

Data File : BN005668.D
Acq On : 14 May 2019 00:52
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.474

Quant Time: May 14 05:28:39 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 14 05:24:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1205	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	5126	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	3330	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	8459	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	8307	0.40	ng/ul	-0.01
20) Perylene-d12	23.43	264	8119	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	3471	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	10609	0.40	ng/ul	0.00

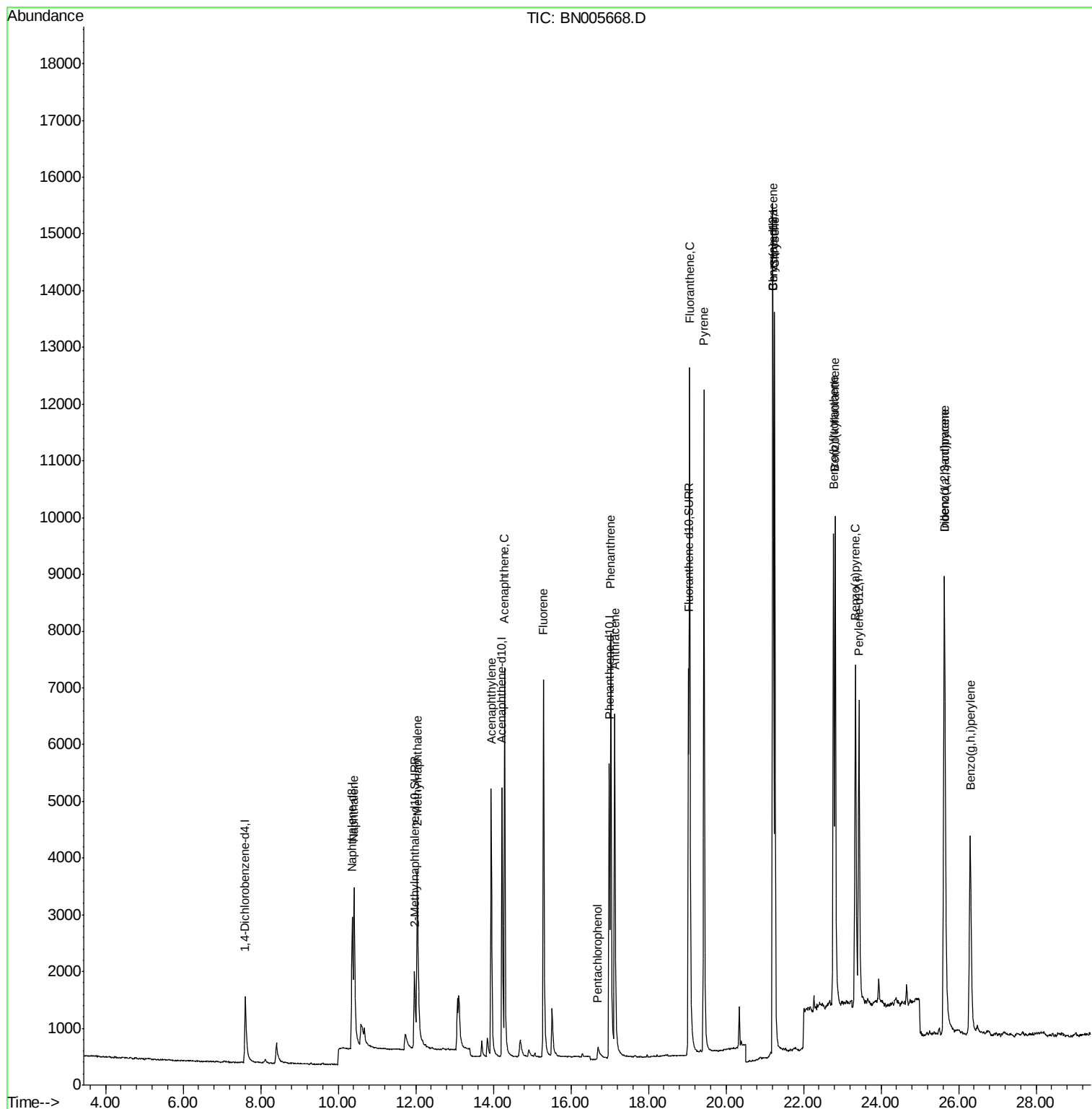
Target Compounds						Qvalue
3) Naphthalene	10.41	128	5504	0.406	ng/ul	98
5) 2-Methylnaphthalene	12.04	142	4036	0.436	ng/ul	100
7) Acenaphthylene	13.95	152	6987	0.417	ng/ul	99
8) Acenaphthene	14.29	153	4896	0.413	ng/ul	99
9) Fluorene	15.30	166	5806	0.419	ng/ul	99
11) Pentachlorophenol	16.70	266	561	0.256	ng/ul#	82
12) Phenanthrene	17.03	178	9733	0.422	ng/ul	100
13) Anthracene	17.13	178	9485	0.413	ng/ul	100
15) Fluoranthene	19.06	202	12692	0.398	ng/ul	97
17) Pyrene	19.43	202	13307	0.434	ng/ul	98
18) Benzo(a)anthracene	21.21	228	12440	0.434	ng/ul	99
19) Chrysene	21.26	228	13642	0.388	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	11589	0.475	ng/ul	93
22) Benzo(k)fluoranthene	22.82	252	12591	0.412	ng/ul#	95
23) Benzo(a)pyrene	23.34	252	11407	0.418	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.63	276	11435	0.375	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.64	278	9372	0.372	ng/ul#	94
26) Benzo(g,h,i)perylene	26.30	276	9327	0.358	ng/ul	98

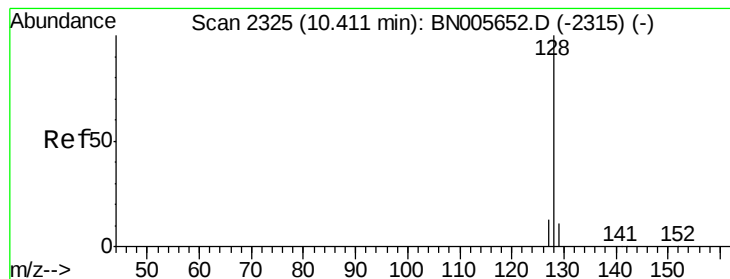
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.406 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN005668.D

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Instrument :

BNA_N

ClientSampleId :

SSTD0.474

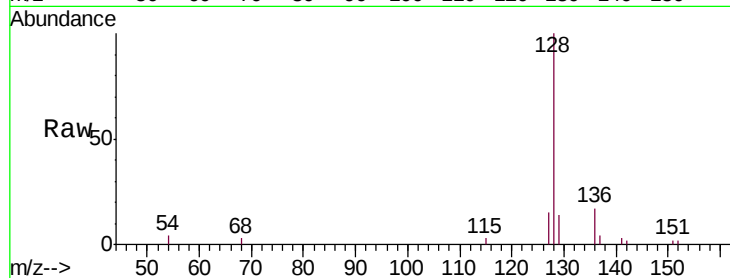
Tgt Ion:128 Resp: 5504

Ion Ratio Lower Upper

128 100

129 13.8 10.2 15.2

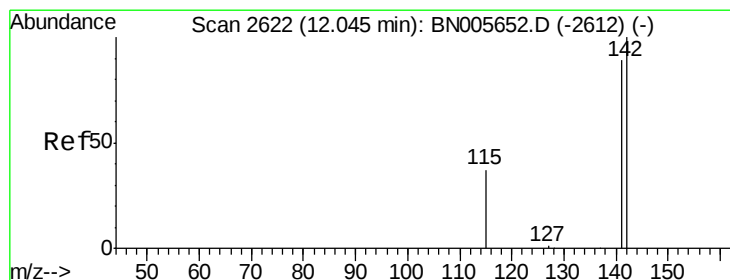
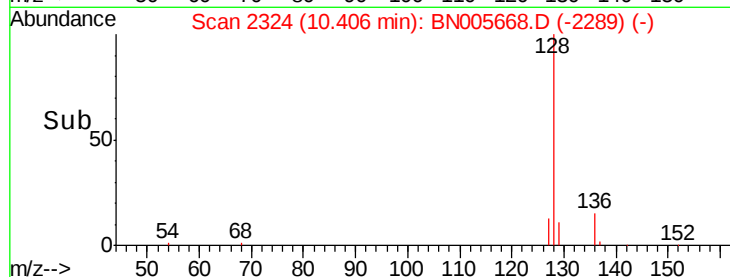
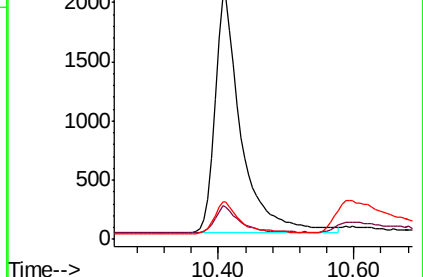
127 15.2 11.8 17.8



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: 0.436 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BN005668.D

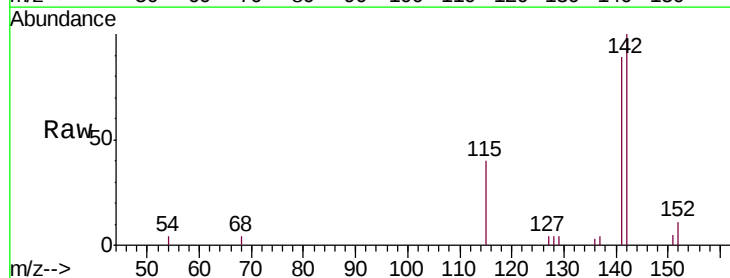
Acq: 14 May 2019 00:52

Tgt Ion:142 Resp: 4036

Ion Ratio Lower Upper

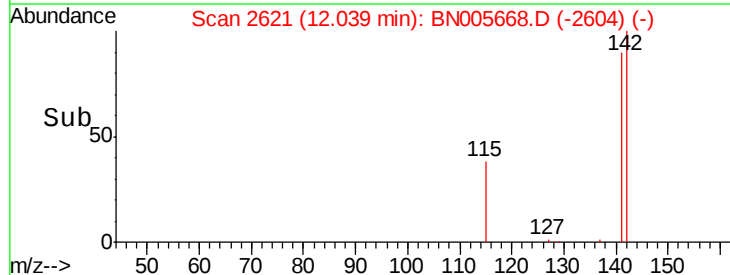
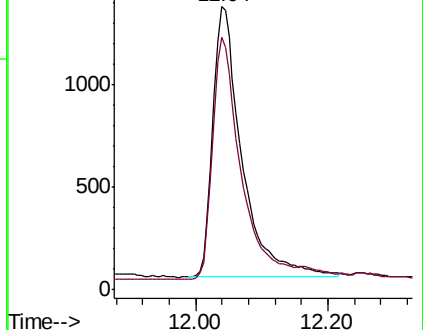
142 100

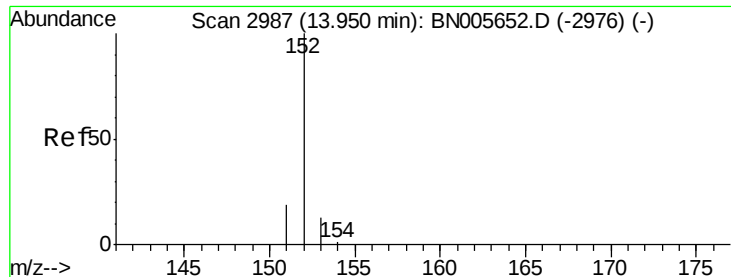
141 90.4 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.417 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

Instrument :

BNA_N

ClientSampleId :

SSTD0.474

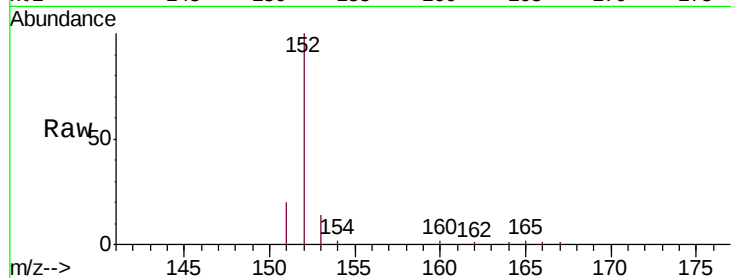
Tgt Ion:152 Resp: 6987

Ion Ratio Lower Upper

152 100

151 20.5 16.7 25.1

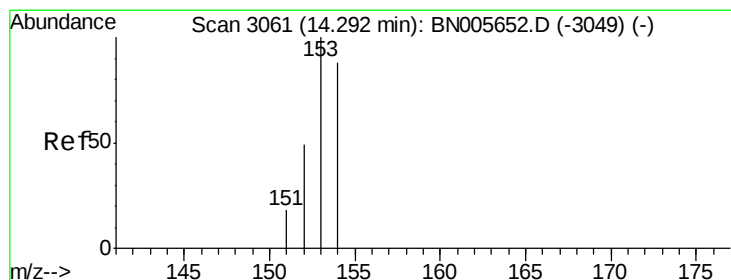
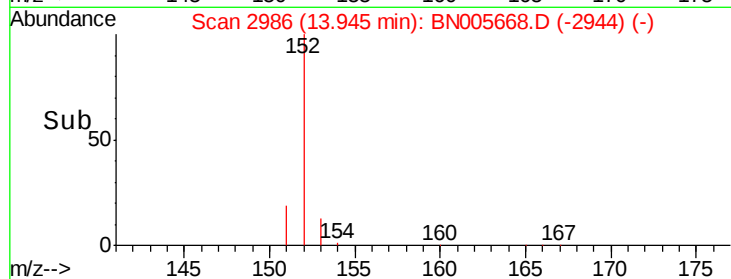
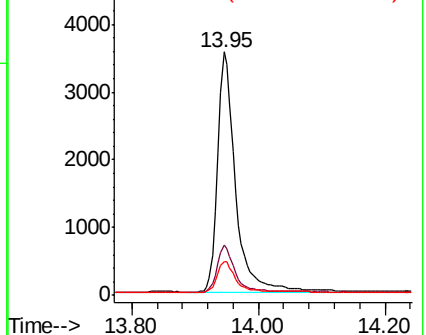
153 13.9 11.6 17.4



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: 0.413 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

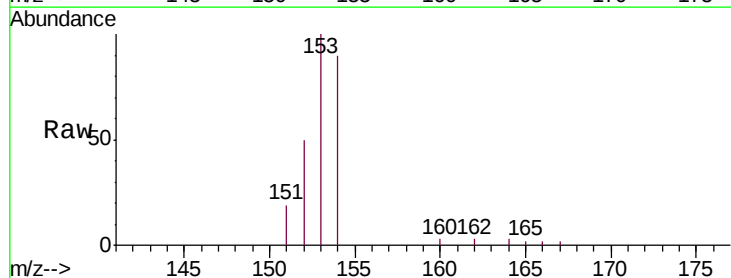
Tgt Ion:153 Resp: 4896

Ion Ratio Lower Upper

153 100

152 50.2 40.8 61.2

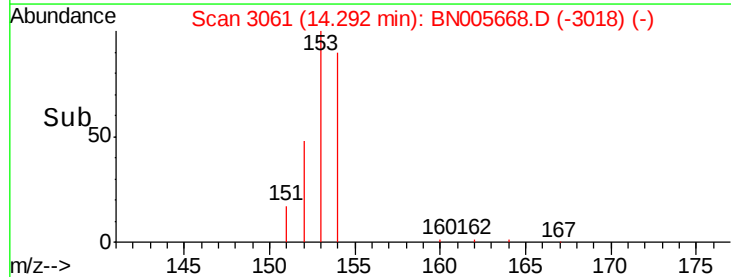
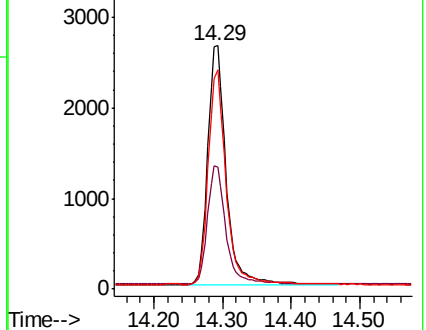
154 89.9 73.2 109.8

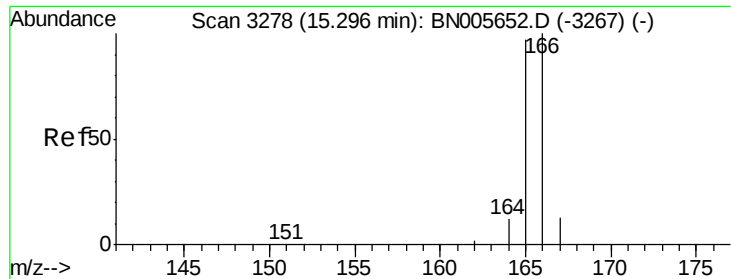


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.419 ng/ul

RT: 15.30 min Scan# 3278

Delta R.T. 0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

Instrument :

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SSTD0.474

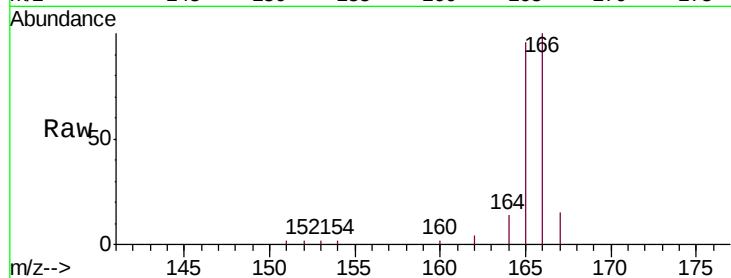
Tgt Ion:166 Resp: 5806

Ion Ratio Lower Upper

166 100

165 96.1 78.0 117.0

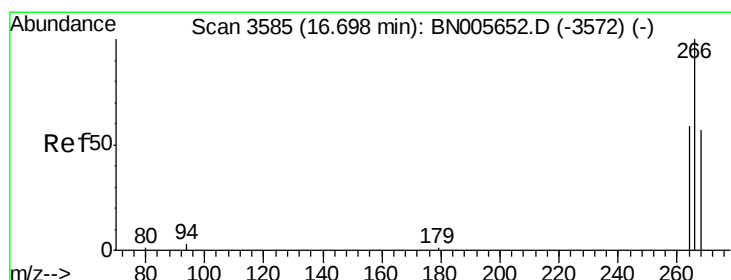
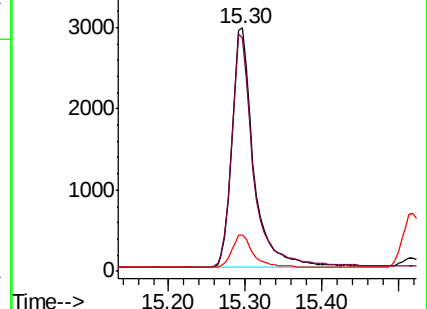
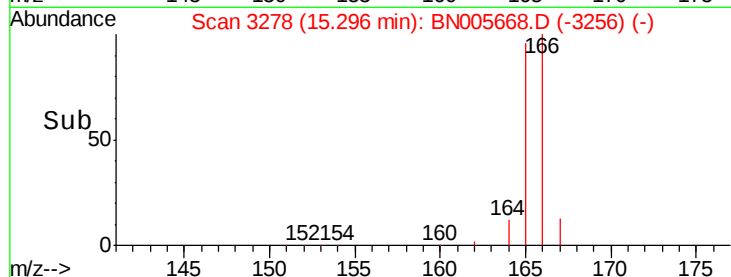
167 14.8 12.2 18.4



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: 0.256 ng/ul

RT: 16.70 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

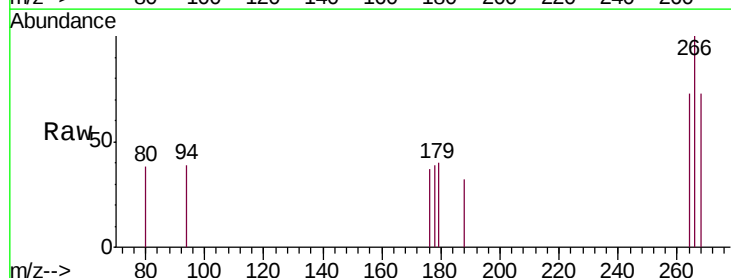
Tgt Ion:266 Resp: 561

Ion Ratio Lower Upper

266 100

264 58.3 55.3 82.9

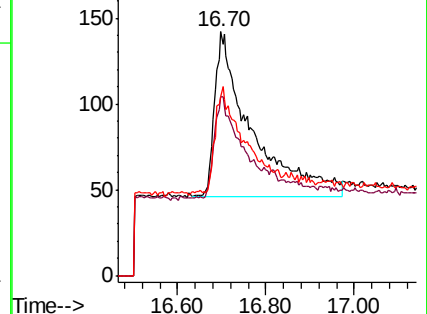
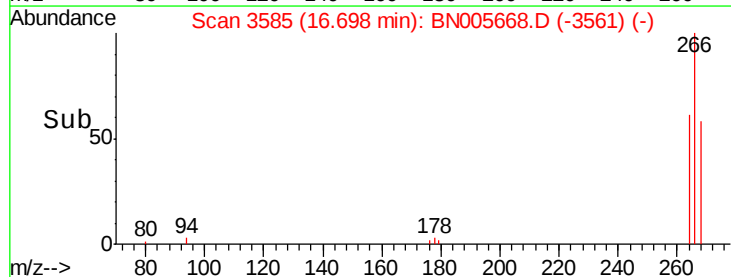
268 52.0 56.7 85.1#

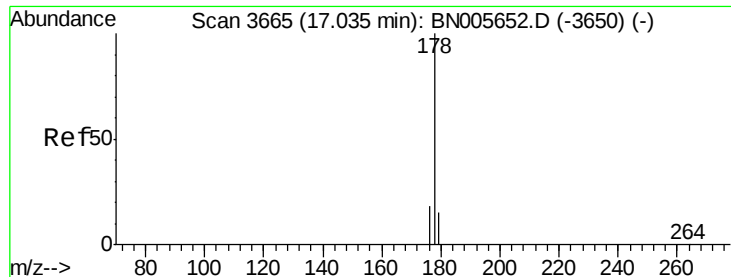


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.422 ng/ul

RT: 17.03 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

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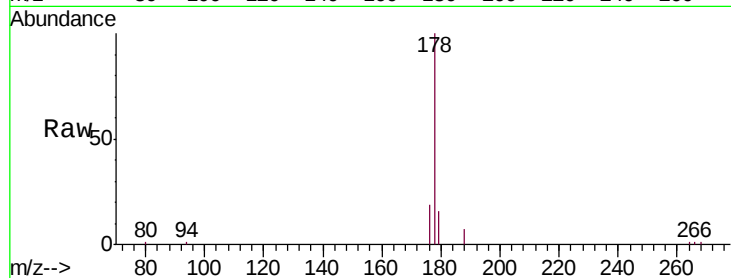
Tgt Ion:178 Resp: 9733

Ion Ratio Lower Upper

178 100

179 16.1 12.8 19.2

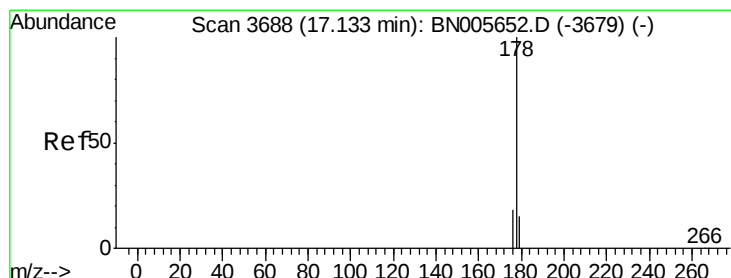
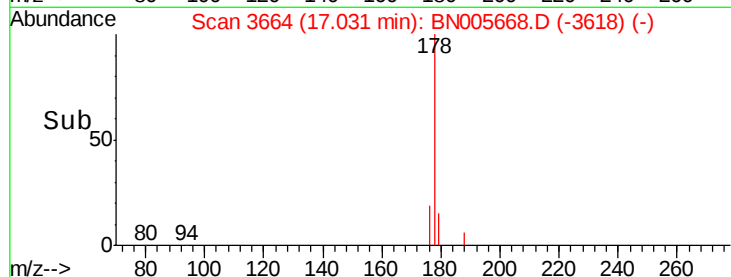
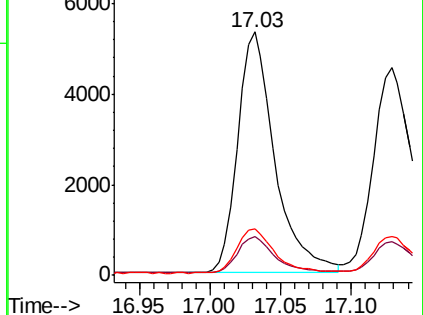
176 19.3 15.3 22.9



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: 0.413 ng/ul

RT: 17.13 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

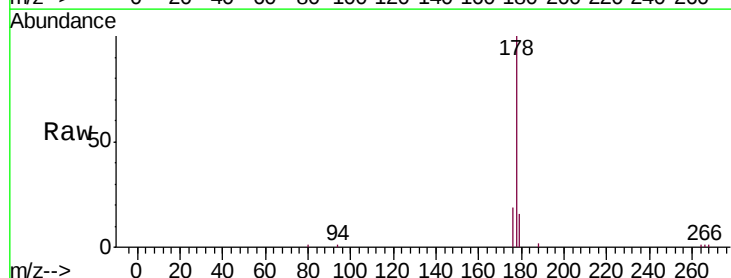
Tgt Ion:178 Resp: 9485

Ion Ratio Lower Upper

178 100

179 16.5 13.4 20.2

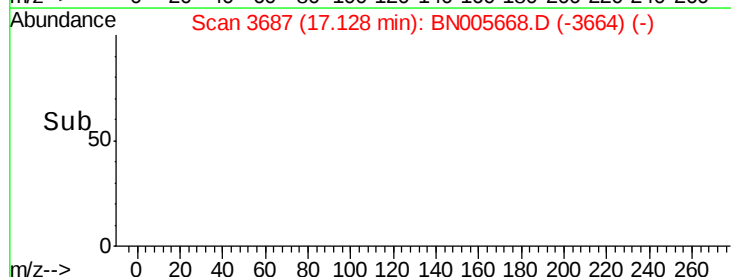
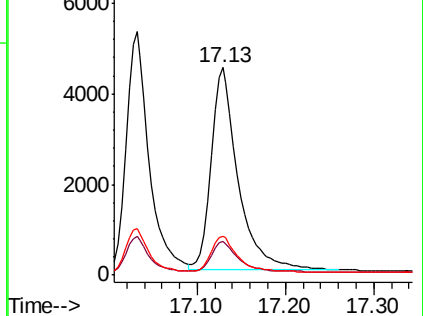
176 18.9 15.1 22.7

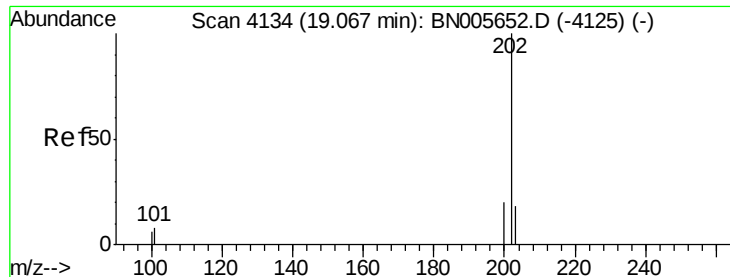


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.398 ng/ul

RT: 19.06 min Scan# 4133

Delta R.T. -0.00 min

Lab File: BN005668.D

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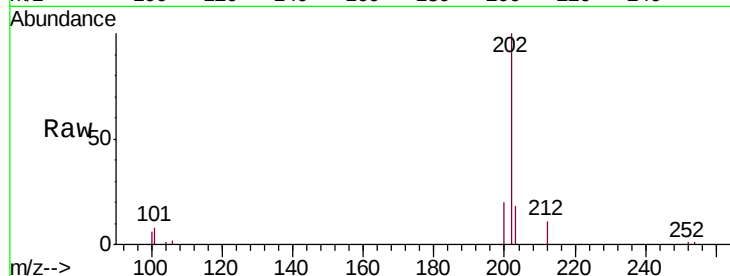
Tgt Ion:202 Resp: 12692

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.4

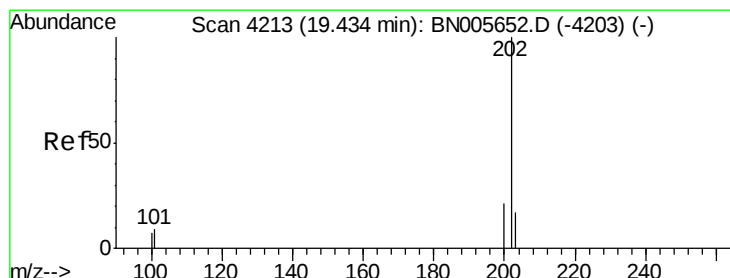
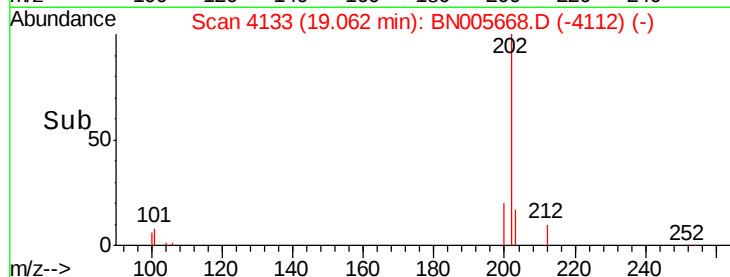
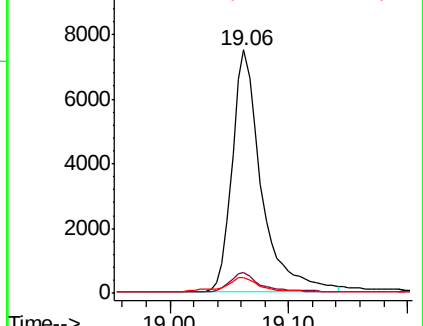
100 6.4 0.0 27.1



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: 0.434 ng/ul

RT: 19.43 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

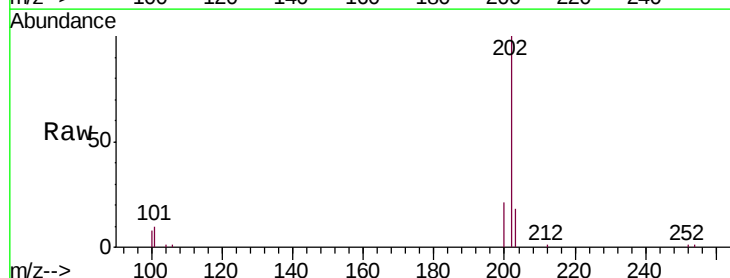
Tgt Ion:202 Resp: 13307

Ion Ratio Lower Upper

202 100

101 9.7 8.5 12.7

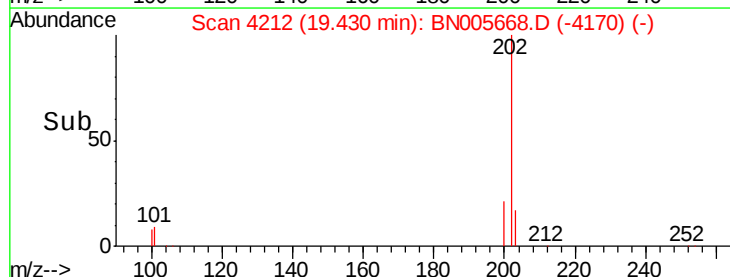
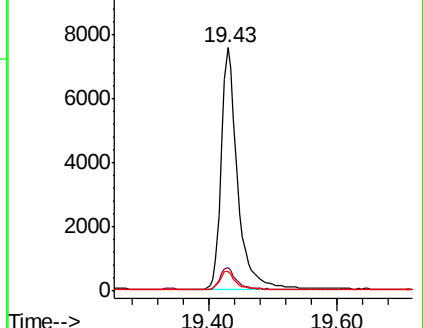
100 8.2 6.9 10.3

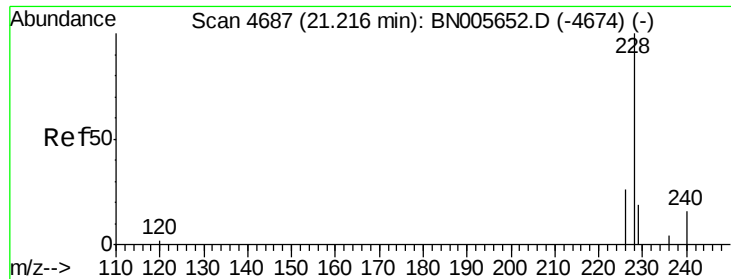


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.434 ng/ul

RT: 21.21 min Scan# 4684

Delta R.T. -0.01 min

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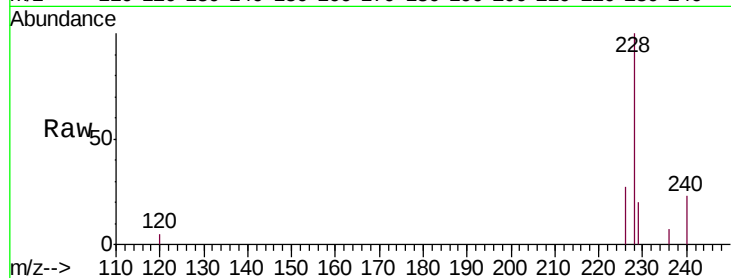
Tgt Ion:228 Resp: 12440

Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.8

226 27.4 21.7 32.5

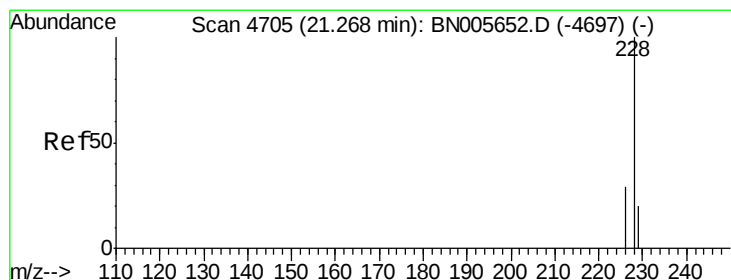
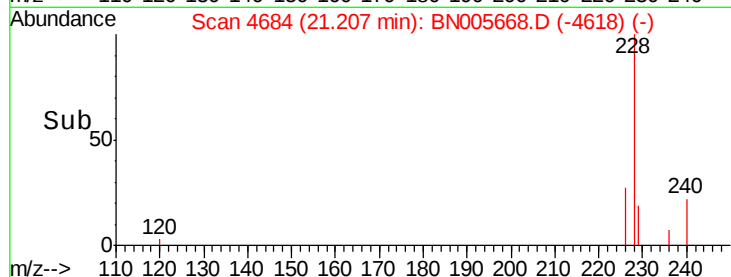
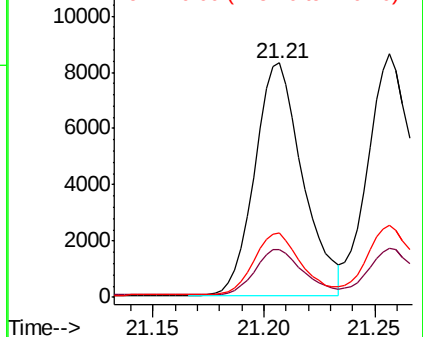


Abundance

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: 0.388 ng/ul

RT: 21.26 min Scan# 4701

Delta R.T. -0.01 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

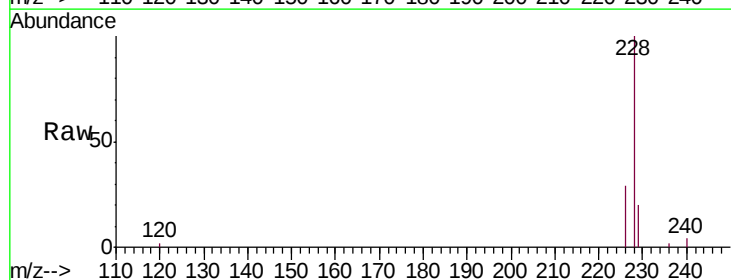
Tgt Ion:228 Resp: 13642

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

229 20.1 16.0 24.0

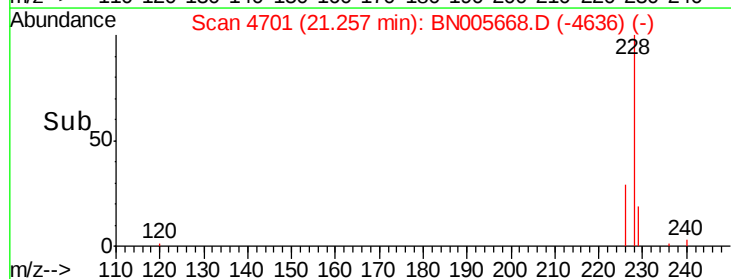
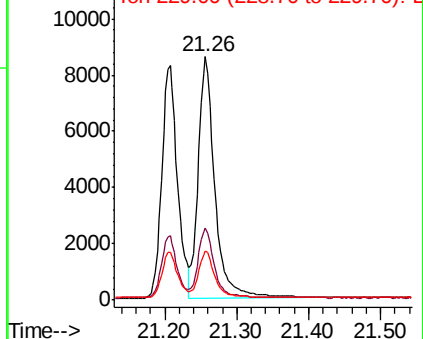


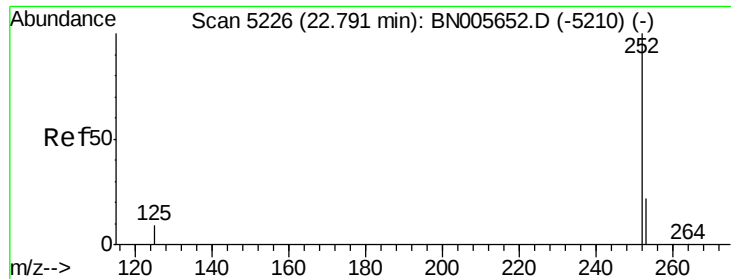
Abundance

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: 0.475 ng/ul

RT: 22.77 min Scan# 5220

Delta R.T. -0.02 min

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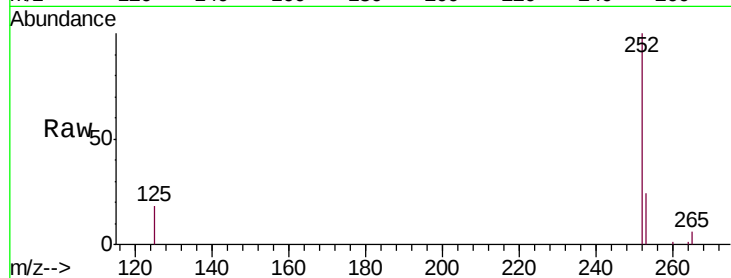
Tgt Ion:252 Resp: 11589

Ion Ratio Lower Upper

252 100

253 24.3 0.0 47.6

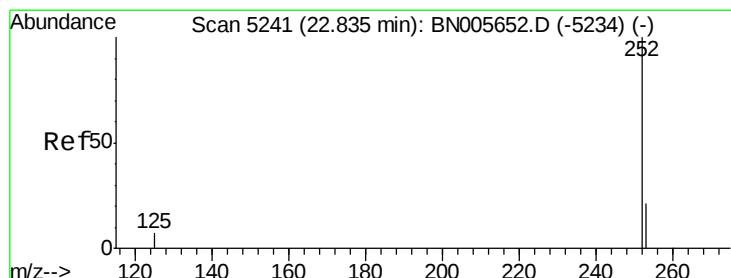
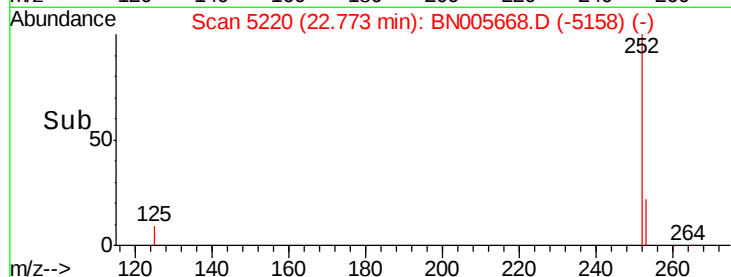
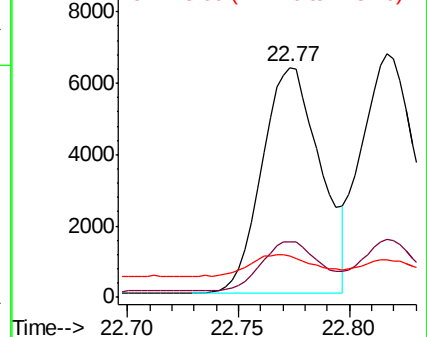
125 17.8 0.0 20.8



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: 0.412 ng/ul

RT: 22.82 min Scan# 5235

Delta R.T. -0.02 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

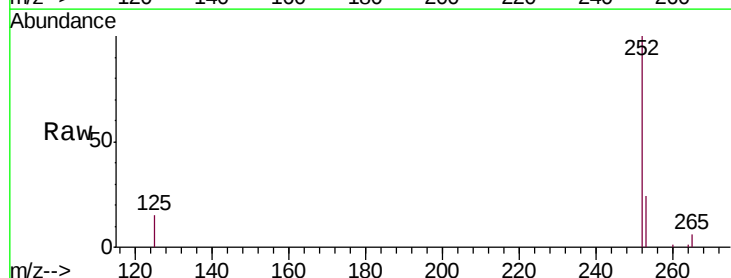
Tgt Ion:252 Resp: 12591

Ion Ratio Lower Upper

252 100

253 23.7 18.8 28.2

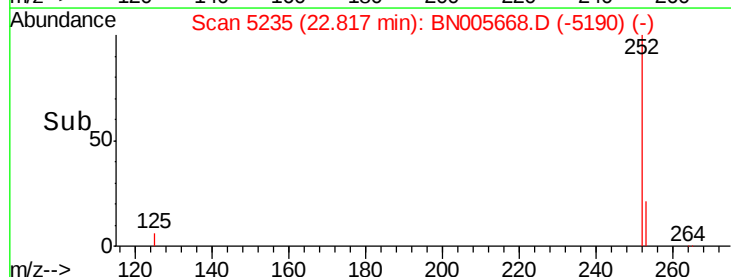
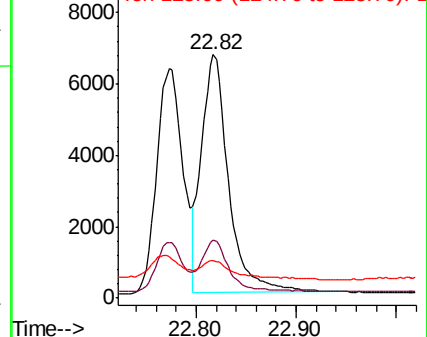
125 15.3 7.6 11.4#

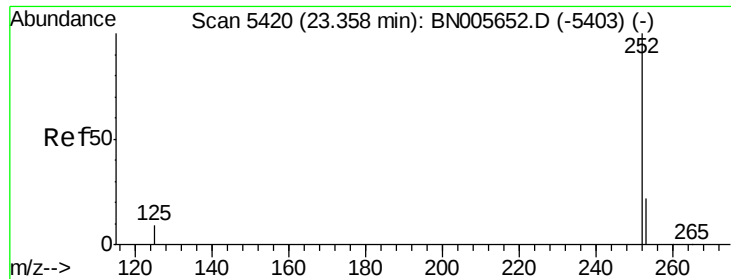


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.418 ng/ul

RT: 23.34 min Scan# 5413

Delta R.T. -0.02 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

Instrument :

BNA_N

ClientSampleId :

SSTD0.474

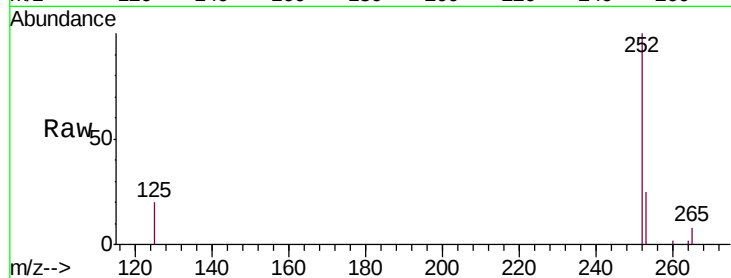
Tgt Ion:252 Resp: 11407

Ion Ratio Lower Upper

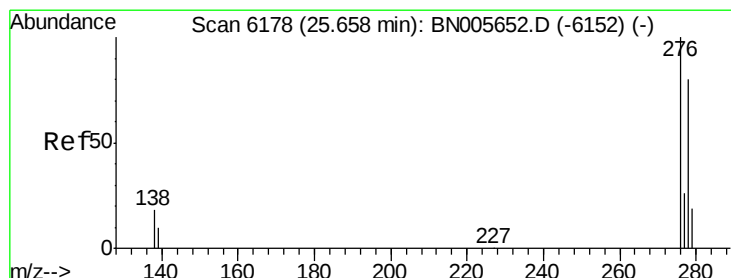
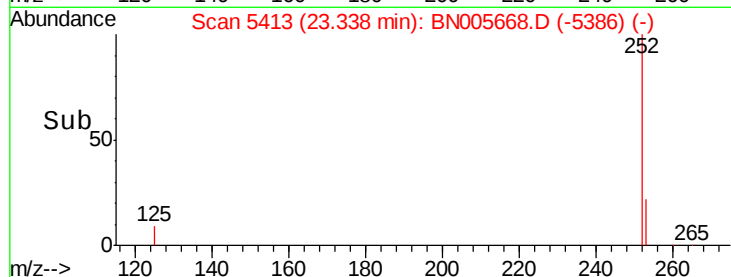
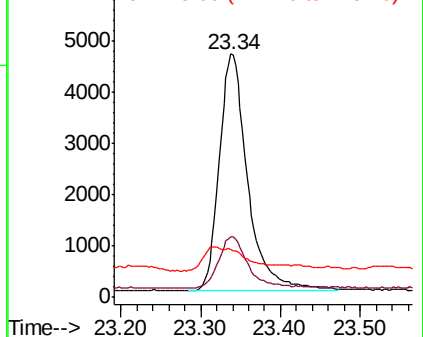
252 100

253 24.9 19.6 29.4

125 19.6 10.1 15.1#



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: 0.375 ng/ul

RT: 25.63 min Scan# 6170

Delta R.T. -0.03 min

Lab File: BN005668.D

Acq: 14 May 2019 00:52

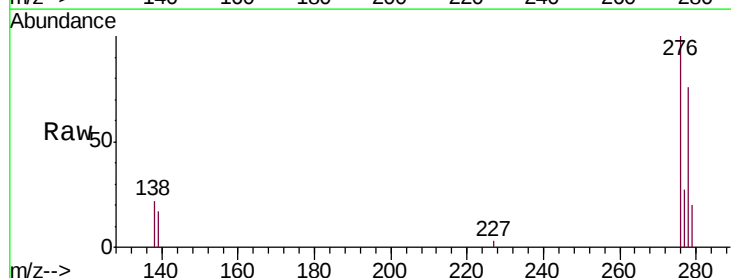
Tgt Ion:276 Resp: 11435

Ion Ratio Lower Upper

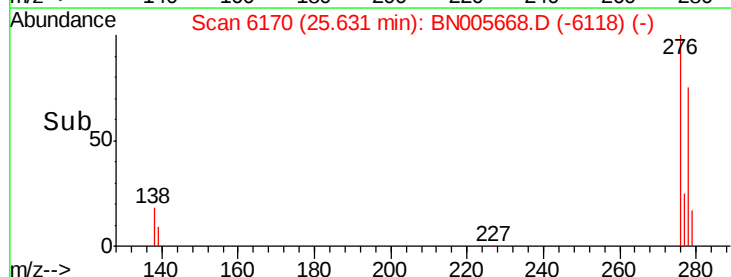
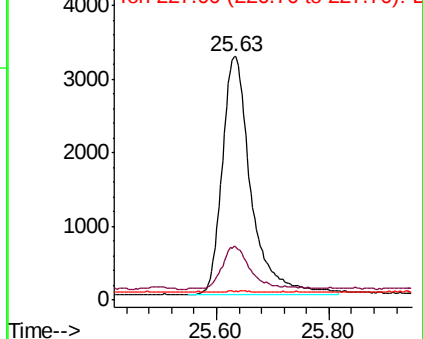
276 100

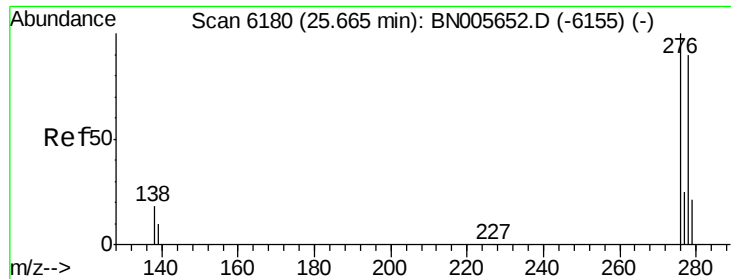
138 19.0 15.8 23.8

227 0.0 0.1 0.1#



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

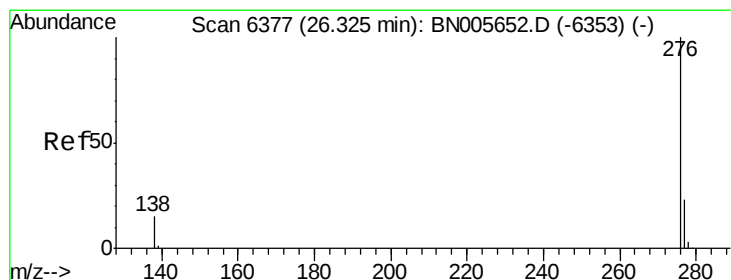
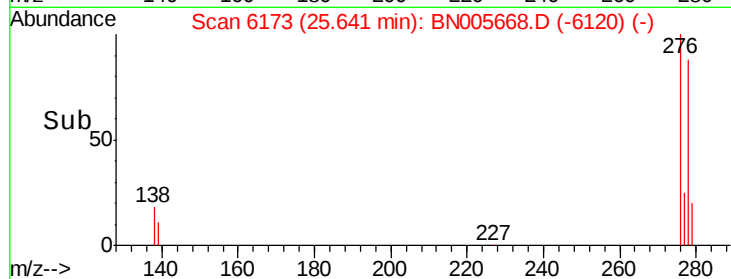
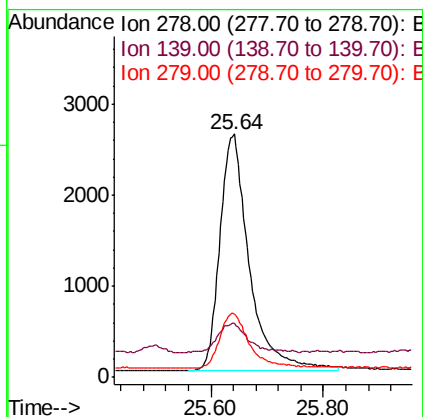
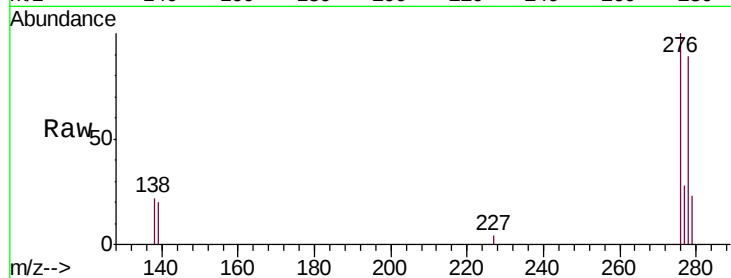




#25
Dibenzo(a,h)anthracene
Concen: 0.372 ng/ul
RT: 25.64 min Scan# 6173
Delta R.T. -0.02 min
Lab File: BN005668.D
Acq: 14 May 2019 00:52

Instrument :
BNA_N
ClientSampleId :
SSTD0.474

Tgt Ion: 278 Resp: 9372
Ion Ratio Lower Upper
278 100
139 22.1 12.4 18.6#
279 26.2 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.358 ng/ul
RT: 26.30 min Scan# 6370
Delta R.T. -0.02 min
Lab File: BN005668.D
Acq: 14 May 2019 00:52

Tgt Ion: 276 Resp: 9327
Ion Ratio Lower Upper
276 100
138 20.3 15.6 23.4
277 26.6 20.6 31.0

