

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
 Data File : BN008228.D
 Acq On : 17 Oct 2019 19:22
 Operator : JU
 Sample : K5177-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 18 01:59:12 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 : Thu Oct 17 01:48:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2998	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14630	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	9199	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.99
16) Chrysene-d12	21.19	240	15497	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	12279	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3554	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	10549	0.00	ng/ul	0.00

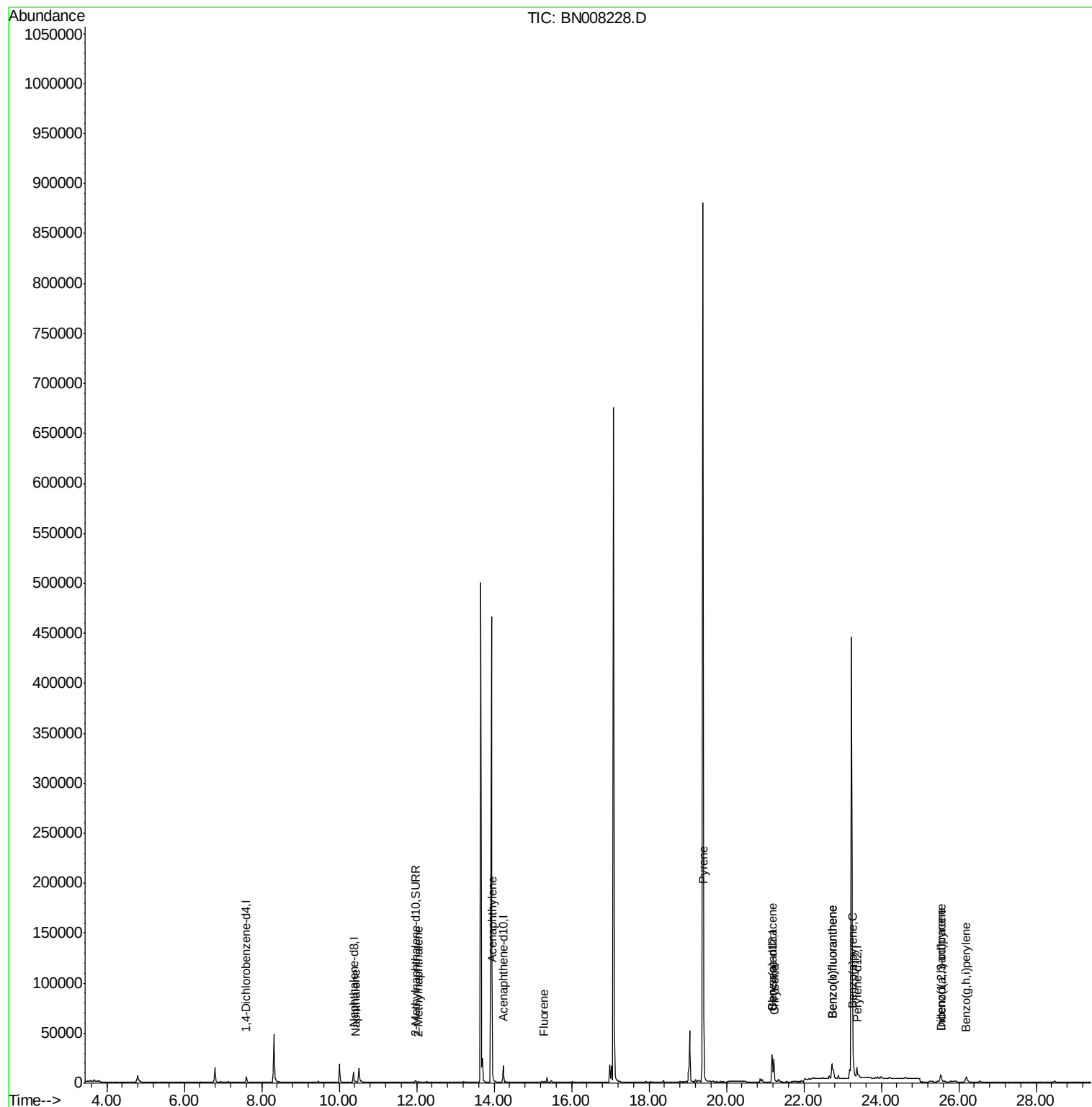
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	1112	0.027	ng/ul#	83
5) 2-Methylnaphthalene	12.04	142	641	0.022	ng/ul	100
7) Acenaphthylene	13.95	152	2427	0.055	ng/ul#	91
9) Fluorene	15.29	166	991	0.026	ng/ul#	96
17) Pyrene	19.41	202	43265	0.701	ng/ul	97
18) Benzo(a)anthracene	21.17	228	20545	0.365	ng/ul	97
19) Chrysene	21.22	228	24678	0.357	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	34023	0.851	ng/ul	96
22) Benzo(k)fluoranthene	22.72	252	34023	0.751	ng/ul#	95
23) Benzo(a)pyrene	23.28	252	16569	0.394	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.54	276	11735	0.237	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.54	278	2859	0.073	ng/ul#	72
26) Benzo(g,h,i)perylene	26.19	276	10965	0.241	ng/ul	97

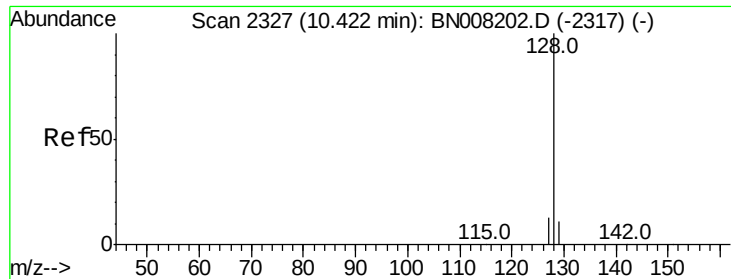
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.027 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

Instrument :

BNA_N

ClientSampleId :

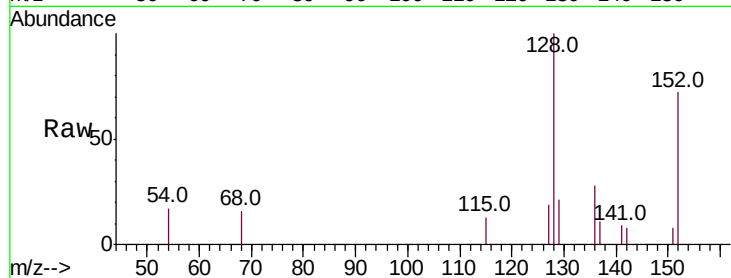
Tot Ion:128 Resp: 1112

Ion Ratio Lower Upper

128 100

129 21.4 9.8 14.8#

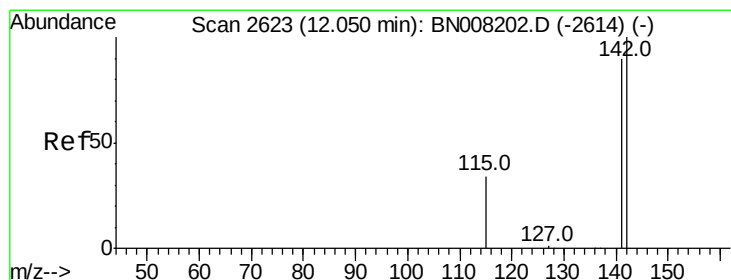
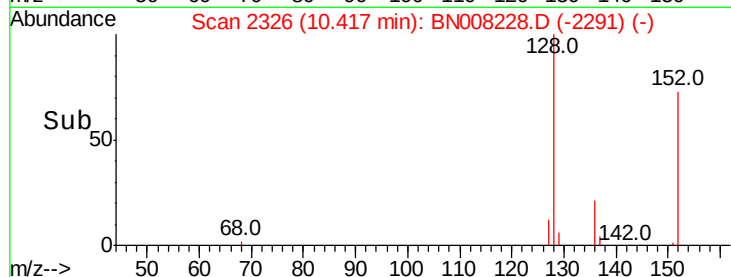
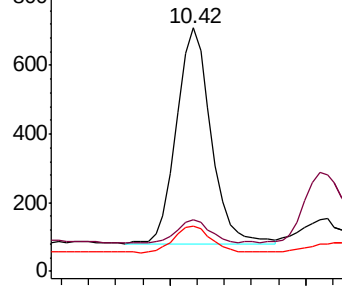
127 18.6 11.1 16.7#



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: 0.022 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008228.D

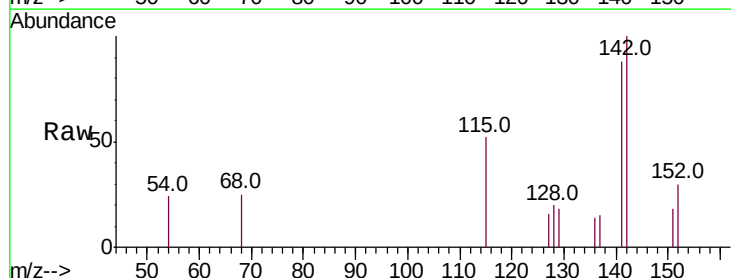
Acq: 17 Oct 2019 19:22

Tgt Ion:142 Resp: 641

Ion Ratio Lower Upper

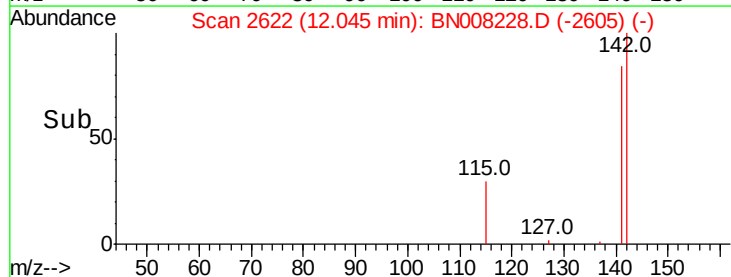
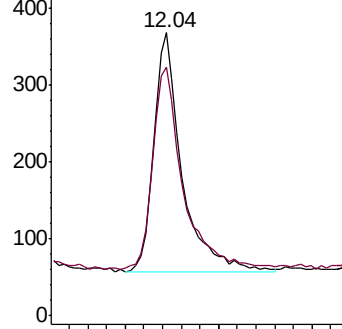
142 100

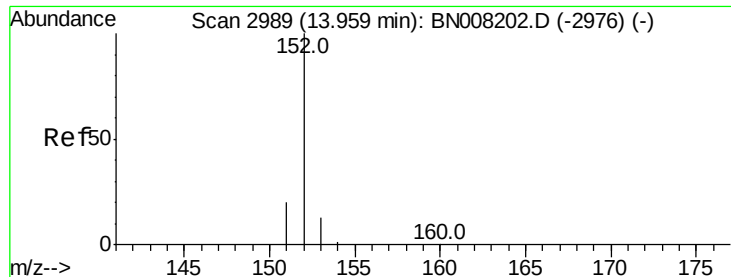
141 89.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.055 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

Instrument :

BNA_N

ClientSampleId :

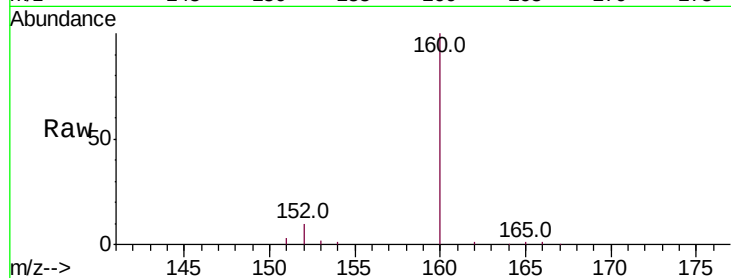
Tot Ion:152 Resp: 2427

Ion Ratio Lower Upper

152 100

151 24.7 16.2 24.4#

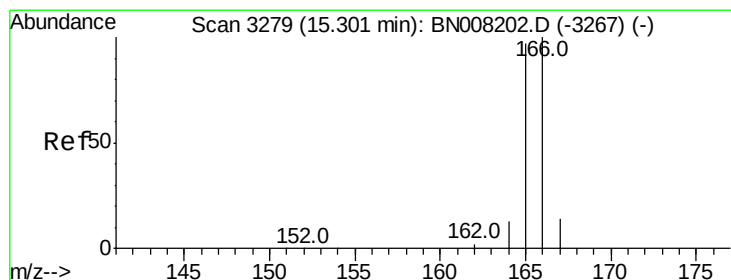
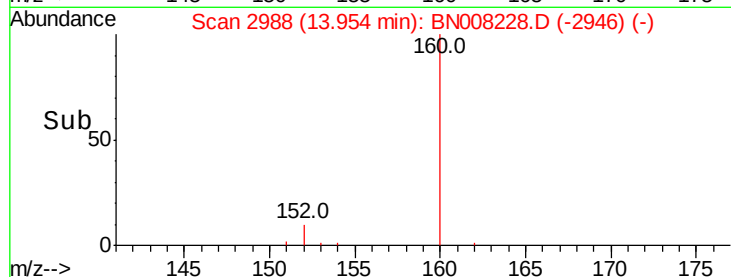
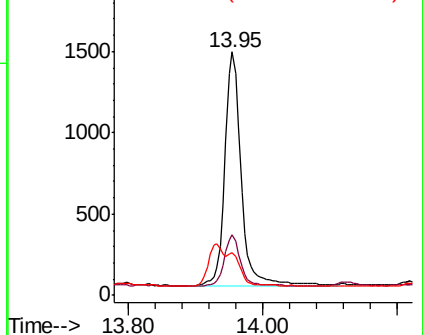
153 17.4 11.0 16.4#



Abundance Ion 152.00 (151.70 to 152.70): E

2000 Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.01 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

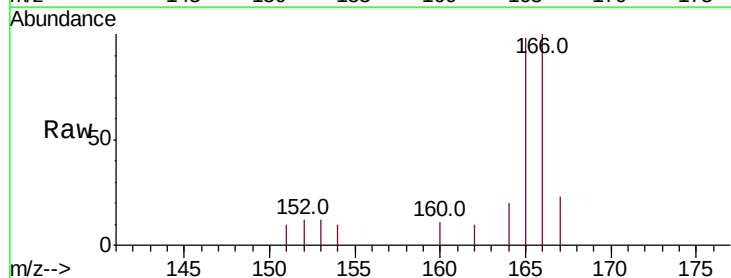
Tgt Ion:166 Resp: 991

Ion Ratio Lower Upper

166 100

165 97.7 76.6 115.0

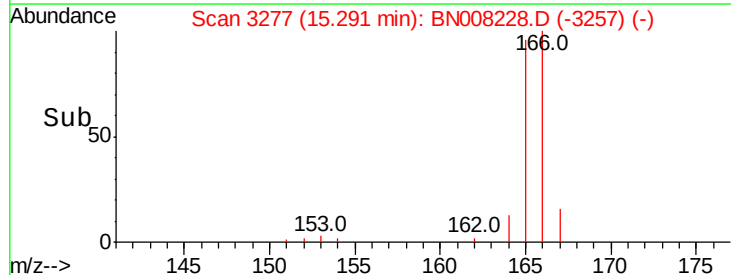
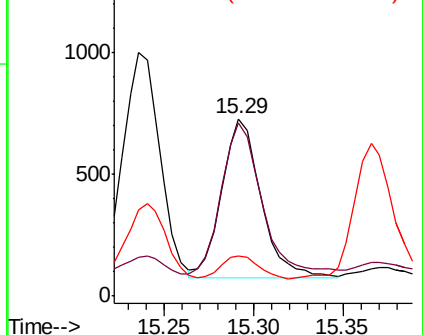
167 22.9 11.7 17.5#

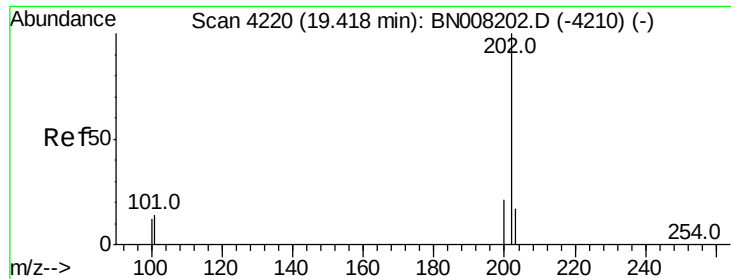


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

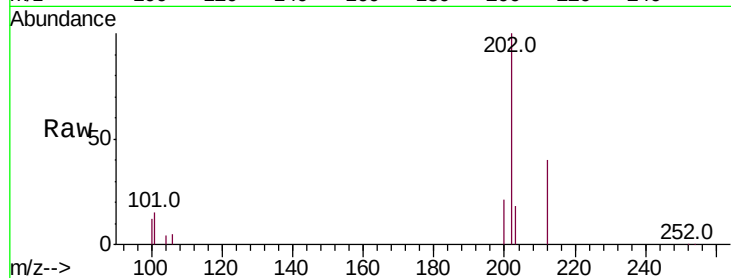




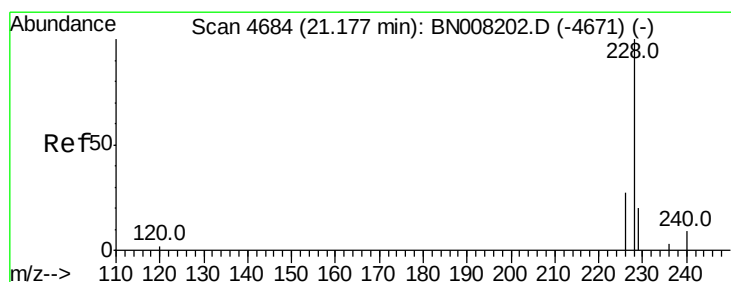
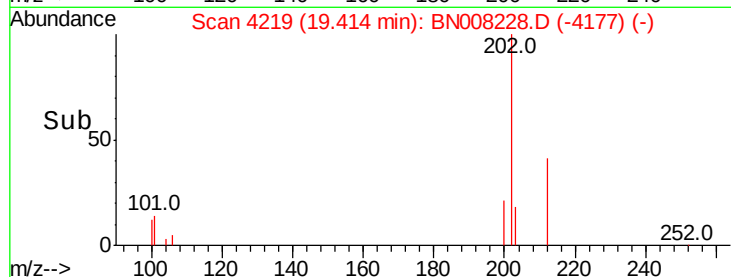
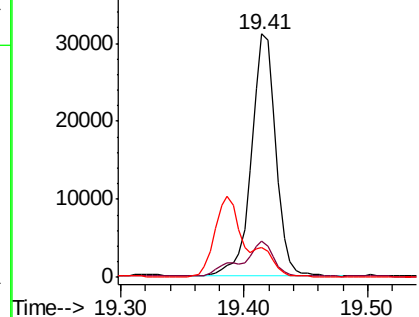
#17
Pvrene
Concen: 0.701 ng/ul
RT: 19.41 min Scan# 4219
Delta R.T. -0.00 min
Lab File: BN008228.D
Acq: 17 Oct 2019 19:22

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 43265
Ion Ratio Lower Upper
202 100
101 14.7 10.9 16.3
100 12.4 8.7 13.1

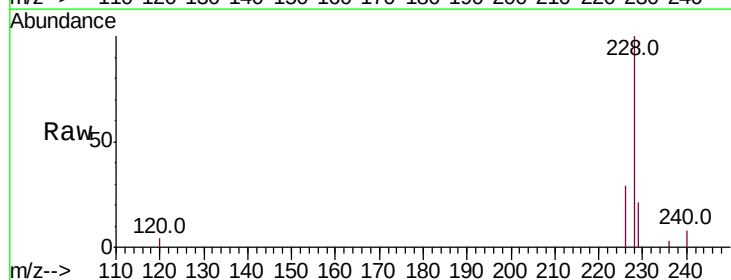


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

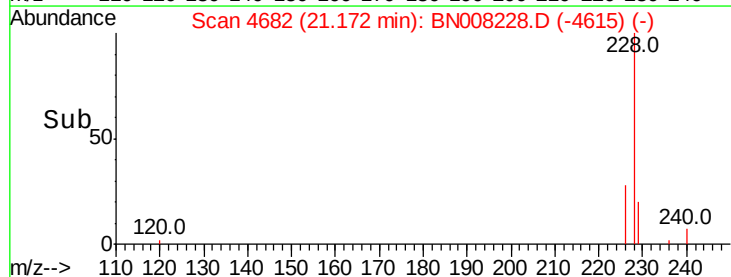
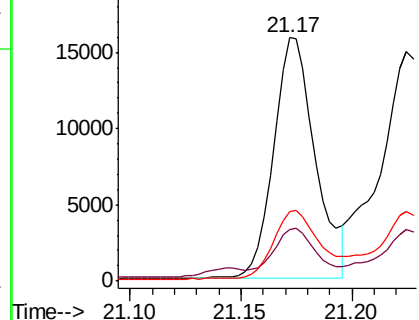


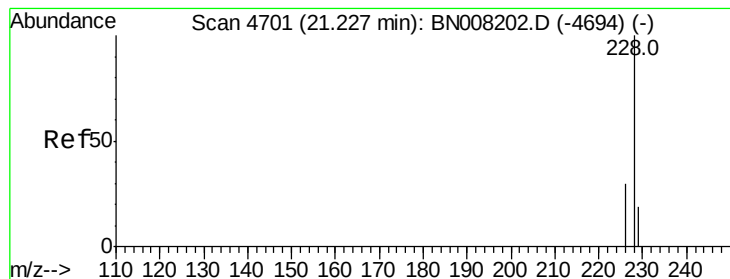
#18
Benzo(a)anthracene
Concen: 0.365 ng/ul
RT: 21.17 min Scan# 4682
Delta R.T. -0.01 min
Lab File: BN008228.D
Acq: 17 Oct 2019 19:22

Tgt Ion:228 Resp: 20545
Ion Ratio Lower Upper
228 100
229 21.4 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: 0.357 ng/ul

RT: 21.22 min Scan# 4700

Delta R.T. -0.00 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

Instrument :

BNA_N

ClientSampleId :

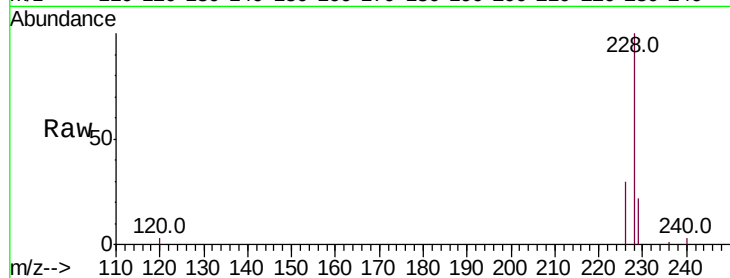
Tot Ion:228 Resp: 24678

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

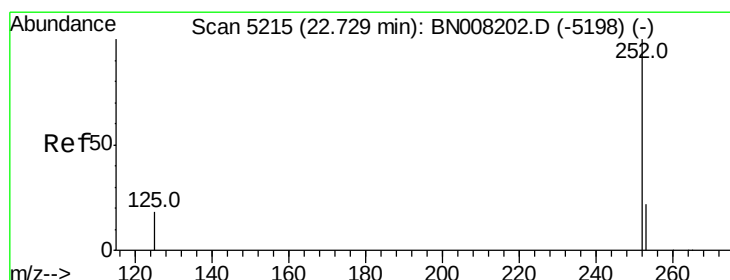
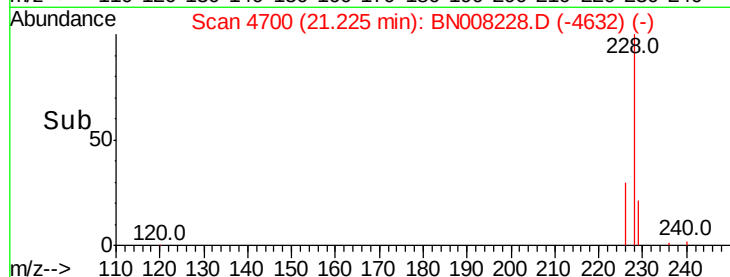
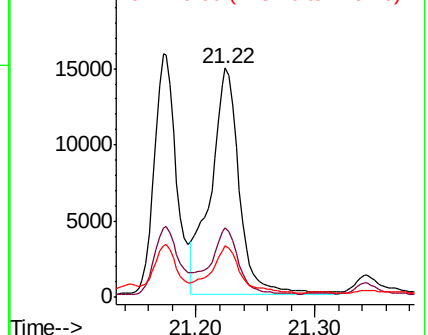
229 22.4 16.2 24.2



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



#21

Benzo(b)fluoranthene

Concen: 0.851 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.01 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

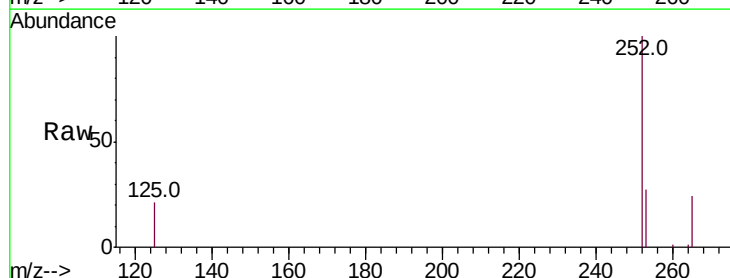
Tgt Ion:252 Resp: 34023

Ion Ratio Lower Upper

252 100

253 26.8 0.0 53.4

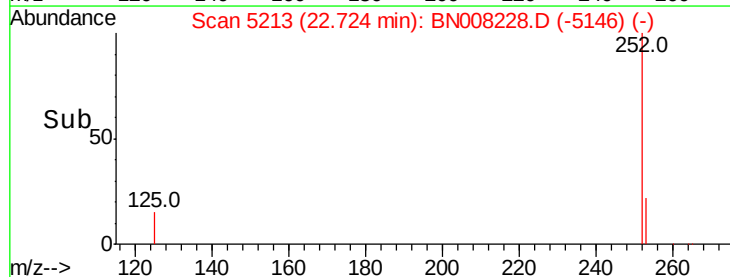
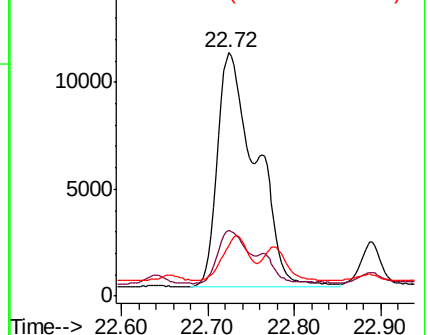
125 20.7 0.0 32.4

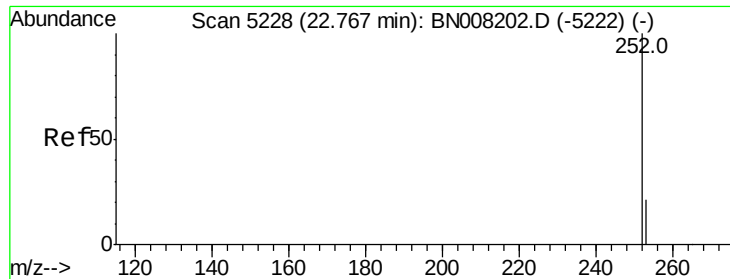


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.751 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.04 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

Instrument :

BNA_N

ClientSampleId :

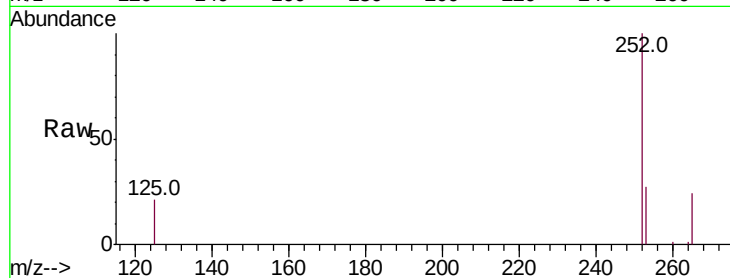
Tot Ion:252 Resp: 34023

Ion Ratio Lower Upper

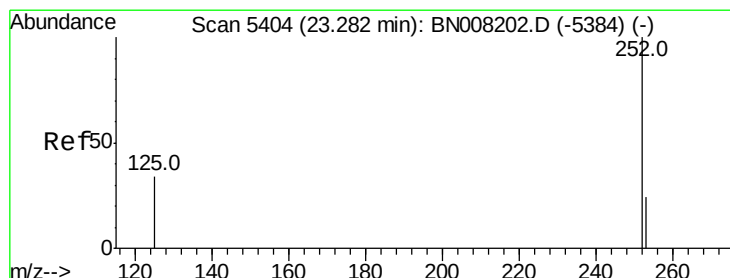
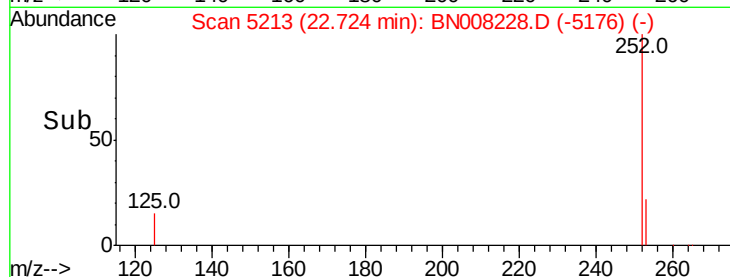
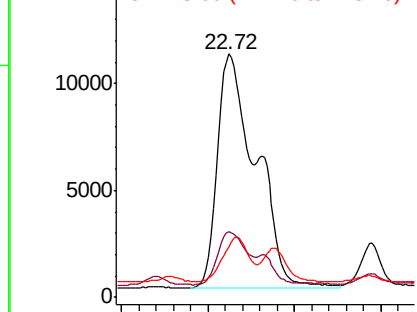
252 100

253 26.8 21.3 31.9

125 20.7 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: 0.394 ng/ul

RT: 23.28 min Scan# 5402

Delta R.T. -0.01 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

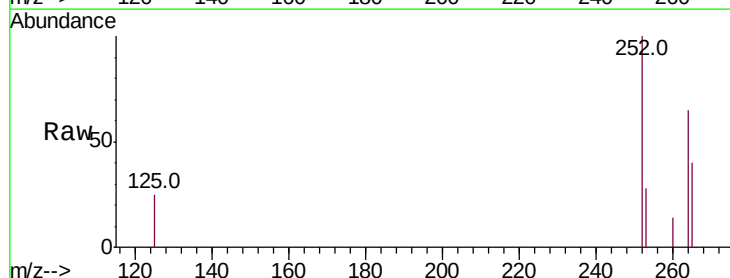
Tgt Ion:252 Resp: 16569

Ion Ratio Lower Upper

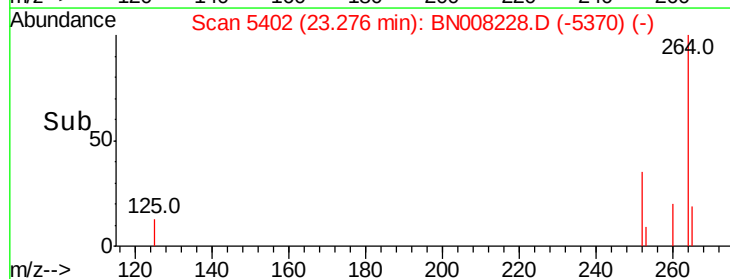
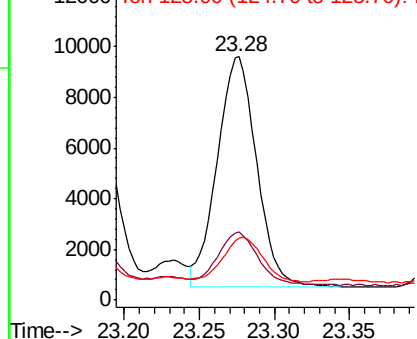
252 100

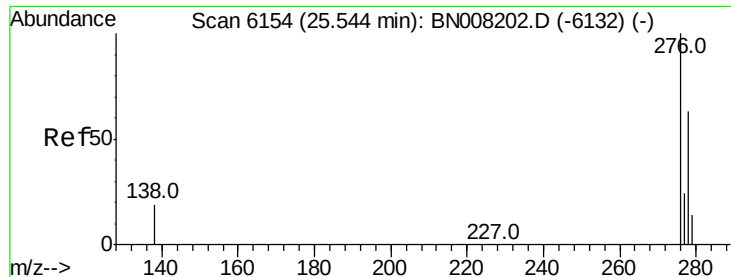
253 27.9 22.8 34.2

125 25.5 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



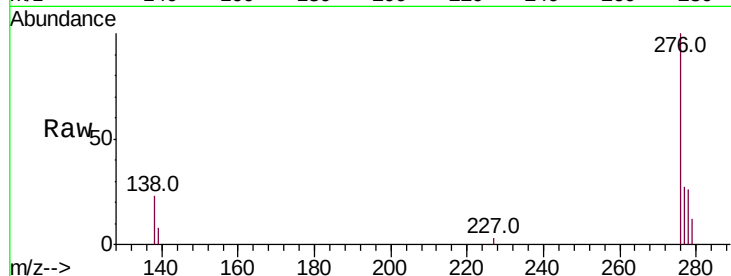


#24

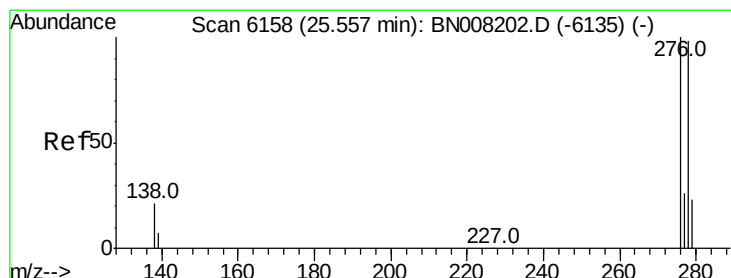
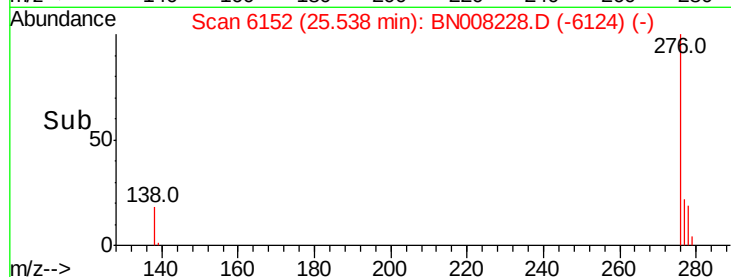
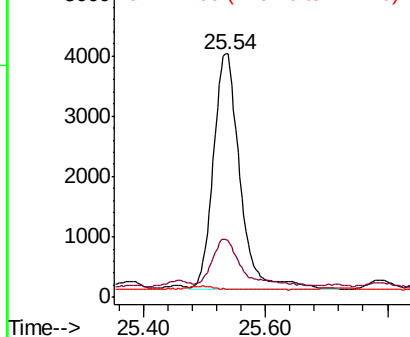
Indeno(1,2,3-cd)pyrene
Concen: 0.237 ng/ul
RT: 25.54 min Scan# 6152
Delta R.T. -0.01 min
Lab File: BN008228.D
Acq: 17 Oct 2019 19:22

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 11735
Ion Ratio Lower Upper
276 100
138 21.5 16.1 24.1
227 0.0 0.2 0.2#



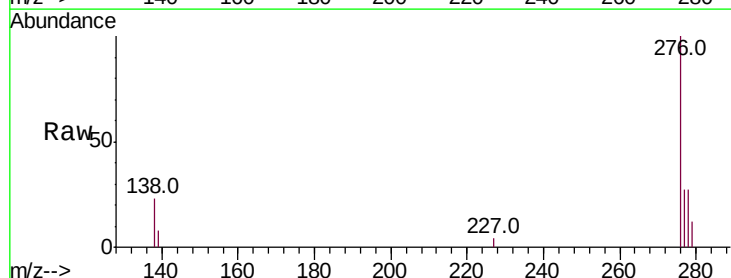
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



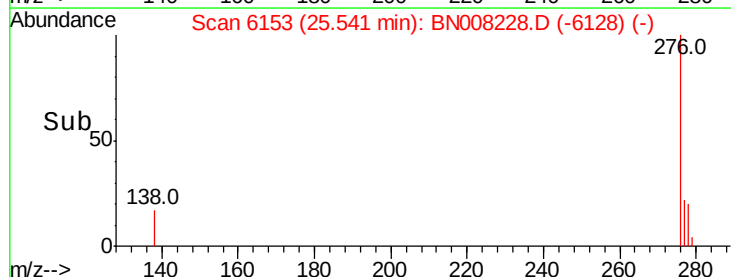
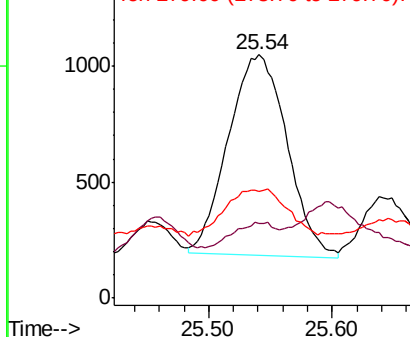
#25

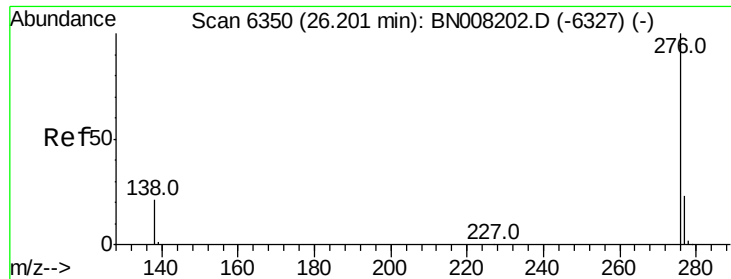
Dibenzo(a,h)anthracene
Concen: 0.073 ng/ul
RT: 25.54 min Scan# 6153
Delta R.T. -0.02 min
Lab File: BN008228.D
Acq: 17 Oct 2019 19:22

Tgt Ion:278 Resp: 2859
Ion Ratio Lower Upper
278 100
139 30.9 15.0 22.6#
279 43.5 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: 0.241 ng/ul

RT: 26.19 min Scan# 6348

Delta R.T. -0.01 min

Lab File: BN008228.D

Acq: 17 Oct 2019 19:22

Instrument :

BNA_N

ClientSampleId :

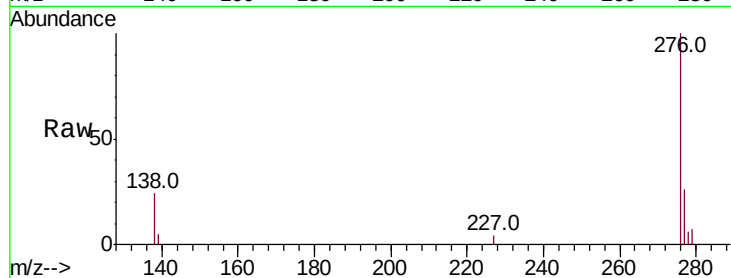
Tot Ion:276 Resp: 10965

Ion Ratio Lower Upper

276 100

138 23.6 17.0 25.4

277 26.2 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

