

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
 Data File : BN008404.D
 Acq On : 25 Oct 2019 00:59
 Operator : JU
 Sample : K5236-03DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 25 01:43:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

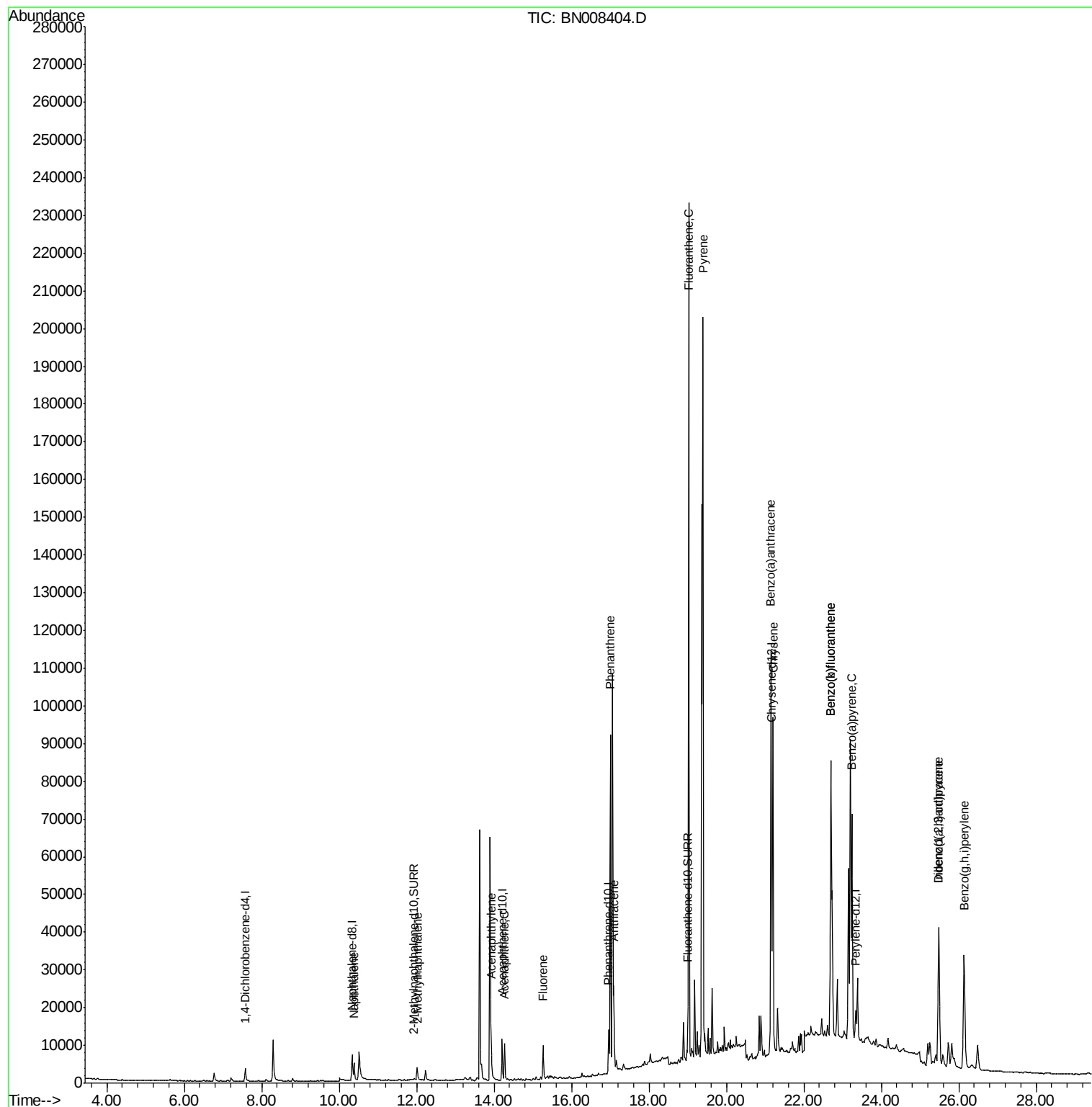
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1957	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.33	136	9584	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	6226	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.96	188	13369	0.40	ng/ul	-0.02
16) Chrysene-d12	21.17	240	11486	0.40	ng/ul	-0.01
20) Perylene-d12	23.33	264	9541	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	609	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.00	212	1801	0.04	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.38	128	6303	0.231	ng/ul	99
5) 2-Methylnaphthalene	12.01	142	2913	0.156	ng/ul	100
7) Acenaphthylene	13.93	152	11424	0.385	ng/ul	99
8) Acenaphthene	14.27	153	5943	0.258	ng/ul	98
9) Fluorene	15.26	166	6061	0.231	ng/ul	97
12) Phenanthrene	17.00	178	98246	2.510	ng/ul	99
13) Anthracene	17.09	178	21094	0.612	ng/ul	97
15) Fluoranthene	19.02	202	192964	3.733	ng/ul	97
17) Pyrene	19.39	202	160072	3.500	ng/ul	100
18) Benzo(a)anthracene	21.15	228	90103	2.158	ng/ul	96
19) Chrysene	21.20	228	90664	1.769	ng/ul	96
21) Benzo(b)fluoranthene	22.69	252	158463	5.102	ng/ul	92
22) Benzo(k)fluoranthene	22.69	252	158463	4.504	ng/ul#	92
23) Benzo(a)pyrene	23.24	252	75539	2.311	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.48	276	55837	1.451	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.49	278	13245	0.435	ng/ul#	72
26) Benzo(a,h,i)perylene	26.14	276	59696	1.691	ng/ul	97

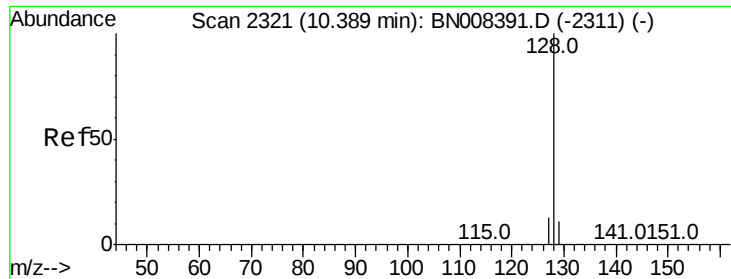
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.231 ng/ul

RT: 10.38 min Scan# 2320

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

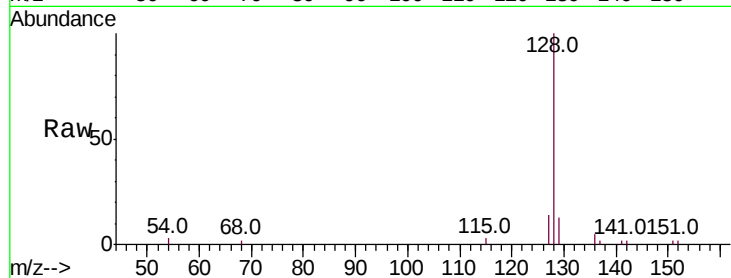
Tot Ion:128 Resp: 6303

Ion Ratio Lower Upper

128 100

129 12.8 9.8 14.8

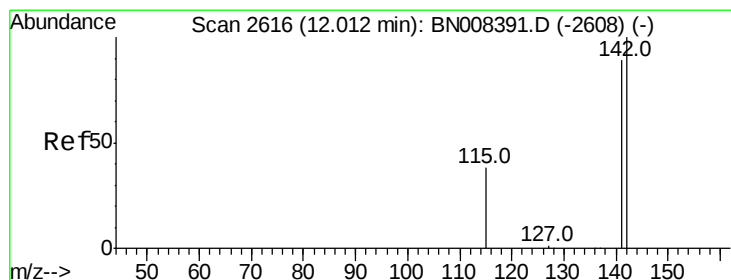
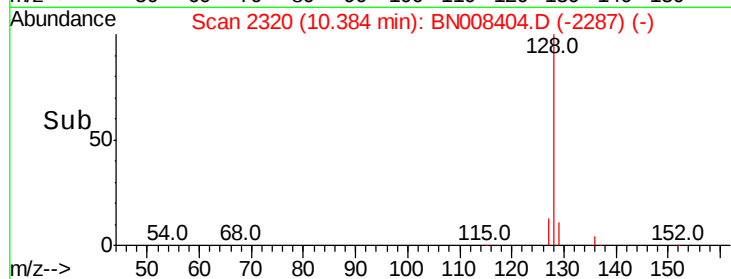
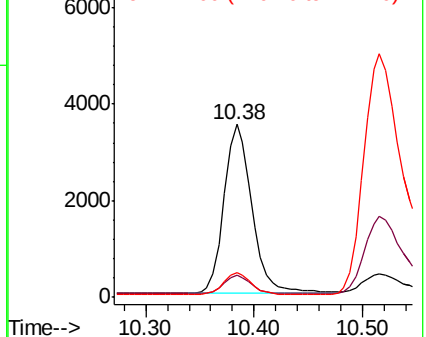
127 14.0 11.1 16.7



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: 0.156 ng/ul

RT: 12.01 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BN008404.D

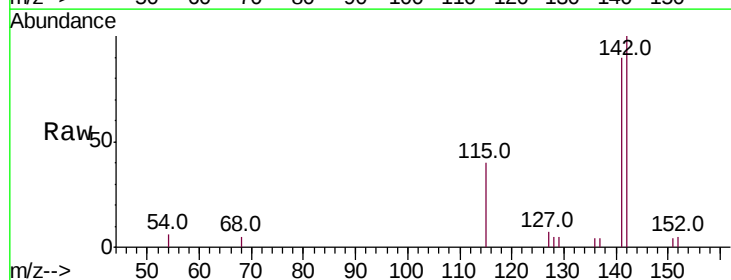
Acq: 25 Oct 2019 00:59

Tgt Ion:142 Resp: 2913

Ion Ratio Lower Upper

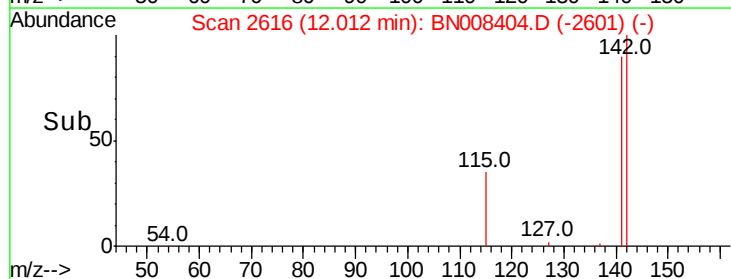
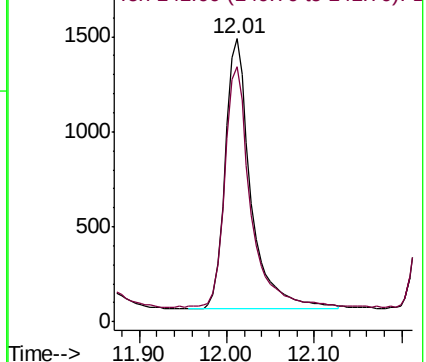
142 100

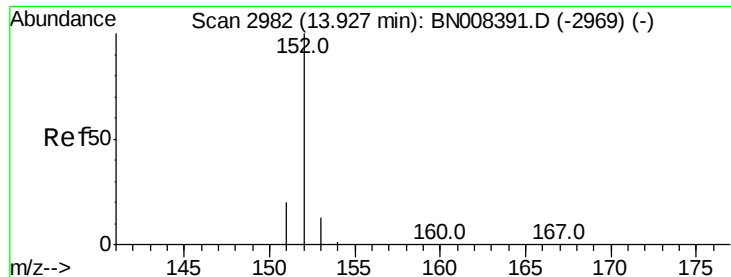
141 89.6 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.385 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

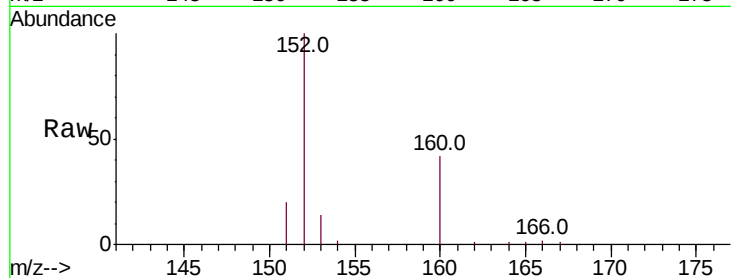
Tot Ion:152 Resp: 11424

Ion Ratio Lower Upper

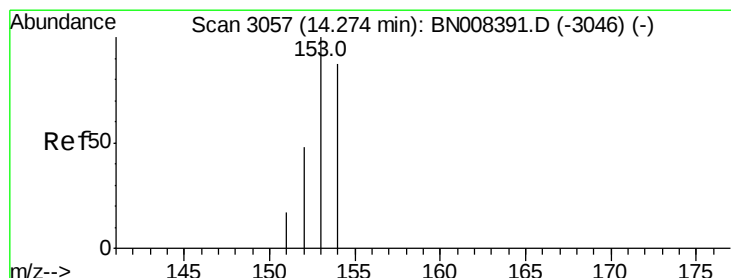
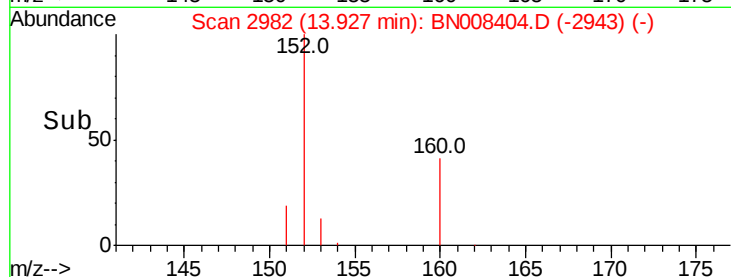
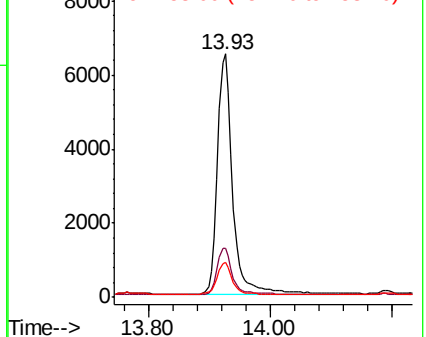
152 100

151 20.1 16.2 24.4

153 14.5 11.0 16.4



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



#8

Acenaphthene

Concen: 0.258 ng/ul

RT: 14.27 min Scan# 3056

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

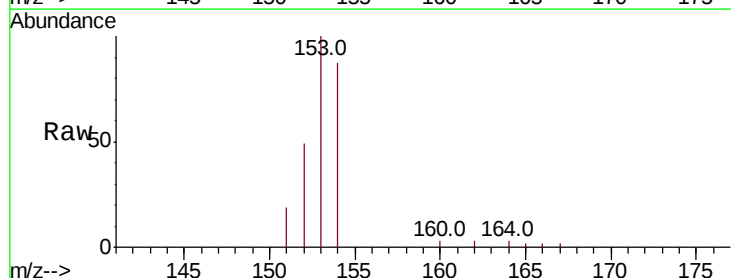
Tgt Ion:153 Resp: 5943

Ion Ratio Lower Upper

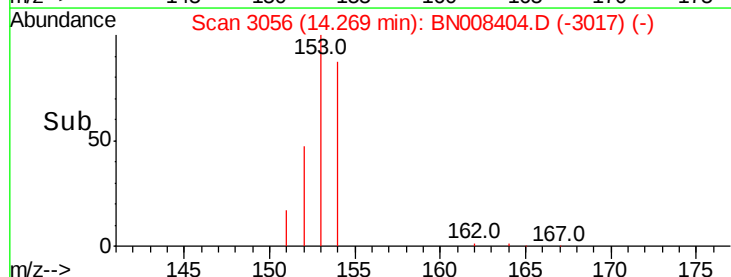
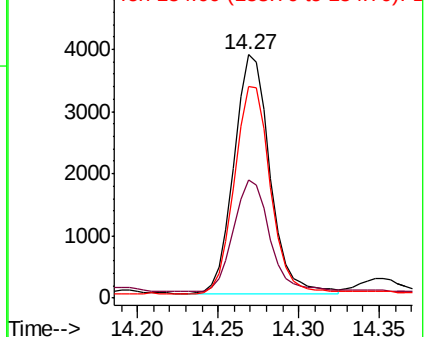
153 100

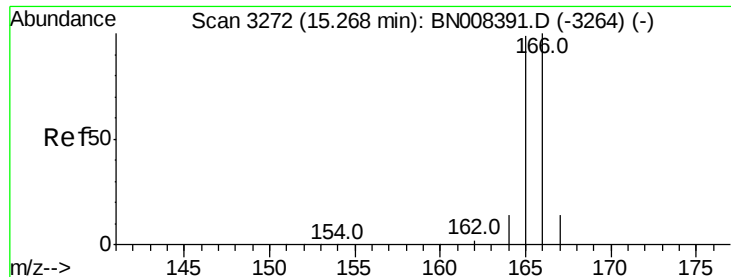
152 48.7 38.2 57.2

154 87.1 71.8 107.8



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: 0.231 ng/ul

RT: 15.26 min Scan# 3271

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

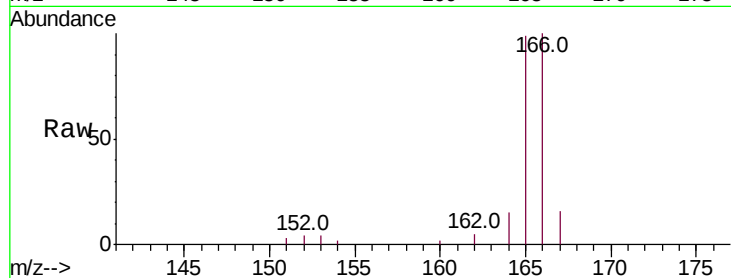
Tot Ion:166 Resp: 6061

Ion Ratio Lower Upper

166 100

165 99.0 76.6 115.0

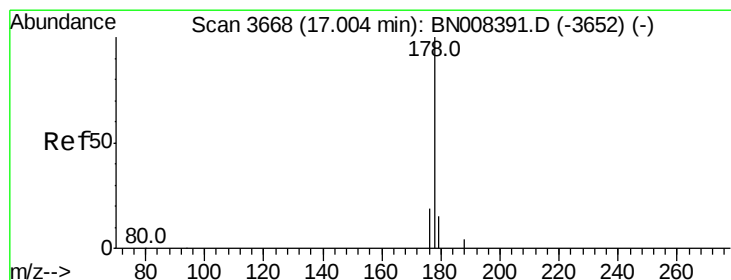
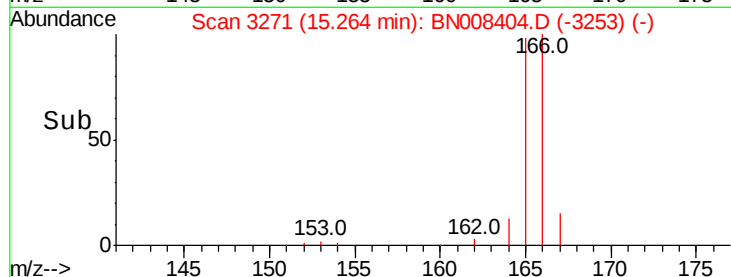
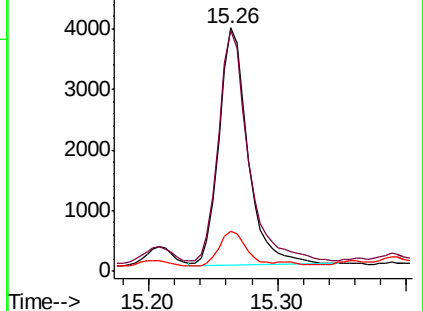
167 16.4 11.7 17.5



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



#12

Phenanthrene

Concen: 2.510 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

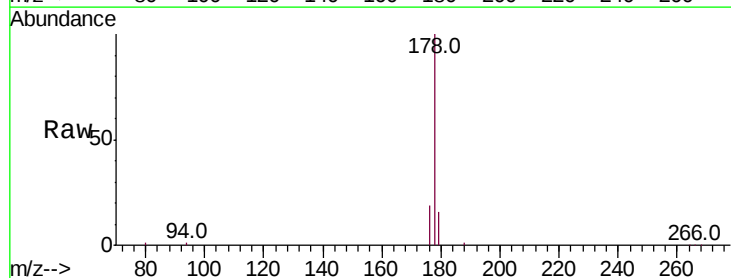
Tgt Ion:178 Resp: 98246

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

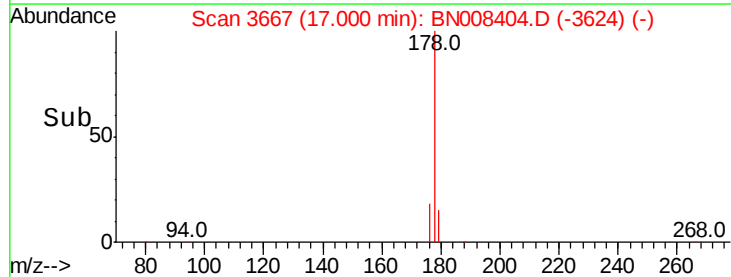
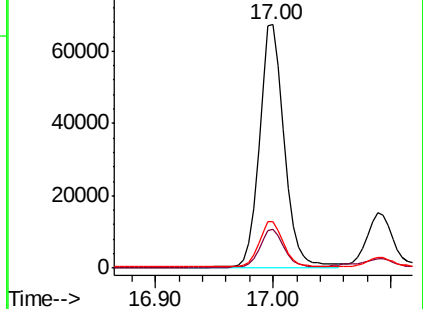
176 18.9 15.4 23.2

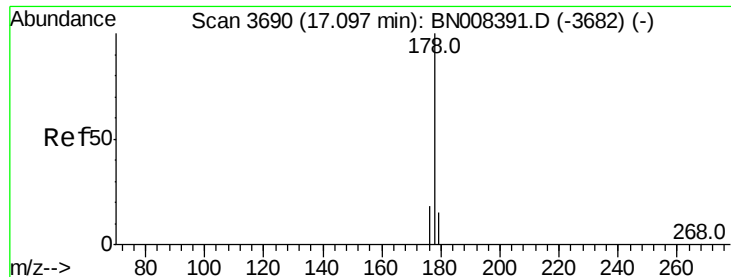


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.612 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

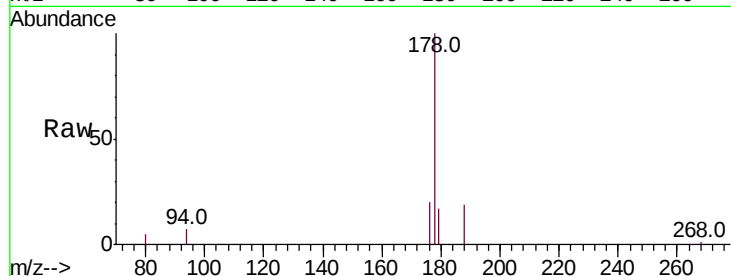
Tot Ion:178 Resp: 21094

Ion Ratio Lower Upper

178 100

179 17.5 13.0 19.6

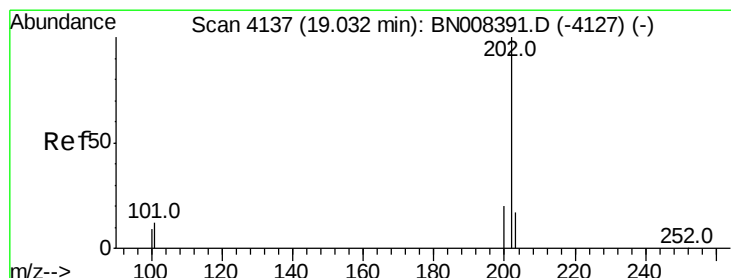
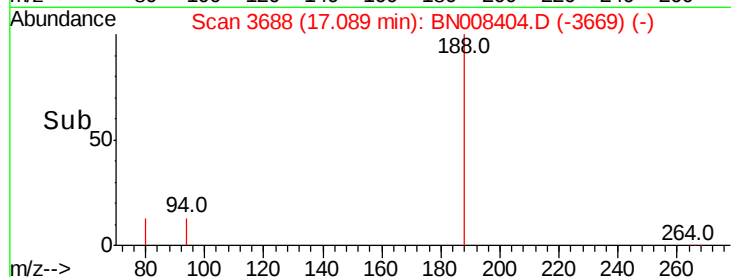
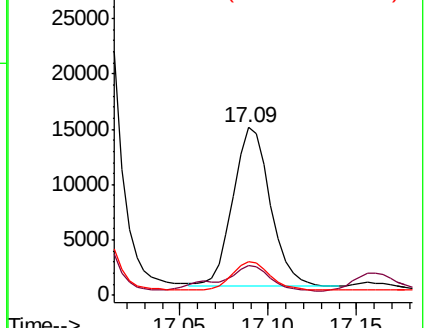
176 20.3 15.0 22.6



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: 3.733 ng/ul

RT: 19.02 min Scan# 4135

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

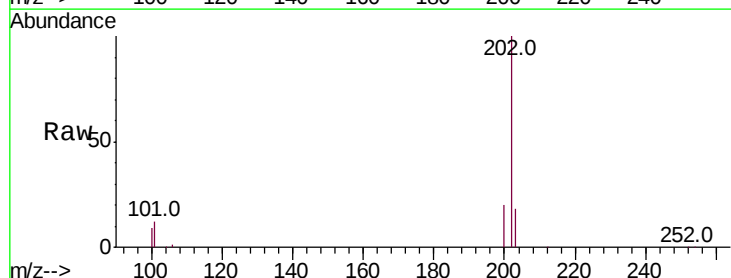
Tgt Ion:202 Resp: 192964

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.2

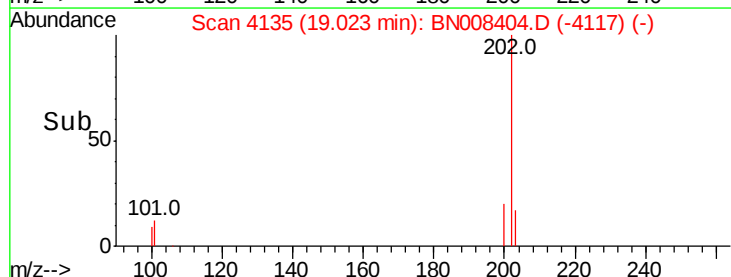
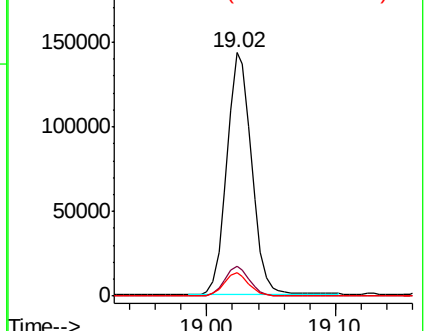
100 9.4 0.0 28.5

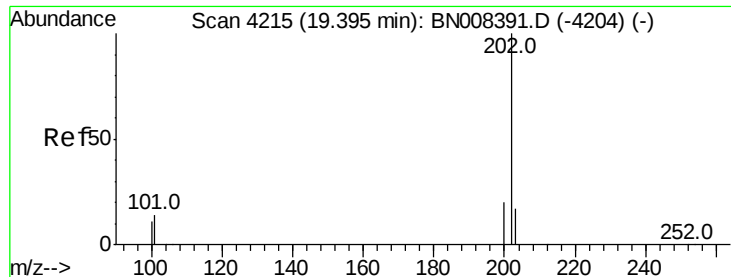


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 3.500 ng/ul

RT: 19.39 min Scan# 4214

Delta R.T. -0.01 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

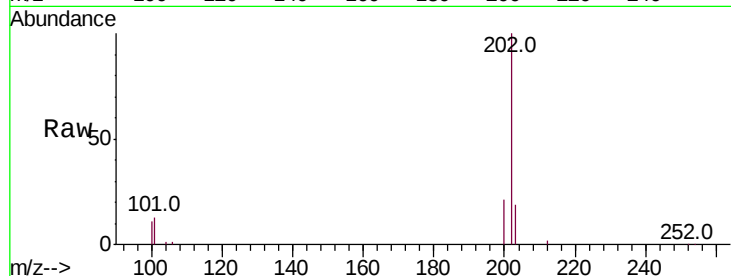
Tot Ion:202 Resp: 160072

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

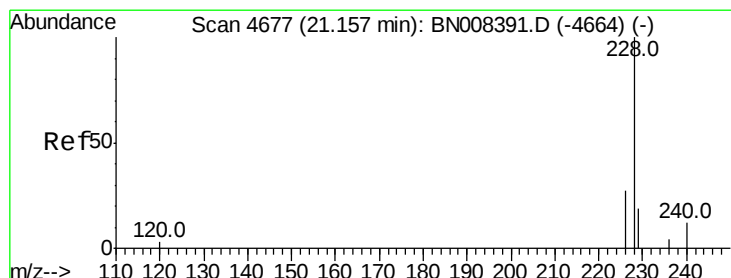
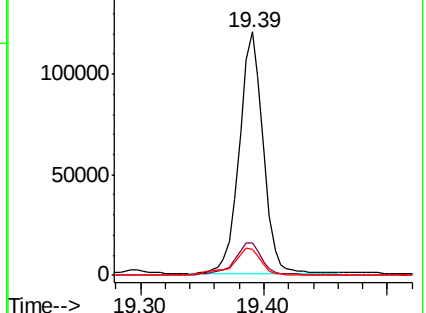
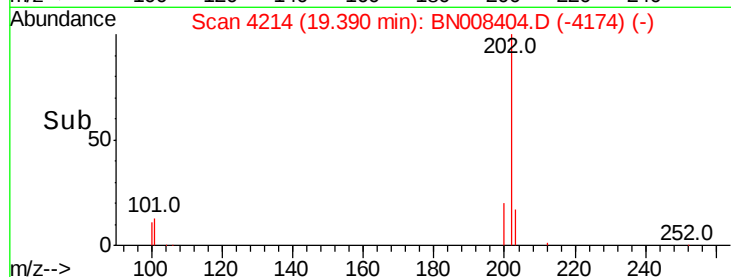
100 10.9 8.7 13.1



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



#18

Benzo(a)anthracene

Concen: 2.158 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

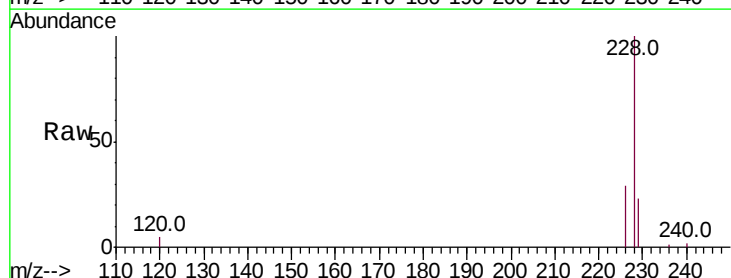
Tgt Ion:228 Resp: 90103

Ion Ratio Lower Upper

228 100

229 22.5 16.2 24.2

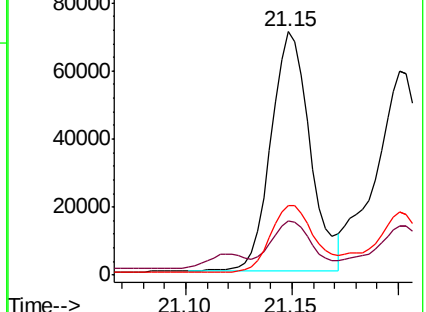
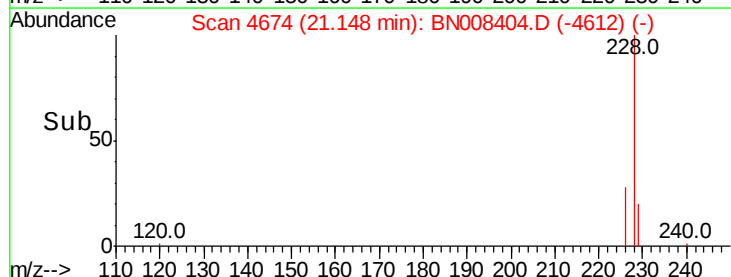
226 28.8 21.4 32.0

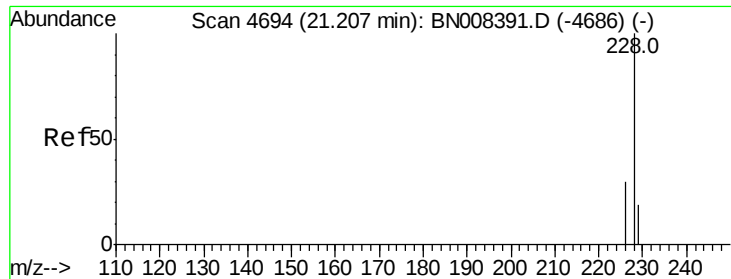


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.769 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. -0.01 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

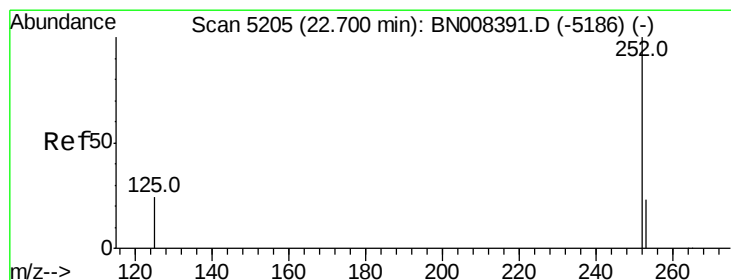
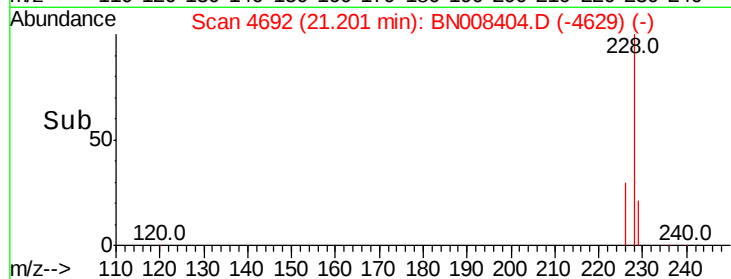
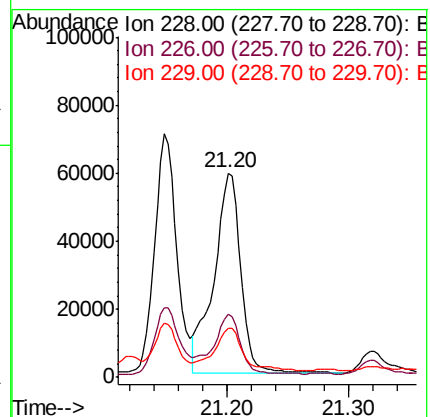
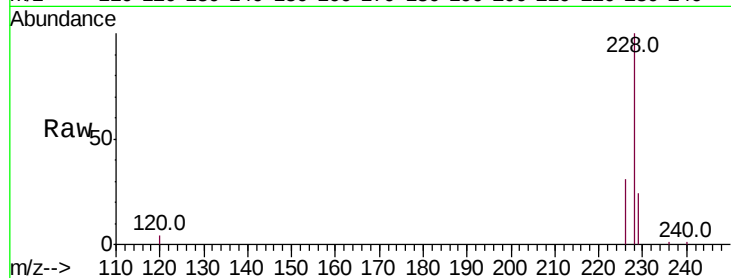
Tot Ion:228 Resp: 90664

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 24.0 16.2 24.2



#21

Benzo(b)fluoranthene

Concen: 5.102 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

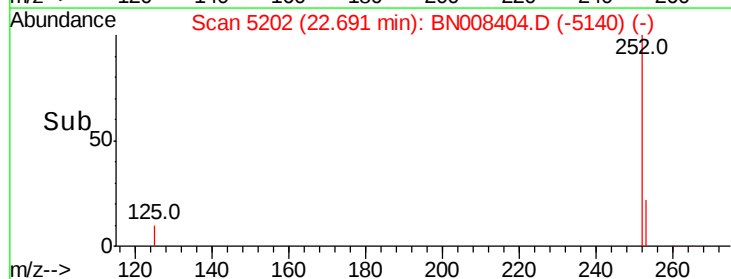
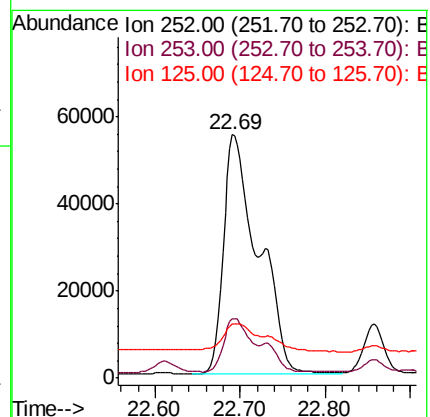
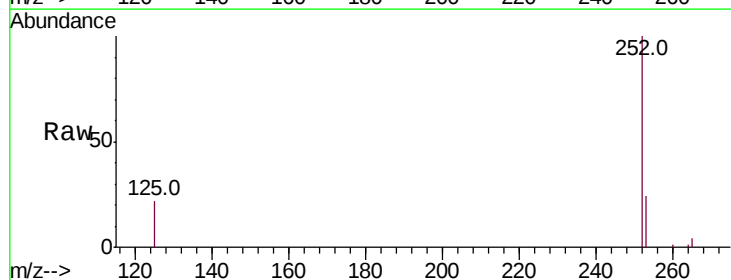
Tgt Ion:252 Resp: 158463

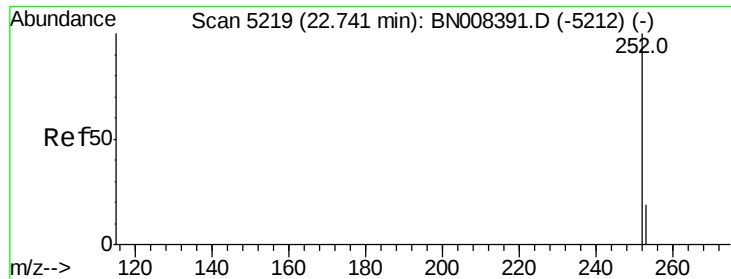
Ion Ratio Lower Upper

252 100

253 24.5 0.0 53.4

125 22.1 0.0 32.4





#22

Benzo(k)fluoranthene

Concen: 4.504 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.06 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

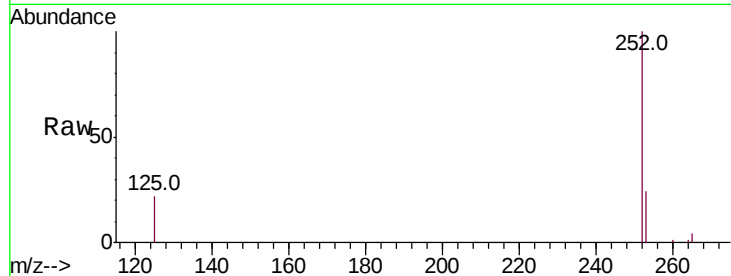
Tot Ion:252 Resp: 158463

Ion Ratio Lower Upper

252 100

253 24.5 21.3 31.9

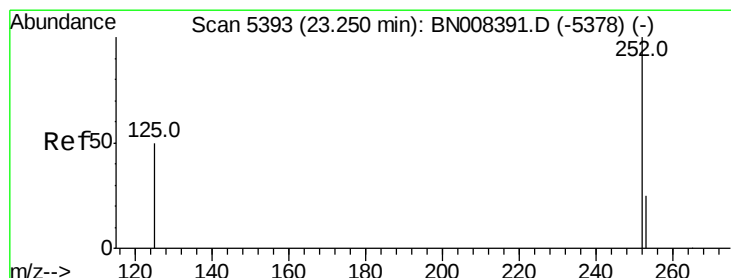
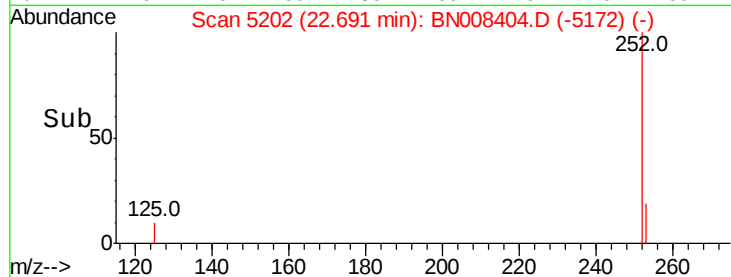
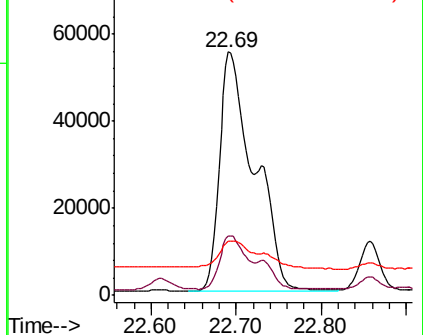
125 22.1 12.3 18.5#



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: 2.311 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. -0.02 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

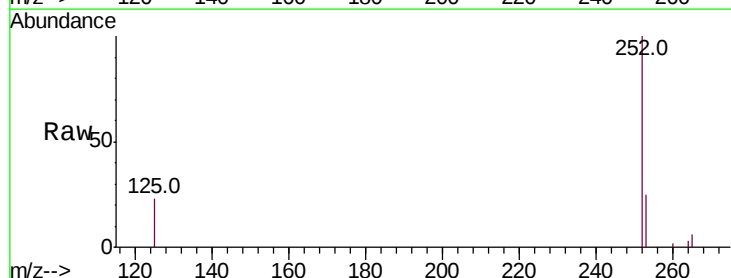
Tgt Ion:252 Resp: 75539

Ion Ratio Lower Upper

252 100

253 25.0 22.8 34.2

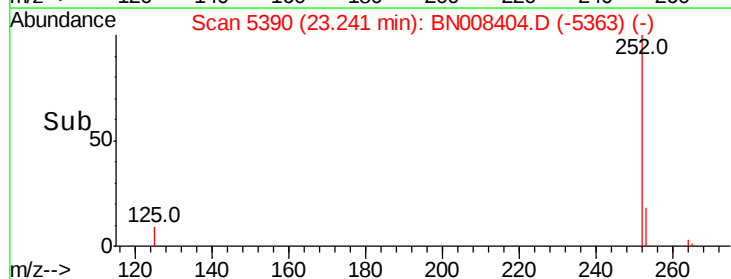
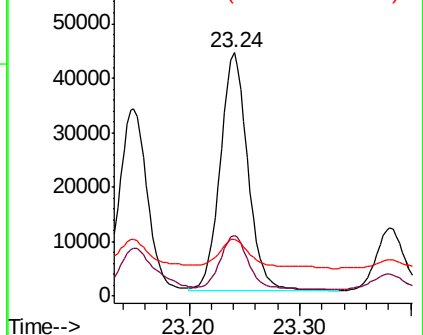
125 23.5 18.4 27.6

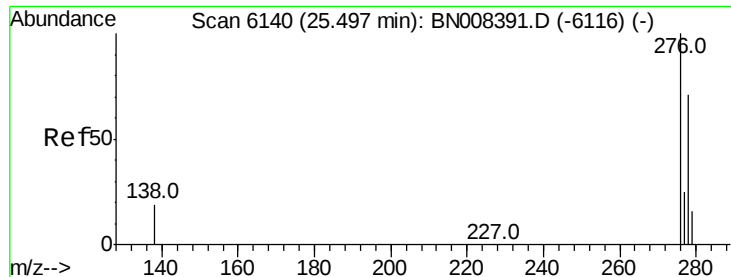


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



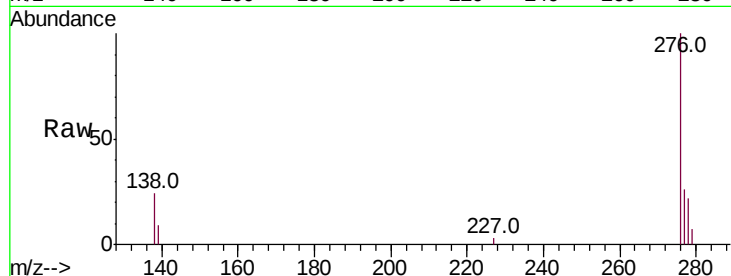


#24

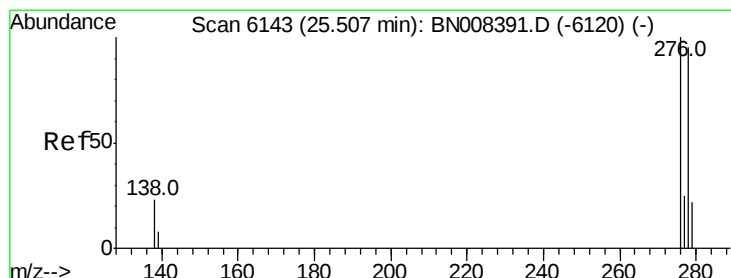
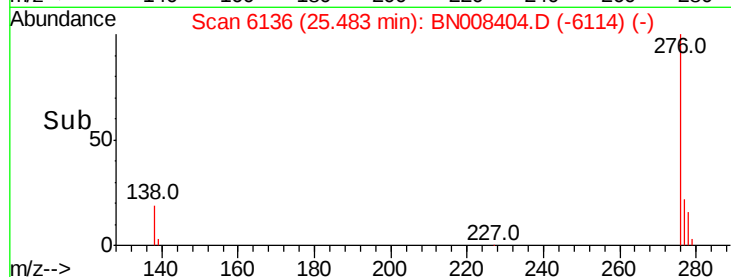
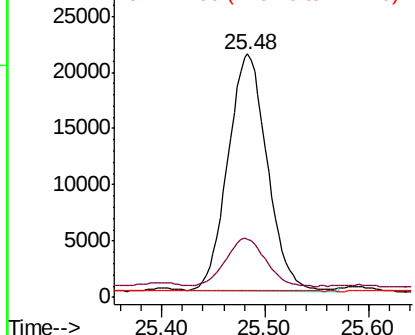
Indeno(1,2,3-cd)pyrene
Concen: 1.451 ng/ul
RT: 25.48 min Scan# 6136
Delta R.T. -0.03 min
Lab File: BN008404.D
Acq: 25 Oct 2019 00:59

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 55837
Ion Ratio Lower Upper
276 100
138 20.6 16.1 24.1
227 0.7 0.2 0.2#



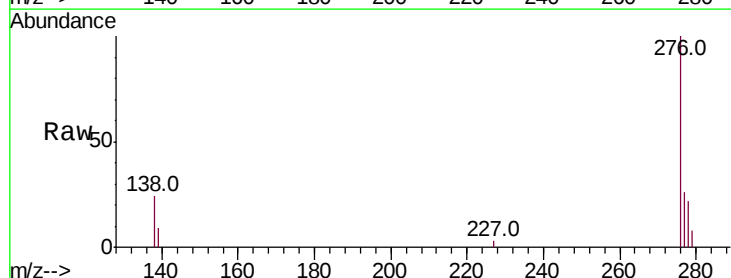
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



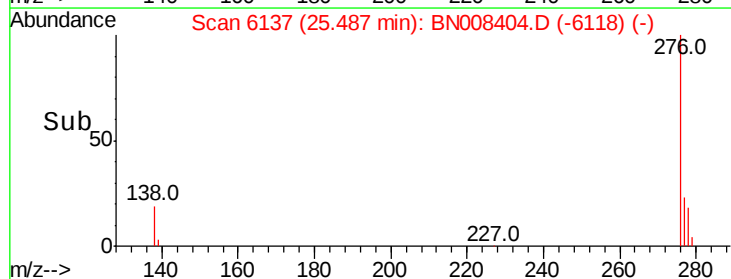
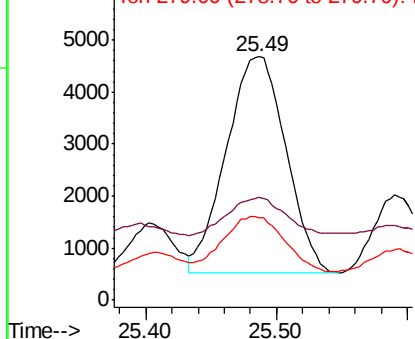
#25

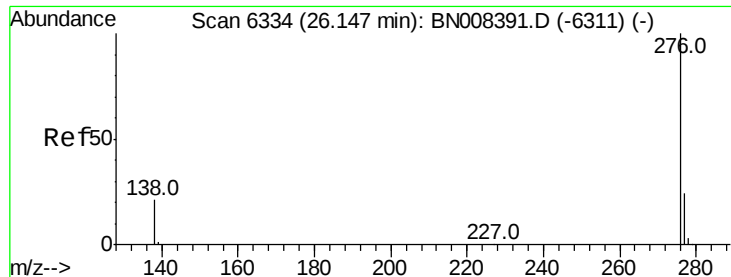
Dibenzo(a,h)anthracene
Concen: 0.435 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.04 min
Lab File: BN008404.D
Acq: 25 Oct 2019 00:59

Tgt Ion:278 Resp: 13245
Ion Ratio Lower Upper
278 100
139 42.2 15.0 22.6#
279 34.0 22.4 33.6#



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





#26

Benzo(a,h,i)perylene

Concen: 1.691 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.03 min

Lab File: BN008404.D

Acq: 25 Oct 2019 00:59

Instrument :

BNA_N

ClientSampleId :

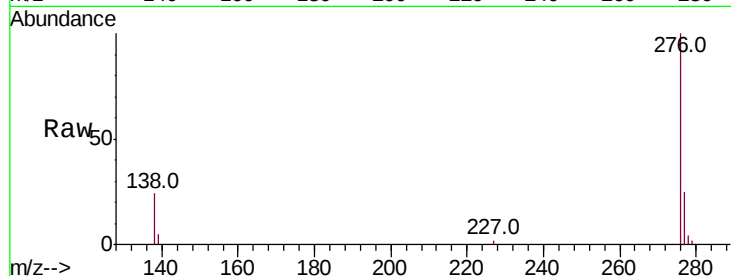
Tot Ion:276 Resp: 59696

Ion Ratio Lower Upper

276 100

138 23.5 17.0 25.4

277 24.7 20.4 30.6



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

