

Data File : BN005490.D
Acq On : 06 May 2019 18:10
Operator : JU/SJ
Sample : SSTD0.259
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.259

Quant Time: May 07 02:50:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 02:47:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1815	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	6648	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.25	164	3779	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9878	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	10951	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	12824	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	2023	0.19	ng/ul	0.03
14) Fluoranthene-d10	19.04	212	6208	0.22	ng/ul	0.00

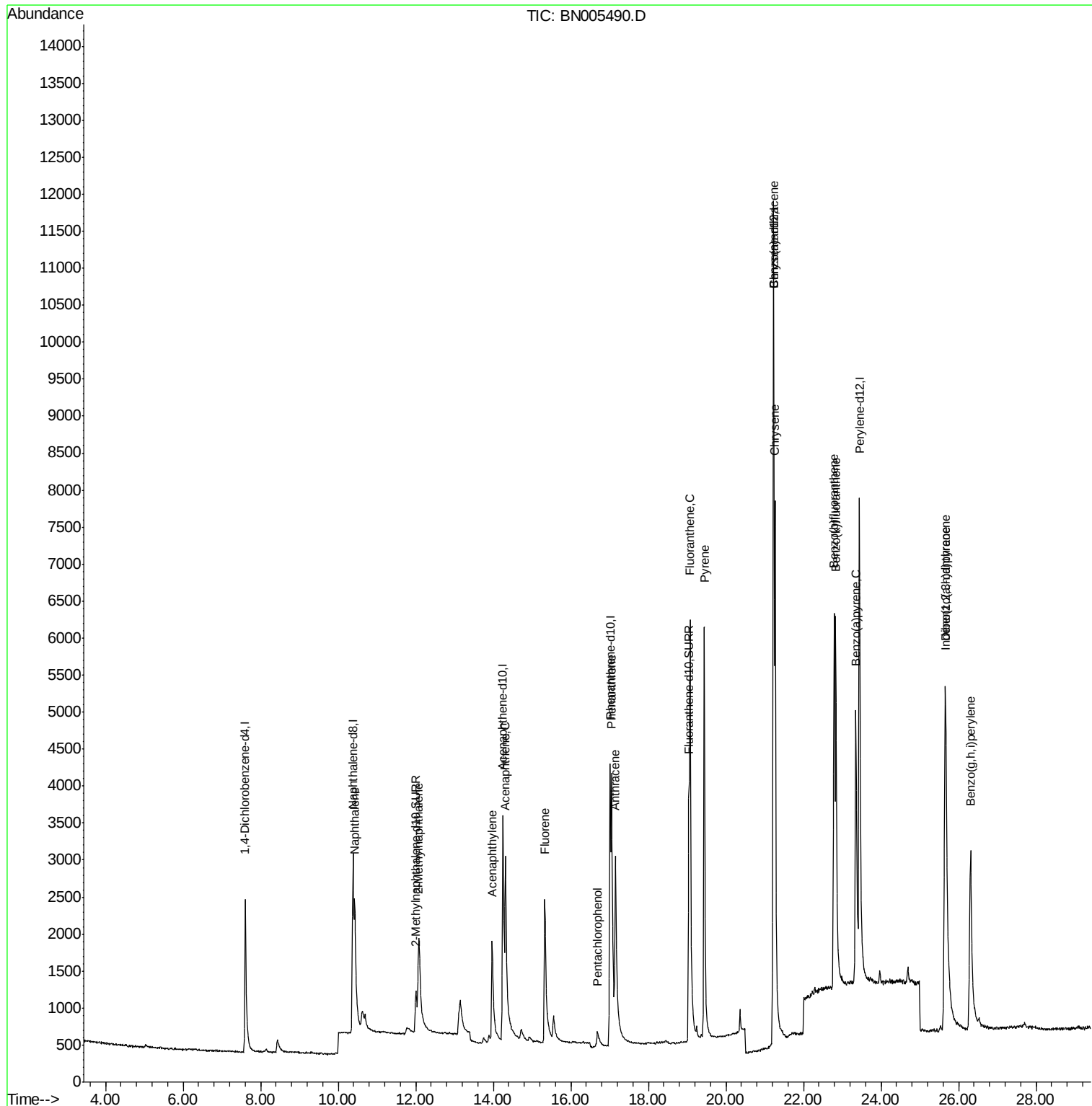
Target Compounds				Qvalue		
3) Naphthalene	10.43	128	3458	0.191	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	2302	0.180	ng/ul	97
7) Acenaphthylene	13.97	152	3718	0.196	ng/ul	96
8) Acenaphthene	14.31	153	2619	0.187	ng/ul	96
9) Fluorene	15.33	166	3068	0.190	ng/ul#	98
11) Pentachlorophenol	16.68	266	419	0.175	ng/ul	90
12) Phenanthrene	17.05	178	5174	0.173	ng/ul	97
13) Anthracene	17.15	178	5194	0.187	ng/ul	98
15) Fluoranthene	19.07	202	7430	0.211	ng/ul	96
17) Pyrene	19.44	202	8119	0.178	ng/ul	98
18) Benzo(a)anthracene	21.22	228	7271	0.177	ng/ul	98
19) Chrysene	21.27	228	9397	0.216	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	7345	0.156	ng/ul	93
22) Benzo(k)fluoranthene	22.83	252	9736	0.200	ng/ul#	94
23) Benzo(a)pyrene	23.35	252	8520	0.196	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.65	276	9451	0.196	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.67	278	7719	0.195	ng/ul	95
26) Benzo(g,h,i)perylene	26.31	276	8059	0.196	ng/ul	95

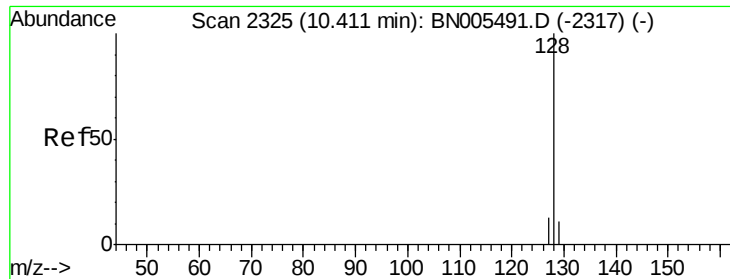
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.191 ng/ul

RT: 10.43 min Scan# 2328

Delta R.T. 0.02 min

Lab File: BN005490.D

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Instrument :

BNA_N

ClientSampleId :

SSTD0.259

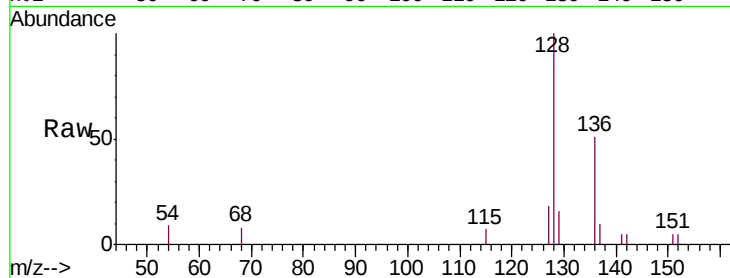
Tgt Ion:128 Resp: 3458

Ion Ratio Lower Upper

128 100

129 15.9 10.2 15.2#

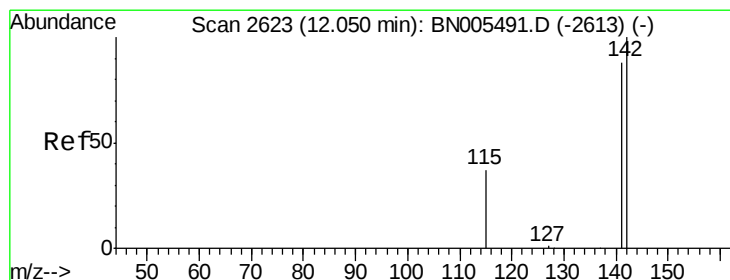
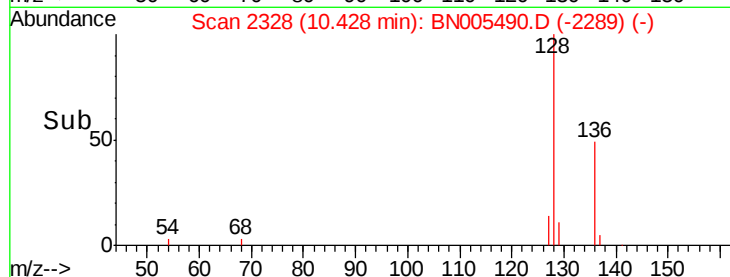
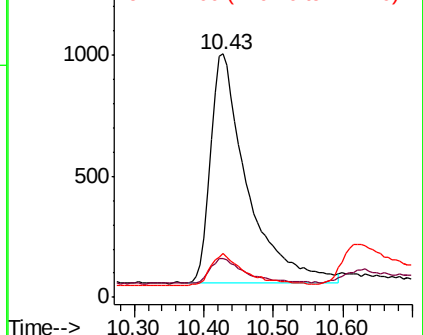
127 18.0 11.8 17.8#



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: 0.180 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. 0.03 min

Lab File: BN005490.D

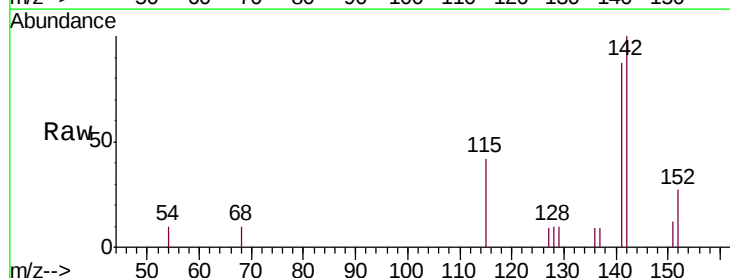
Acq: 06 May 2019 18:10

Tgt Ion:142 Resp: 2302

Ion Ratio Lower Upper

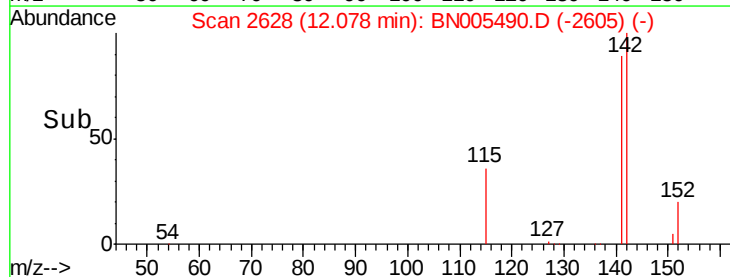
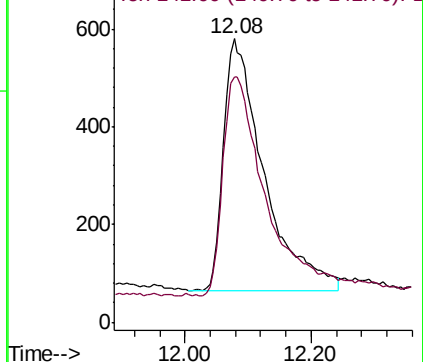
142 100

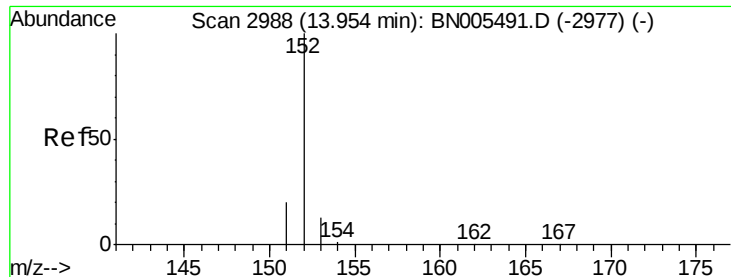
141 92.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.196 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. 0.01 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.259

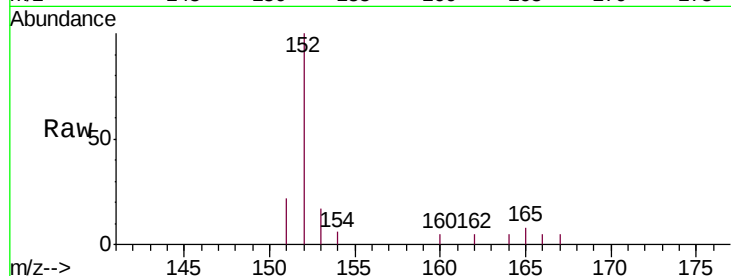
Tgt Ion:152 Resp: 3718

Ion Ratio Lower Upper

152 100

151 22.1 16.7 25.1

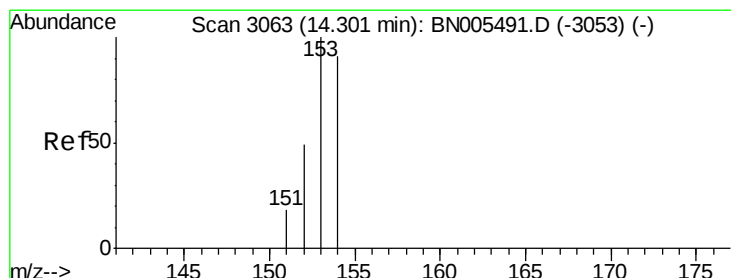
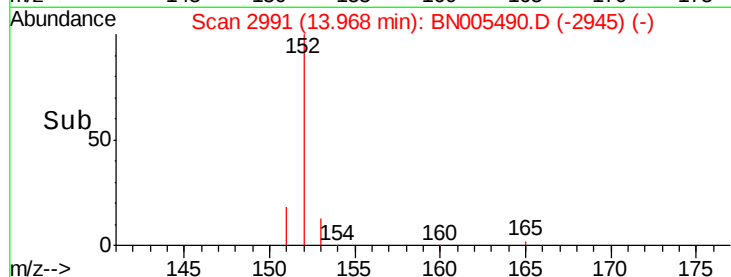
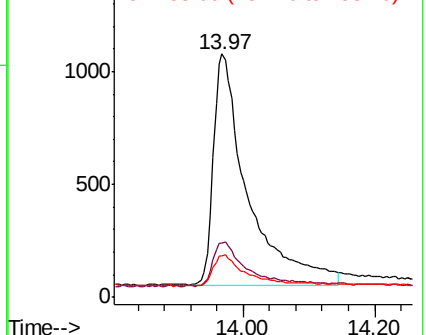
153 17.1 11.6 17.4



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: 0.187 ng/ul

RT: 14.31 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

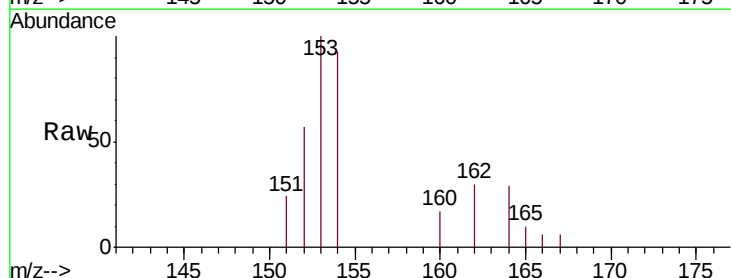
Tgt Ion:153 Resp: 2619

Ion Ratio Lower Upper

153 100

152 56.8 40.8 61.2

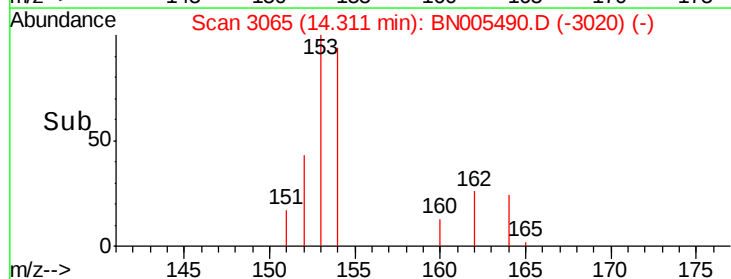
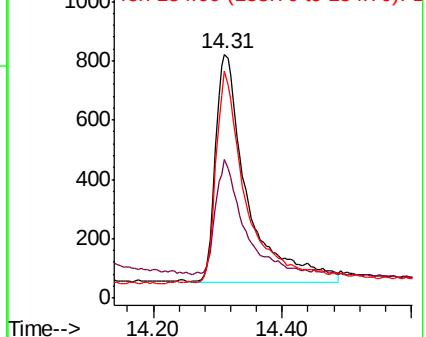
154 92.9 73.2 109.8

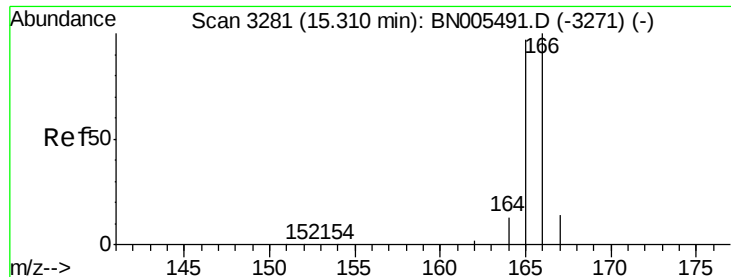


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.190 ng/ul

RT: 15.33 min Scan# 3285

Delta R.T. 0.02 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

Instrument :

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ClientSampleId :

SSTD0.259

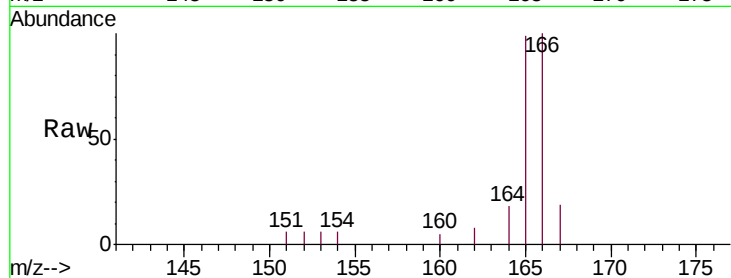
Tgt Ion:166 Resp: 3068

Ion Ratio Lower Upper

166 100

165 98.6 78.0 117.0

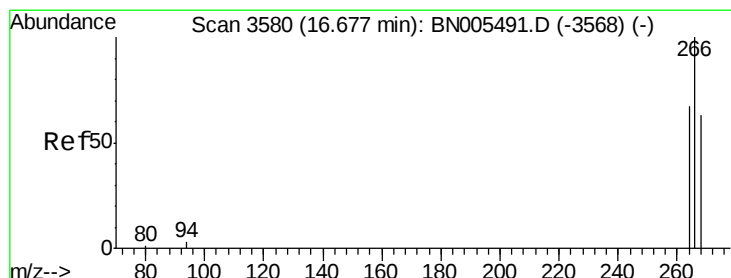
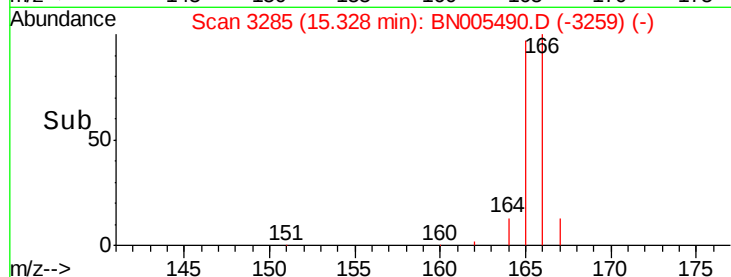
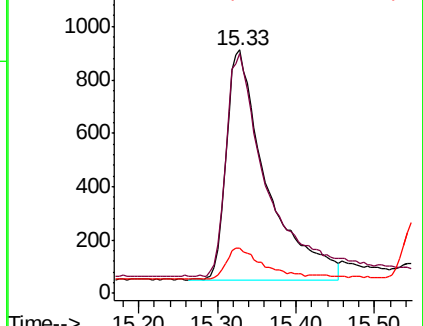
167 18.5 12.2 18.4#



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



#11

Pentachlorophenol

Concen: 0.175 ng/ul

RT: 16.68 min Scan# 3582

Delta R.T. 0.01 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

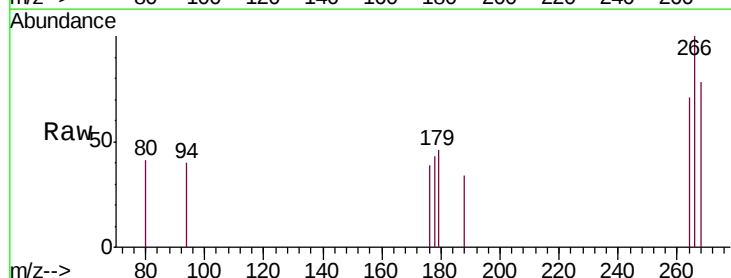
Tgt Ion:266 Resp: 419

Ion Ratio Lower Upper

266 100

264 59.9 55.3 82.9

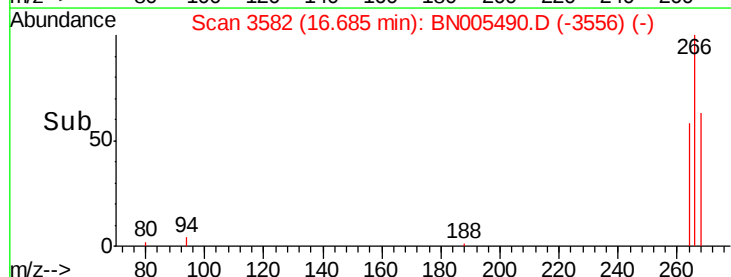
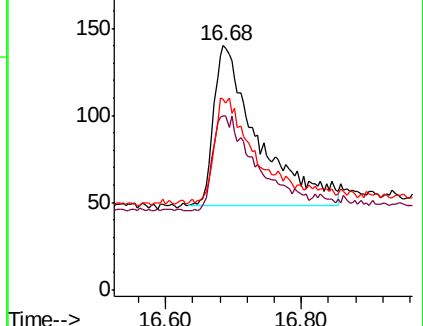
268 64.0 56.7 85.1

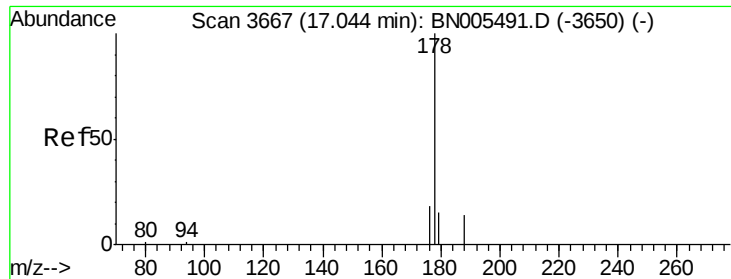


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.173 ng/ul

RT: 17.05 min Scan# 3668

Delta R.T. 0.00 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

Instrument :

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ClientSampleId :

SSTD0.259

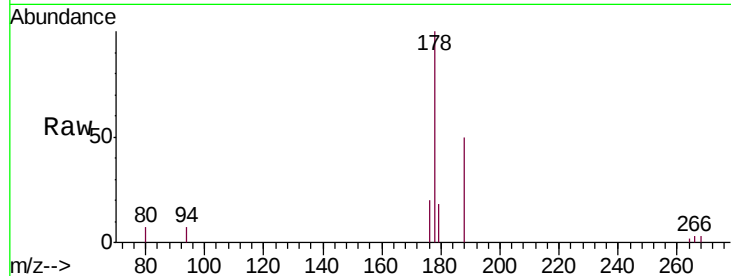
Tgt Ion:178 Resp: 5174

Ion Ratio Lower Upper

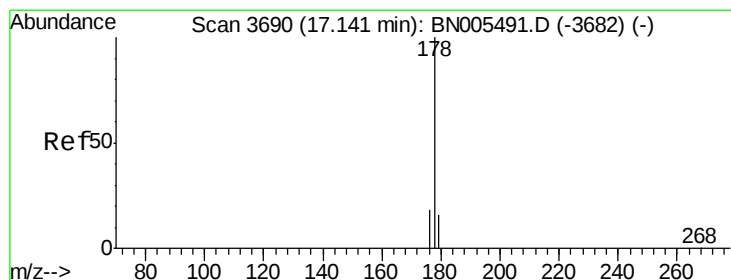
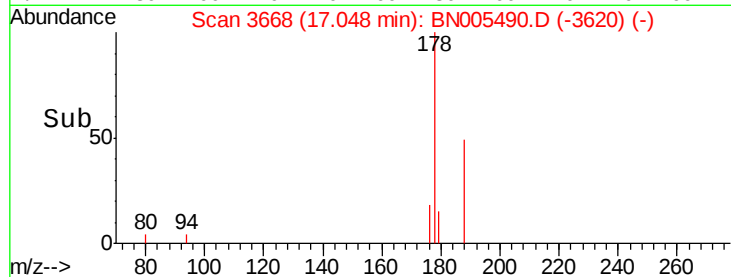
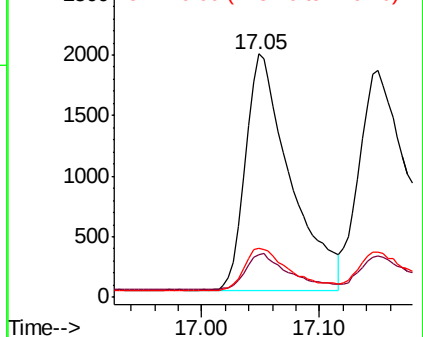
178 100

179 17.5 12.8 19.2

176 20.1 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



#13

Anthracene

Concen: 0.187 ng/ul

RT: 17.15 min Scan# 3692

Delta R.T. 0.01 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

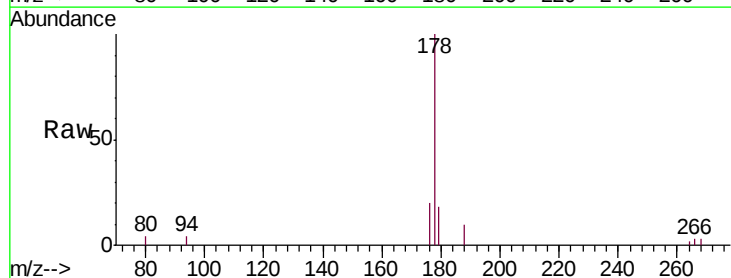
Tgt Ion:178 Resp: 5194

Ion Ratio Lower Upper

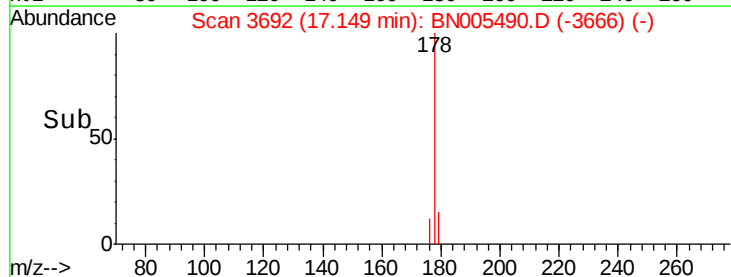
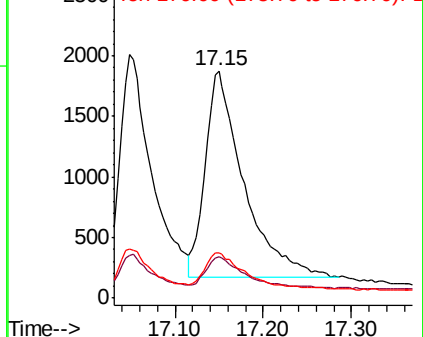
178 100

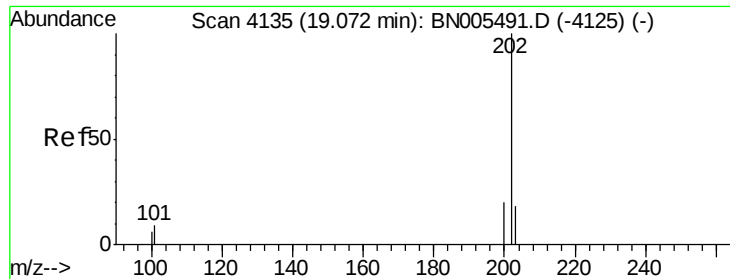
179 18.0 13.4 20.2

176 19.9 15.1 22.7



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





#15

Fluoranthene

Concen: 0.211 ng/ul

RT: 19.07 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN005490.D

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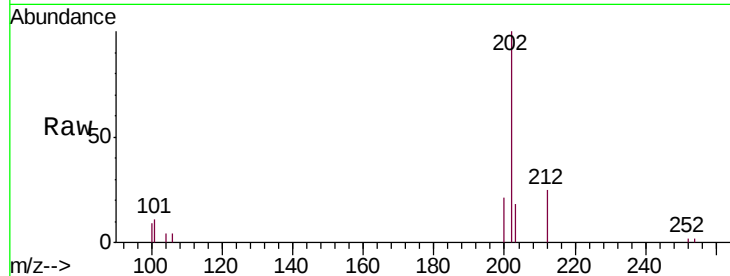
Tgt Ion:202 Resp: 7430

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.4

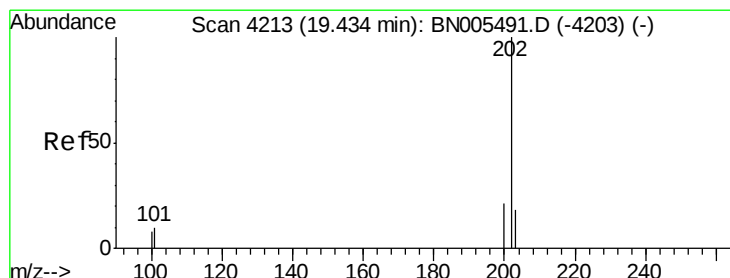
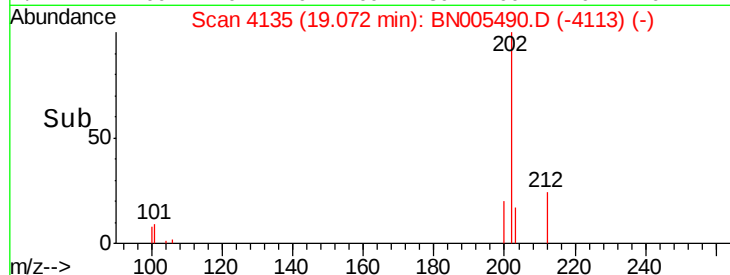
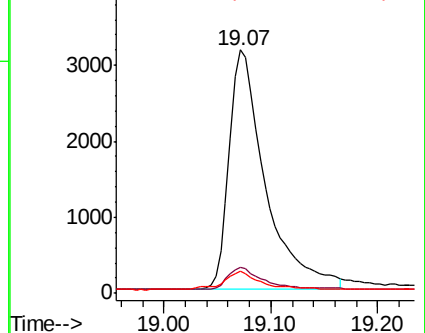
100 8.9 0.0 27.1



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



#17

Pyrene

Concen: 0.178 ng/ul

RT: 19.44 min Scan# 4214

Delta R.T. 0.00 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

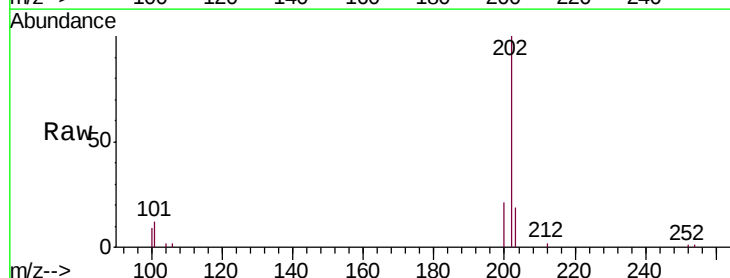
Tgt Ion:202 Resp: 8119

Ion Ratio Lower Upper

202 100

101 11.5 8.5 12.7

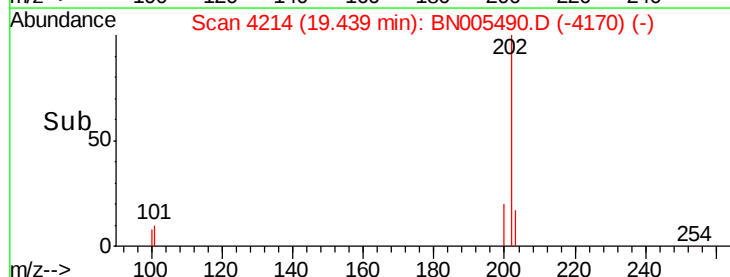
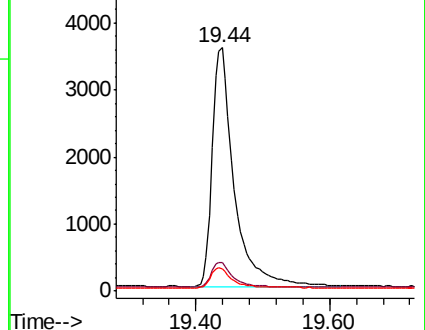
100 9.1 6.9 10.3

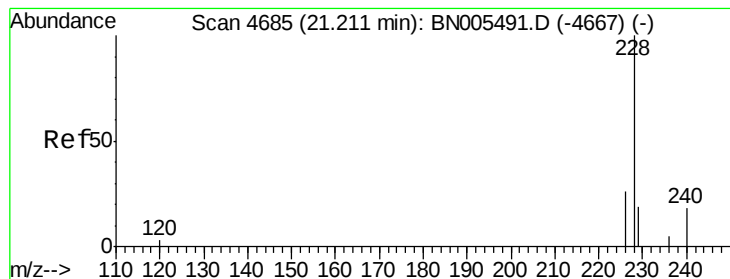


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.177 ng/ul

RT: 21.22 min Scan# 4688

Delta R.T. 0.01 min

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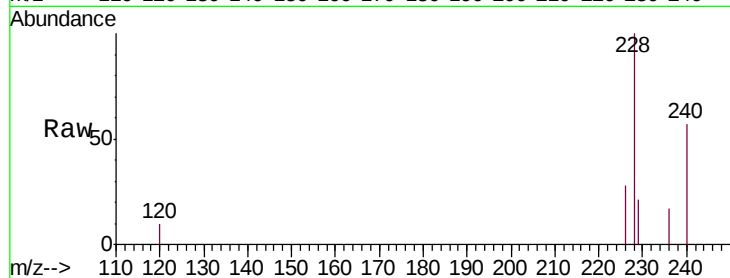
Tgt Ion:228 Resp: 7271

Ion Ratio Lower Upper

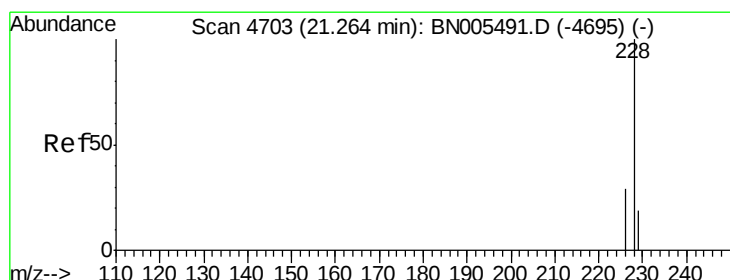
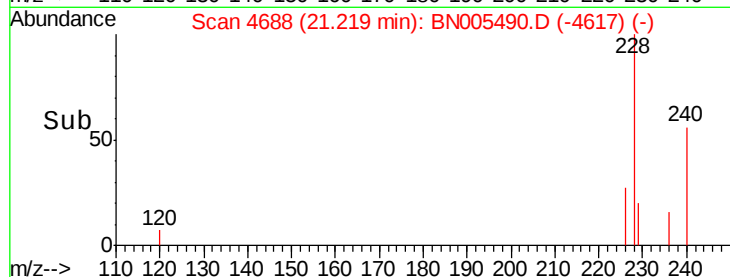
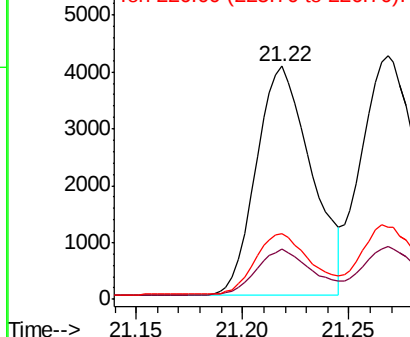
228 100

229 21.3 15.8 23.8

226 27.9 21.7 32.5



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: 0.216 ng/ul

RT: 21.27 min Scan# 4705

Delta R.T. 0.00 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

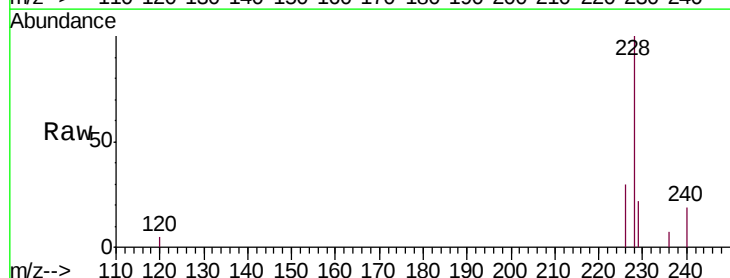
Tgt Ion:228 Resp: 9397

Ion Ratio Lower Upper

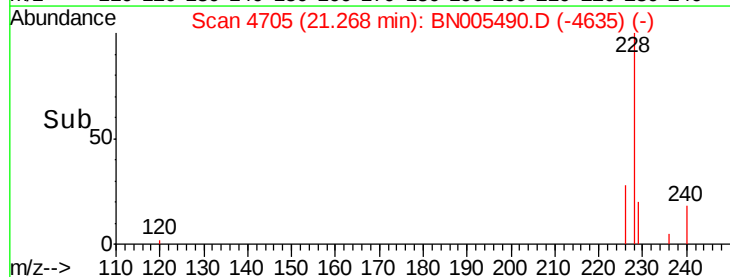
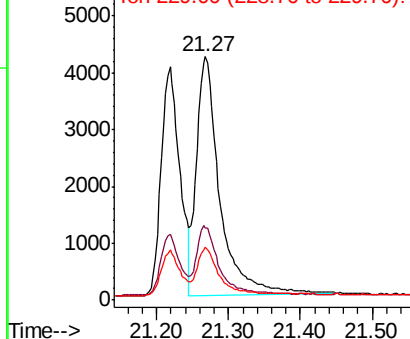
228 100

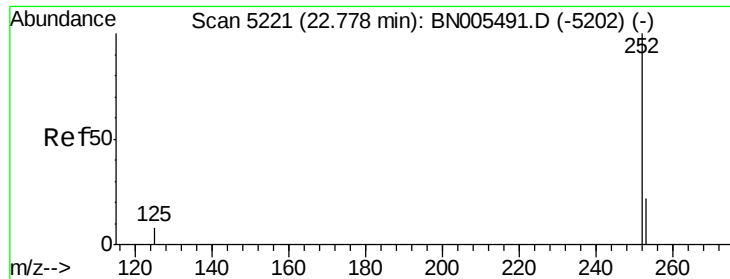
226 29.6 23.2 34.8

229 21.8 16.0 24.0



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: 0.156 ng/u1

RT: 22.78 min Scan# 5224

Delta R.T. 0.01 min

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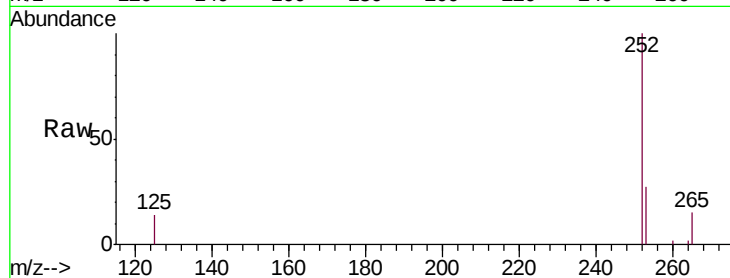
Tgt Ion:252 Resp: 7345

Ion Ratio Lower Upper

252 100

253 26.5 0.0 47.6

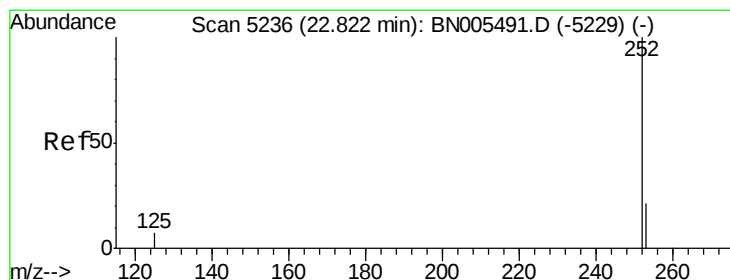
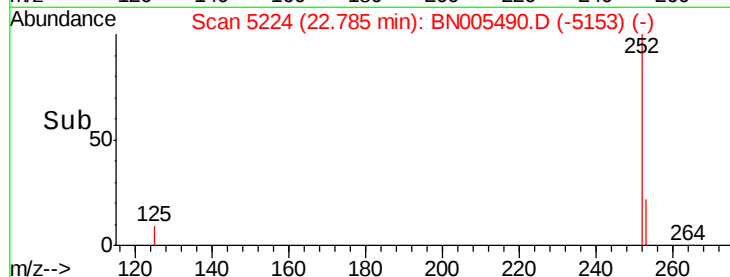
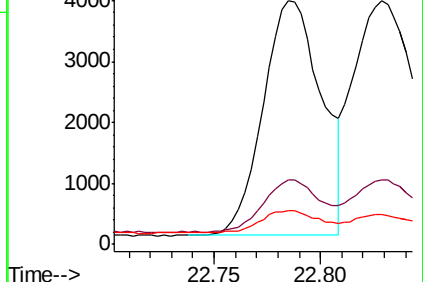
125 13.8 0.0 20.8



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: 0.200 ng/u1

RT: 22.83 min Scan# 5239

Delta R.T. 0.01 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

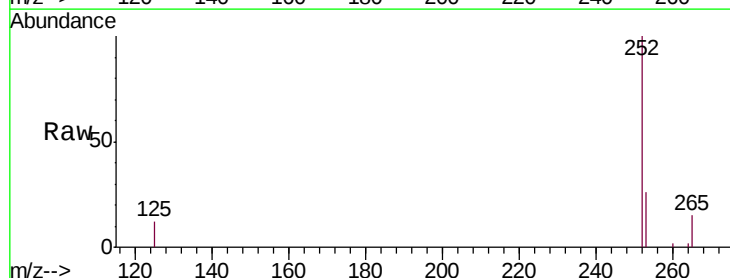
Tgt Ion:252 Resp: 9736

Ion Ratio Lower Upper

252 100

253 26.3 18.8 28.2

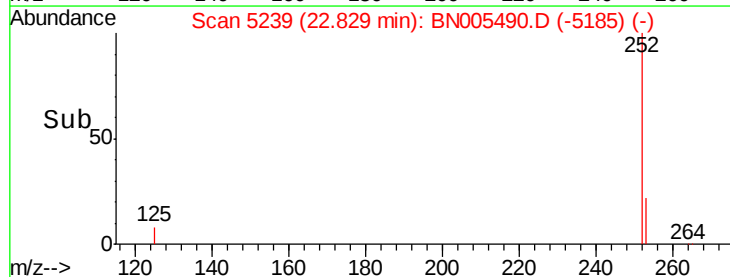
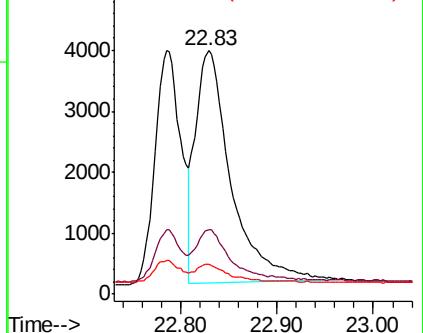
125 12.3 7.6 11.4#

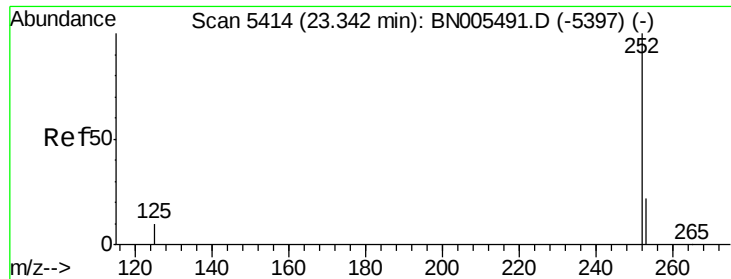


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.196 ng/ul

RT: 23.35 min Scan# 5416

Delta R.T. 0.00 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.259

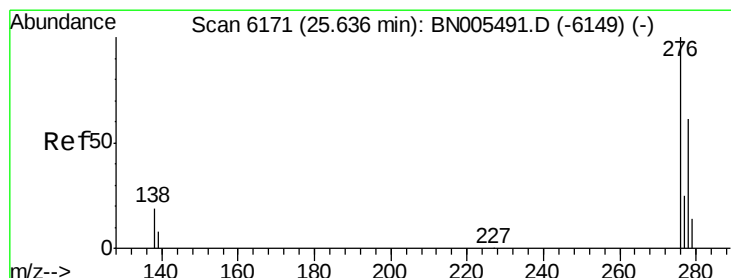
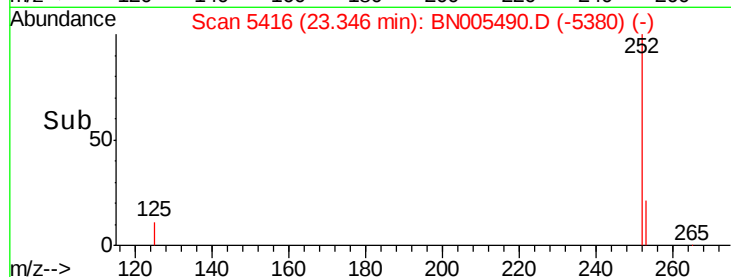
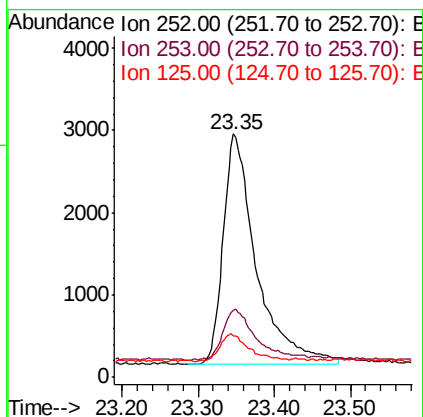
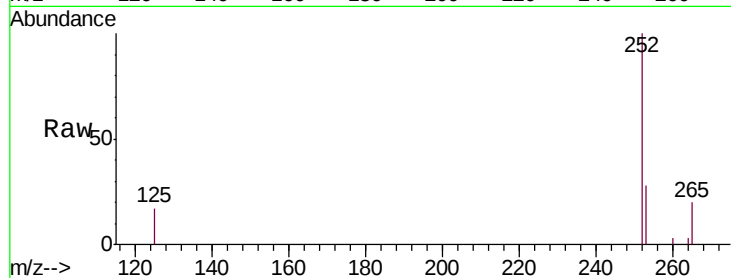
Tgt Ion:252 Resp: 8520

Ion Ratio Lower Upper

252 100

253 27.7 19.6 29.4

125 16.9 10.1 15.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.196 ng/ul

RT: 25.65 min Scan# 6175

Delta R.T. 0.01 min

Lab File: BN005490.D

Acq: 06 May 2019 18:10

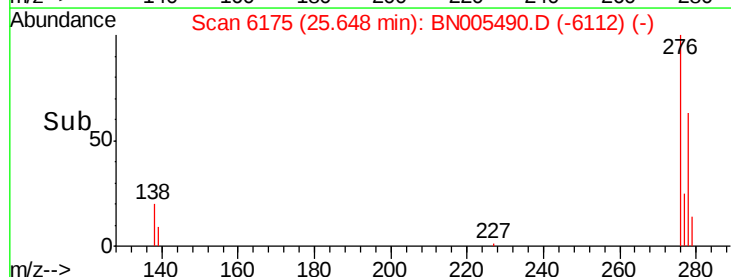
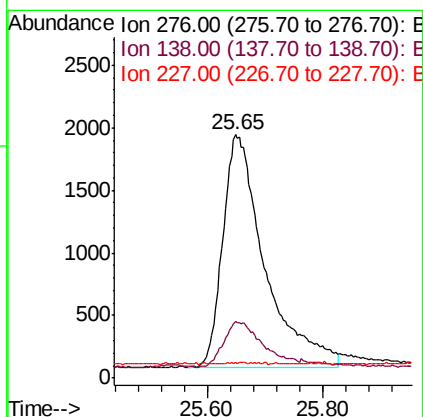
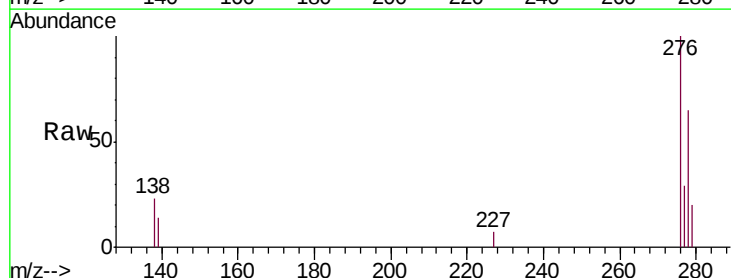
Tgt Ion:276 Resp: 9451

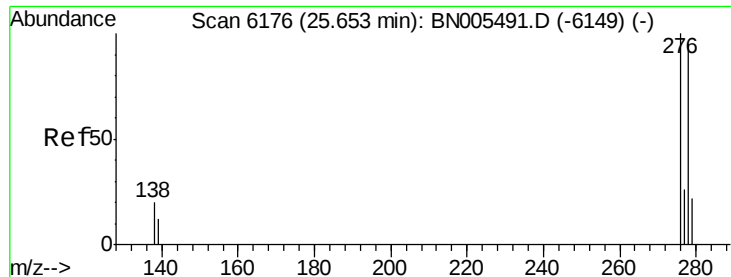
Ion Ratio Lower Upper

276 100

138 18.2 15.8 23.8

227 0.0 0.1 0.1#

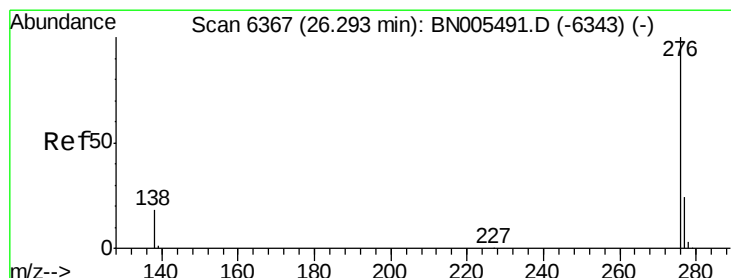
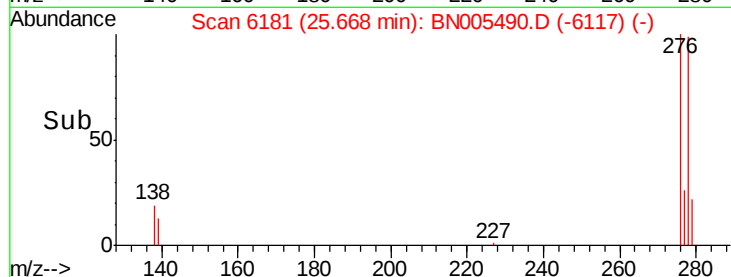
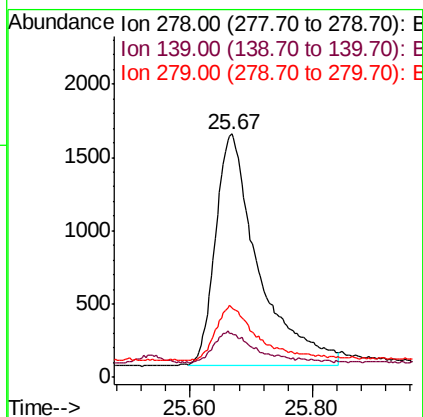
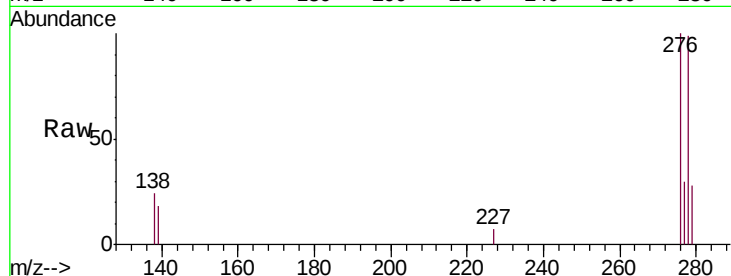




#25
Dibenzo(a,h)anthracene
Concen: 0.195 ng/ul
RT: 25.67 min Scan# 6181
Delta R.T. 0.02 min
Lab File: BN005490.D
Acq: 06 May 2019 18:10

Instrument :
BNA_N
ClientSampleId :
SSTD0.259

Tgt Ion: 278 Resp: 7719
Ion Ratio Lower Upper
278 100
139 18.0 12.4 18.6
279 28.7 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.196 ng/ul
RT: 26.31 min Scan# 6372
Delta R.T. 0.02 min
Lab File: BN005490.D
Acq: 06 May 2019 18:10

Tgt Ion: 276 Resp: 8059
Ion Ratio Lower Upper
276 100
138 21.1 15.6 23.4
277 28.6 20.6 31.0

