

Data File : BN006200.D
Acq On : 08 Jun 2019 21:23
Operator : JU/SJ
Sample : K3016-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51D0

Quant Time: Jun 09 05:14:21 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	7.65	152	3840	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	14550	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	7857	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.15	188	862304	0.40	ng/ul	0.10
16) Chrysene-d12	21.39	240	218	0.40	ng/ul	0.13
20) Perylene-d12	23.49	264	26680	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	5007	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	402	0.00	ng/ul	0.10

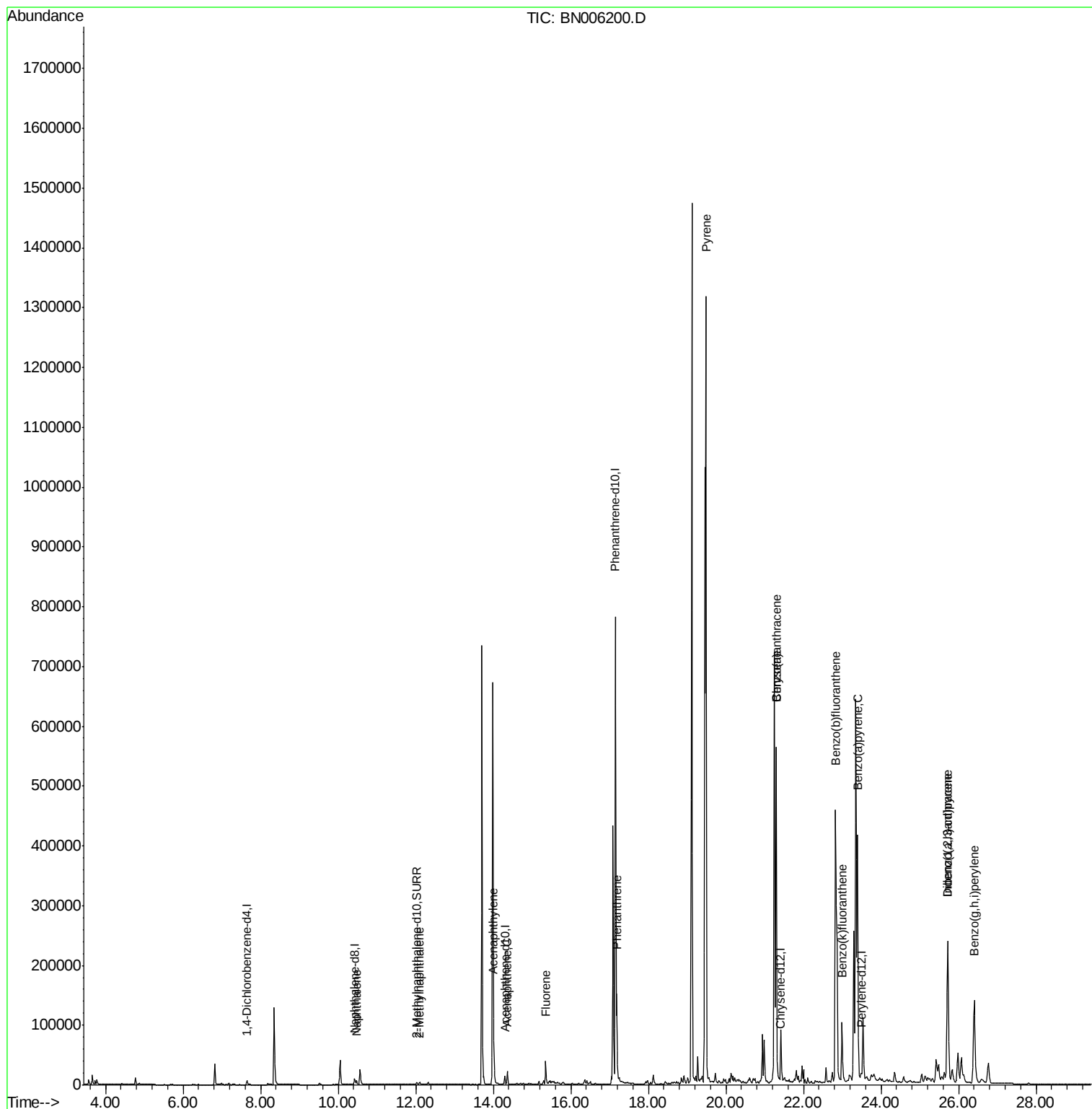
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	8600	0.214	ng/ul	98
5) 2-Methylnaphthalene	12.10	142	3324	0.119	ng/ul	100
7) Acenaphthylene	14.01	152	59605	1.365	ng/ul	100
8) Acenaphthene	14.36	153	12780	0.422	ng/ul	99
9) Fluorene	15.35	166	25400	0.717	ng/ul	97
12) Phenanthrene	17.18	178	164486	0.059	ng/ul	99
17) Pyrene	19.49	202	1077299	938.169	ng/ul	100
18) Benzo(a)anthracene	21.30	228	546679	566.987	ng/ul	96
19) Chrysene	21.30	228	539548	596.086	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	995096	8.945	ng/ul	89
22) Benzo(k)fluoranthene	22.99	252	89762	0.828	ng/ul	97
23) Benzo(a)pyrene	23.39	252	536531	5.178	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.72	276	345859	3.084	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.72	278	87169	0.972	ng/ul	94
26) Benzo(g,h,i)perylene	26.40	276	269294	2.867	ng/ul	94

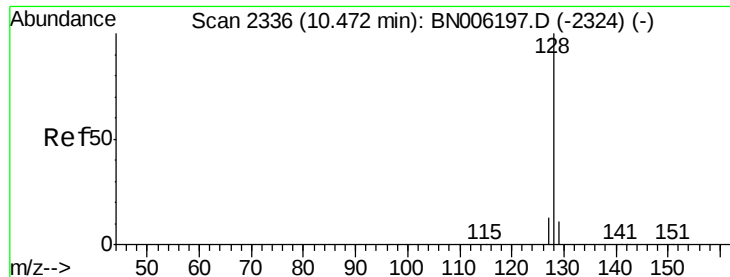
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.214 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

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BNA_N

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A51D0

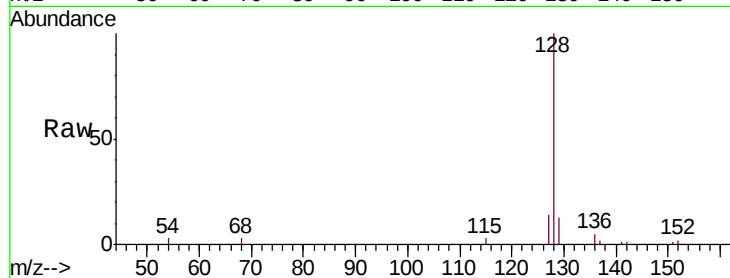
Tgt Ion:128 Resp: 8600

Ion Ratio Lower Upper

128 100

129 12.7 9.3 13.9

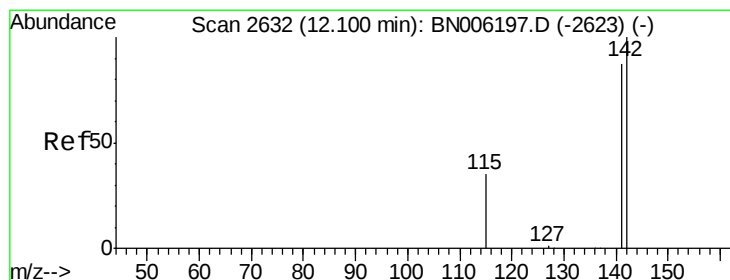
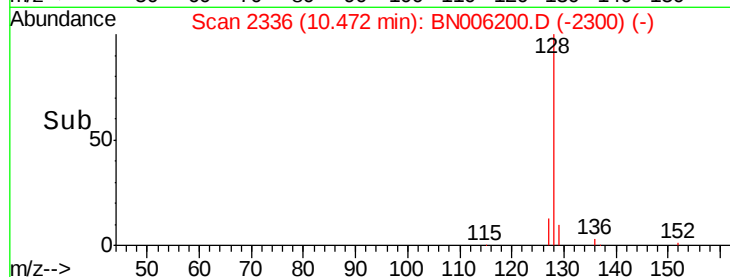
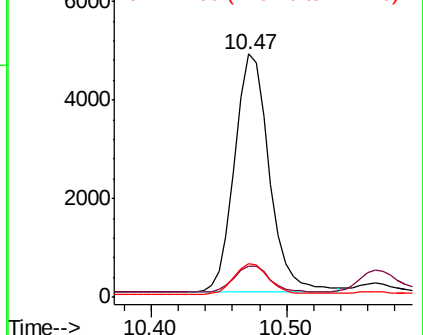
127 13.8 10.7 16.1



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: 0.119 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006200.D

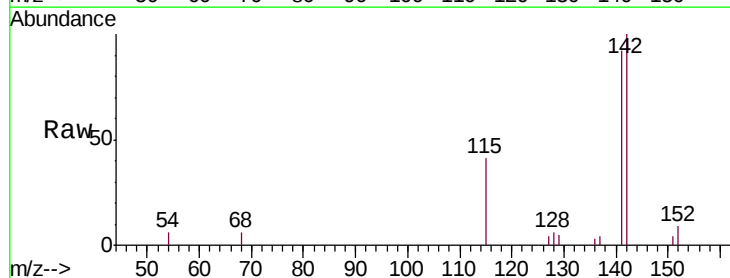
Acq: 08 Jun 2019 21:23

Tgt Ion:142 Resp: 3324

Ion Ratio Lower Upper

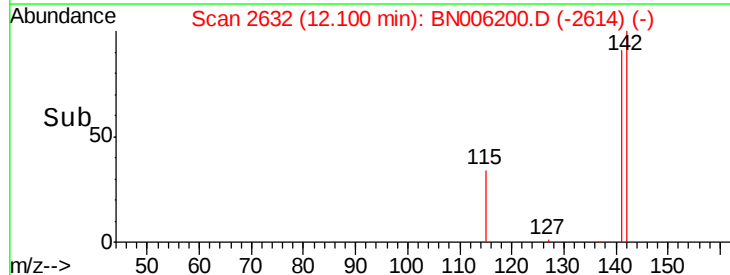
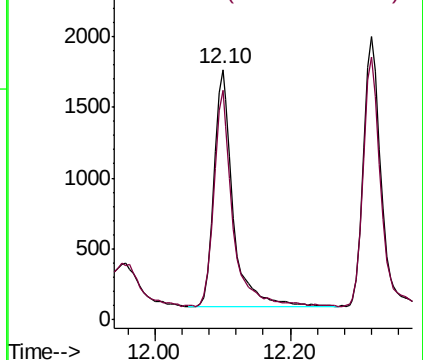
142 100

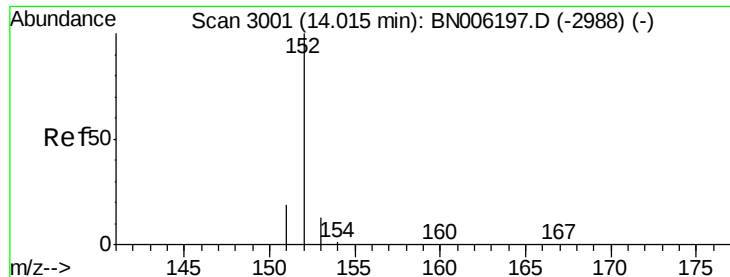
141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.365 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

Instrument :

BNA_N

ClientSampleId :

A51D0

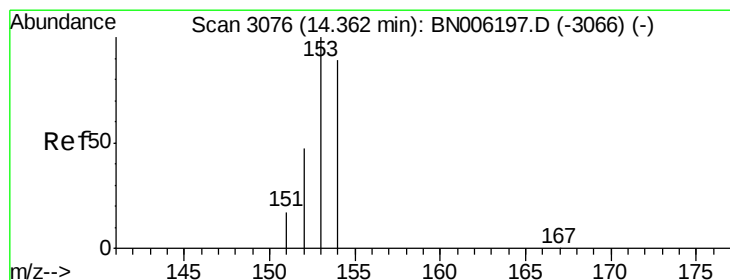
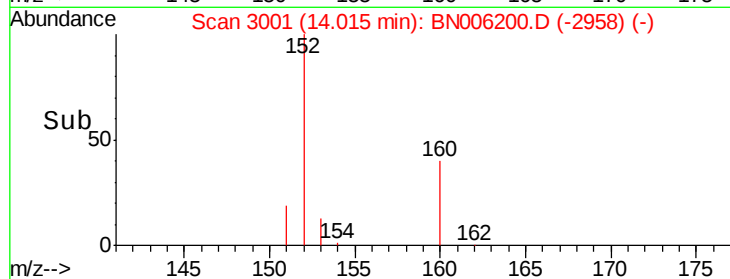
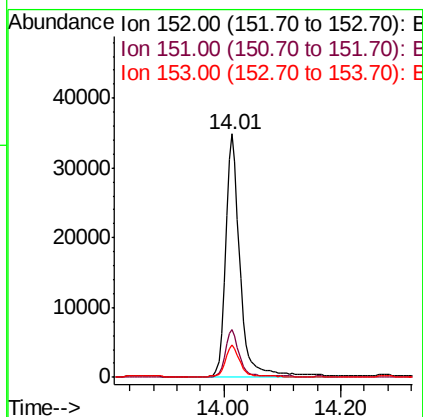
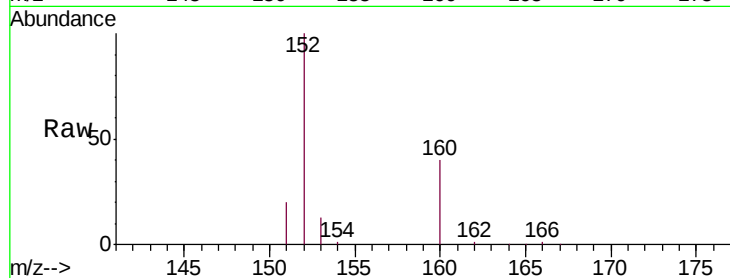
Tgt Ion:152 Resp: 59605

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.8

153 13.4 10.8 16.2



#8

Acenaphthene

Concen: 0.422 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

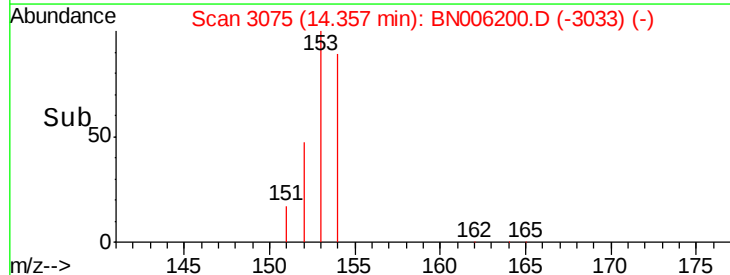
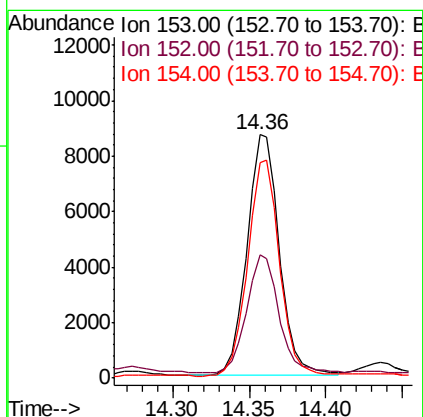
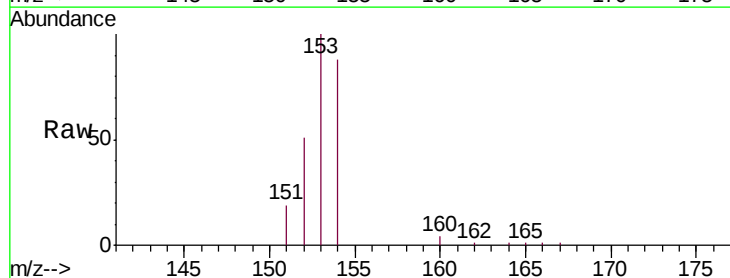
Tgt Ion:153 Resp: 12780

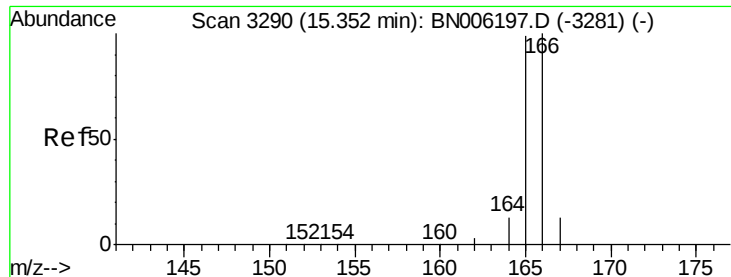
Ion Ratio Lower Upper

153 100

152 50.6 39.1 58.7

154 88.3 71.1 106.7

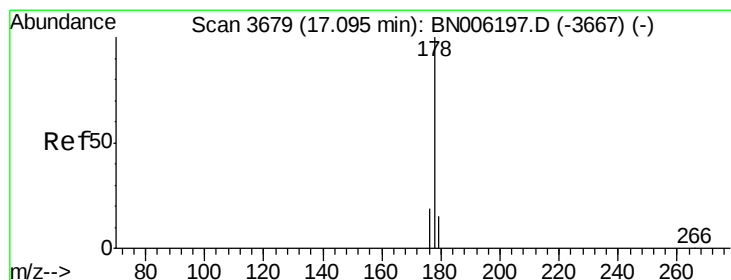
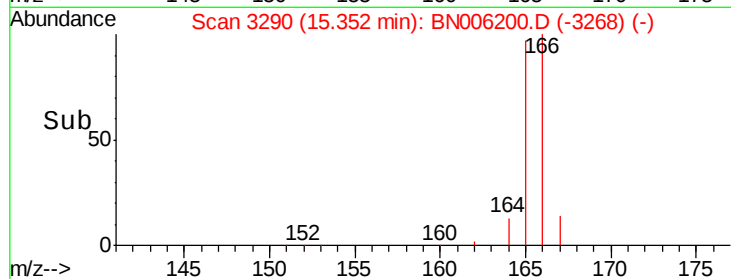
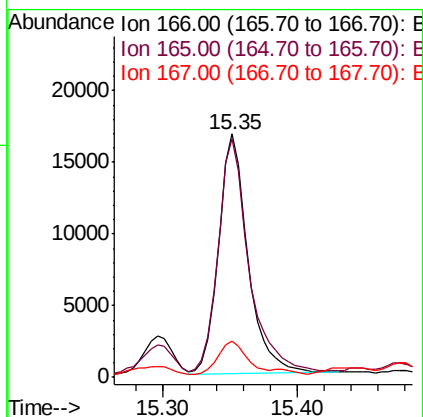
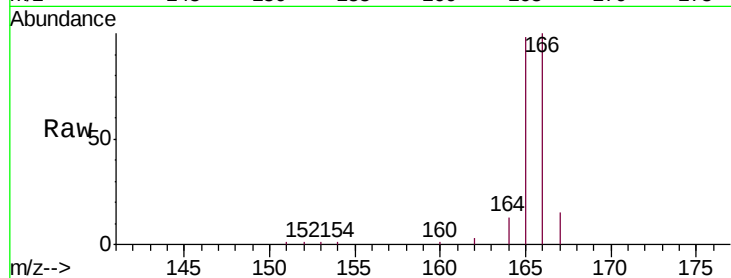




#9
Fluorene
 Concen: 0.717 ng/ul
 RT: 15.35 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BN006200.D
 Acq: 08 Jun 2019 21:23

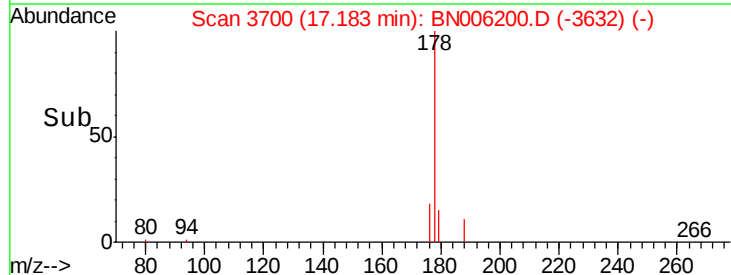
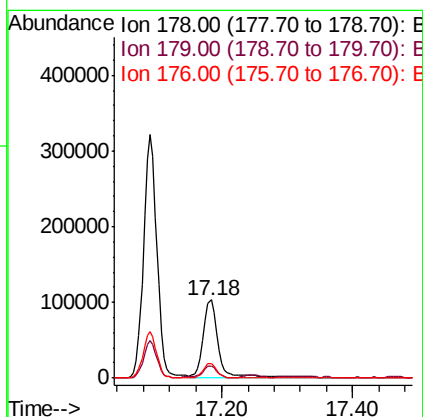
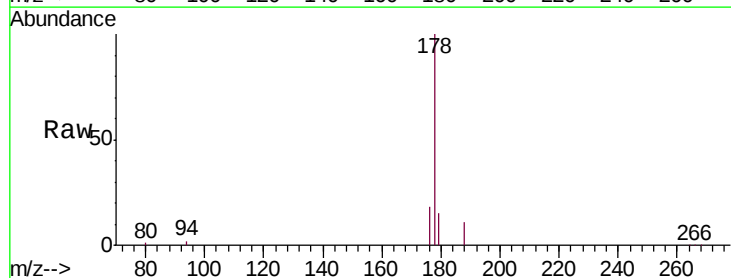
Instrument :
 BNA_N
 ClientSampleId :
 A51D0

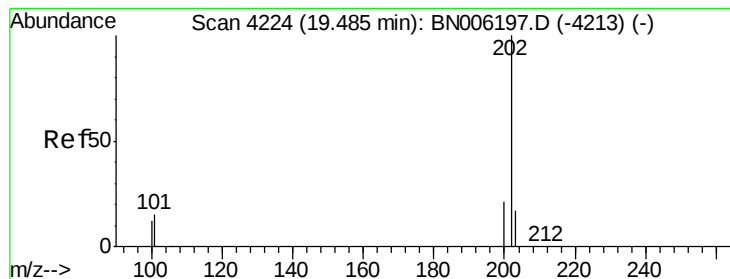
Tgt Ion:166 Resp: 25400
 Ion Ratio Lower Upper
 166 100
 165 97.9 76.4 114.6
 167 14.9 11.0 16.6



#12
Phenanthrene
 Concen: 0.059 ng/ul
 RT: 17.18 min Scan# 3700
 Delta R.T. 0.09 min
 Lab File: BN006200.D
 Acq: 08 Jun 2019 21:23

Tgt Ion:178 Resp: 164486
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.3 18.5
 176 18.4 15.3 22.9





#17

Pyrene

Concen: 938.169 ng/ul

RT: 19.49 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

Instrument :

BNA_N

ClientSampleId :

A51D0

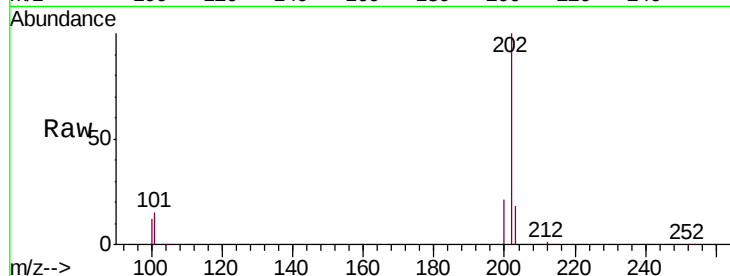
Tgt Ion:202 Resp: 1077299

Ion Ratio Lower Upper

202 100

101 15.2 12.2 18.2

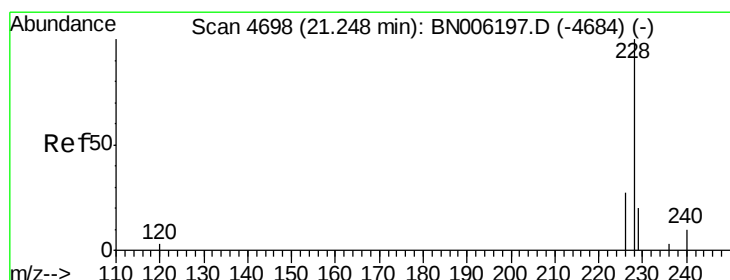
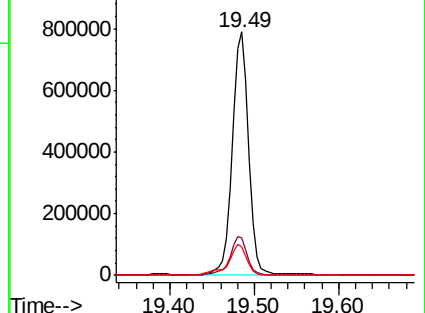
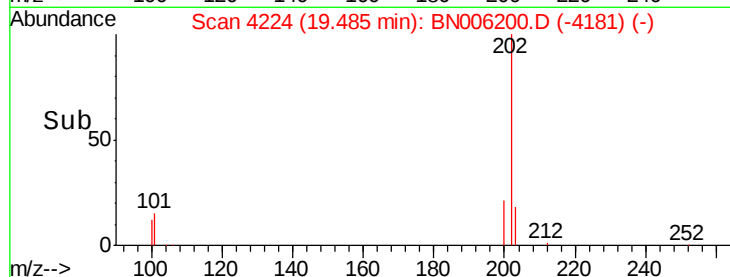
100 11.9 9.8 14.6



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: 566.987 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. 0.05 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

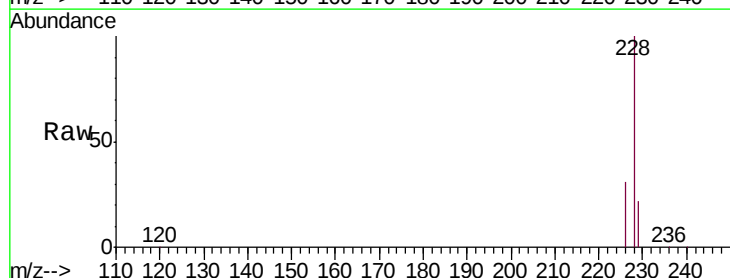
Tgt Ion:228 Resp: 546679

Ion Ratio Lower Upper

228 100

229 22.0 16.5 24.7

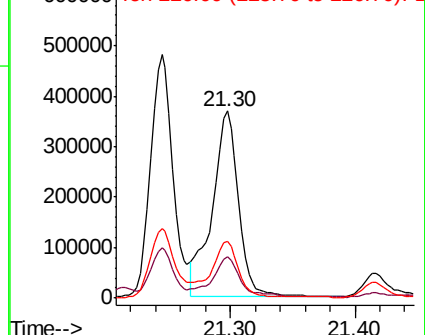
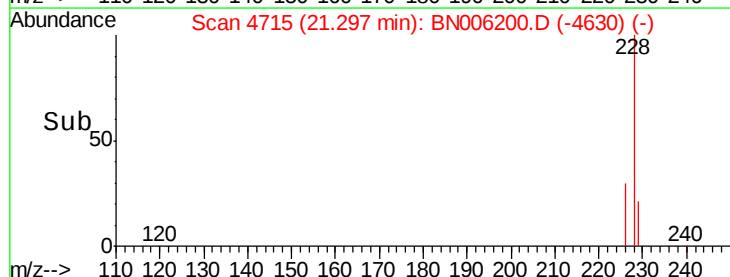
226 30.5 22.8 34.2

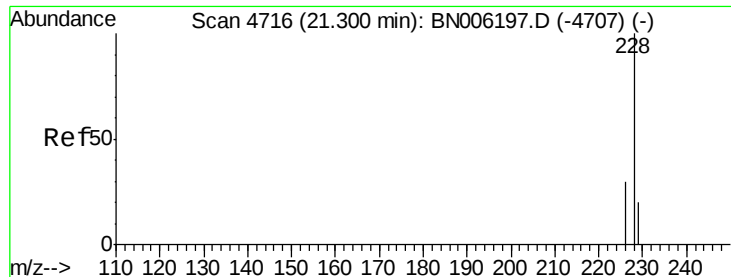


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 596.086 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN006200.D

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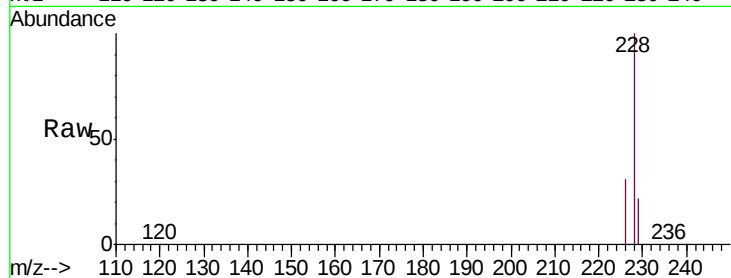
Tgt Ion:228 Resp: 539548

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

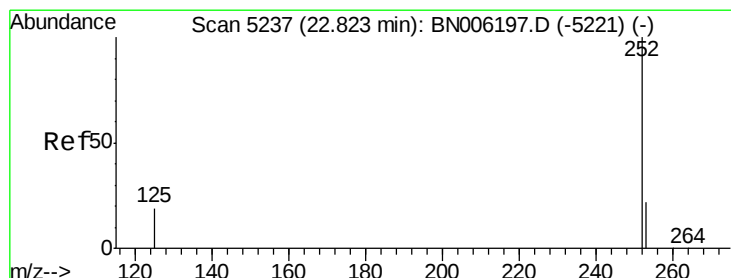
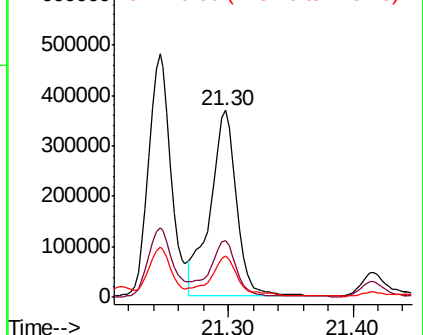
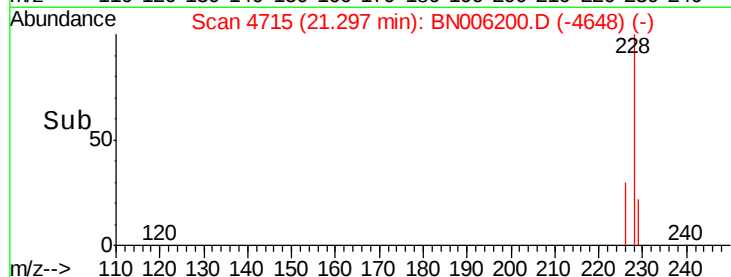
229 22.0 16.3 24.5



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: 8.945 ng/ul

RT: 22.83 min Scan# 5238

Delta R.T. 0.00 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

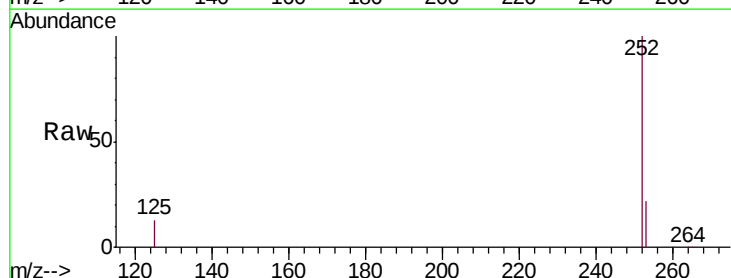
Tgt Ion:252 Resp: 995096

Ion Ratio Lower Upper

252 100

253 22.4 0.0 51.4

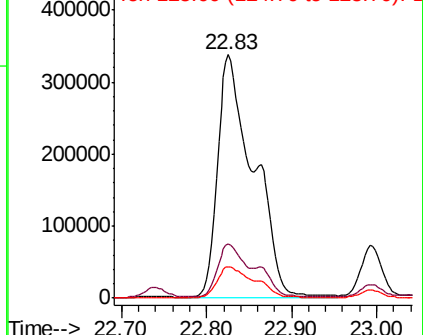
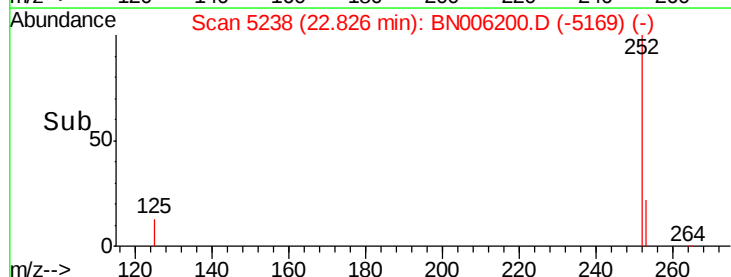
125 13.0 0.0 41.0

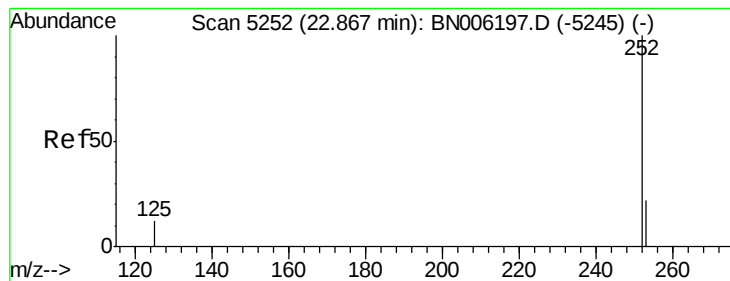


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.828 ng/ul

RT: 22.99 min Scan# 5295

Delta R.T. 0.13 min

Lab File: BN006200.D

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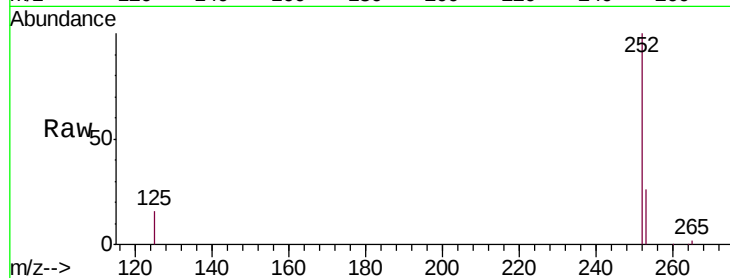
Tgt Ion:252 Resp: 89762

Ion Ratio Lower Upper

252 100

253 26.2 20.3 30.5

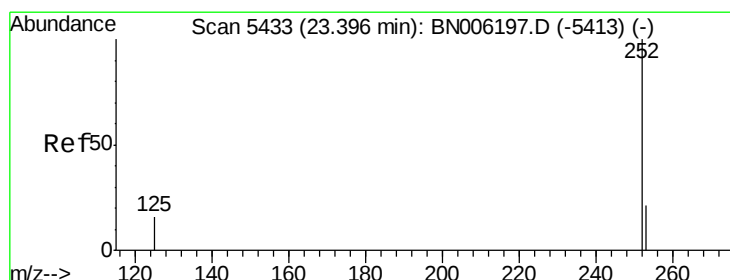
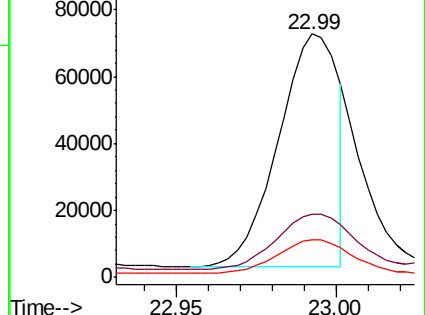
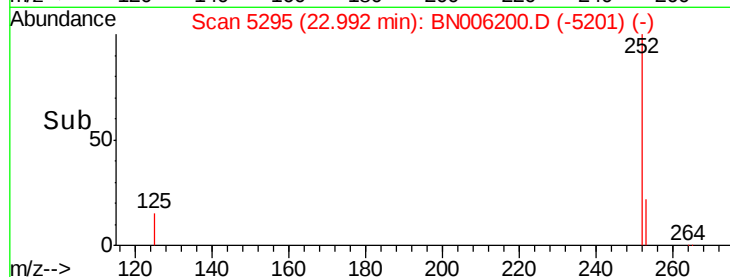
125 15.6 14.3 21.5



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: 5.178 ng/ul

RT: 23.39 min Scan# 5432

Delta R.T. -0.00 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

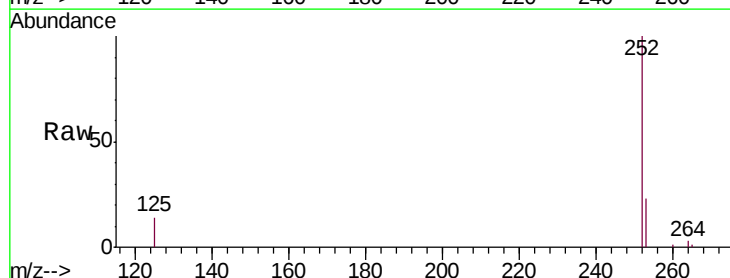
Tgt Ion:252 Resp: 536531

Ion Ratio Lower Upper

252 100

253 22.6 21.1 31.7

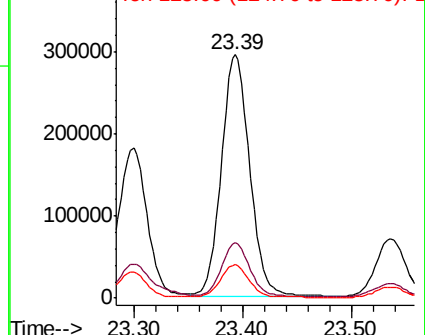
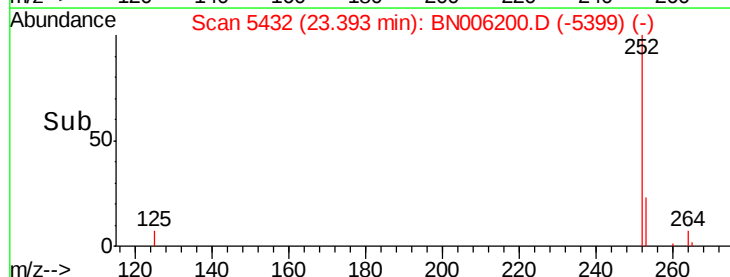
125 13.6 20.3 30.5#

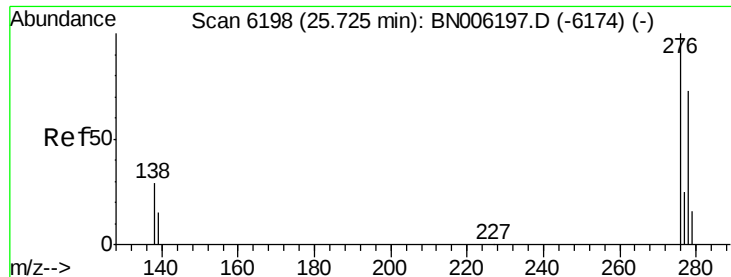


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



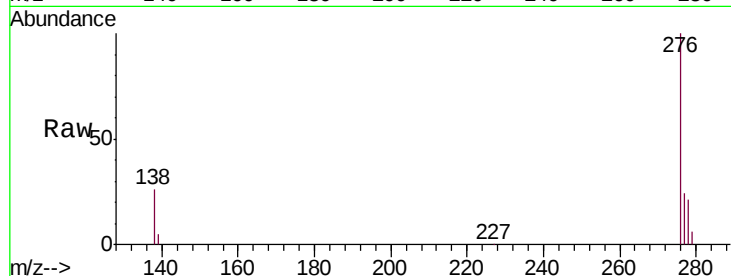


#24

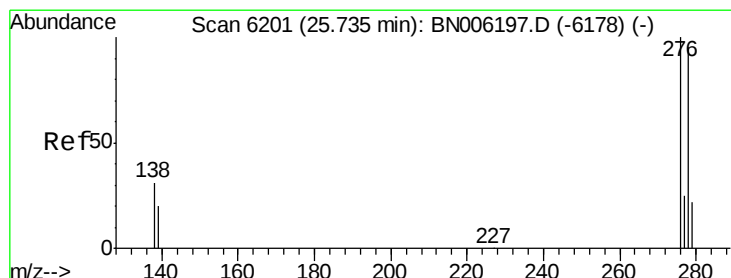
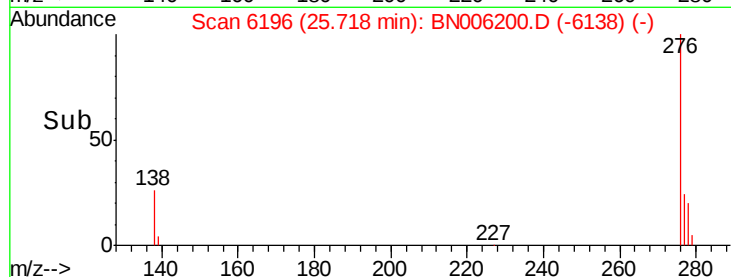
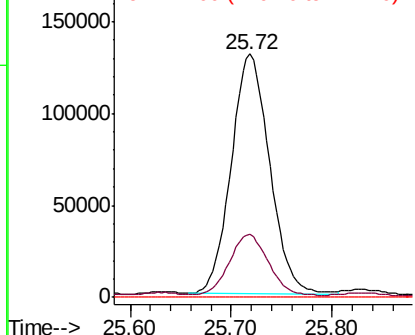
Indeno(1,2,3-cd)pyrene
Concen: 3.084 ng/u1
RT: 25.72 min Scan# 6196
Delta R.T. -0.01 min
Lab File: BN006200.D
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Instrument :
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A51D0

Tgt Ion:276 Resp: 345859
Ion Ratio Lower Upper
276 100
138 26.0 25.6 38.4
227 0.2 0.3 0.5#



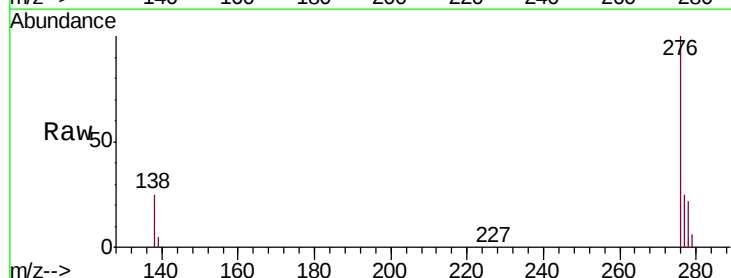
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



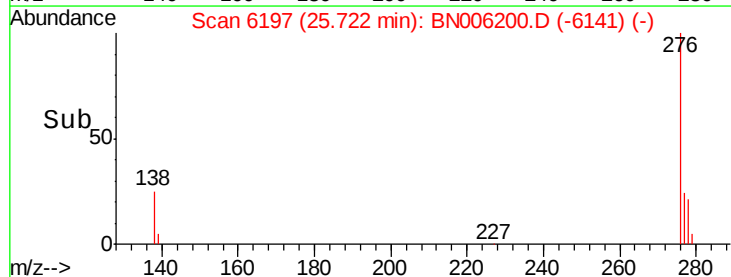
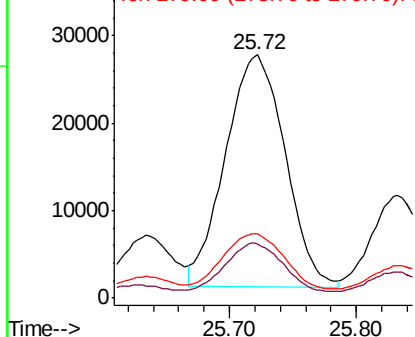
#25

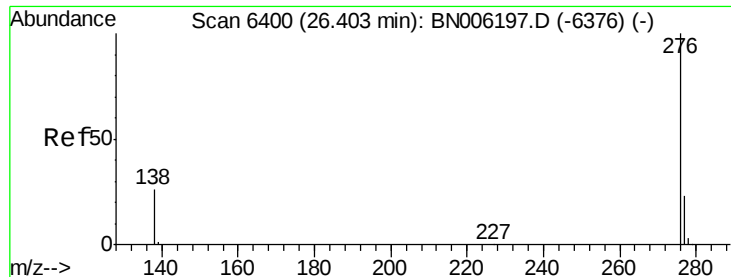
Dibenzo(a,h)anthracene
Concen: 0.972 ng/u1
RT: 25.72 min Scan# 6197
Delta R.T. -0.01 min
Lab File: BN006200.D
Acq: 08 Jun 2019 21:23

Tgt Ion:278 Resp: 87169
Ion Ratio Lower Upper
278 100
139 22.5 21.2 31.8
279 26.3 22.6 33.8



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





#26

Benzo(g,h,i)perylene

Concen: 2.867 ng/ul

RT: 26.40 min Scan# 6399

Delta R.T. -0.00 min

Lab File: BN006200.D

Acq: 08 Jun 2019 21:23

Instrument :

BNA_N

ClientSampleId :

A51D0

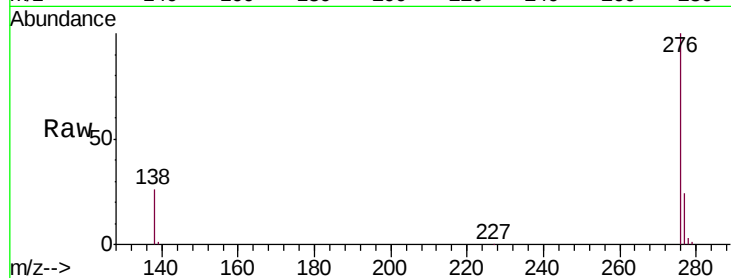
Tgt Ion: 276 Resp: 269294

Ion Ratio Lower Upper

276 100

138 26.5 24.2 36.4

277 24.0 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

