

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
 Data File : BN006823.D
 Acq On : 12 Jul 2019 08:08
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 12 08:43:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 06:39:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2193	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	8313	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	4460	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9809	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	7942	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	8775	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.98	152	4714	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	10422	0.36	ng/ul	0.00

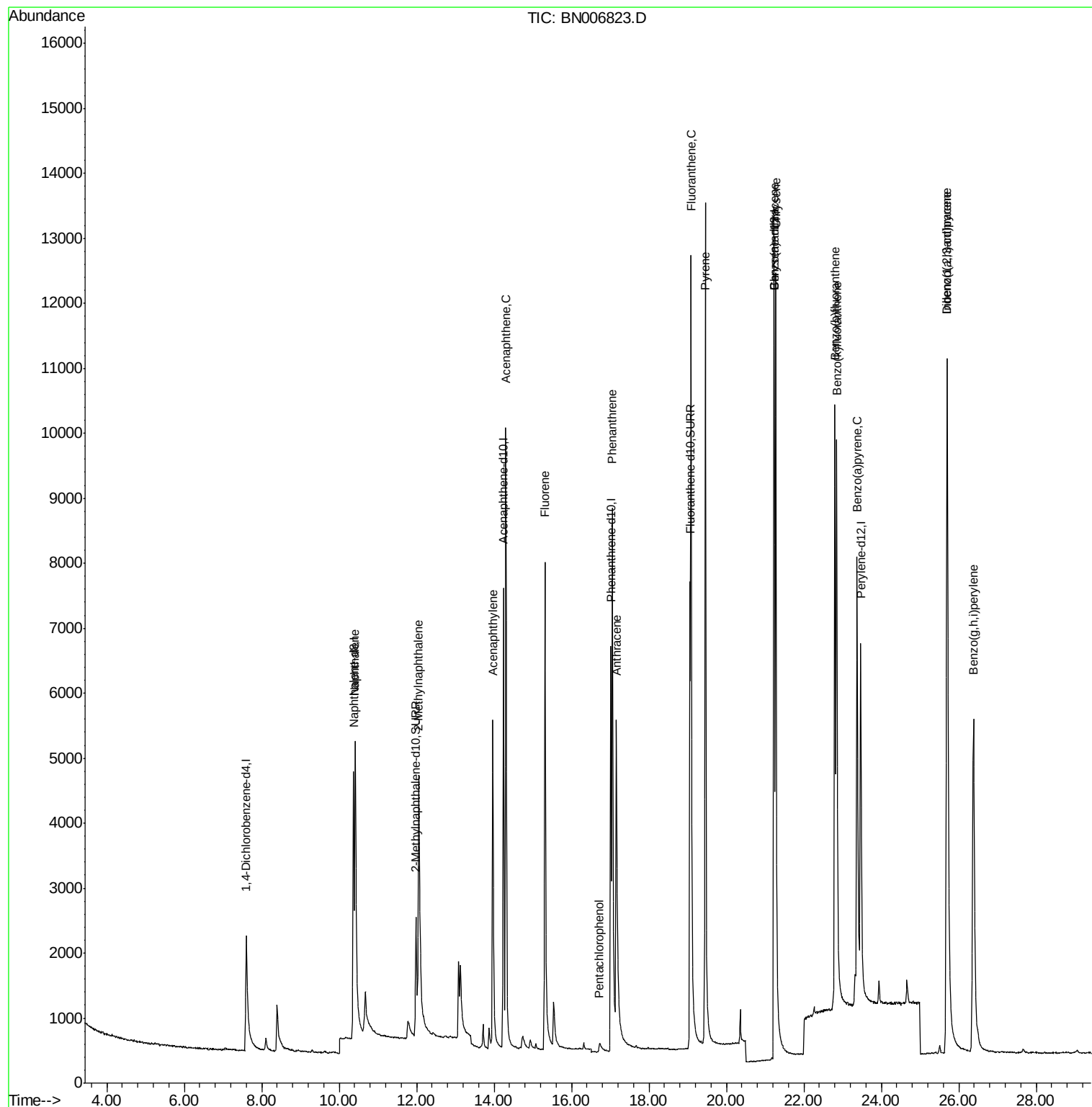
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.42	128	9316	0.390	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	5651	0.350	ng/ul	98
7) Acenaphthylene	13.96	152	8127	0.353	ng/ul	99
8) Acenaphthene	14.31	153	6704	0.378	ng/ul	99
9) Fluorene	15.31	166	7044	0.362	ng/ul	99
11) Pentachlorophenol	16.72	266	389	0.266	ng/ul#	85
12) Phenanthrene	17.05	178	11562	0.366	ng/ul	99
13) Anthracene	17.15	178	8901	0.326	ng/ul	99
15) Fluoranthene	19.09	202	13527	0.347	ng/ul	99
17) Pyrene	19.45	202	14249	0.393	ng/ul	99
18) Benzo(a)anthracene	21.22	228	10829	0.332	ng/ul	99
19) Chrysene	21.28	228	14744	0.405	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	12620	0.351	ng/ul	97
22) Benzo(k)fluoranthene	22.85	252	14719	0.391	ng/ul	98
23) Benzo(a)pyrene	23.37	252	12852	0.365	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.70	276	15084	0.423	ng/ul	93
25) Dibenzo(a,h)anthracene	25.70	278	11757	0.415	ng/ul	96
26) Benzo(g,h,i)perylene	26.38	276	13372	0.449	ng/ul	97

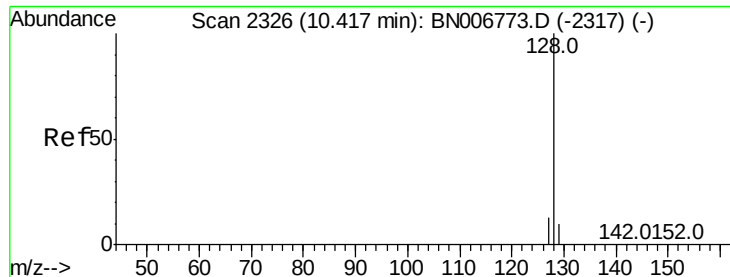
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

Instrument :

BNA_N

ClientSampleId :

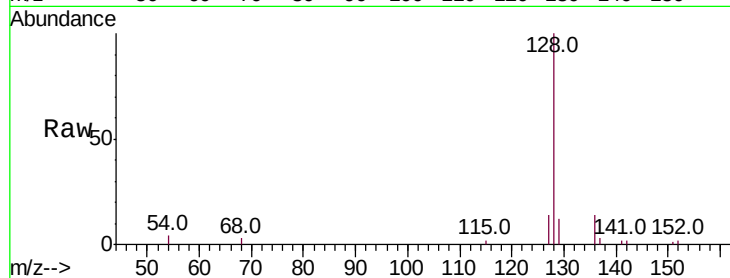
Tot Ion:128 Resp: 9316

Ion Ratio Lower Upper

128 100

129 12.4 9.4 14.0

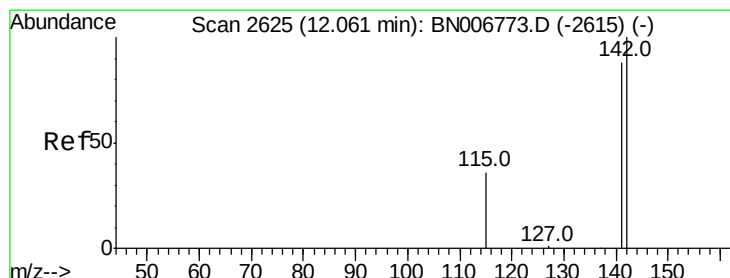
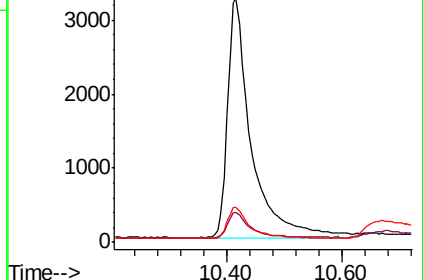
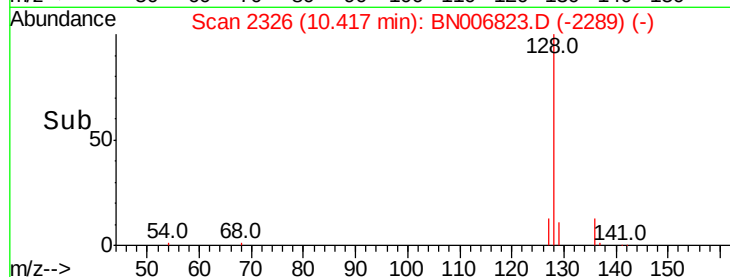
127 14.2 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 0.350 ng/ul

RT: 12.06 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BN006823.D

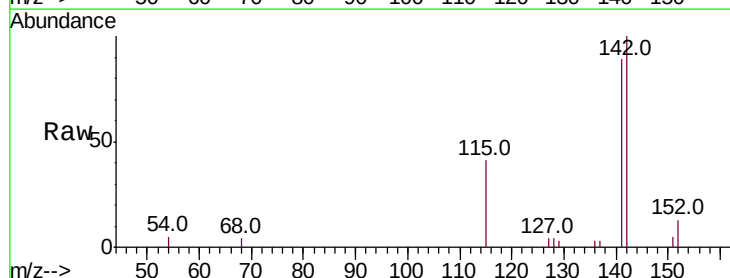
Acq: 12 Jul 2019 08:08

Tgt Ion:142 Resp: 5651

Ion Ratio Lower Upper

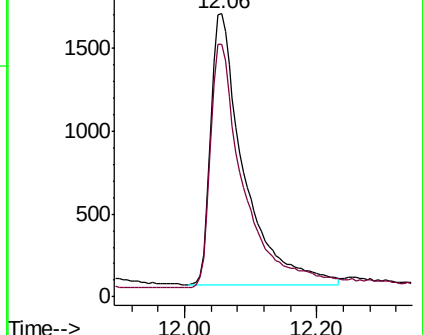
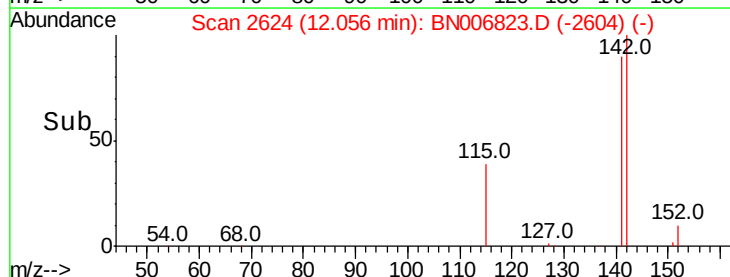
142 100

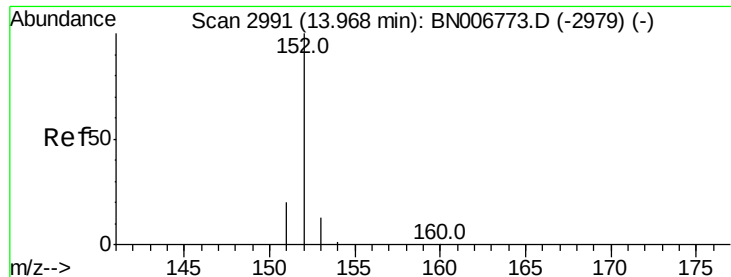
141 91.6 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.353 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

Instrument :

BNA_N

ClientSampleId :

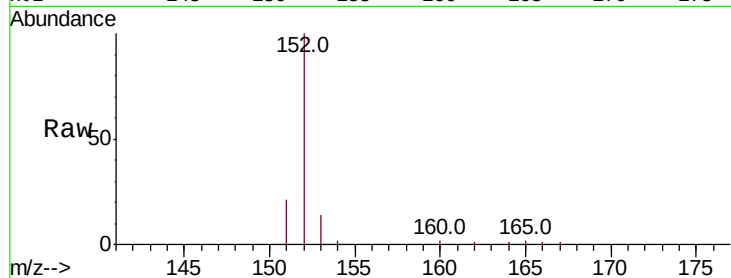
Tot Ion:152 Resp: 8127

Ion Ratio Lower Upper

152 100

151 20.8 16.1 24.1

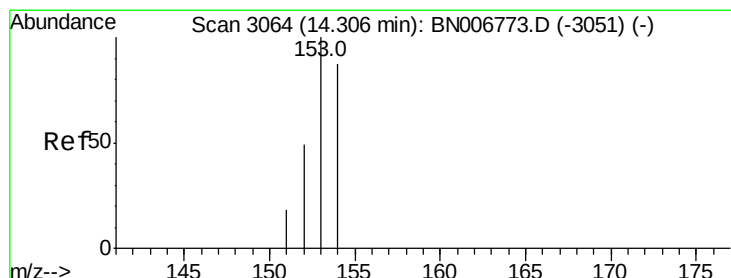
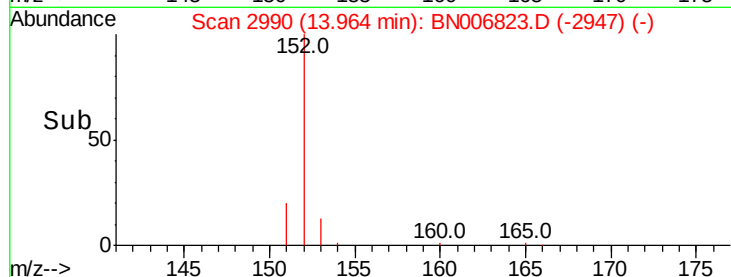
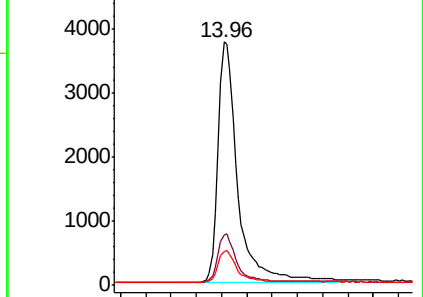
153 14.1 11.2 16.8



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: 0.378 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

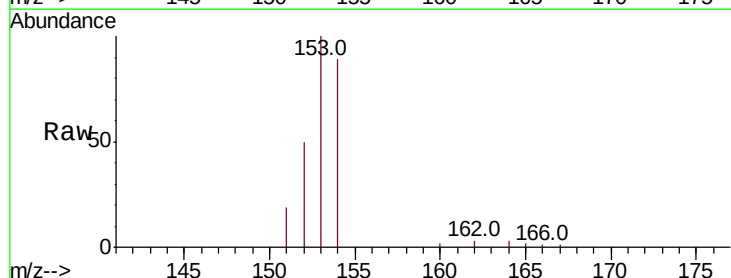
Tgt Ion:153 Resp: 6704

Ion Ratio Lower Upper

153 100

152 49.9 39.3 58.9

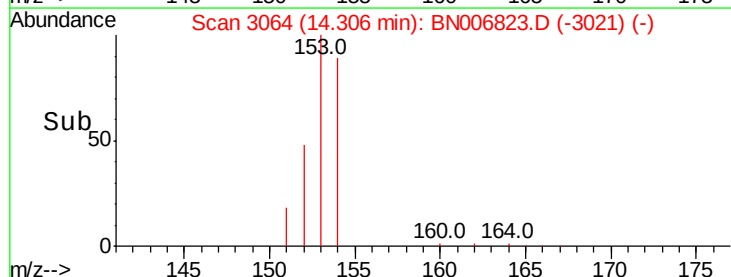
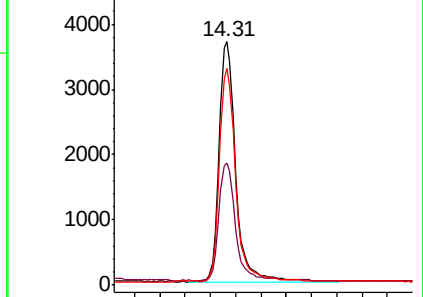
154 88.8 70.6 105.8

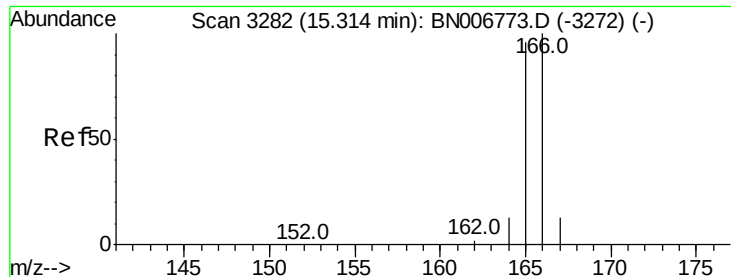


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

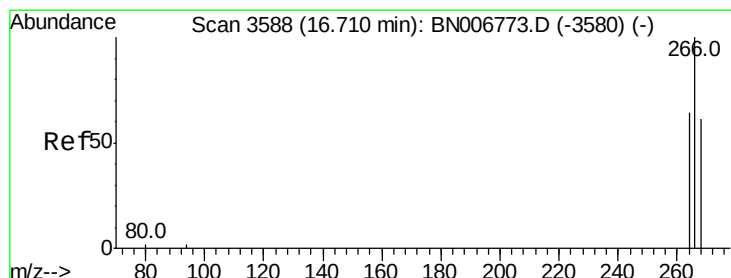
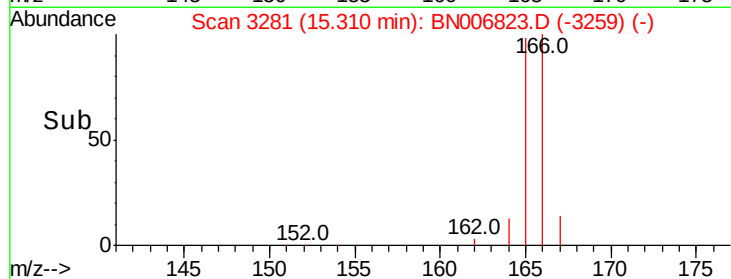
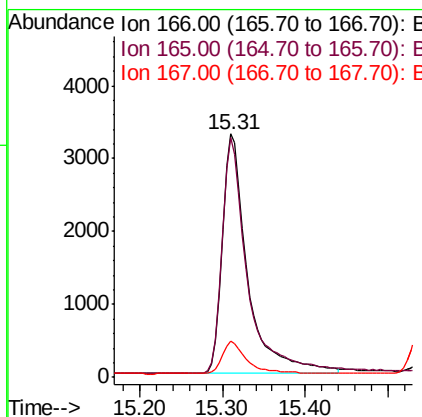
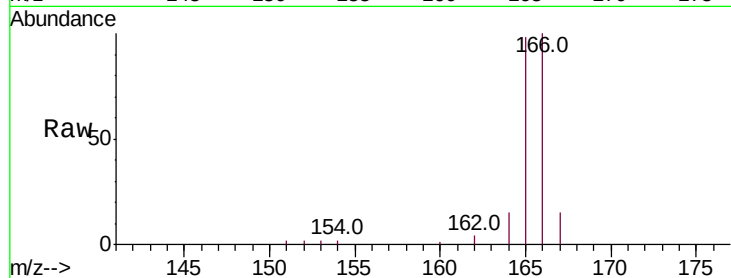




#9
Fluorene
 Concen: 0.362 ng/ul
 RT: 15.31 min Scan# 3281
 Delta R.T. 0.00 min
 Lab File: BN006823.D
 Acq: 12 Jul 2019 08:08

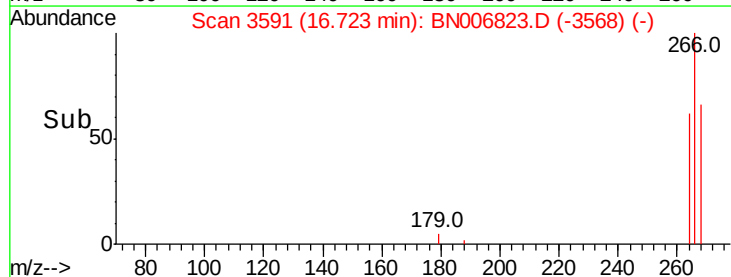
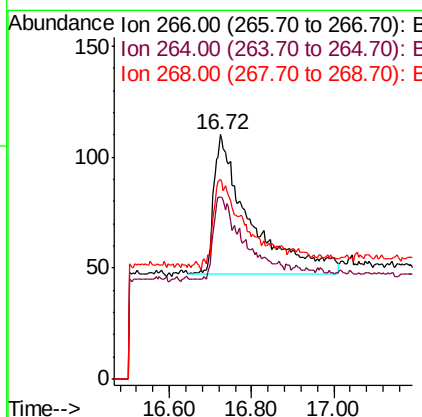
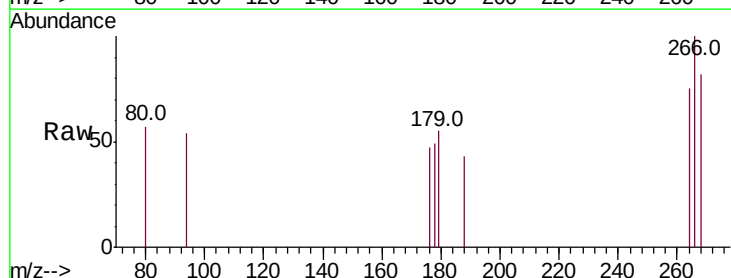
Instrument :
 BNA_N
 ClientSampleId :

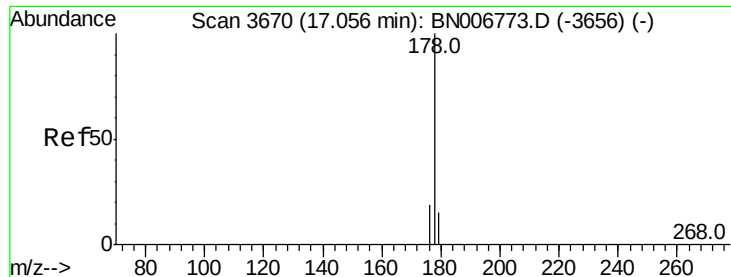
Tot Ion:166 Resp: 7044
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.2 117.4
 167 14.9 11.3 16.9



#11
Pentachlorophenol
 Concen: 0.266 ng/ul
 RT: 16.72 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: BN006823.D
 Acq: 12 Jul 2019 08:08

Tgt Ion:266 Resp: 389
 Ion Ratio Lower Upper
 266 100
 264 49.6 45.9 68.9
 268 74.3 48.1 72.1#





#12

Phenanthrene

Concen: 0.366 ng/ul

RT: 17.05 min Scan# 3669

Delta R.T. 0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

Instrument :

BNA_N

ClientSampleId :

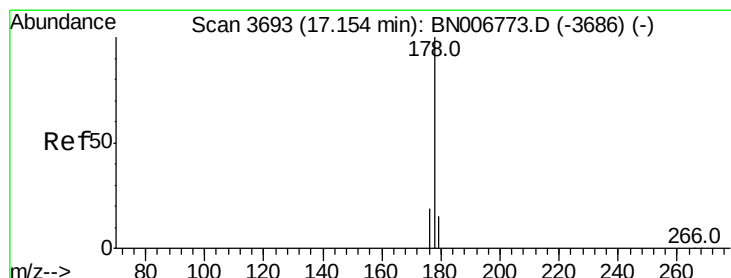
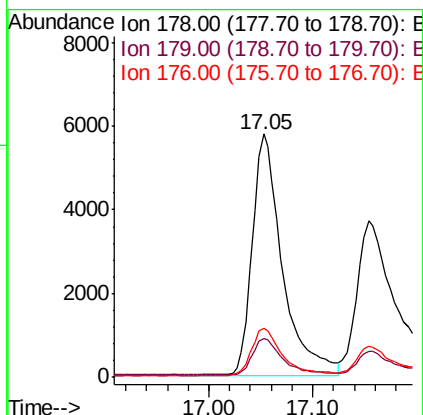
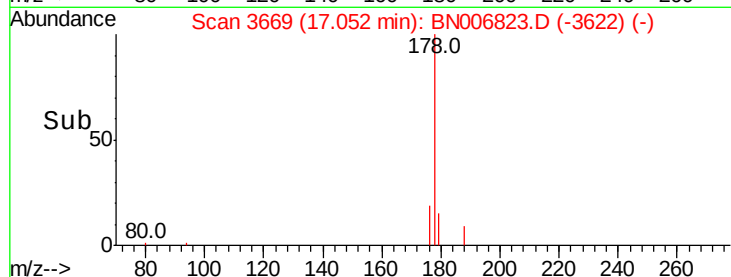
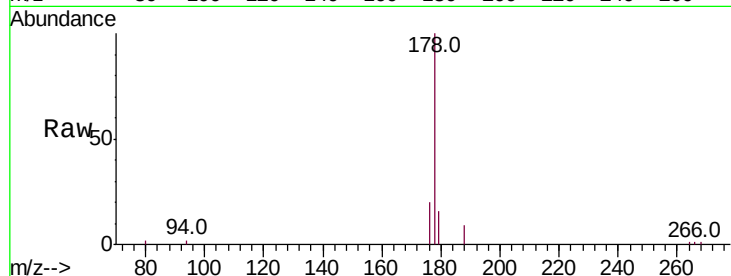
Tot Ion:178 Resp: 11562

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

176 19.9 15.8 23.8



#13

Anthracene

Concen: 0.326 ng/ul

RT: 17.15 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

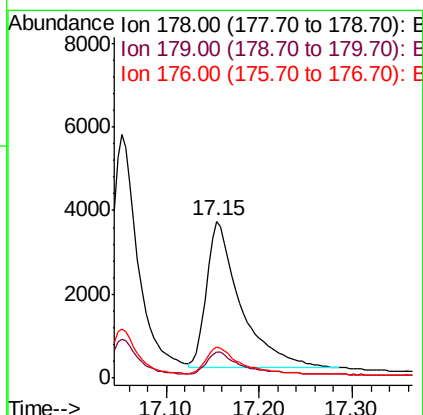
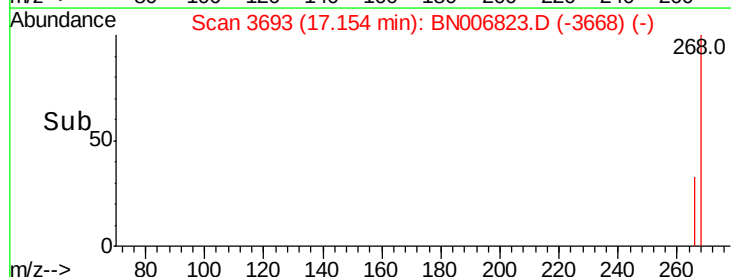
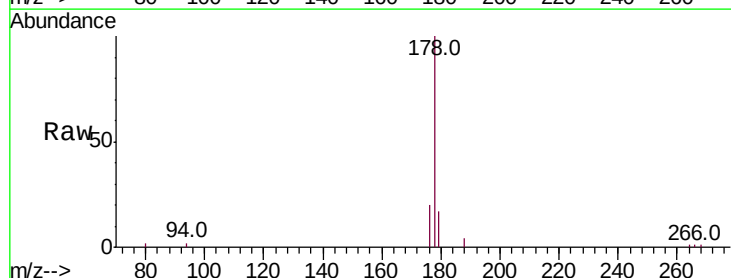
Tgt Ion:178 Resp: 8901

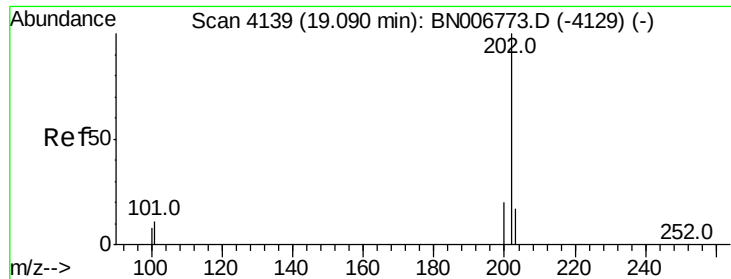
Ion Ratio Lower Upper

178 100

179 17.0 12.7 19.1

176 19.8 15.8 23.6

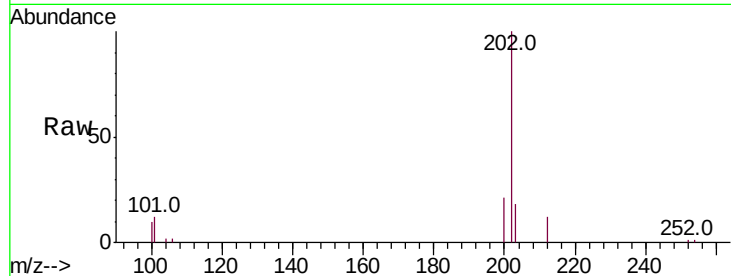




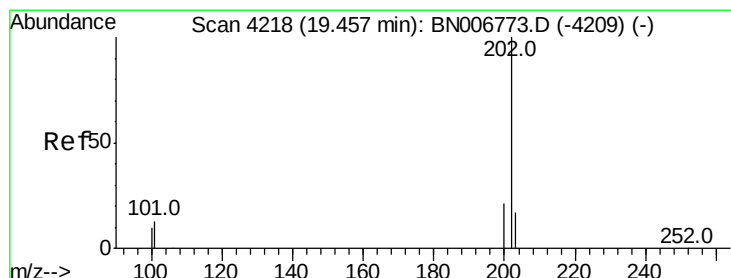
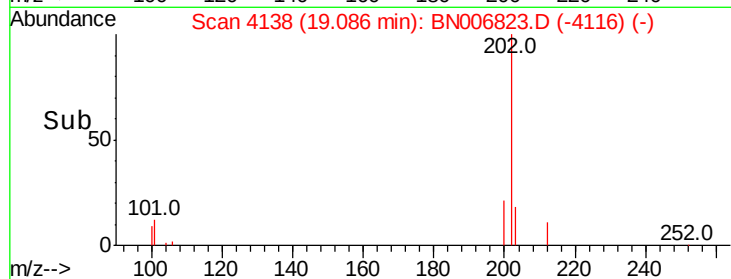
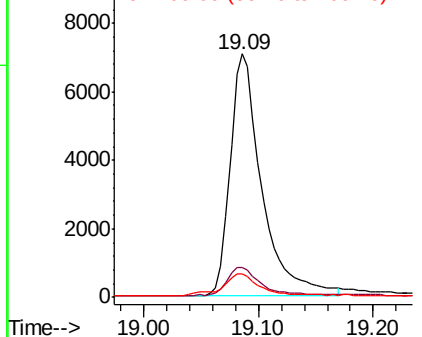
#15
Fluoranthene
Concen: 0.347 ng/ul
RT: 19.09 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BN006823.D
Acq: 12 Jul 2019 08:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 13527
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
100 9.8 0.0 29.9

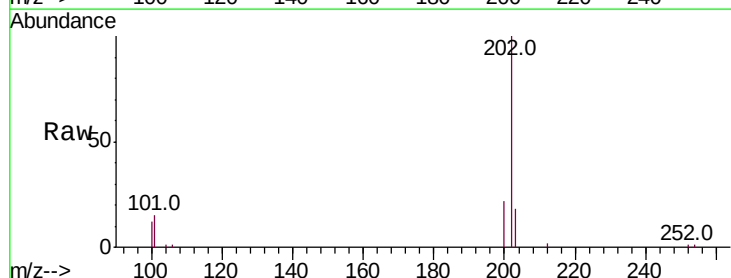


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

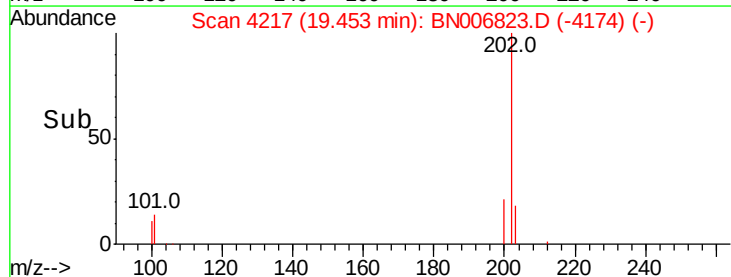
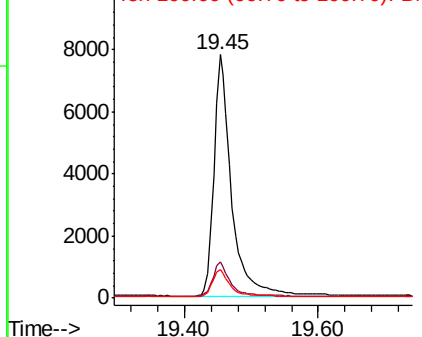


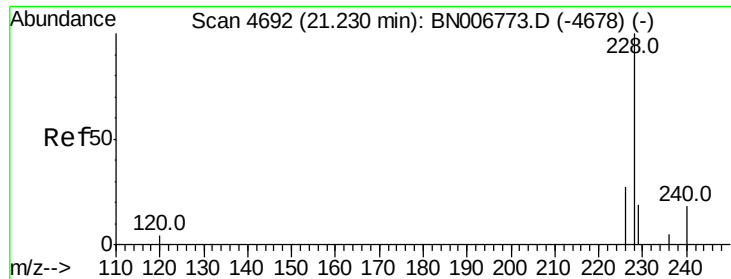
#17
Pyrene
Concen: 0.393 ng/ul
RT: 19.45 min Scan# 4217
Delta R.T. 0.00 min
Lab File: BN006823.D
Acq: 12 Jul 2019 08:08

Tgt Ion:202 Resp: 14249
Ion Ratio Lower Upper
202 100
101 15.0 12.2 18.2
100 11.9 9.8 14.8



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

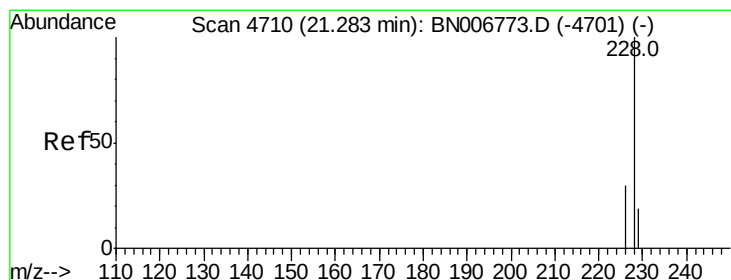
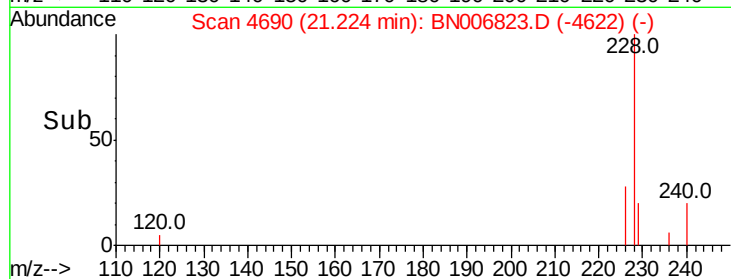
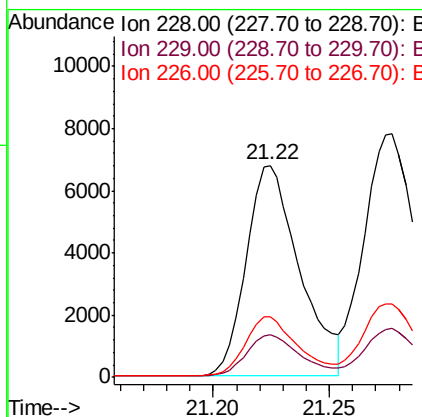
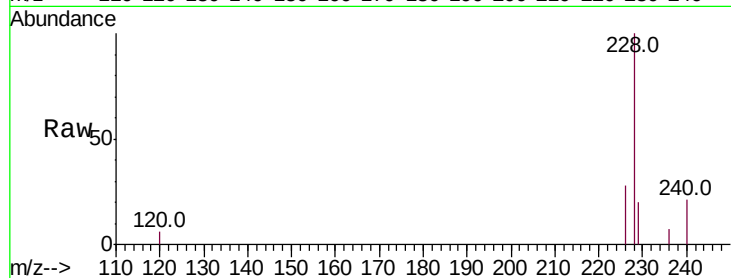




#18
Benzo(a)anthracene
Concen: 0.332 ng/ul
RT: 21.22 min Scan# 4690
Delta R.T. 0.00 min
Lab File: BN006823.D
Acq: 12 Jul 2019 08:08

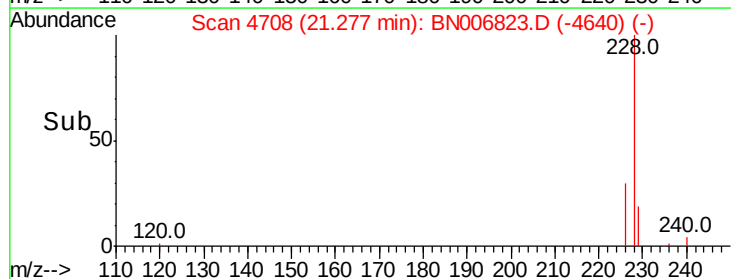
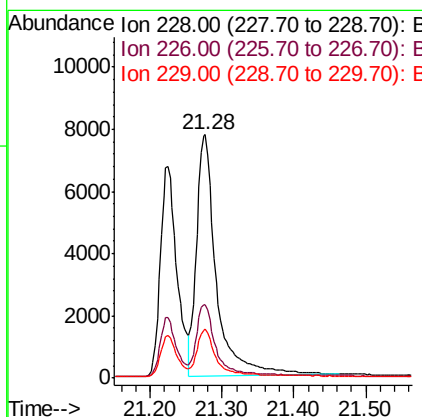
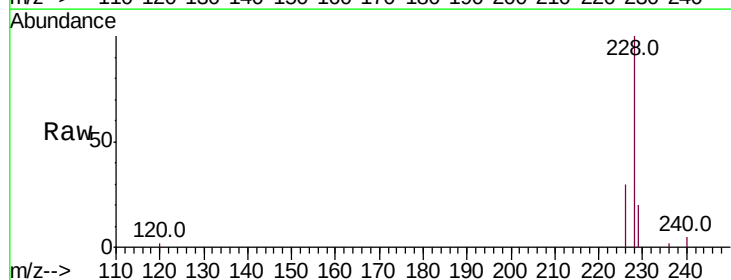
Instrument :
BNA_N
ClientSampleId :

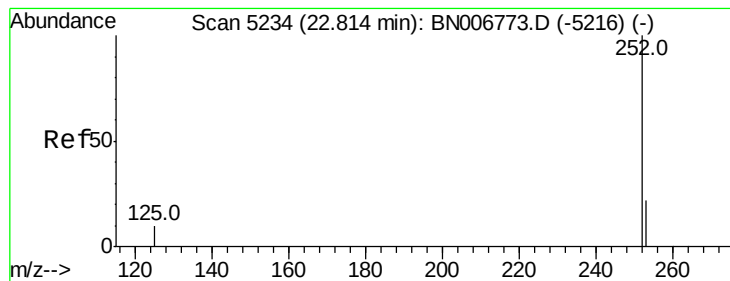
Tot Ion:228 Resp: 10829
Ion Ratio Lower Upper
228 100
229 20.3 15.9 23.9
226 28.5 22.6 34.0



#19
Chrysene
Concen: 0.405 ng/ul
RT: 21.28 min Scan# 4708
Delta R.T. 0.00 min
Lab File: BN006823.D
Acq: 12 Jul 2019 08:08

Tgt Ion:228 Resp: 14744
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 19.9 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 0.351 ng/ul

RT: 22.80 min Scan# 5229

Delta R.T. -0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

Instrument :

BNA_N

ClientSampleId :

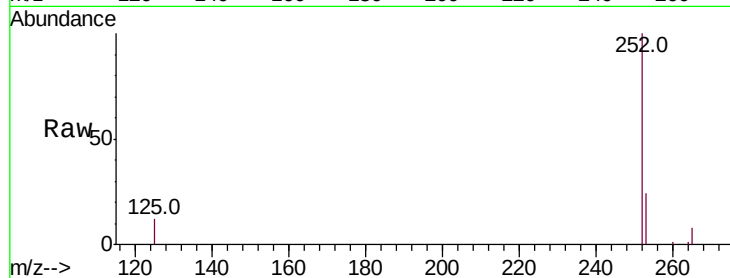
Tot Ion:252 Resp: 12620

Ion Ratio Lower Upper

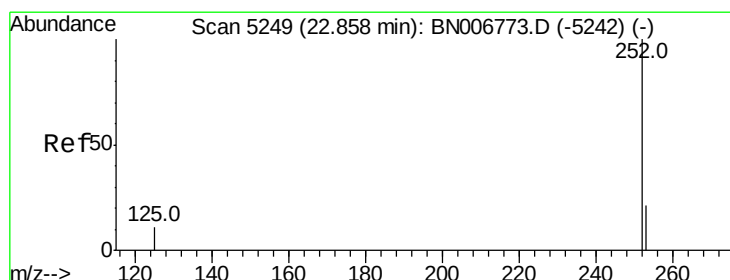
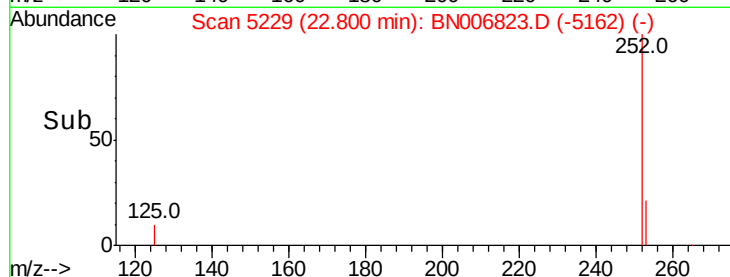
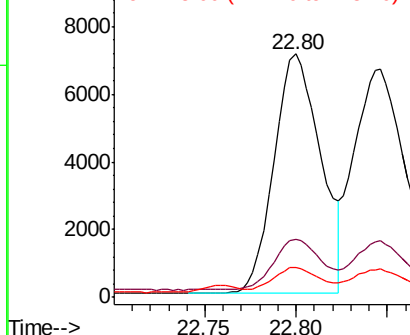
252 100

253 24.1 0.0 47.8

125 12.0 0.0 29.2



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: 0.391 ng/ul

RT: 22.85 min Scan# 5245

Delta R.T. 0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

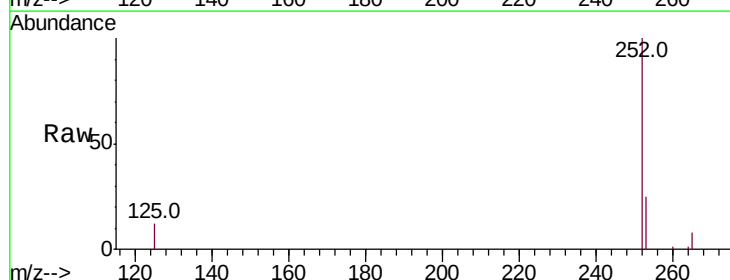
Tgt Ion:252 Resp: 14719

Ion Ratio Lower Upper

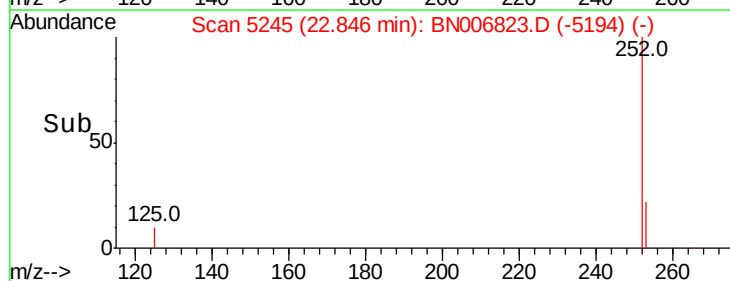
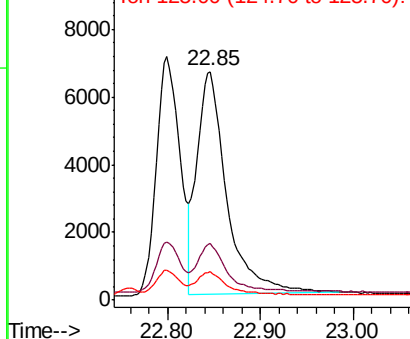
252 100

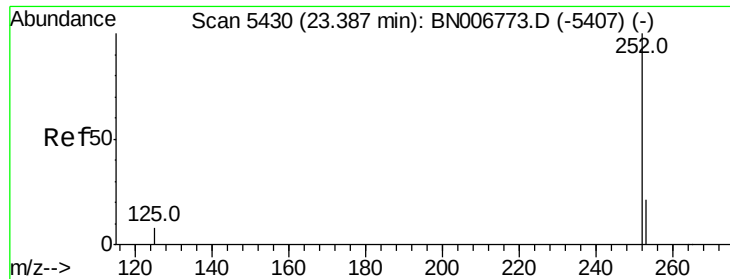
253 24.6 19.2 28.8

125 12.4 11.0 16.6



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





#23

Benzo(a)pyrene

Concen: 0.365 ng/ul

RT: 23.37 min Scan# 5425

Delta R.T. -0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

Instrument :

BNA_N

ClientSampleId :

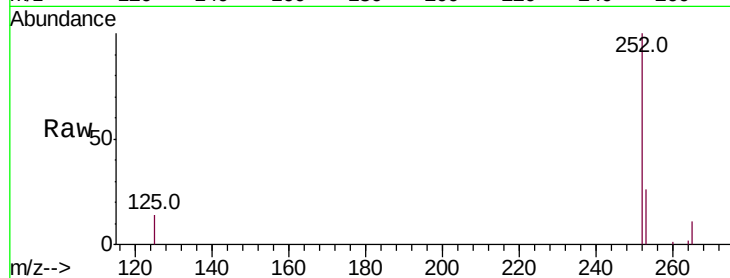
Tot Ion:252 Resp: 12852

Ion Ratio Lower Upper

252 100

253 26.0 19.4 29.2

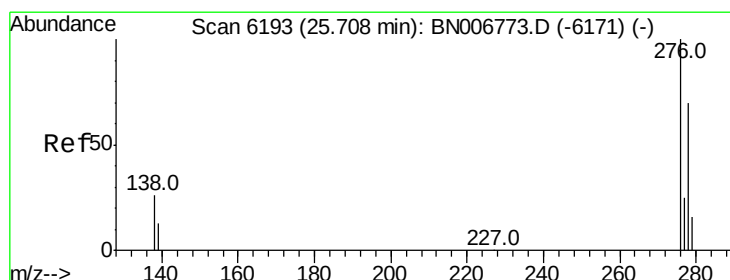
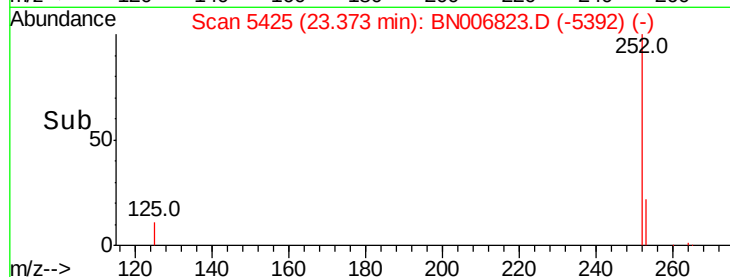
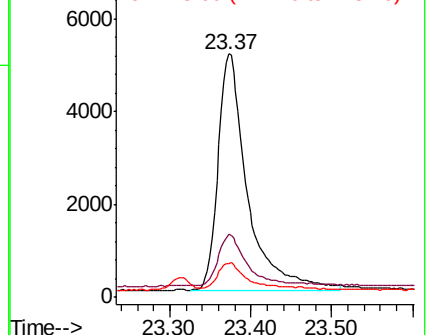
125 14.0 12.6 19.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.423 ng/ul

RT: 25.70 min Scan# 6190

Delta R.T. 0.00 min

Lab File: BN006823.D

Acq: 12 Jul 2019 08:08

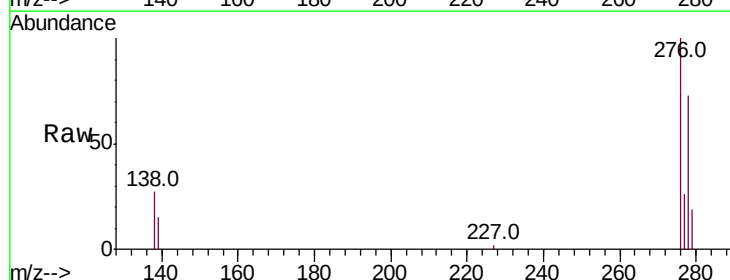
Tgt Ion:276 Resp: 15084

Ion Ratio Lower Upper

276 100

138 26.6 24.3 36.5

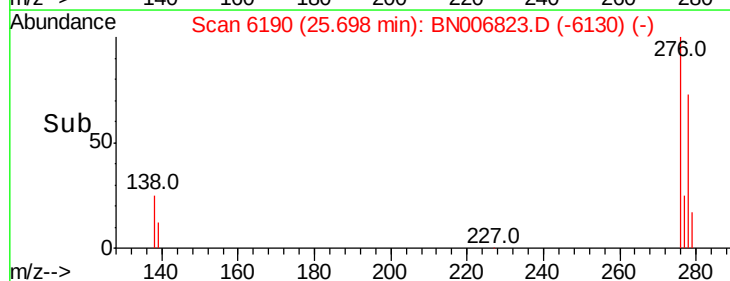
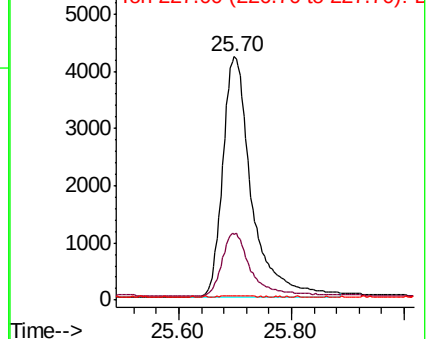
227 0.2 0.2 0.4

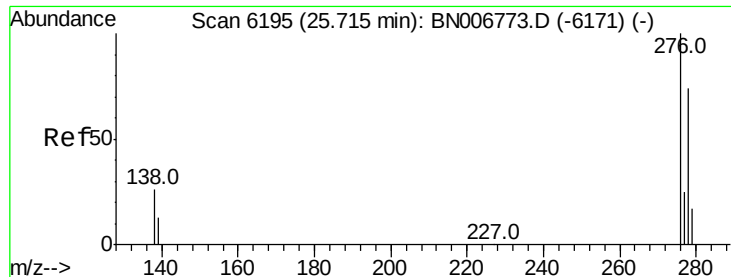


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

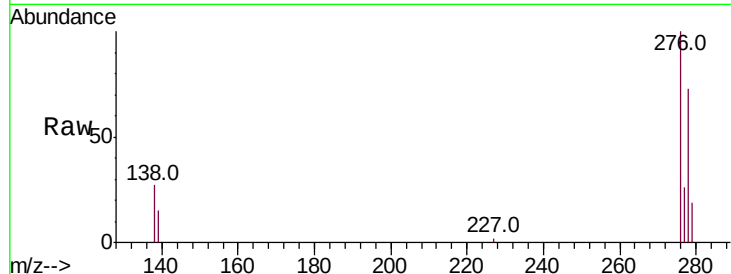




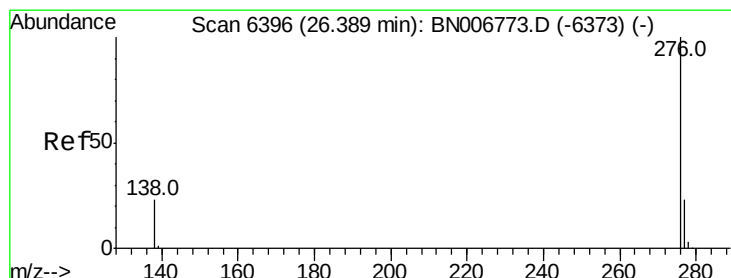
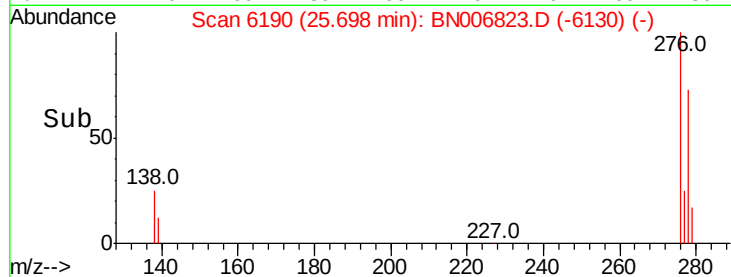
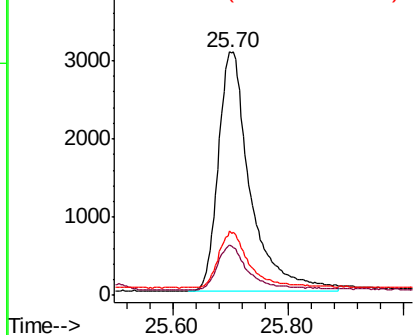
#25
Dibenzo(a,h)anthracene
Concen: 0.415 ng/ul
RT: 25.70 min Scan# 6190
Delta R.T. 0.00 min
Lab File: BN006823.D
Acq: 12 Jul 2019 08:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 11757
Ion Ratio Lower Upper
278 100
139 20.5 18.1 27.1
279 26.3 19.8 29.6

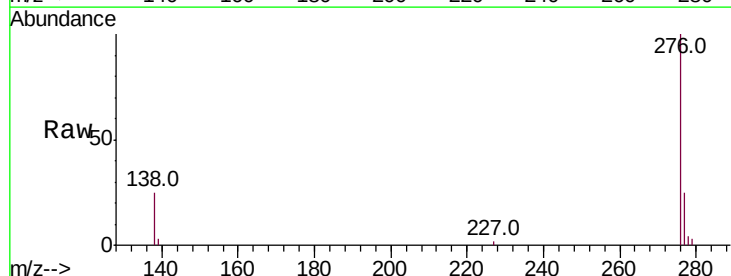


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.449 ng/ul
RT: 26.38 min Scan# 6393
Delta R.T. -0.00 min
Lab File: BN006823.D
Acq: 12 Jul 2019 08:08

Tgt Ion:276 Resp: 13372
Ion Ratio Lower Upper
276 100
138 24.8 22.2 33.2
277 24.7 19.5 29.3



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

