

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE090718\
 Data File : BE097434.D
 Acq On : 7 Sep 2018 23:23
 Operator : SJ/JU
 Sample : J4688-13DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 08 02:50:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 08 02:48:59 2018
 Response via : Initial Calibration

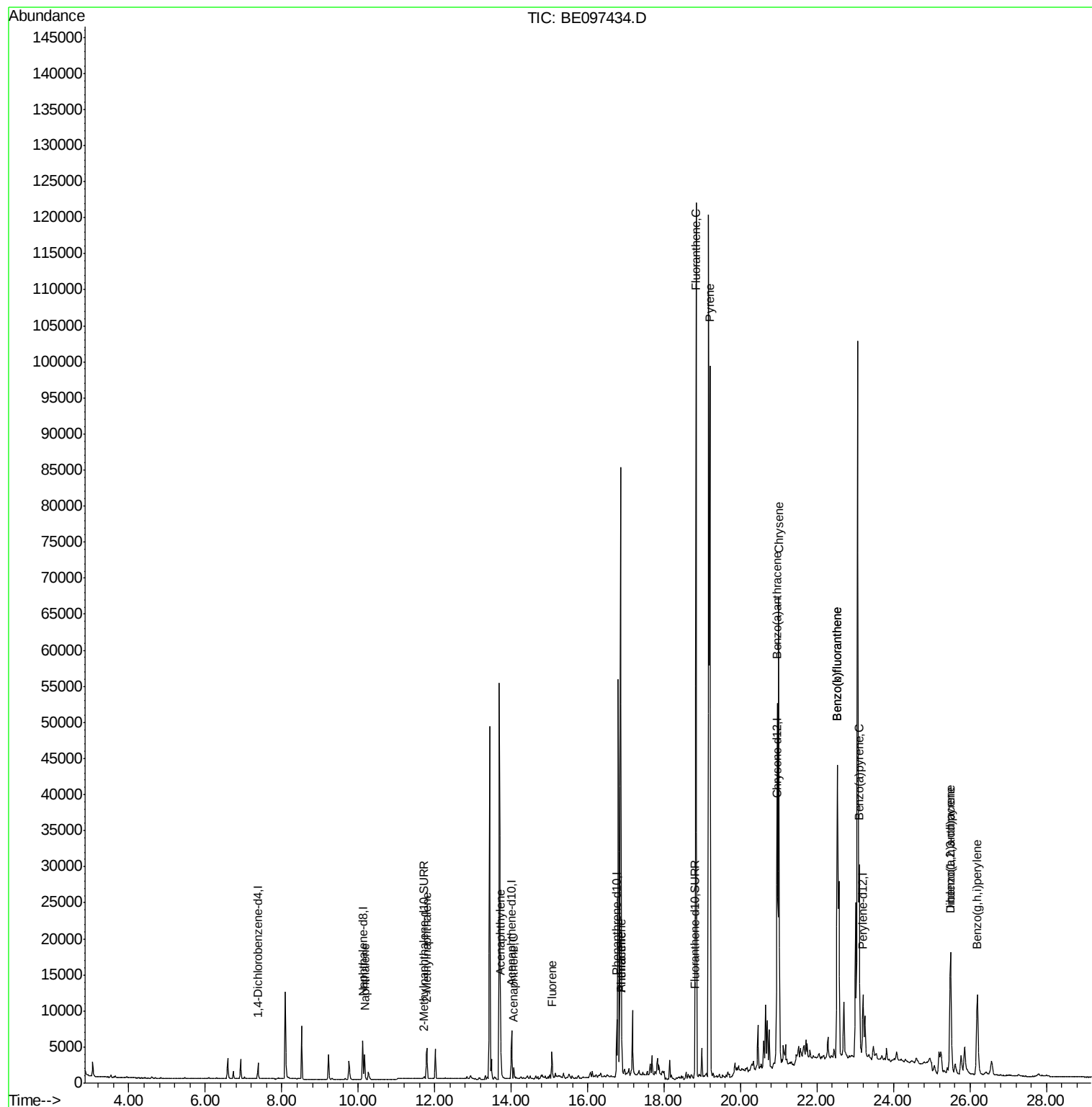
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1039	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5435	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3484	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	9214	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	10597	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	11843	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	467	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	1555	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.17	128	5008	0.378	ng/ul#	95
5) 2-Methylnaphthalene	11.79	142	3778	0.451	ng/ul	98
7) Acenaphthylene	13.72	152	6618	0.522	ng/ul	98
8) Acenaphthene	14.07	153	1041	0.095	ng/ul#	92
9) Fluorene	15.07	166	2039	0.163	ng/ul#	88
12) Phenanthrene	16.90	178	5208	0.220	ng/ul	93
13) Anthracene	16.90	178	5035	0.252	ng/ul	95
15) Fluoranthene	18.83	202	134564	4.416	ng/ul	84
17) Pyrene	19.20	202	104539	3.666	ng/ul#	78
18) Benzo(a)anthracene	20.95	228	39757	1.460	ng/ul#	83
19) Chrysene	21.01	228	57583	1.836	ng/ul	99
21) Benzo(b)fluoranthene	22.53	252	90462	2.852	ng/ul	84
22) Benzo(k)fluoranthene	22.53	252	90462	2.558	ng/ul#	86
23) Benzo(a)pyrene	23.10	252	35149	1.198	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.49	276	28193	0.741	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.50	278	7352	0.228	ng/ul#	94
26) Benzo(a,h,i)perylene	26.19	276	25192	0.777	ng/ul#	92

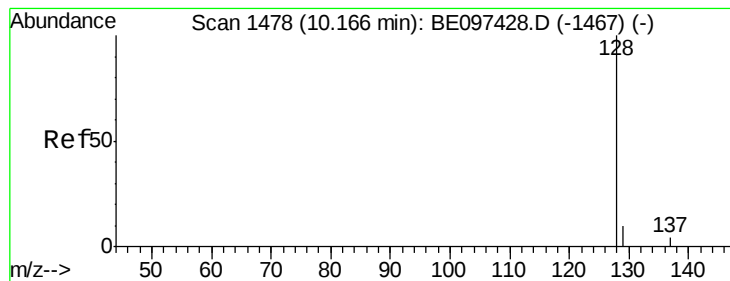
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.378 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

Instrument :

BNA_E

ClientSampleId :

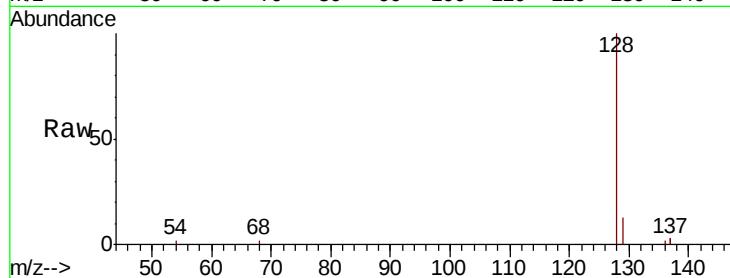
Tot Ion:128 Resp: 5008

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

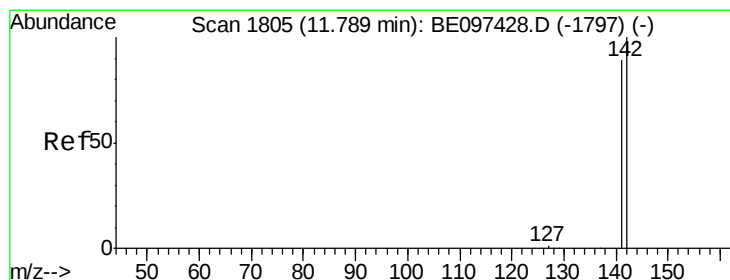
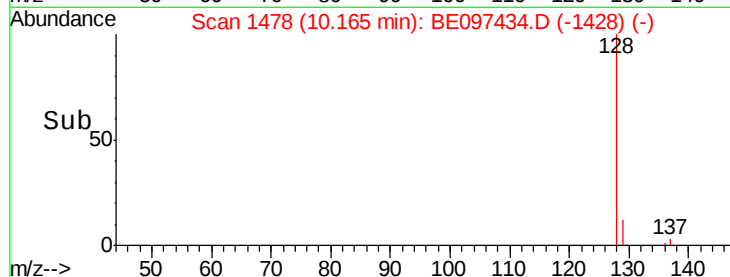
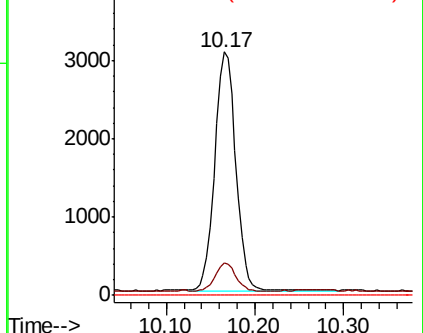
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.451 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BE097434.D

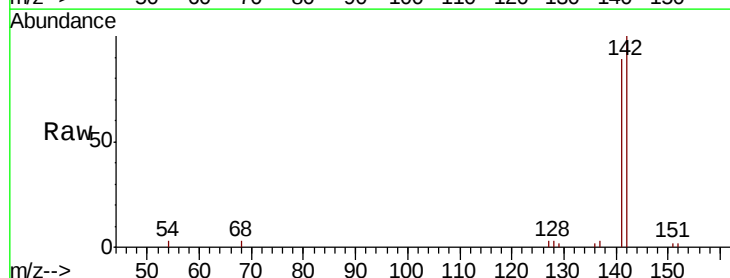
Acq: 7 Sep 2018 23:23

Tgt Ion:142 Resp: 3778

Ion Ratio Lower Upper

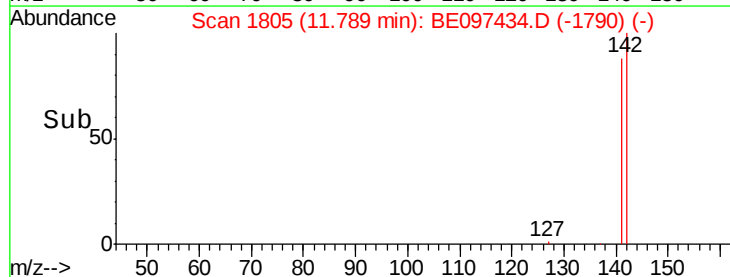
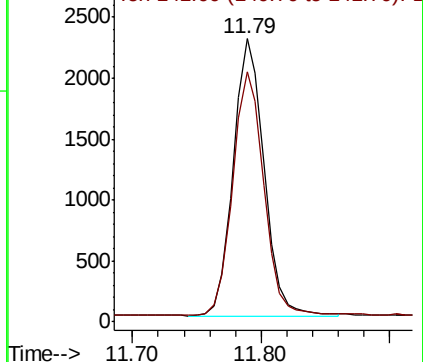
142 100

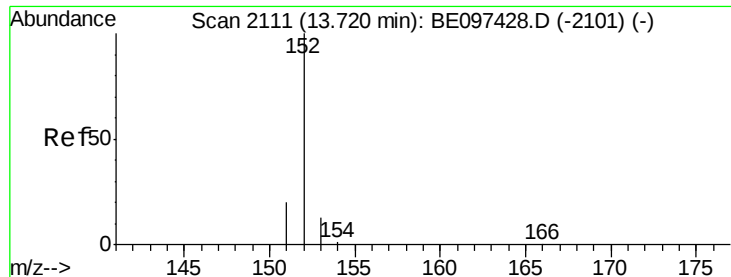
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.522 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

Instrument :

BNA_E

ClientSampleId :

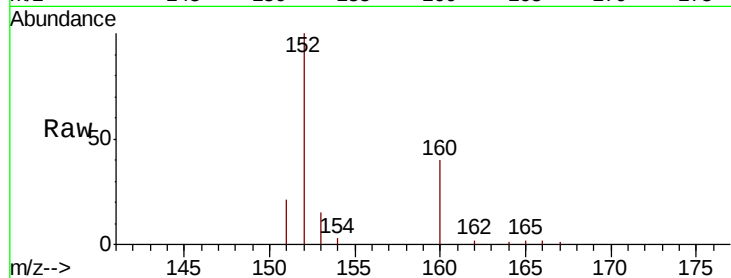
Tot Ion:152 Resp: 6618

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

153 15.1 12.8 19.2

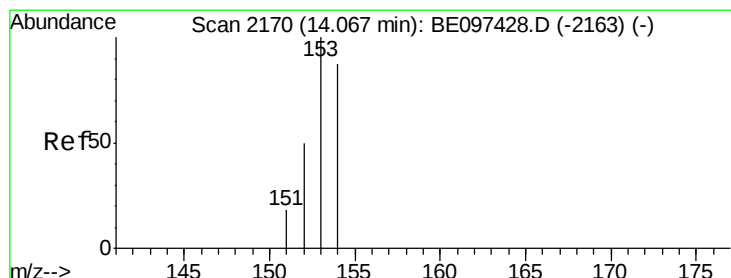
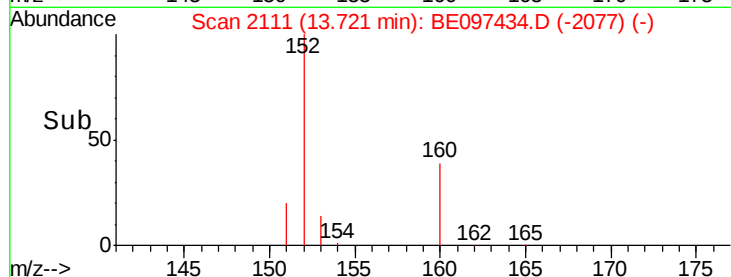
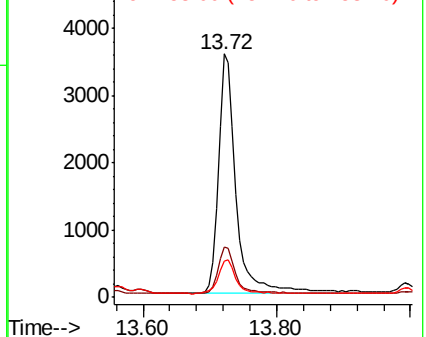


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.095 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

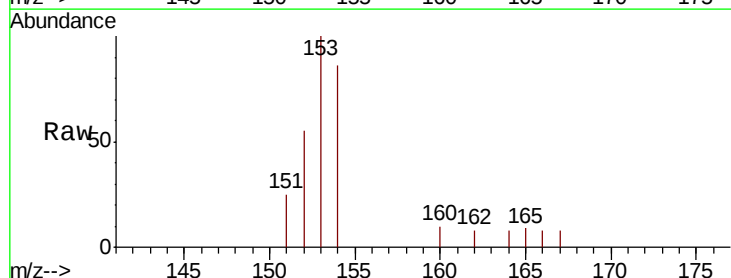
Tgt Ion:153 Resp: 1041

Ion Ratio Lower Upper

153 100

152 55.3 36.0 54.0#

154 86.2 72.0 108.0

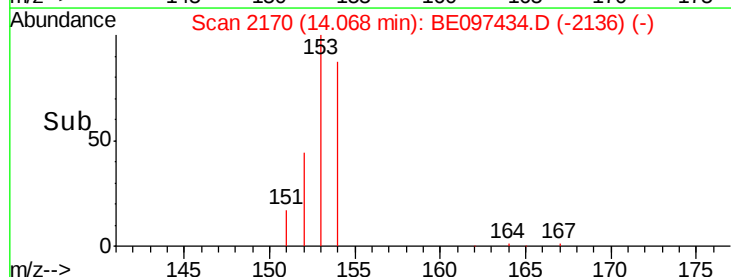
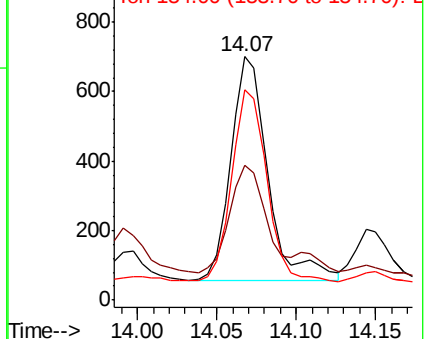


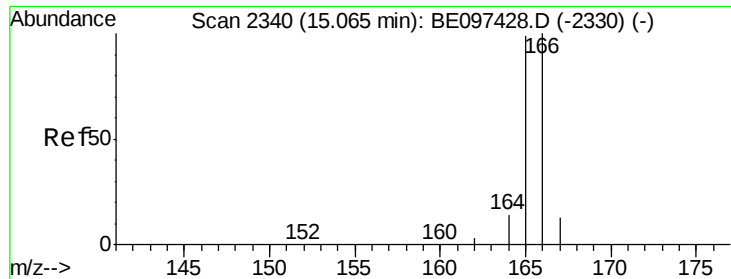
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

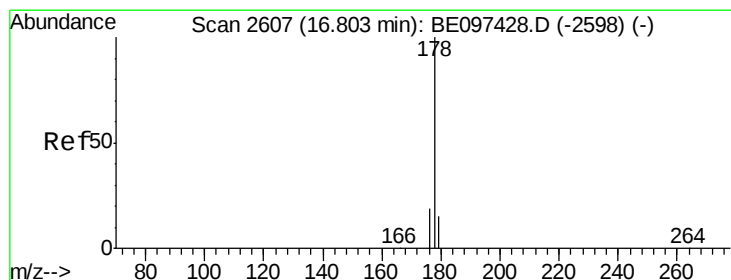
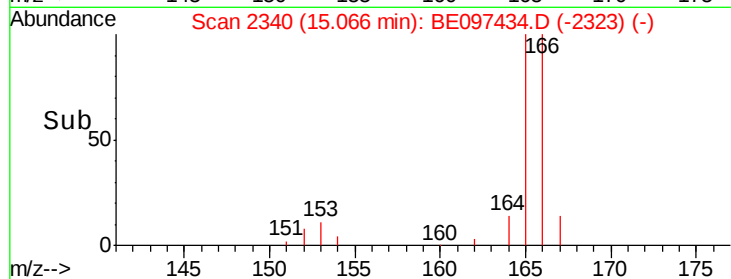
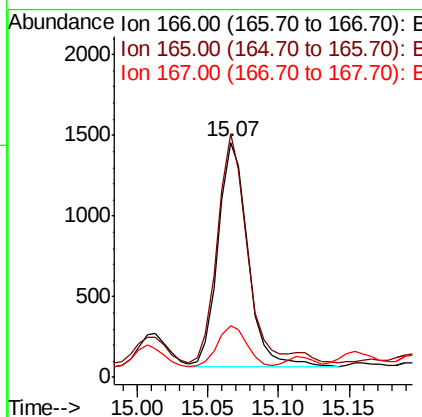
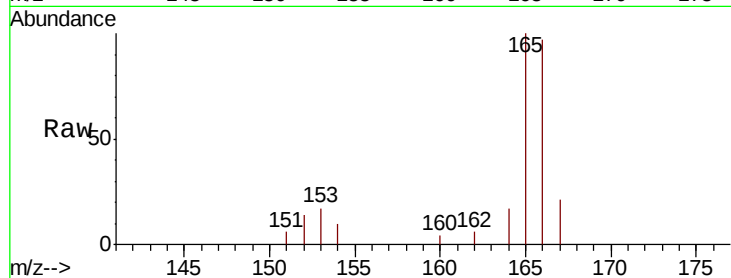




#9
Fluorene
 Concen: 0.163 ng/ul
 RT: 15.07 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: BE097434.D
 Acq: 7 Sep 2018 23:23

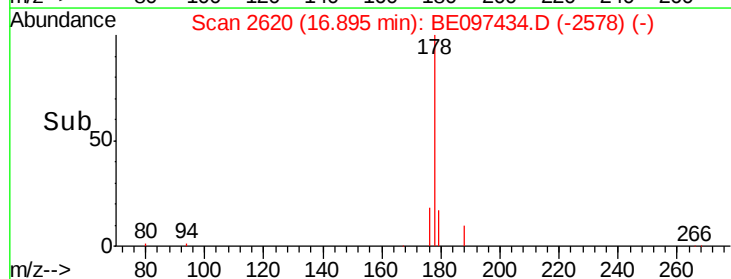
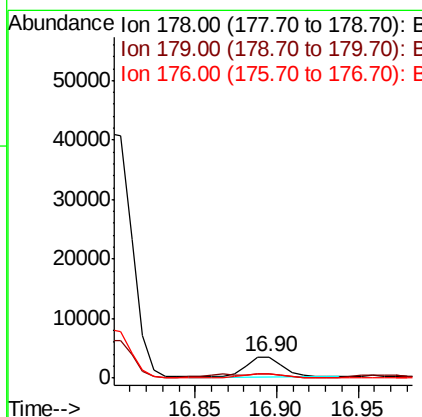
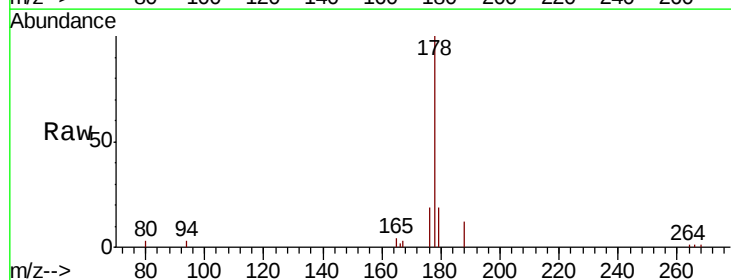
Instrument :
 BNA_E
 ClientSampleId :

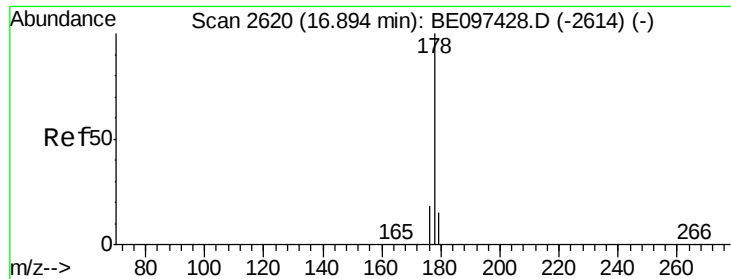
Tot Ion:166 Resp: 2039
 Ion Ratio Lower Upper
 166 100
 165 103.5 73.4 110.2
 167 22.1 14.6 22.0#



#12
Phenanthrene
 Concen: 0.220 ng/ul
 RT: 16.90 min Scan# 2620
 Delta R.T. 0.09 min
 Lab File: BE097434.D
 Acq: 7 Sep 2018 23:23

Tgt Ion:178 Resp: 5208
 Ion Ratio Lower Upper
 178 100
 179 18.6 18.4 27.6
 176 19.1 13.6 20.4





#13

Anthracene

Concen: 0.252 ng/ul

RT: 16.90 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

Instrument :

BNA_E

ClientSampleId :

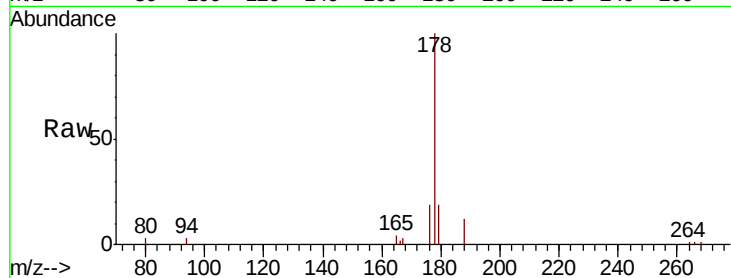
Tot Ion:178 Resp: 5035

Ion Ratio Lower Upper

178 100

179 18.6 18.1 27.1

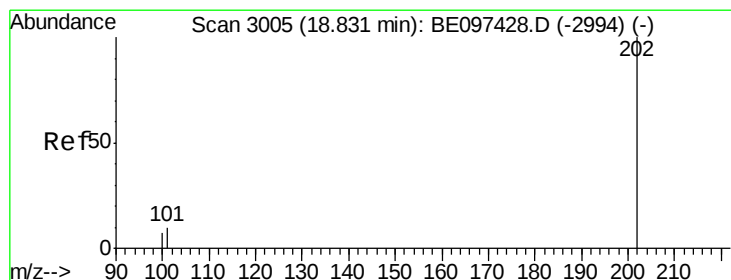
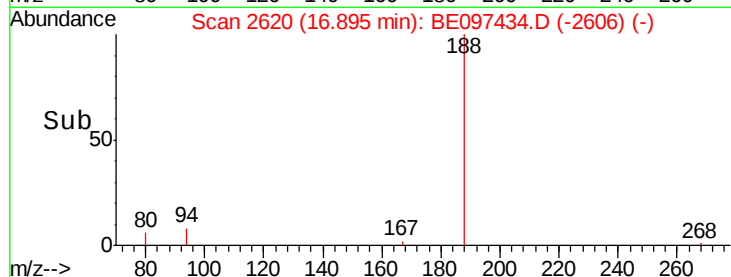
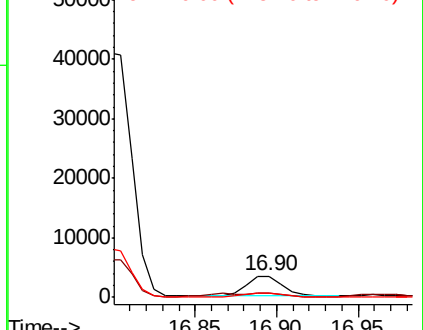
176 19.1 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 4.416 ng/ul

RT: 18.83 min Scan# 3005

Delta R.T. -0.00 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

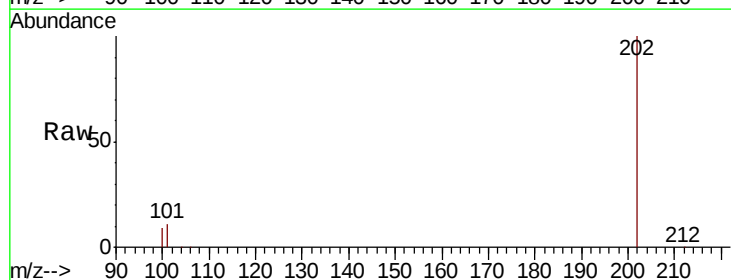
Tgt Ion:202 Resp: 134564

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

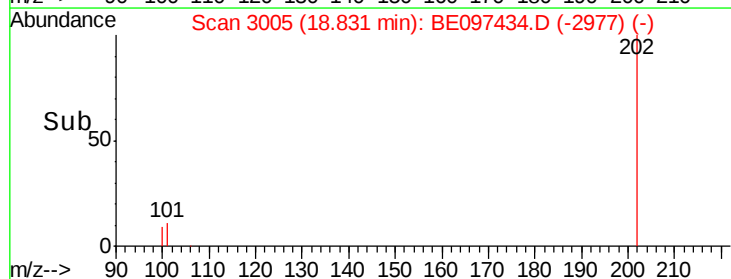
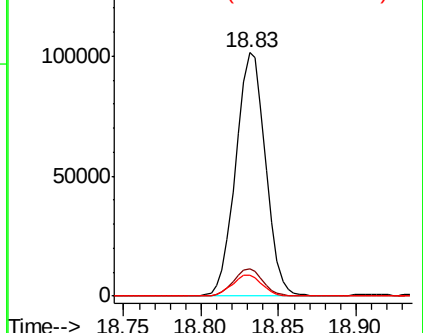
100 8.8 0.0 39.5

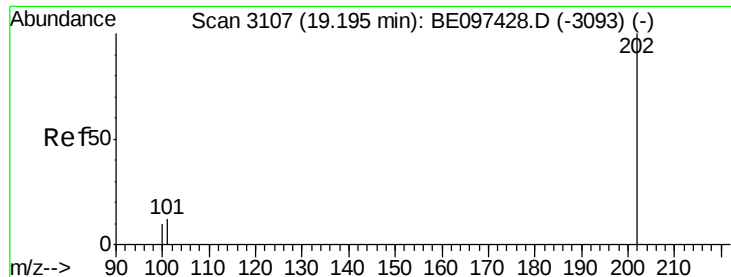


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

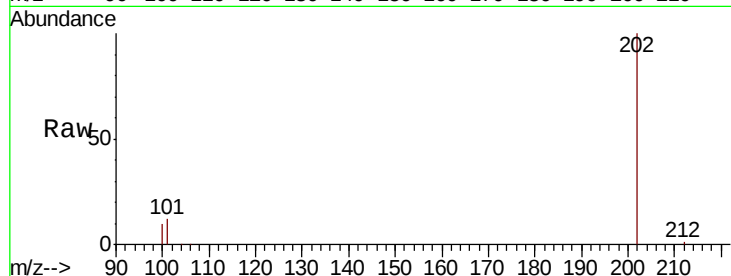




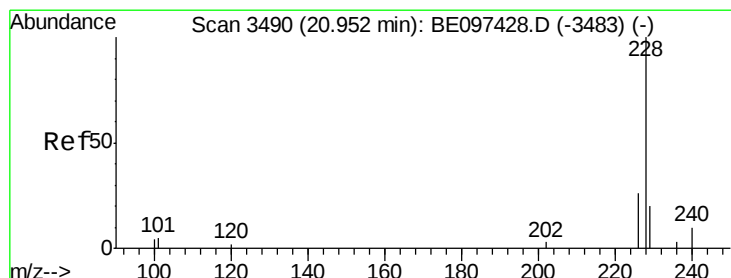
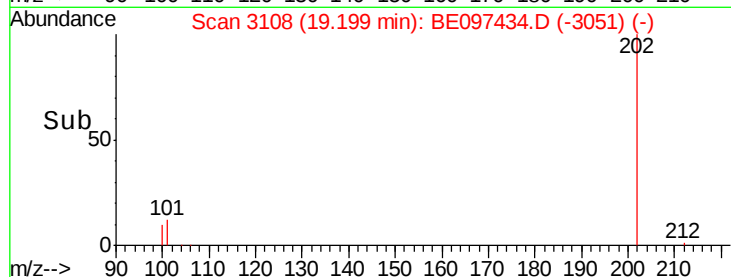
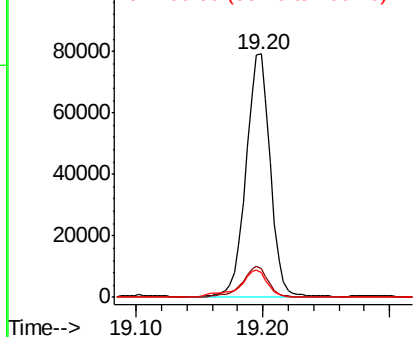
#17
Pvrene
Concen: 3.666 ng/ul
RT: 19.20 min Scan# 3108
Delta R.T. 0.00 min
Lab File: BE097434.D
Acq: 7 Sep 2018 23:23

Instrument :
BNA_E
ClientSampled :

Tot Ion:202 Resp: 104539
Ion Ratio Lower Upper
202 100
101 11.8 18.2 27.4#
100 10.0 15.6 23.4#

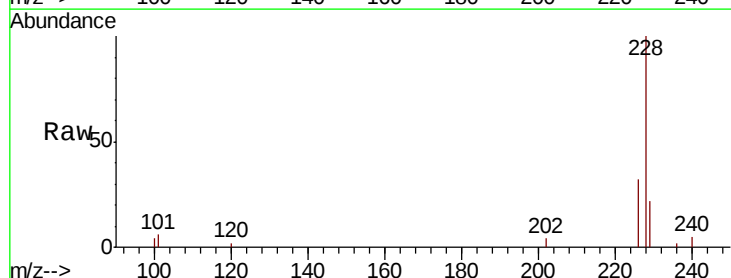


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE

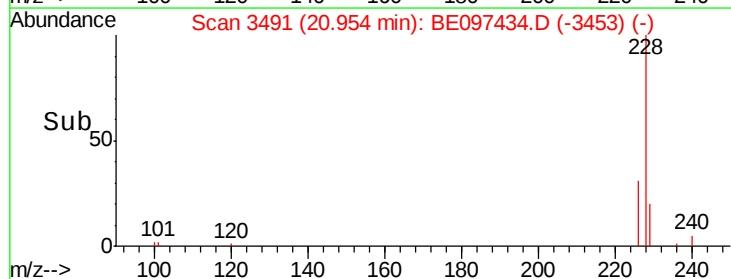
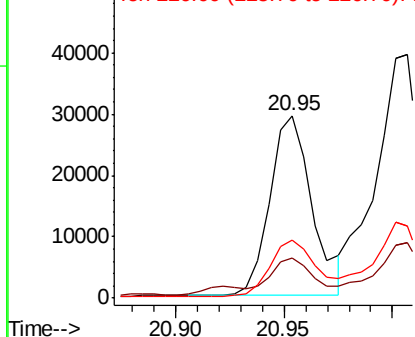


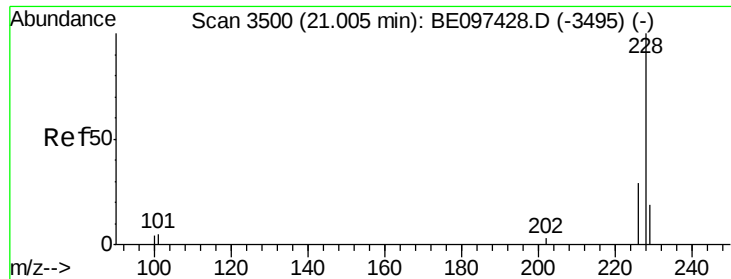
#18
Benzo(a)anthracene
Concen: 1.460 ng/ul
RT: 20.95 min Scan# 3491
Delta R.T. 0.00 min
Lab File: BE097434.D
Acq: 7 Sep 2018 23:23

Tgt Ion:228 Resp: 39757
Ion Ratio Lower Upper
228 100
229 21.9 22.8 34.2#
226 32.2 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

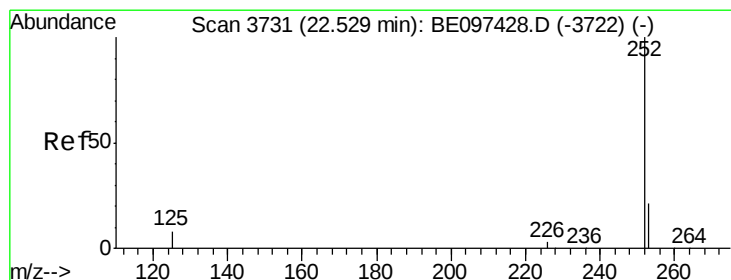
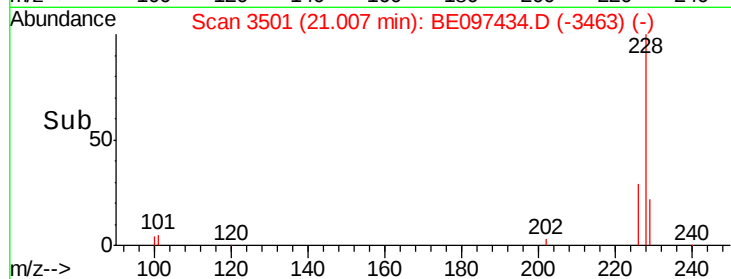
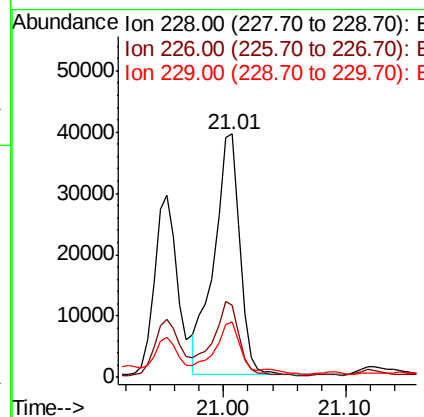
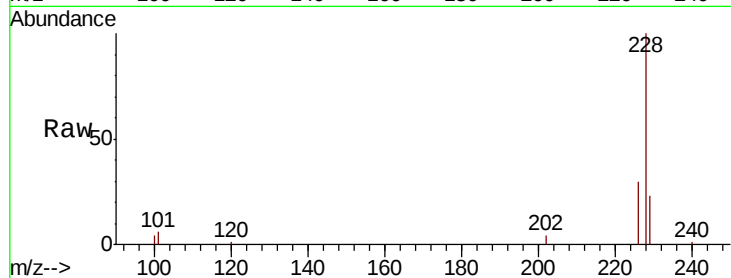




#19
Chrysene
Concen: 1.836 ng/ul
RT: 21.01 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BE097434.D
Acq: 7 Sep 2018 23:23

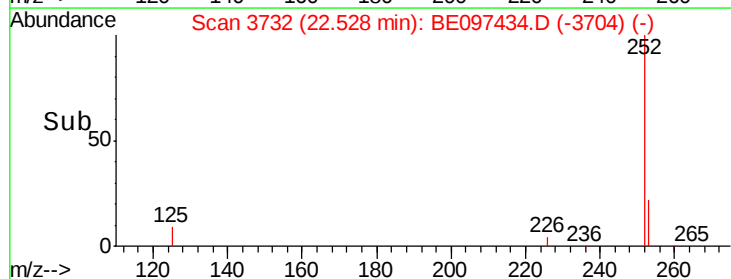
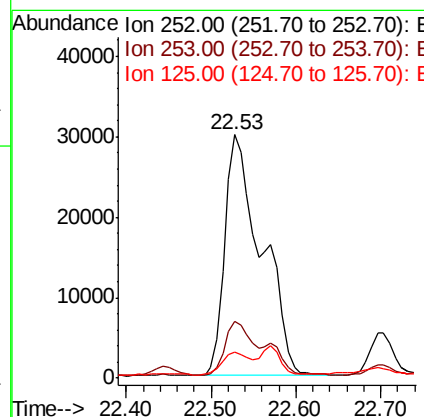
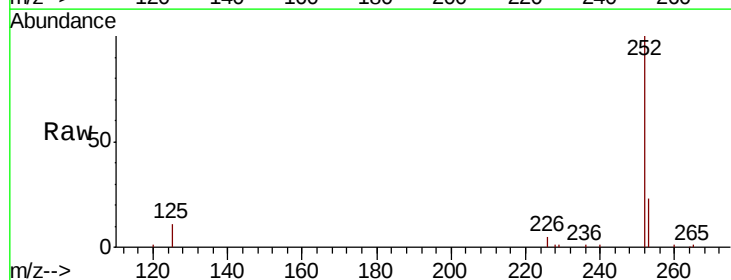
Instrument :
BNA_E
ClientSampleId :

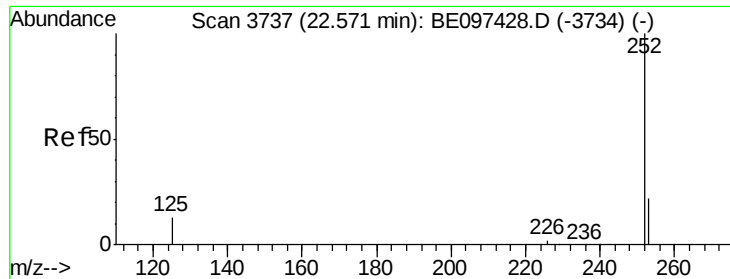
Tot Ion:228 Resp: 57583
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.0
229 22.8 17.7 26.5



#21
Benzo(b)fluoranthene
Concen: 2.852 ng/ul
RT: 22.53 min Scan# 3732
Delta R.T. -0.00 min
Lab File: BE097434.D
Acq: 7 Sep 2018 23:23

Tgt Ion:252 Resp: 90462
Ion Ratio Lower Upper
252 100
253 23.2 0.0 64.2
125 10.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 2.558 ng/ul

RT: 22.53 min Scan# 3732

Delta R.T. -0.04 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

Instrument :

BNA_E

ClientSampleId :

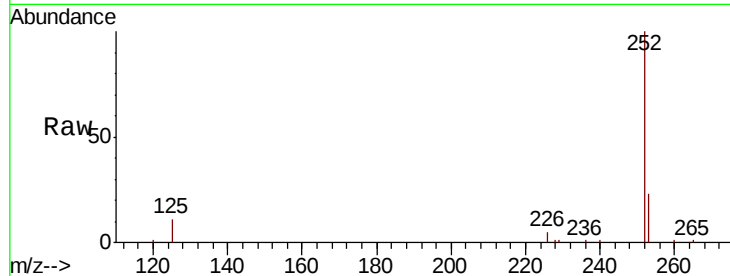
Tot Ion:252 Resp: 90462

Ion Ratio Lower Upper

252 100

253 23.2 24.5 36.7#

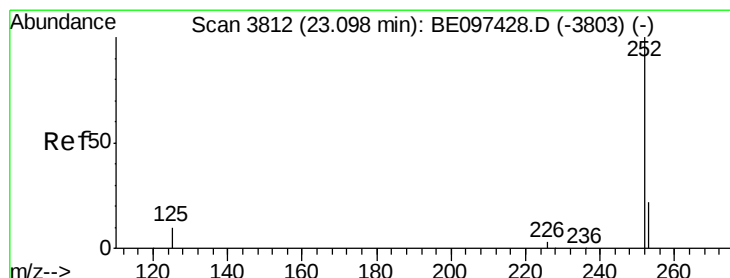
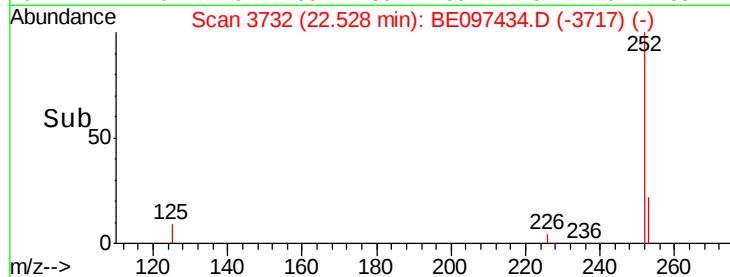
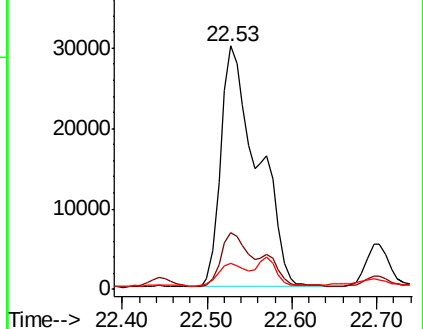
125 10.6 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 1.198 ng/ul

RT: 23.10 min Scan# 3814

Delta R.T. 0.01 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

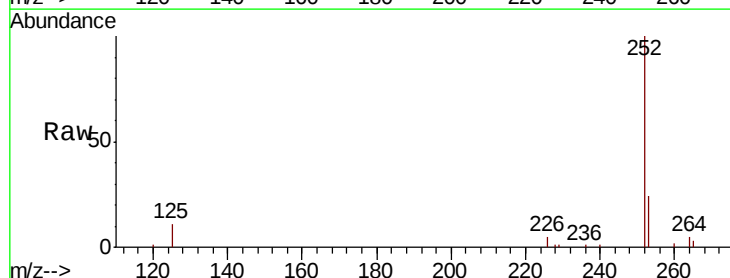
Tgt Ion:252 Resp: 35149

Ion Ratio Lower Upper

252 100

253 24.1 28.5 42.7#

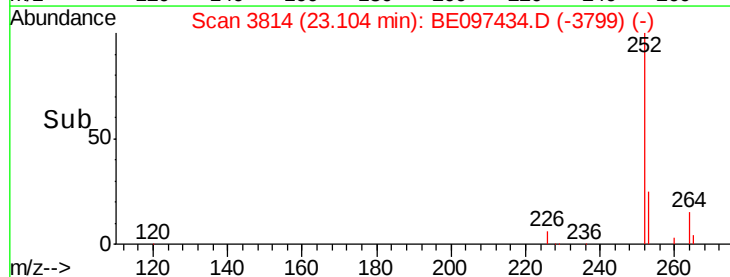
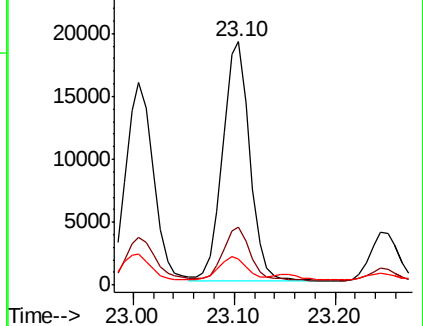
125 10.7 18.1 27.1#

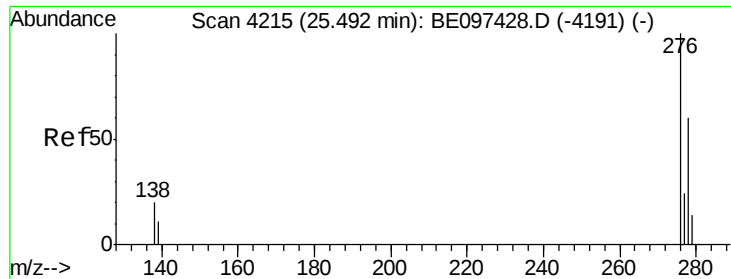


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

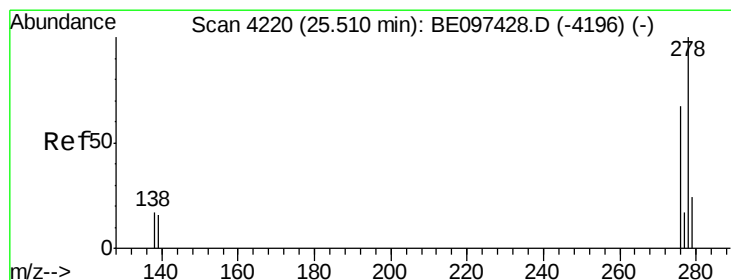
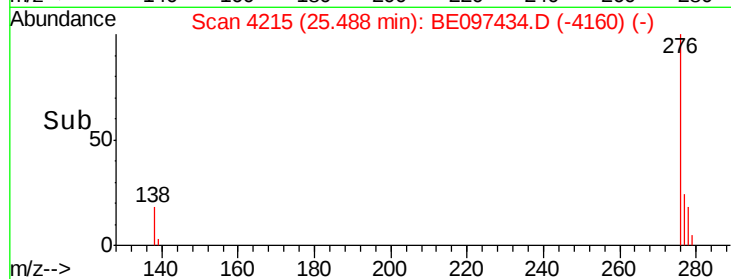
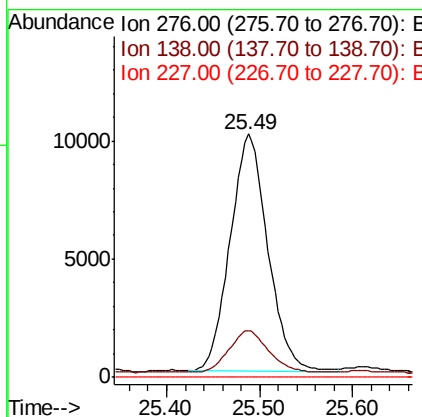
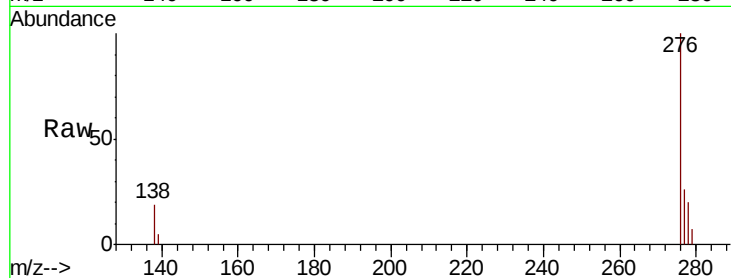




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.741 ng/ul
 RT: 25.49 min Scan# 4215
 Delta R.T. -0.00 min
 Lab File: BE097434.D
 Acq: 7 Sep 2018 23:23

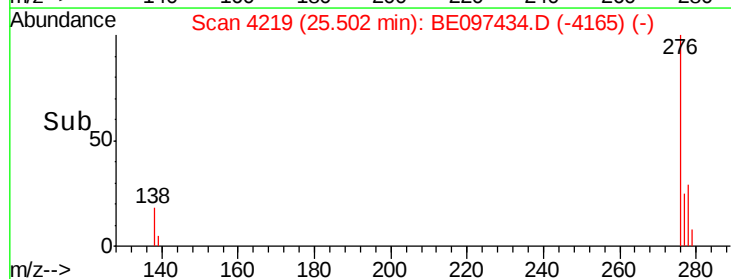
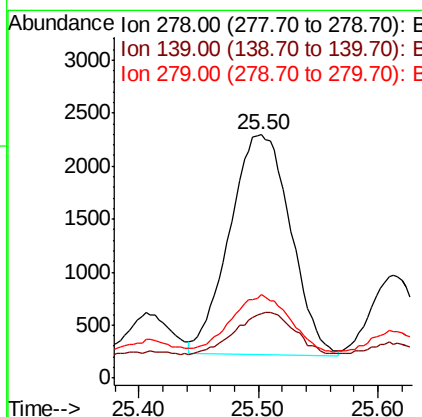
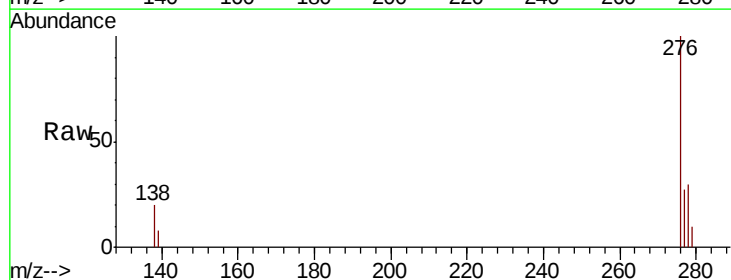
Instrument :
 BNA_E
 ClientSampleId :

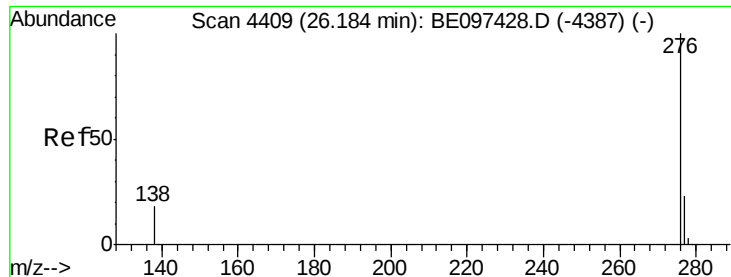
Tot Ion:276 Resp: 28193
 Ion Ratio Lower Upper
 276 100
 138 18.9 28.0 42.0#
 227 0.0 8.0 12.0#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.228 ng/ul
 RT: 25.50 min Scan# 4219
 Delta R.T. -0.01 min
 Lab File: BE097434.D
 Acq: 7 Sep 2018 23:23

Tgt Ion:278 Resp: 7352
 Ion Ratio Lower Upper
 278 100
 139 26.3 17.4 26.0#
 279 34.1 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.777 ng/ul

RT: 26.19 min Scan# 4412

Delta R.T. 0.01 min

Lab File: BE097434.D

Acq: 7 Sep 2018 23:23

Instrument :

BNA_E

ClientSampleId :

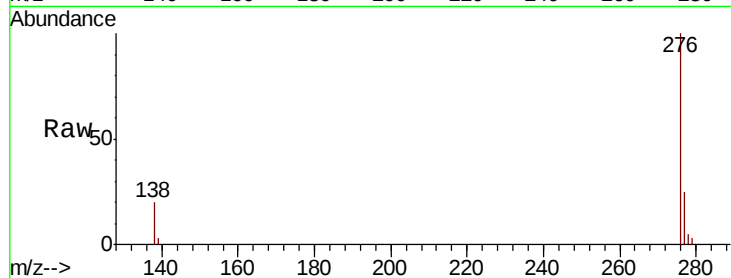
Tot Ion:276 Resp: 25192

Ion Ratio Lower Upper

276 100

138 20.1 21.8 32.8#

277 25.2 20.5 30.7



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

