

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006554.D
 Acq On : 25 Jun 2019 04:42
 Operator : HP/JU
 Sample : K3388-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

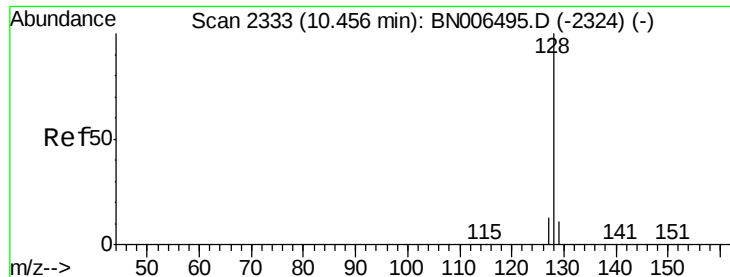
Instrument :
 BNA_N
 ClientSampleId :
 A4214

Quant Time: Jun 25 07:11:45 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 : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5480	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	18872	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	8695	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	694032	0.40	ng/ul	0.09
16) Chrysene-d12	21.36	240	183	0.40	ng/ul	0.10
20) Perylene-d12	23.60	264	1428	0.40	ng/ul	0.10
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	4802	0.17	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	11843	0.227	ng/ul	98
5) 2-Methylnaphthalene	12.08	142	5653	0.156	ng/ul	98
7) Acenaphthylene	14.00	152	54027	1.118	ng/ul	99
8) Acenaphthene	14.34	153	1224	0.037	ng/ul#	93
9) Fluorene	15.34	166	2875	0.073	ng/ul#	90
17) Pyrene	19.47	202	78919	81.871	ng/ul	99
18) Benzo(a)anthracene	21.29	228	48989	60.526	ng/ul#	83
19) Chrysene	21.43	228	25559	33.638	ng/ul#	76
21) Benzo(b)fluoranthene	22.99	252	50659	8.508	ng/ul	87
22) Benzo(k)fluoranthene	22.99	252	50247	8.664	ng/ul#	84
23) Benzo(a)pyrene	23.53	252	63403	11.433	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.97	276	8564	1.427	ng/ul#	34
25) Dibenzo(a,h)anthracene	25.82	278	15547	3.240	ng/ul#	62
26) Benzo(g,h,i)perylene	26.40	276	235785	46.899	ng/ul	95

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

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#3

Naphthalene

Concen: 0.227 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

Instrument :

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A4214

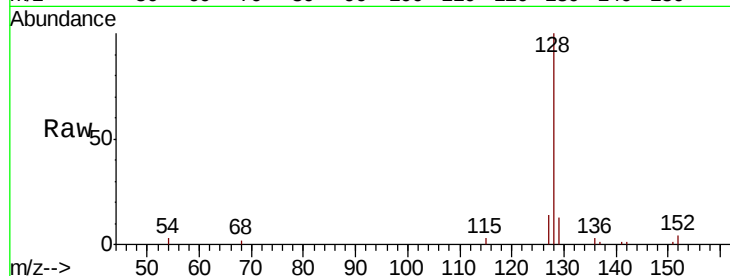
Tgt Ion:128 Resp: 11843

Ion Ratio Lower Upper

128 100

129 12.7 9.3 13.9

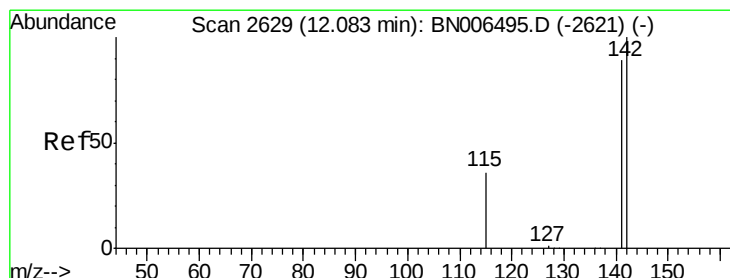
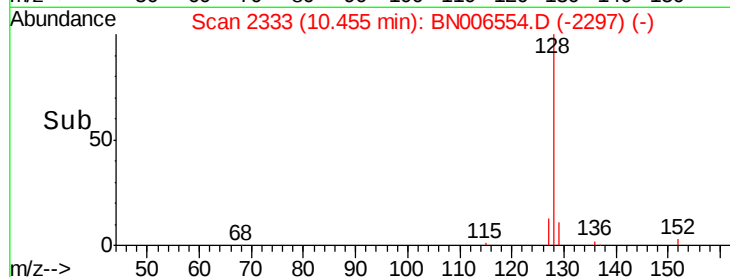
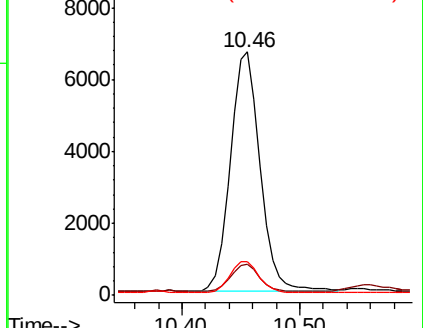
127 14.0 10.7 16.1



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: 0.156 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. -0.01 min

Lab File: BN006554.D

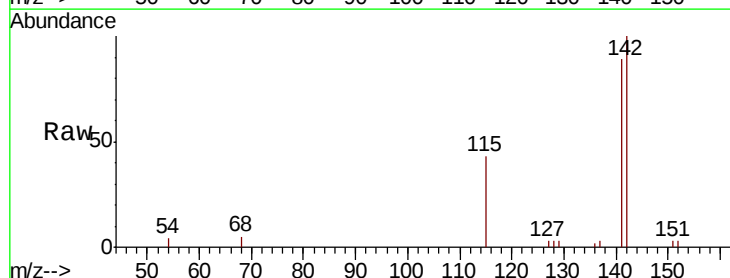
Acq: 25 Jun 2019 04:42

Tgt Ion:142 Resp: 5653

Ion Ratio Lower Upper

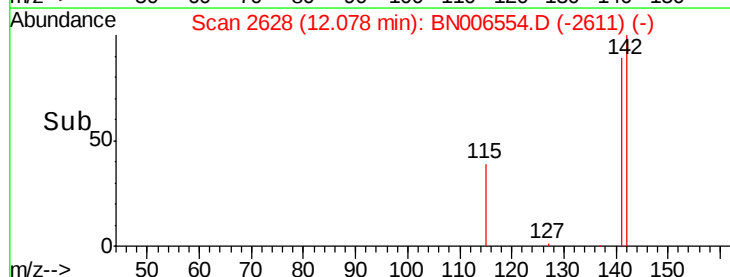
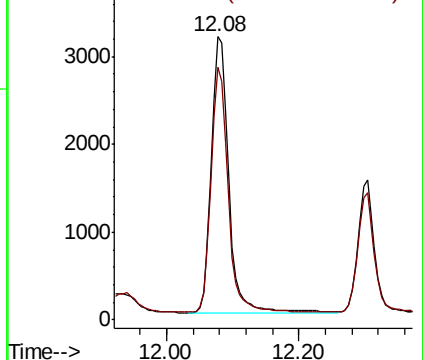
142 100

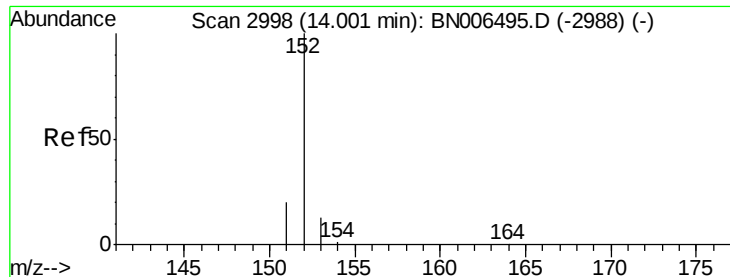
141 86.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.118 ng/ul

RT: 14.00 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

Instrument :

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ClientSampleId :

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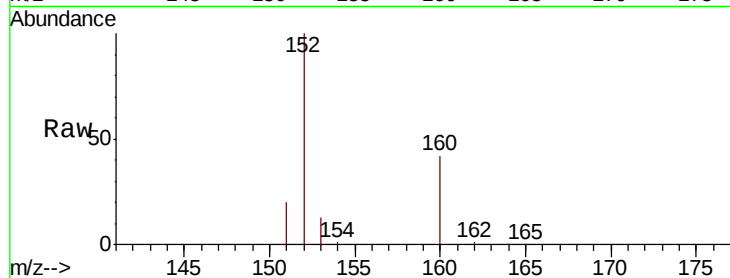
Tgt Ion:152 Resp: 54027

Ion Ratio Lower Upper

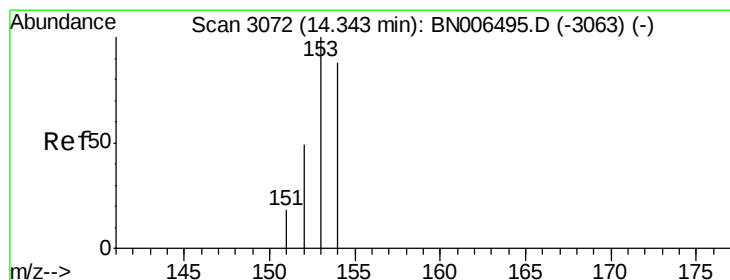
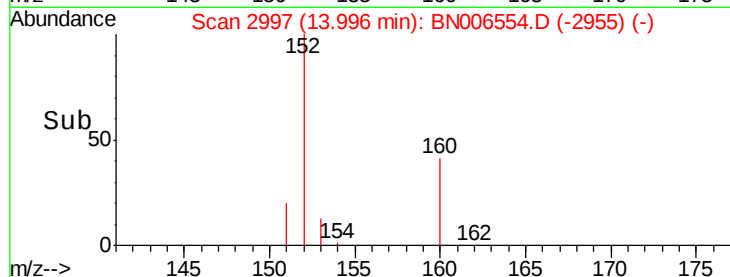
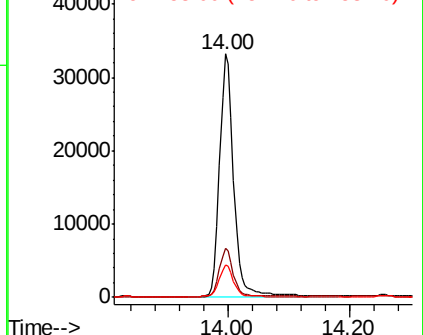
152 100

151 20.4 15.8 23.8

153 13.3 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: 0.037 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

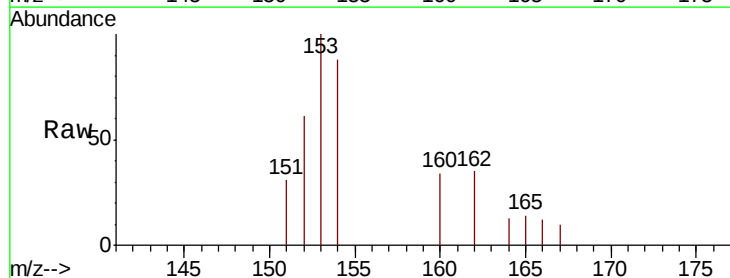
Tgt Ion:153 Resp: 1224

Ion Ratio Lower Upper

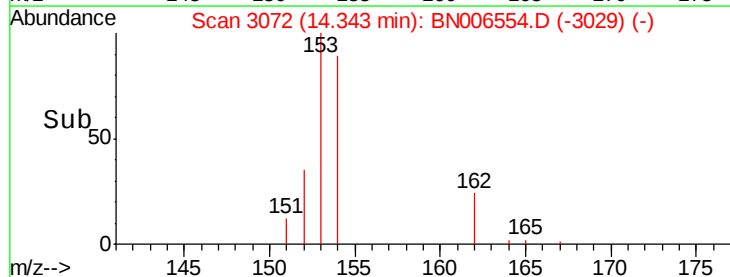
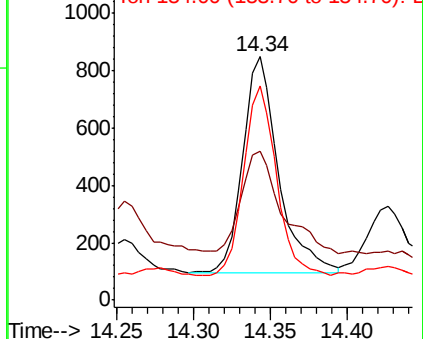
153 100

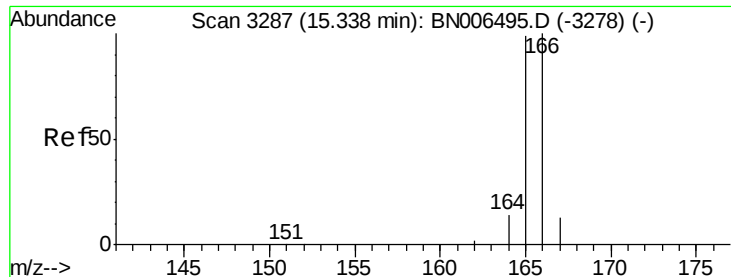
152 61.3 39.1 58.7#

154 88.1 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: 0.073 ng/ul

RT: 15.34 min Scan# 3287

Delta R.T. 0.00 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

Instrument :

BNA_N

ClientSampleId :

A4214

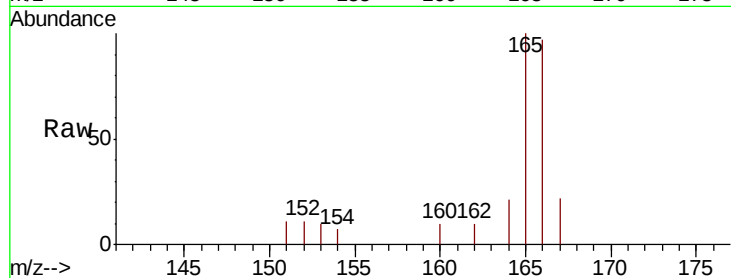
Tgt Ion:166 Resp: 2875

Ion Ratio Lower Upper

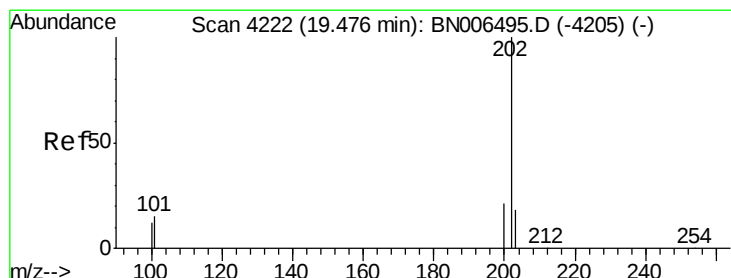
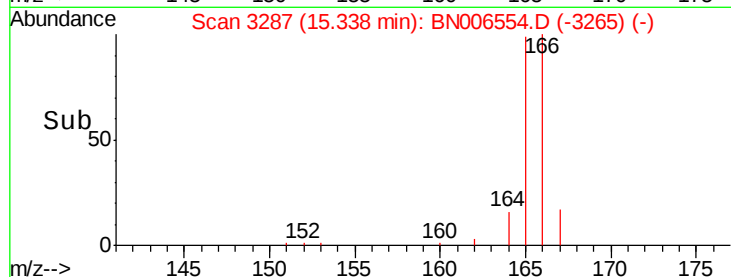
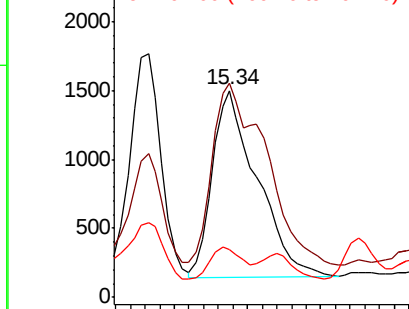
166 100

165 103.5 76.4 114.6

167 23.3 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



#17

Pyrene

Concen: 81.871 ng/ul

RT: 19.47 min Scan# 4221

Delta R.T. -0.01 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

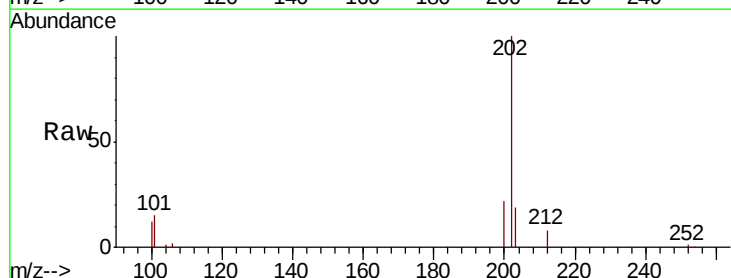
Tgt Ion:202 Resp: 78919

Ion Ratio Lower Upper

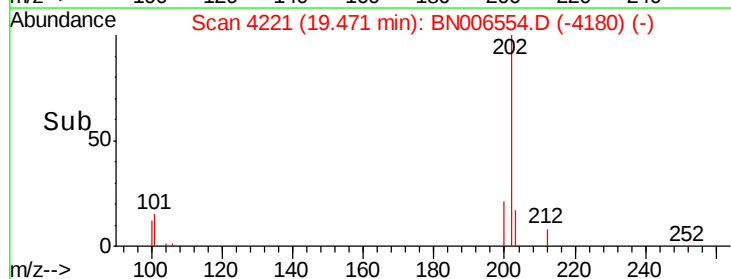
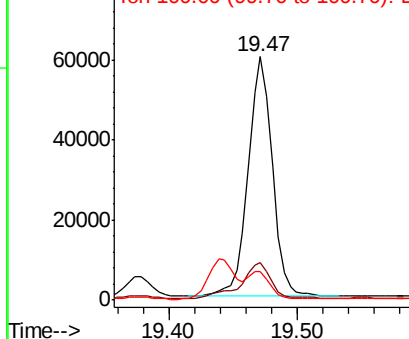
202 100

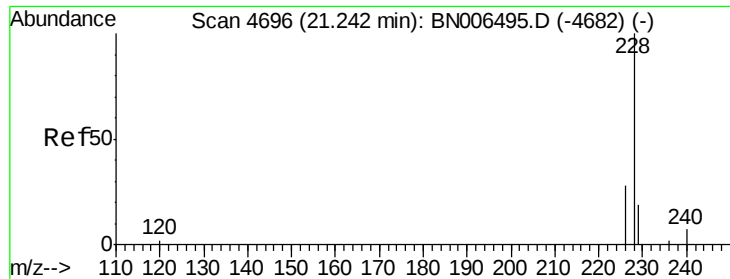
101 15.4 12.2 18.2

100 11.8 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: 60.526 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. 0.04 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

Instrument :

BNA_N

ClientSampleId :

A4214

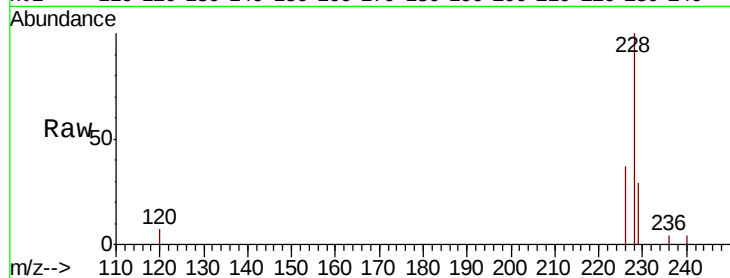
Tgt Ion:228 Resp: 48989

Ion Ratio Lower Upper

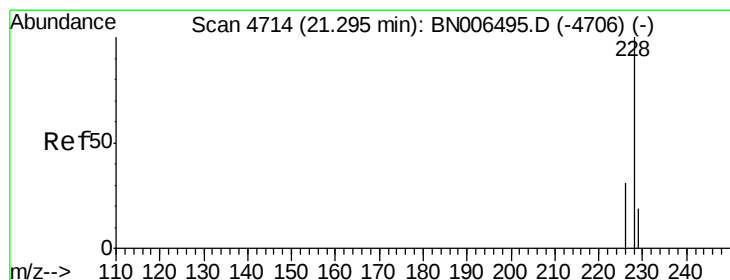
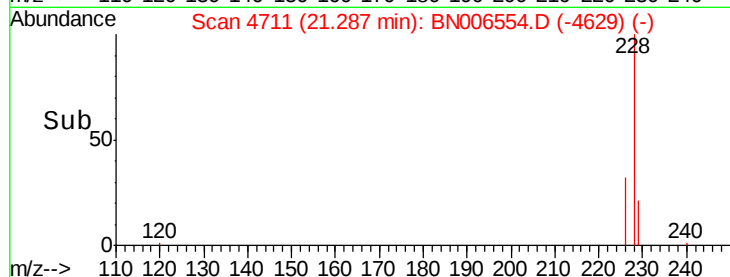
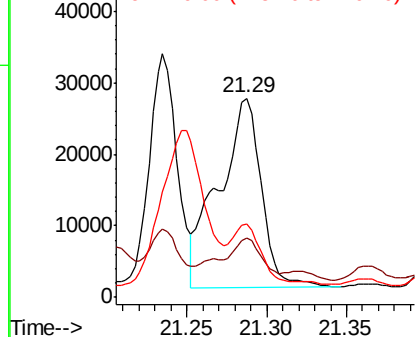
228 100

229 29.5 16.5 24.7#

226 36.8 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: 33.638 ng/ul

RT: 21.43 min Scan# 4759

Delta R.T. 0.13 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

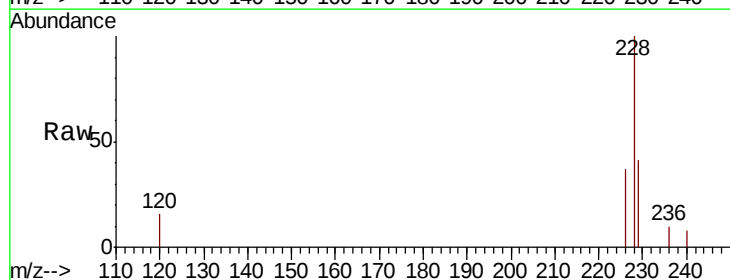
Tgt Ion:228 Resp: 25559

Ion Ratio Lower Upper

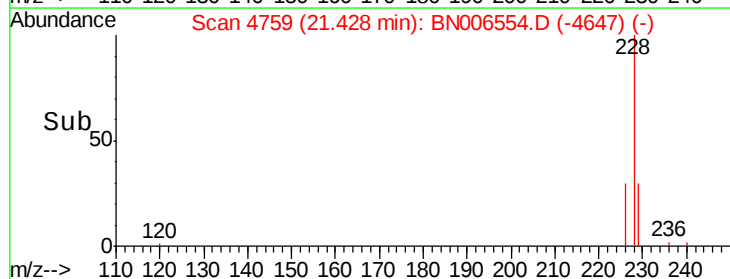
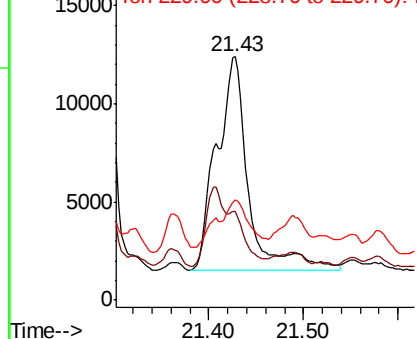
228 100

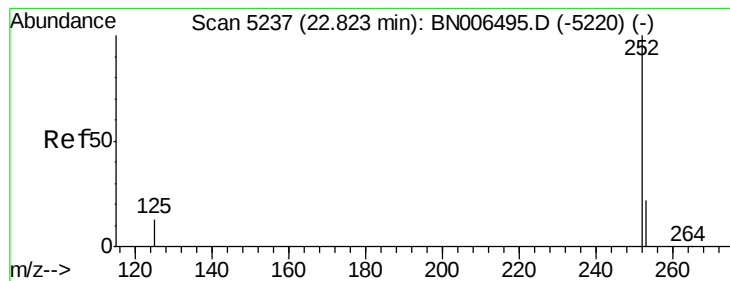
226 36.7 25.0 37.6

229 41.3 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: 8.508 ng/ul

RT: 22.99 min Scan# 5292

Delta R.T. 0.15 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

Instrument :

BNA_N

ClientSampleId :

A4214

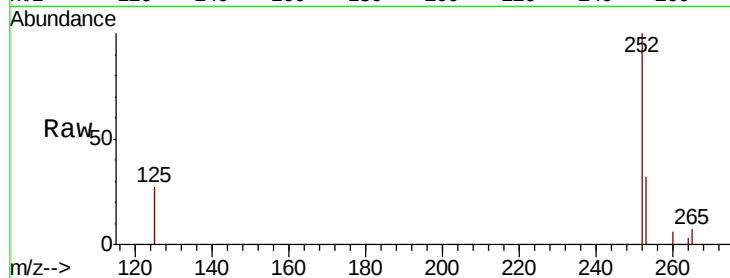
Tgt Ion:252 Resp: 50659

Ion Ratio Lower Upper

252 100

253 31.9 0.0 51.4

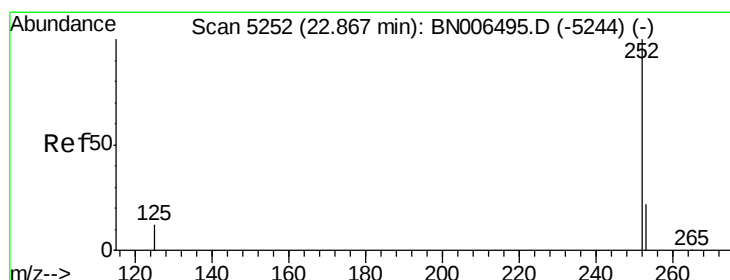
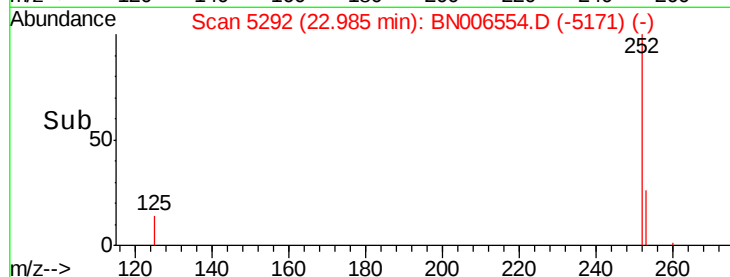
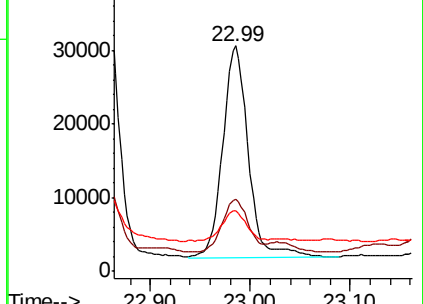
125 26.7 0.0 41.0



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: 8.664 ng/ul

RT: 22.99 min Scan# 5292

Delta R.T. 0.11 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

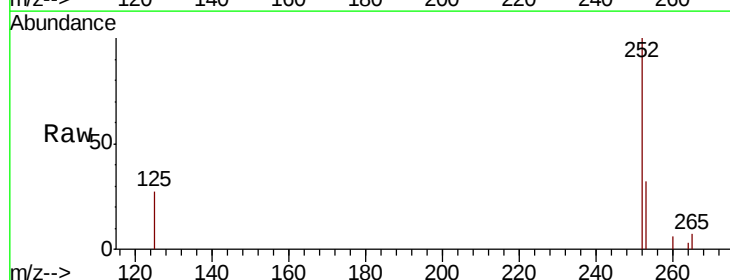
Tgt Ion:252 Resp: 50247

Ion Ratio Lower Upper

252 100

253 31.9 20.3 30.5#

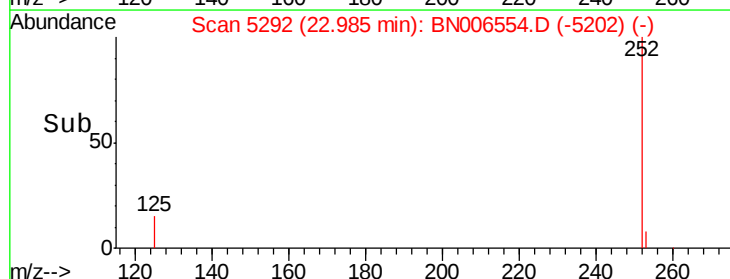
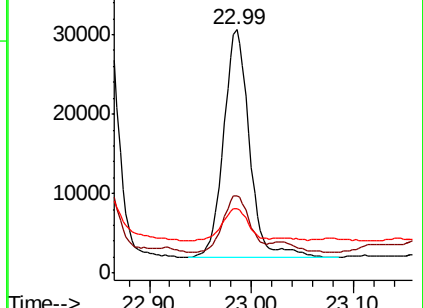
125 26.7 14.3 21.5#

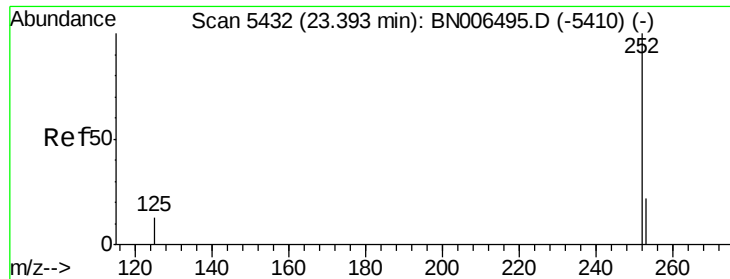


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 11.433 ng/u1

RT: 23.53 min Scan# 5477

Delta R.T. 0.12 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

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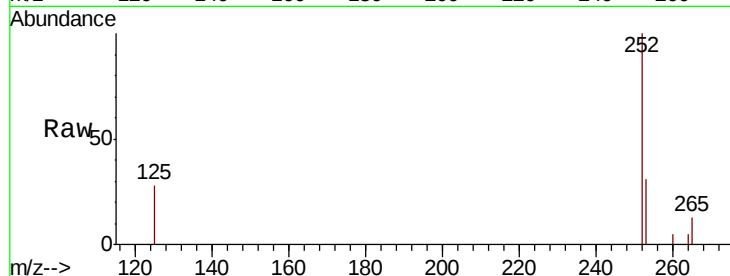
Tgt Ion:252 Resp: 63403

Ion Ratio Lower Upper

252 100

253 30.9 21.1 31.7

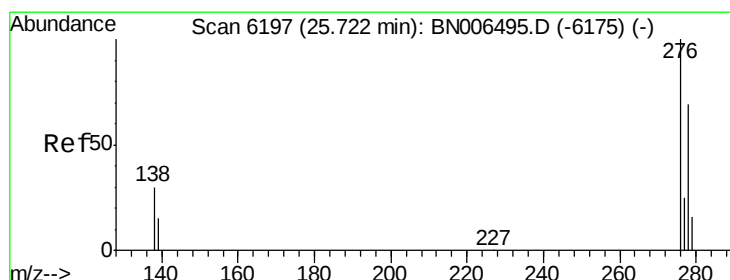
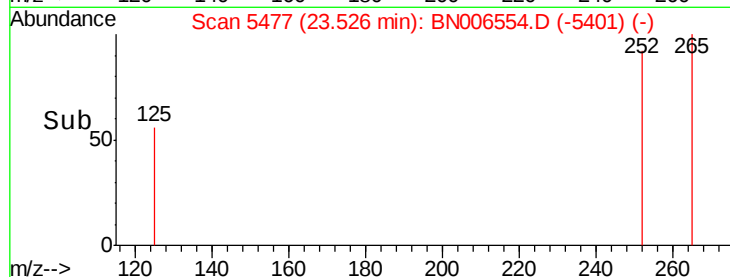
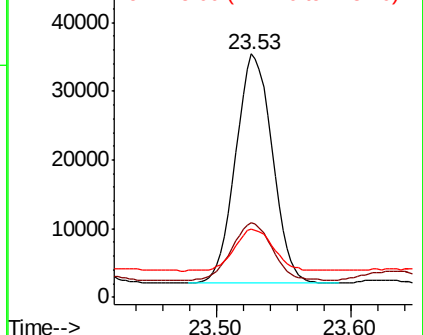
125 28.1 20.3 30.5



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: 1.427 ng/u1

RT: 25.97 min Scan# 6272

Delta R.T. 0.24 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

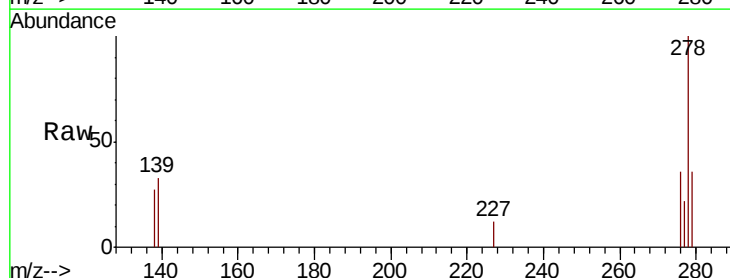
Tgt Ion:276 Resp: 8564

Ion Ratio Lower Upper

276 100

138 69.2 25.6 38.4#

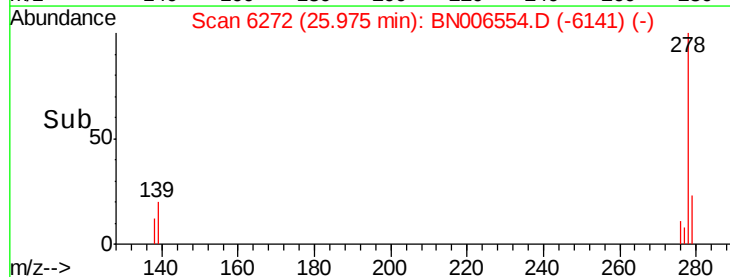
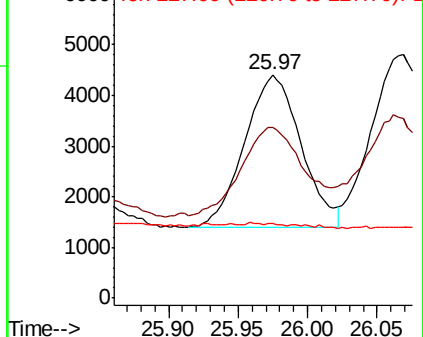
227 3.5 0.3 0.5#

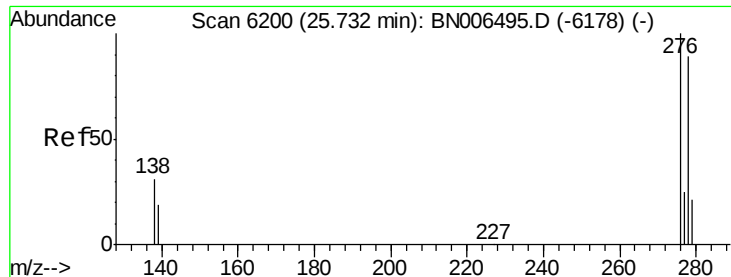


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 3.240 ng/ul

RT: 25.82 min Scan# 6227

Delta R.T. 0.08 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

Instrument :

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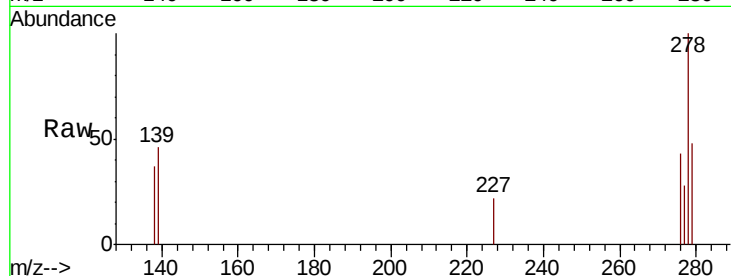
Tgt Ion:278 Resp: 15547

Ion Ratio Lower Upper

278 100

139 45.9 21.2 31.8#

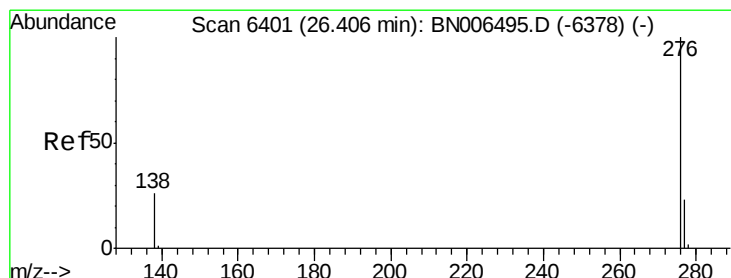
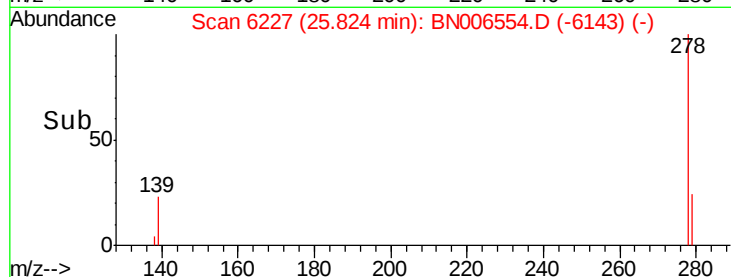
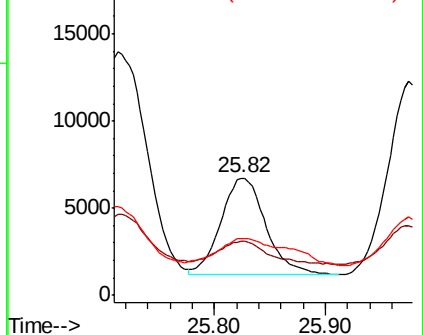
279 48.3 22.6 33.8#



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: 46.899 ng/ul

RT: 26.40 min Scan# 6400

Delta R.T. -0.02 min

Lab File: BN006554.D

Acq: 25 Jun 2019 04:42

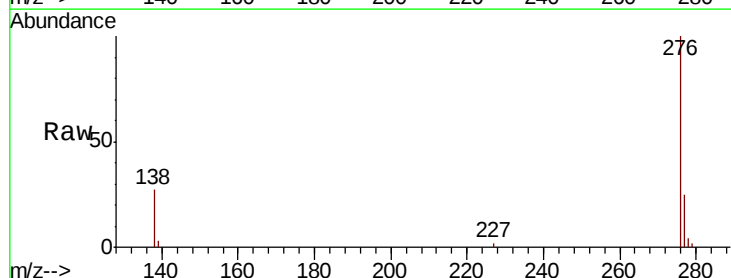
Tgt Ion:276 Resp: 235785

Ion Ratio Lower Upper

276 100

138 27.3 24.2 36.4

277 24.7 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

