

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
 Data File : BN000823.D
 Acq On : 23 Apr 2018 11:58
 Operator : JU/SJ
 Sample : J2467-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 24 00:02:18 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 00:01:55 2018
 Response via : Initial Calibration

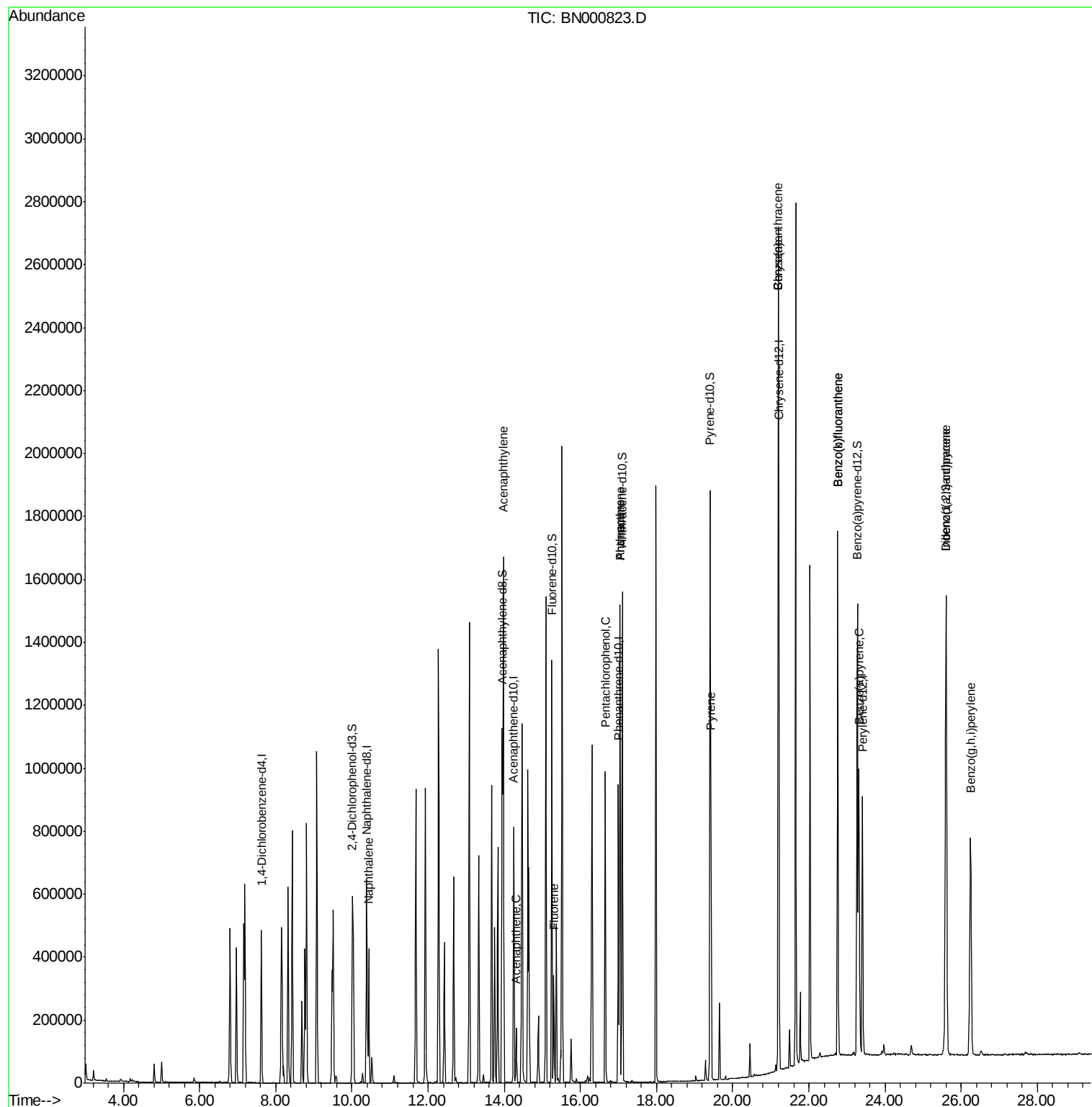
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	119794	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	506578	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	251590	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	504052	20.00	ng/ul	0.00
18) Chrysene-d12	21.22	240	467817	20.00	ng/ul	0.00
23) Perylene-d12	23.41	264	493065	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.01	165	201923	28.02	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	699897	28.90	ng/ul	0.00
10) Fluorene-d10	15.25	176	491047	30.26	ng/ul	0.00
15) Anthracene-d10	17.10	188	777154	33.35	ng/ul	0.00
19) Pyrene-d10	19.40	212	857231	36.41	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.27	264	955079	41.08	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.44	128	339764	13.248	ng/ul	99
8) Acenaphthylene	13.97	152	1133540	47.247	ng/ul	99
9) Acenaphthene	14.32	153	65989	3.983	ng/ul	99
11) Fluorene	15.30	166	137646	7.744	ng/ul	98
13) Pentachlorophenol	16.65	266	143113	46.988	ng/ul	98
14) Phenanthrene	17.05	178	865544	31.430	ng/ul	99
16) Anthracene	17.05	178	865544	31.085	ng/ul	98
20) Pyrene	19.43	202	526033	17.761	ng/ul#	72
21) Benzo(a)anthracene	21.20	228	1206614	43.292	ng/ul	99
22) Chrysene	21.20	228	1206614	45.775	ng/ul	98
24) Benzo(b)fluoranthene	22.76	252	997463	34.975	ng/ul#	94
25) Benzo(k)fluoranthene	22.76	252	1001941	36.398	ng/ul#	95
27) Benzo(a)pyrene	23.32	252	596563	21.859	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	25.60	276	328662	10.784	ng/ul#	48
29) Dibenzo(a,h)anthracene	25.60	278	1393273	54.661	ng/ul#	89
30) Benzo(g,h,i)perylene	26.24	276	734306	29.096	ng/ul#	86

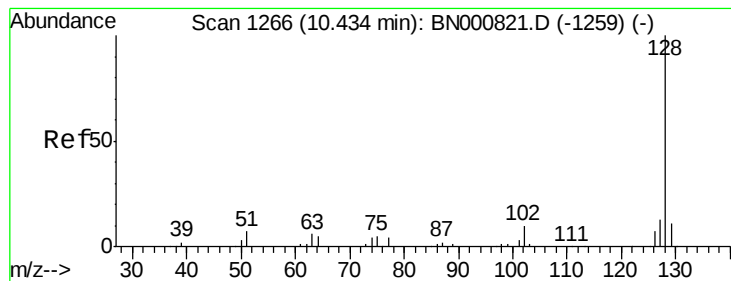
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Naphthalene

Concen: 13.248 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

Instrument :

BNA_N

ClientSampled :

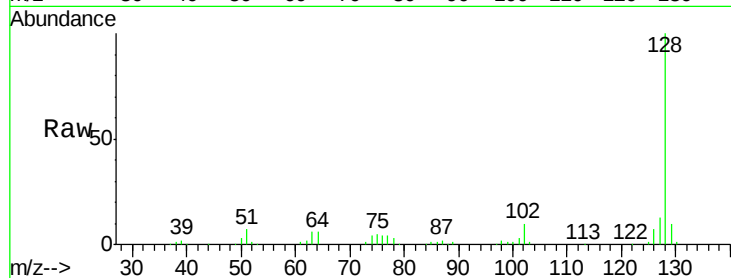
Tot Ion:128 Resp: 339764

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

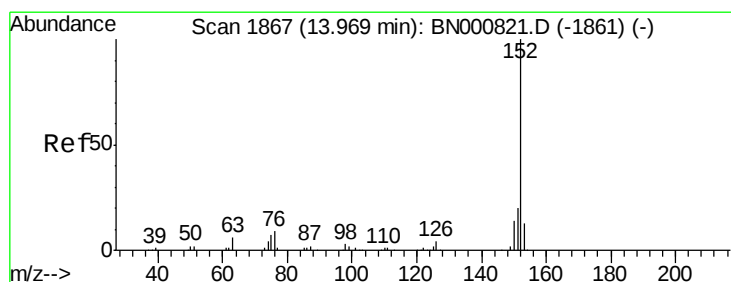
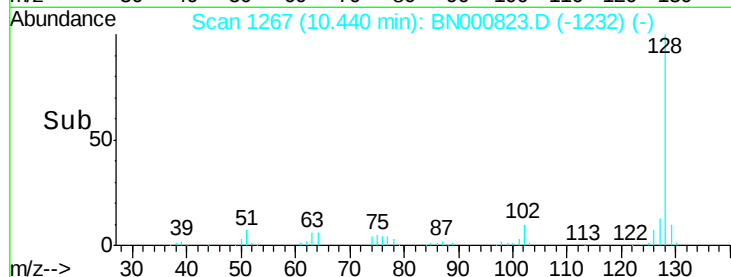
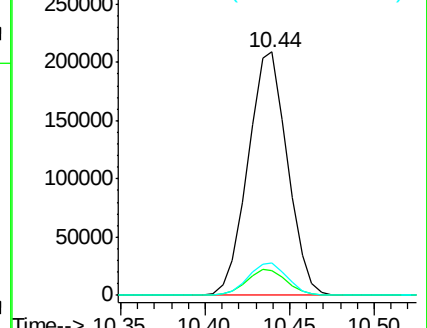
127 13.1 10.6 16.0



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



#8

Acenaphthylene

Concen: 47.247 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.01 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

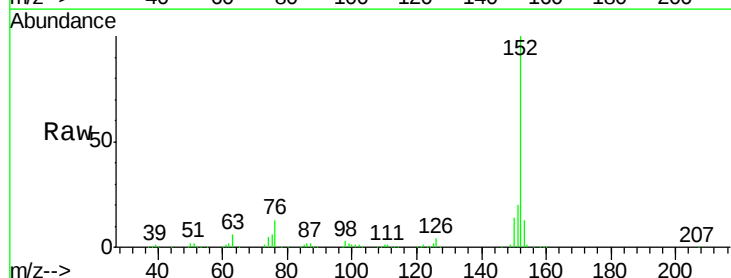
Tgt Ion:152 Resp: 1133540

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

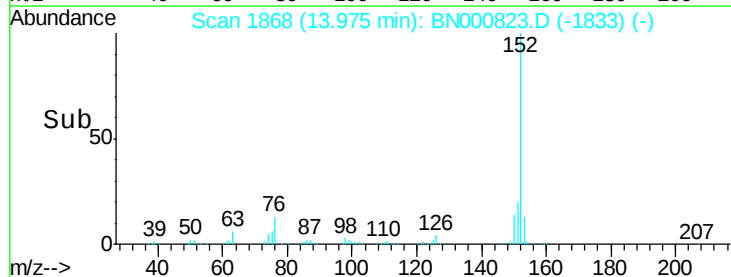
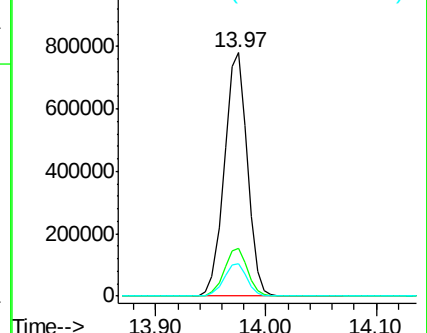
153 13.1 10.2 15.4

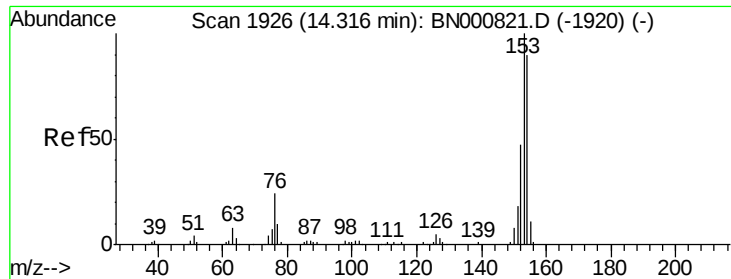


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 3.983 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

Instrument :

BNA_N

ClientSampleId :

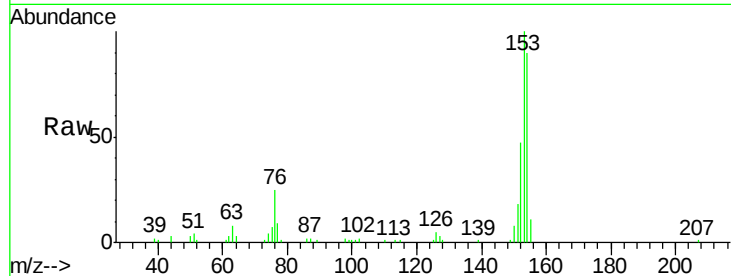
Tot Ion:153 Resp: 65989

Ion Ratio Lower Upper

153 100

152 46.9 37.6 56.4

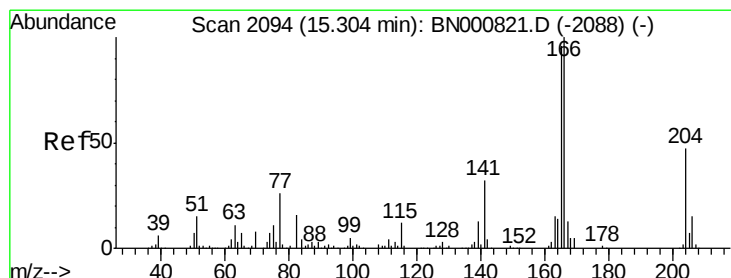
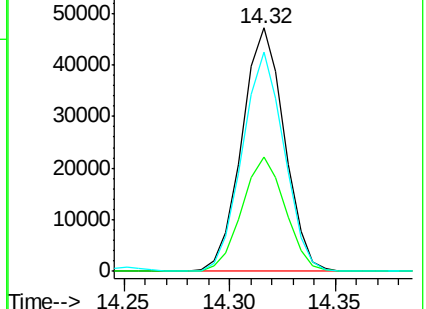
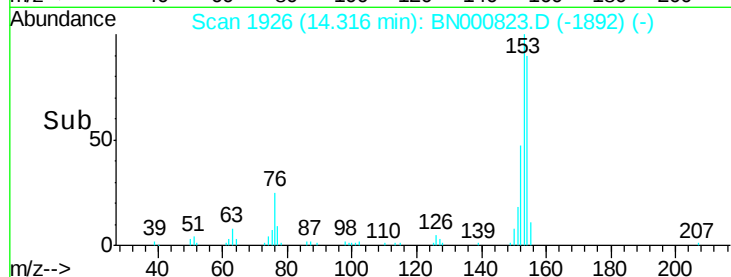
154 89.9 70.4 105.6



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



#11

Fluorene

Concen: 7.744 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

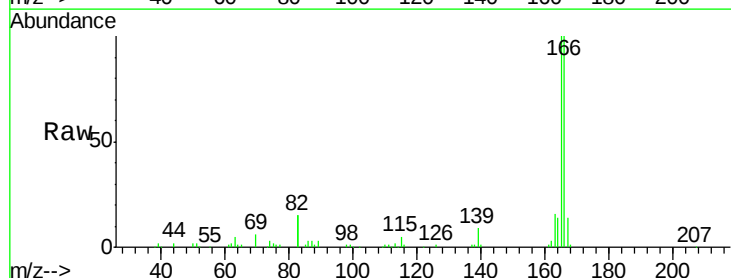
Tgt Ion:166 Resp: 137646

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

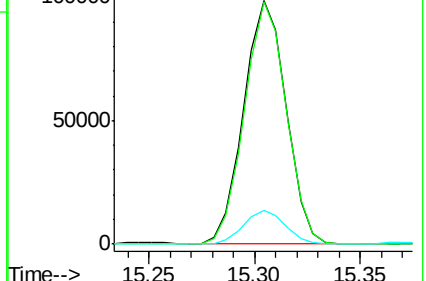
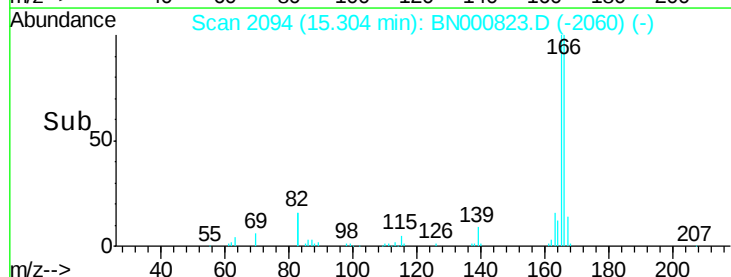
167 13.6 10.6 16.0

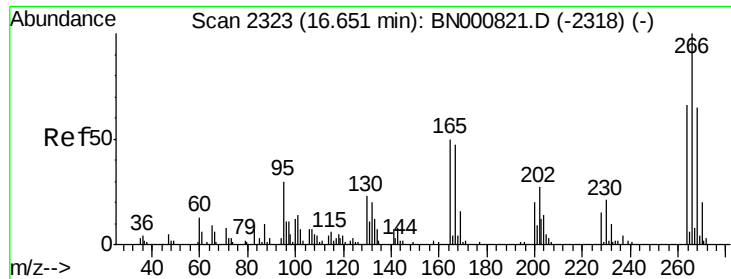


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

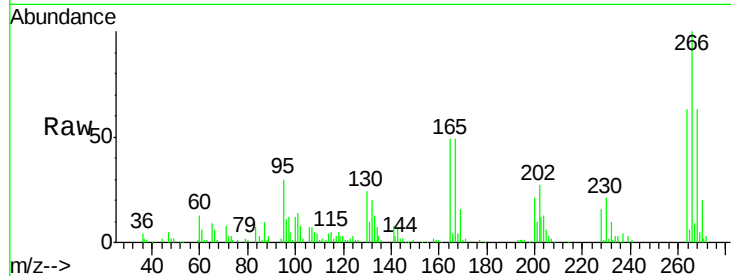




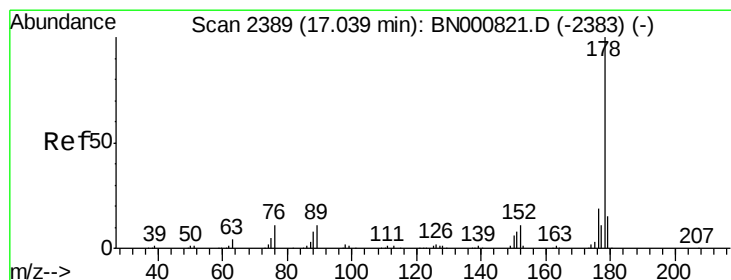
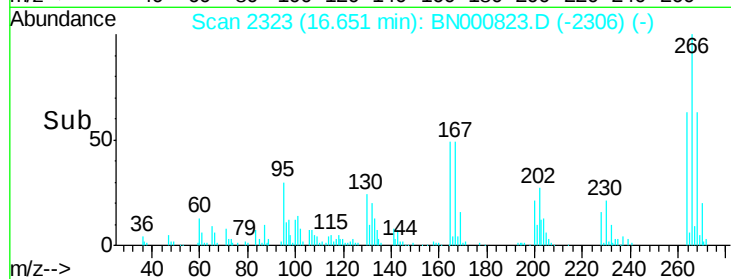
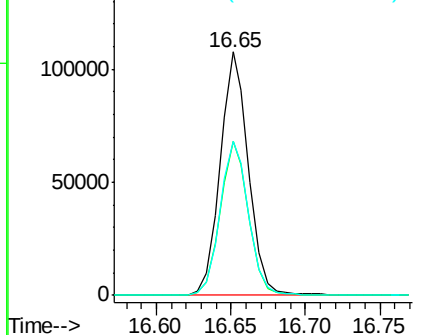
#13
 Pentachlorophenol
 Concen: 46.988 ng/ul
 RT: 16.65 min Scan# 2323
 Delta R.T. -0.00 min
 Lab File: BN000823.D
 Acq: 23 Apr 2018 11:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.3	73.9
268	63.2	52.6	78.8

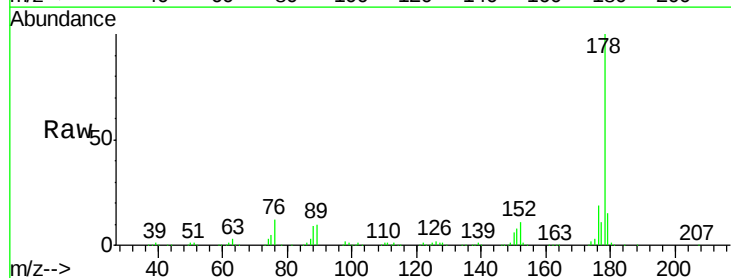


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

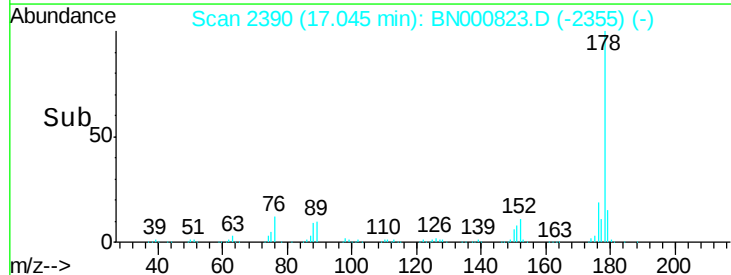
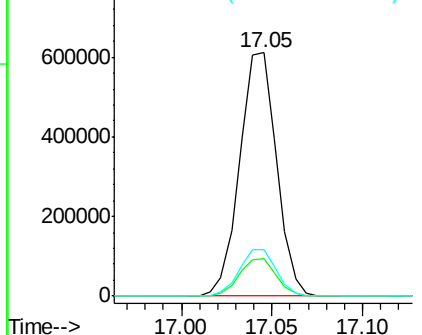


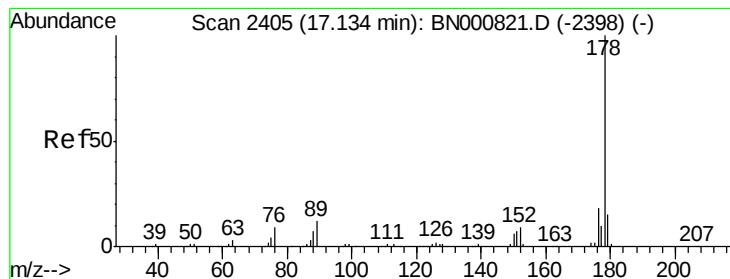
#14
 Phenanthrene
 Concen: 31.430 ng/ul
 RT: 17.05 min Scan# 2390
 Delta R.T. 0.01 min
 Lab File: BN000823.D
 Acq: 23 Apr 2018 11:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.0	14.9	22.3



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





#16

Anthracene

Concen: 31.085 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.09 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

Instrument :

BNA_N

ClientSampleId :

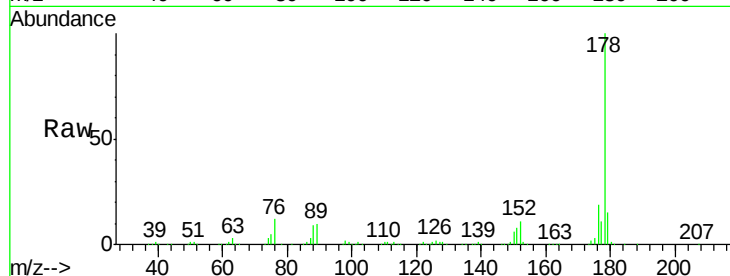
Tot Ion:178 Resp: 865544

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

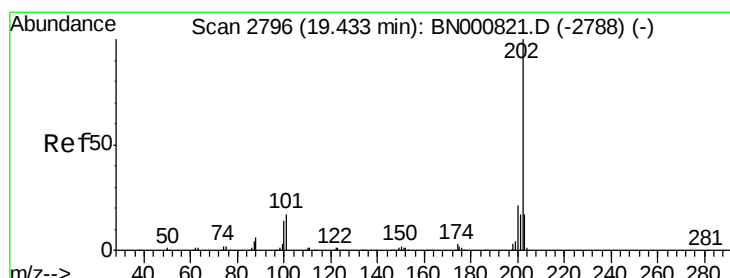
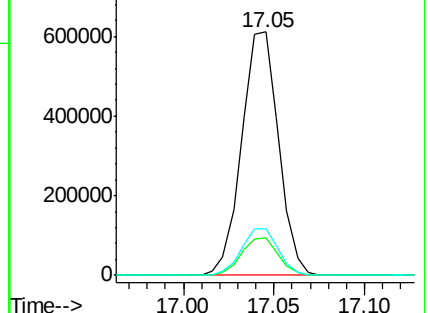
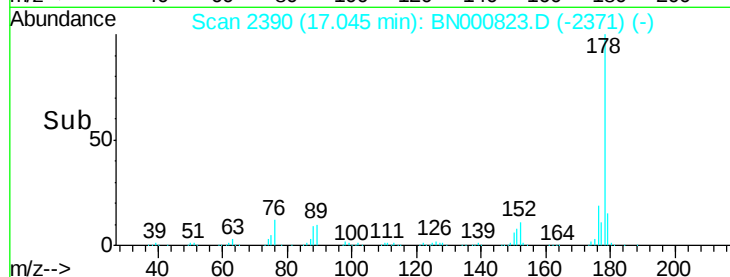
176 19.0 14.6 21.8



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



#20

Pyrene

Concen: 17.761 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

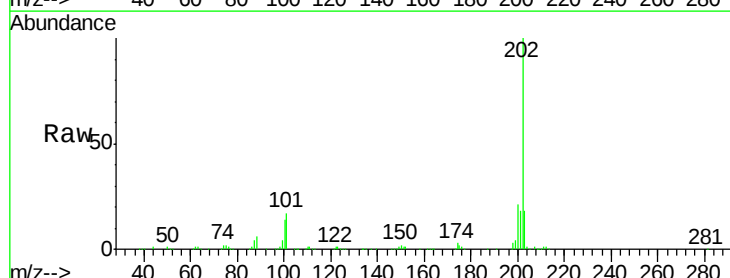
Tgt Ion:202 Resp: 526033

Ion Ratio Lower Upper

202 100

101 17.5 5.1 7.7#

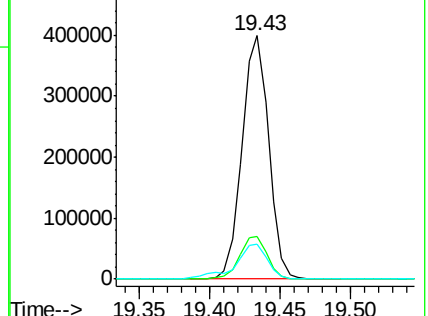
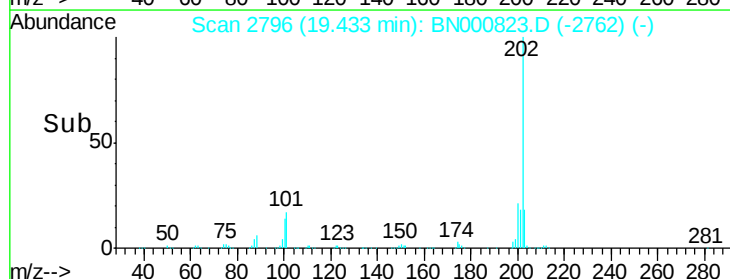
100 14.2 4.9 7.3#

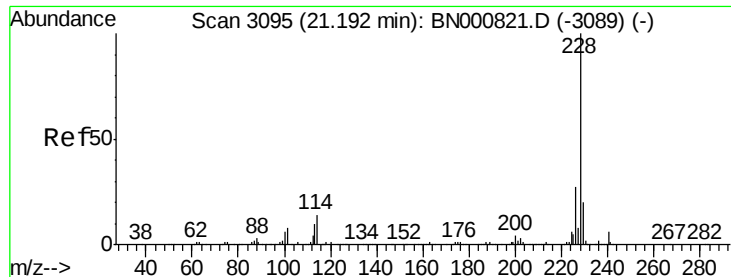


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 43.292 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

Instrument :

BNA_N

ClientSampleId :

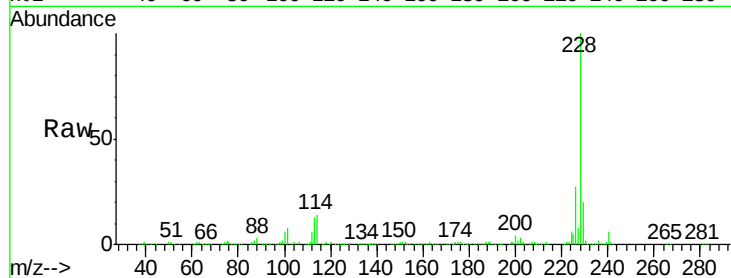
Tot Ion:228 Resp: 1206614

Ion Ratio Lower Upper

228 100

229 19.8 15.4 23.0

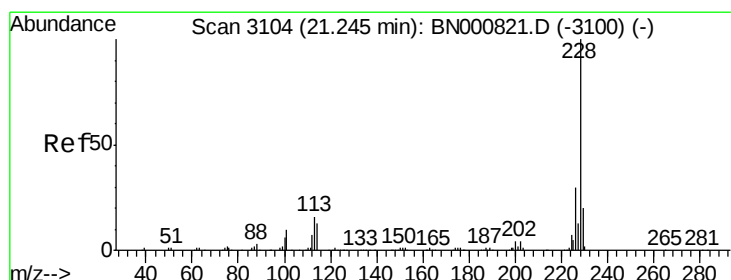
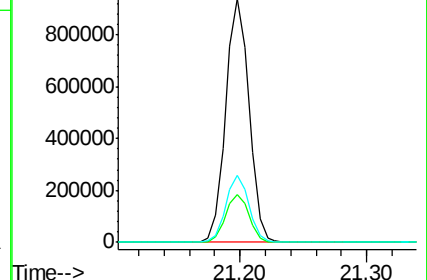
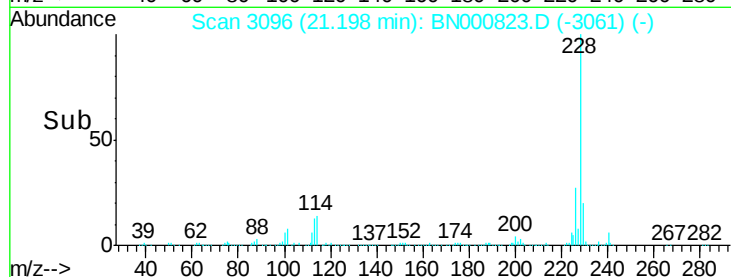
226 27.5 21.4 32.0



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



#22

Chrysene

Concen: 45.775 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.05 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

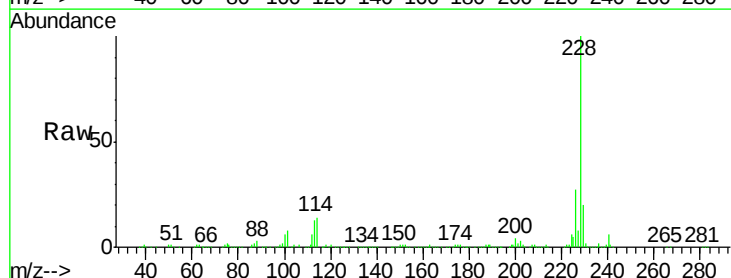
Tgt Ion:228 Resp: 1206614

Ion Ratio Lower Upper

228 100

226 27.5 23.4 35.2

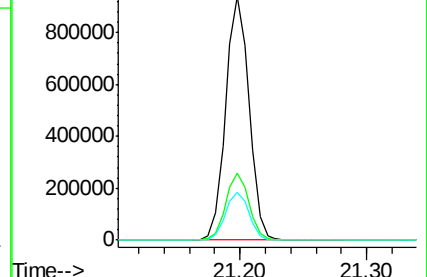
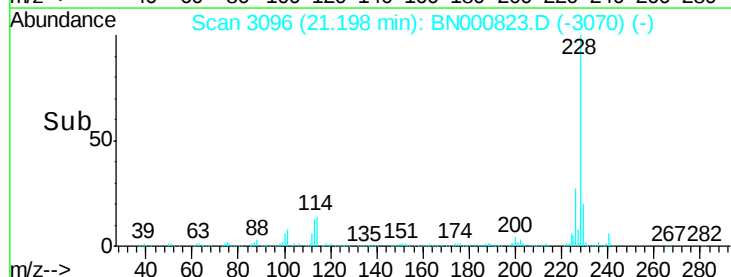
229 19.8 15.5 23.3

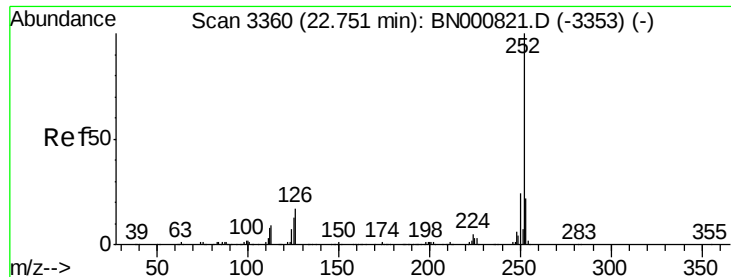


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

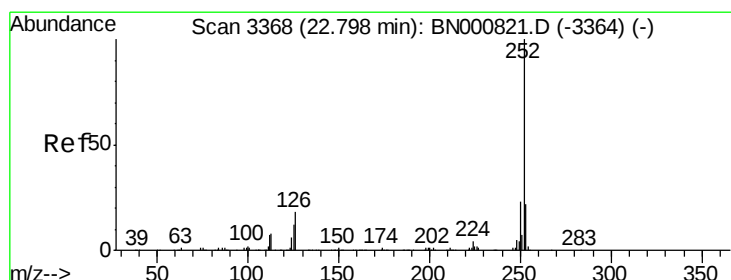
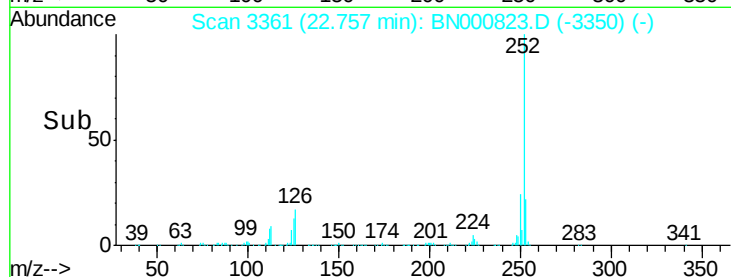
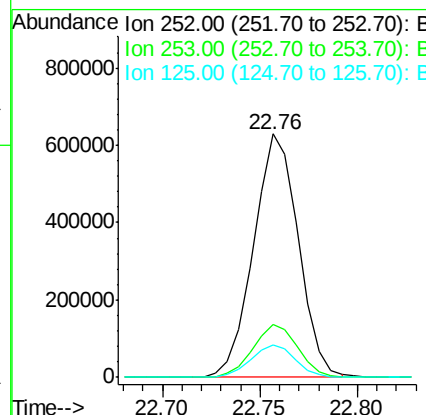
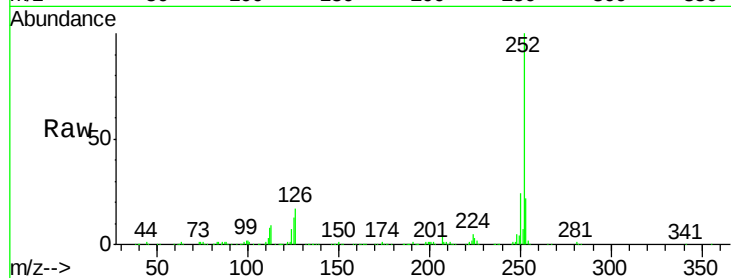




#24
Benzo(b)fluoranthene
Concen: 34.975 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BN000823.D
Acq: 23 Apr 2018 11:58

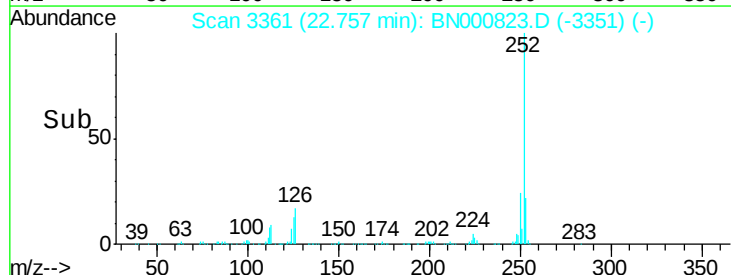
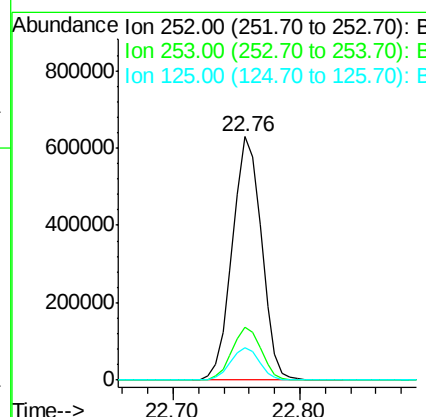
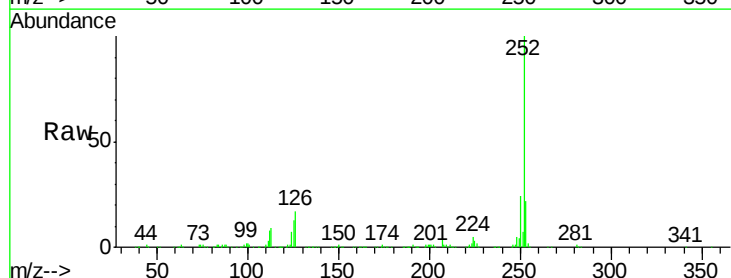
Instrument :
BNA_N
ClientSampleId :

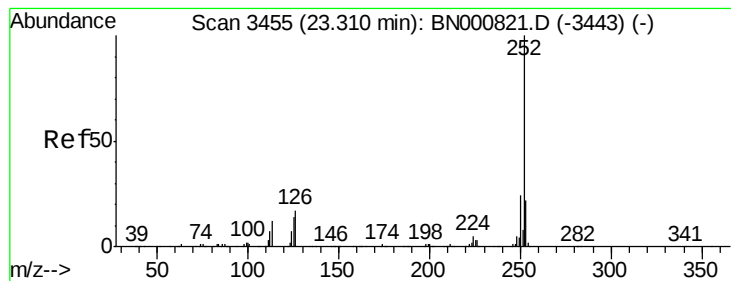
Tot Ion:252 Resp: 997463
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 13.2 3.6 5.4#



#25
Benzo(k)fluoranthene
Concen: 36.398 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.04 min
Lab File: BN000823.D
Acq: 23 Apr 2018 11:58

Tgt Ion:252 Resp: 1001941
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 13.2 3.4 5.2#





#27

Benzo(a)pyrene

Concen: 21.859 ng/u1

RT: 23.32 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

Instrument :

BNA_N

ClientSampleId :

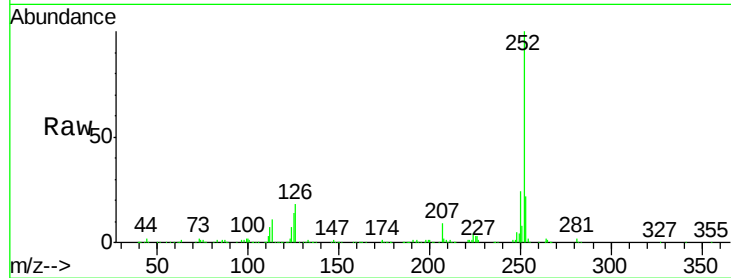
Tot Ion:252 Resp: 596563

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

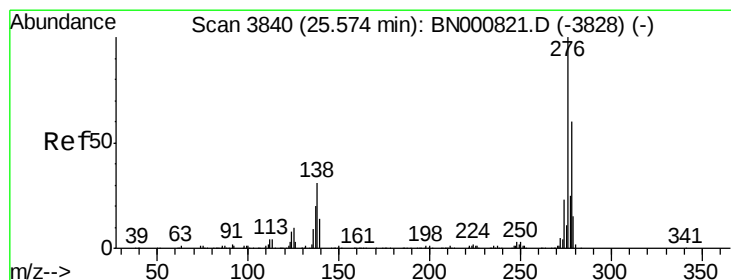
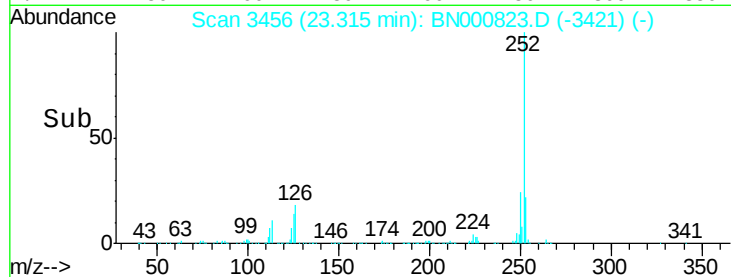
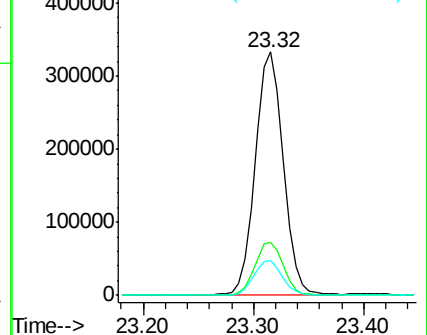
125 14.4 4.0 6.0#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 10.784 ng/u1

RT: 25.60 min Scan# 3845

Delta R.T. 0.03 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

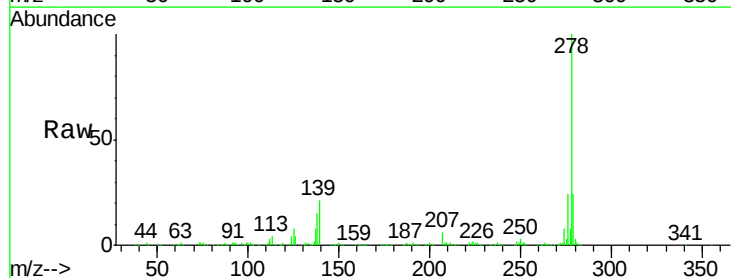
Tgt Ion:276 Resp: 328662

Ion Ratio Lower Upper

276 100

138 60.6 9.3 13.9#

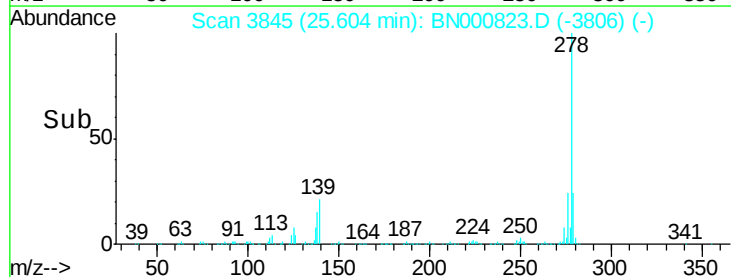
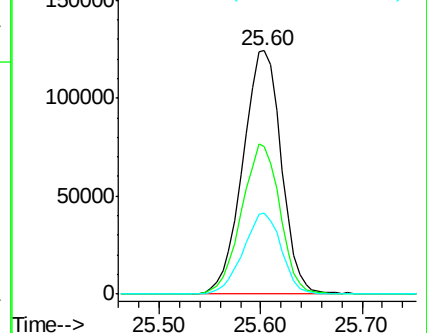
277 33.2 19.9 29.9#

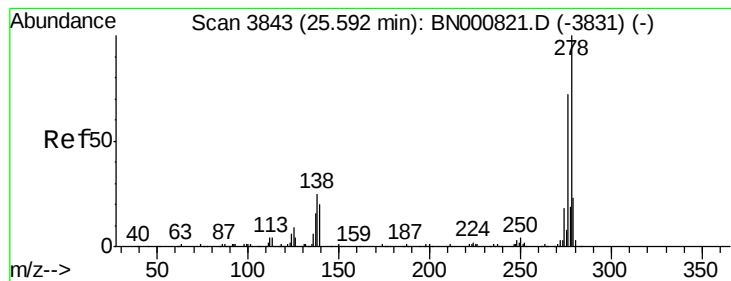


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 54.661 ng/u1

RT: 25.60 min Scan# 3845

Delta R.T. 0.01 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

Instrument :

BNA_N

ClientSampleId :

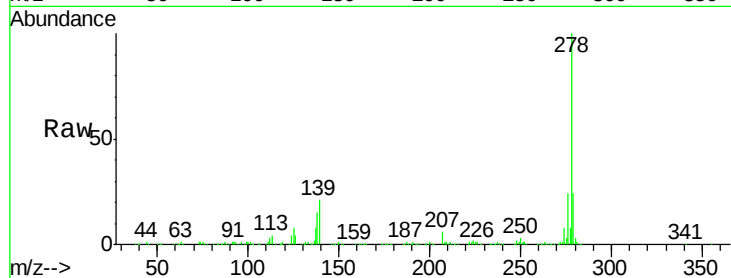
Tot Ion:278 Resp: 1393273

Ion Ratio Lower Upper

278 100

139 20.9 5.8 8.8#

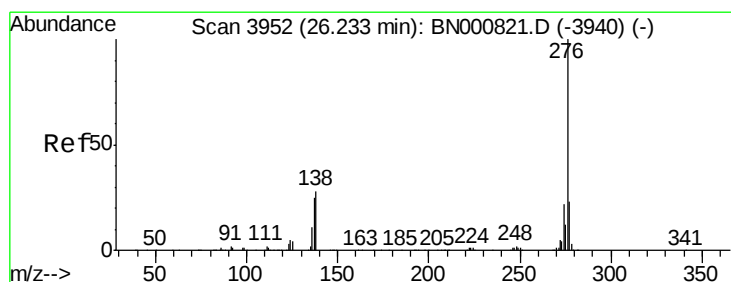
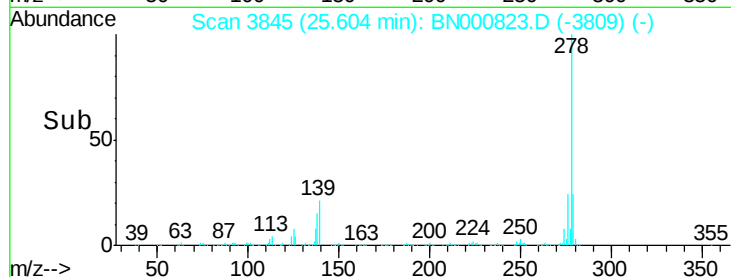
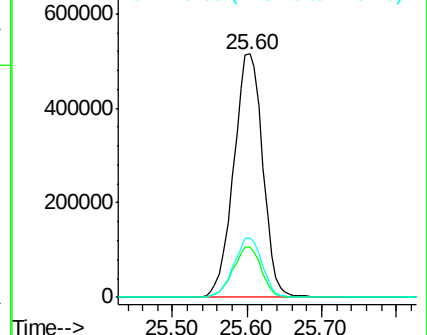
279 24.3 18.6 27.8



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



#30

Benzo(g,h,i)perylene

Concen: 29.096 ng/u1

RT: 26.24 min Scan# 3954

Delta R.T. 0.01 min

Lab File: BN000823.D

Acq: 23 Apr 2018 11:58

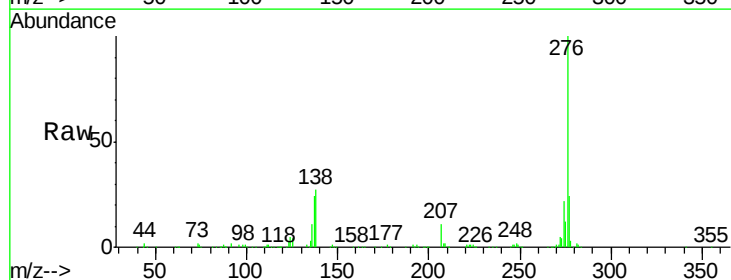
Tgt Ion:276 Resp: 734306

Ion Ratio Lower Upper

276 100

138 26.9 8.5 12.7#

277 23.6 18.6 28.0



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

