

Data File : BN008687.D
Acq On : 21 Nov 2019 21:03
Operator : JU
Sample : K5851-17DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AB5DL

Quant Time: Nov 22 06:34:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:30:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3886	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14067	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	8311	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	16420	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13534	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	13951	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	883	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	2143	0.04	ng/ul	0.00

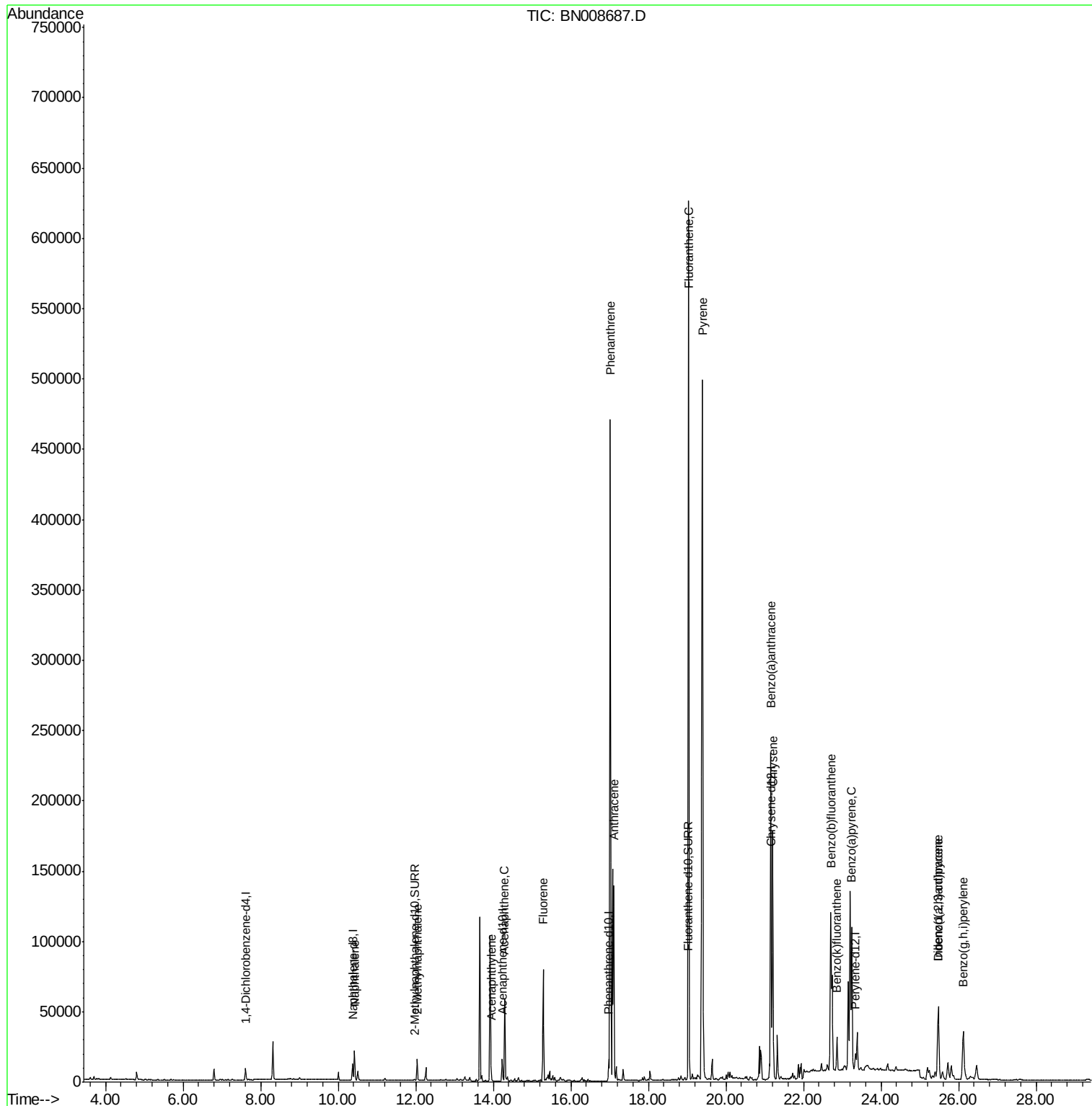
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	27020	0.637	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	10759	0.363	ng/ul	100
7) Acenaphthylene	13.95	152	1186	0.026	ng/ul#	74
8) Acenaphthene	14.29	153	33328	0.977	ng/ul	99
9) Fluorene	15.29	166	49076	1.226	ng/ul	100
12) Phenanthrene	17.02	178	491152	8.869	ng/ul	97
13) Anthracene	17.11	178	142888	2.731	ng/ul	98
15) Fluoranthene	19.04	202	501392	7.370	ng/ul	94
17) Pyrene	19.40	202	400483	7.376	ng/ul	97
18) Benzo(a)anthracene	21.16	228	194496	3.574	ng/ul	99
19) Chrysene	21.21	228	161081	3.013	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	244444	4.249	ng/ul	96
22) Benzo(k)fluoranthene	22.86	252	27139	0.476	ng/ul	93
23) Benzo(a)pyrene	23.24	252	133268	2.468	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.47	276	73722	1.167	ng/ul	97
25) Dibenzo(a,h)anthracene	25.48	278	18965	0.372	ng/ul	94
26) Benzo(g,h,i)perylene	26.12	276	66620	1.261	ng/ul	98

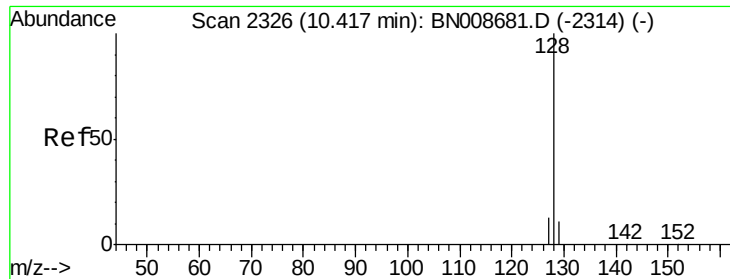
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.637 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

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Instrument :

BNA_N

ClientSampleId :

C0AB5DL

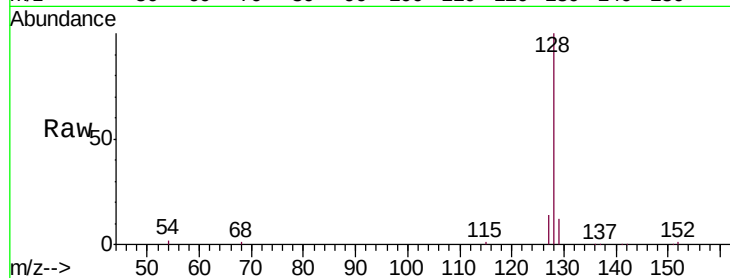
Tgt Ion:128 Resp: 27020

Ion Ratio Lower Upper

128 100

129 11.5 9.7 14.5

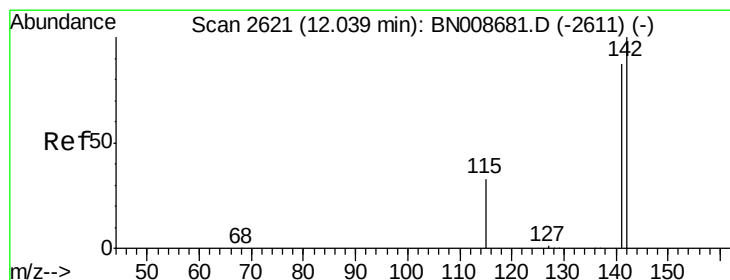
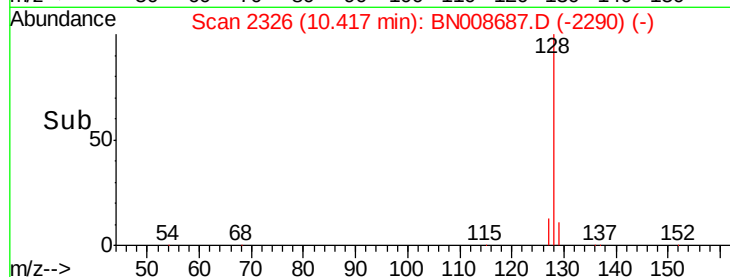
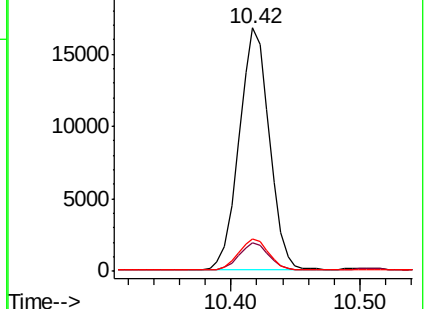
127 13.6 10.8 16.2



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: 0.363 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BN008687.D

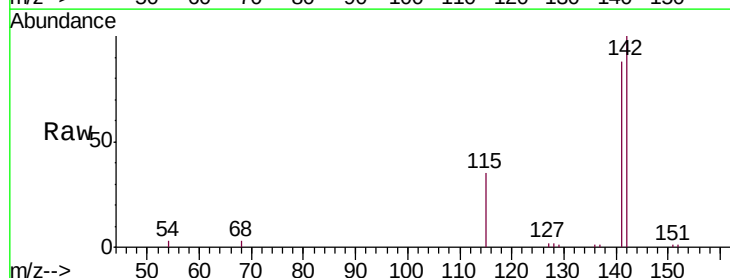
Acq: 21 Nov 2019 21:03

Tgt Ion:142 Resp: 10759

Ion Ratio Lower Upper

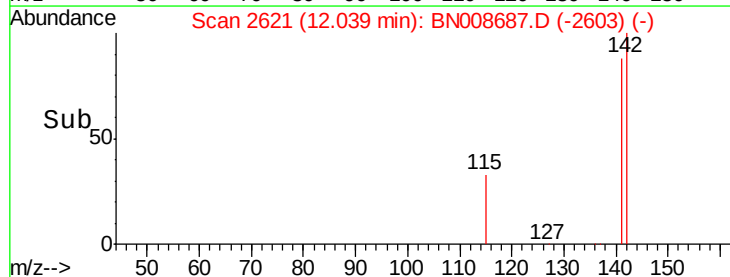
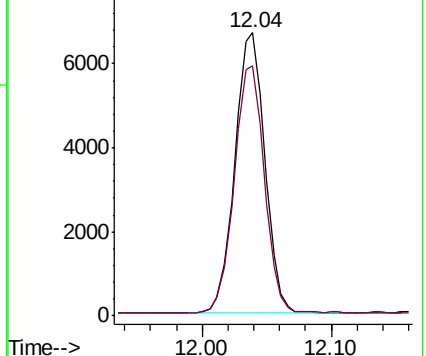
142 100

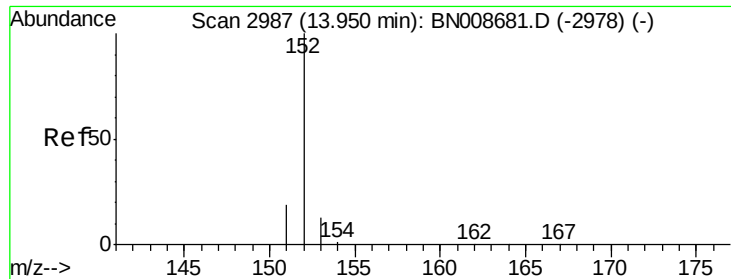
141 88.5 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

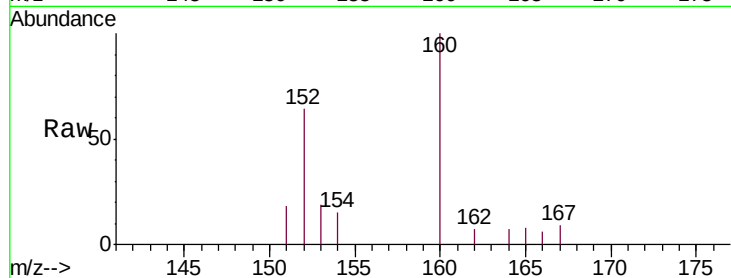
Tgt Ion:152 Resp: 1186

Ion Ratio Lower Upper

152 100

151 28.5 16.6 24.8#

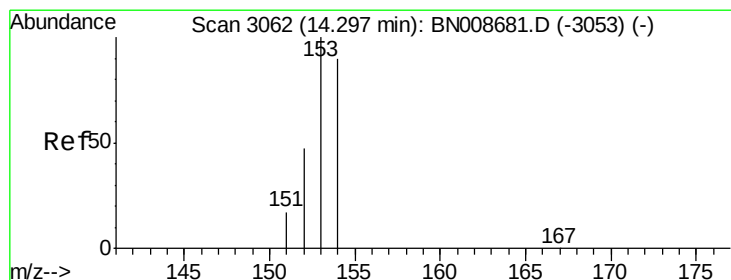
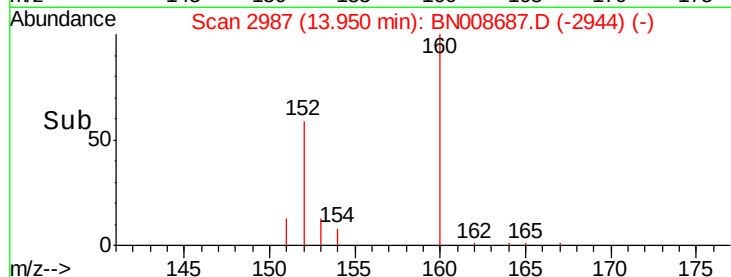
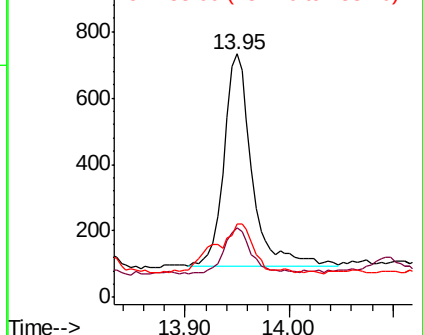
153 30.2 11.1 16.7#



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: 0.977 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

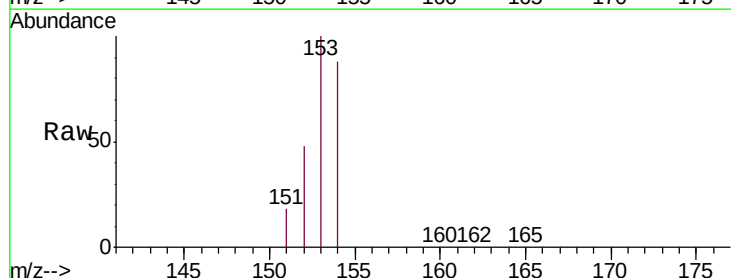
Tgt Ion:153 Resp: 33328

Ion Ratio Lower Upper

153 100

152 48.2 39.6 59.4

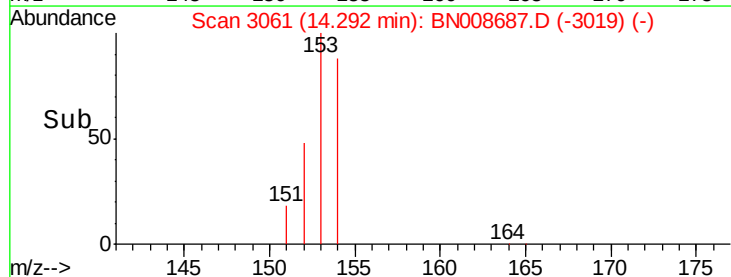
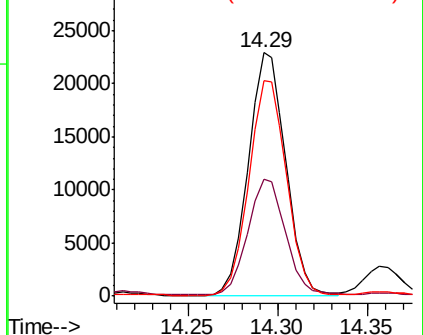
154 88.5 70.6 106.0

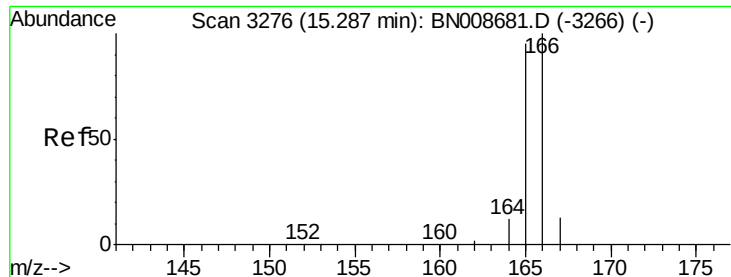


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.226 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

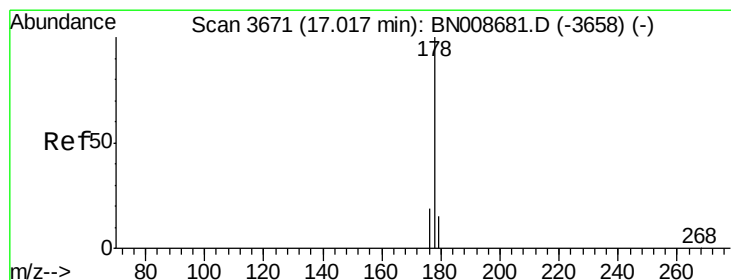
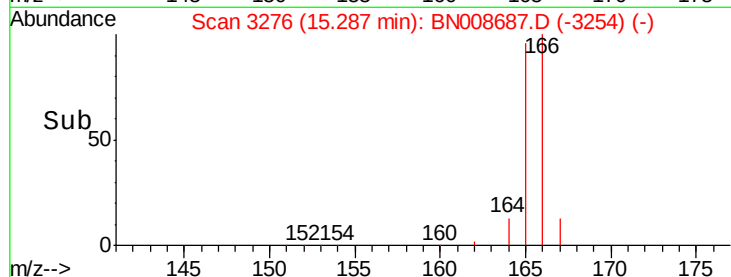
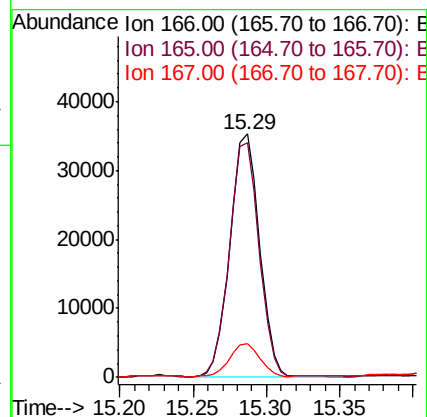
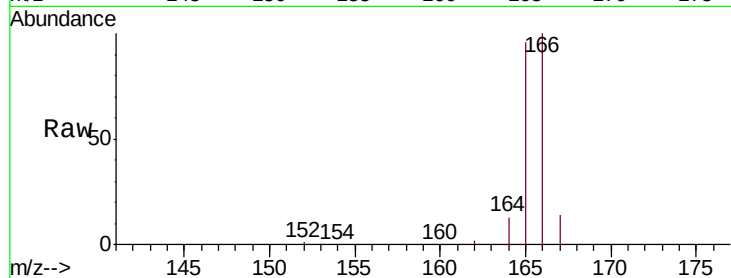
Tgt Ion:166 Resp: 49076

Ion Ratio Lower Upper

166 100

165 96.3 77.4 116.0

167 14.0 11.4 17.0



#12

Phenanthrene

Concen: 8.869 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

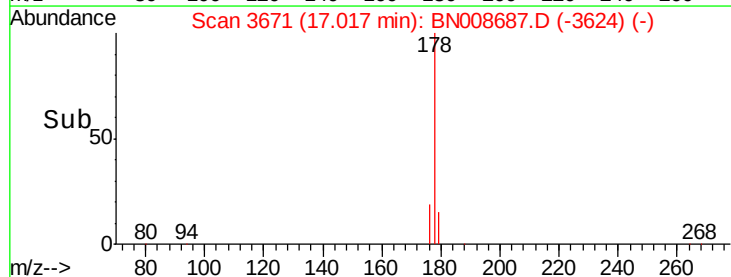
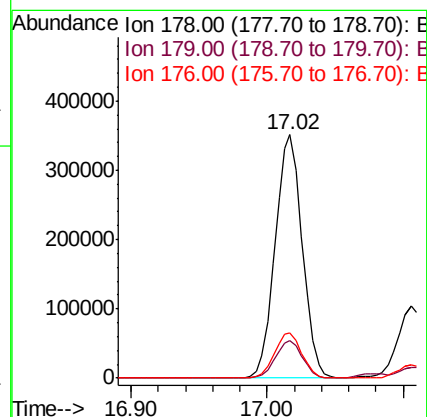
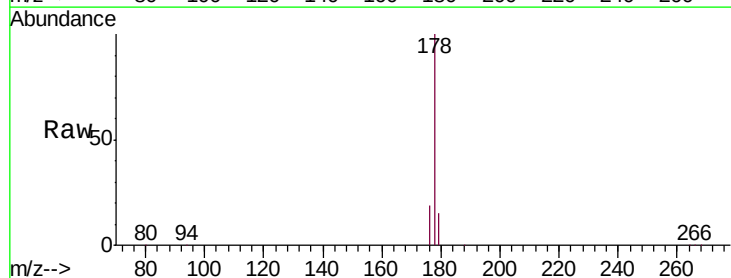
Tgt Ion:178 Resp: 491152

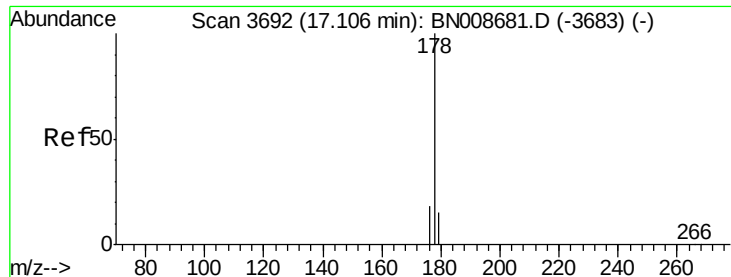
Ion Ratio Lower Upper

178 100

179 15.3 12.8 19.2

176 18.6 16.0 24.0





#13

Anthracene

Concen: 2.731 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

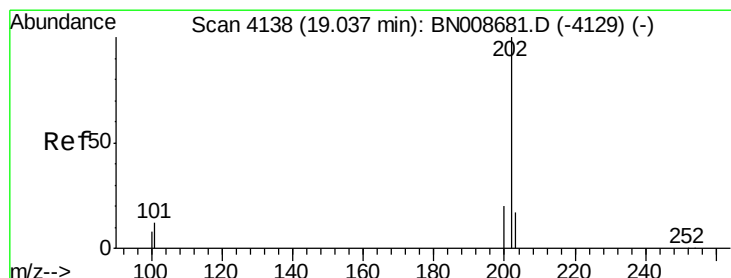
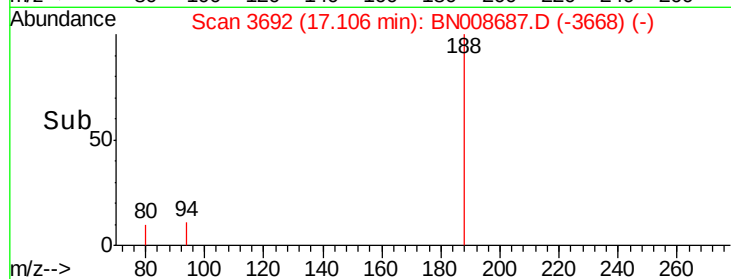
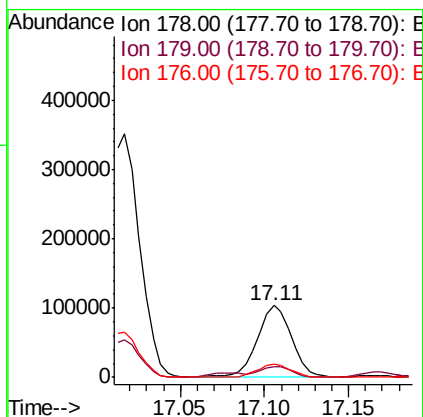
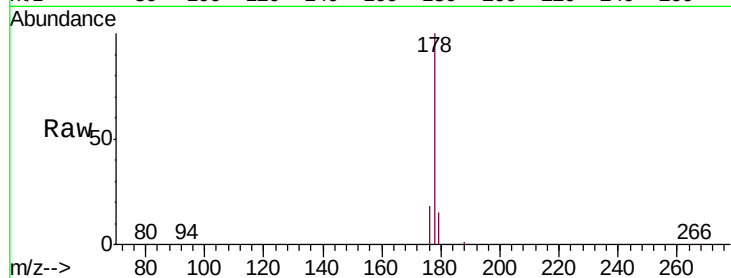
Tgt Ion:178 Resp: 142888

Ion Ratio Lower Upper

178 100

179 15.3 13.0 19.4

176 18.2 15.3 22.9



#15

Fluoranthene

Concen: 7.370 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

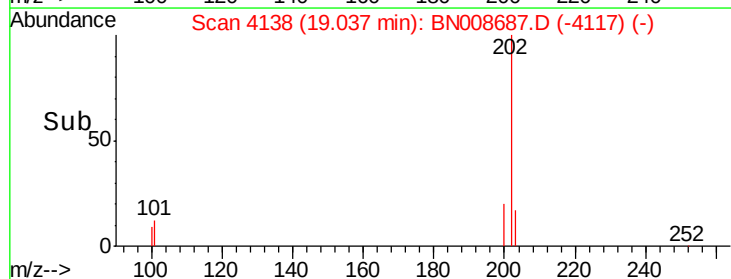
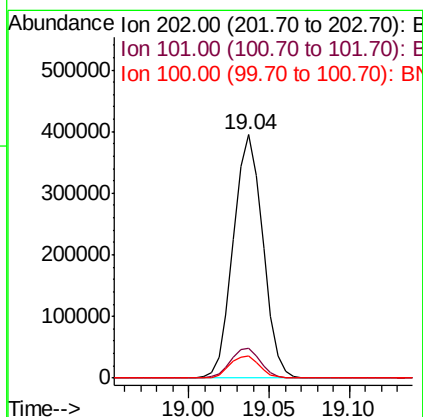
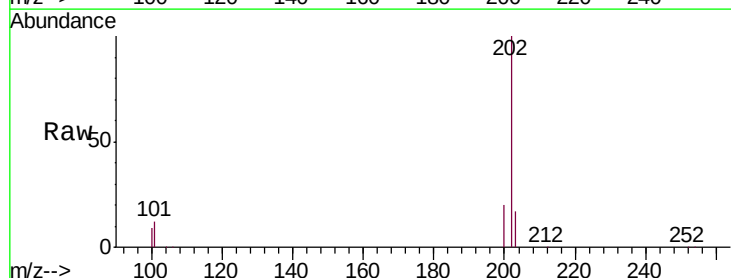
Tgt Ion:202 Resp: 501392

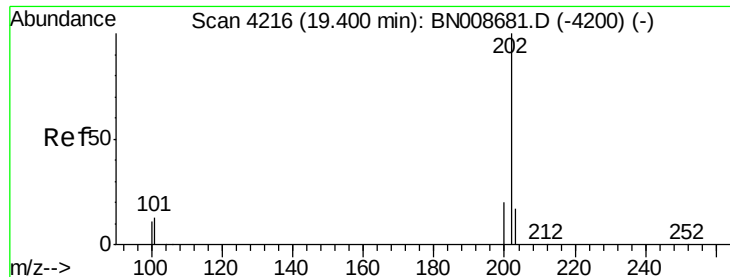
Ion Ratio Lower Upper

202 100

101 12.1 0.0 29.6

100 9.0 0.0 27.0

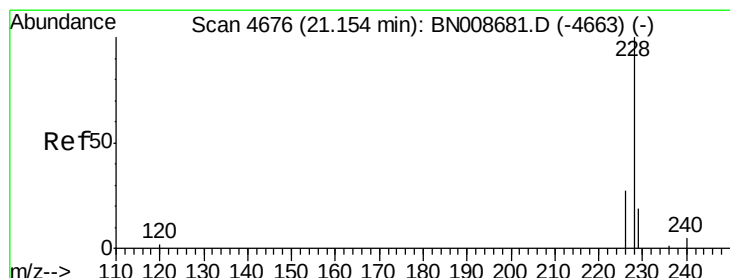
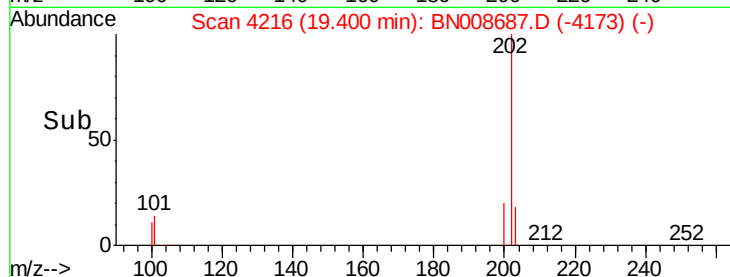
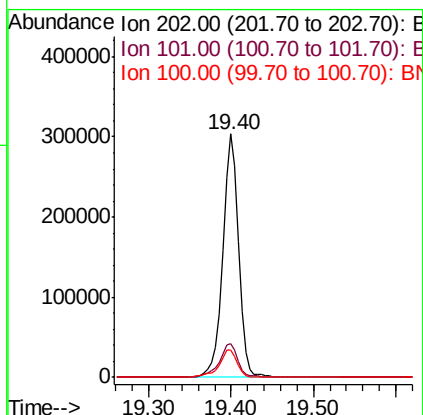
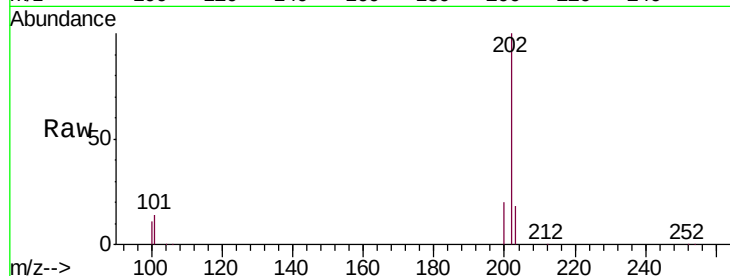




#17
 Pyrene
 Concen: 7.376 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008687.D
 Acq: 21 Nov 2019 21:03

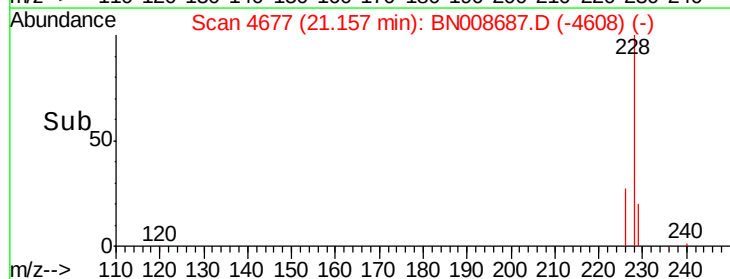
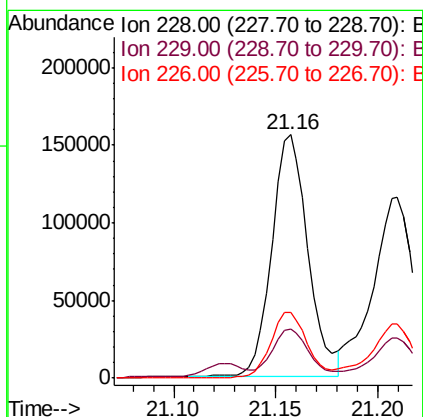
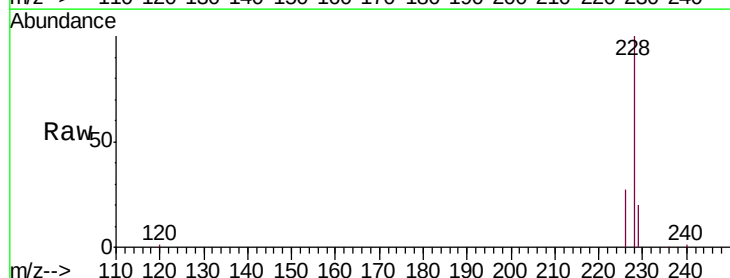
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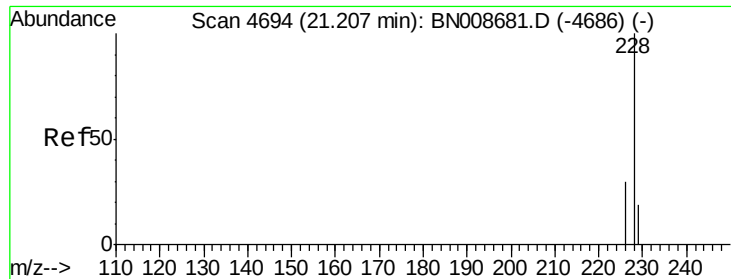
Tgt Ion:202 Resp: 400483
 Ion Ratio Lower Upper
 202 100
 101 14.1 10.2 15.2
 100 11.3 8.2 12.2



#18
 Benzo(a)anthracene
 Concen: 3.574 ng/ul
 RT: 21.16 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: BN008687.D
 Acq: 21 Nov 2019 21:03

Tgt Ion:228 Resp: 194496
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.8 23.6
 226 27.0 21.6 32.4





#19

Chrysene

Concen: 3.013 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. 0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

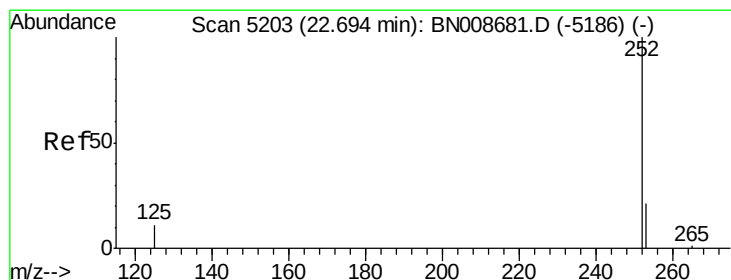
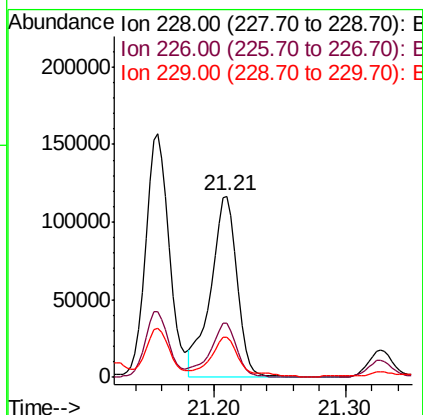
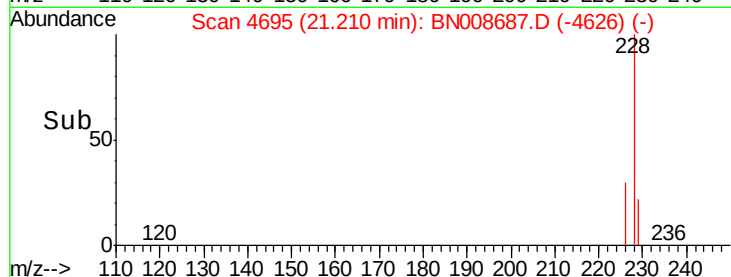
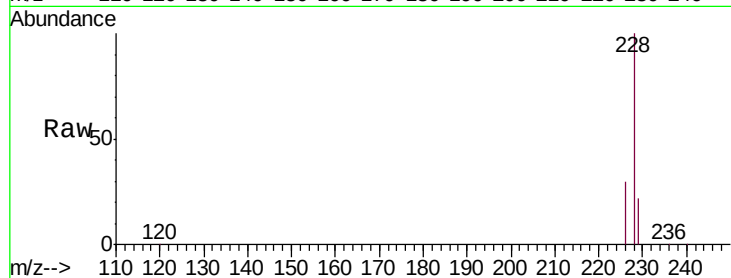
Tgt Ion:228 Resp: 161081

Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

229 22.4 15.5 23.3



#21

Benzo(b)fluoranthene

Concen: 4.249 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. 0.01 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

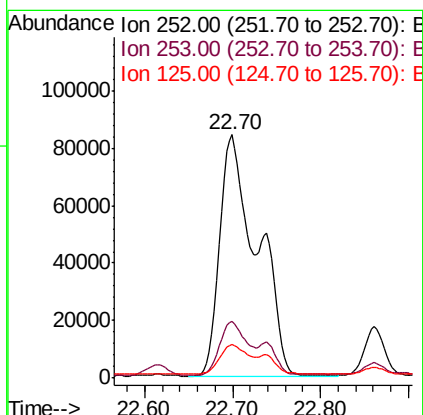
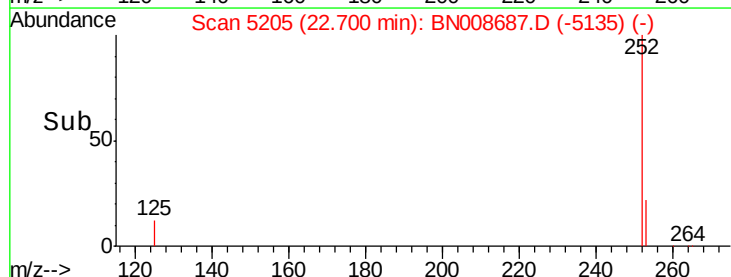
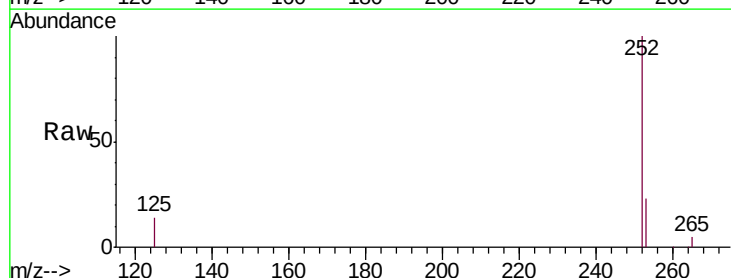
Tgt Ion:252 Resp: 244444

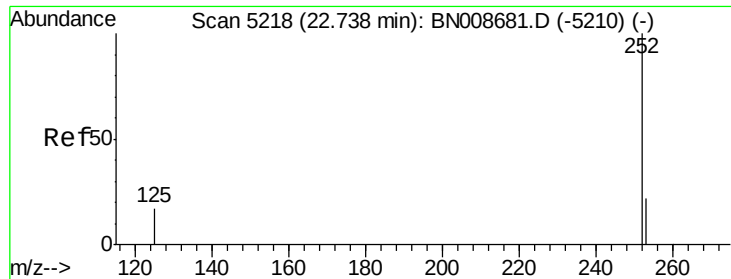
Ion Ratio Lower Upper

252 100

253 23.2 0.0 50.2

125 13.6 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 0.476 ng/ul

RT: 22.86 min Scan# 5260

Delta R.T. 0.12 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

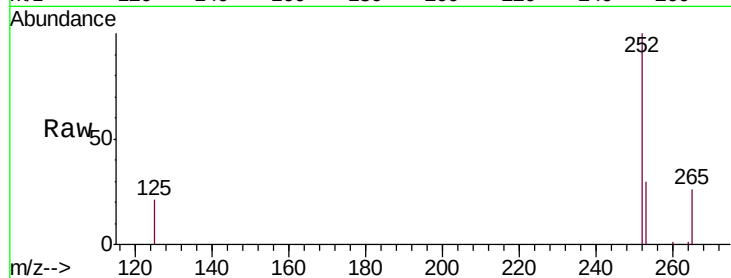
Tgt Ion:252 Resp: 27139

Ion Ratio Lower Upper

252 100

253 30.0 20.5 30.7

125 21.2 15.0 22.4

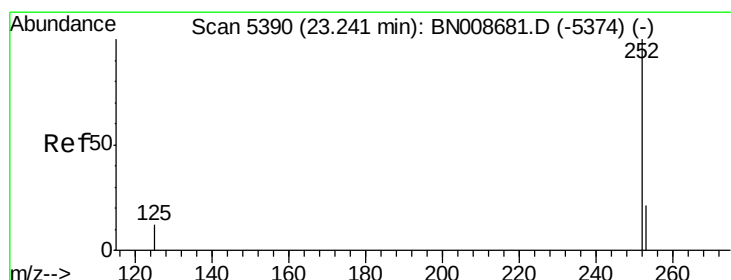
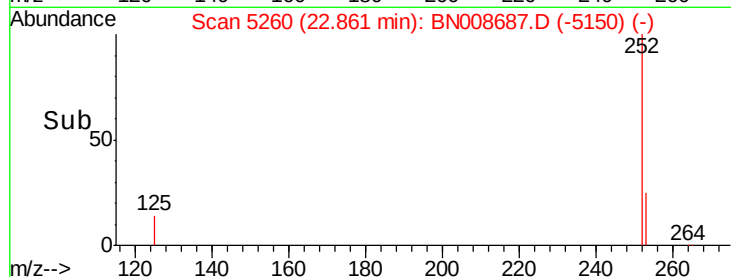
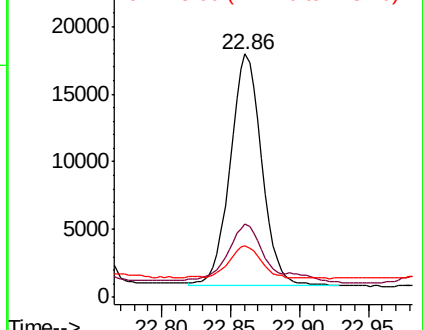


Abundance

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: 2.468 ng/ul

RT: 23.24 min Scan# 5391

Delta R.T. 0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

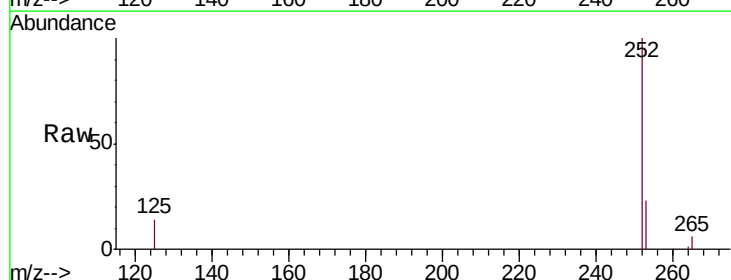
Tgt Ion:252 Resp: 133268

Ion Ratio Lower Upper

252 100

253 23.3 21.4 32.2

125 14.1 13.8 20.8

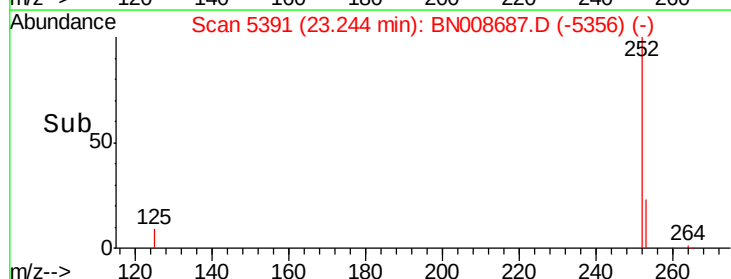
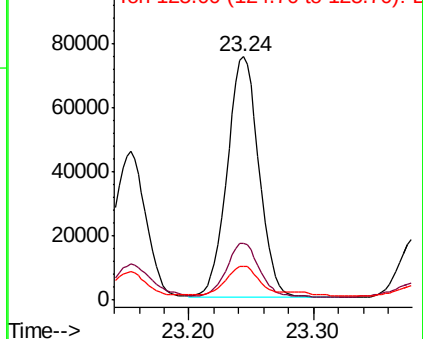


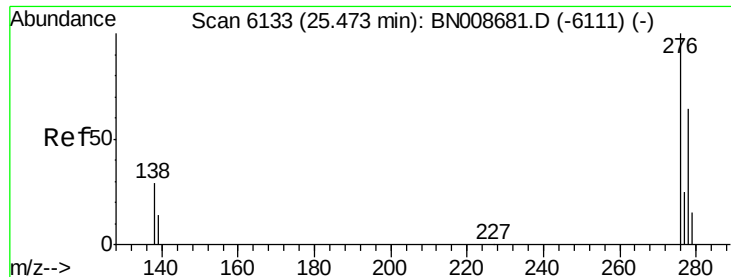
Abundance

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





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.167 ng/ul

RT: 25.47 min Scan# 6133

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

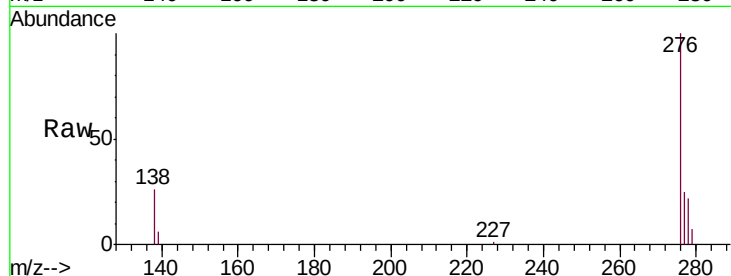
Tgt Ion:276 Resp: 73722

Ion Ratio Lower Upper

276 100

138 25.5 21.7 32.5

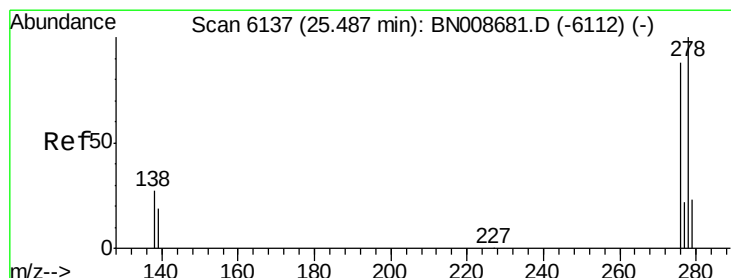
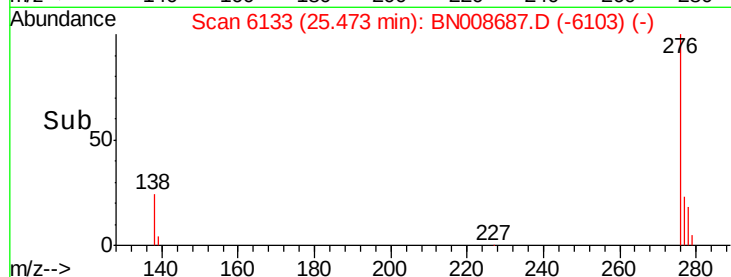
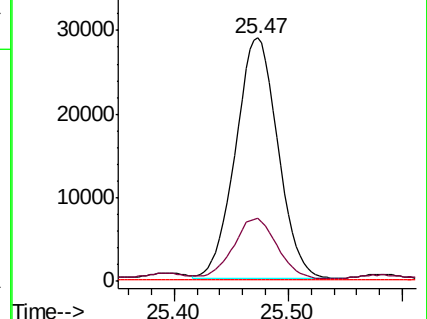
227 0.2 0.2 0.2



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: 0.372 ng/ul

RT: 25.48 min Scan# 6135

Delta R.T. -0.01 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

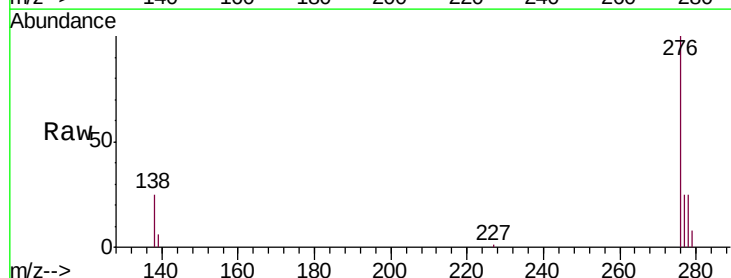
Tgt Ion:278 Resp: 18965

Ion Ratio Lower Upper

278 100

139 25.6 18.7 28.1

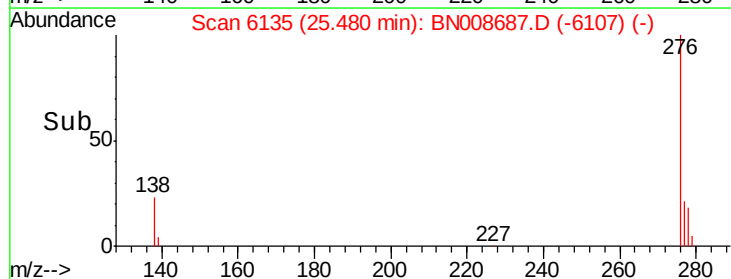
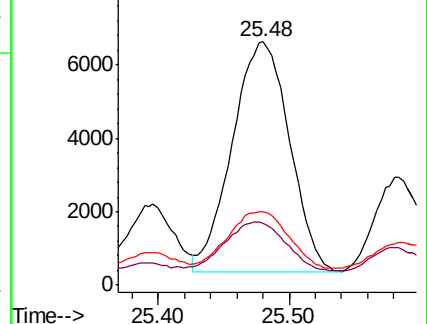
279 30.1 20.8 31.2

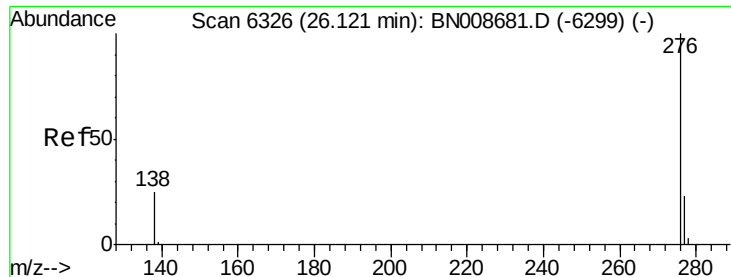


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.261 ng/ul

RT: 26.12 min Scan# 6326

Delta R.T. -0.00 min

Lab File: BN008687.D

Acq: 21 Nov 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0AB5DL

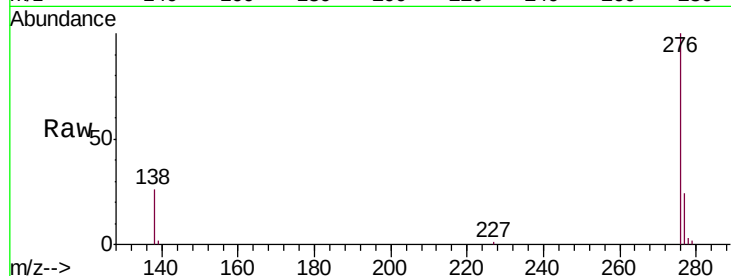
Tgt Ion: 276 Resp: 66620

Ion Ratio Lower Upper

276 100

138 25.9 20.0 30.0

277 24.2 20.0 30.0



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

