

Data File : BN006203.D
Acq On : 08 Jun 2019 23:06
Operator : JU/SJ
Sample : K3016-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51C3

Quant Time: Jun 09 05:15:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4654	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17643	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9633	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.15	188	1178918	0.40	ng/ul	0.10
16) Chrysene-d12	21.37	240	168	0.40	ng/ul	0.11
20) Perylene-d12	23.49	264	22209	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	7334	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	1102	0.00	ng/ul	0.10

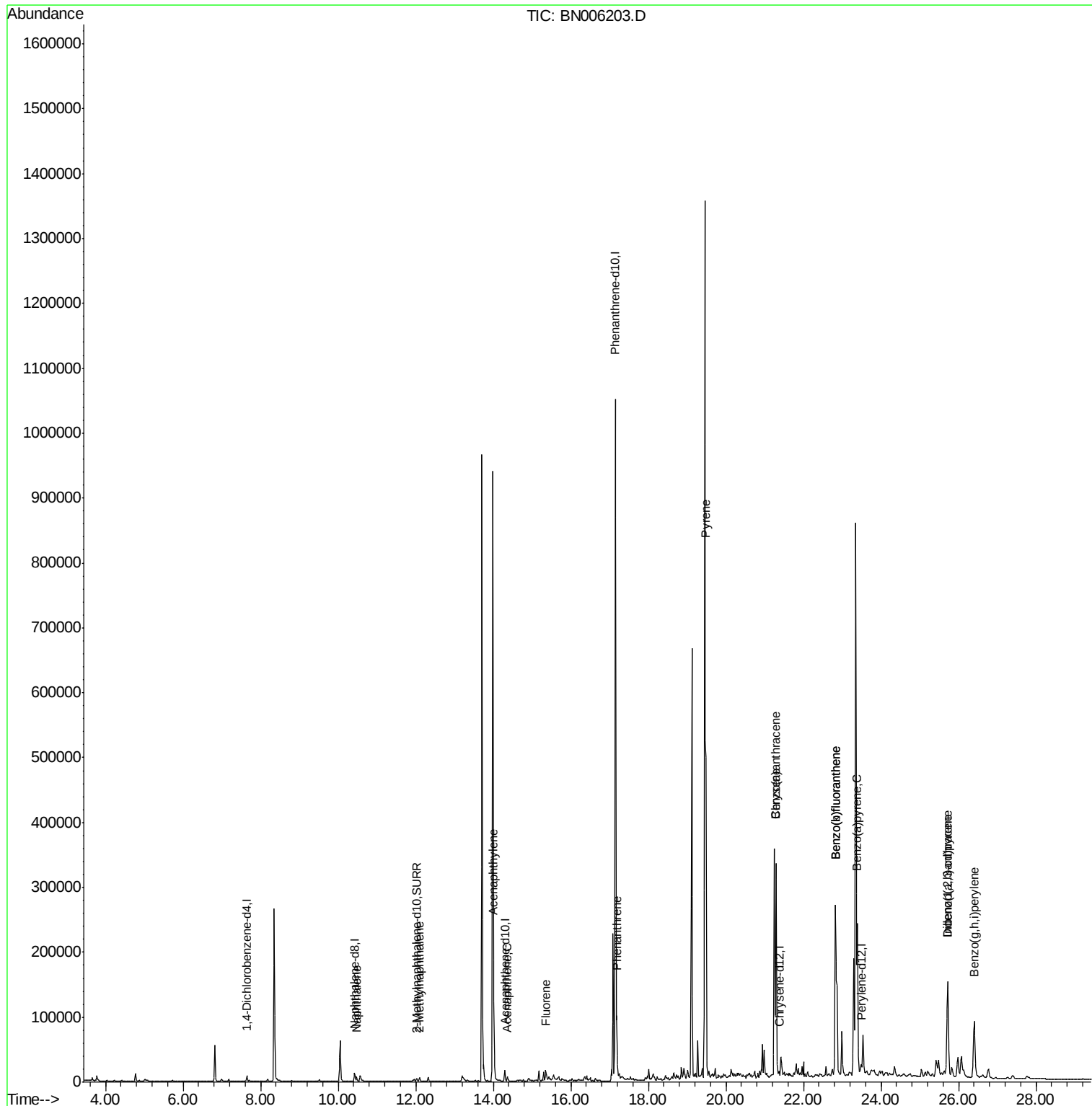
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	9820	0.202	ng/ul	96
5) 2-Methylnaphthalene	12.10	142	4763	0.140	ng/ul	97
7) Acenaphthylene	14.01	152	101004	1.886	ng/ul	100
8) Acenaphthene	14.36	153	4455	0.120	ng/ul	97
9) Fluorene	15.35	166	14785	0.340	ng/ul#	93
12) Phenanthrene	17.18	178	97213	0.026	ng/ul	99
17) Pyrene	19.48	202	590713	667.527	ng/ul	97
18) Benzo(a)anthracene	21.29	228	345387	464.830	ng/ul	95
19) Chrysene	21.29	228	341330	489.329	ng/ul	98
21) Benzo(b)fluoranthene	22.82	252	593717	6.411	ng/ul	92
22) Benzo(k)fluoranthene	22.82	252	593632	6.581	ng/ul	95
23) Benzo(a)pyrene	23.39	252	312605	3.624	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.71	276	225073	2.411	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.72	278	57686	0.773	ng/ul	100
26) Benzo(g,h,i)perylene	26.40	276	173013	2.213	ng/ul	95

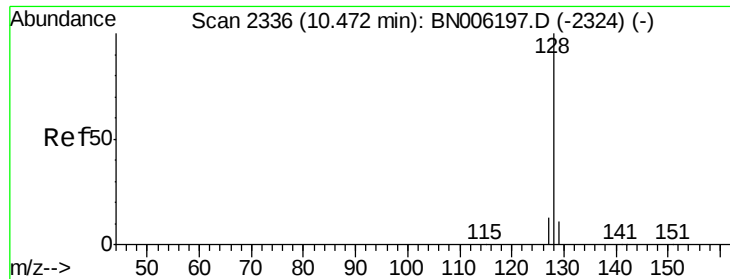
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.202 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

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BNA_N

ClientSampleId :

A51C3

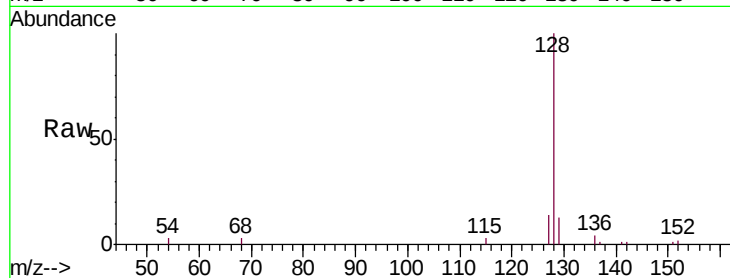
Tgt Ion:128 Resp: 9820

Ion Ratio Lower Upper

128 100

129 13.4 9.3 13.9

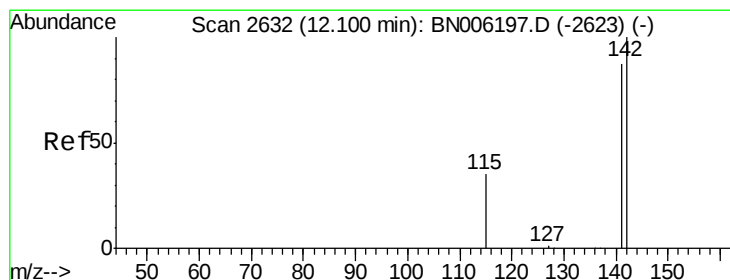
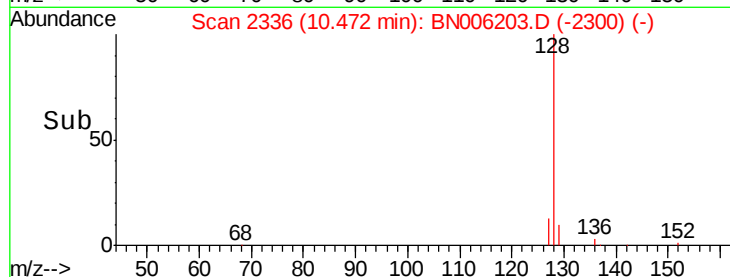
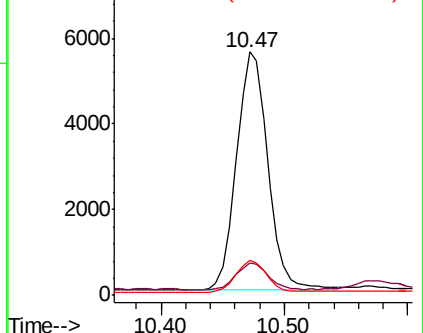
127 14.4 10.7 16.1



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: 0.140 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. 0.00 min

Lab File: BN006203.D

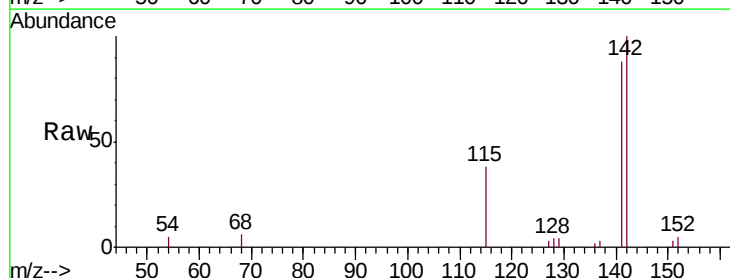
Acq: 08 Jun 2019 23:06

Tgt Ion:142 Resp: 4763

Ion Ratio Lower Upper

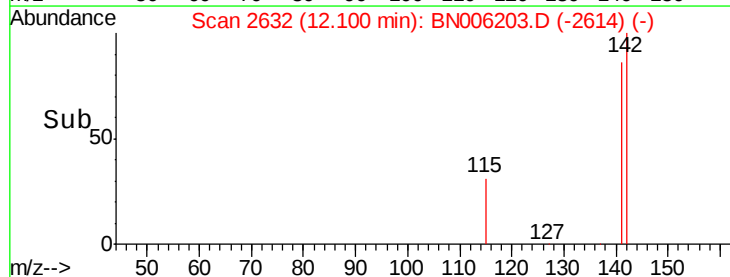
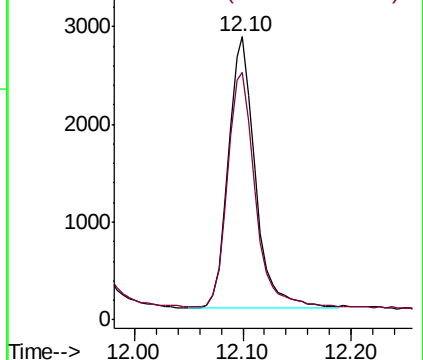
142 100

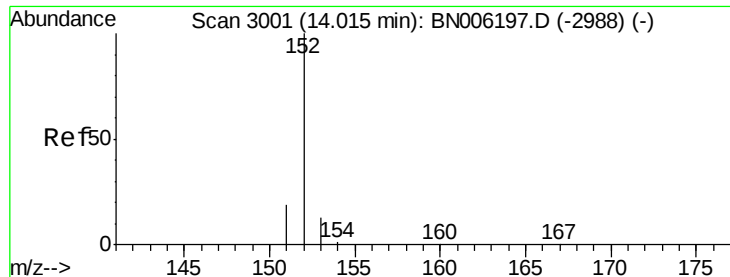
141 90.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.886 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

Instrument :

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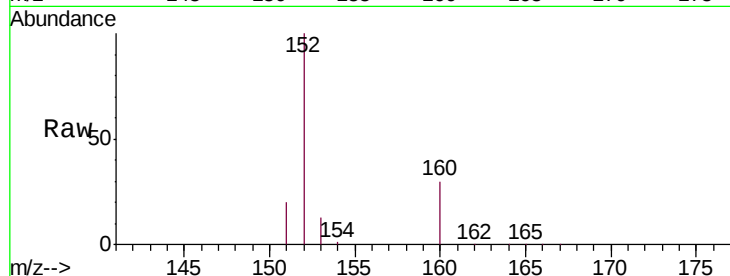
Tgt Ion:152 Resp: 101004

Ion Ratio Lower Upper

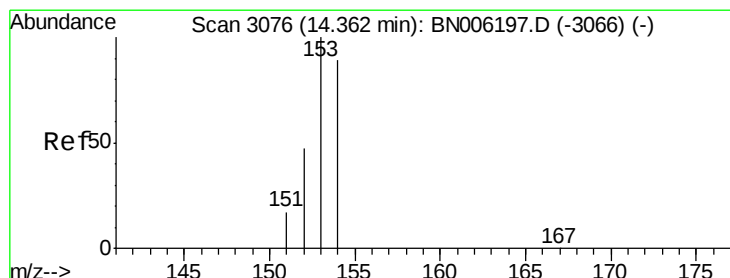
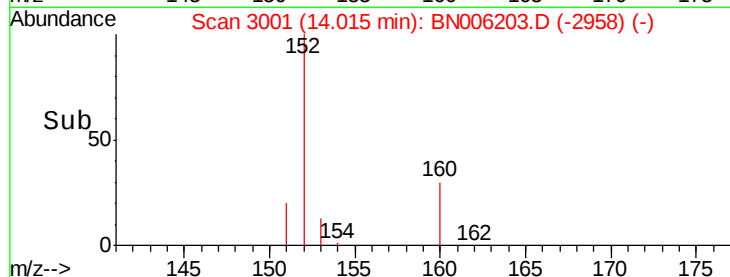
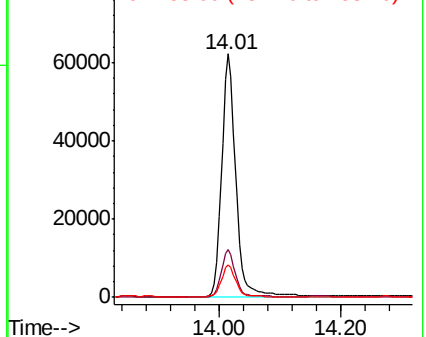
152 100

151 19.7 15.8 23.8

153 13.5 10.8 16.2



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: 0.120 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

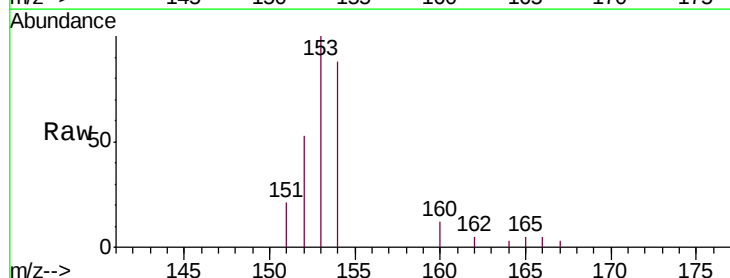
Tgt Ion:153 Resp: 4455

Ion Ratio Lower Upper

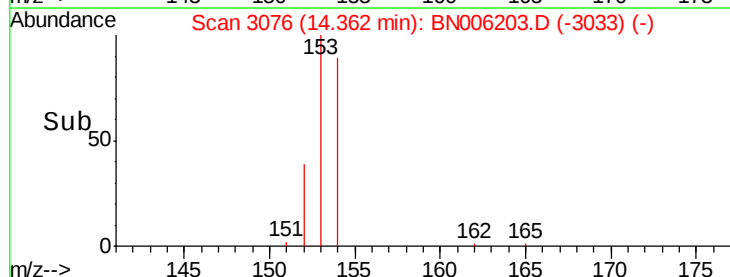
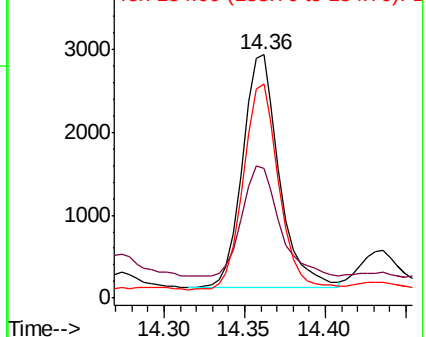
153 100

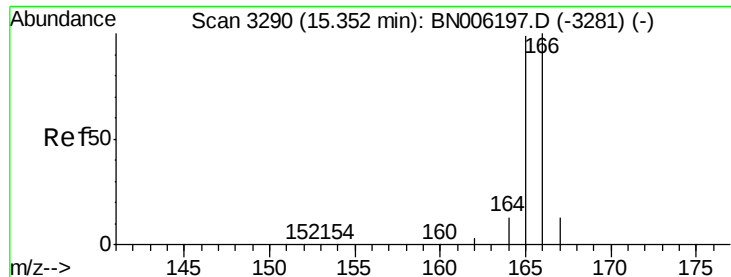
152 53.4 39.1 58.7

154 87.8 71.1 106.7



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: 0.340 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

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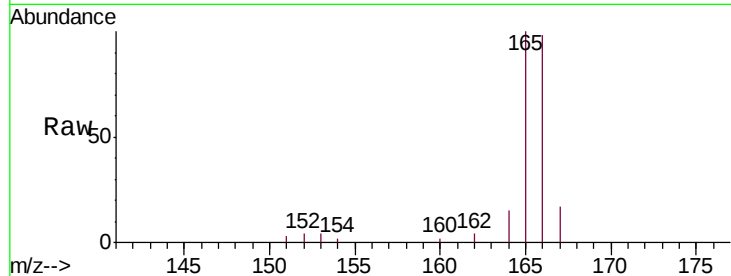
Tgt Ion:166 Resp: 14785

Ion Ratio Lower Upper

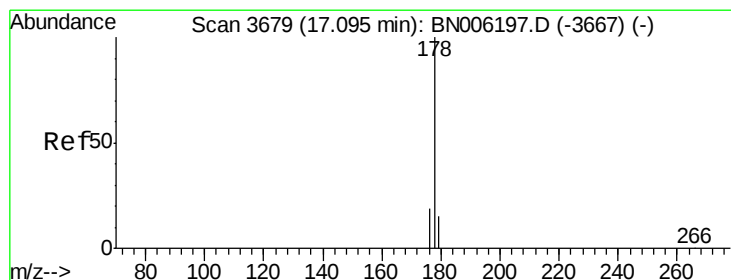
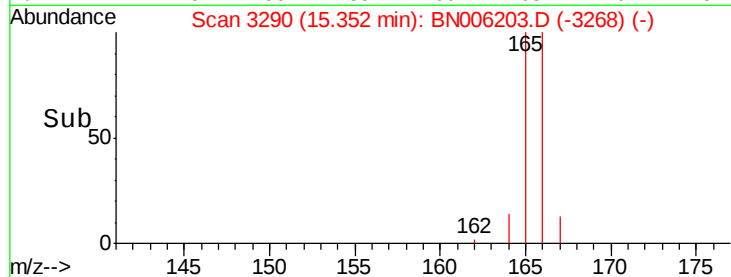
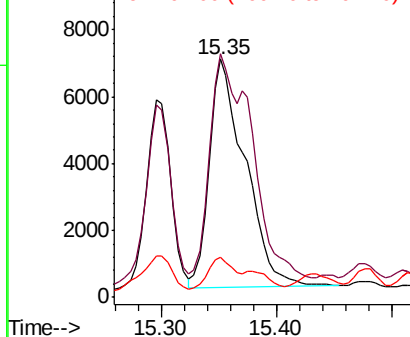
166 100

165 102.2 76.4 114.6

167 17.0 11.0 16.6#



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: 0.026 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. 0.09 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

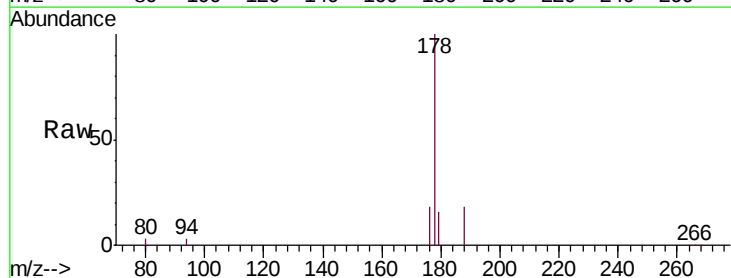
Tgt Ion:178 Resp: 97213

Ion Ratio Lower Upper

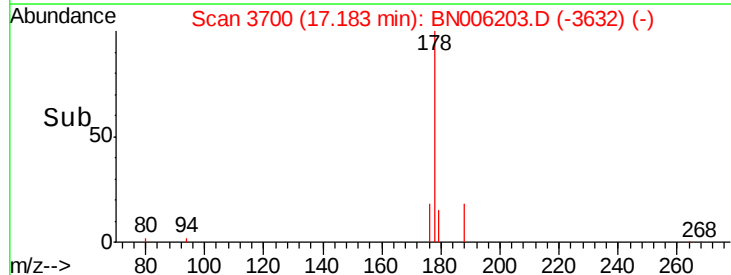
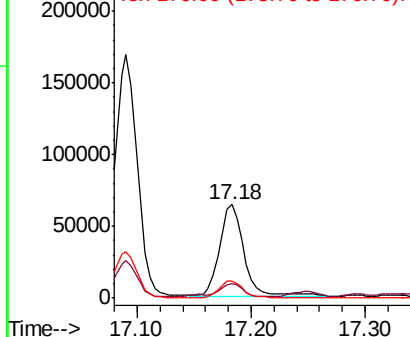
178 100

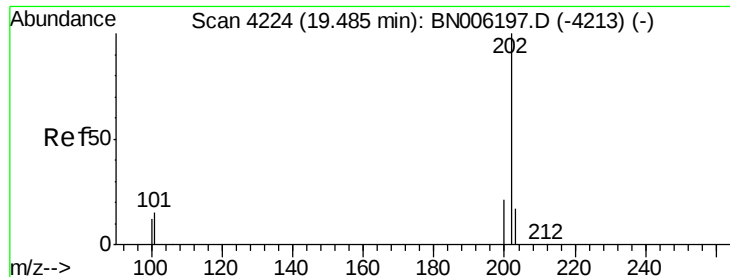
179 15.6 12.3 18.5

176 18.5 15.3 22.9



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

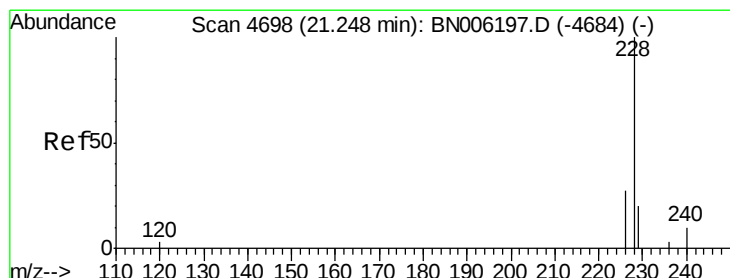
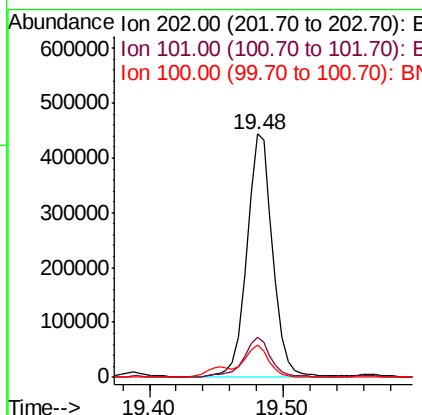
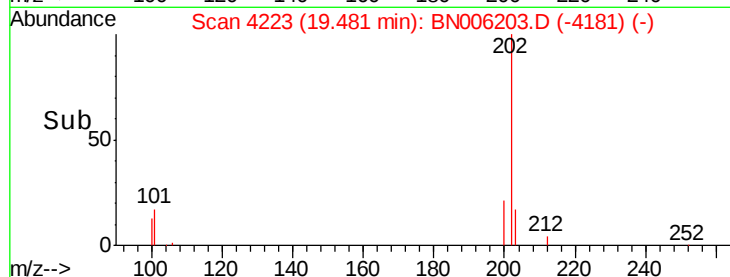
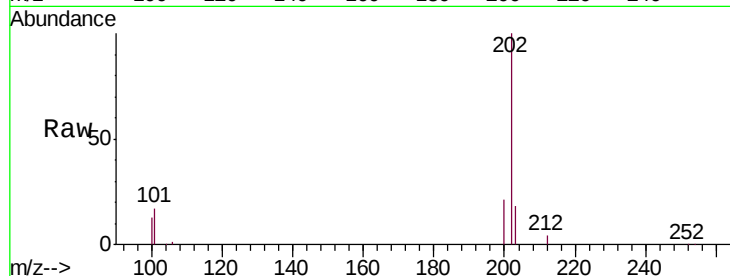




#17
 Pyrene
 Concen: 667.527 ng/ul
 RT: 19.48 min Scan# 4223
 Delta R.T. -0.00 min
 Lab File: BN006203.D
 Acq: 08 Jun 2019 23:06

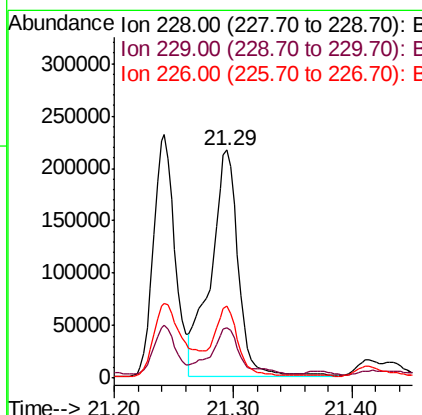
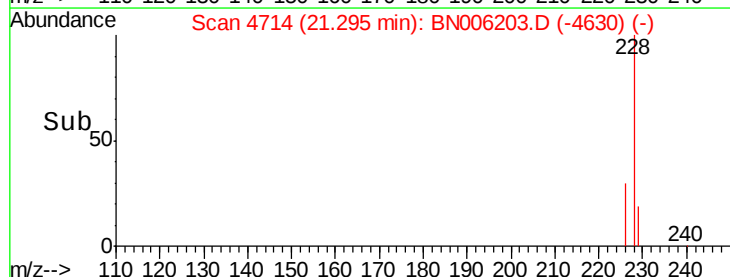
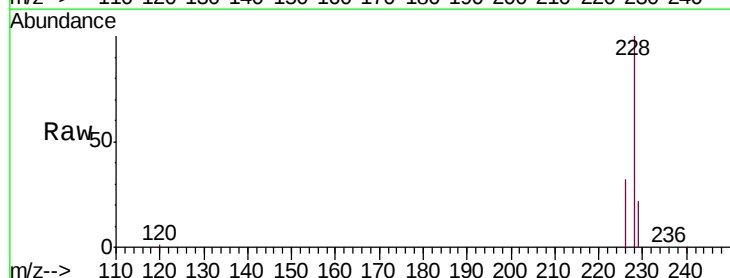
Instrument :
 BNA_N
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 A51C3

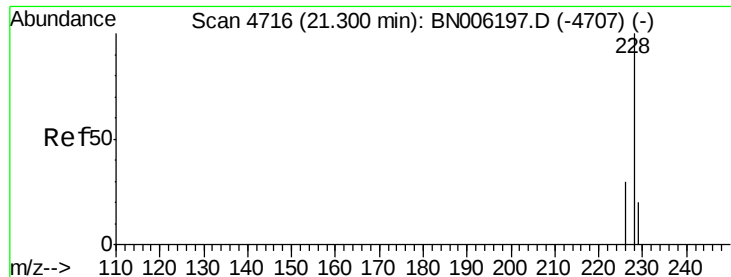
Tgt Ion:202 Resp: 590713
 Ion Ratio Lower Upper
 202 100
 101 16.5 12.2 18.2
 100 13.1 9.8 14.6



#18
 Benzo(a)anthracene
 Concen: 464.830 ng/ul
 RT: 21.29 min Scan# 4714
 Delta R.T. 0.05 min
 Lab File: BN006203.D
 Acq: 08 Jun 2019 23:06

Tgt Ion:228 Resp: 345387
 Ion Ratio Lower Upper
 228 100
 229 22.0 16.5 24.7
 226 31.6 22.8 34.2





#19

Chrysene

Concen: 489.329 ng/ul

RT: 21.29 min Scan# 4714

Delta R.T. -0.01 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

Instrument :

BNA_N

ClientSampleId :

A51C3

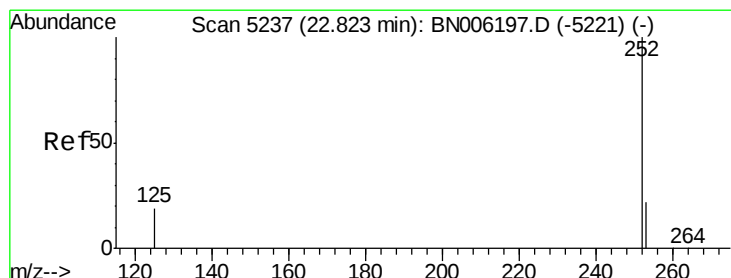
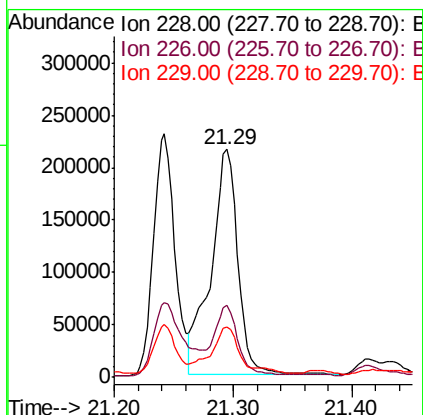
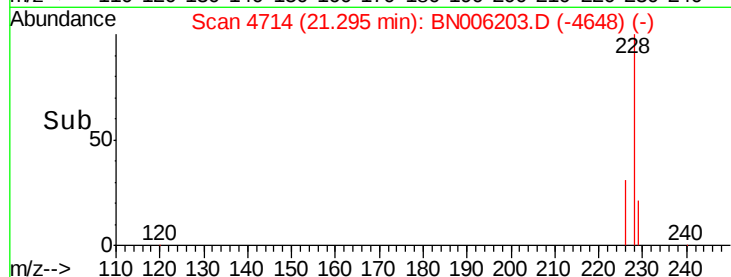
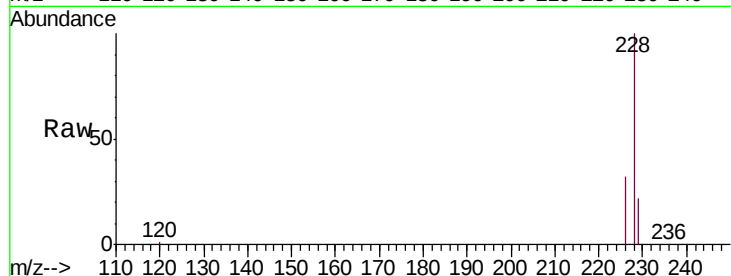
Tgt Ion:228 Resp: 341330

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

229 22.0 16.3 24.5



#21

Benzo(b)fluoranthene

Concen: 6.411 ng/ul

RT: 22.82 min Scan# 5237

Delta R.T. 0.00 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

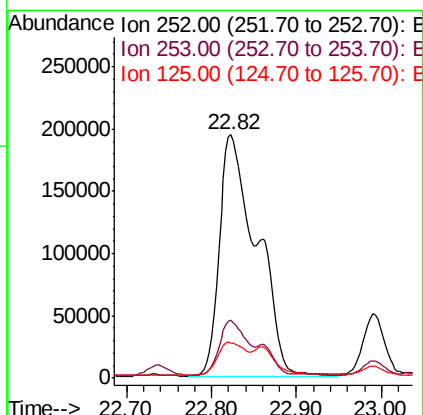
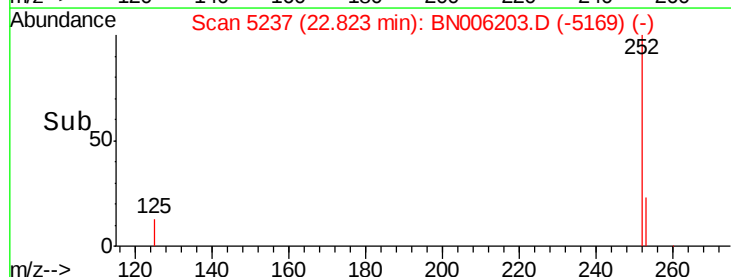
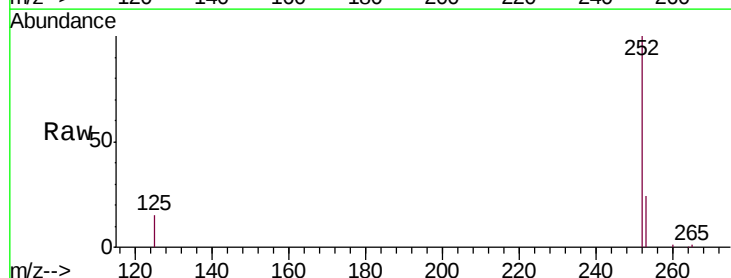
Tgt Ion:252 Resp: 593717

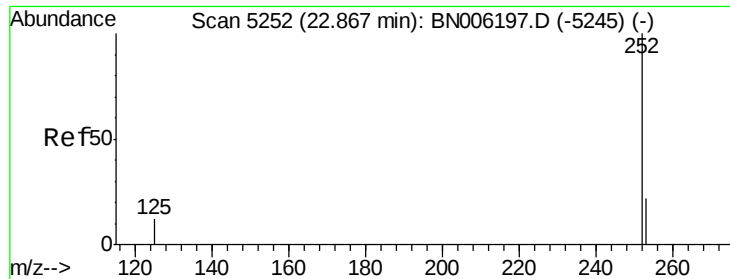
Ion Ratio Lower Upper

252 100

253 23.6 0.0 51.4

125 14.6 0.0 41.0





#22

Benzo(k)fluoranthene

Concen: 6.581 ng/ul

RT: 22.82 min Scan# 5237

Delta R.T. -0.04 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

Instrument :

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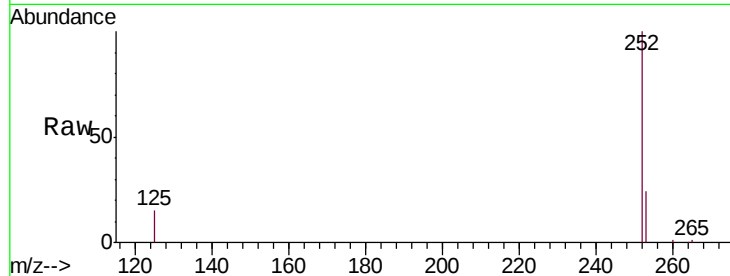
Tgt Ion:252 Resp: 593632

Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

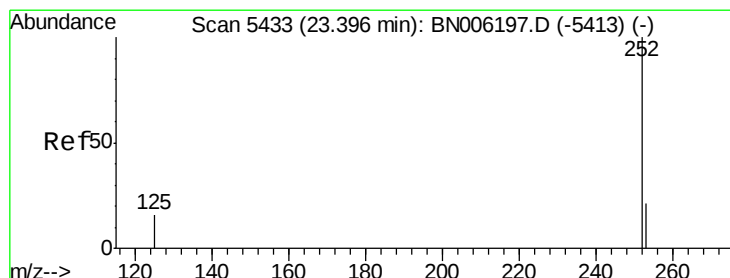
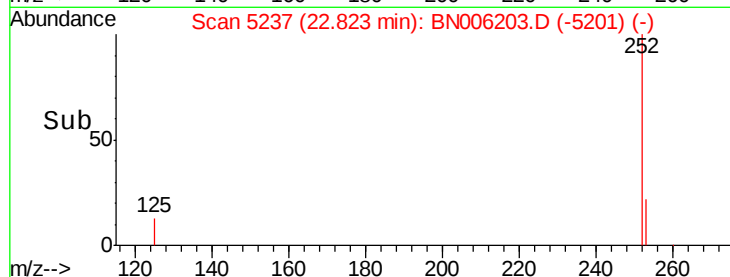
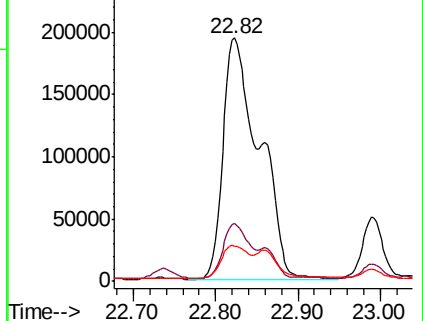
125 14.6 14.3 21.5



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: 3.624 ng/ul

RT: 23.39 min Scan# 5431

Delta R.T. -0.01 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

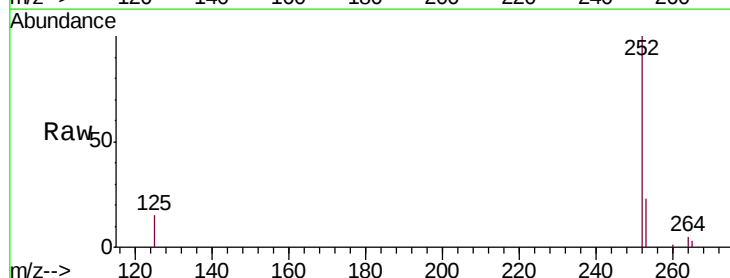
Tgt Ion:252 Resp: 312605

Ion Ratio Lower Upper

252 100

253 22.8 21.1 31.7

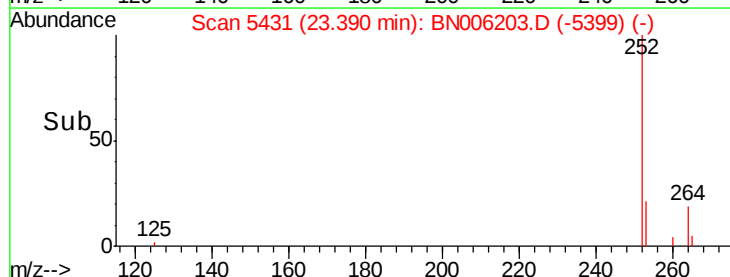
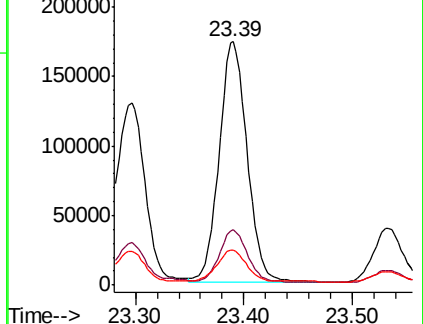
125 14.6 20.3 30.5#

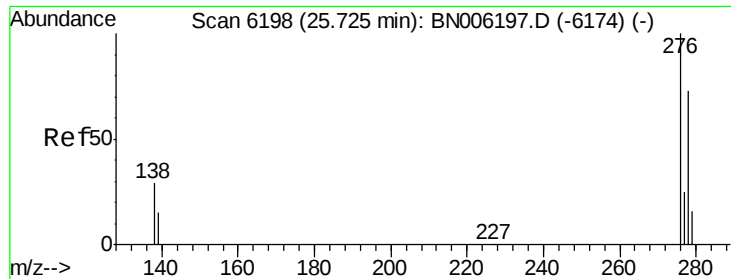


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



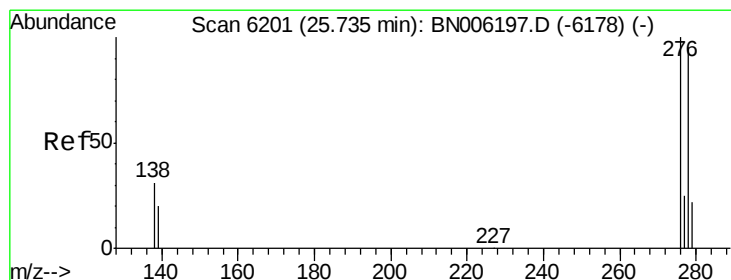
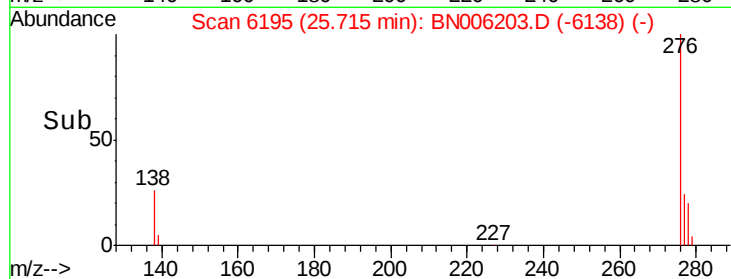
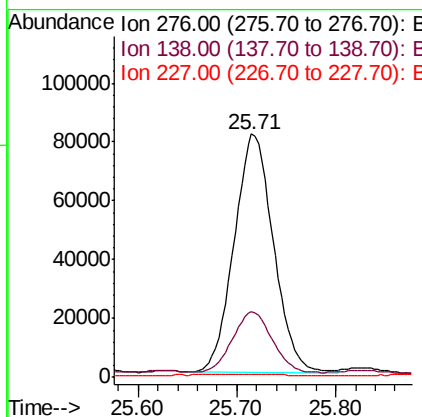
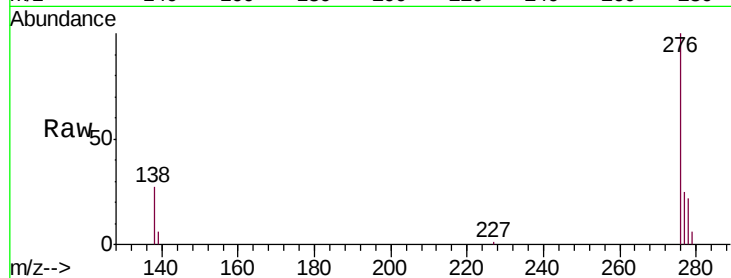


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.411 ng/ul
RT: 25.71 min Scan# 6195
Delta R.T. -0.01 min
Lab File: BN006203.D
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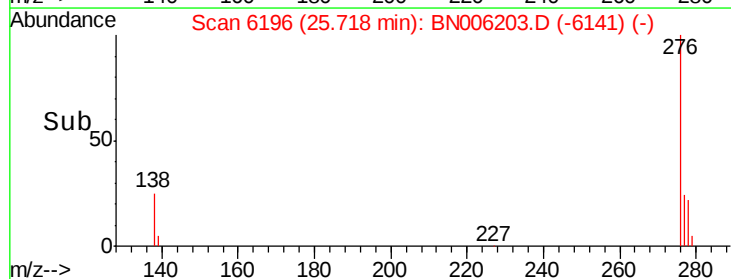
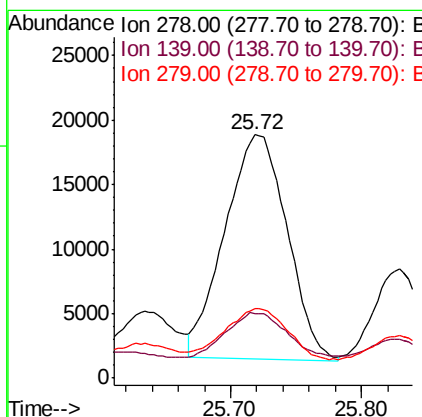
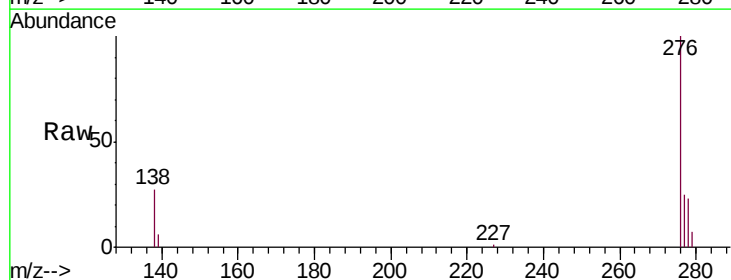
Tgt Ion: 276 Resp: 225073
Ion Ratio Lower Upper
276 100
138 25.9 25.6 38.4
227 0.2 0.3 0.5#

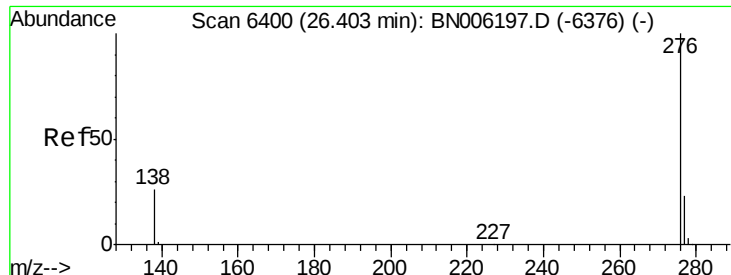


#25

Dibenzo(a,h)anthracene
Concen: 0.773 ng/ul
RT: 25.72 min Scan# 6196
Delta R.T. -0.02 min
Lab File: BN006203.D
Acq: 08 Jun 2019 23:06

Tgt Ion: 278 Resp: 57686
Ion Ratio Lower Upper
278 100
139 26.6 21.2 31.8
279 28.5 22.6 33.8





#26

Benzo(g,h,i)perylene

Concen: 2.213 ng/ul

RT: 26.40 min Scan# 6400

Delta R.T. 0.00 min

Lab File: BN006203.D

Acq: 08 Jun 2019 23:06

Instrument :

BNA_N

ClientSampleId :

A51C3

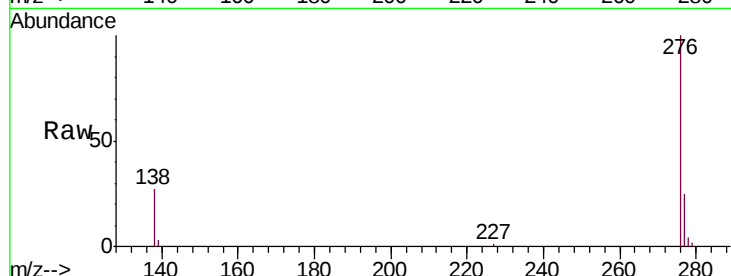
Tgt Ion: 276 Resp: 173013

Ion Ratio Lower Upper

276 100

138 27.5 24.2 36.4

277 24.8 21.5 32.3



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

