

Data File : BN004087.D
Acq On : 18 Dec 2018 21:24
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9F10

Quant Time: Dec 19 04:12:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 04:08:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2062	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	9764	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	6978	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	818195	0.40	ng/ul	0.10
16) Chrysene-d12	21.51	240	1557	0.40	ng/ul	0.11
20) Perylene-d12	23.85	264	6077	0.40	ng/ul	0.12

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4138	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	8079	0.00	ng/ul	0.09

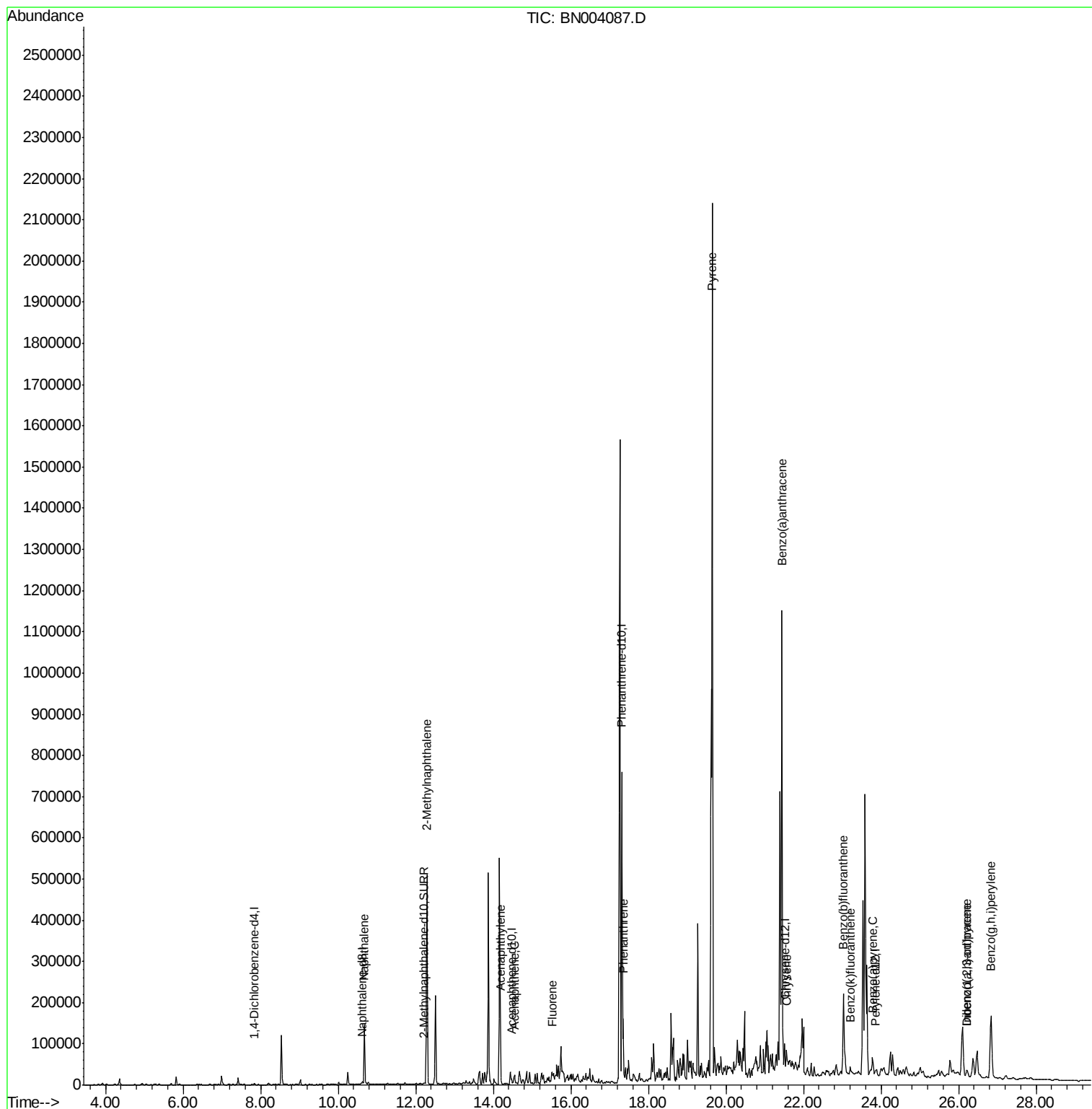
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	192986	7.037	ng/ul	100
5) 2-Methylnaphthalene	12.29	142	361135	18.857	ng/ul	100
7) Acenaphthylene	14.19	152	9522	0.303	ng/ul#	56
8) Acenaphthene	14.53	153	14680	0.533	ng/ul	92
9) Fluorene	15.52	166	18866	0.588	ng/ul#	92
12) Phenanthrene	17.35	178	144884	0.054	ng/ul	99
17) Pyrene	19.64	202	1605831	287.560	ng/ul	95
18) Benzo(a)anthracene	21.44	228	1043815	212.255	ng/ul	91
19) Chrysene	21.56	228	27295	4.850	ng/ul#	1
21) Benzo(b)fluoranthene	23.03	252	365893	14.555	ng/ul	95
22) Benzo(k)fluoranthene	23.21	252	26057	1.064	ng/ul#	43
23) Benzo(a)pyrene	23.78	252	25960	1.193	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	26.21	276	6869	0.275	ng/ul#	18
25) Dibenzo(a,h)anthracene	26.21	278	23335	1.161	ng/ul#	13
26) Benzo(g,h,i)perylene	26.84	276	321782	14.831	ng/ul	96

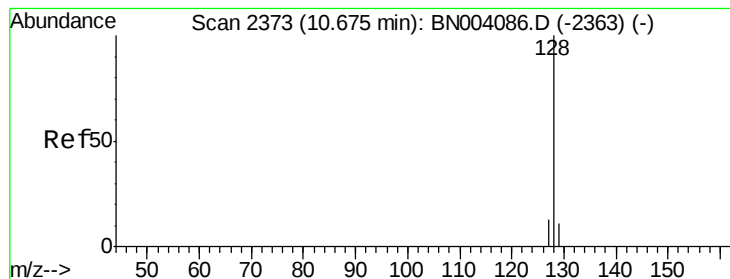
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.037 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

BNA_N

ClientSampleId :

F9F10

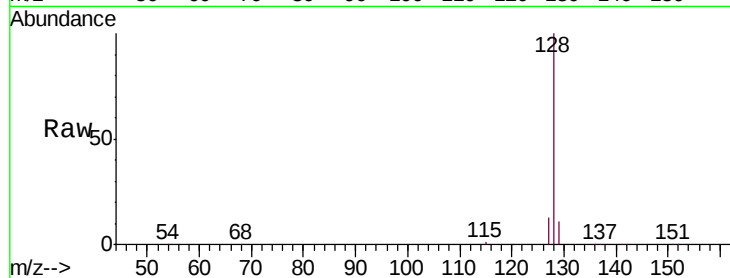
Tgt Ion:128 Resp: 192986

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

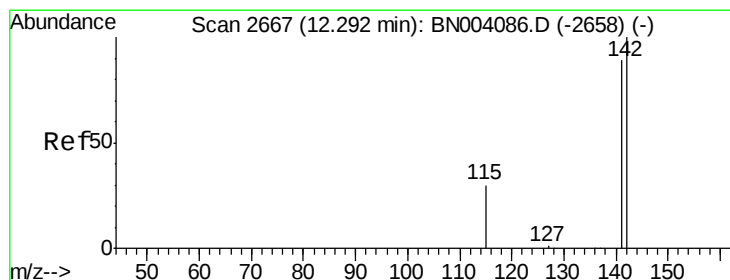
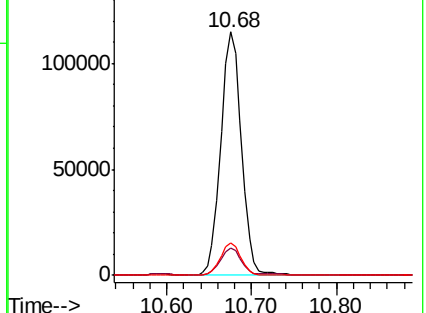
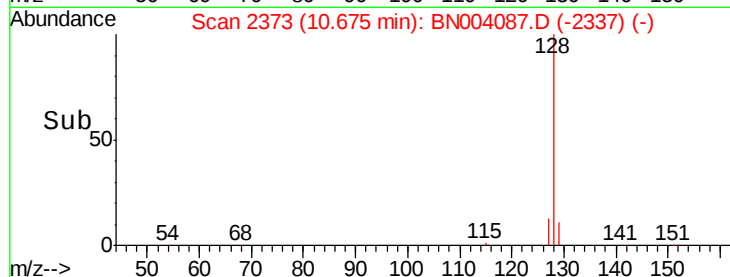
127 13.2 10.5 15.7



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: 18.857 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BN004087.D

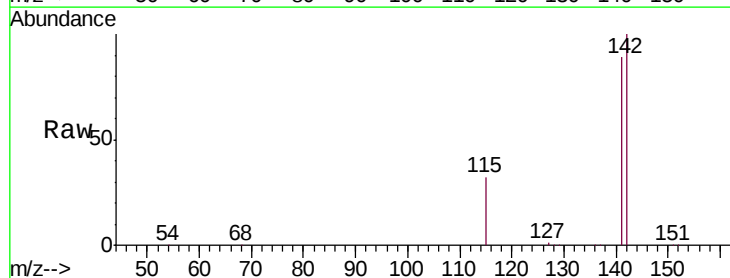
Acq: 18 Dec 2018 21:24

Tgt Ion:142 Resp: 361135

Ion Ratio Lower Upper

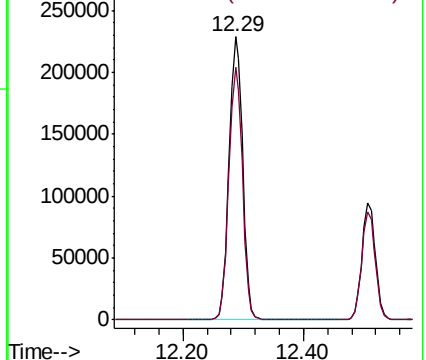
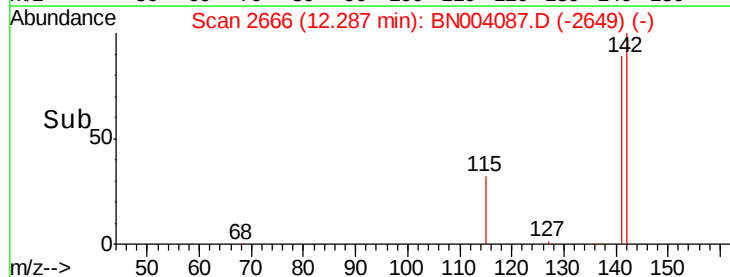
142 100

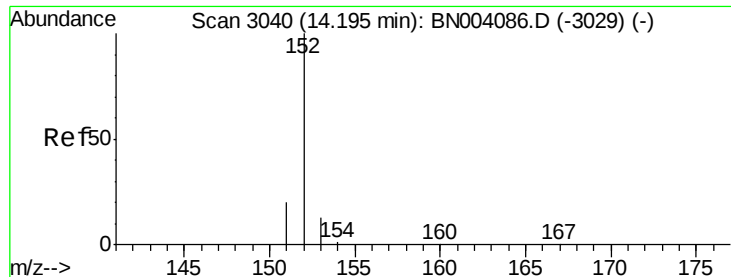
141 89.1 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.303 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

BNA_N

ClientSampleId :

F9F10

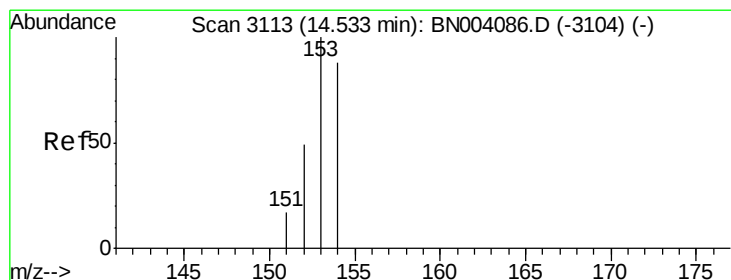
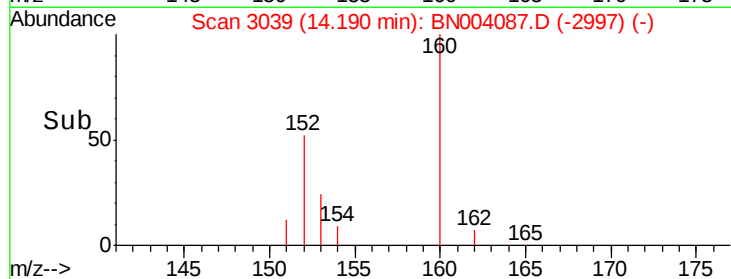
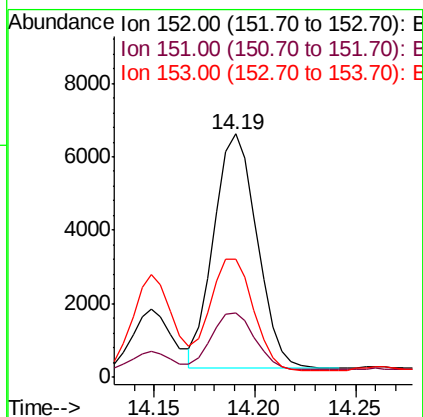
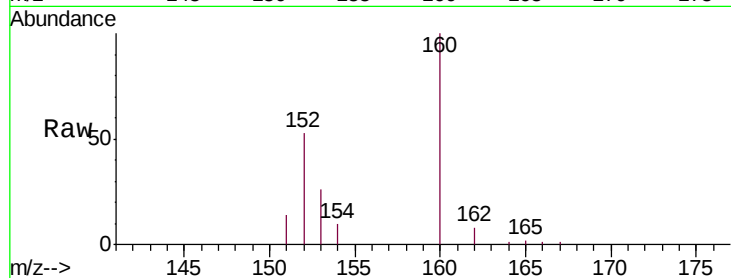
Tgt Ion:152 Resp: 9522

Ion Ratio Lower Upper

152 100

151 26.4 15.9 23.9#

153 48.8 10.7 16.1#



#8

Acenaphthene

Concen: 0.533 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

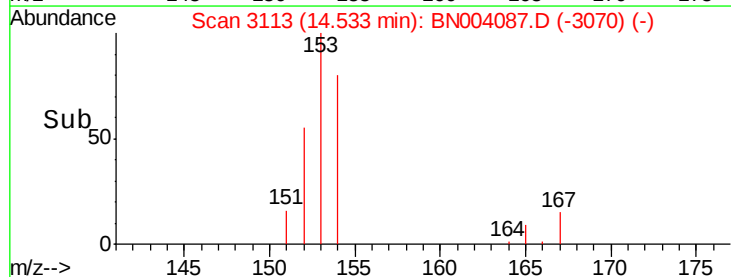
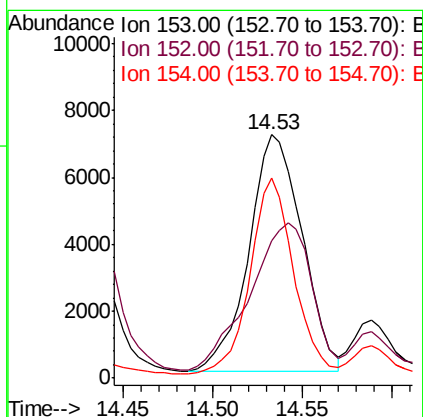
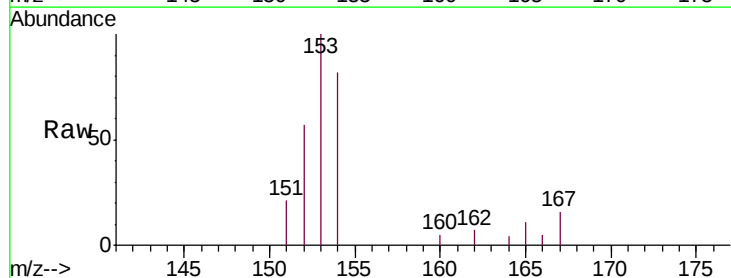
Tgt Ion:153 Resp: 14680

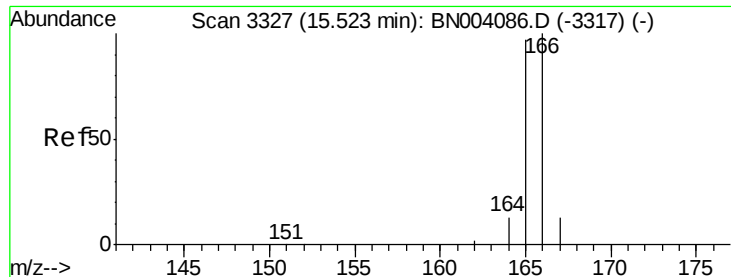
Ion Ratio Lower Upper

153 100

152 56.5 39.3 58.9

154 82.4 70.3 105.5





#9

Fluorene

Concen: 0.588 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

BNA_N

ClientSampleId :

F9F10

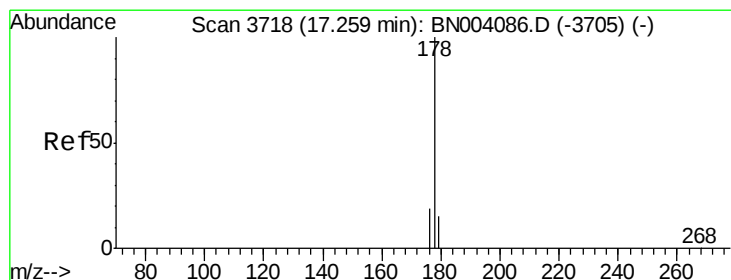
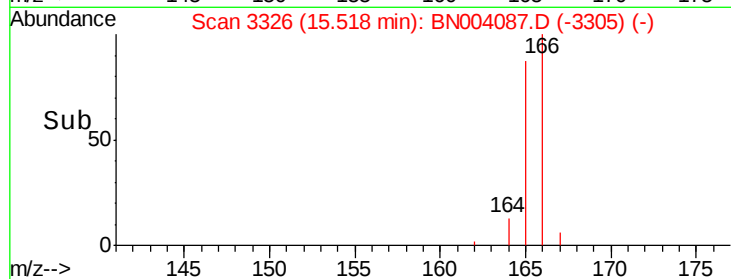
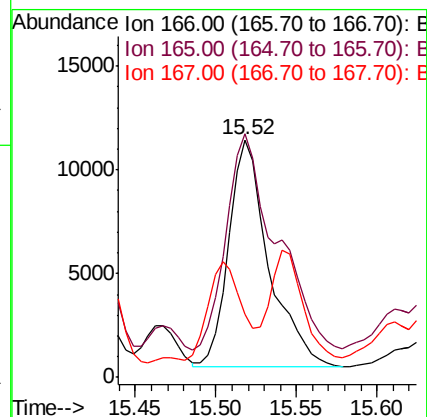
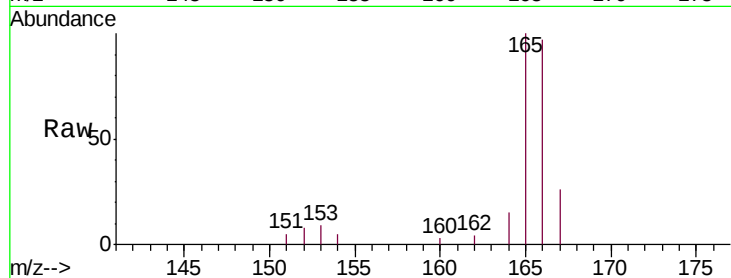
Tgt Ion:166 Resp: 18866

Ion Ratio Lower Upper

166 100

165 102.6 78.3 117.5

167 26.7 11.3 16.9#



#12

Phenanthrene

Concen: 0.054 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. 0.09 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

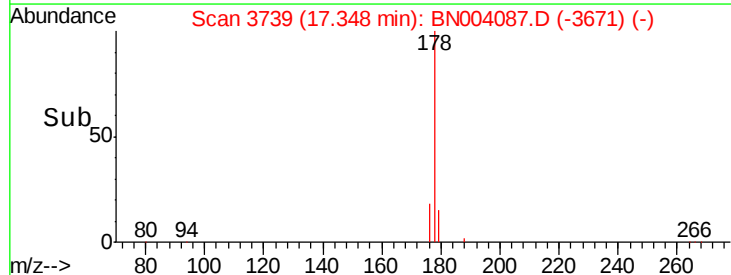
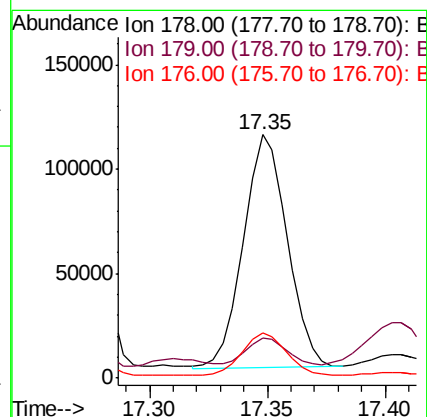
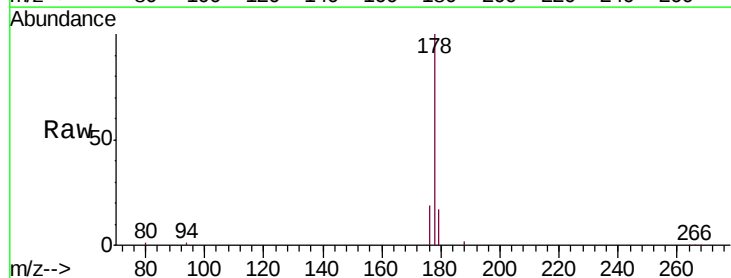
Tgt Ion:178 Resp: 144884

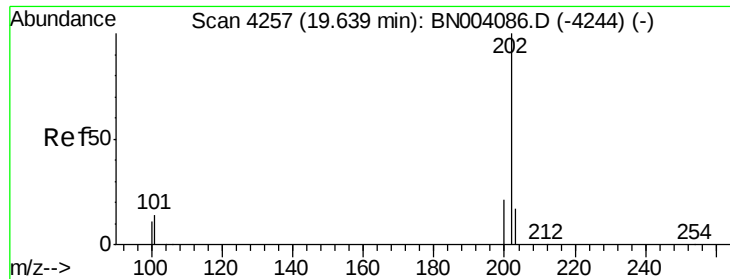
Ion Ratio Lower Upper

178 100

179 16.6 12.5 18.7

176 18.6 15.0 22.4





#17

Pyrene

Concen: 287.560 ng/ul

RT: 19.64 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

BNA_N

ClientSampleId :

F9F10

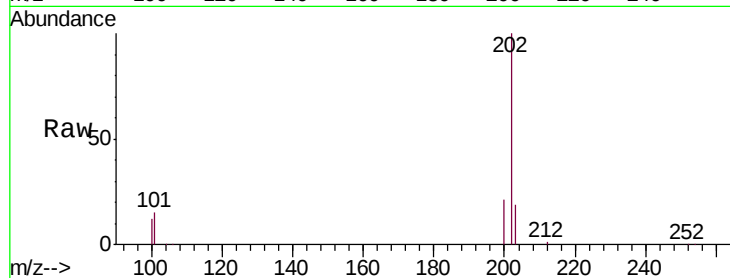
Tgt Ion:202 Resp: 1605831

Ion Ratio Lower Upper

202 100

101 15.4 10.3 15.5

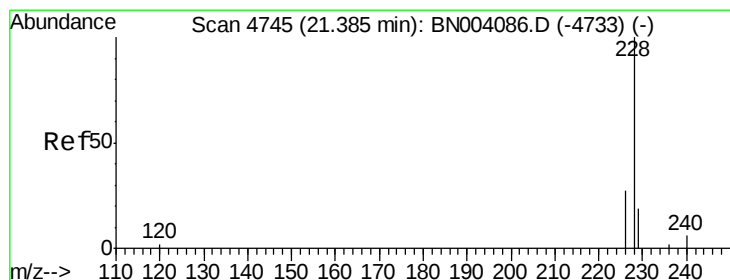
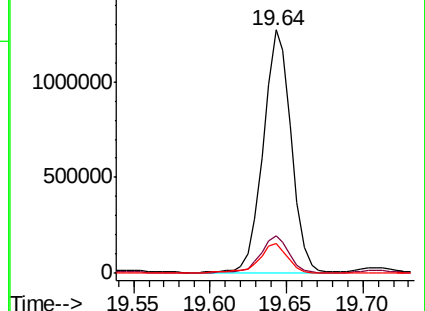
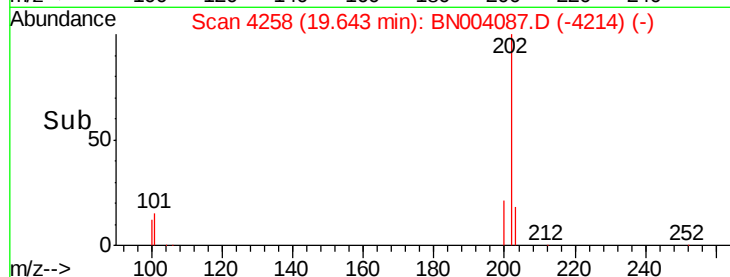
100 12.0 8.5 12.7



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



#18

Benzo(a)anthracene

Concen: 212.255 ng/ul

RT: 21.44 min Scan# 4765

Delta R.T. 0.06 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

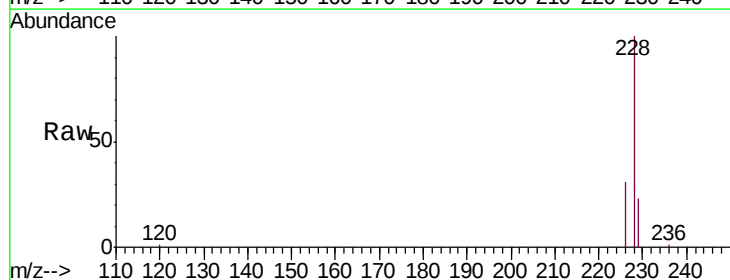
Tgt Ion:228 Resp: 1043815

Ion Ratio Lower Upper

228 100

229 22.9 15.6 23.4

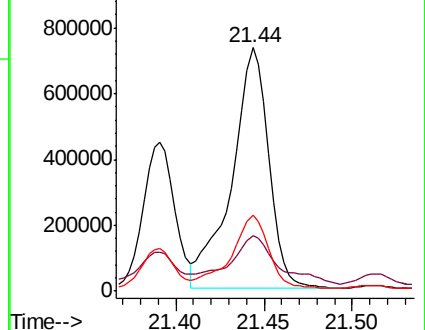
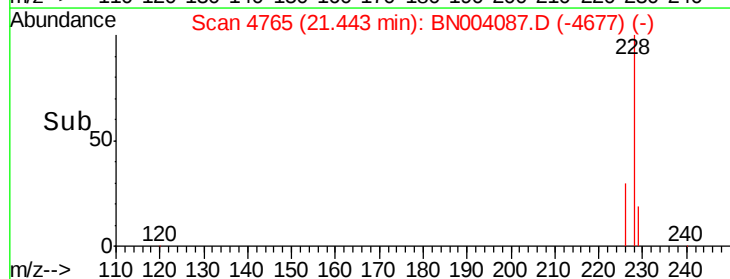
226 31.2 21.1 31.7

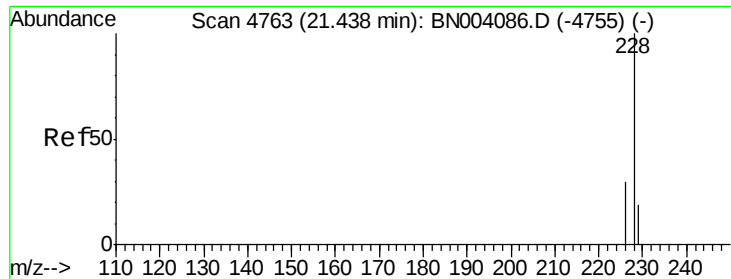


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 4.850 ng/ul

RT: 21.56 min Scan# 4806

Delta R.T. 0.13 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

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F9F10

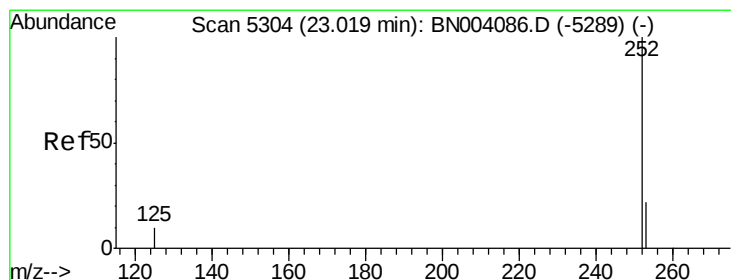
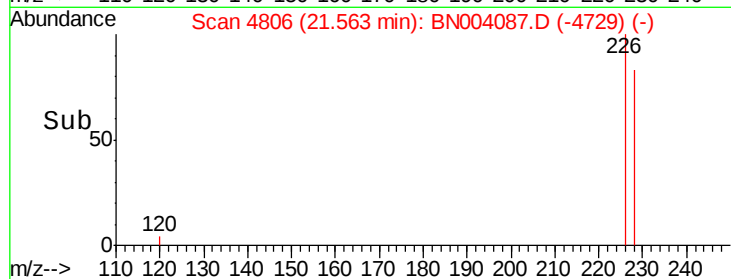
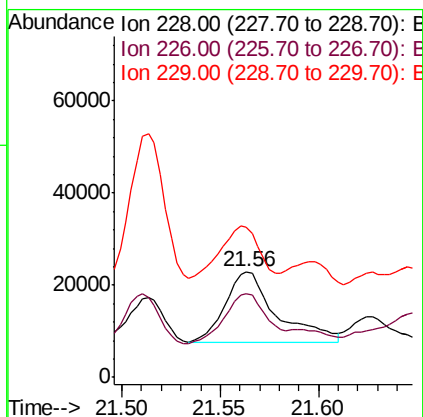
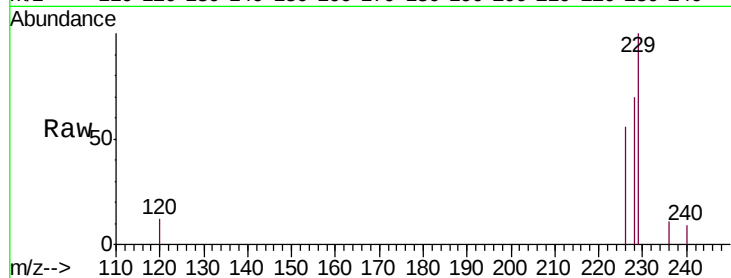
Tgt Ion:228 Resp: 27295

Ion Ratio Lower Upper

228 100

226 79.6 24.0 36.0#

229 142.8 15.7 23.5#



#21

Benzo(b)fluoranthene

Concen: 14.555 ng/ul

RT: 23.03 min Scan# 5307

Delta R.T. 0.01 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

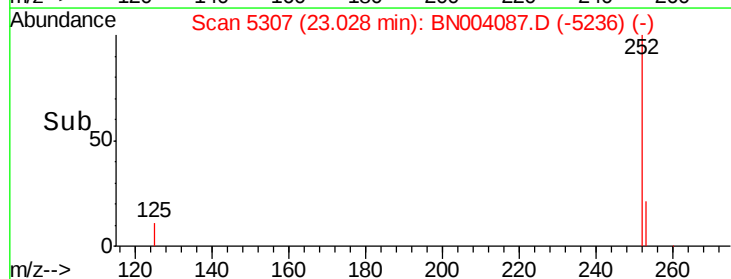
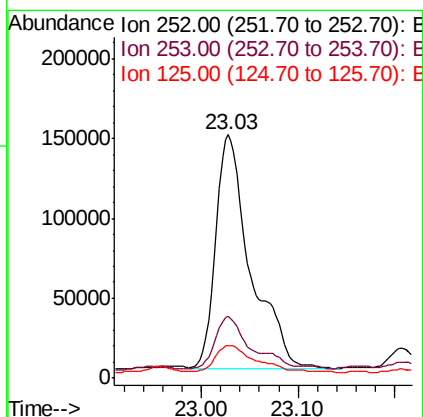
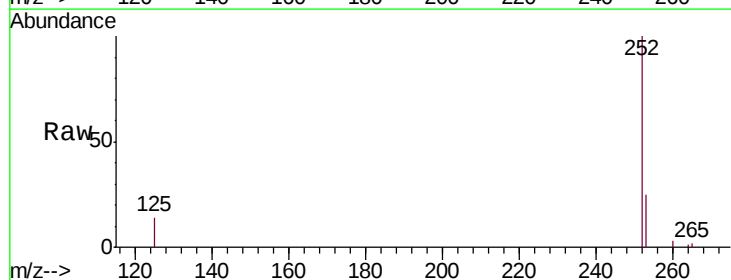
Tgt Ion:252 Resp: 365893

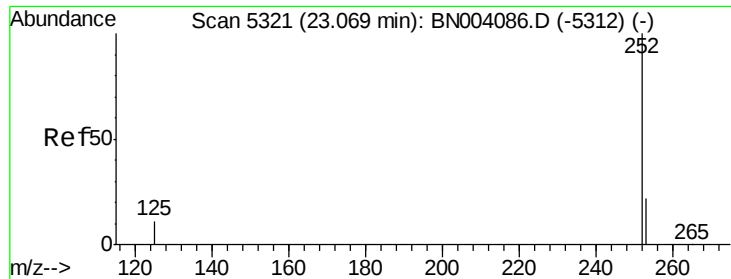
Ion Ratio Lower Upper

252 100

253 25.2 0.0 46.0

125 13.5 0.0 22.4





#22

Benzo(k)fluoranthene

Concen: 1.064 ng/ul

RT: 23.21 min Scan# 5369

Delta R.T. 0.14 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

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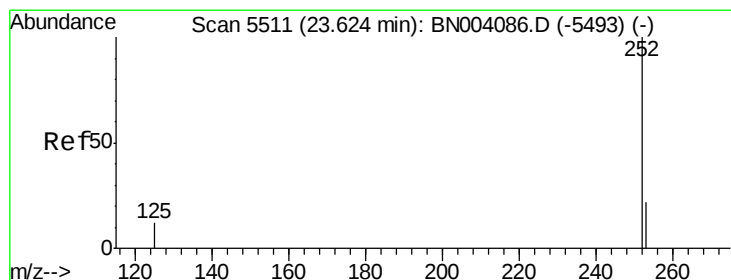
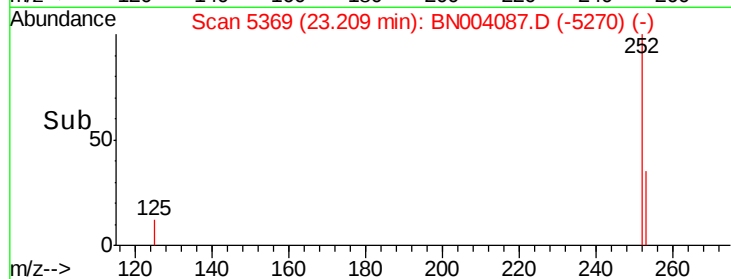
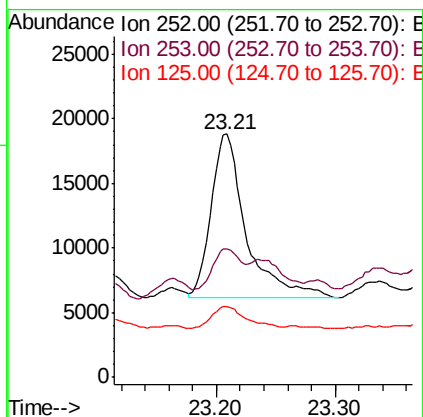
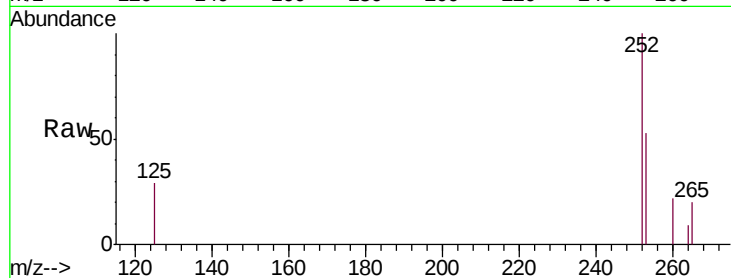
Tgt Ion:252 Resp: 26057

Ion Ratio Lower Upper

252 100

253 52.9 18.5 27.7#

125 29.1 9.0 13.6#



#23

Benzo(a)pyrene

Concen: 1.193 ng/ul

RT: 23.78 min Scan# 5565

Delta R.T. 0.16 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

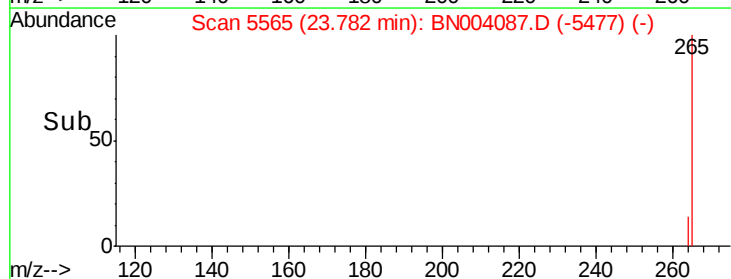
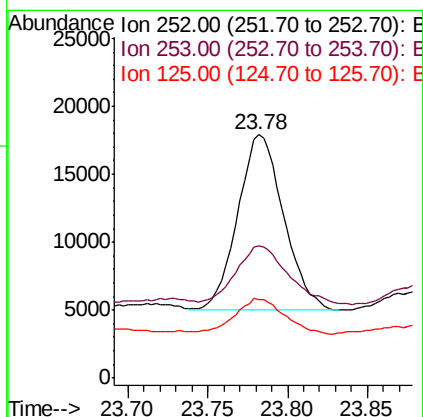
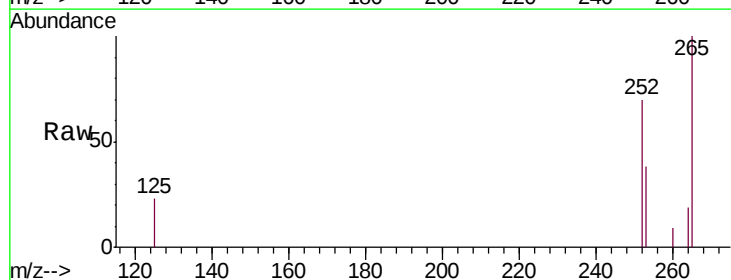
Tgt Ion:252 Resp: 25960

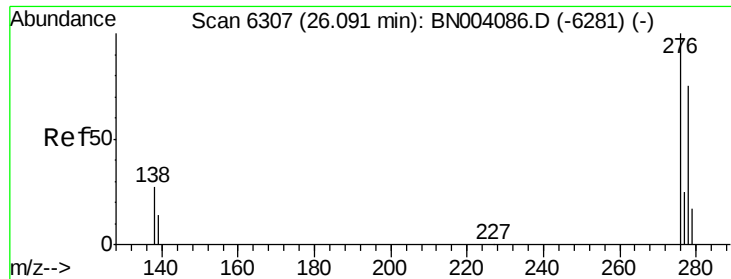
Ion Ratio Lower Upper

252 100

253 54.1 19.0 28.4#

125 32.5 10.2 15.4#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.275 ng/ul

RT: 26.21 min Scan# 6343

Delta R.T. 0.12 min

Lab File: BN004087.D

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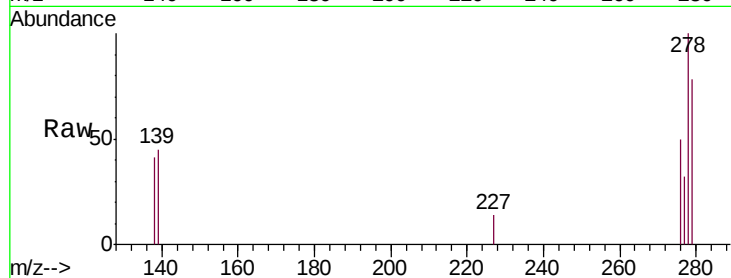
Tgt Ion:276 Resp: 6869

Ion Ratio Lower Upper

276 100

138 66.9 20.3 30.5#

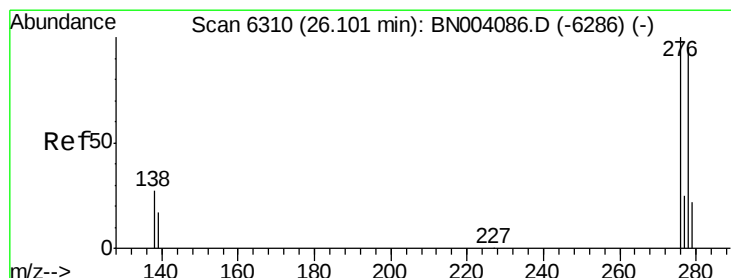
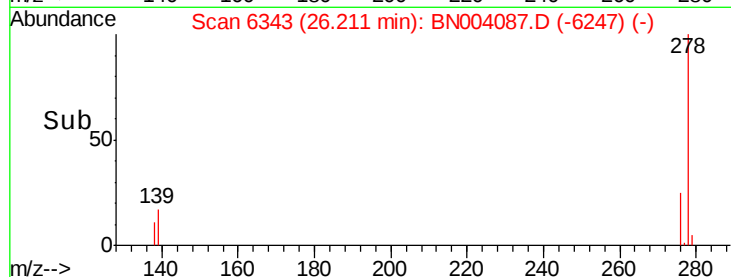
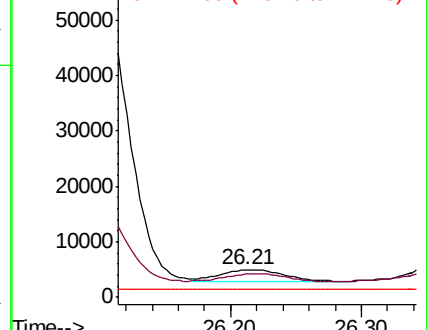
227 0.0 0.2 0.2#



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: 1.161 ng/ul

RT: 26.21 min Scan# 6343

Delta R.T. 0.11 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

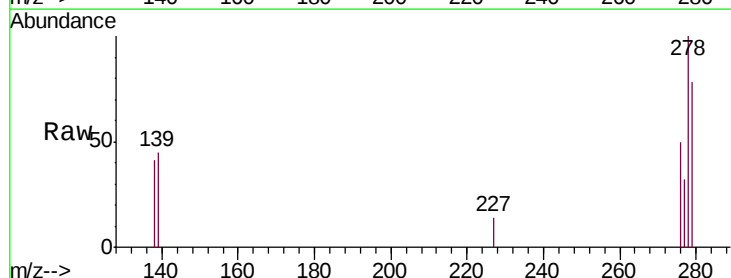
Tgt Ion:278 Resp: 23335

Ion Ratio Lower Upper

278 100

139 44.5 14.2 21.4#

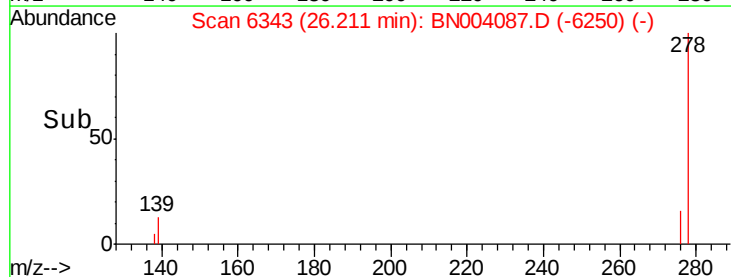
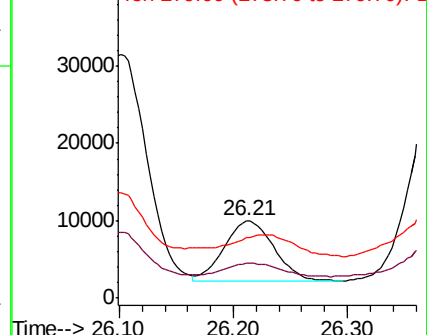
279 77.5 19.8 29.6#

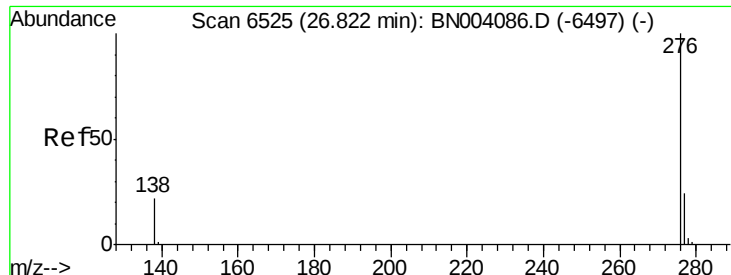


Abundance Ion 278.00 (277.70 to 278.70): E

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: 14.831 ng/ul

RT: 26.84 min Scan# 6530

Delta R.T. 0.02 min

Lab File: BN004087.D

Acq: 18 Dec 2018 21:24

Instrument :

BNA_N

ClientSampleId :

F9F10

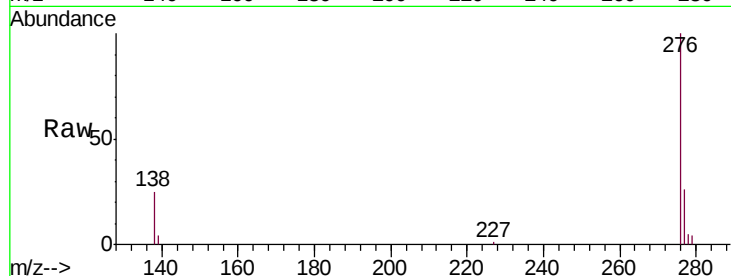
Tgt Ion: 276 Resp: 321782

Ion Ratio Lower Upper

276 100

138 24.7 17.7 26.5

277 25.6 19.3 28.9



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

