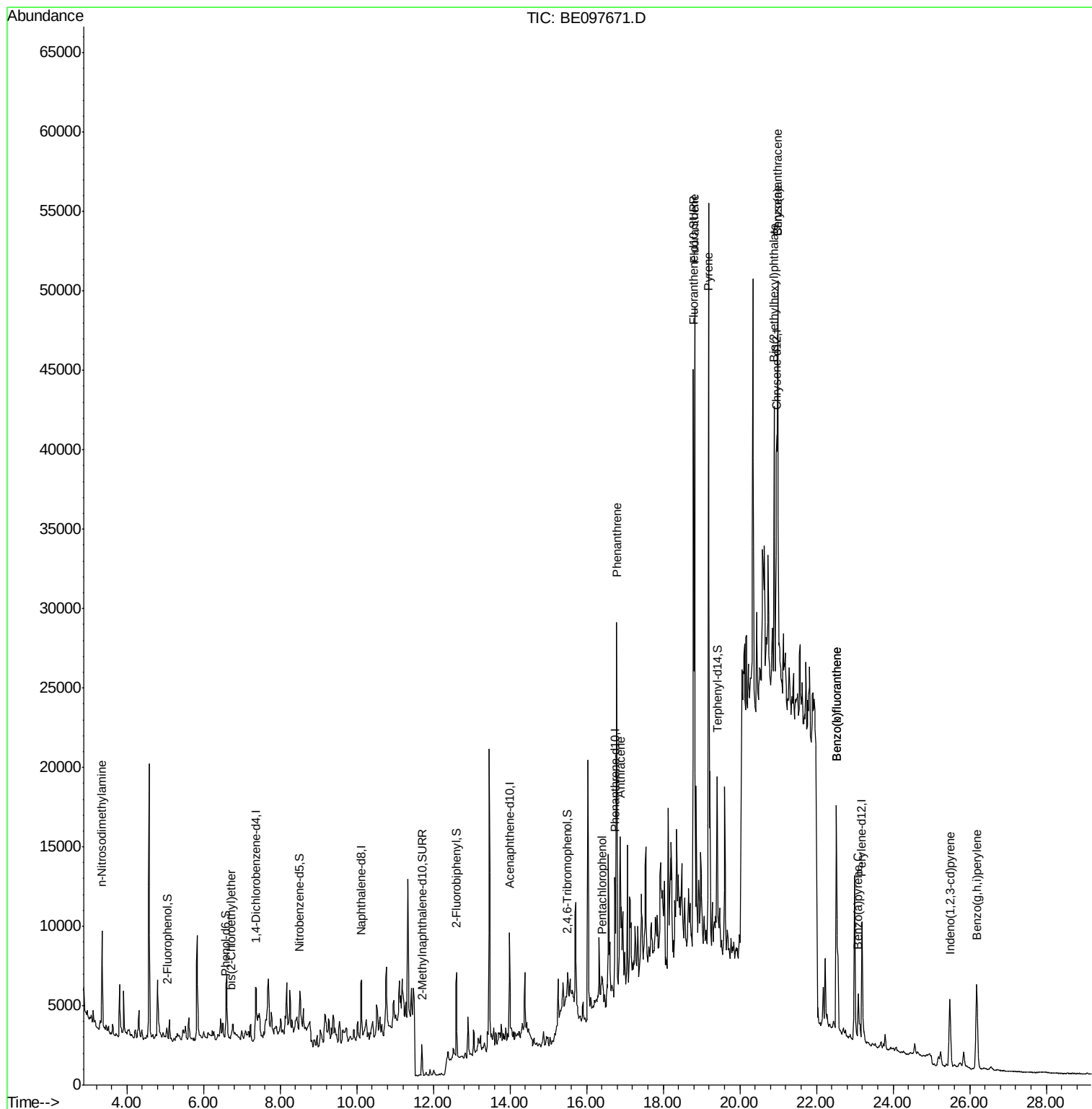
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.35	42	471	0.479	ng	# 1
6) bis(2-Chloroethyl)ether	6.72	93	563	0.247	ng	# 1
22) Pentachlorophenol	16.42	266	278	0.306	ng	# 81
23) Phenanthrene	16.79	178	23445	1.028	ng	97
24) Anthracene	16.88	178	6457	0.341	ng	# 71
26) Fluoranthene	18.82	202	37408	1.368	ng	98
28) Pyrene	19.18	202	40969	1.419	ng	97
30) Benzo(a)anthracene	20.99	228	31251	1.196	ng	# 92
31) Chrysene	20.99	228	30721	1.005	ng	# 92
32) Bis(2-ethylhexyl)phthalate	20.89	149	20763	0.696	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.48	276	7359	0.228	ng	# 91
35) Benzo(b)fluoranthene	22.52	252	20875	0.817	ng	# 94
36) Benzo(k)fluoranthene	22.52	252	20875	0.690	ng	# 87
37) Benzo(a)pyrene	23.09	252	4442	0.176	ng	# 61
39) Benzo(g,h,i)perylene	26.18	276	11723	0.444	ng	# 91

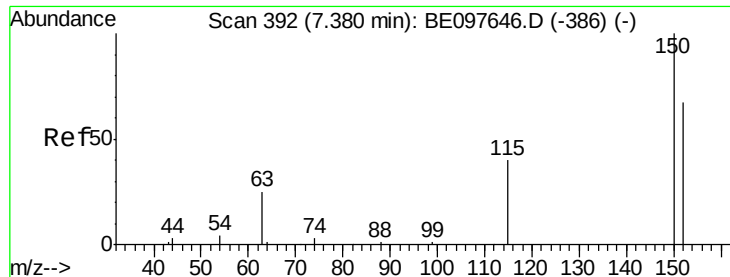
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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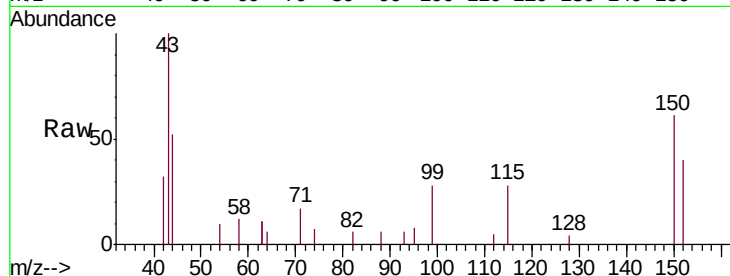


#1

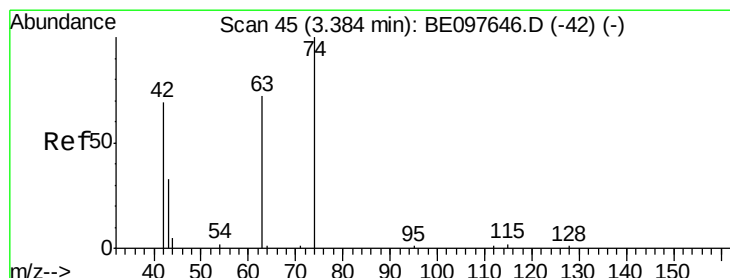
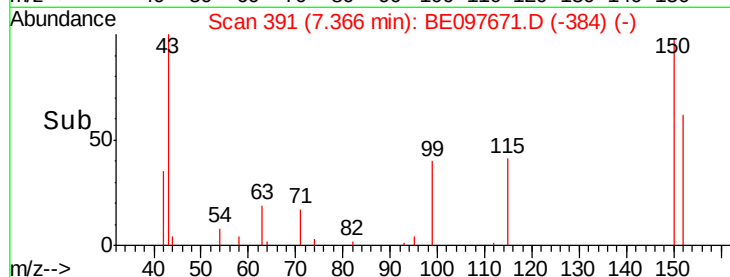
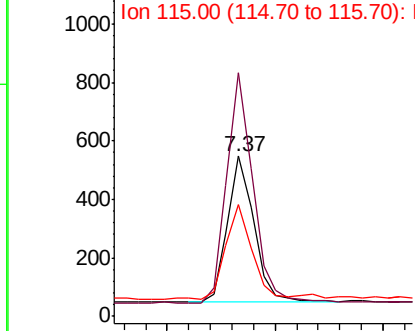
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.37 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: BE097671.D
 Acq: 25 Sep 2018 23:24

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4004-20180918

Tgt Ion: 152 Resp: 849
 Ion Ratio Lower Upper
 152 100
 150 152.3 117.2 175.8
 115 70.2 57.0 85.6



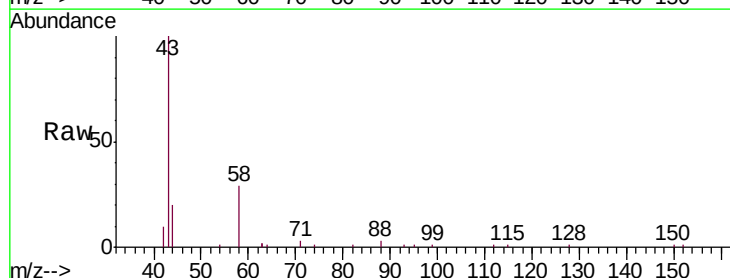
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



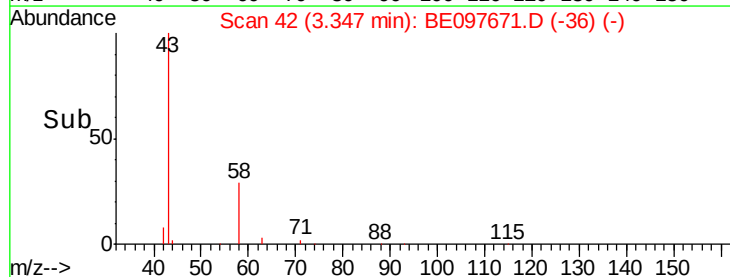
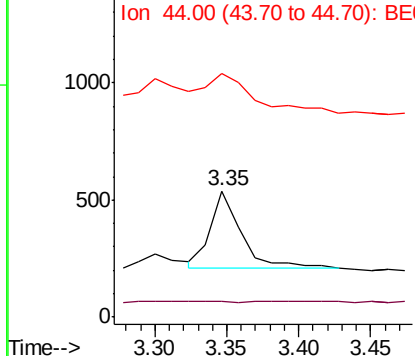
#3

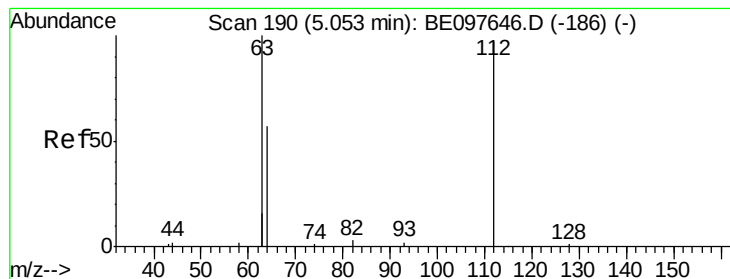
n-Nitrosodimethylamine
 Concen: 0.479 ng
 RT: 3.35 min Scan# 42
 Delta R.T. -0.04 min
 Lab File: BE097671.D
 Acq: 25 Sep 2018 23:24

Tgt Ion: 42 Resp: 471
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 84.1 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.231 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

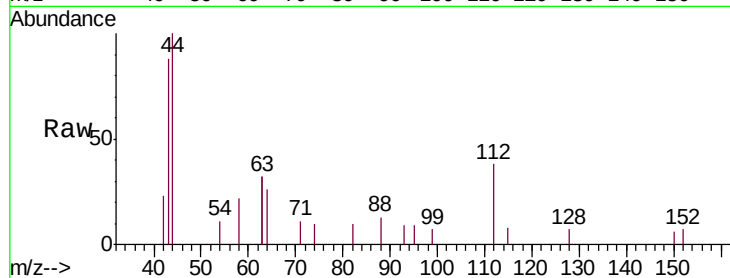
Tgt Ion: 112 Resp: 517

Ion Ratio Lower Upper

112 100

64 68.1 60.1 90.1

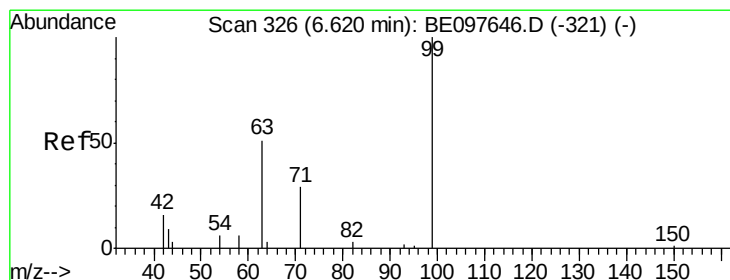
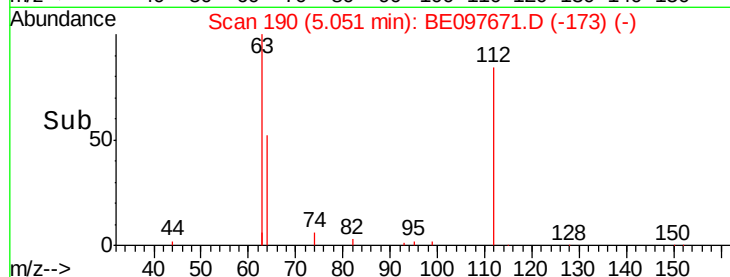
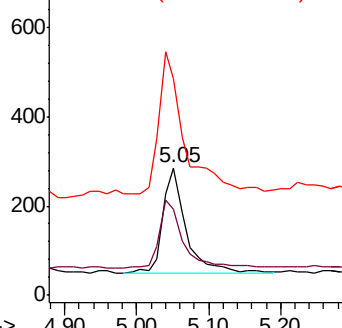
63 158.8 116.8 175.2



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: 0.157 ng

RT: 6.58 min Scan# 323

Delta R.T. -0.04 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

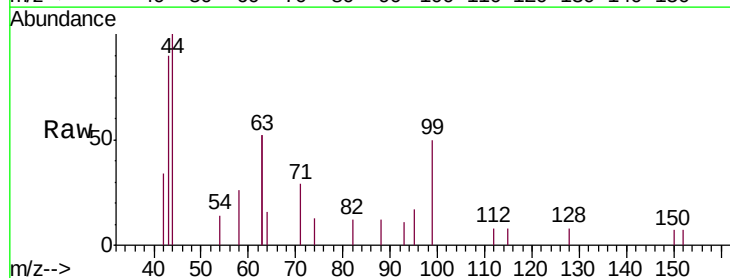
Tgt Ion: 99 Resp: 496

Ion Ratio Lower Upper

99 100

42 52.0 20.2 30.2#

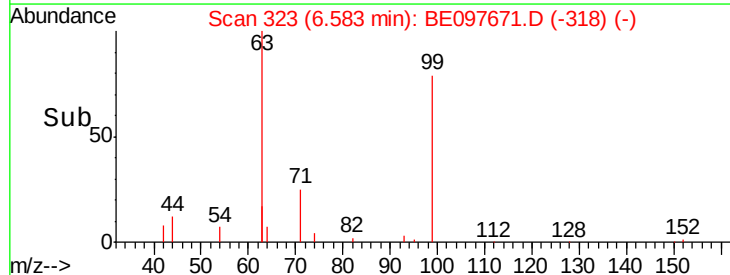
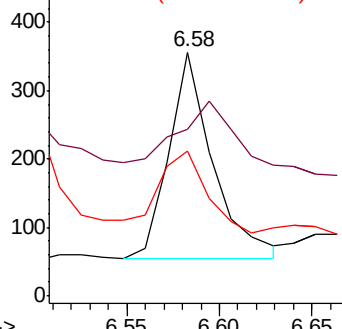
71 43.1 28.4 42.6#

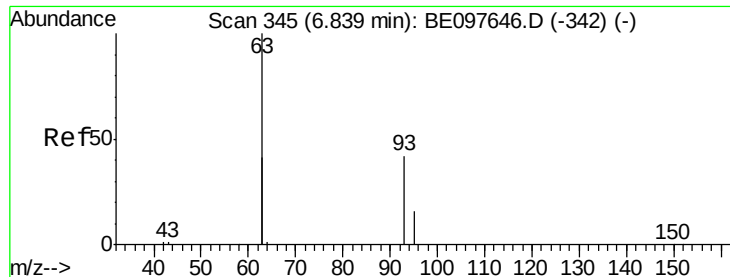


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.247 ng

RT: 6.72 min Scan# 335

Delta R.T. -0.12 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

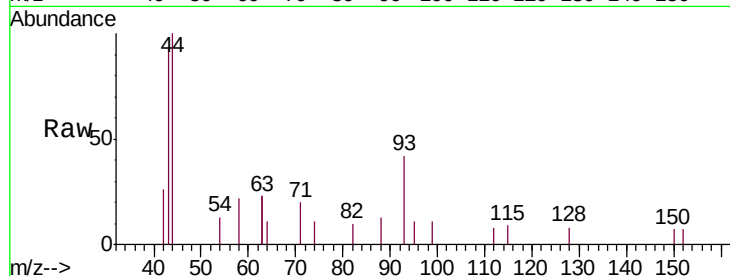
Tgt Ion: 93 Resp: 563

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

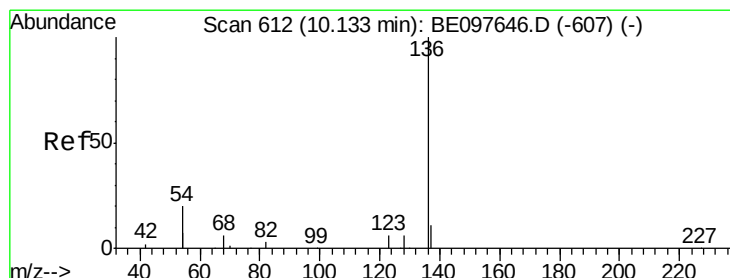
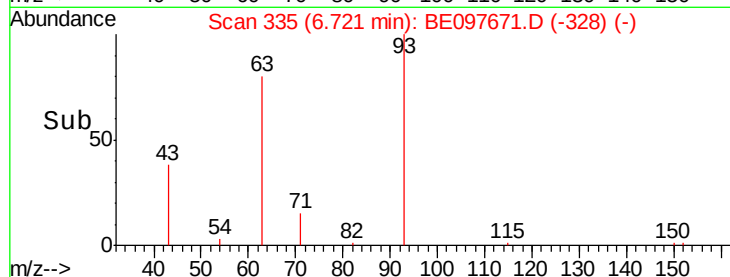
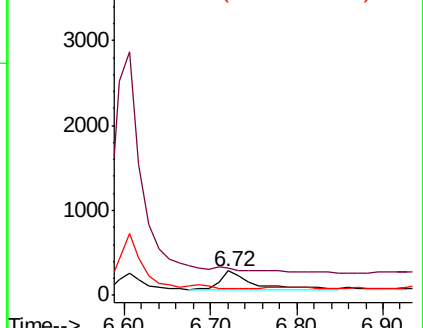
95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Tgt Ion: 136 Resp: 4570

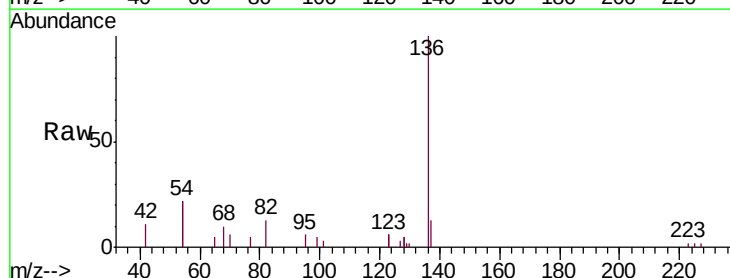
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 44.2 29.1 43.7#

68 9.9 6.2 9.2#

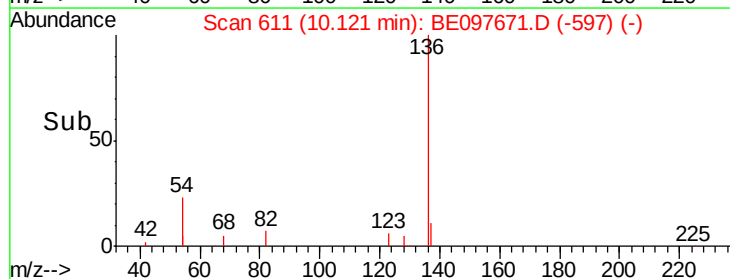
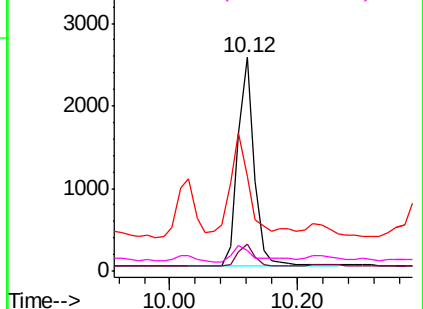


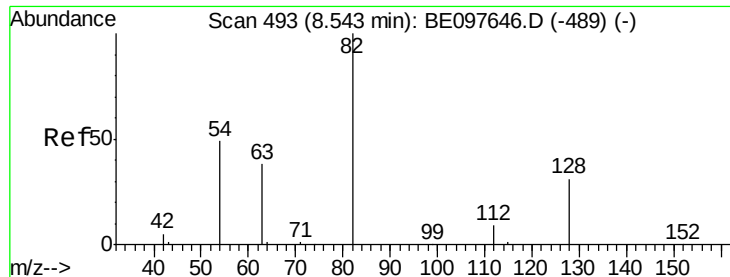
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.550 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.04 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

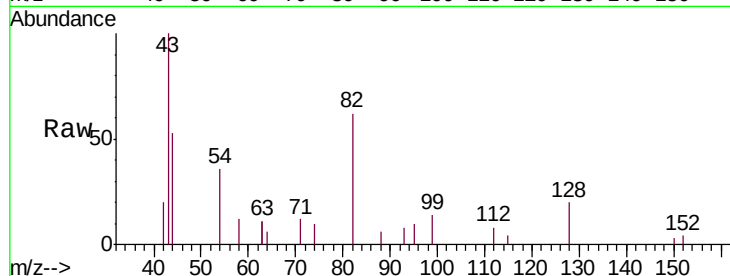
Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

Tgt Ion:	82	Resp:	1614
Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.0	36.0
54	58.6	40.0	60.0

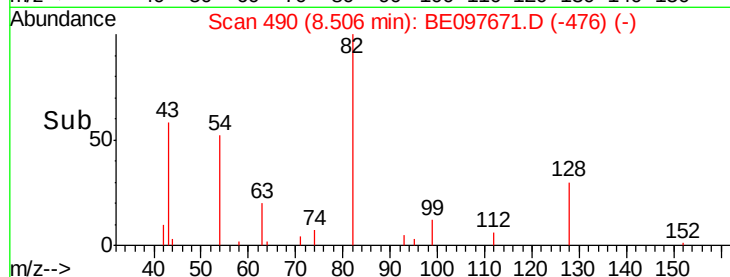


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time--> 8.30 8.40 8.50 8.60

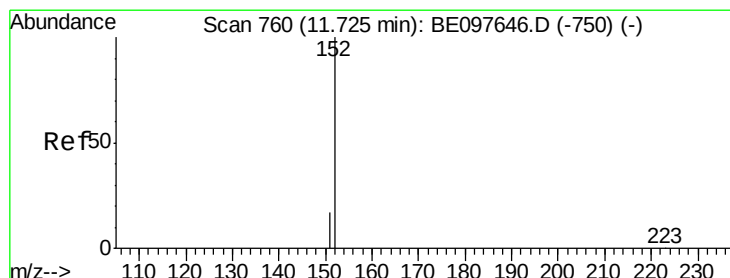


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time--> 8.30 8.40 8.50 8.60



#11

2-Methylnaphthalene-d10

Concen: 0.443 ng

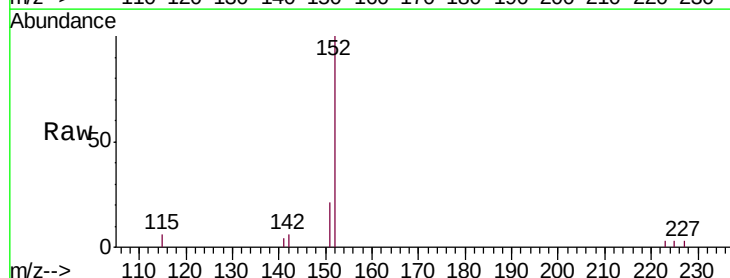
RT: 11.70 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

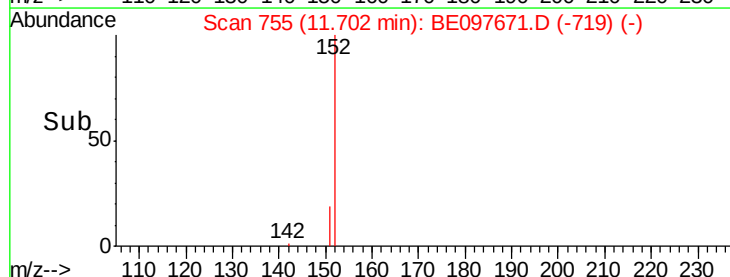
Tgt Ion:	152	Resp:	2996
Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.4	23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

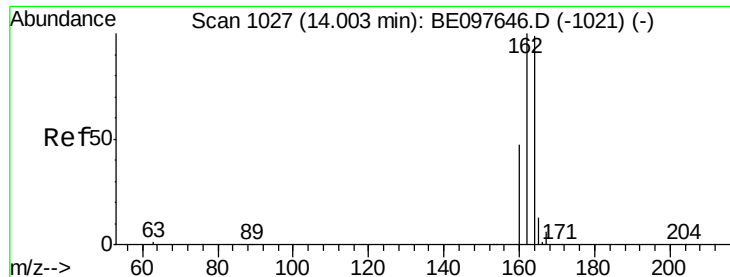
Time--> 11.60 11.70 11.80



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

Time--> 11.60 11.70 11.80



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 13.99 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE097671.D

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Instrument :

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ClientSampleId :

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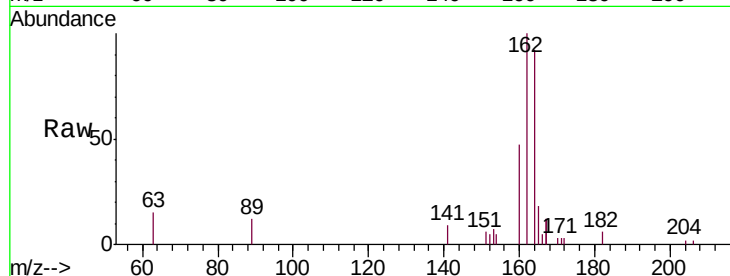
Tgt Ion:164 Resp: 3375

Ion Ratio Lower Upper

164 100

162 108.5 83.1 124.7

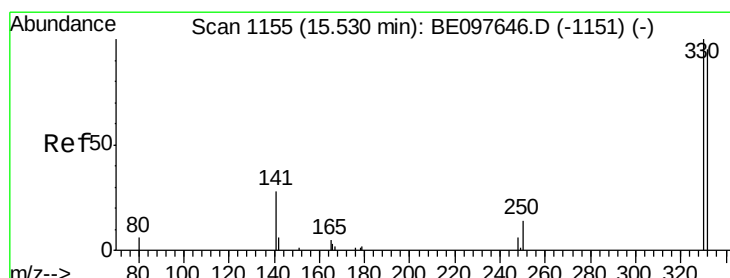
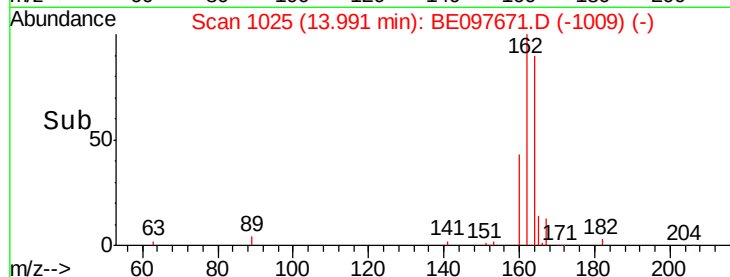
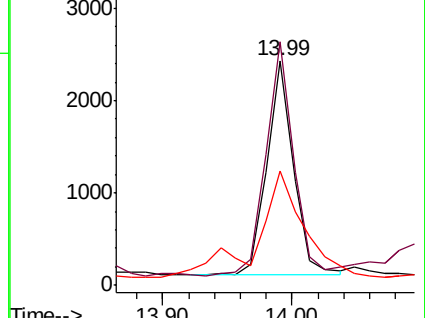
160 50.7 37.1 55.7



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: 0.637 ng

RT: 15.49 min Scan# 1151

Delta R.T. -0.04 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

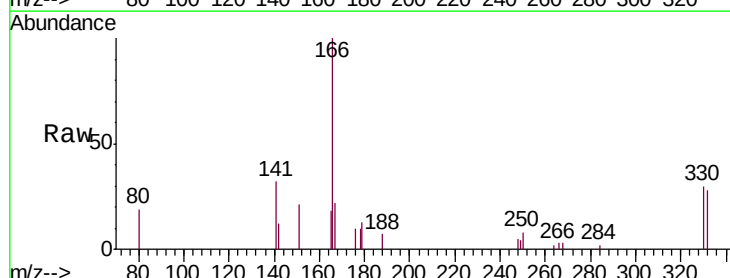
Tgt Ion:330 Resp: 934

Ion Ratio Lower Upper

330 100

332 94.8 152.7 229.1#

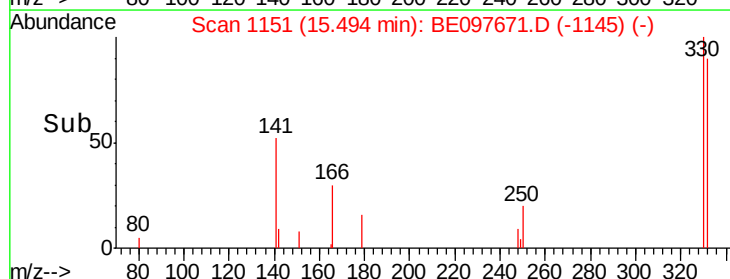
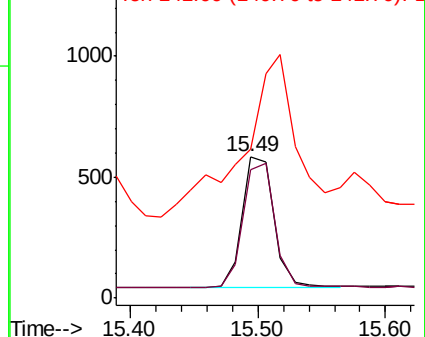
141 0.0 33.7 50.5#

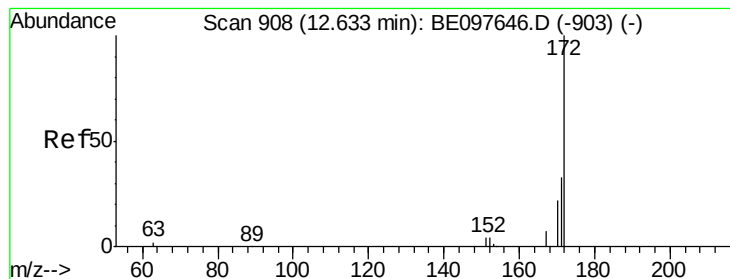


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.463 ng

RT: 12.61 min Scan# 905

Delta R.T. -0.02 min

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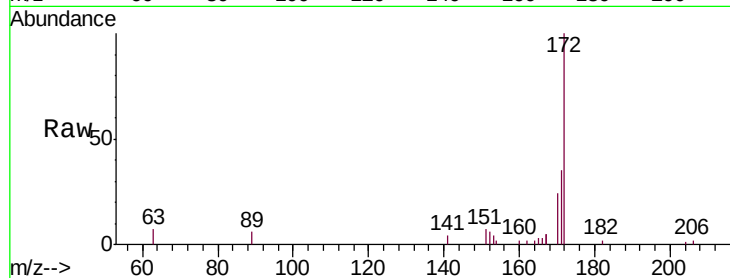
Tgt Ion:172 Resp: 5098

Ion Ratio Lower Upper

172 100

171 35.2 29.9 44.9

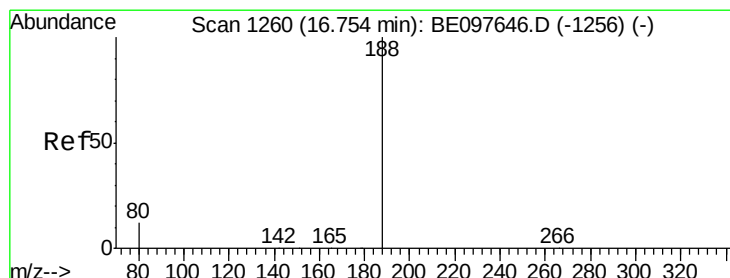
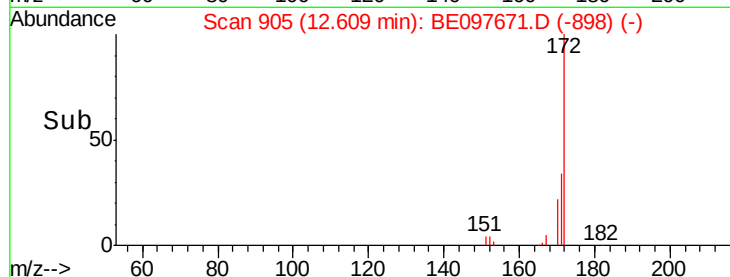
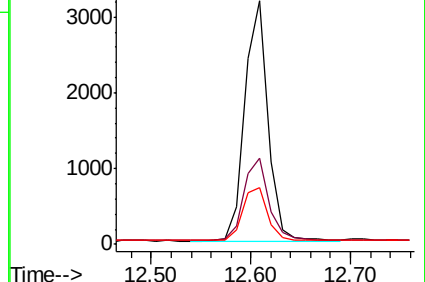
170 23.5 21.8 32.8



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.74 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

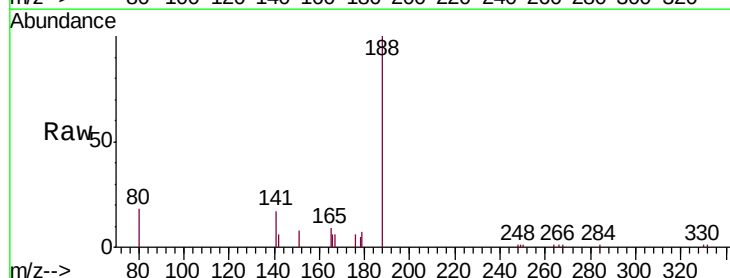
Tgt Ion:188 Resp: 9639

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

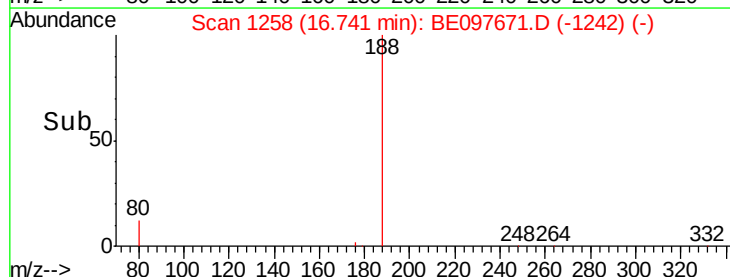
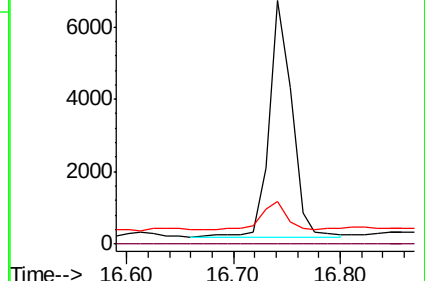
80 17.7 3.6 5.4#

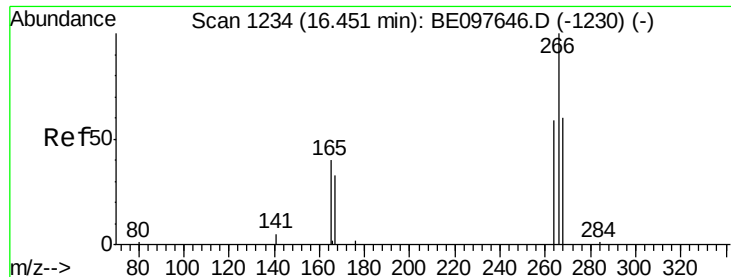


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.306 ng

RT: 16.42 min Scan# 1230

Delta R.T. -0.04 min

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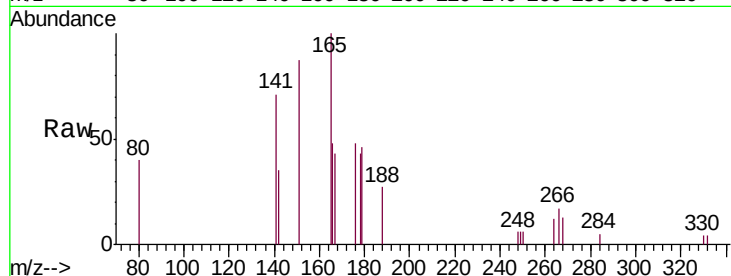
Tgt Ion:266 Resp: 278

Ion Ratio Lower Upper

266 100

264 71.7 72.5 108.7#

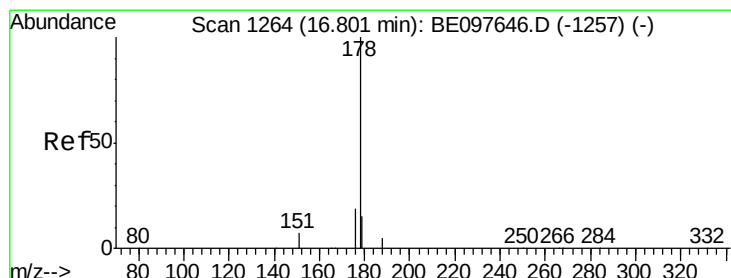
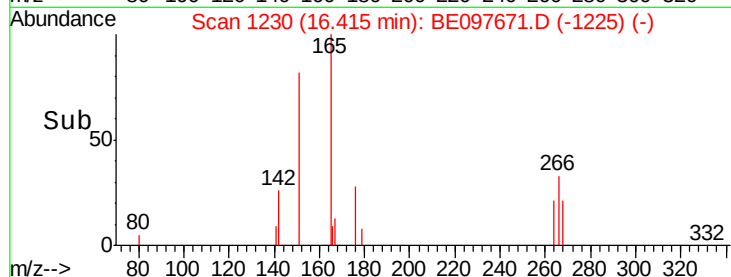
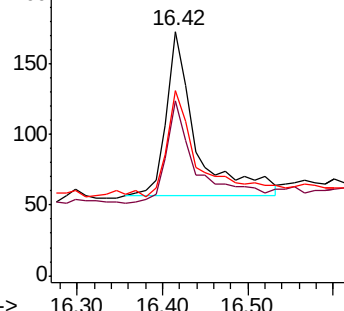
268 75.7 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 1.028 ng

RT: 16.79 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

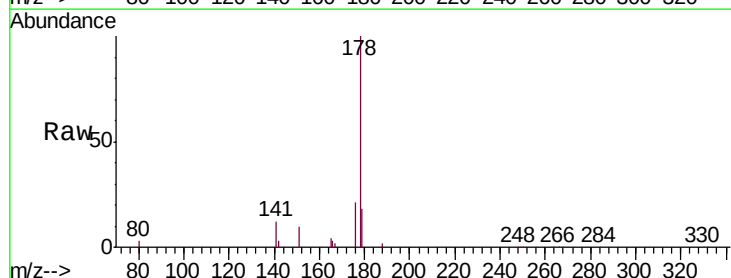
Tgt Ion:178 Resp: 23445

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

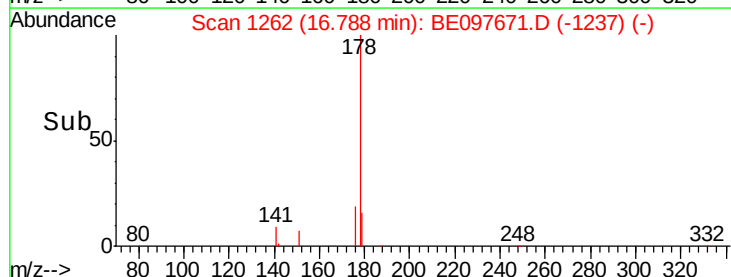
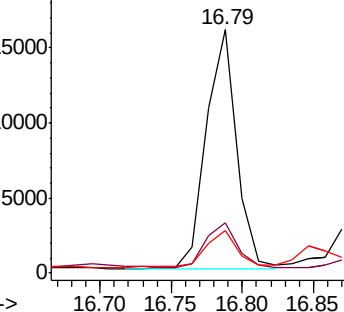
179 16.2 11.8 17.6

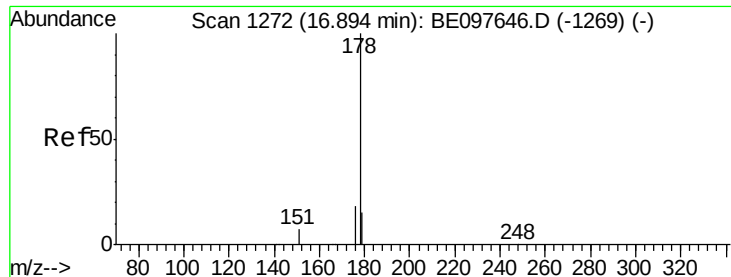


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.341 ng

RT: 16.88 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

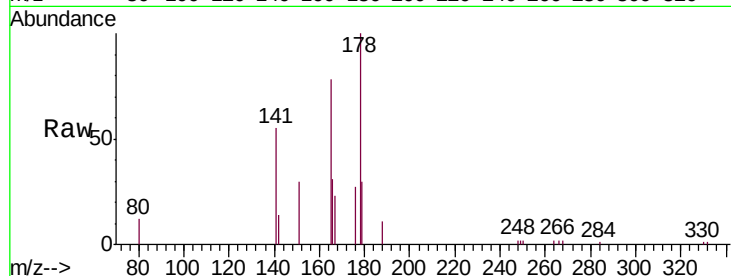
Tgt Ion:178 Resp: 6457

Ion Ratio Lower Upper

178 100

176 23.9 12.8 19.2#

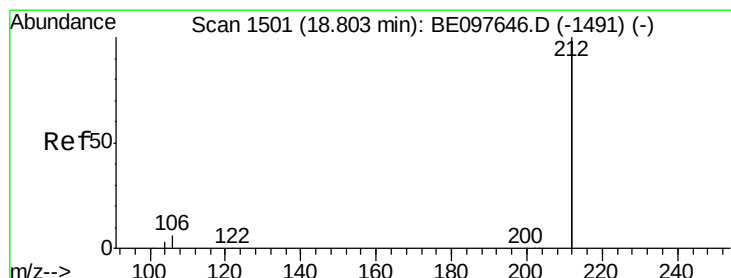
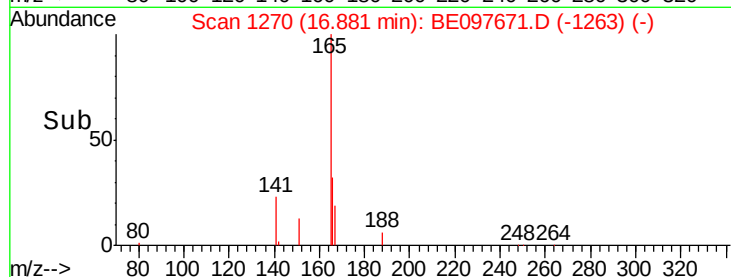
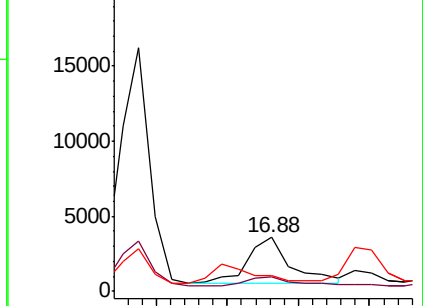
179 0.0 13.0 19.6#



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: 0.461 ng

RT: 18.79 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

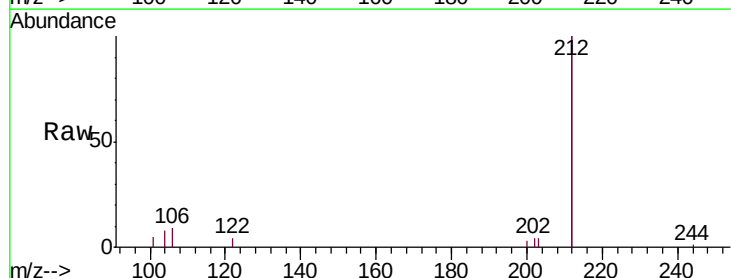
Tgt Ion:212 Resp: 48497

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

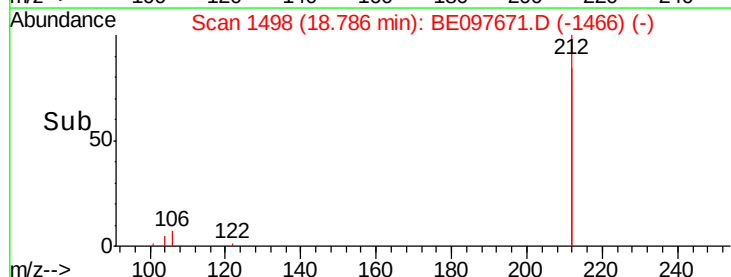
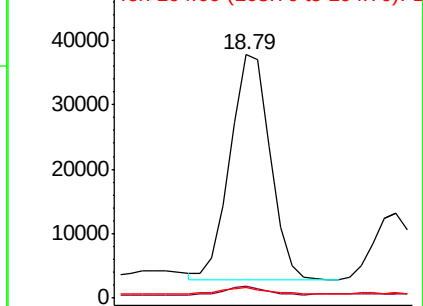
104 3.1 1.6 2.4#

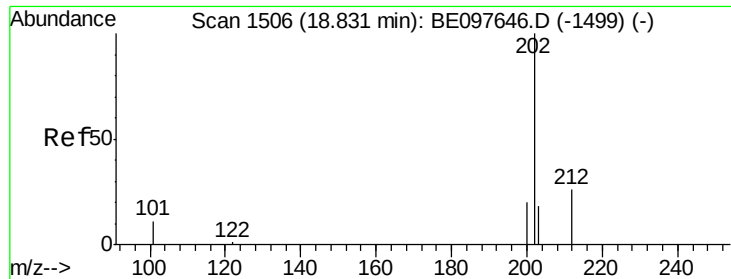


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

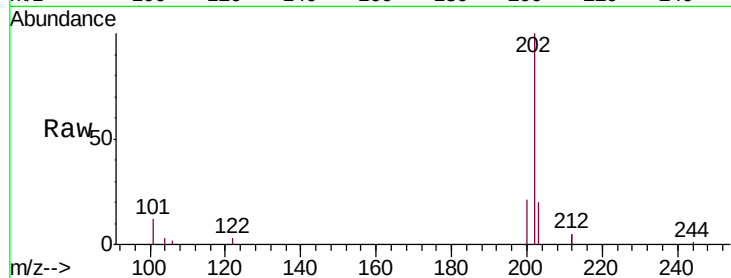




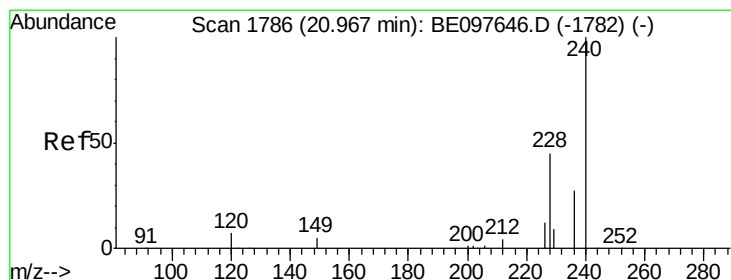
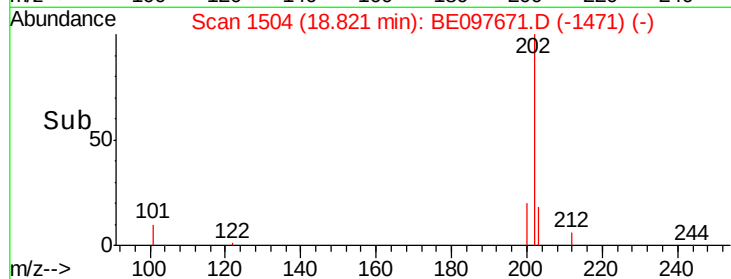
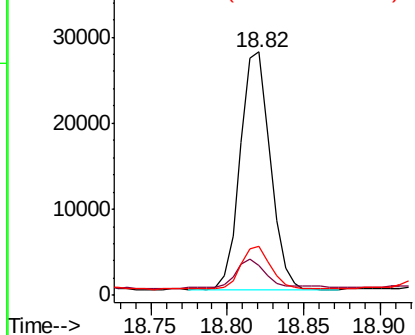
#26
Fluoranthene
Concen: 1.368 ng
RT: 18.82 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097671.D
Acq: 25 Sep 2018 23:24

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4004-20180918

Tgt Ion: 202 Resp: 37408
Ion Ratio Lower Upper
202 100
101 13.1 9.8 14.8
203 17.6 13.7 20.5

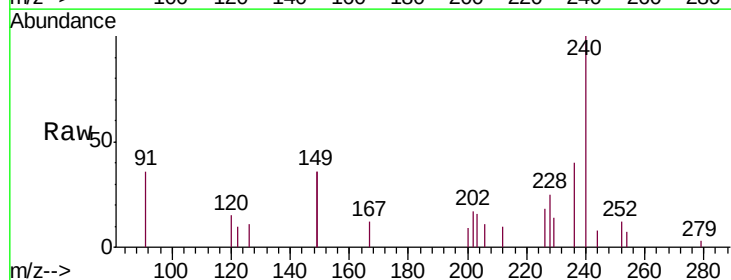


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

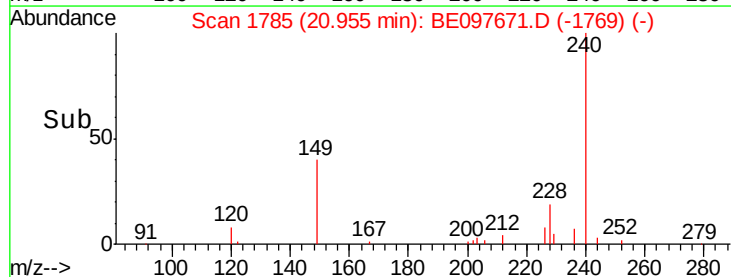
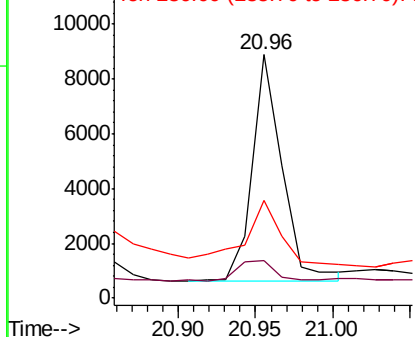


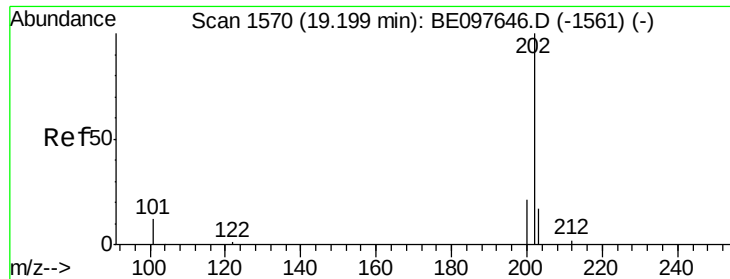
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.96 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BE097671.D
Acq: 25 Sep 2018 23:24

Tgt Ion: 240 Resp: 11059
Ion Ratio Lower Upper
240 100
120 15.2 5.5 8.3#
236 40.0 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: 1.419 ng

RT: 19.18 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

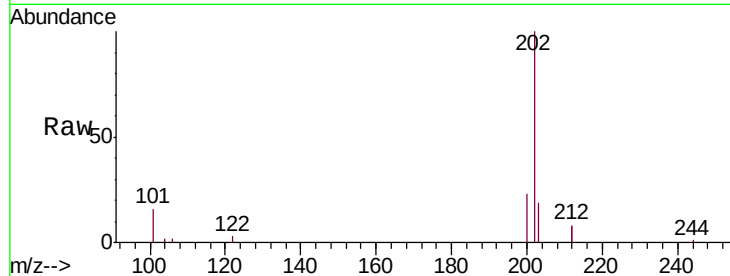
Tgt Ion:202 Resp: 40969

Ion Ratio Lower Upper

202 100

200 21.9 16.6 25.0

203 19.3 13.8 20.8

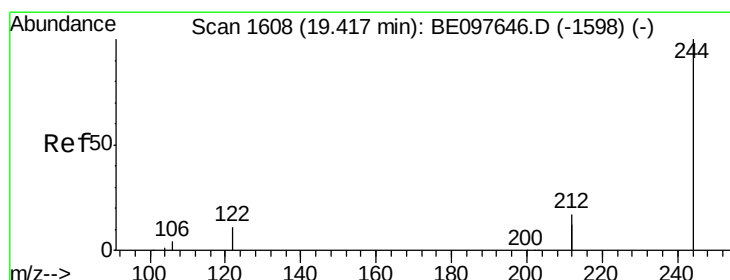
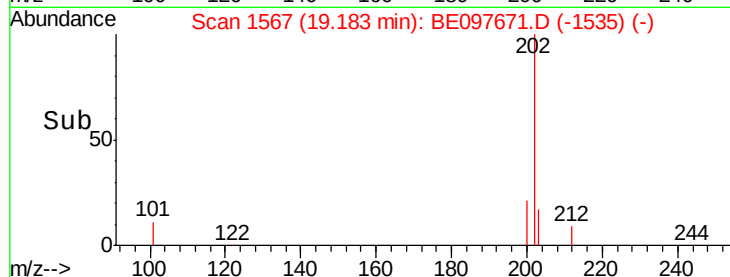
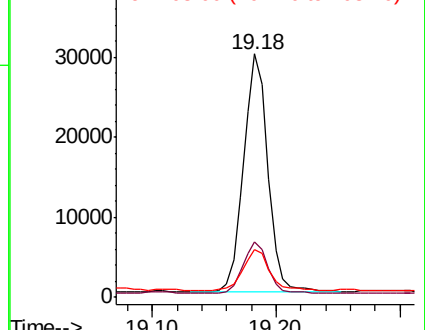


Abundance

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: 0.417 ng

RT: 19.41 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

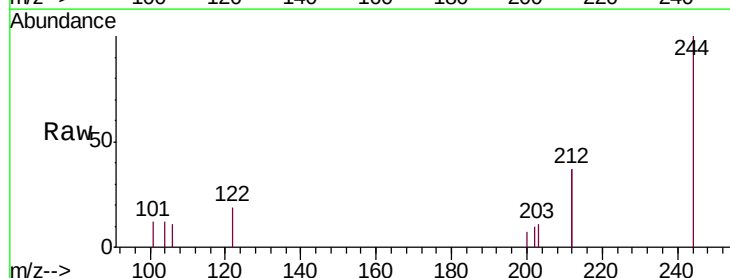
Tgt Ion:244 Resp: 9071

Ion Ratio Lower Upper

244 100

212 73.7 25.4 38.0#

122 18.9 8.1 12.1#

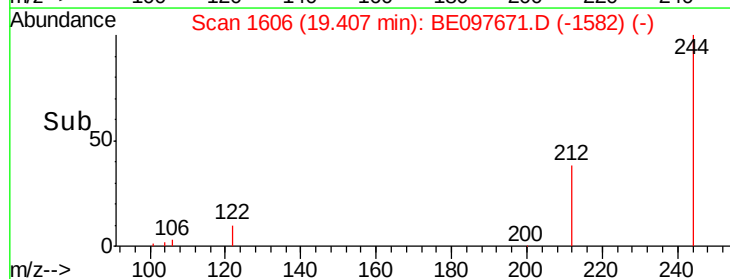
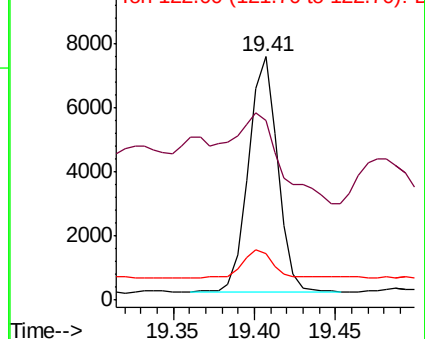


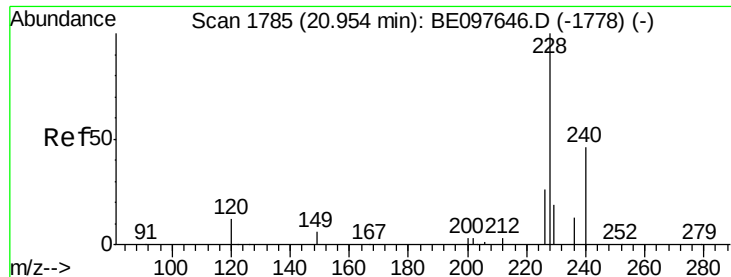
Abundance

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: 1.196 ng

RT: 20.99 min Scan# 1788

Delta R.T. 0.04 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

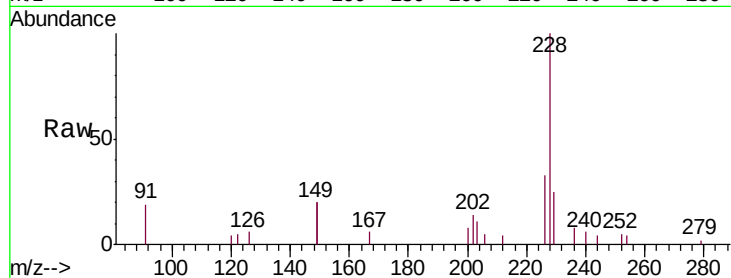
Tgt Ion:228 Resp: 31251

Ion Ratio Lower Upper

228 100

226 33.2 24.0 36.0

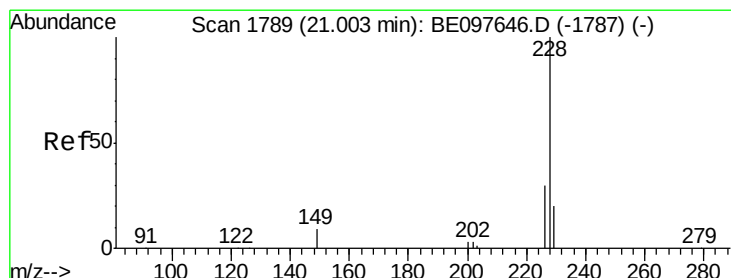
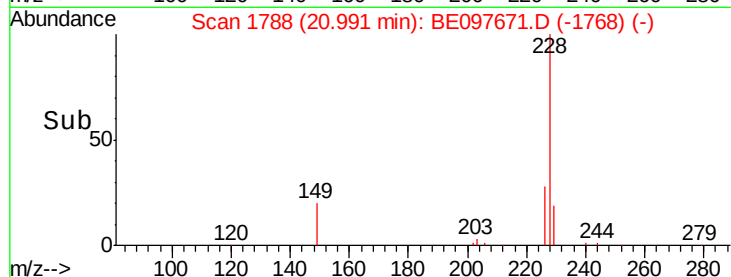
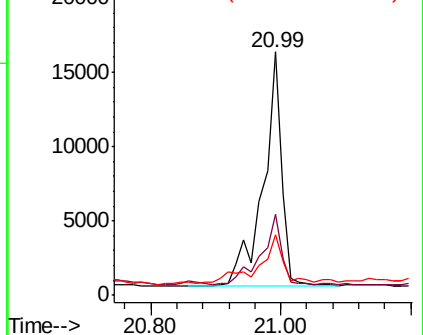
229 25.1 16.0 24.0#



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: 1.005 ng

RT: 20.99 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

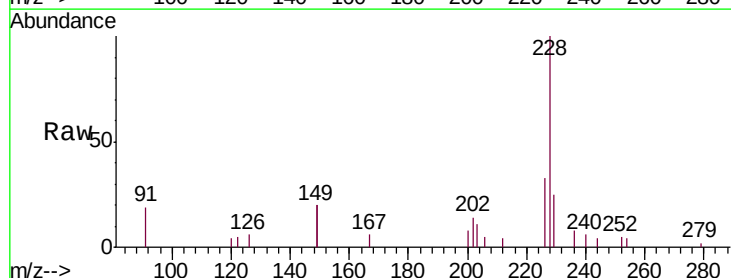
Tgt Ion:228 Resp: 30721

Ion Ratio Lower Upper

228 100

226 33.2 24.0 36.0

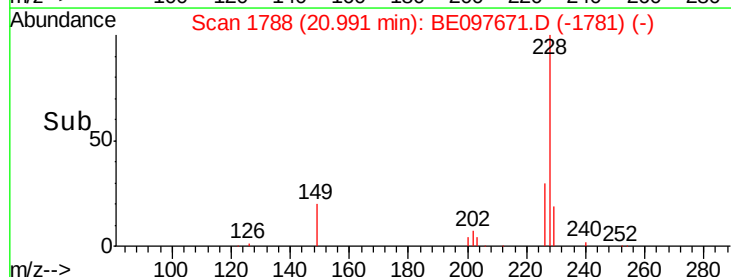
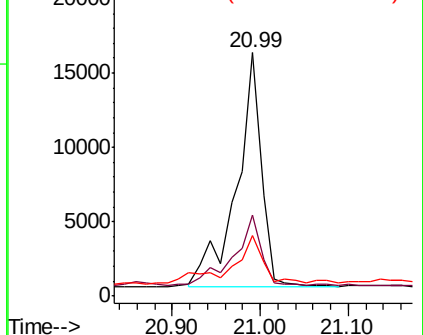
229 25.1 16.0 24.0#

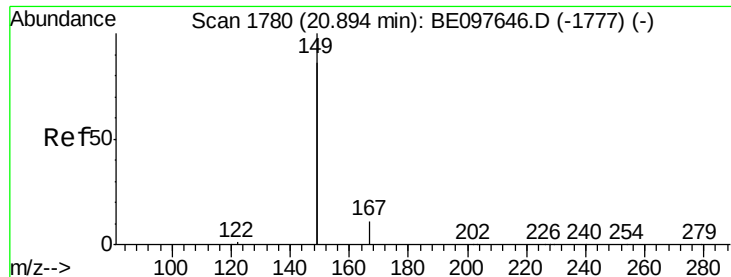


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

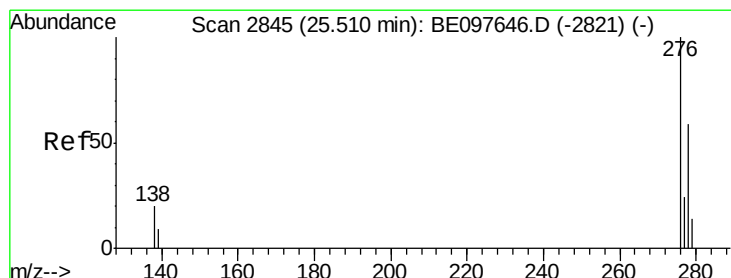
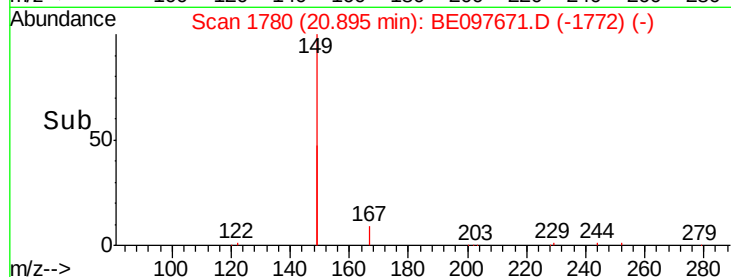
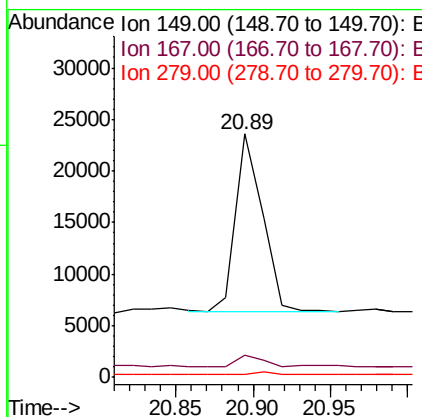
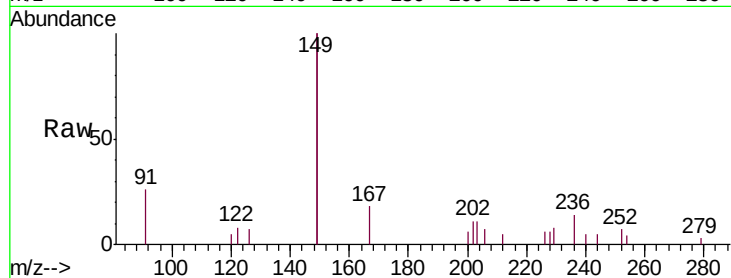




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.696 ng
 RT: 20.89 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BE097671.D
 Acq: 25 Sep 2018 23:24

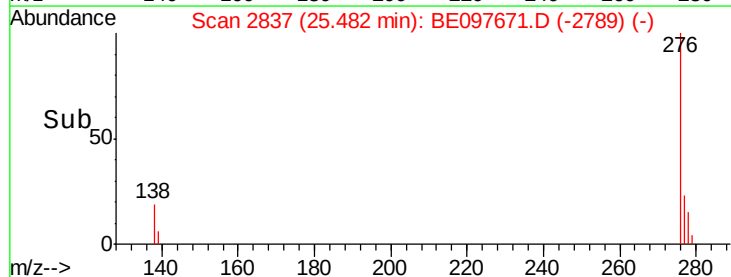
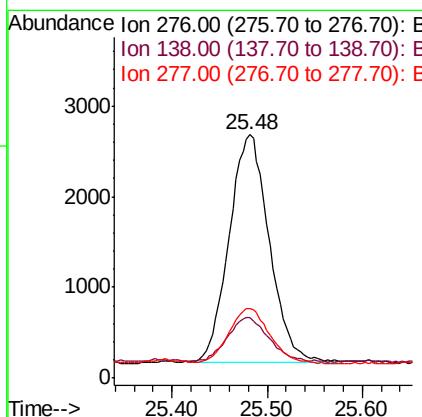
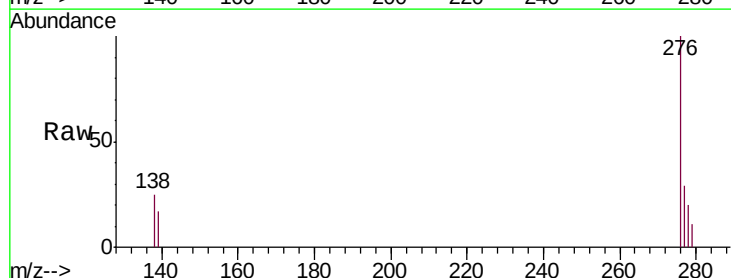
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4004-20180918

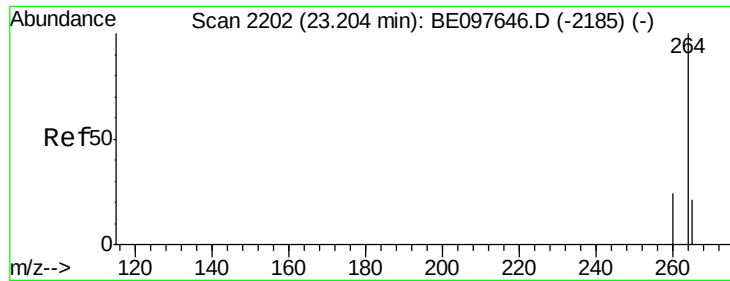
Tgt Ion:149 Resp: 20763
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.4 8.0
 279 1.5 0.7 1.1#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.228 ng
 RT: 25.48 min Scan# 2837
 Delta R.T. -0.03 min
 Lab File: BE097671.D
 Acq: 25 Sep 2018 23:24

Tgt Ion:276 Resp: 7359
 Ion Ratio Lower Upper
 276 100
 138 19.8 22.5 33.7#
 277 25.4 19.9 29.9

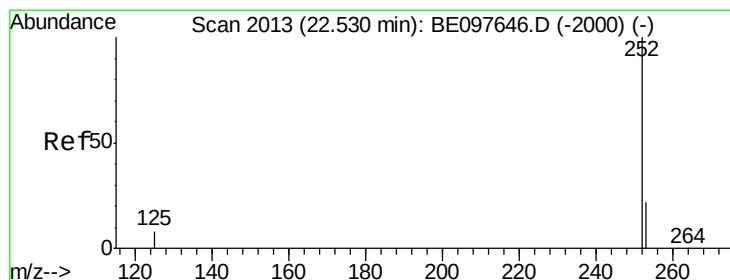
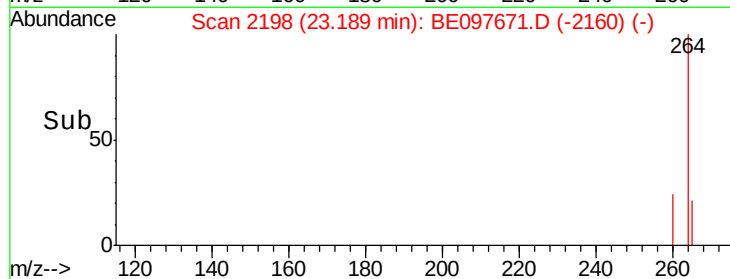
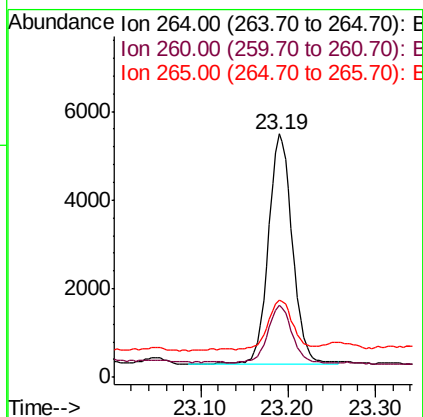
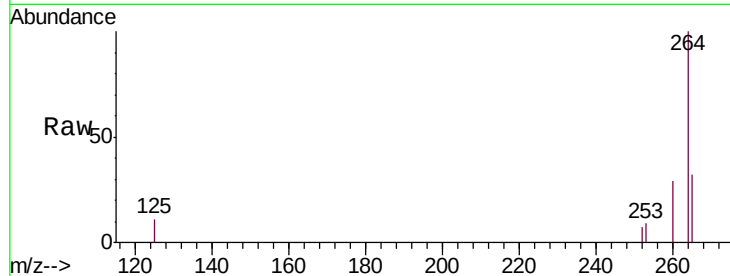




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.19 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BE097671.D
 Acq: 25 Sep 2018 23:24

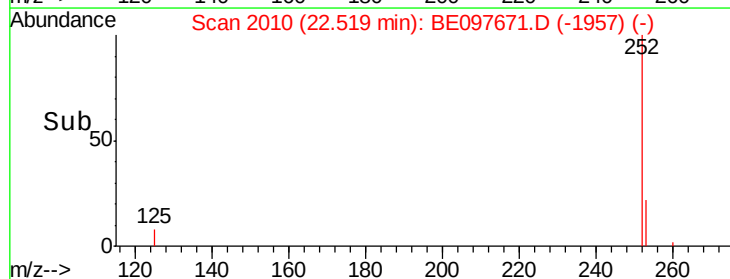
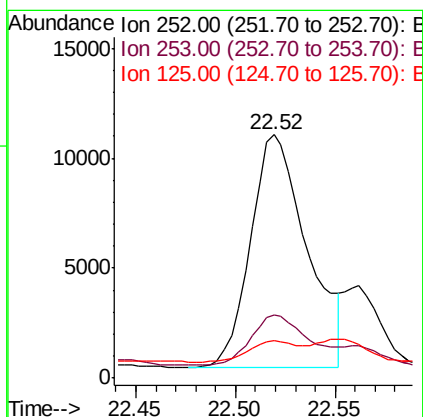
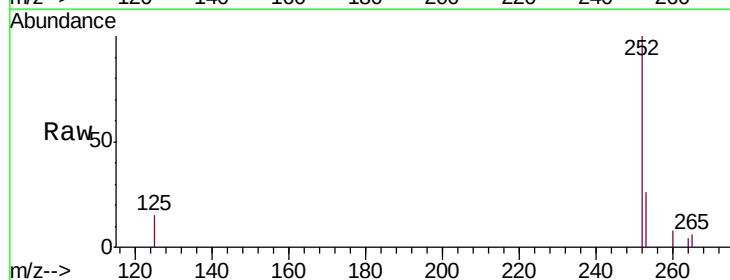
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4004-20180918

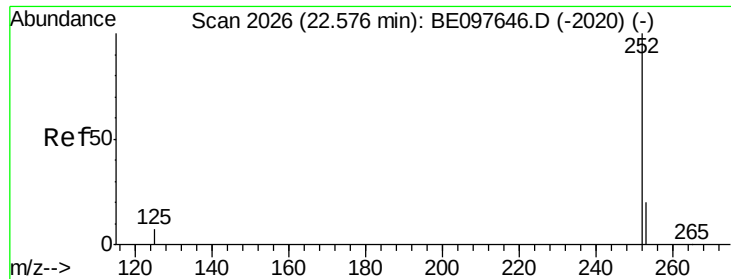
Tgt Ion: 264 Resp: 9998
 Ion Ratio Lower Upper
 264 100
 260 29.3 20.5 30.7
 265 31.9 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.817 ng
 RT: 22.52 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BE097671.D
 Acq: 25 Sep 2018 23:24

Tgt Ion: 252 Resp: 20875
 Ion Ratio Lower Upper
 252 100
 253 26.0 20.0 30.0
 125 15.3 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.690 ng

RT: 22.52 min Scan# 2010

Delta R.T. -0.06 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918

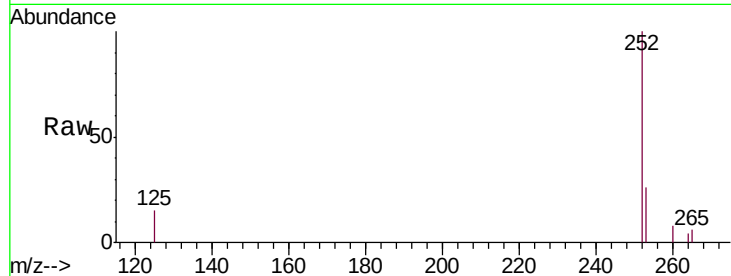
Tgt Ion:252 Resp: 20875

Ion Ratio Lower Upper

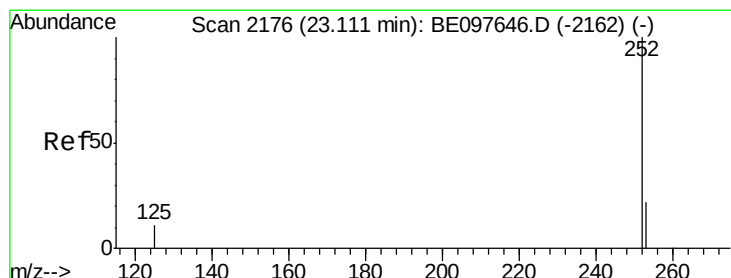
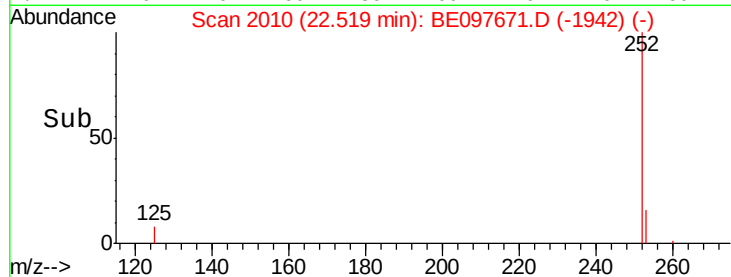
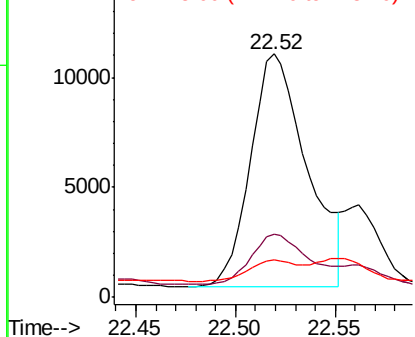
252 100

253 26.0 16.0 24.0#

125 15.3 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.176 ng

RT: 23.09 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BE097671.D

Acq: 25 Sep 2018 23:24

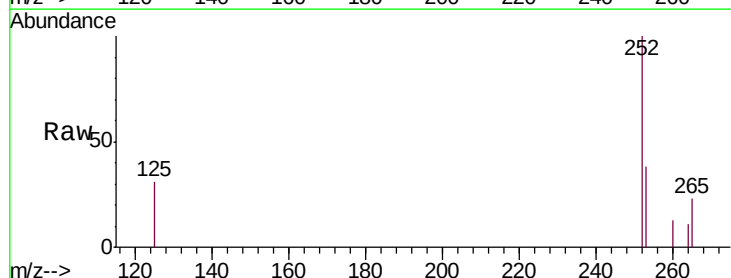
Tgt Ion:252 Resp: 4442

Ion Ratio Lower Upper

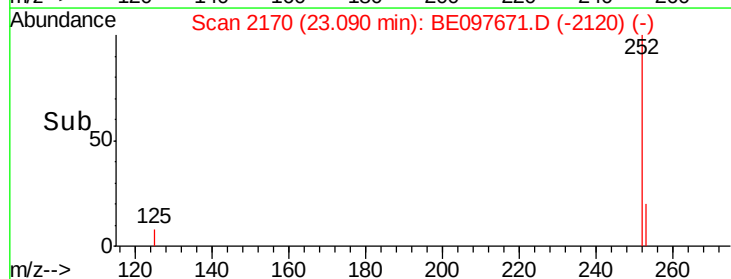
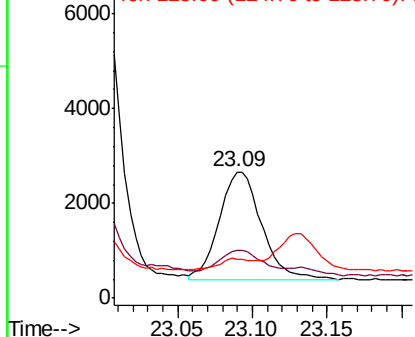
252 100

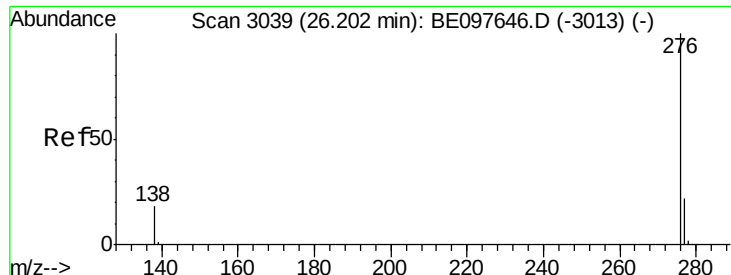
253 38.3 16.0 24.0#

125 31.2 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





#39

Benzo(g,h,i)perylene

Concen: 0.444 ng

RT: 26.18 min Scan# 3034

Delta R.T. -0.02 min

Lab File: BE097671.D

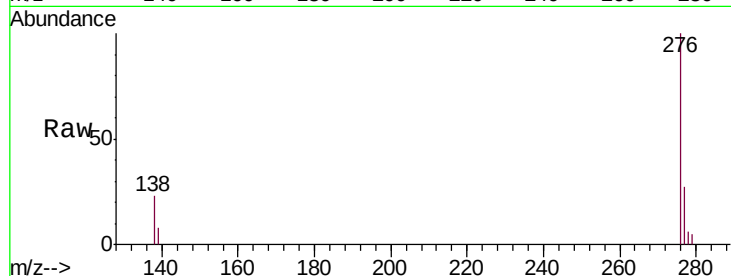
Acq: 25 Sep 2018 23:24

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4004-20180918



Tgt Ion: 276 Resp: 11723

Ion Ratio Lower Upper

276 100

277 26.7 16.0 24.0#

138 22.7 20.0 30.0

