

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
 Data File : BE097723.D
 Acq On : 4 Oct 2018 12:19
 Operator : SJ/JU
 Sample : J4870-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

Quant Time: Oct 05 06:49:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	16652	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	17608	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	10412	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	28897	0.40	ng	0.00
27) Chrysene-d12	21.50	240	39275	0.40	ng	0.01
34) Perylene-d12	24.05	264	36451	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1647062	41.81	ng	0.00
5) Phenol-d6	7.05	99	2488633	41.21	ng	0.00
8) Nitrobenzene-d5	9.04	82	1231603	215.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	28	0.00	ng	0.00
14) 2,4,6-Tribromophenol	16.04	330	657499	348.41	ng	0.00
15) 2-Fluorobiphenyl	13.19	172	3251994	70.94	ng	0.00
25) Fluoranthene-d10	19.33	212	811	0.00	ng	0.00
29) Terphenyl-d14	19.94	244	7662359	95.55	ng	0.00

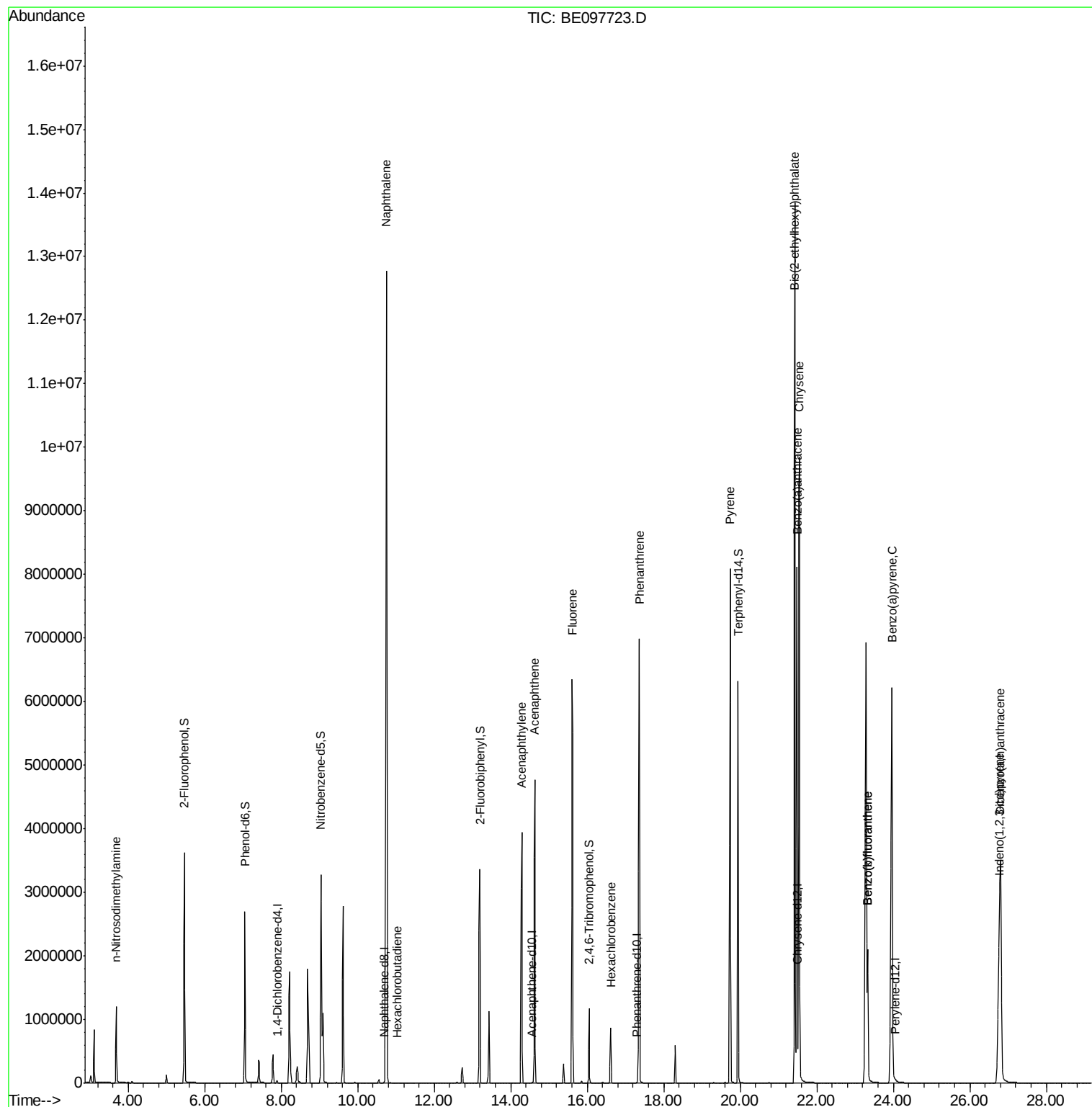
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.69	42	631640	20.926	ng	# 83
9) Naphthalene	10.74	128	22610991	127.420	ng	99
10) Hexachlorobutadiene	11.04	225	1900	0.202	ng	96
16) Acenaphthylene	14.28	152	4689178	101.695	ng	96
17) Acenaphthene	14.63	154	2632812	89.150	ng	96
18) Fluorene	15.60	166	4997562	127.432	ng	100
21) Hexachlorobenzene	16.61	284	788454	46.238	ng	99
23) Phenanthrene	17.36	178	8648658	116.142	ng	# 90
28) Pyrene	19.73	202	7866338	78.820	ng	# 90
30) Benzo(a)anthracene	21.49	228	9239171	87.500	ng	# 83
31) Chrysene	21.55	228	9929989	84.124	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.43	149	17187218	222.533	ng	99
33) Indeno(1,2,3-cd)pyrene	26.76	276	5456010	53.218	ng	94
35) Benzo(b)fluoranthene	23.33	252	2513513	25.125	ng	98
36) Benzo(k)fluoranthene	23.33	252	2610577	23.539	ng	98
37) Benzo(a)pyrene	23.96	252	13538250	149.487	ng	# 91
38) Dibenzo(a,h)anthracene	26.80	278	6607522	74.072	ng	97

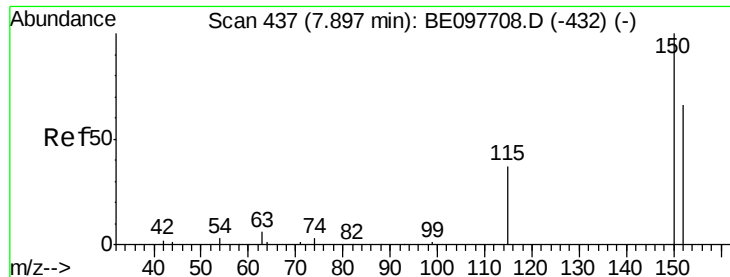
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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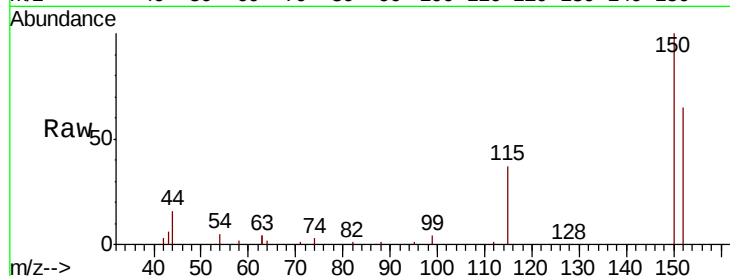


#1

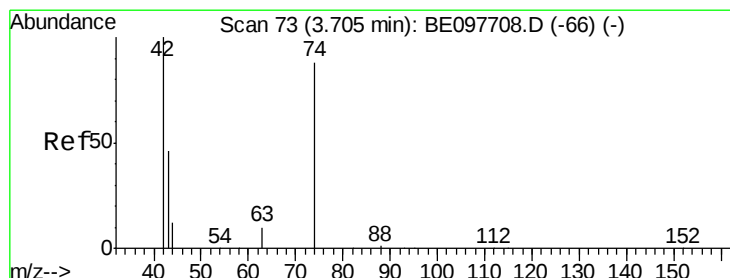
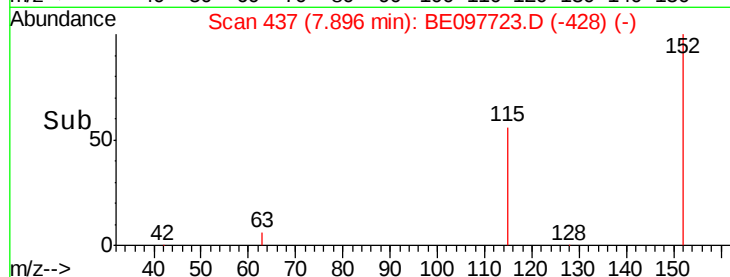
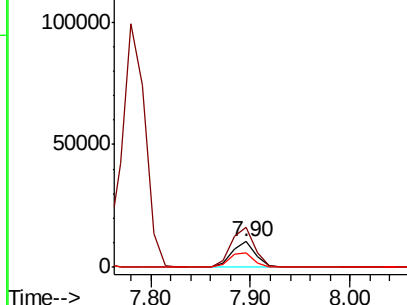
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

Tgt Ion:152 Resp: 16652
Ion Ratio Lower Upper
152 100
150 154.8 120.9 181.3
115 57.4 46.6 69.8



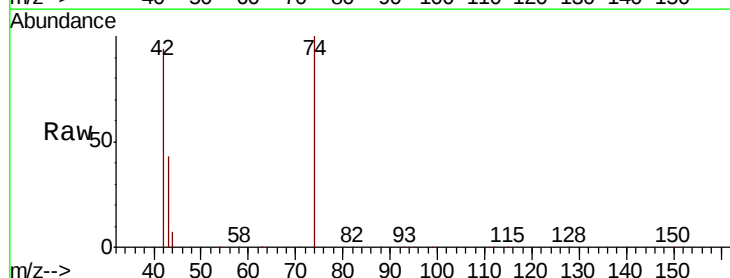
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



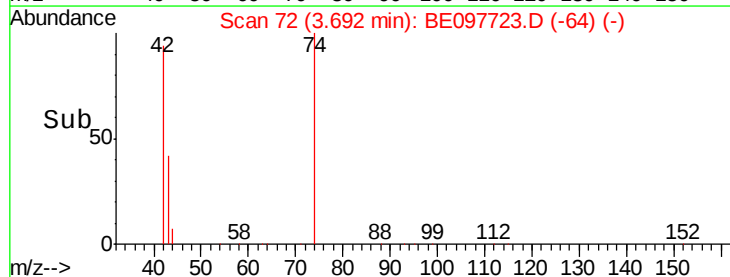
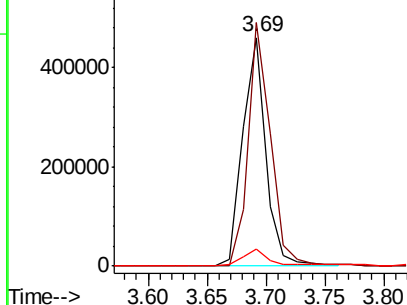
#3

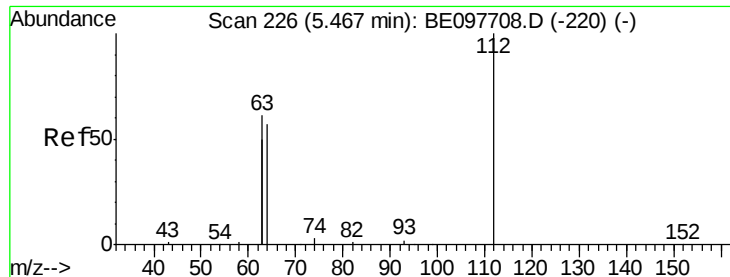
n-Nitrosodimethylamine
Concen: 20.926 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion: 42 Resp: 631640
Ion Ratio Lower Upper
42 100
74 102.6 70.7 106.1
44 6.9 15.0 22.4#



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: 41.809 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

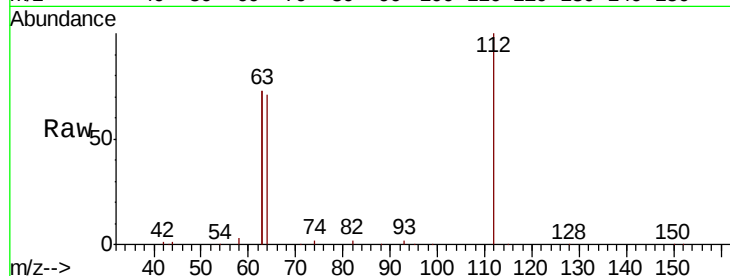
Tgt Ion: 112 Resp: 1647062

Ion Ratio Lower Upper

112 100

64 71.2 56.6 84.8

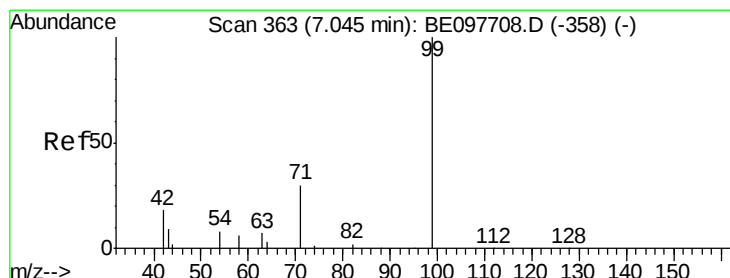
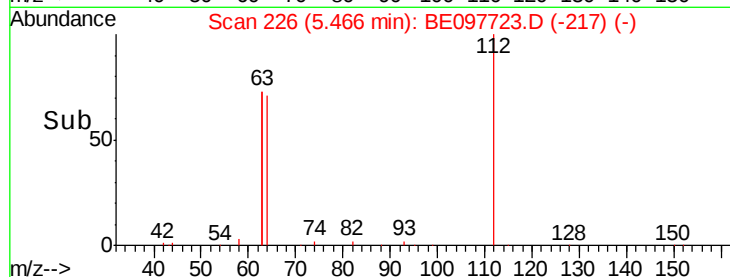
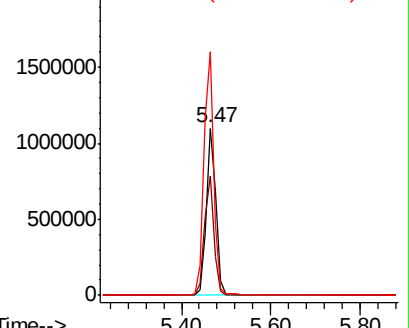
63 149.0 119.4 179.0



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: 41.214 ng

RT: 7.05 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

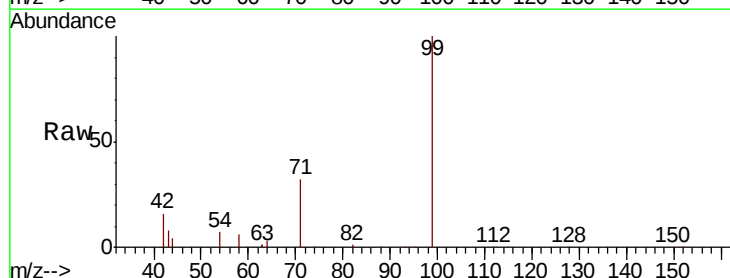
Tgt Ion: 99 Resp: 2488633

Ion Ratio Lower Upper

99 100

42 24.7 19.9 29.9

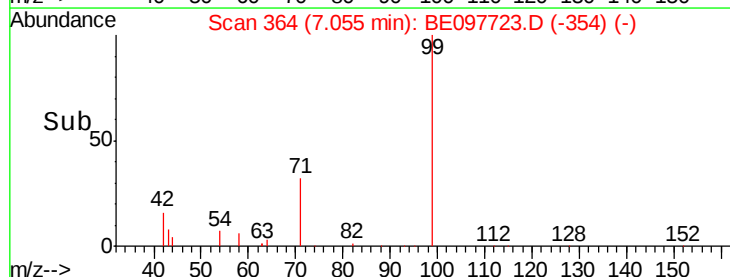
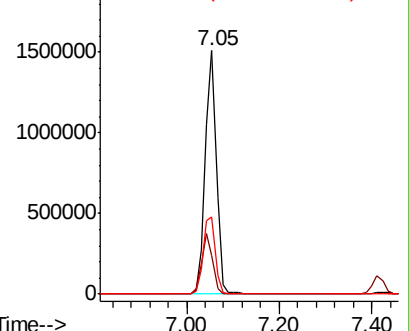
71 35.1 25.4 38.2

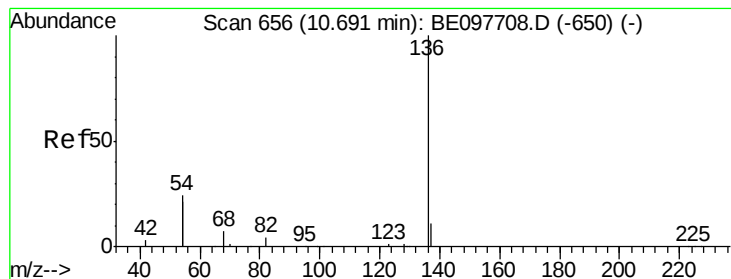


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

Tgt Ion: 136 Resp: 17608

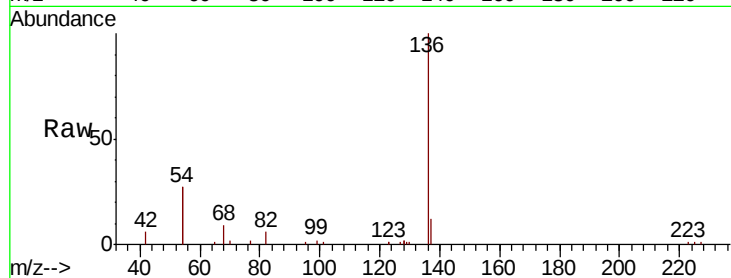
Ion Ratio Lower Upper

136 100

137 12.1 9.0 13.4

54 54.6 37.8 56.6

68 9.4 6.4 9.6



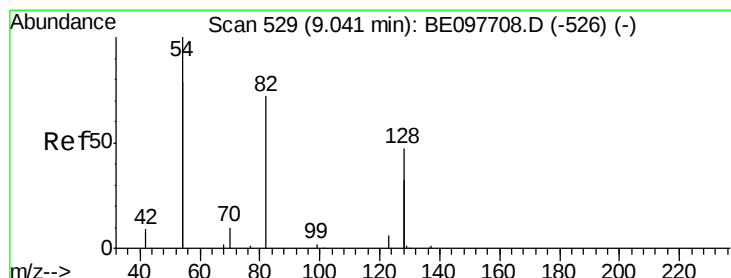
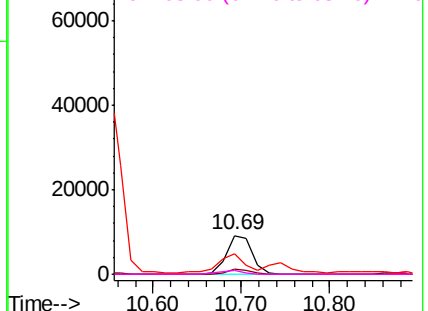
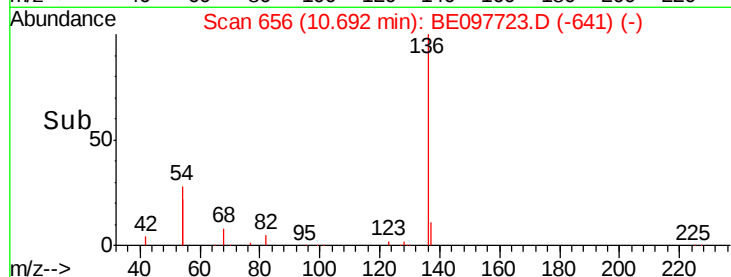
Abundance

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: 215.442 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

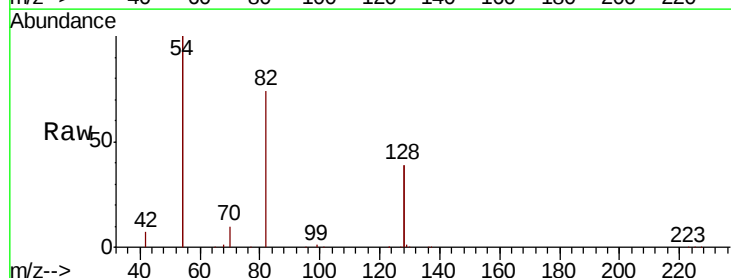
Tgt Ion: 82 Resp: 1231603

Ion Ratio Lower Upper

82 100

128 104.2 97.0 145.4

54 268.9 206.9 310.3

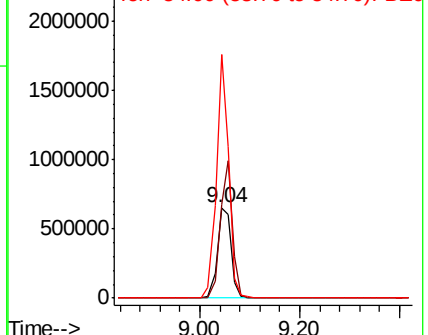
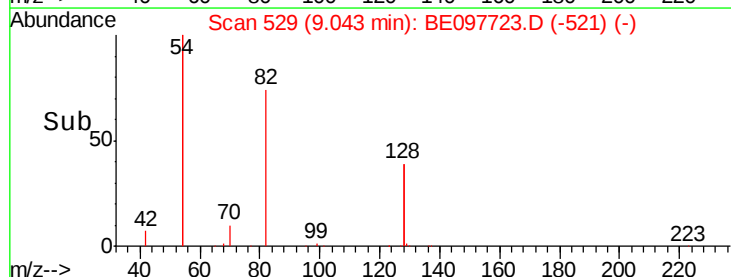


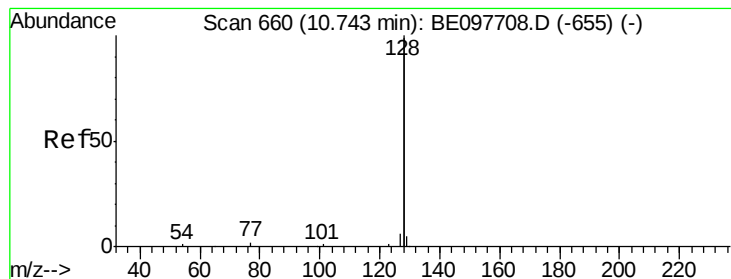
Abundance

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: 127.420 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

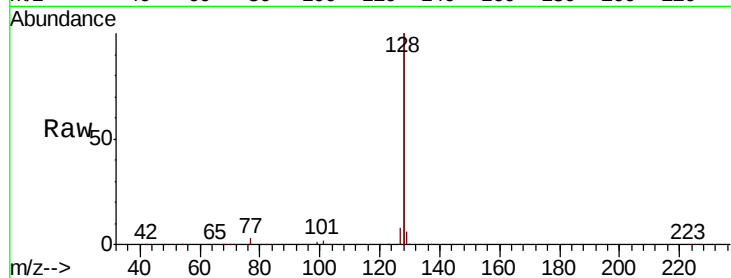
Tgt Ion:128 Resp:22610991

Ion Ratio Lower Upper

128 100

129 3.1 2.2 3.2

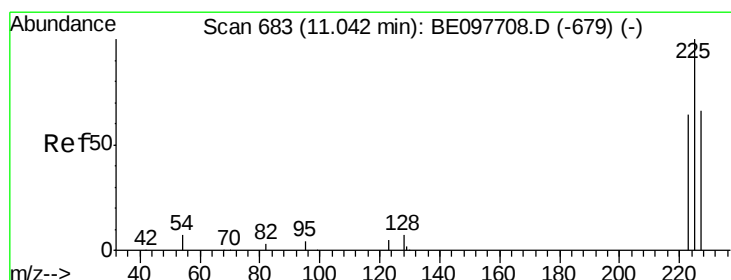
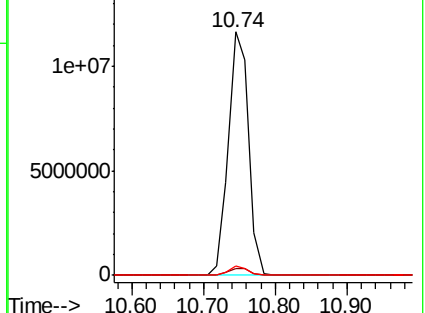
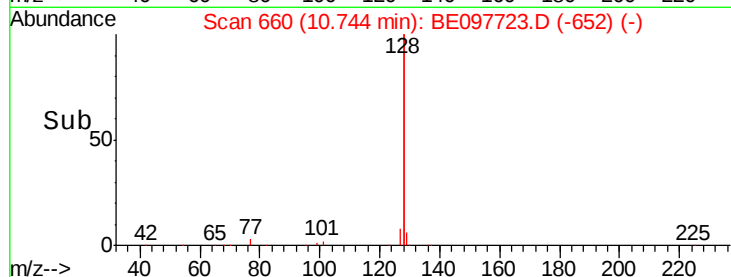
127 3.8 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.202 ng

RT: 11.04 min Scan# 683

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

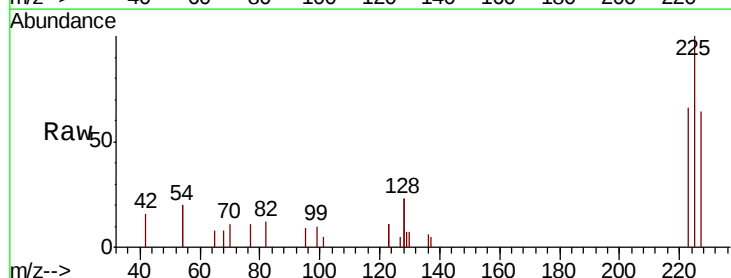
Tgt Ion:225 Resp: 1900

Ion Ratio Lower Upper

225 100

223 61.2 52.2 78.4

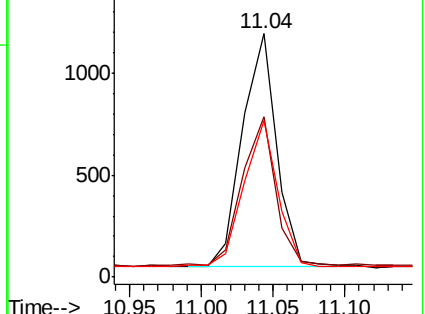
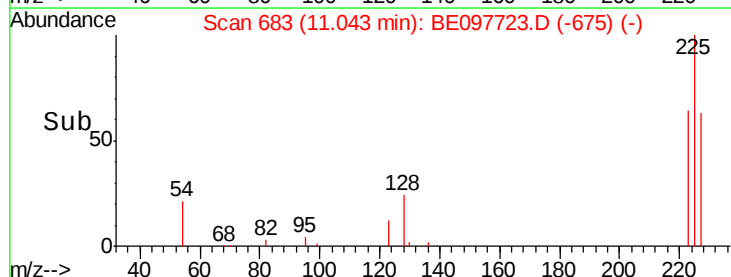
227 61.3 51.2 76.8

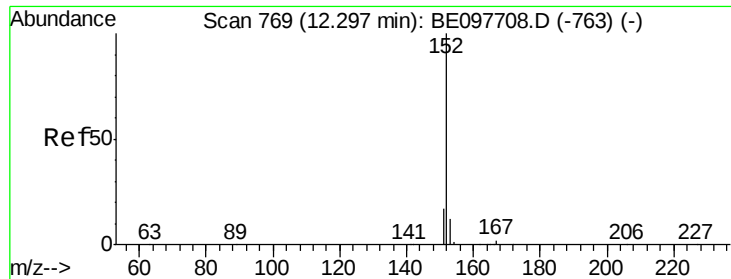


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

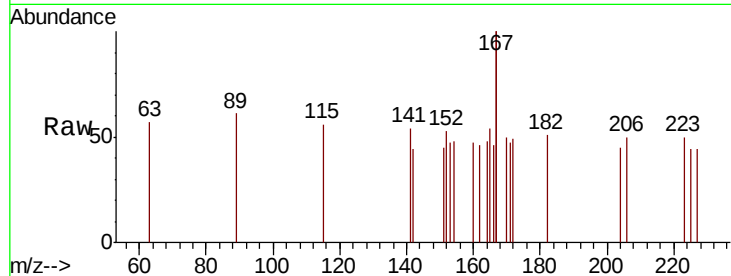




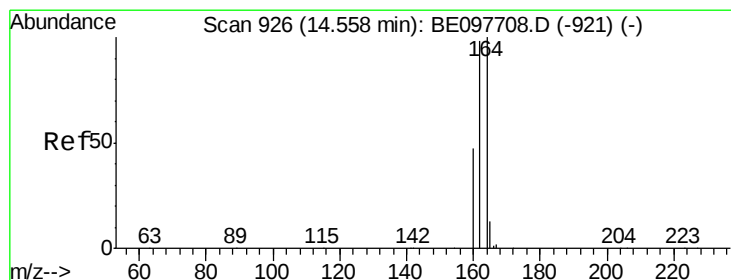
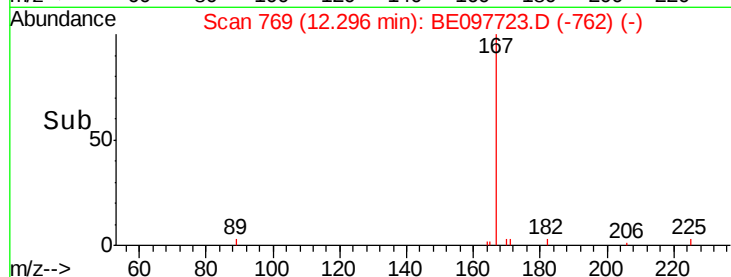
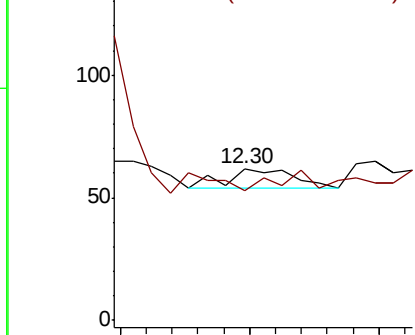
#11
 2-Methylnaphthalene-d10
 Concen: 0.001 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Instrument :
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 PT-BN-WPRE

Tgt Ion:152 Resp: 28
 Ion Ratio Lower Upper
 152 100
 151 0.0 15.4 23.2#

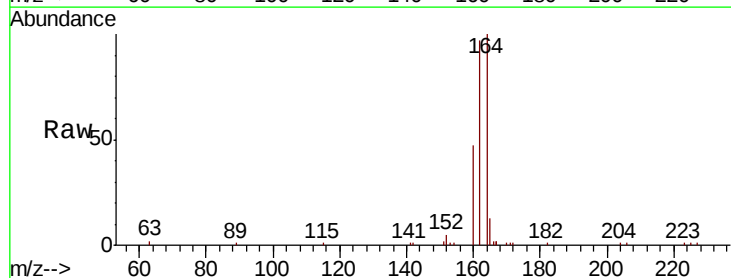


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

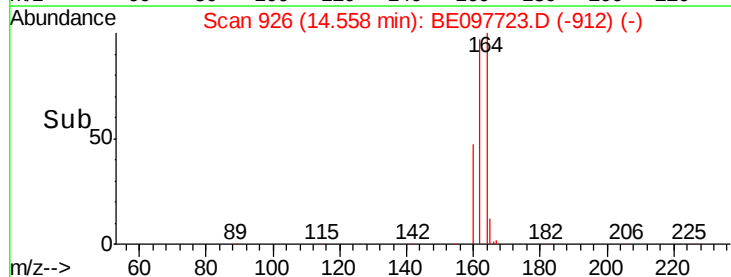
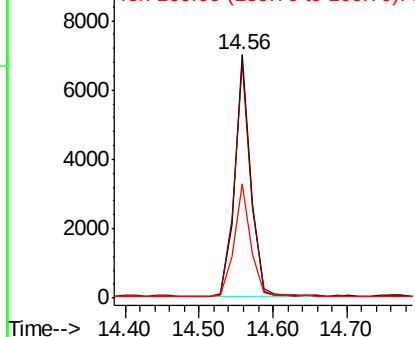


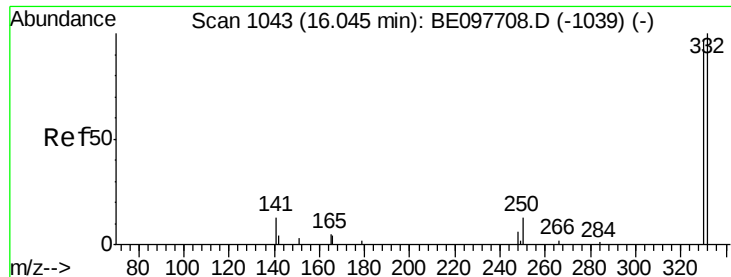
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.56 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion:164 Resp: 10412
 Ion Ratio Lower Upper
 164 100
 162 96.9 78.6 117.8
 160 47.1 37.8 56.6



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

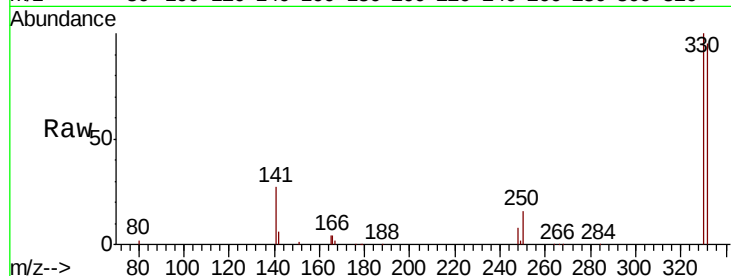




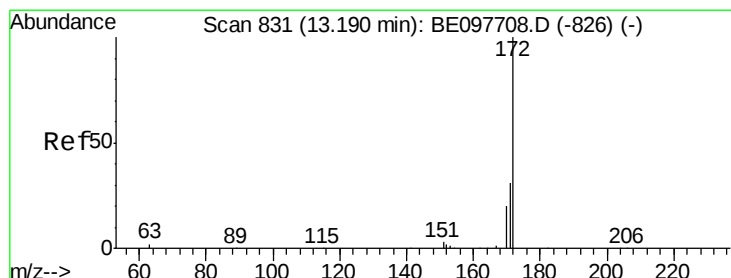
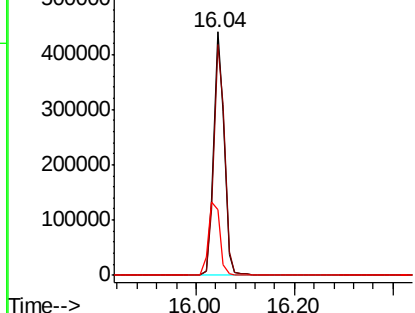
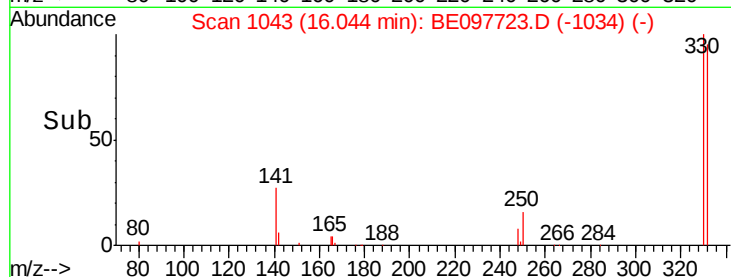
#14
 2,4,6-Tribromophenol
 Concen: 348.407 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

Tgt Ion:330 Resp: 657499
 Ion Ratio Lower Upper
 330 100
 332 97.1 83.5 125.3
 141 33.4 34.9 52.3#

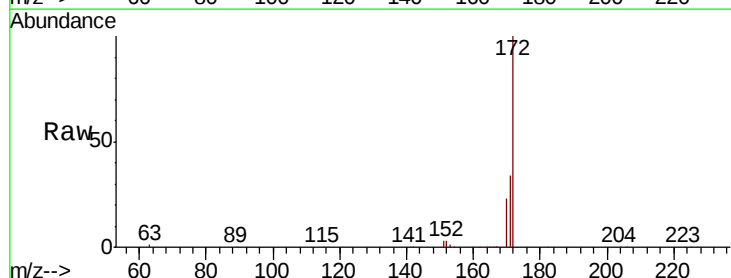


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

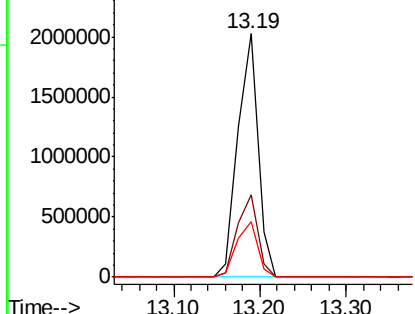
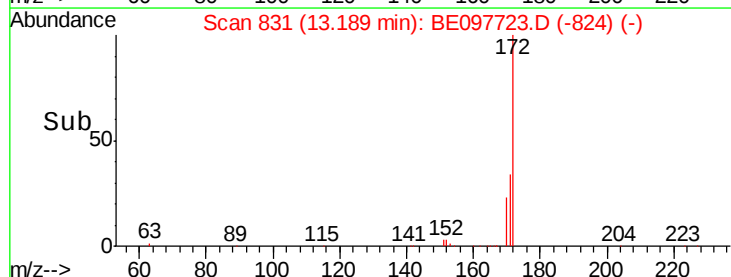


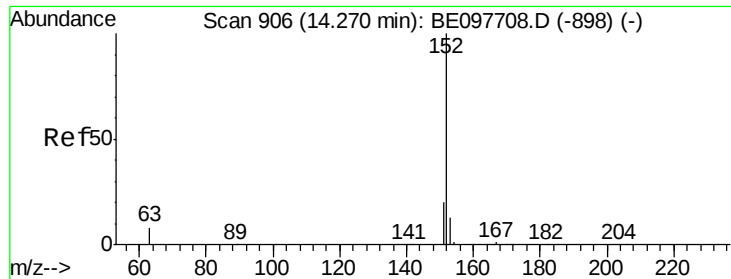
#15
 2-Fluorobiphenyl
 Concen: 70.935 ng
 RT: 13.19 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion:172 Resp: 3251994
 Ion Ratio Lower Upper
 172 100
 171 33.8 25.2 37.8
 170 22.5 16.2 24.2



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

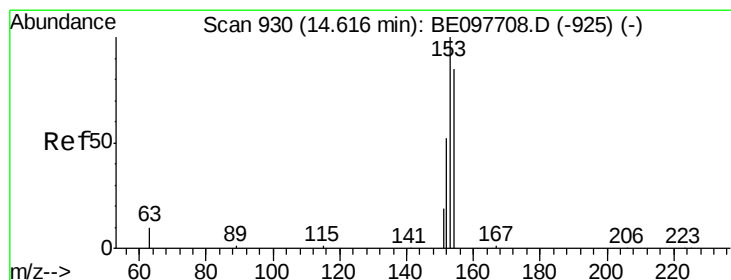
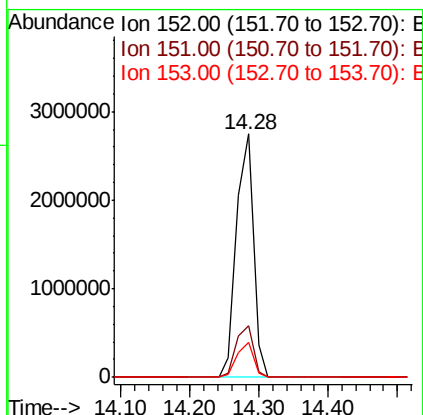
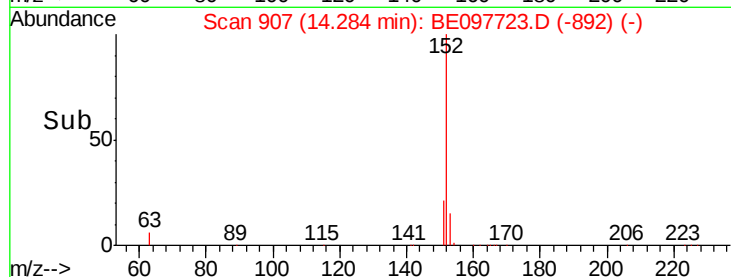
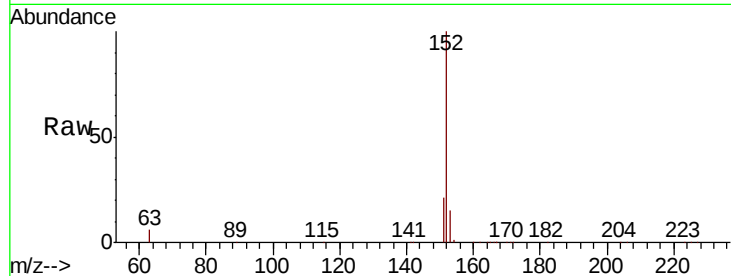




#16
Acenaphthylene
Concen: 101.695 ng
RT: 14.28 min Scan# 907
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

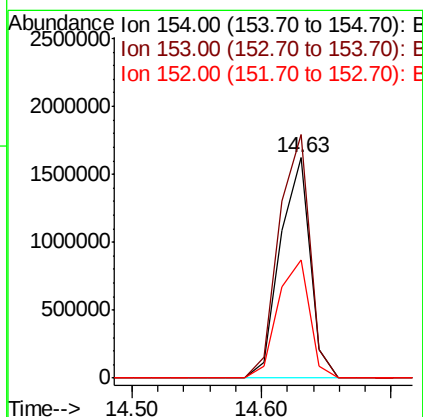
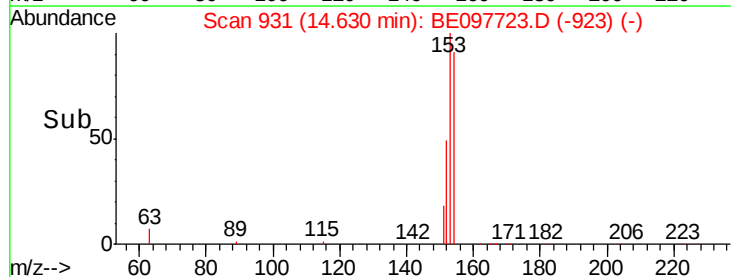
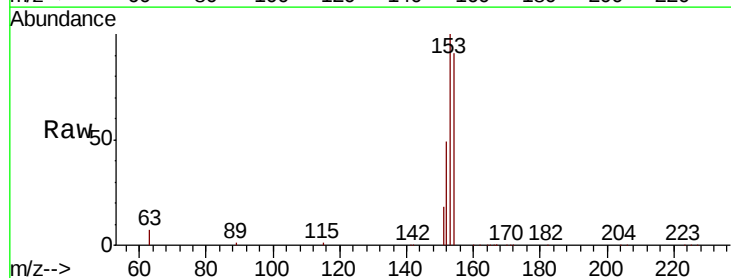
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

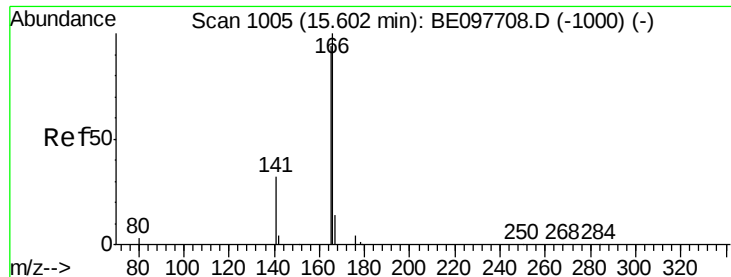
Tgt Ion:152 Resp: 4689178
Ion Ratio Lower Upper
152 100
151 21.6 15.3 22.9
153 14.2 10.8 16.2



#17
Acenaphthene
Concen: 89.150 ng
RT: 14.63 min Scan# 931
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion:154 Resp: 2632812
Ion Ratio Lower Upper
154 100
153 113.8 93.3 139.9
152 56.6 48.9 73.3

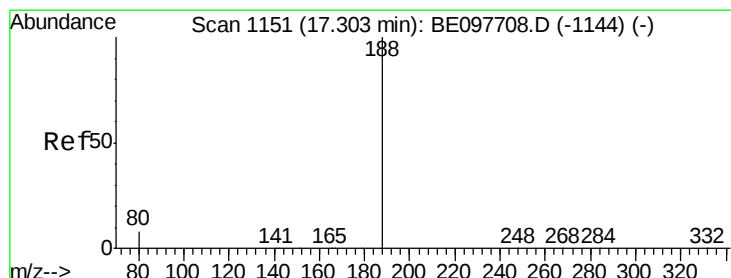
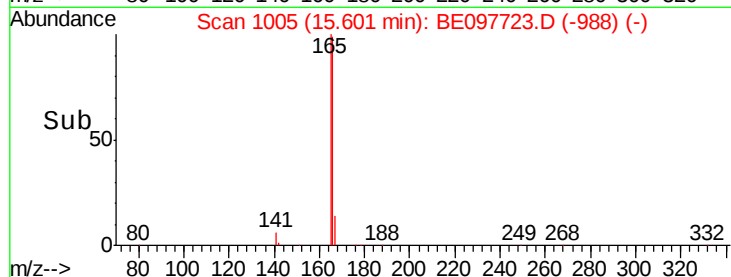
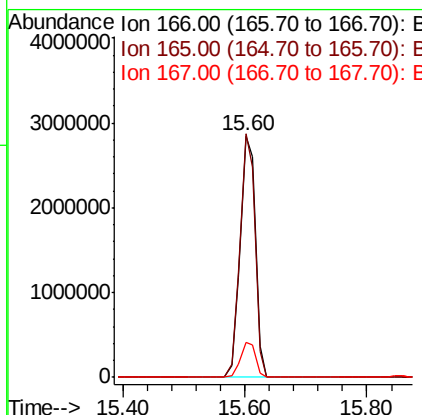
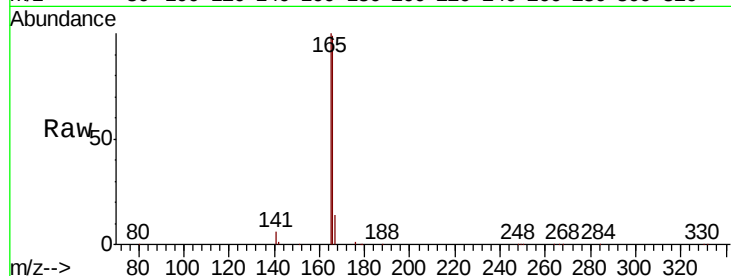




#18
Fluorene
 Concen: 127.432 ng
 RT: 15.60 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

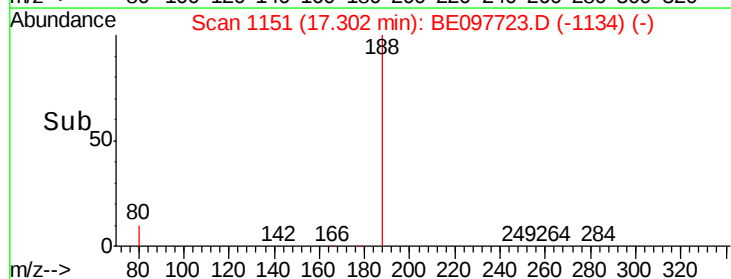
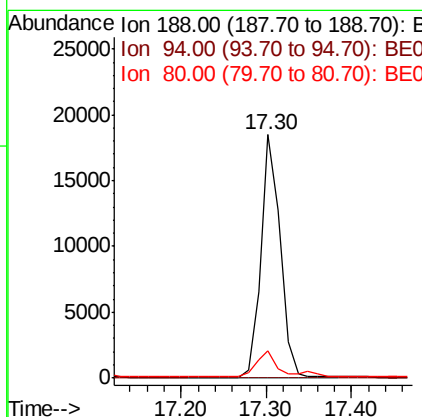
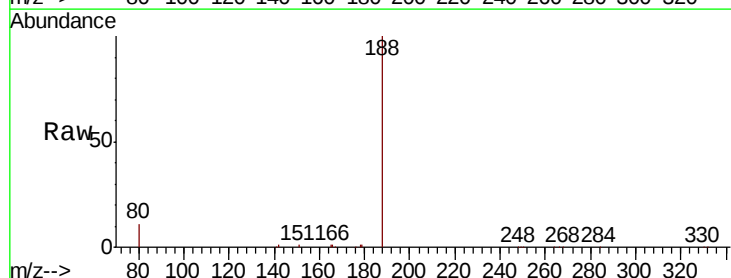
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

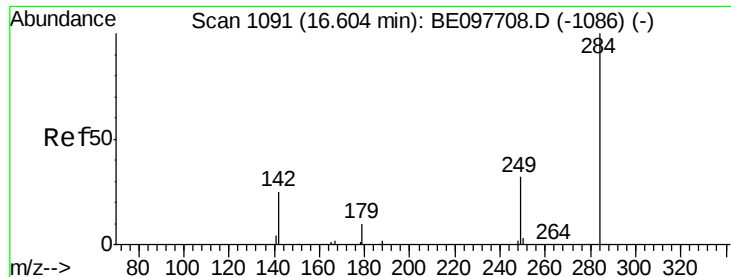
Tgt Ion:166 Resp: 4997562
 Ion Ratio Lower Upper
 166 100
 165 98.9 79.0 118.4
 167 14.5 11.1 16.7



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.30 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion:188 Resp: 28897
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.2 6.6 9.8#





#21

Hexachlorobenzene

Concen: 46.238 ng

RT: 16.61 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

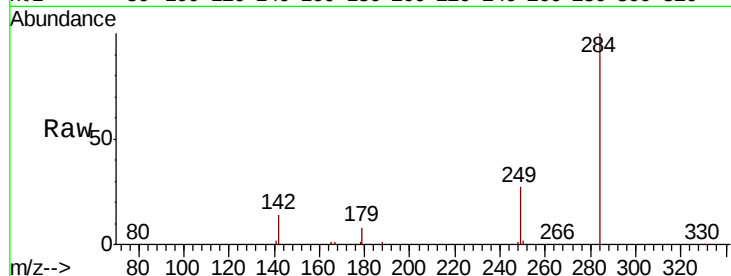
Tgt Ion:284 Resp: 788454

Ion Ratio Lower Upper

284 100

142 31.6 24.9 37.3

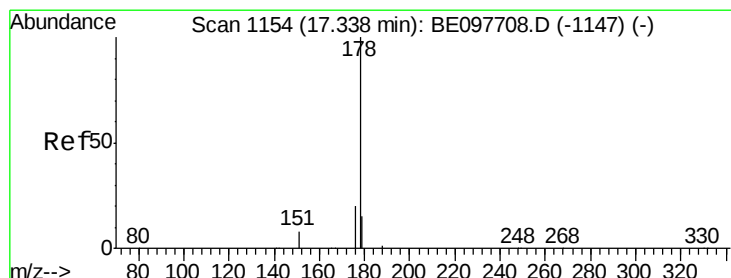
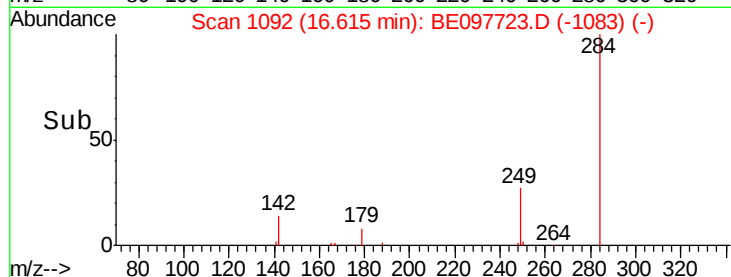
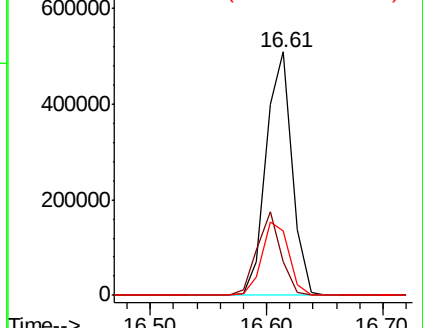
249 31.4 25.8 38.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#23

Phenanthrene

Concen: 116.142 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.02 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

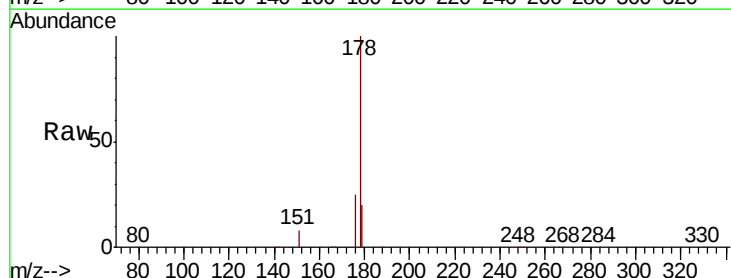
Tgt Ion:178 Resp: 8648658

Ion Ratio Lower Upper

178 100

176 24.3 15.4 23.2#

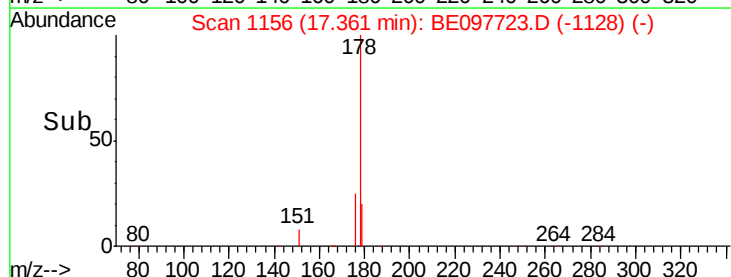
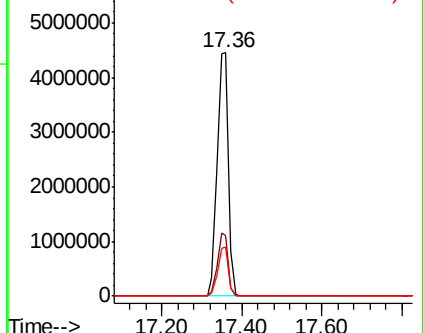
179 18.8 12.2 18.4#

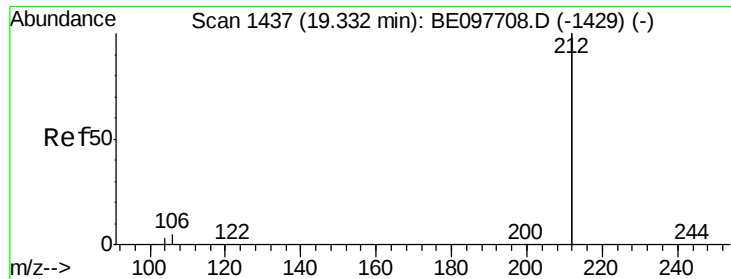


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.002 ng

RT: 19.33 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

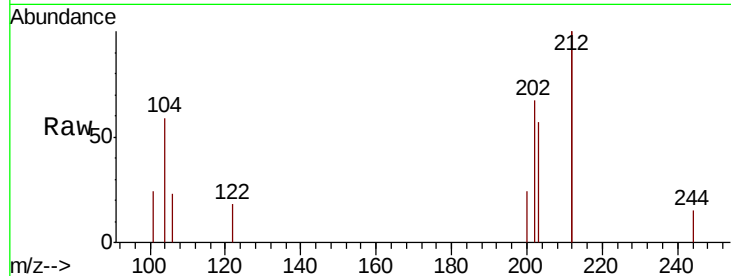
Tgt Ion:212 Resp: 811

Ion Ratio Lower Upper

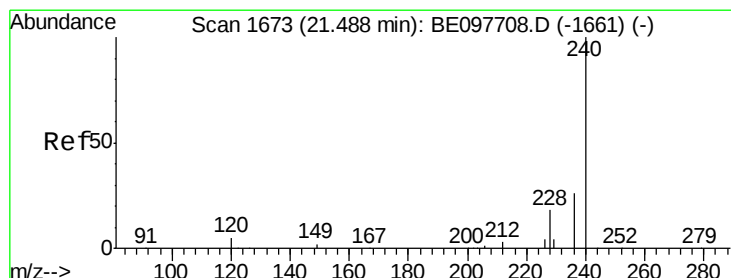
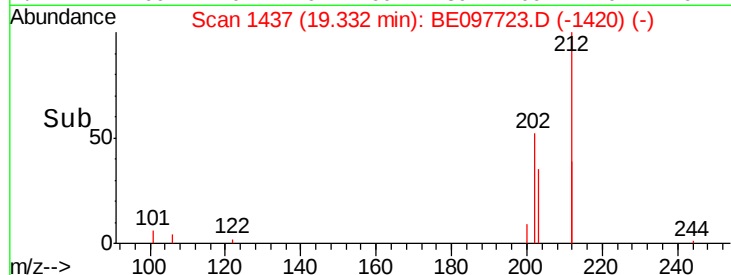
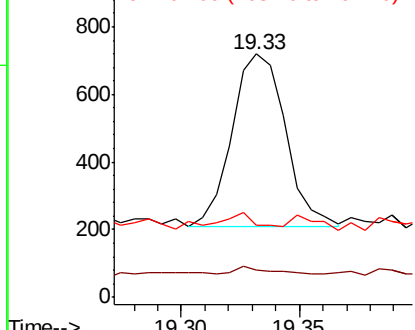
212 100

106 2.8 2.2 3.2

104 0.0 1.2 1.8#



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: 21.50 min Scan# 1674

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

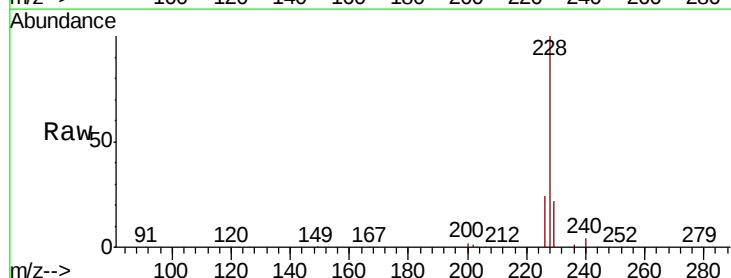
Tgt Ion:240 Resp: 39275

Ion Ratio Lower Upper

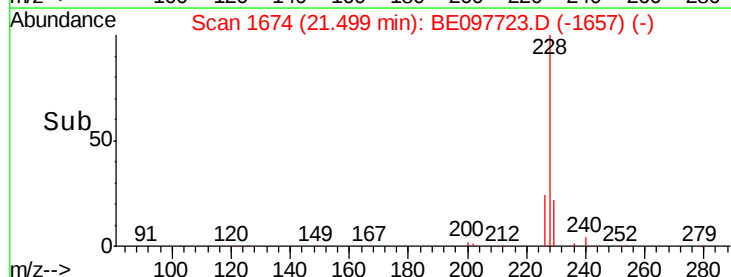
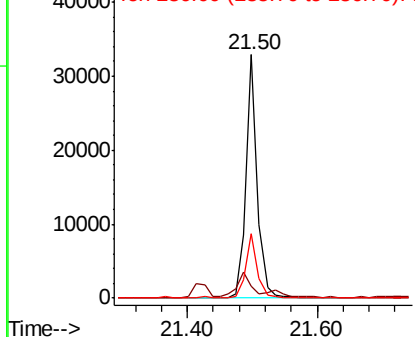
240 100

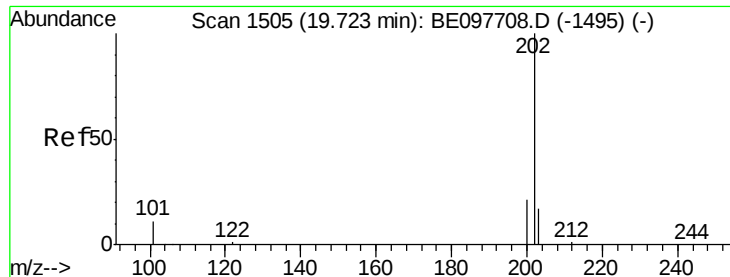
120 5.1 4.7 7.1

236 26.3 20.8 31.2



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

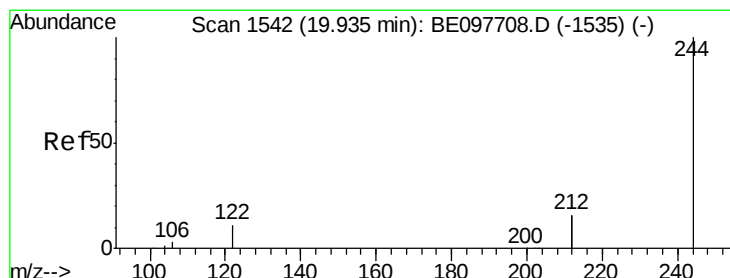
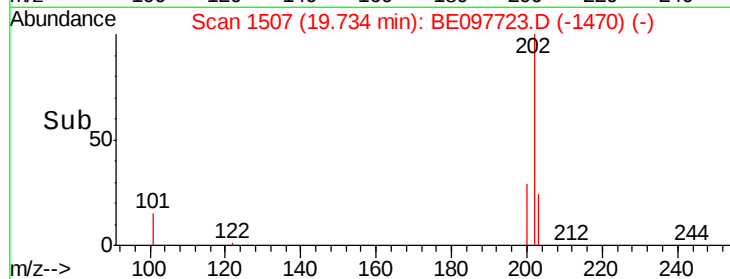
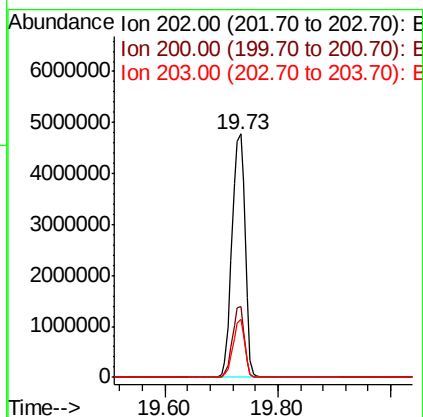
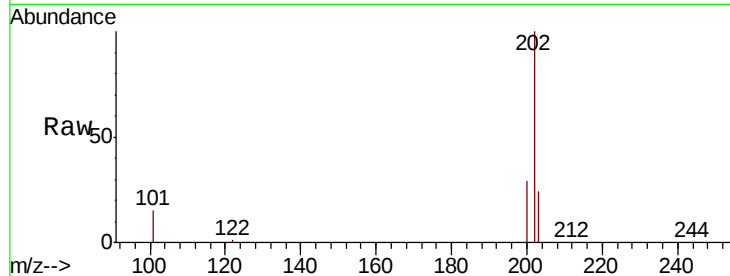




#28
 Pyrene
 Concen: 78.820 ng
 RT: 19.73 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

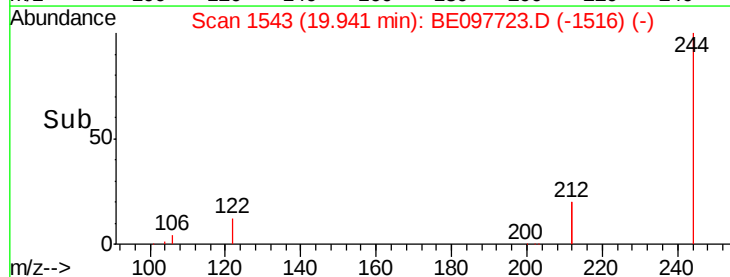
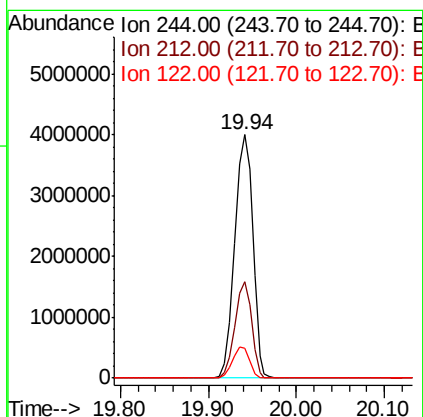
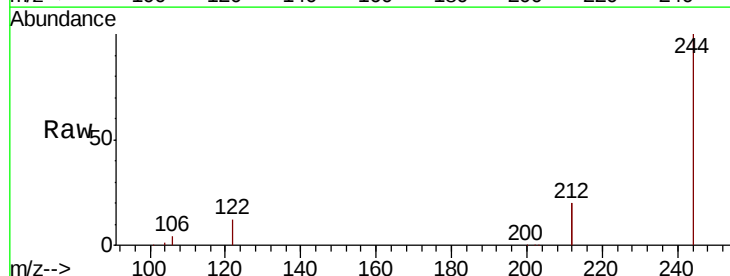
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

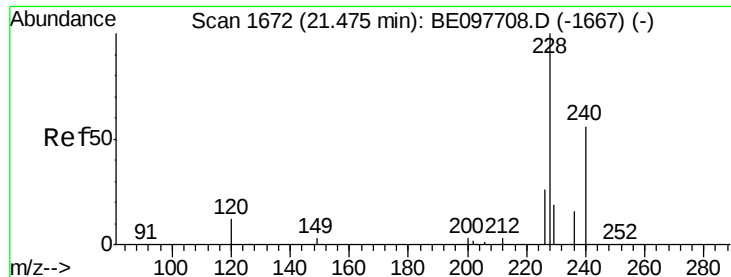
Tgt Ion: 202 Resp: 7866338
 Ion Ratio Lower Upper
 202 100
 200 26.3 16.7 25.1#
 203 21.3 13.9 20.9#



#29
 Terphenyl-d14
 Concen: 95.553 ng
 RT: 19.94 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion: 244 Resp: 7662359
 Ion Ratio Lower Upper
 244 100
 212 39.9 25.8 38.8#
 122 12.1 8.7 13.1





#30

Benzo(a)anthracene

Concen: 87.500 ng

RT: 21.49 min Scan# 1673

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

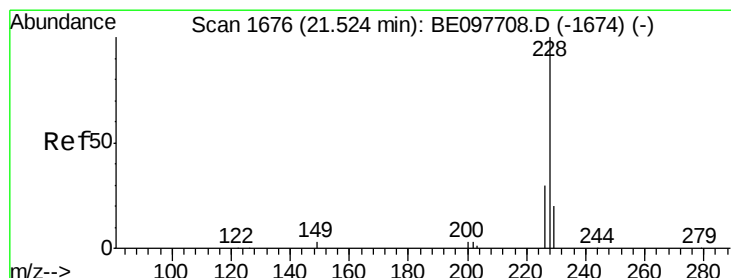
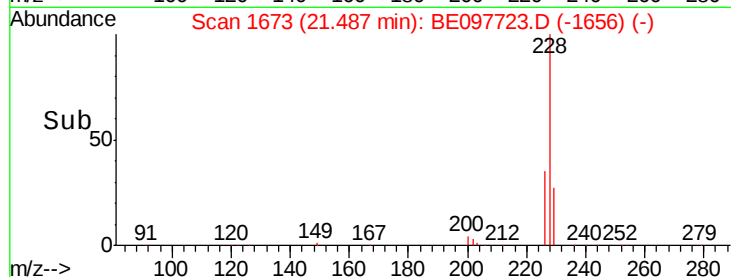
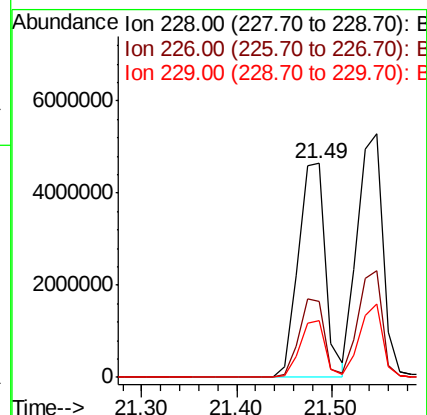
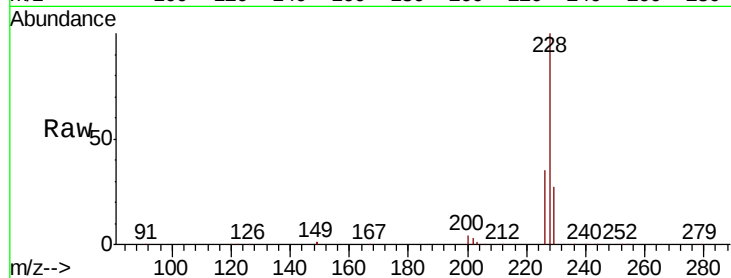
Tgt Ion:228 Resp: 9239171

Ion Ratio Lower Upper

228 100

226 35.3 20.7 31.1#

229 26.6 15.7 23.5#



#31

Chrysene

Concen: 84.124 ng

RT: 21.55 min Scan# 1678

Delta R.T. 0.02 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

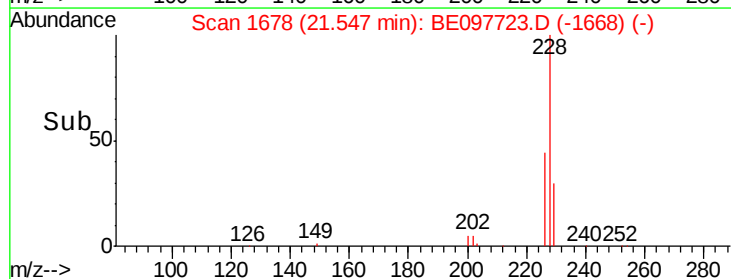
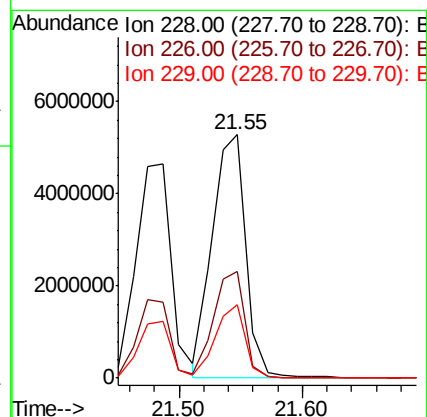
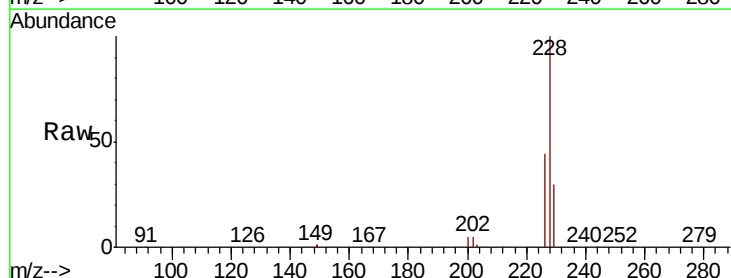
Tgt Ion:228 Resp: 9929989

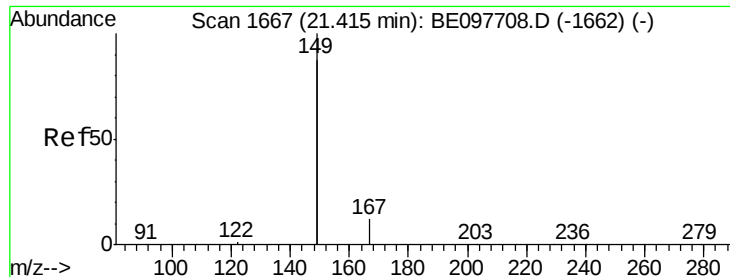
Ion Ratio Lower Upper

228 100

226 44.0 24.3 36.5#

229 30.1 16.0 24.0#

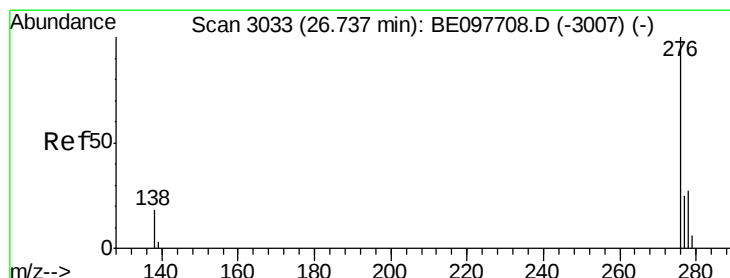
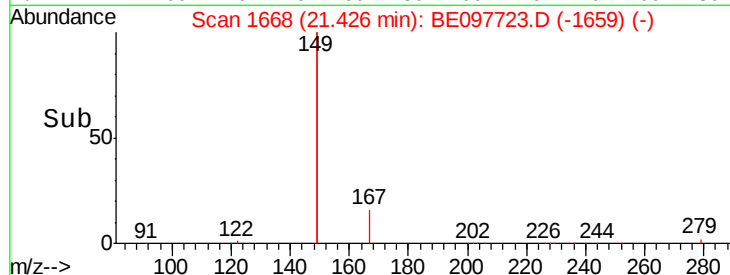
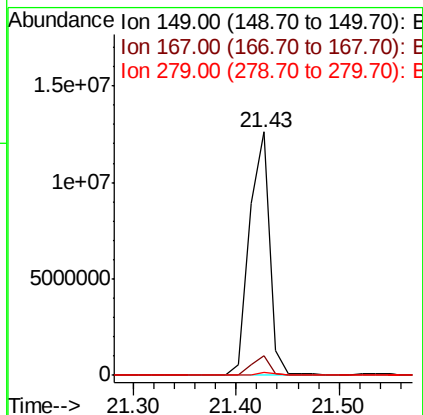
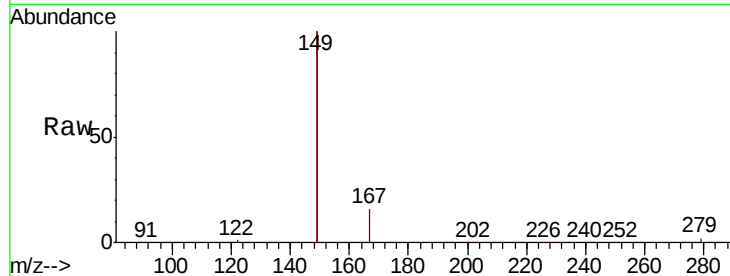




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 222.533 ng
 RT: 21.43 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

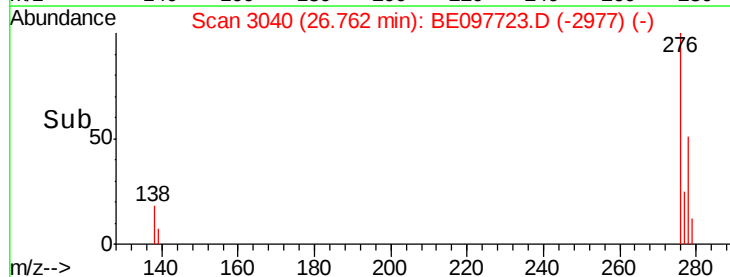
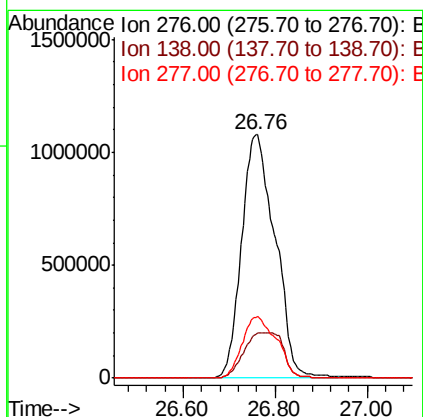
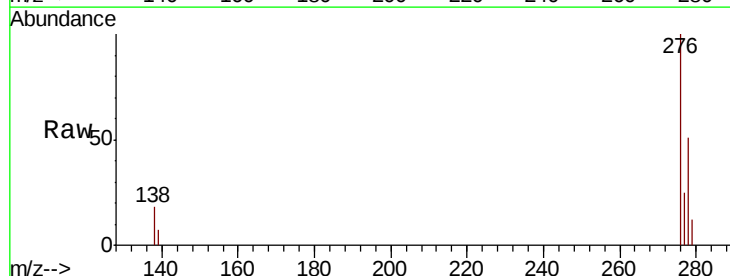
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

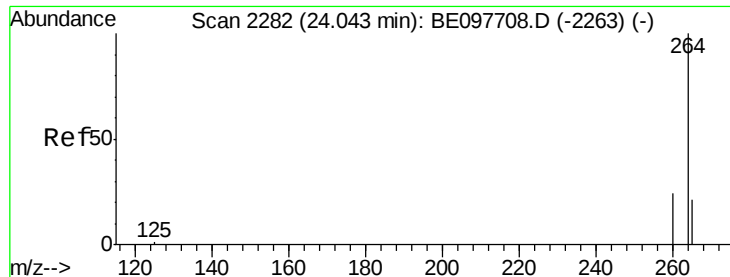
Tgt Ion:149 Resp:17187218
 Ion Ratio Lower Upper
 149 100
 167 7.4 5.5 8.3
 279 1.2 0.9 1.3



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 53.218 ng
 RT: 26.76 min Scan# 3040
 Delta R.T. 0.02 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion:276 Resp: 5456010
 Ion Ratio Lower Upper
 276 100
 138 22.0 15.0 22.6
 277 26.2 19.2 28.8

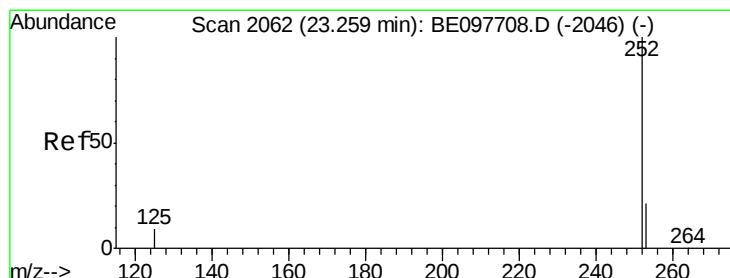
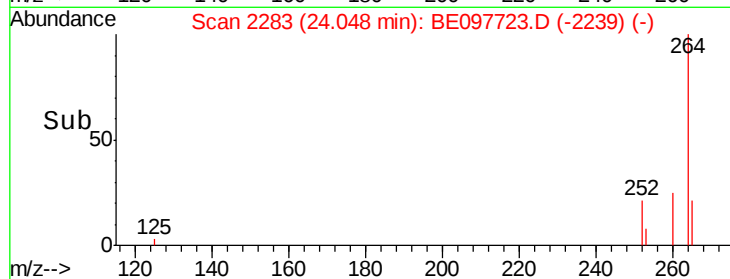
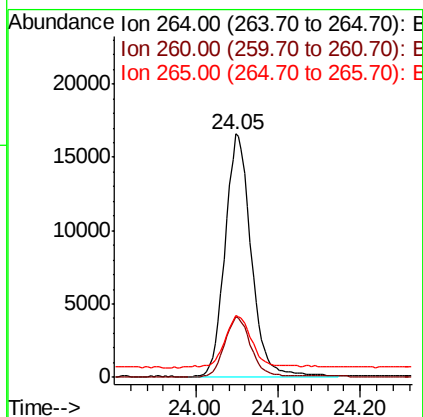
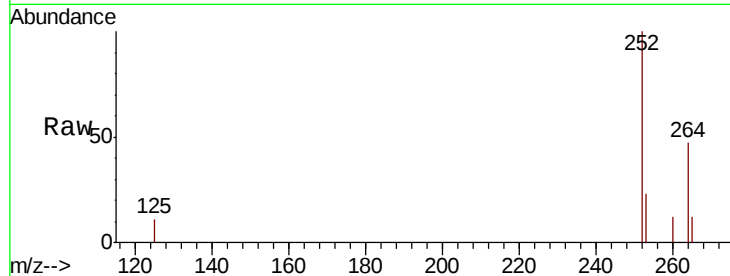




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.05 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

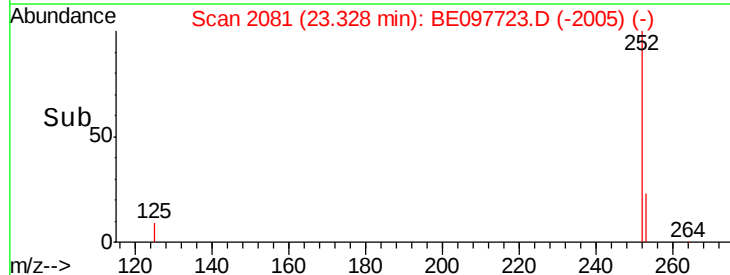
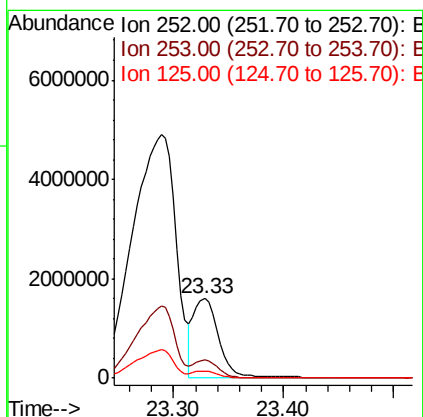
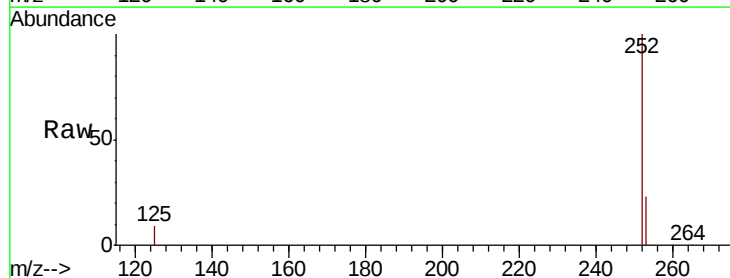
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

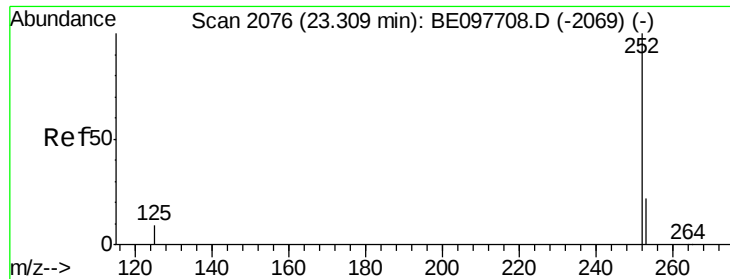
Tgt Ion: 264 Resp: 36451
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.1 28.7
 265 25.6 21.9 32.9



#35
 Benzo(b)fluoranthene
 Concen: 25.125 ng
 RT: 23.33 min Scan# 2081
 Delta R.T. 0.07 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion: 252 Resp: 2513513
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 8.9 7.8 11.8

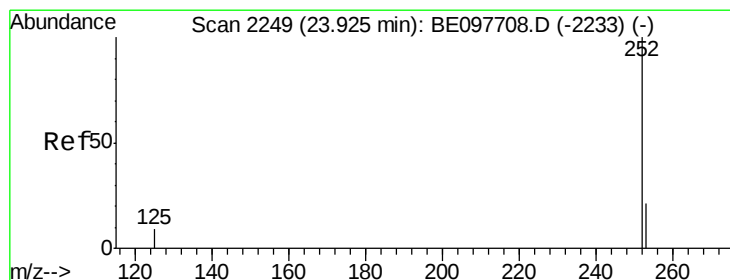
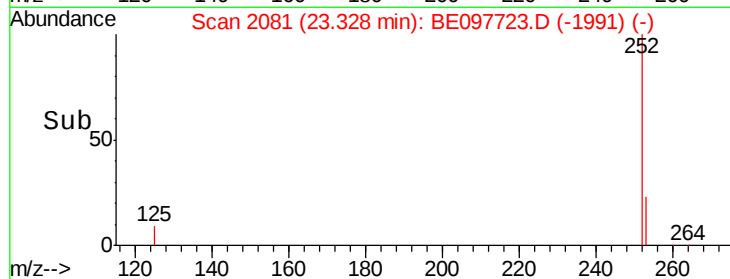
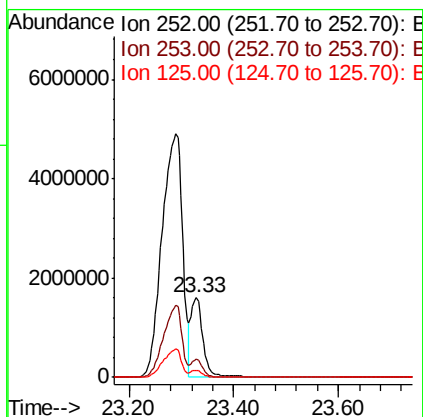
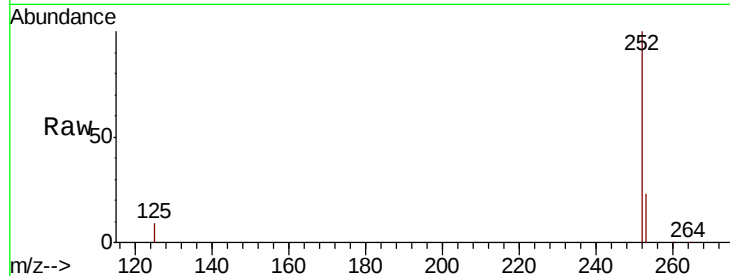




#36
Benzo(k)fluoranthene
Concen: 23.539 ng
RT: 23.33 min Scan# 2081
Delta R.T. 0.02 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

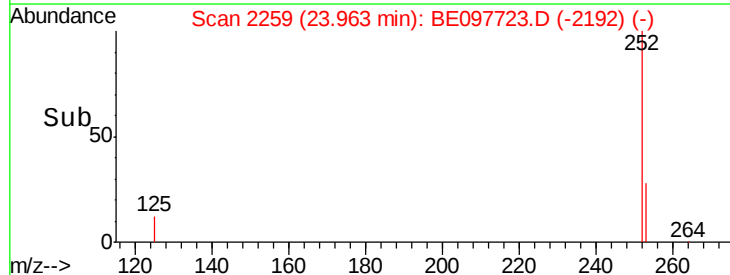
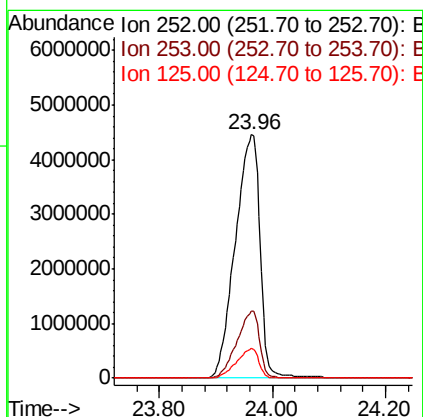
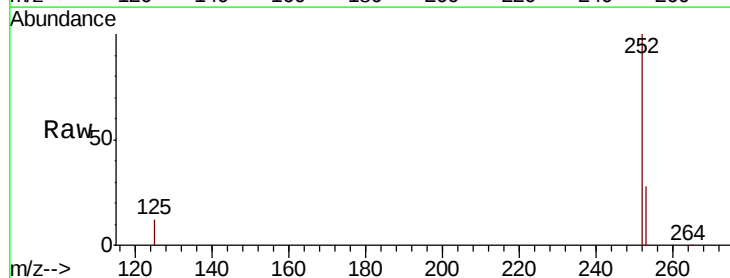
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

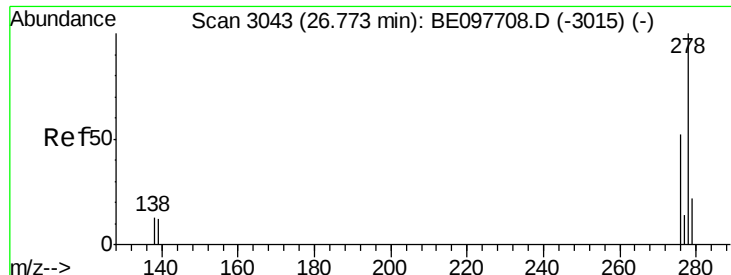
Tgt Ion:252 Resp: 2610577
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 8.9 7.5 11.3



#37
Benzo(a)pyrene
Concen: 149.487 ng
RT: 23.96 min Scan# 2259
Delta R.T. 0.04 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion:252 Resp:13538250
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 12.1 8.3 12.5





#38

Dibenzo(a,h)anthracene

Concen: 74.072 ng

RT: 26.80 min Scan# 3052

Delta R.T. 0.03 min

Lab File: BE097723.D

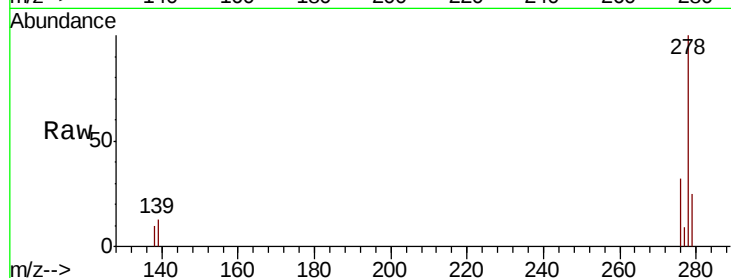
Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE



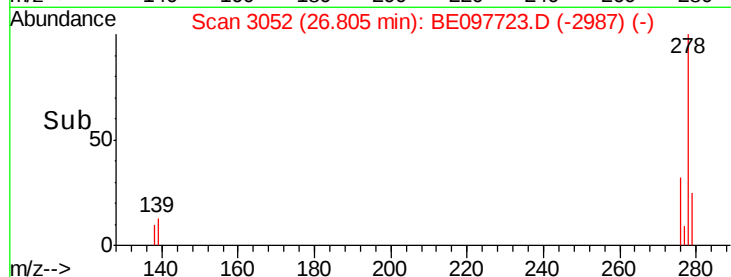
Tgt Ion: 278 Resp: 6607522

Ion Ratio Lower Upper

278 100

139 13.2 10.3 15.5

279 25.1 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E

2500000 Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

