

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032318\
 Data File : BE095825.D
 Acq On : 23 Mar 2018 15:44
 Operator : SJ/JU
 Sample : J1888-05DL 50X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Mar 24 00:07:40 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	942	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	3566	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2100	0.40	ng	-0.01
19) Phenanthrene-d10	17.71	188	5536	0.40	ng	0.00
27) Chrysene-d12	21.80	240	6874	0.40	ng	0.00
34) Perylene-d12	24.43	264	6485	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.90	112	8473	2.73	ng	-0.02
5) Phenol-d6	7.56	99	11809	2.77	ng	0.00
8) Nitrobenzene-d5	9.59	82	8192	1.94	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	1	0.00	ng	-0.01
14) 2,4,6-Tribromophenol	16.47	330	3707	3.06	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	17762	2.01	ng	-0.01
25) Fluoranthene-d10	19.69	212	28	0.00	ng	0.00
29) Terphenyl-d14	20.24	244	33664	2.31	ng	0.00

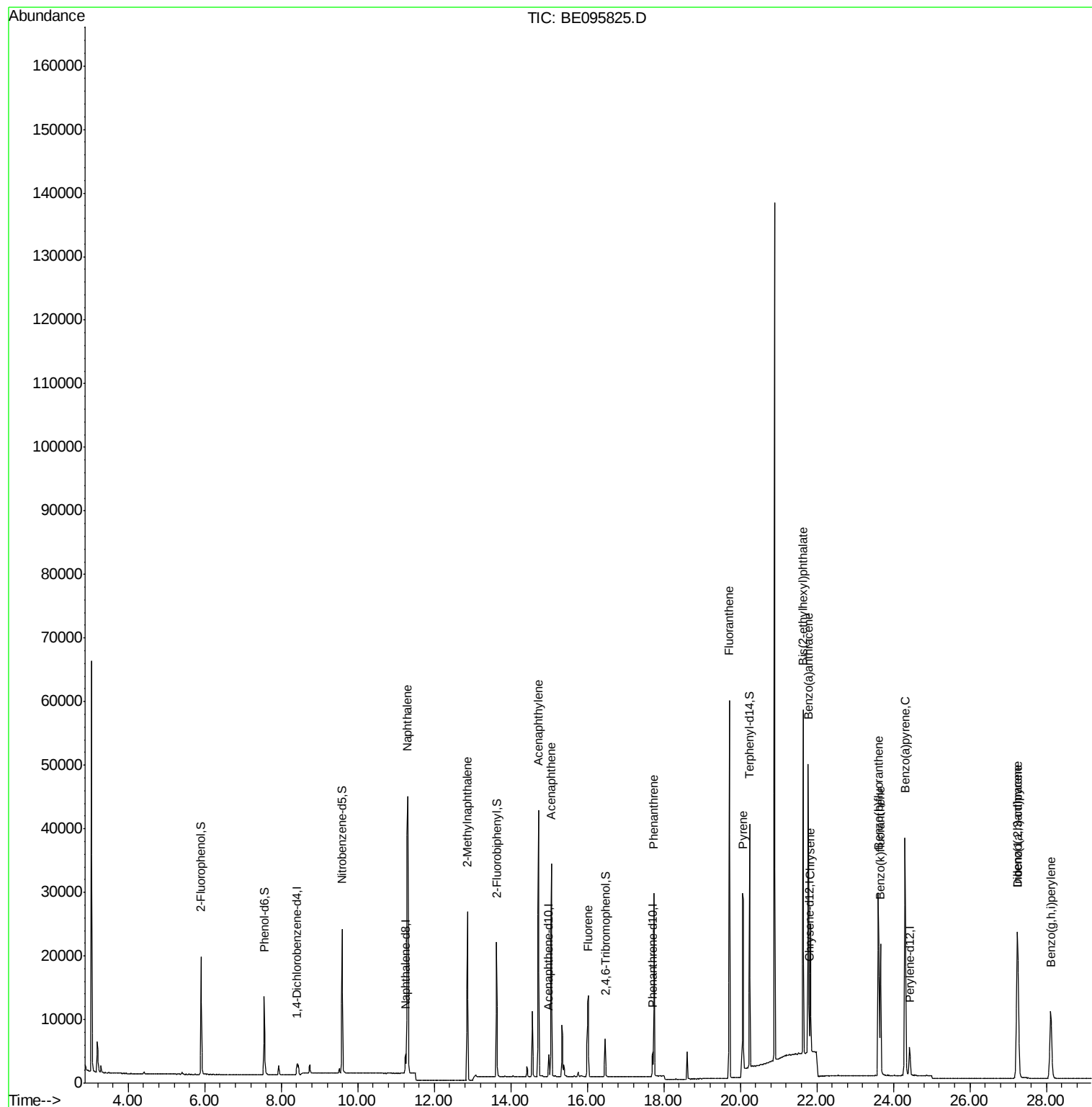
Target Compounds				Qvalue		
9) Naphthalene	11.31	128	75552	1.855	ng	99
12) 2-Methylnaphthalene	12.87	142	17816	2.561	ng	98
16) Acenaphthylene	14.73	152	44308	3.689	ng	99
17) Acenaphthene	15.06	154	16120	2.201	ng	95
18) Fluorene	16.03	166	9331	0.968	ng	# 77
23) Phenanthrene	17.74	178	28665	1.730	ng	99
26) Fluoranthene	19.72	202	54214	2.355	ng	# 97
28) Pyrene	20.06	202	37172	1.328	ng	99
30) Benzo(a)anthracene	21.78	228	38084	1.598	ng	97
31) Chrysene	21.84	228	17449	0.802	ng	98
32) Bis(2-ethylhexyl)phthalate	21.64	149	57594	0.790	ng	100
33) Indeno(1,2,3-cd)pyrene	27.24	276	38055	1.624	ng	# 92
35) Benzo(b)fluoranthene	23.61	252	42478	1.980	ng	# 88
36) Benzo(k)fluoranthene	23.66	252	30593	1.426	ng	96
37) Benzo(a)pyrene	24.31	252	61054	3.036	ng	# 93
38) Dibenzo(a,h)anthracene	27.26	278	22569	1.181	ng	# 96
39) Benzo(a,h,i)perylene	28.12	276	26801	1.397	ng	# 90

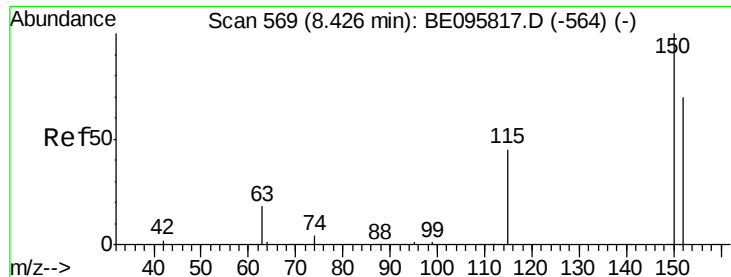
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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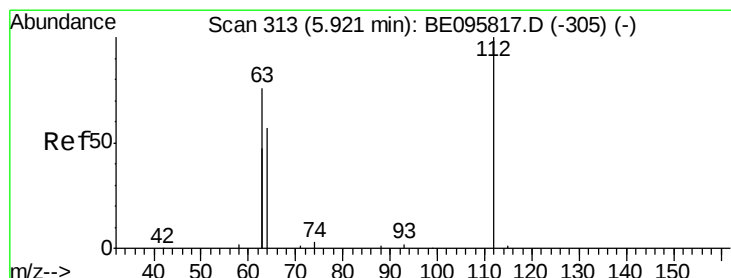
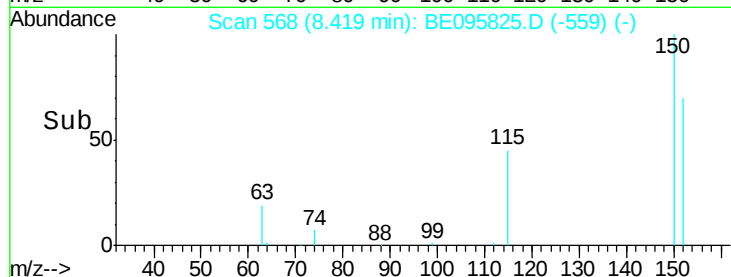
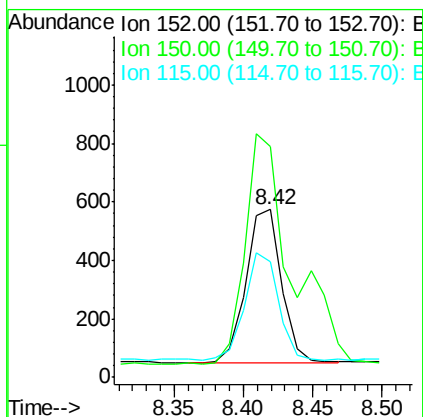
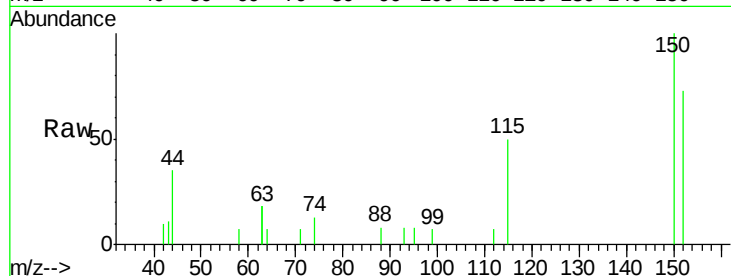


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

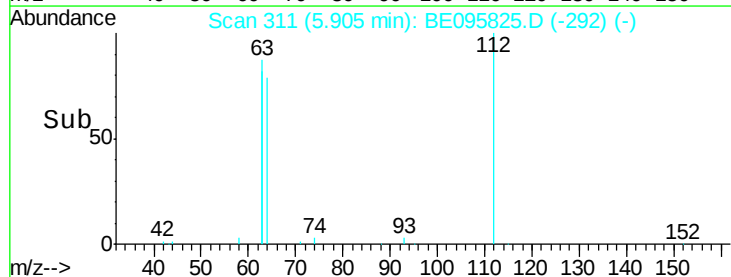
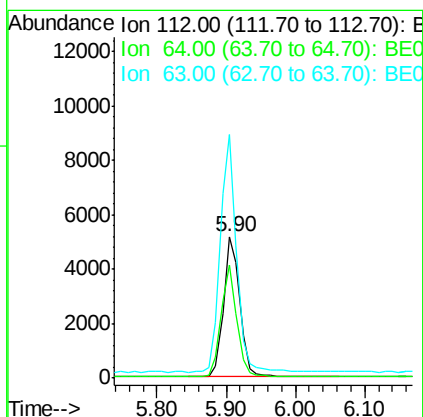
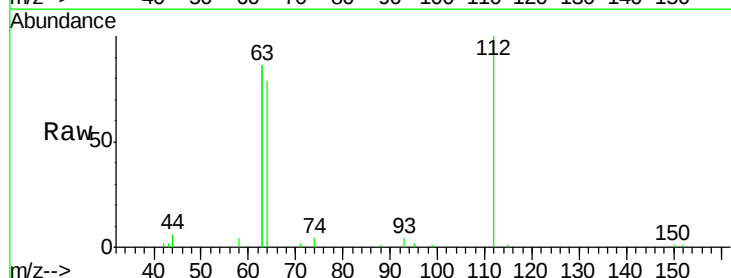
Tot Ion:152 Resp: 942
Ion Ratio Lower Upper
152 100
150 137.9 117.2 175.8
115 68.9 57.0 85.6

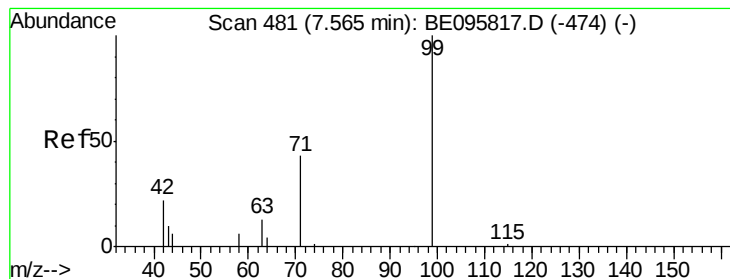


#4

2-Fluorophenol
Concen: 2.729 ng
RT: 5.90 min Scan# 311
Delta R.T. -0.02 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

Tgt Ion:112 Resp: 8473
Ion Ratio Lower Upper
112 100
64 76.4 60.1 90.1
63 167.1 116.8 175.2





#5

Phenol-d6

Concen: 2.765 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

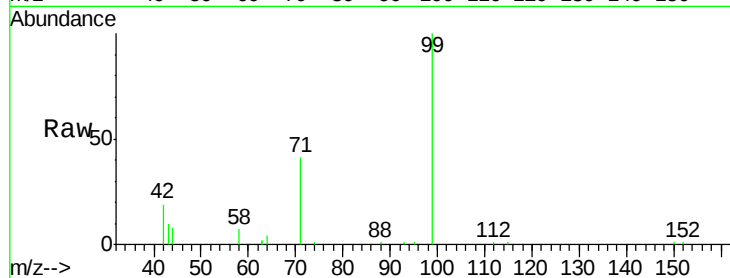
Tot Ion: 99 Resp: 11809

Ion Ratio Lower Upper

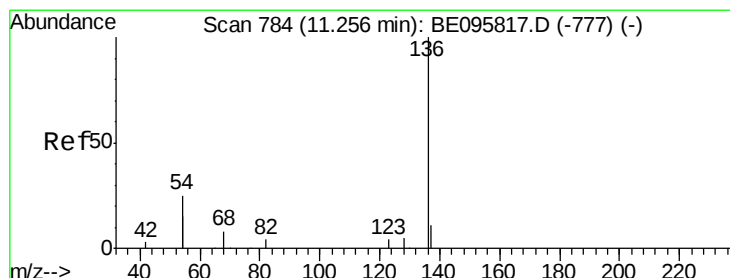
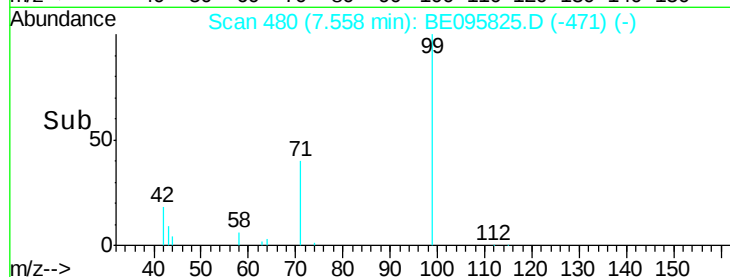
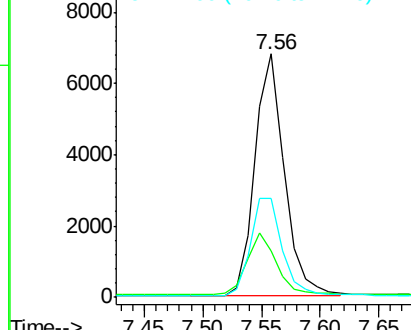
99 100

42 25.4 20.2 30.2

71 43.5 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Tgt Ion: 136 Resp: 3566

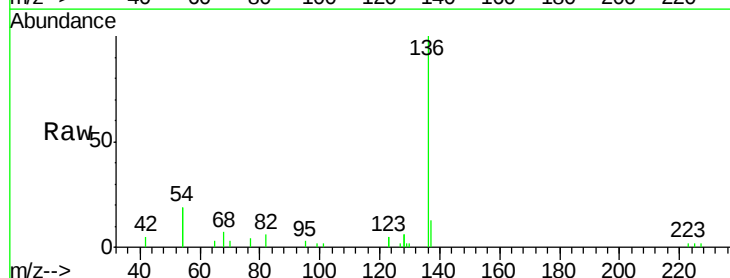
Ion Ratio Lower Upper

136 100

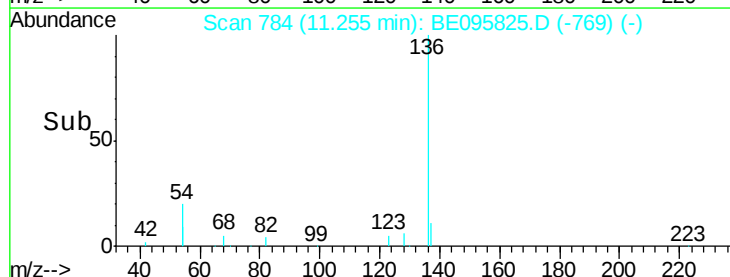
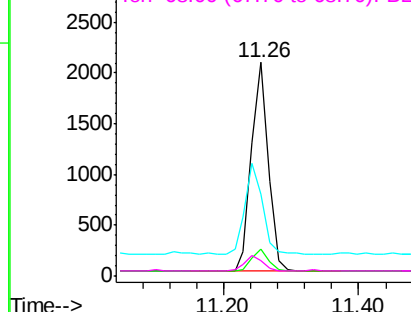
137 12.9 9.5 14.3

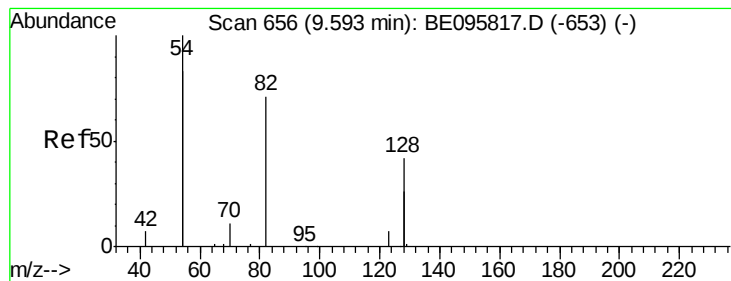
54 38.6 29.1 43.7

68 7.4 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: 1.945 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

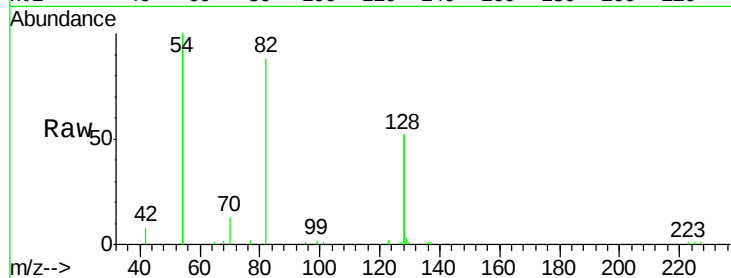
Tot Ion: 82 Resp: 8192

Ion Ratio Lower Upper

82 100

128 119.2 150.0 225.0#

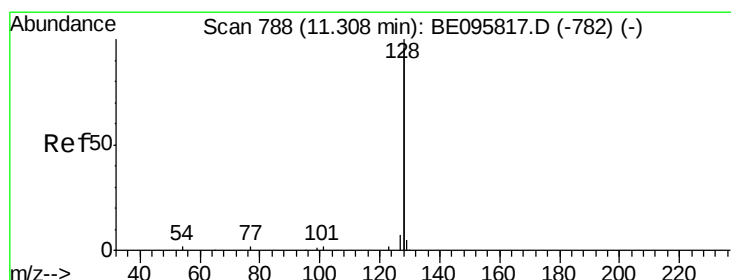
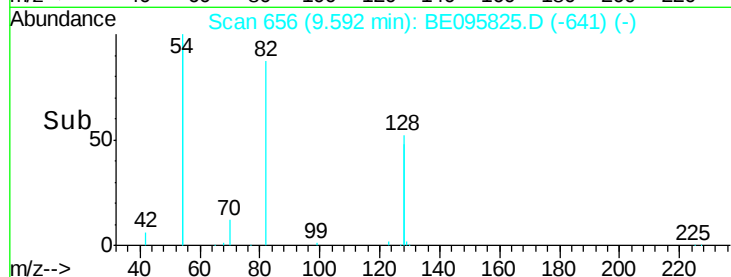
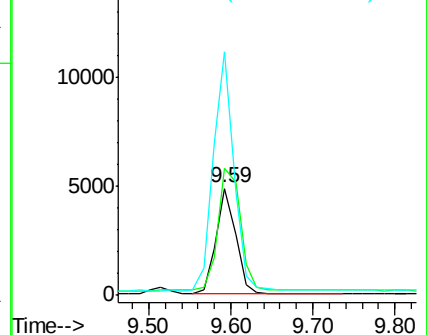
54 227.4 154.2 231.4



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



#9

Naphthalene

Concen: 1.855 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

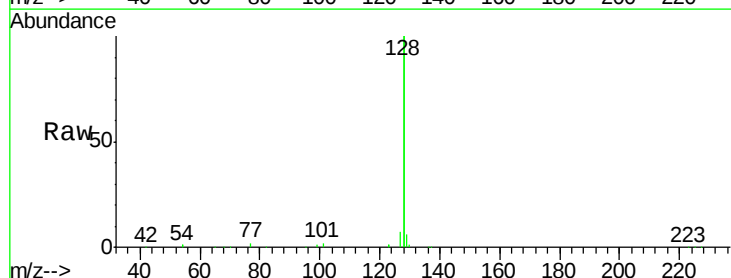
Tgt Ion:128 Resp: 75552

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

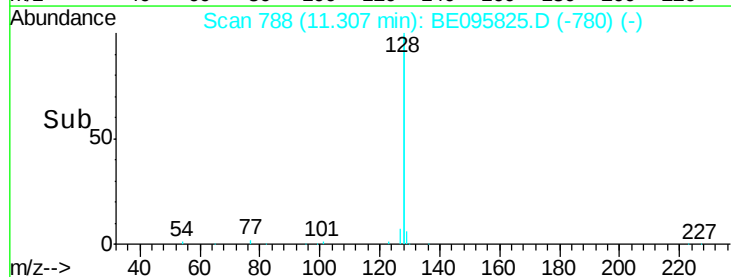
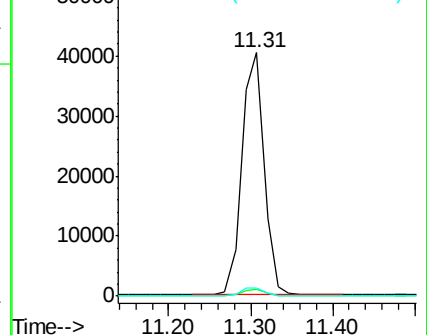
127 3.4 2.8 4.2

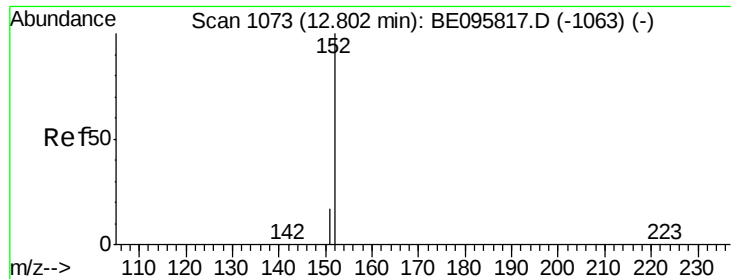


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0

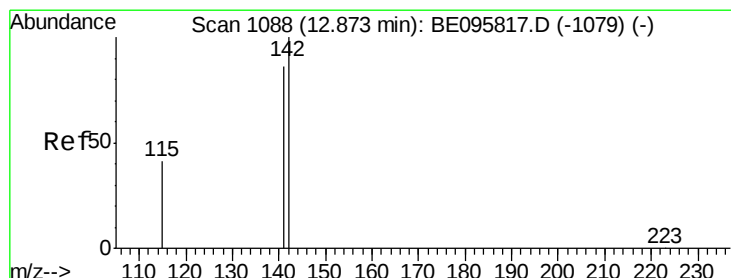
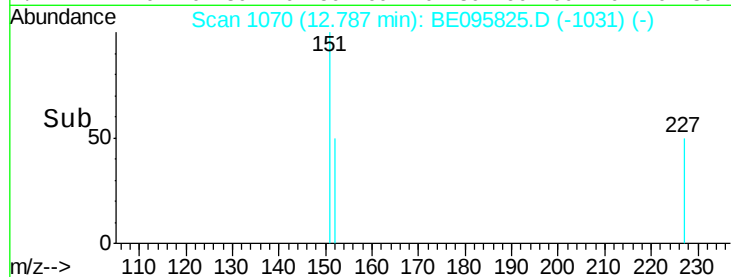
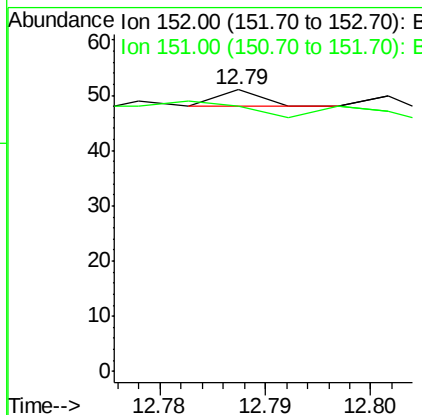
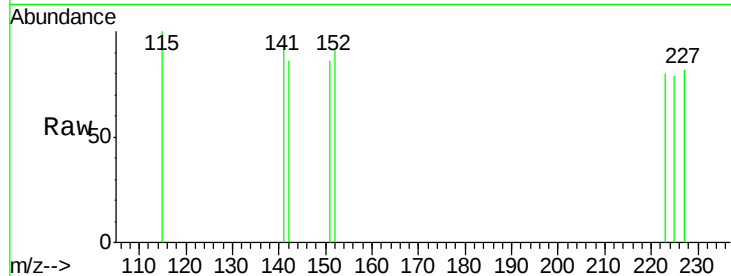




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 RT: 12.79 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: BE095825.D
 Acq: 23 Mar 2018 15:44

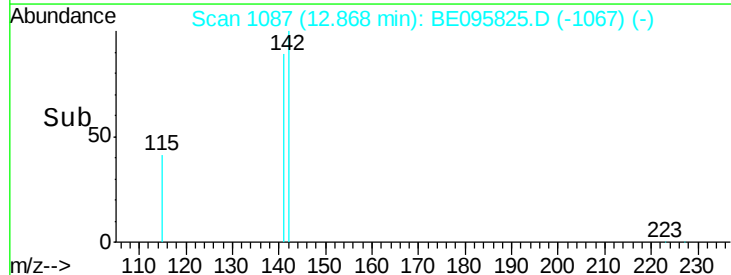
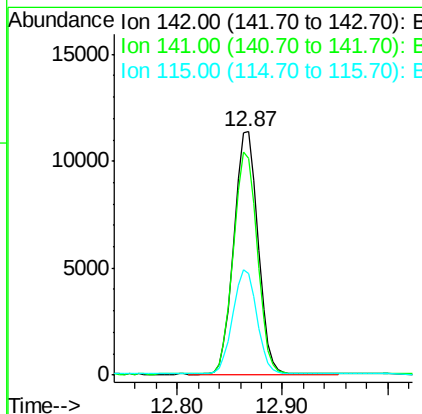
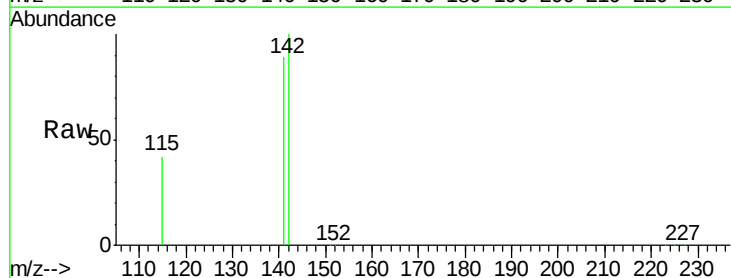
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

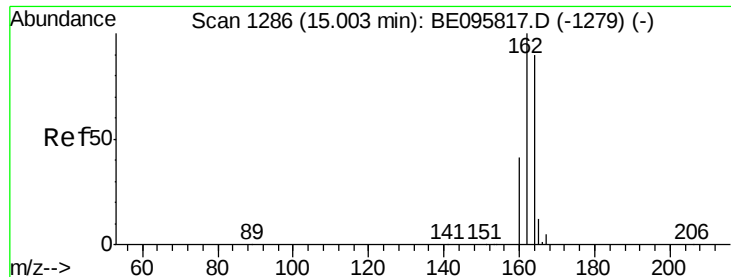
Tot Ion:152 Resp: 1
 Ion Ratio Lower Upper
 152 100
 151 400.0 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 2.561 ng
 RT: 12.87 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE095825.D
 Acq: 23 Mar 2018 15:44

Tgt Ion:142 Resp: 17816
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.4 105.6
 115 41.6 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

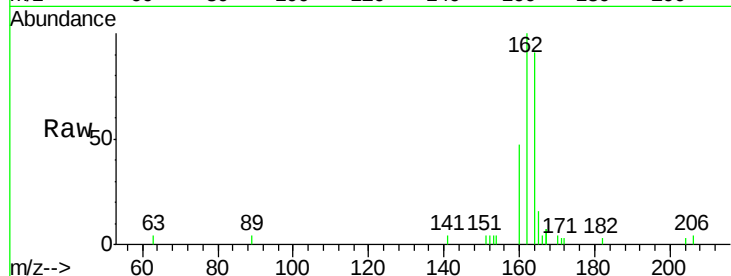
Tot Ion:164 Resp: 2100

Ion Ratio Lower Upper

164 100

162 109.3 83.1 124.7

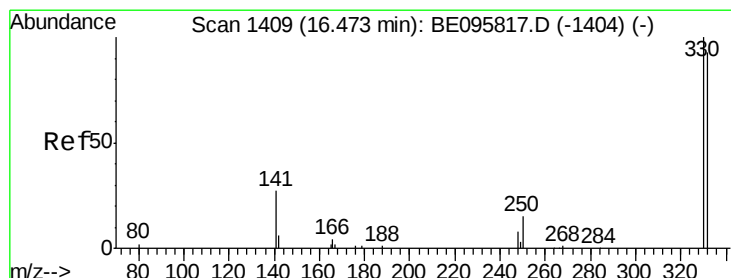
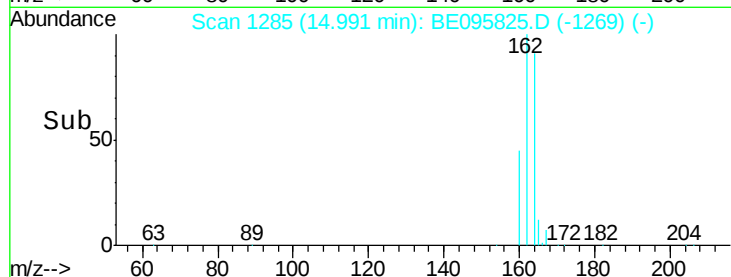
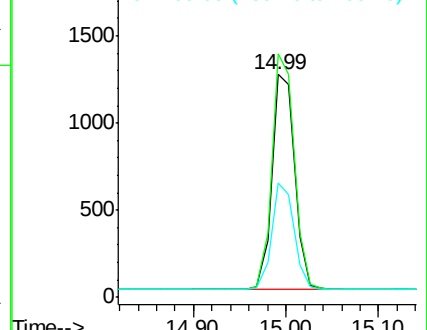
160 51.6 37.1 55.7



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: 3.059 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

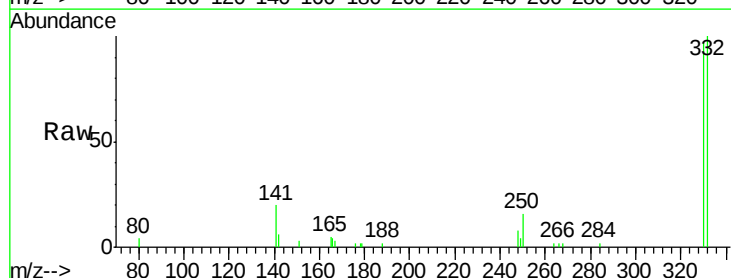
Tgt Ion:330 Resp: 3707

Ion Ratio Lower Upper

330 100

332 97.8 152.7 229.1#

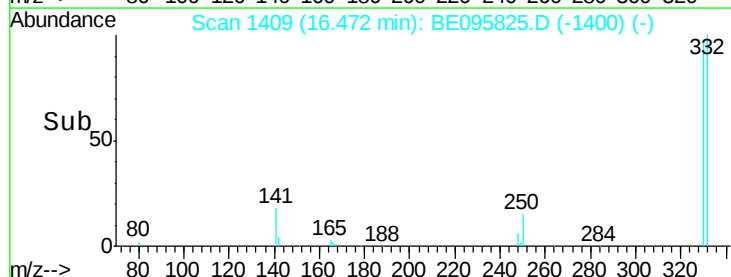
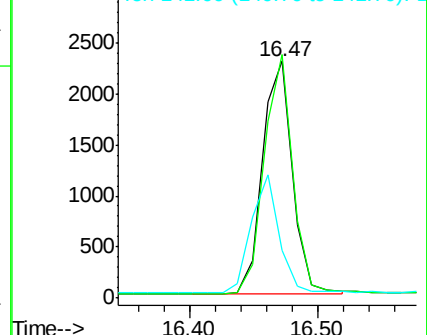
141 46.9 33.7 50.5

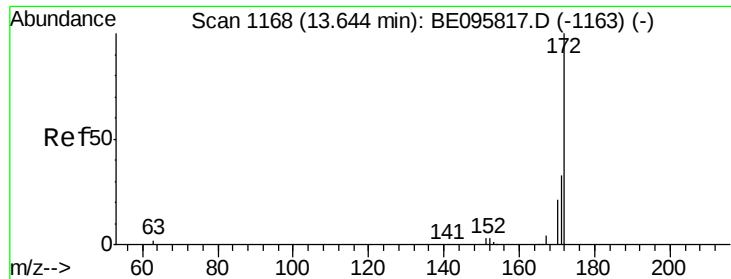


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

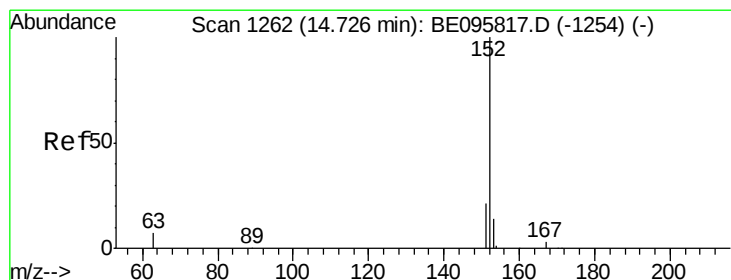
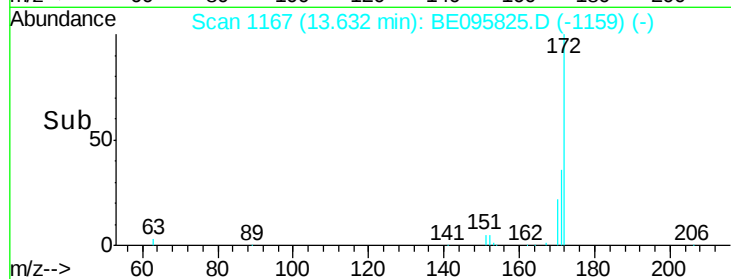
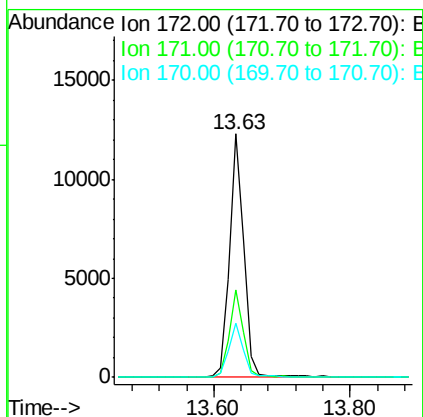
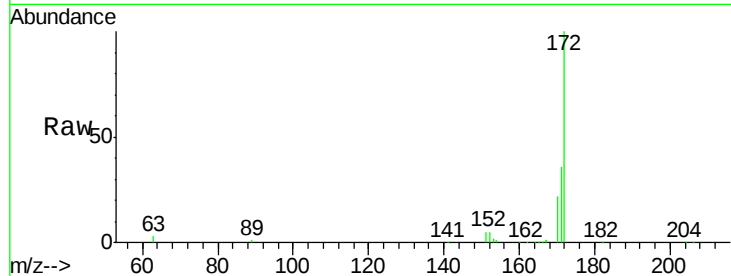




#15
2-Fluorobiphenyl
Concen: 2.007 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

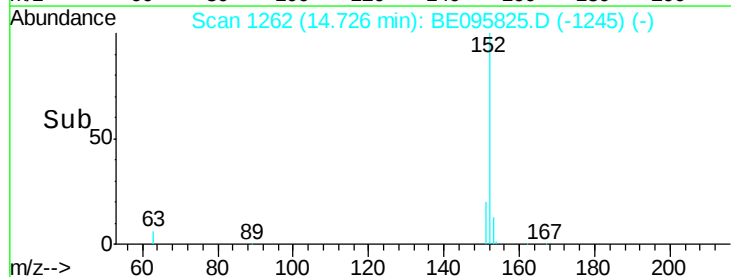
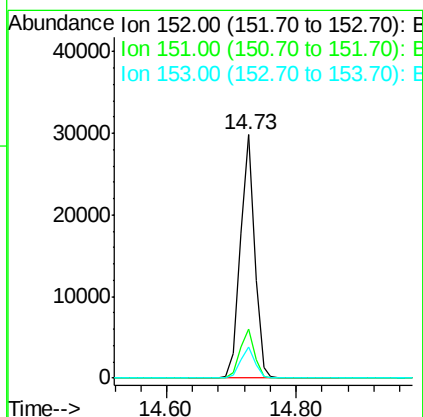
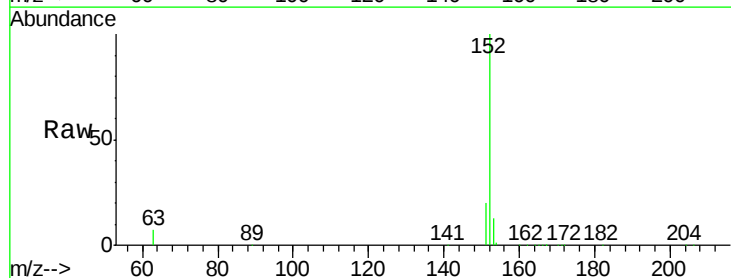
Instrument :
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PT-BN-WPDL

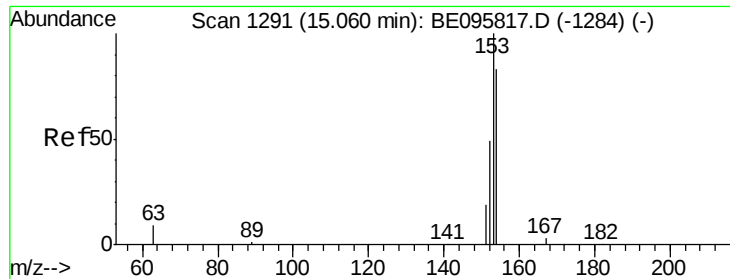
Tot Ion:172 Resp: 17762
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 22.1 21.8 32.8



#16
Acenaphthylene
Concen: 3.689 ng
RT: 14.73 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

Tgt Ion:152 Resp: 44308
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.8 10.5 15.7

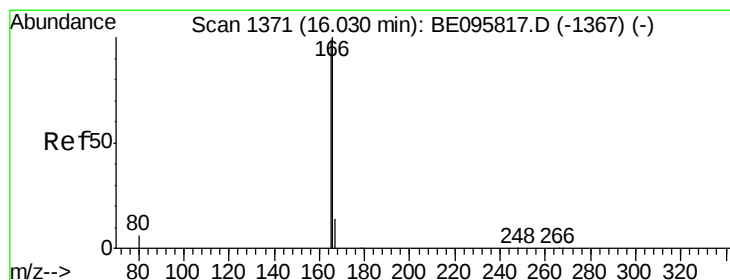
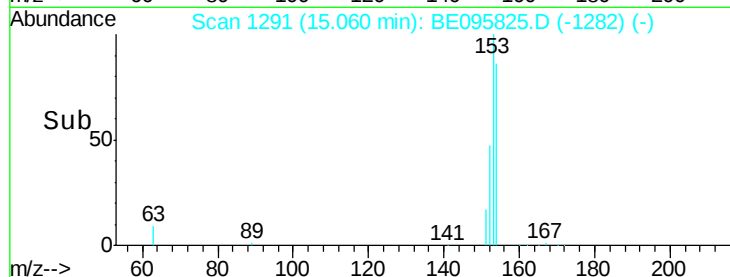
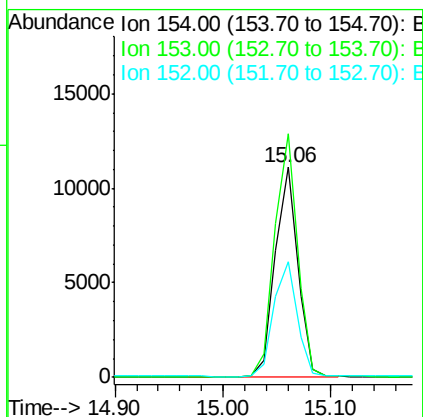
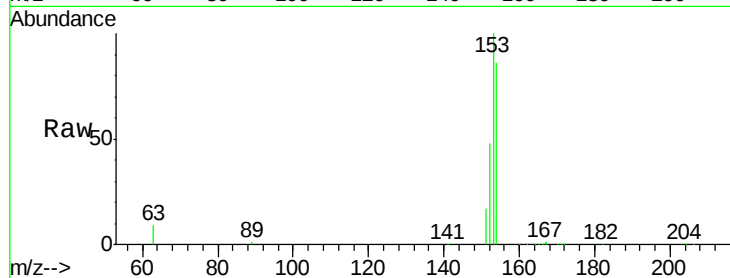




#17
Acenaphthene
Concen: 2.201 ng
RT: 15.06 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

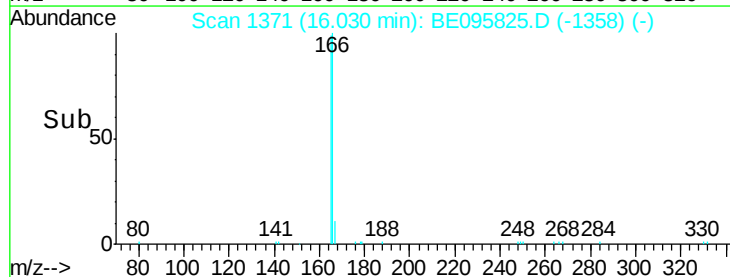
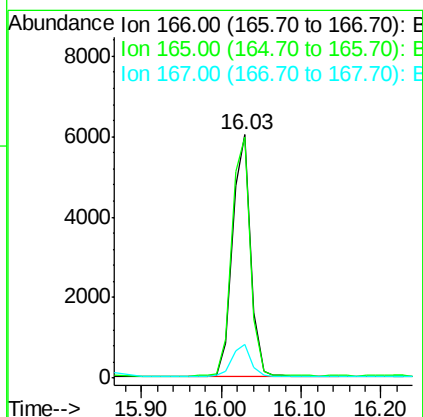
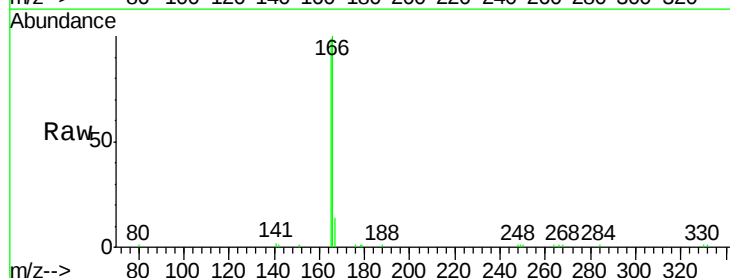
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BNA_E
ClientSampleId :
PT-BN-WPDL

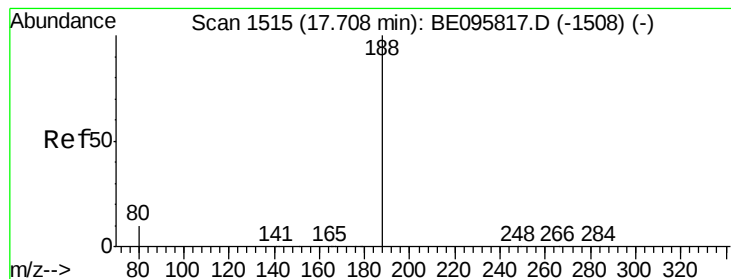
Tot Ion:154 Resp: 16120
Ion Ratio Lower Upper
154 100
153 116.7 89.2 133.8
152 56.8 42.0 63.0



#18
Fluorene
Concen: 0.968 ng
RT: 16.03 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

Tgt Ion:166 Resp: 9331
Ion Ratio Lower Upper
166 100
165 101.9 77.8 116.6
167 13.6 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

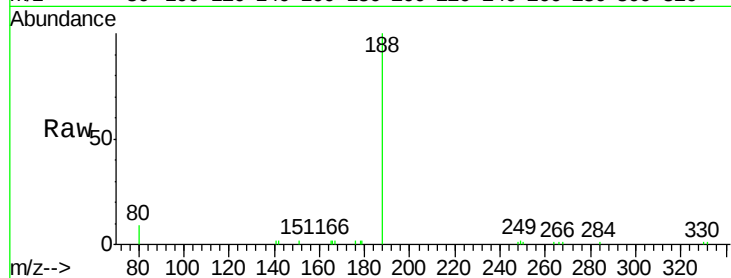
Tot Ion:188 Resp: 5536

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

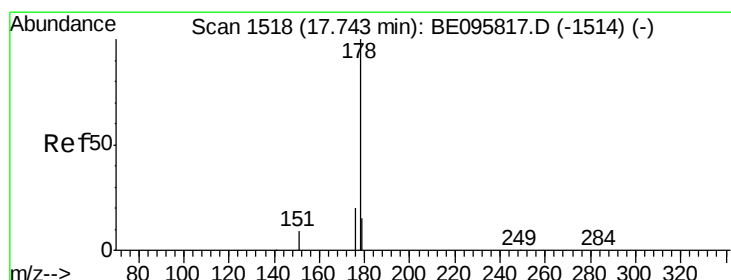
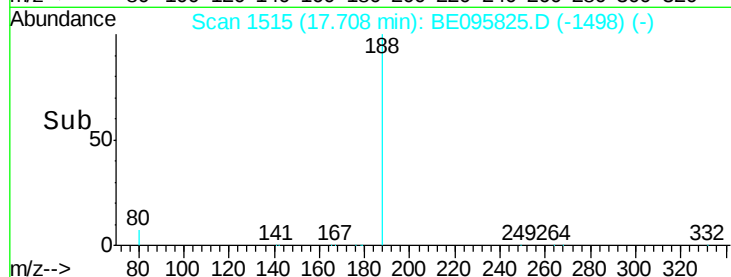
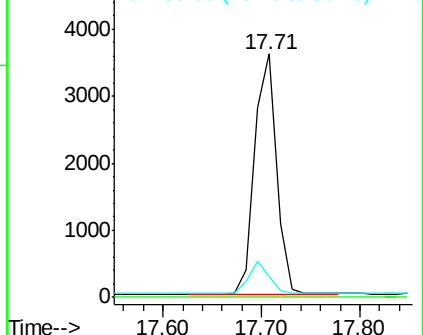
80 8.8 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 1.730 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

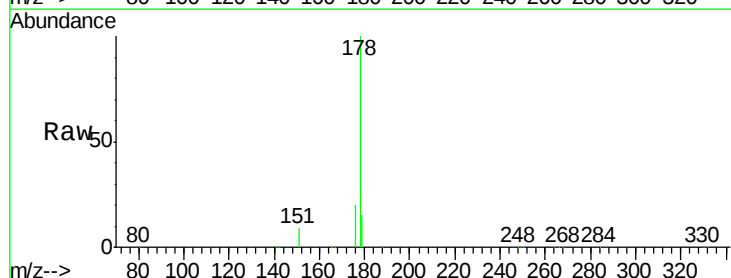
Tgt Ion:178 Resp: 28665

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

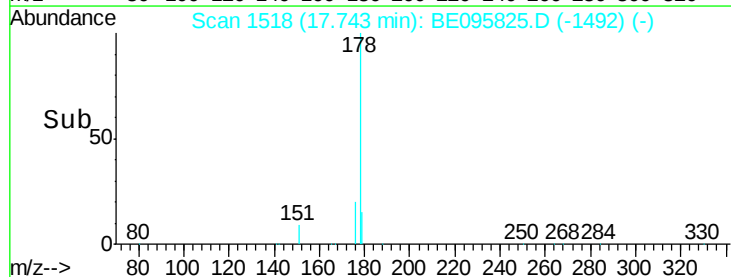
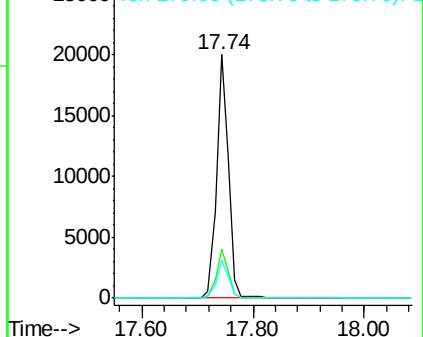
179 14.9 11.8 17.6

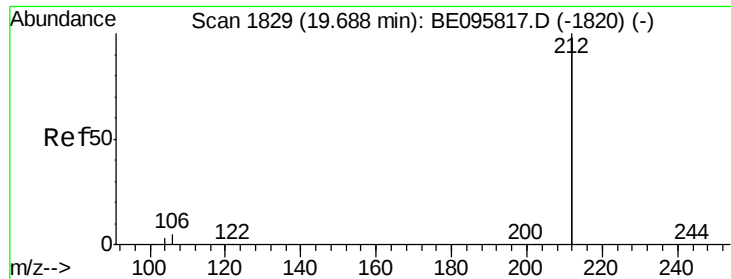


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.69 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

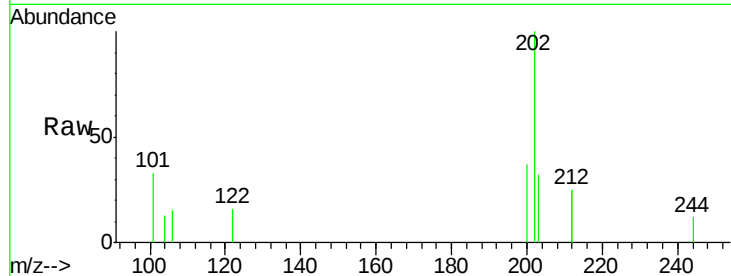
Tot Ion:212 Resp: 28

Ion Ratio Lower Upper

212 100

106 0.0 2.8 4.2#

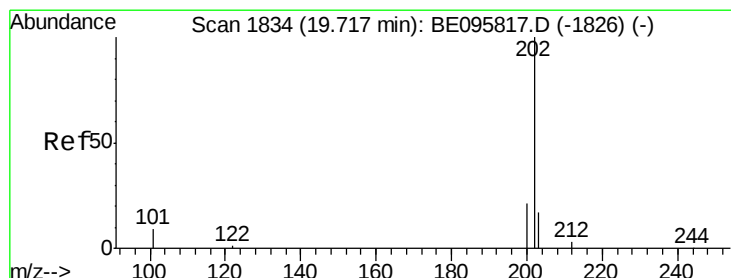
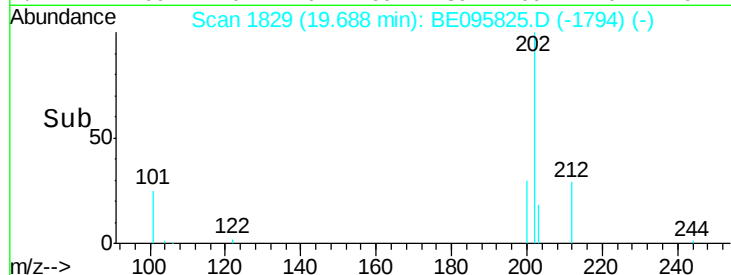
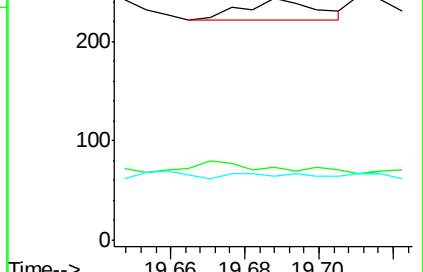
104 28.6 1.6 2.4#



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: 2.355 ng

RT: 19.72 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

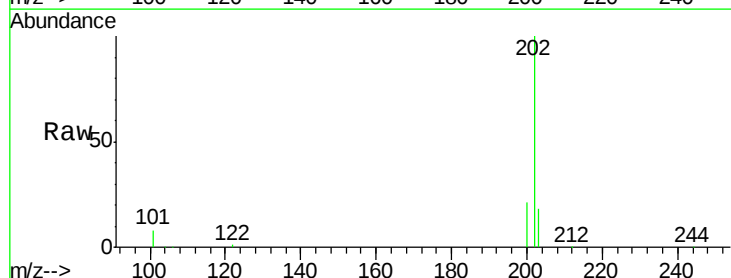
Tgt Ion:202 Resp: 54214

Ion Ratio Lower Upper

202 100

101 9.5 9.8 14.8#

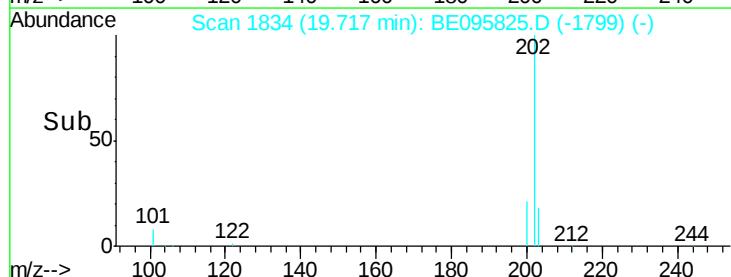
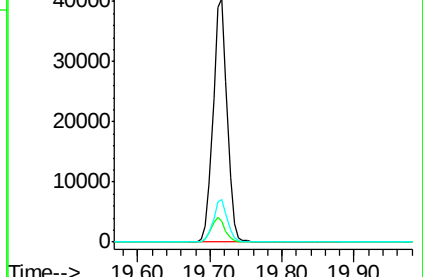
203 17.3 13.7 20.5

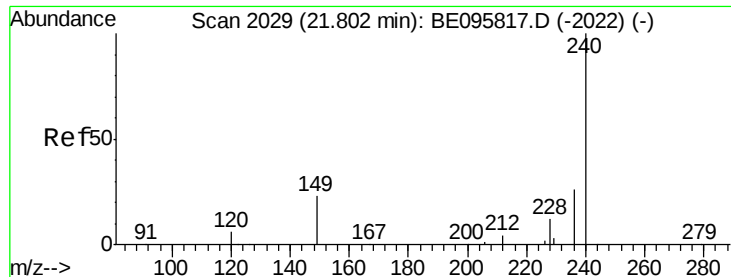


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.80 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

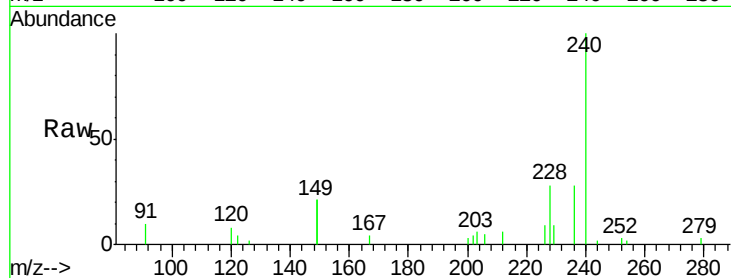
Tot Ion:240 Resp: 6874

Ion Ratio Lower Upper

240 100

120 7.6 5.5 8.3

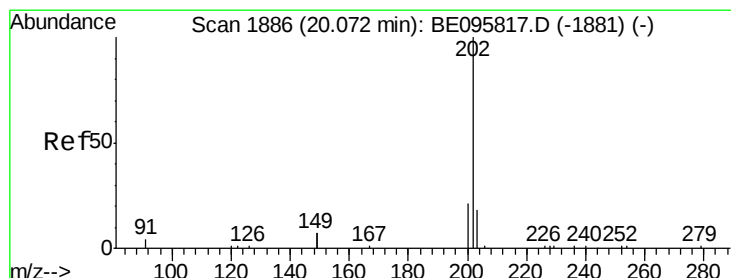
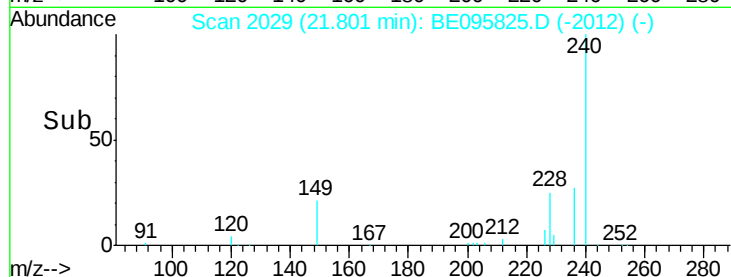
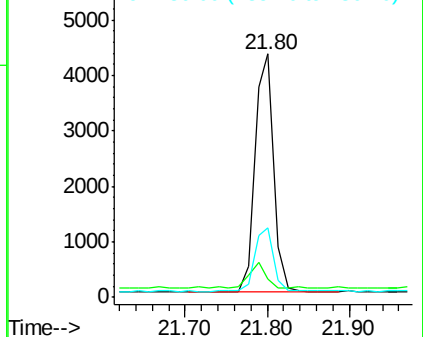
236 28.5 20.7 31.1



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: 1.328 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

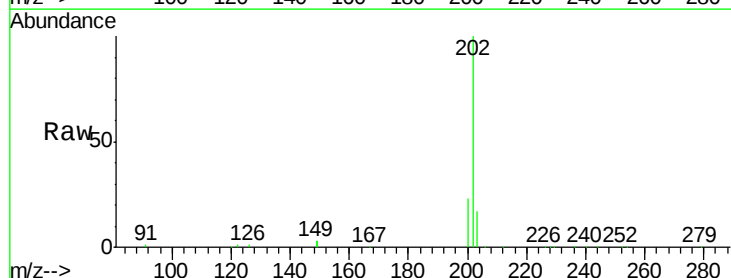
Tgt Ion:202 Resp: 37172

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

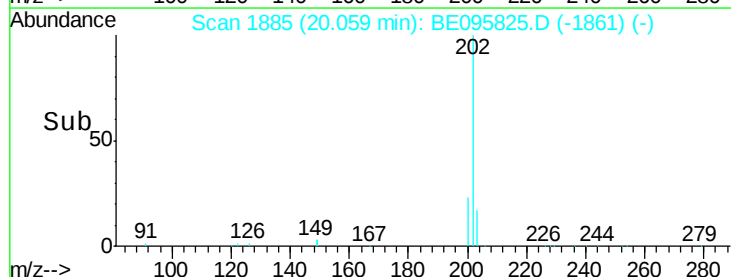
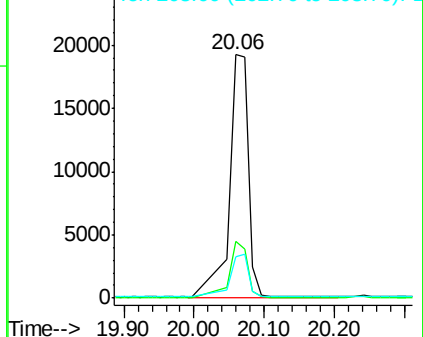
203 17.6 13.8 20.8

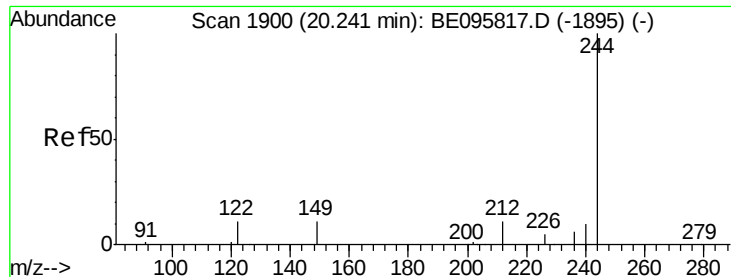


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 2.306 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

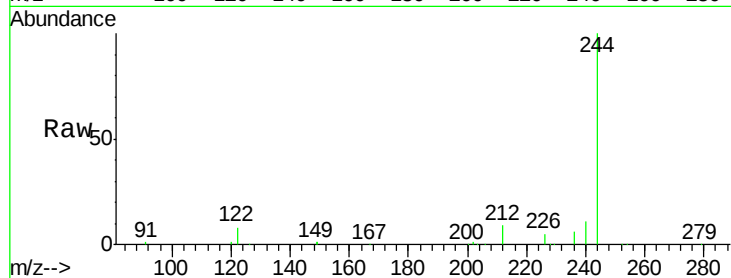
Tot Ion:244 Resp: 33664

Ion Ratio Lower Upper

244 100

212 9.1 25.4 38.0#

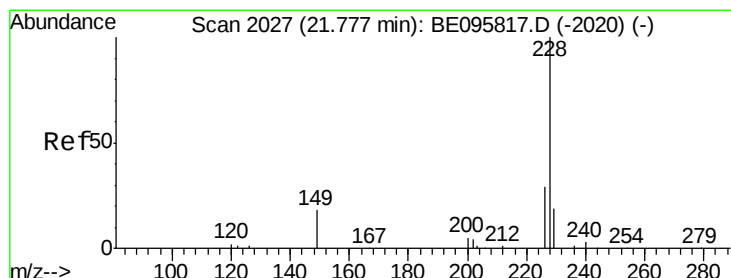
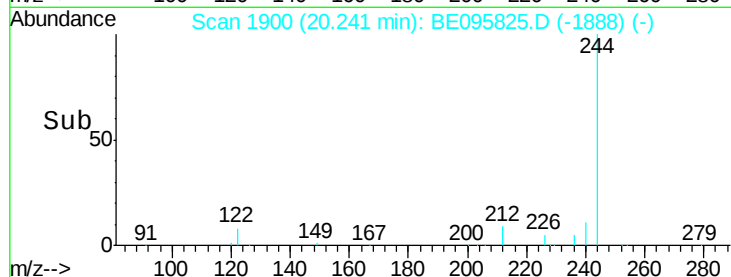
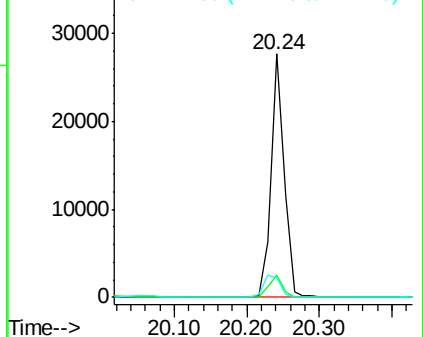
122 7.9 8.1 12.1#



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: 1.598 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

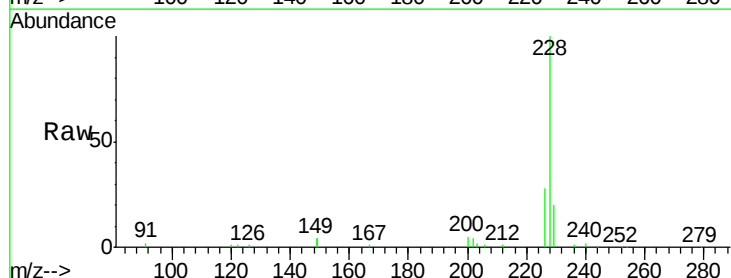
Tgt Ion:228 Resp: 38084

Ion Ratio Lower Upper

228 100

226 27.8 24.0 36.0

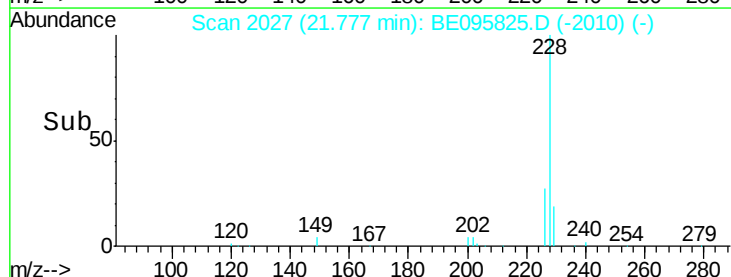
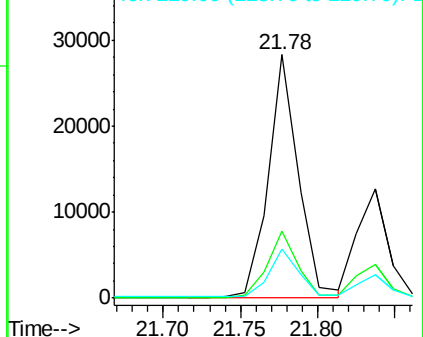
229 19.9 16.0 24.0

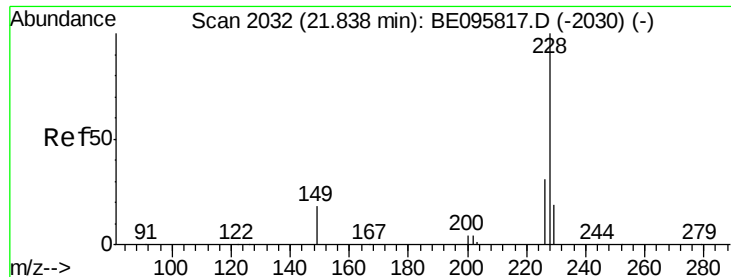


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

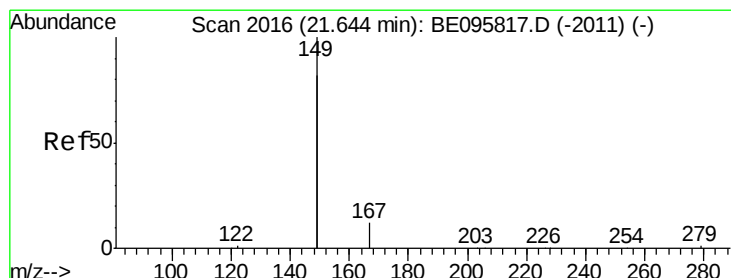
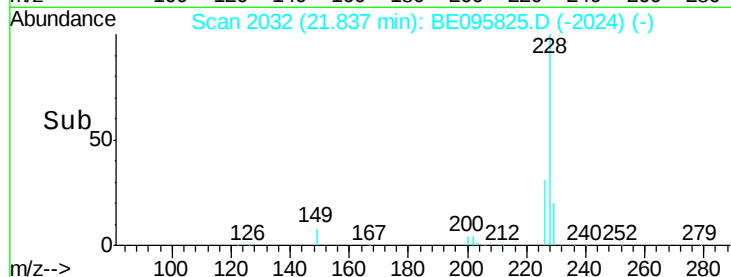
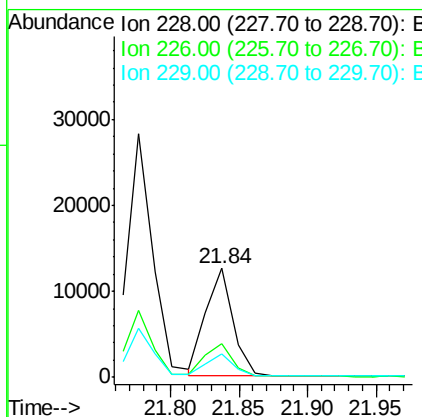
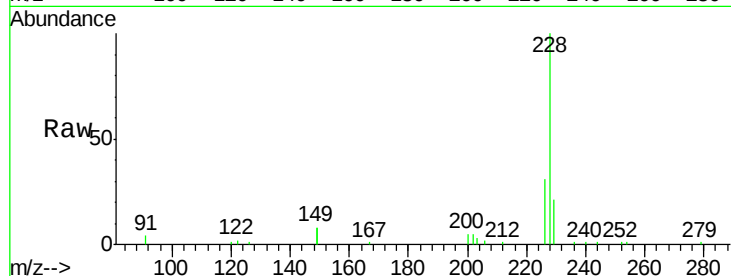




#31
Chrysene
Concen: 0.802 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

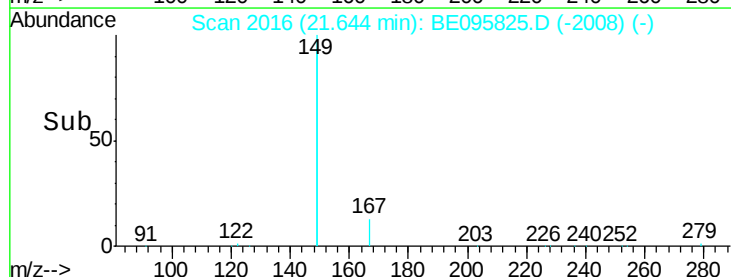
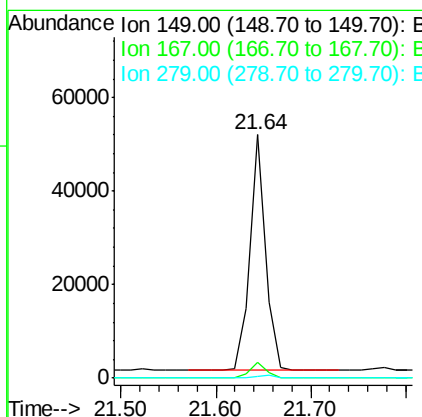
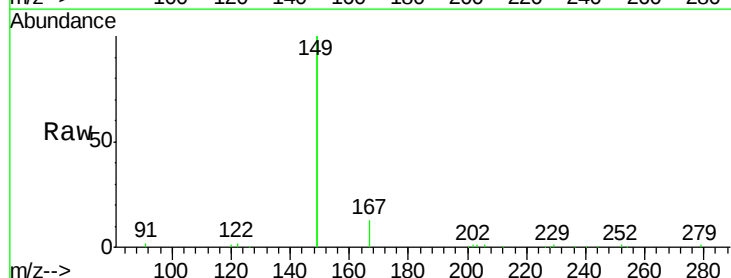
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

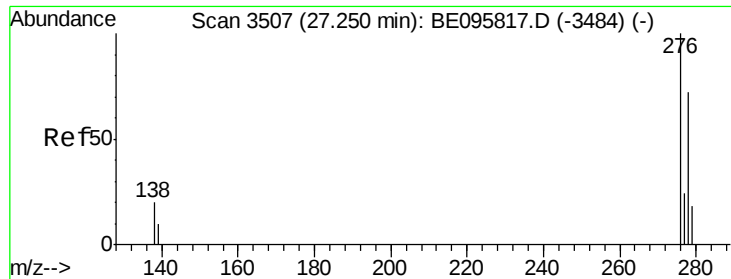
Tot Ion:228 Resp: 17449
Ion Ratio Lower Upper
228 100
226 31.4 24.0 36.0
229 21.0 16.0 24.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.790 ng
RT: 21.64 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

Tgt Ion:149 Resp: 57594
Ion Ratio Lower Upper
149 100
167 6.7 5.4 8.0
279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.624 ng

RT: 27.24 min Scan# 3503

Delta R.T. -0.01 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

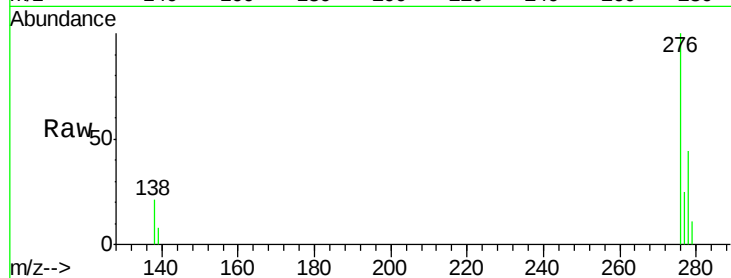
Tot Ion:276 Resp: 38055

Ion Ratio Lower Upper

276 100

138 20.2 22.5 33.7#

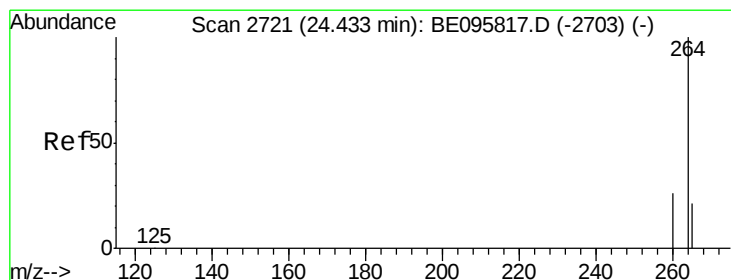
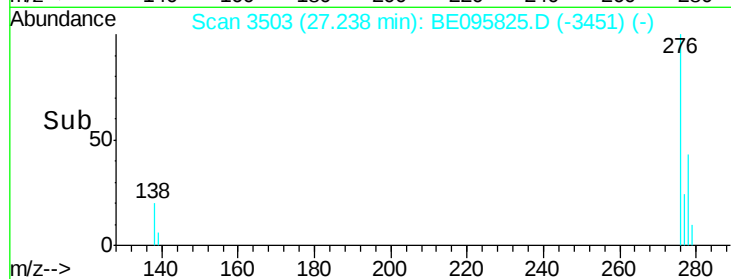
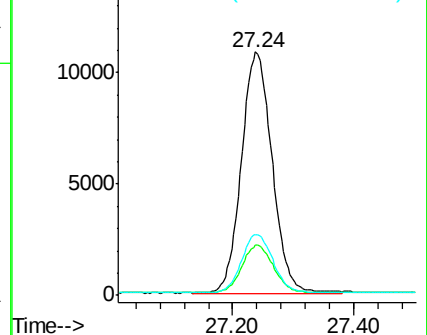
277 24.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.43 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

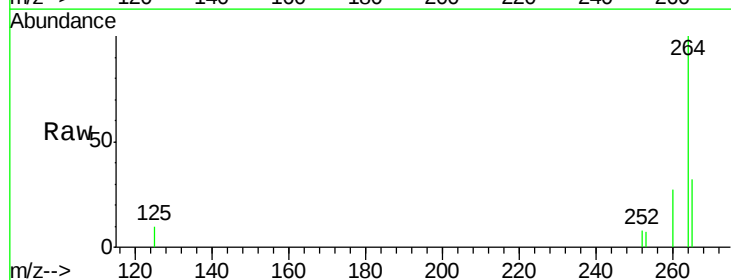
Tgt Ion:264 Resp: 6485

Ion Ratio Lower Upper

264 100

260 27.1 20.5 30.7

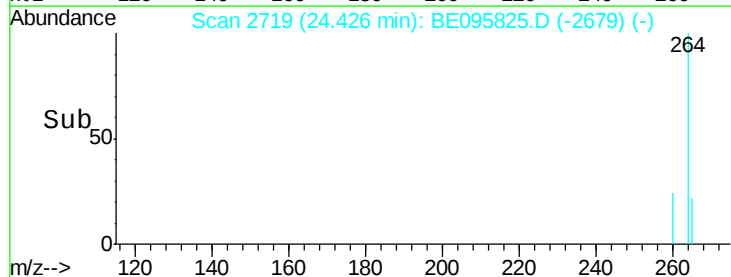
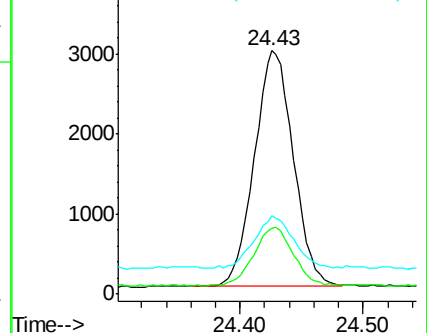
265 32.2 22.8 34.2

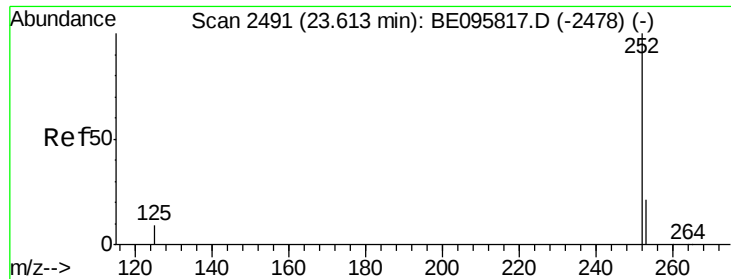


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

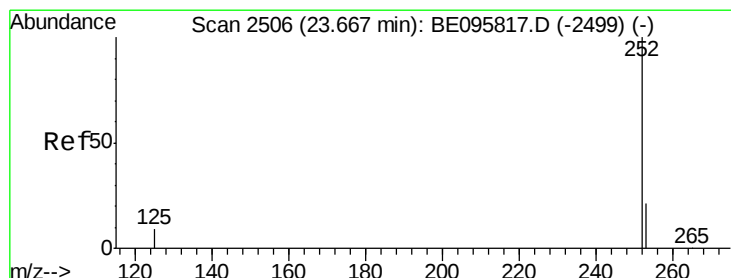
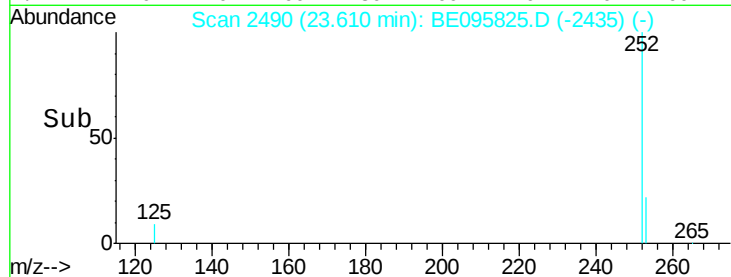
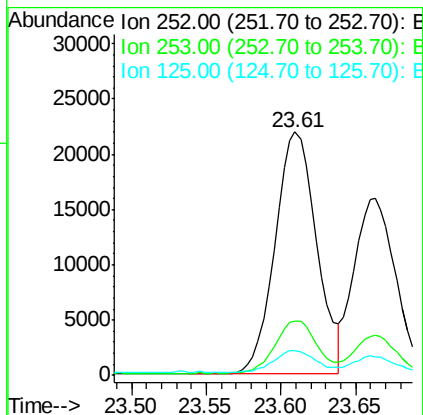
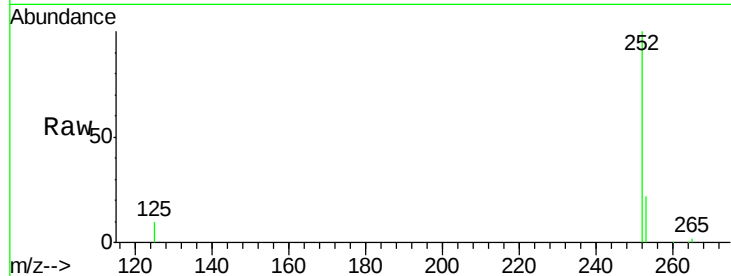




#35
Benzo(b)fluoranthene
Concen: 1.980 ng
RT: 23.61 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

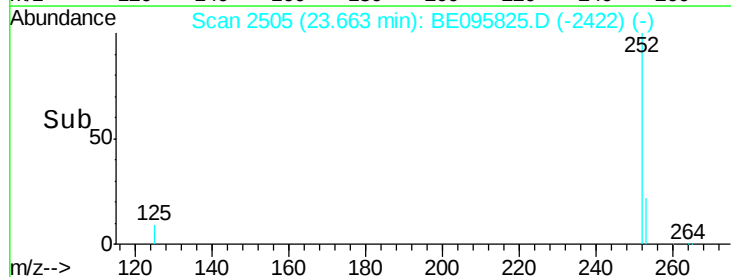
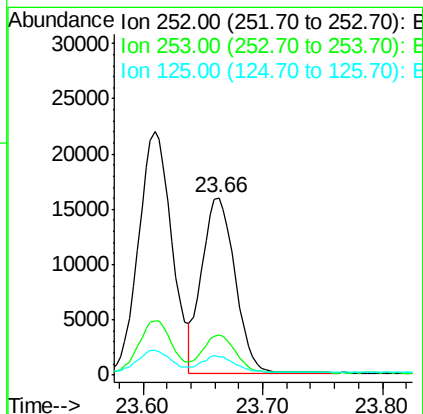
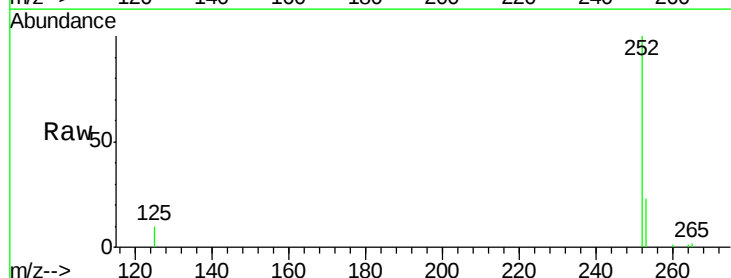
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

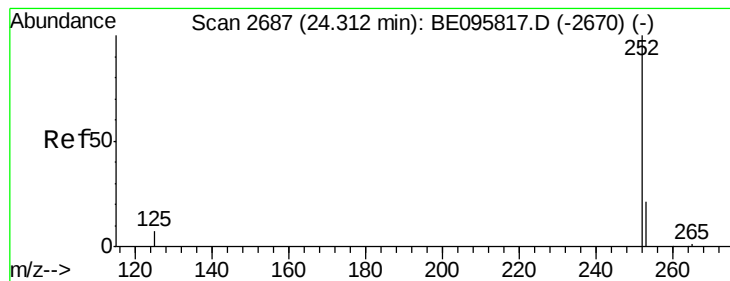
Tot Ion:252 Resp: 42478
Ion Ratio Lower Upper
252 100
253 22.4 20.0 30.0
125 10.1 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 1.426 ng
RT: 23.66 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BE095825.D
Acq: 23 Mar 2018 15:44

Tgt Ion:252 Resp: 30593
Ion Ratio Lower Upper
252 100
253 22.5 16.0 24.0
125 10.3 8.0 12.0





#37

Benzo(a)pyrene

Concen: 3.036 ng

RT: 24.31 min Scan# 2686

Delta R.T. -0.00 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

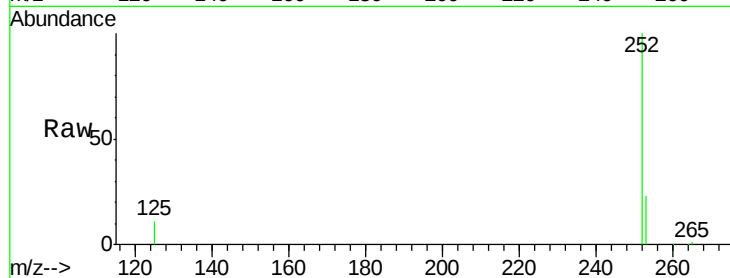
Tot Ion:252 Resp: 61054

Ion Ratio Lower Upper

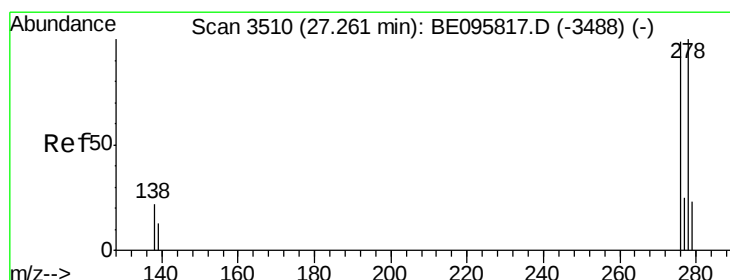
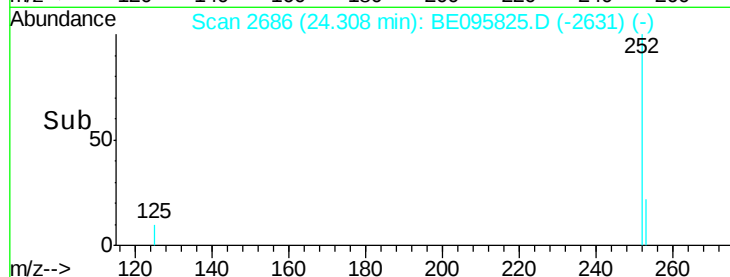
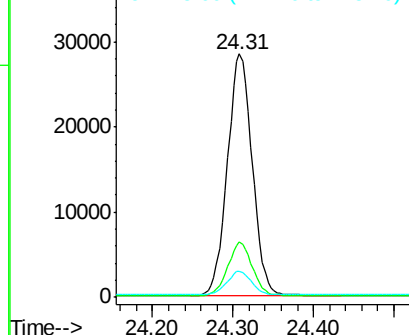
252 100

253 22.6 16.0 24.0

125 10.9 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



#38

Dibenzo(a,h)anthracene

Concen: 1.181 ng

RT: 27.26 min Scan# 3508

Delta R.T. -0.01 min

Lab File: BE095825.D

Acq: 23 Mar 2018 15:44

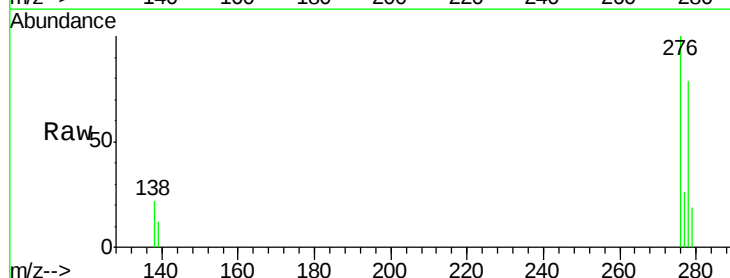
Tgt Ion:278 Resp: 22569

Ion Ratio Lower Upper

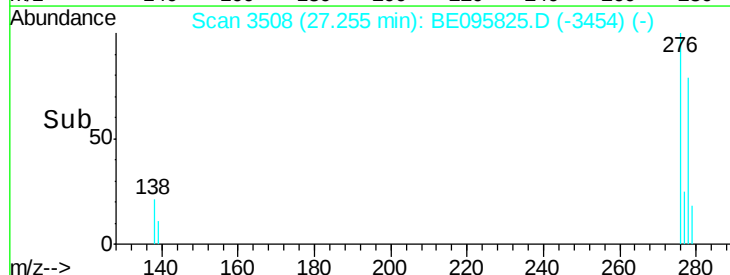
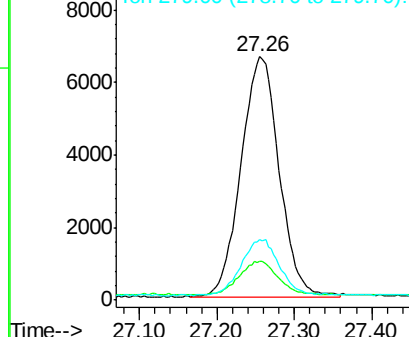
278 100

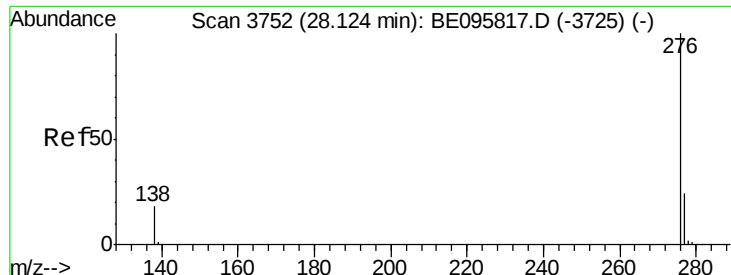
139 15.8 16.0 24.0#

279 24.8 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.397 ng

RT: 28.12 min Scan# 3750

Delta R.T. -0.01 min

Lab File: BE095825.D

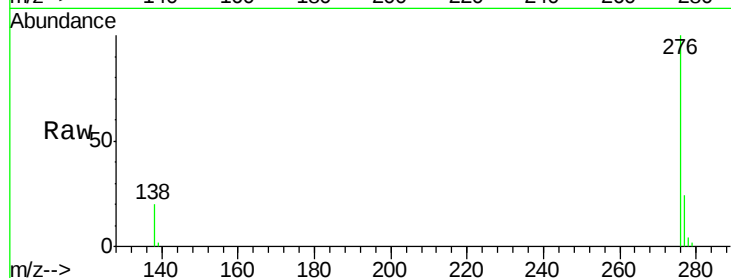
Acq: 23 Mar 2018 15:44

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL



Tot Ion:276 Resp: 26801

Ion Ratio Lower Upper

276 100

277 24.4 16.0 24.0#

138 19.6 20.0 30.0#

