

Data File : BN006202.D
Acq On : 08 Jun 2019 22:32
Operator : JU/SJ
Sample : K3016-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51C2

Quant Time: Jun 09 05:14:35 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	4475	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17433	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	23992	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	102873	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	90361	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	110266	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	5177	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	11708	0.04	ng/ul	0.00

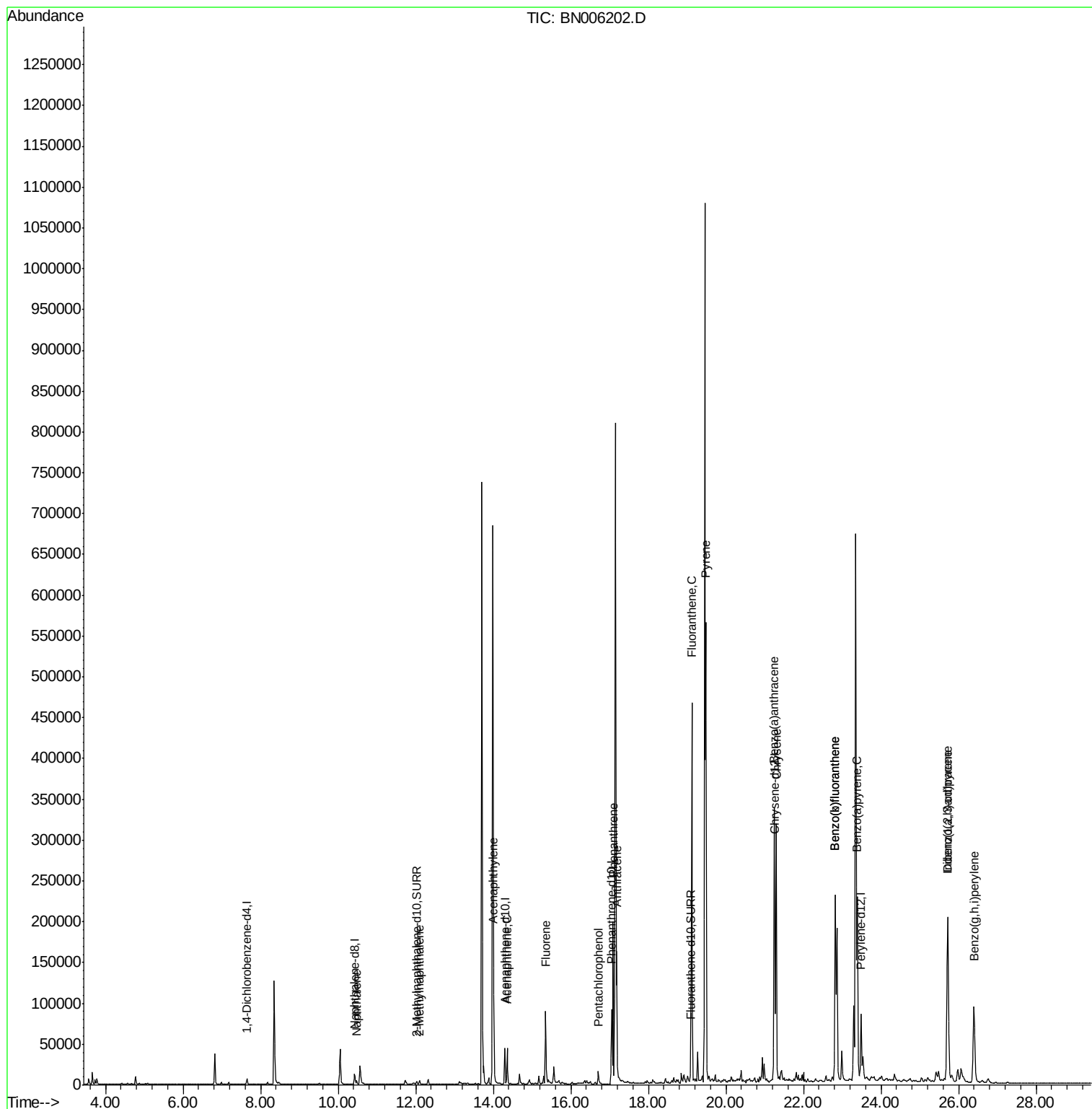
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	5575	0.116	ng/ul#	95
5) 2-Methylnaphthalene	12.10	142	4017	0.120	ng/ul	99
7) Acenaphthylene	14.01	152	99156	0.744	ng/ul	99
8) Acenaphthene	14.36	153	24701	0.267	ng/ul	99
9) Fluorene	15.35	166	58262	0.538	ng/ul	98
11) Pentachlorophenol	16.71	266	12414	0.475	ng/ul	99
12) Phenanthrene	17.09	178	208802	0.632	ng/ul	100
13) Anthracene	17.18	178	162415	0.515	ng/ul	99
15) Fluoranthene	19.12	202	387194	1.062	ng/ul	98
17) Pyrene	19.49	202	451751	0.949	ng/ul	99
18) Benzo(a)anthracene	21.24	228	274338	0.686	ng/ul	98
19) Chrysene	21.30	228	295447	0.787	ng/ul	98
21) Benzo(b)fluoranthene	22.82	252	342972	0.746	ng/ul	91
22) Benzo(k)fluoranthene	22.82	252	342972	0.766	ng/ul	94
23) Benzo(a)pyrene	23.39	252	278103	0.649	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.71	276	255981	0.552	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.73	278	143702	0.388	ng/ul	92
26) Benzo(g,h,i)perylene	26.39	276	189352	0.488	ng/ul	94

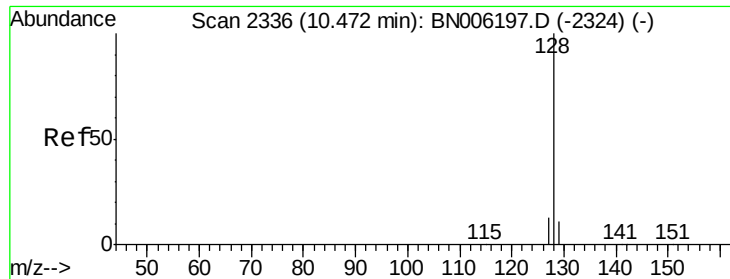
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.116 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006202.D

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Instrument :

BNA_N

ClientSampleId :

A51C2

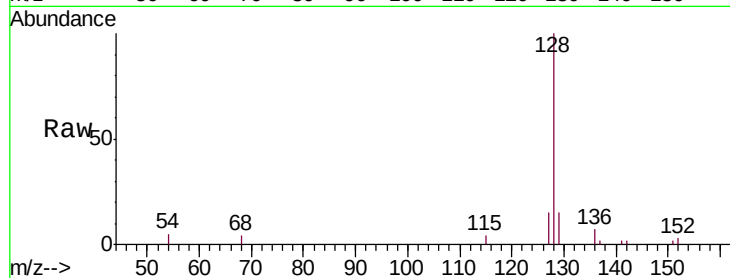
Tgt Ion:128 Resp: 5575

Ion Ratio Lower Upper

128 100

129 14.7 9.3 13.9#

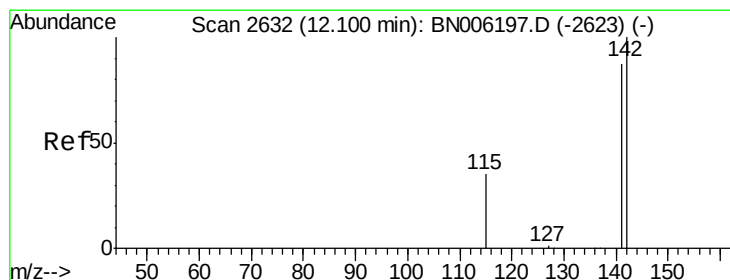
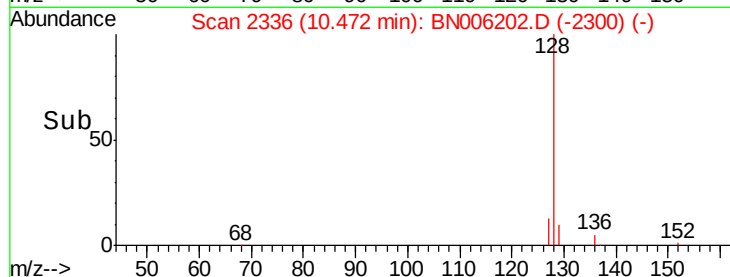
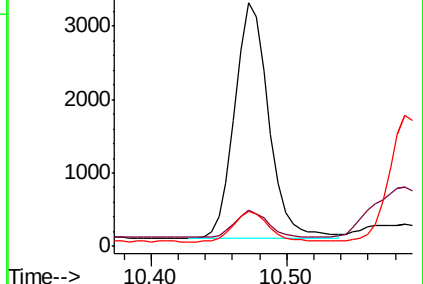
127 14.6 10.7 16.1



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: 0.120 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006202.D

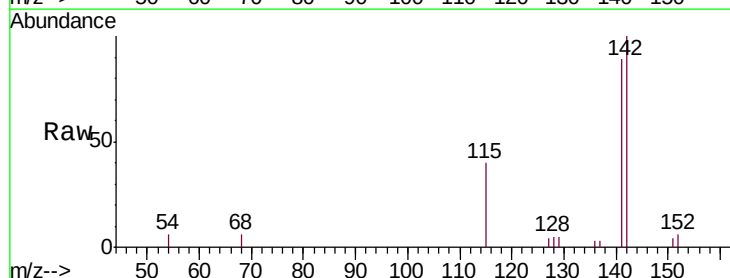
Acq: 08 Jun 2019 22:32

Tgt Ion:142 Resp: 4017

Ion Ratio Lower Upper

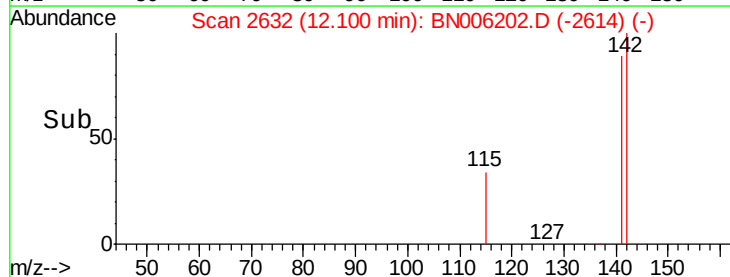
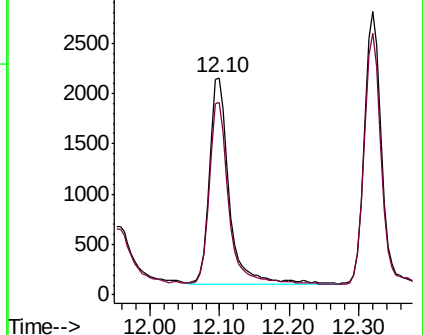
142 100

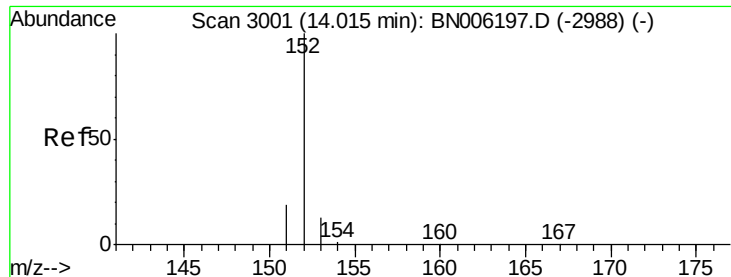
141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.744 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

Instrument :

BNA_N

ClientSampleId :

A51C2

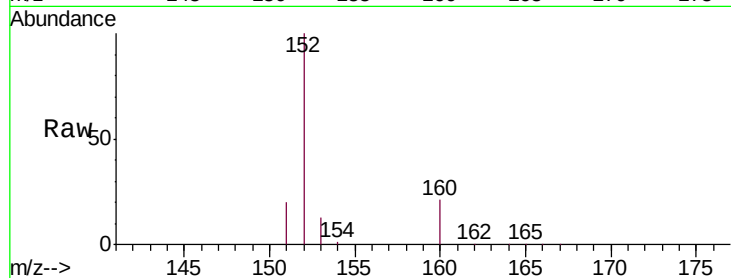
Tgt Ion:152 Resp: 99156

Ion Ratio Lower Upper

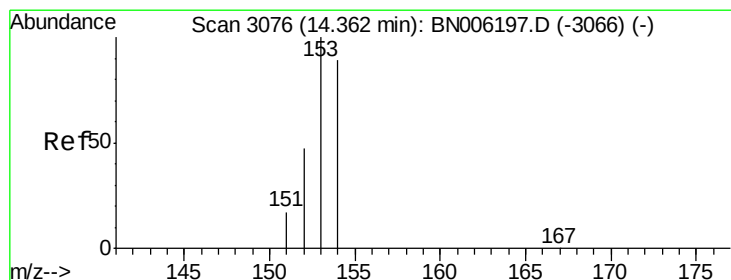
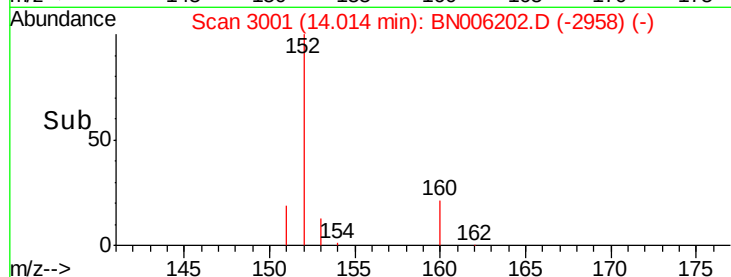
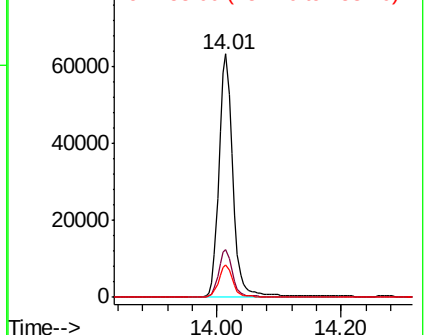
152 100

151 19.5 15.8 23.8

153 13.4 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: 0.267 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

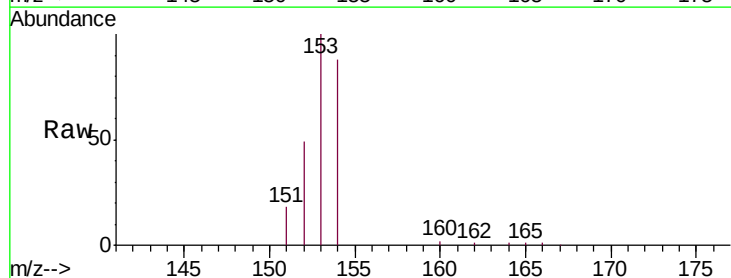
Tgt Ion:153 Resp: 24701

Ion Ratio Lower Upper

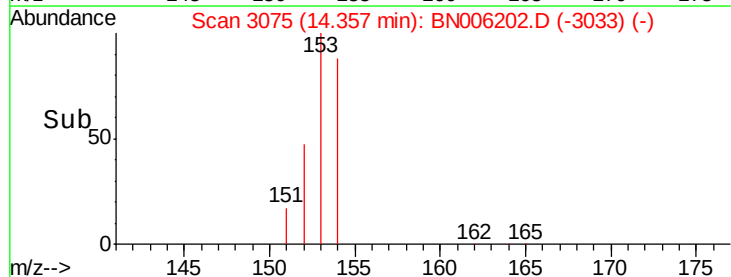
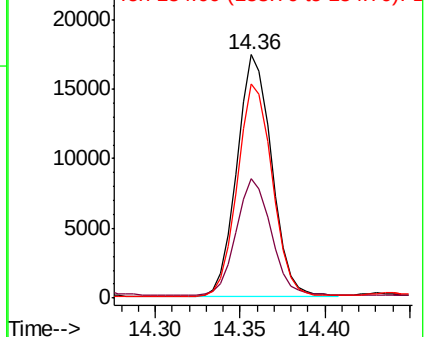
153 100

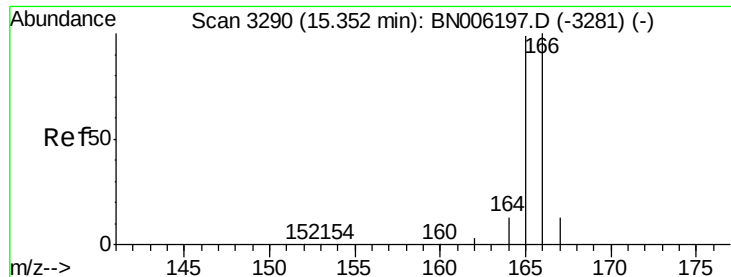
152 48.8 39.1 58.7

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: 0.538 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

Instrument :

BNA_N

ClientSampleId :

A51C2

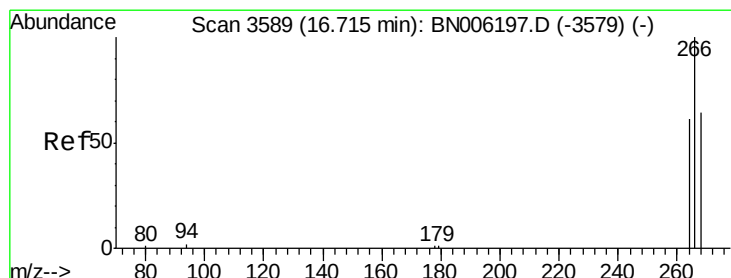
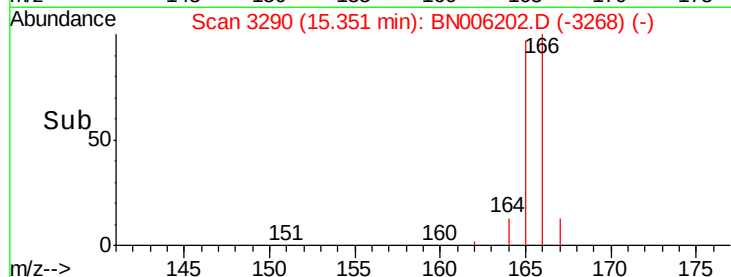
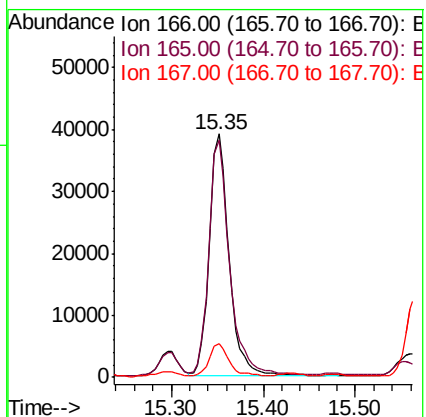
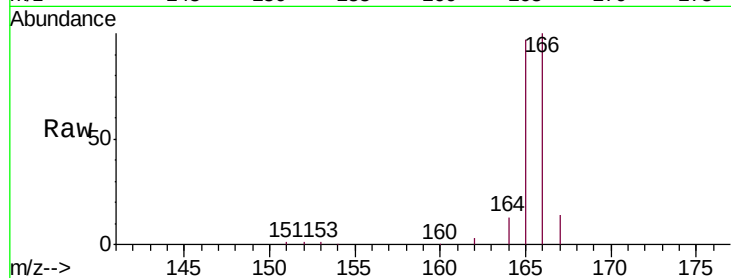
Tgt Ion:166 Resp: 58262

Ion Ratio Lower Upper

166 100

165 97.4 76.4 114.6

167 13.8 11.0 16.6



#11

Pentachlorophenol

Concen: 0.475 ng/ul

RT: 16.71 min Scan# 3587

Delta R.T. -0.01 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

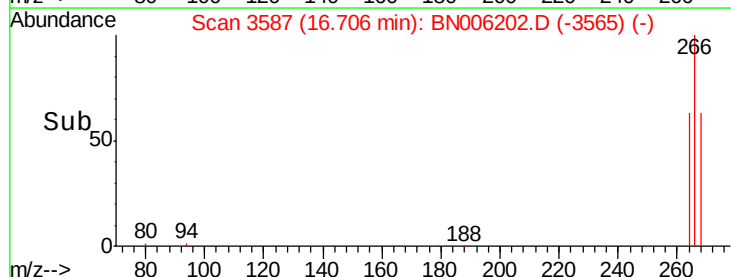
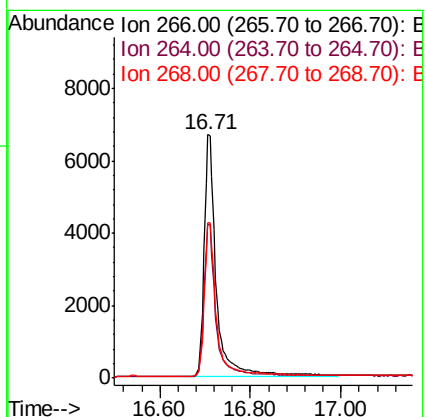
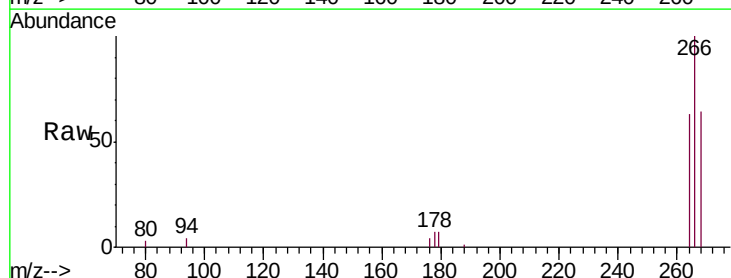
Tgt Ion:266 Resp: 12414

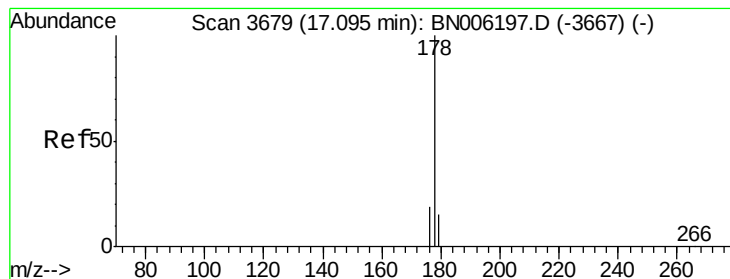
Ion Ratio Lower Upper

266 100

264 62.9 50.3 75.5

268 63.2 51.3 76.9





#12

Phenanthrene

Concen: 0.632 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

Instrument :

BNA_N

ClientSampleId :

A51C2

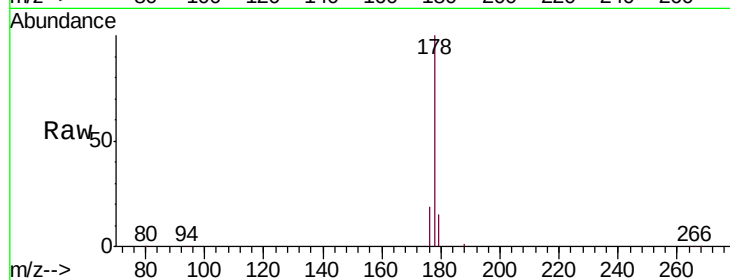
Tgt Ion:178 Resp: 208802

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

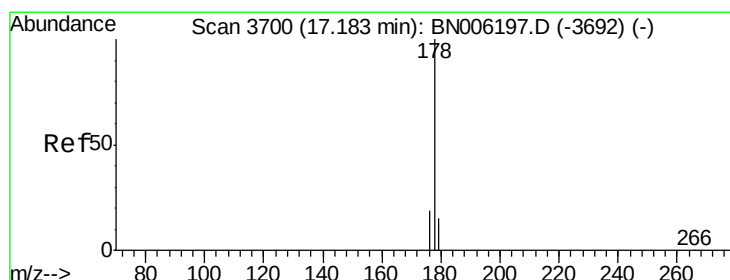
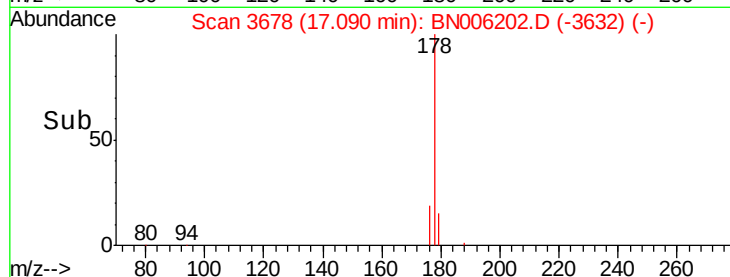
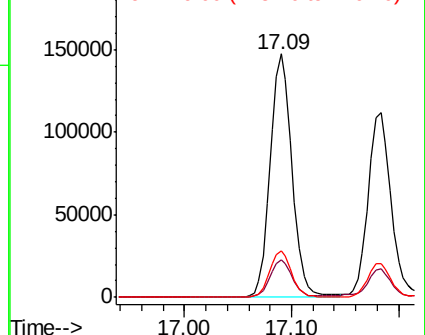
176 19.1 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

200000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.515 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

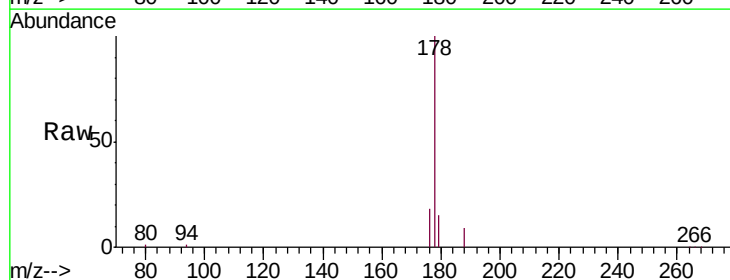
Tgt Ion:178 Resp: 162415

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

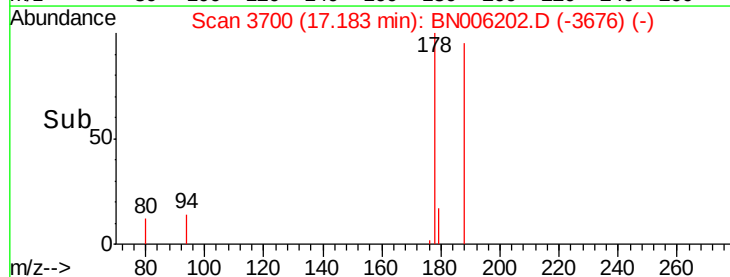
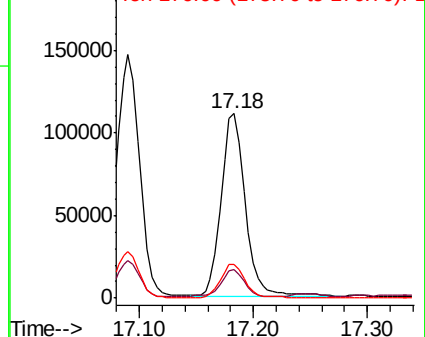
176 18.5 15.1 22.7

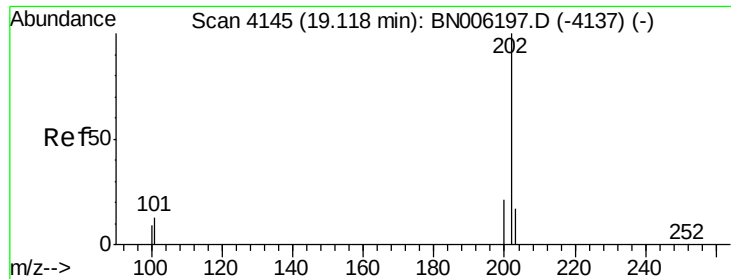


Abundance Ion 178.00 (177.70 to 178.70): E

200000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

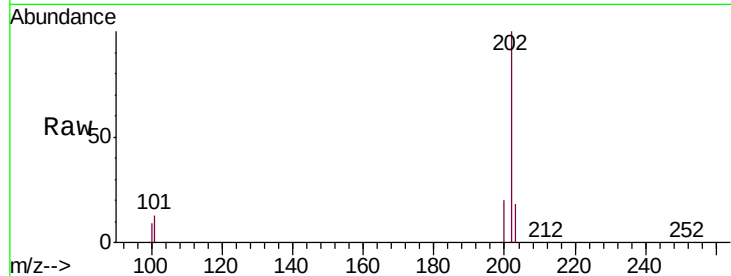




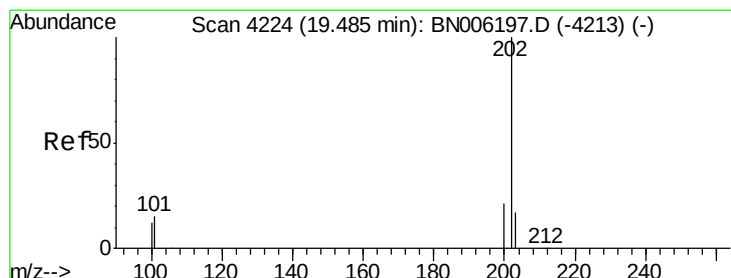
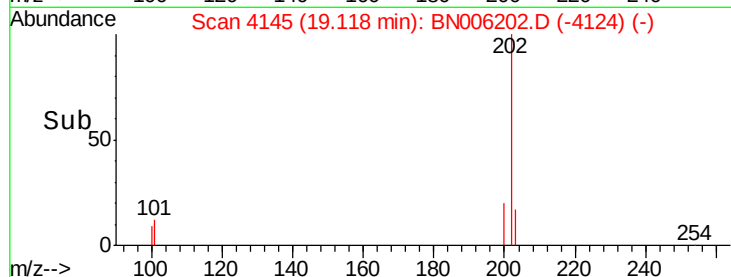
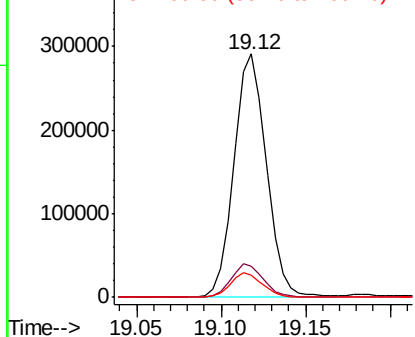
#15
 Fluoranthene
 Concen: 1.062 ng/ul
 RT: 19.12 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BN006202.D
 Acq: 08 Jun 2019 22:32

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Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.1
100	9.3	0.0	28.7

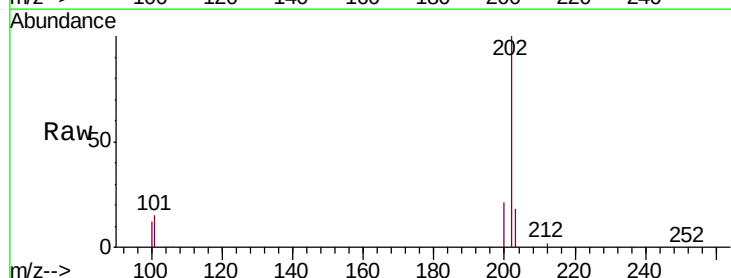


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

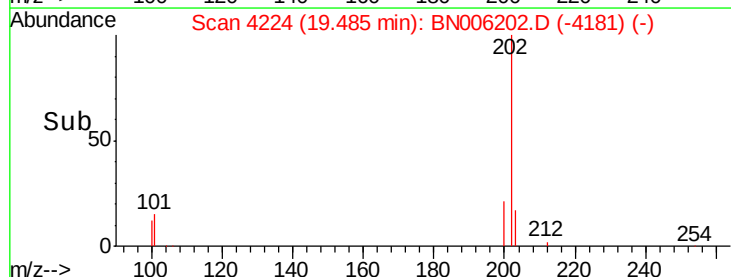
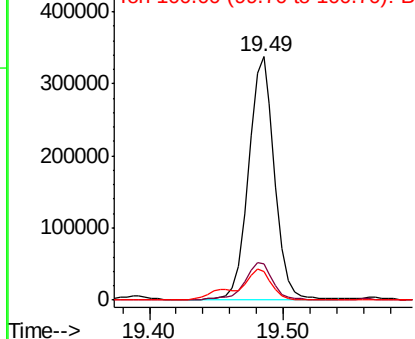


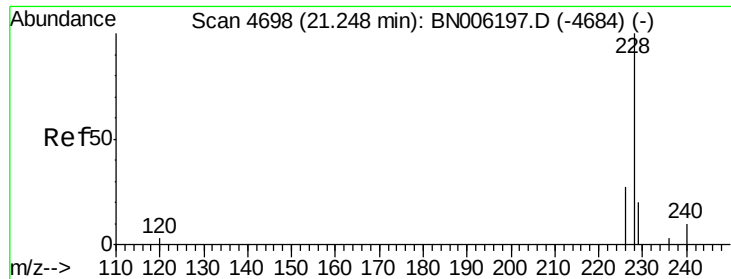
#17
 Pyrene
 Concen: 0.949 ng/ul
 RT: 19.49 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: BN006202.D
 Acq: 08 Jun 2019 22:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	12.2	18.2
100	11.5	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: 0.686 ng/ul

RT: 21.24 min Scan# 4696

Delta R.T. -0.00 min

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Instrument :

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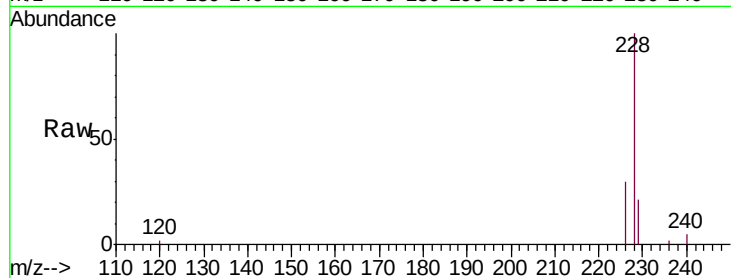
Tgt Ion:228 Resp: 274338

Ion Ratio Lower Upper

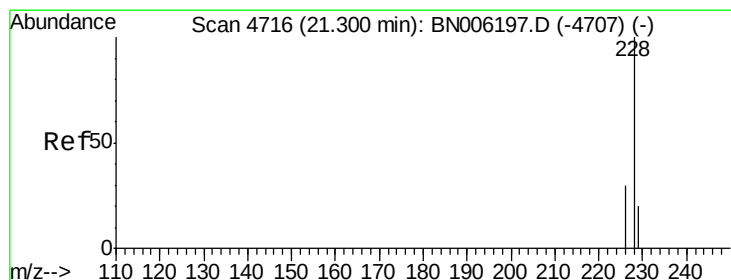
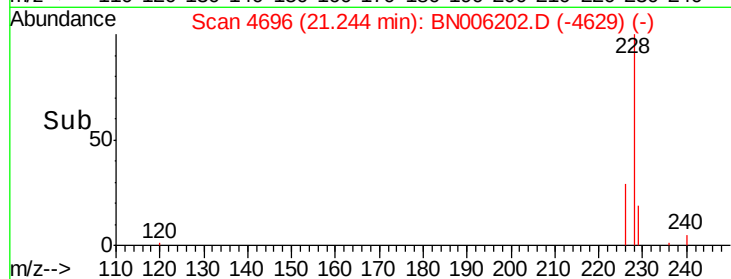
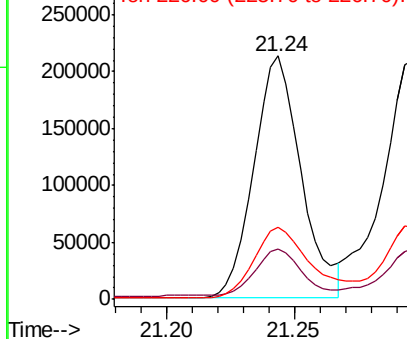
228 100

229 20.9 16.5 24.7

226 29.7 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: 0.787 ng/ul

RT: 21.30 min Scan# 4714

Delta R.T. -0.00 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

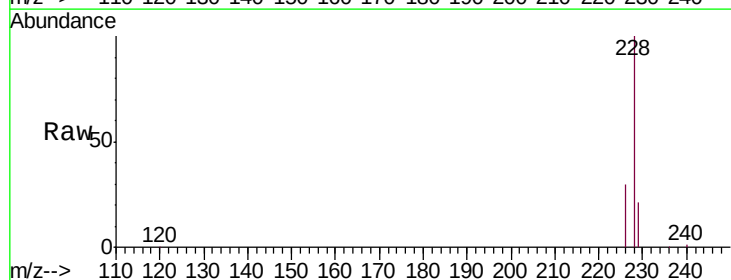
Tgt Ion:228 Resp: 295447

Ion Ratio Lower Upper

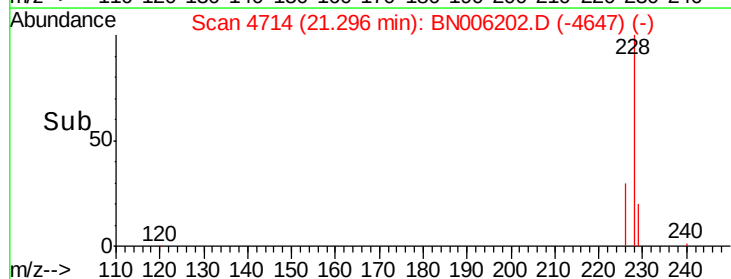
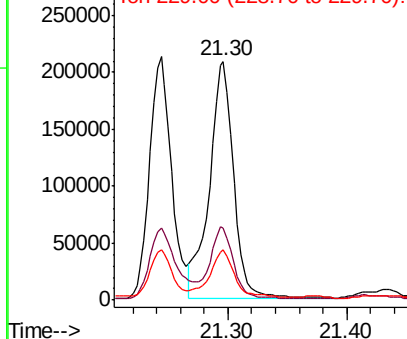
228 100

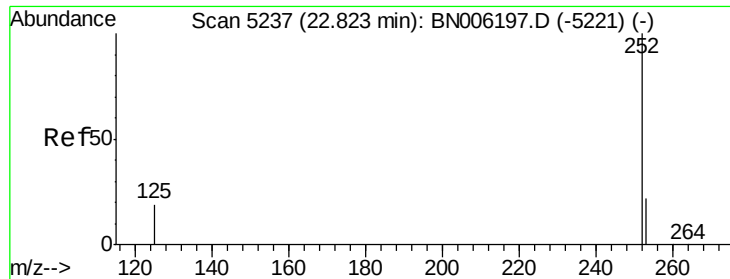
226 30.3 25.0 37.6

229 21.0 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: 0.746 ng/ul

RT: 22.82 min Scan# 5235

Delta R.T. -0.00 min

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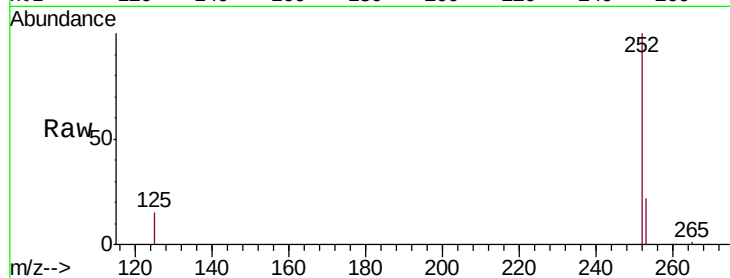
Tgt Ion:252 Resp: 342972

Ion Ratio Lower Upper

252 100

253 22.4 0.0 51.4

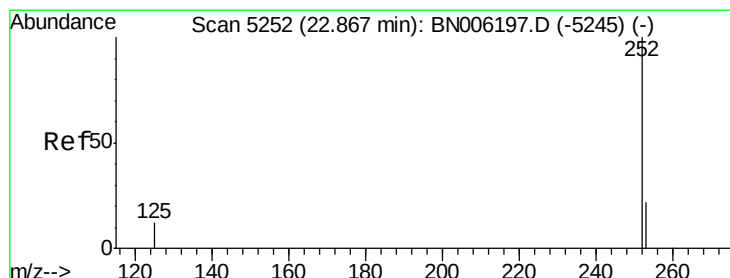
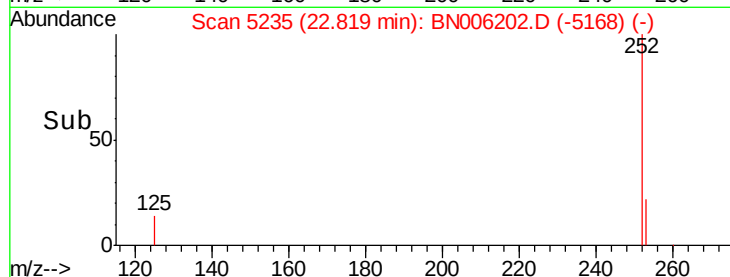
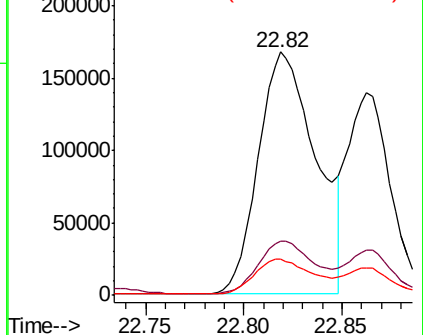
125 14.9 0.0 41.0



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: 0.766 ng/ul

RT: 22.82 min Scan# 5235

Delta R.T. -0.05 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

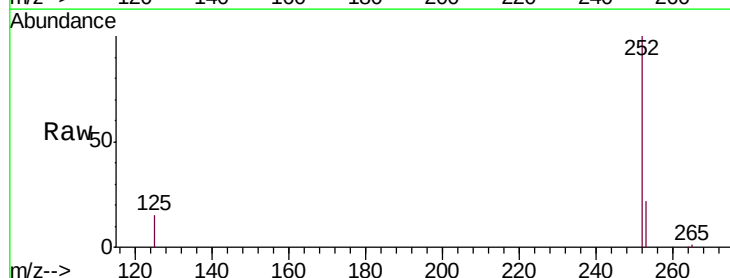
Tgt Ion:252 Resp: 342972

Ion Ratio Lower Upper

252 100

253 22.4 20.3 30.5

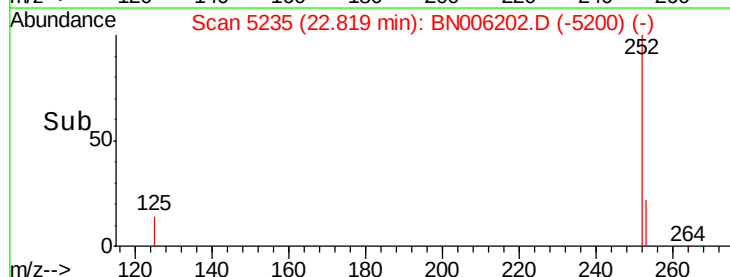
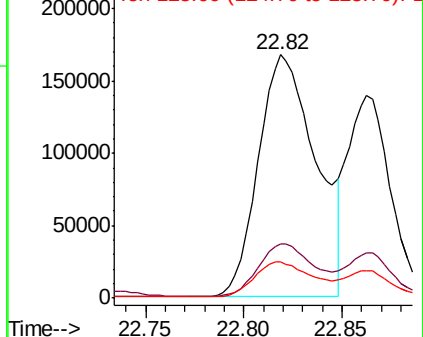
125 14.9 14.3 21.5

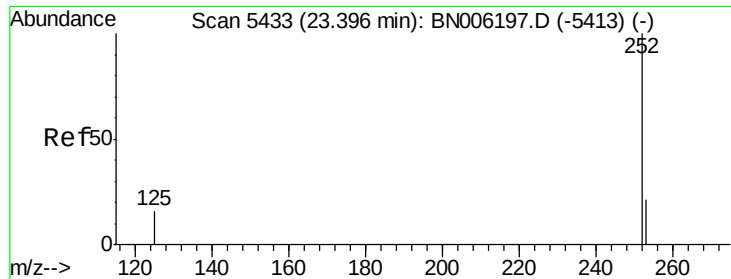


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.649 ng/ul

RT: 23.39 min Scan# 5430

Delta R.T. -0.01 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

Instrument :

BNA_N

ClientSampleId :

A51C2

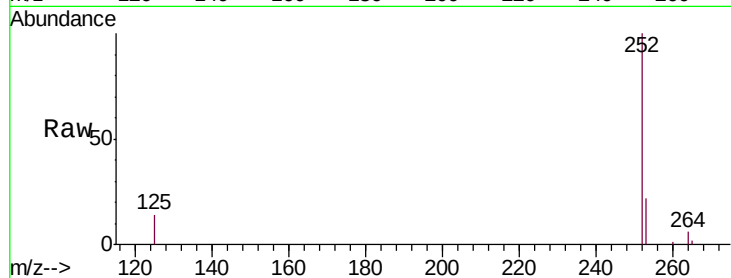
Tgt Ion:252 Resp: 278103

Ion Ratio Lower Upper

252 100

253 22.4 21.1 31.7

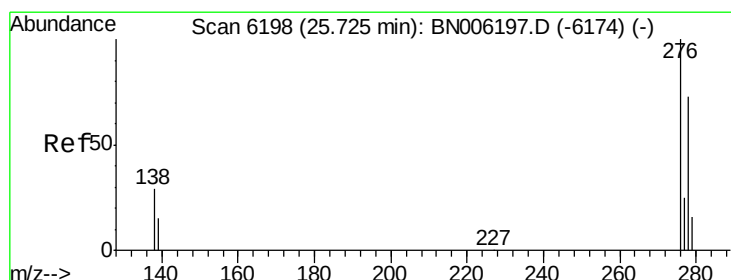
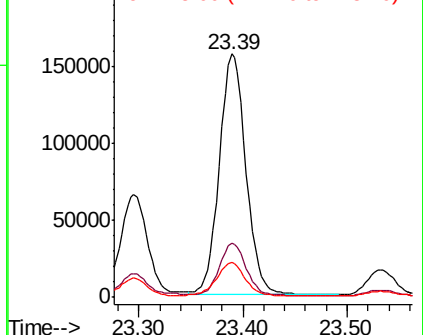
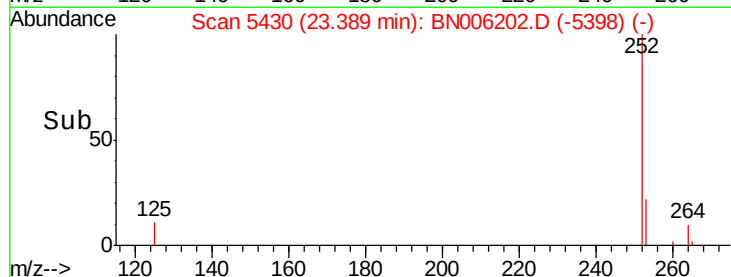
125 14.2 20.3 30.5#



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: 0.552 ng/ul

RT: 25.71 min Scan# 6194

Delta R.T. -0.01 min

Lab File: BN006202.D

Acq: 08 Jun 2019 22:32

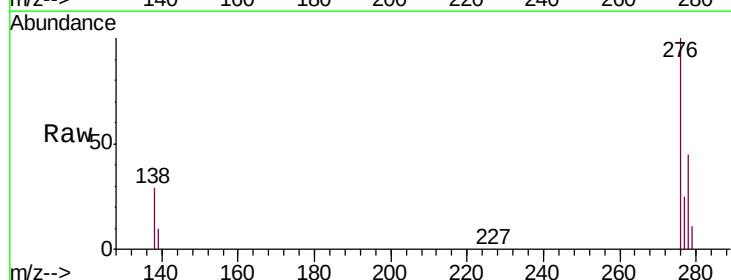
Tgt Ion:276 Resp: 255981

Ion Ratio Lower Upper

276 100

138 28.1 25.6 38.4

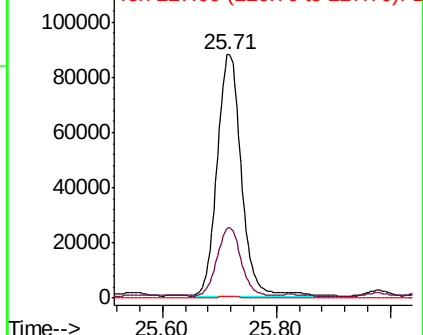
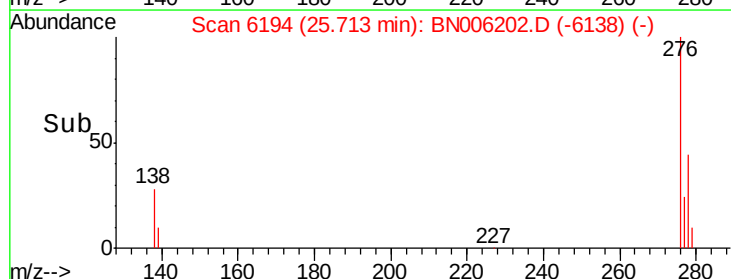
227 0.2 0.3 0.5#

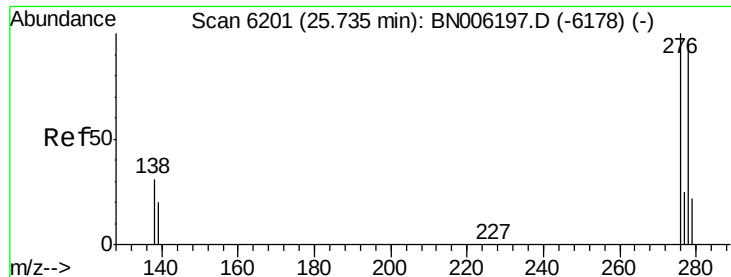


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

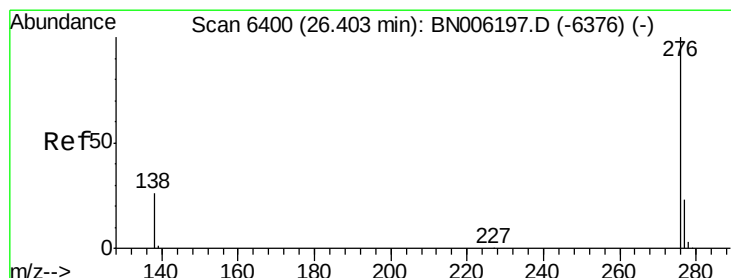
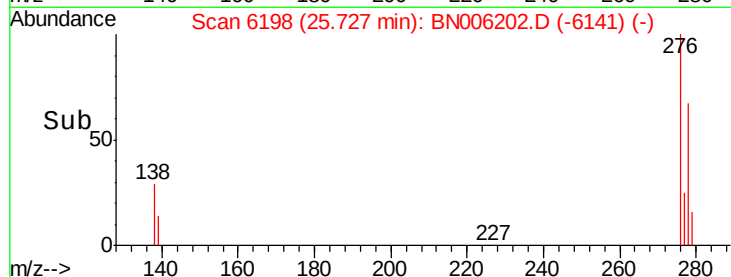
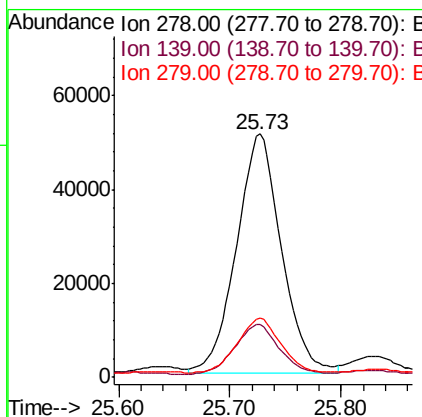
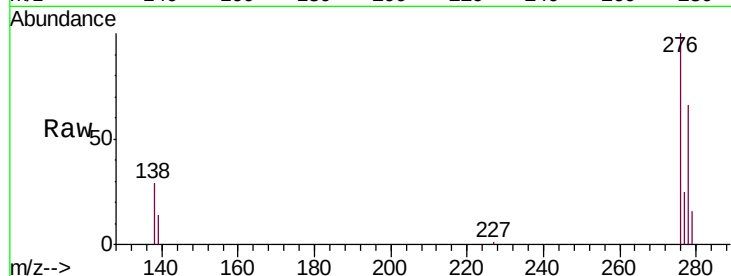




#25
Dibenzo(a,h)anthracene
Concen: 0.388 ng/ul
RT: 25.73 min Scan# 6198
Delta R.T. -0.01 min
Lab File: BN006202.D
Acq: 08 Jun 2019 22:32

Instrument :
BNA_N
ClientSampleId :
A51C2

Tgt Ion: 278 Resp: 143702
Ion Ratio Lower Upper
278 100
139 21.7 21.2 31.8
279 24.4 22.6 33.8



#26
Benzo(g,h,i)perylene
Concen: 0.488 ng/ul
RT: 26.39 min Scan# 6397
Delta R.T. -0.01 min
Lab File: BN006202.D
Acq: 08 Jun 2019 22:32

Tgt Ion: 276 Resp: 189352
Ion Ratio Lower Upper
276 100
138 27.1 24.2 36.4
277 24.0 21.5 32.3

