

Data File : BN008683.D
Acq On : 21 Nov 2019 18:39
Operator : JU
Sample : K5851-08DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AA6DL

Quant Time: Nov 22 06:33:35 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	3443	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	12255	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	7298	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	14201	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	12073	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	12281	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	859	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	2092	0.05	ng/ul	0.00

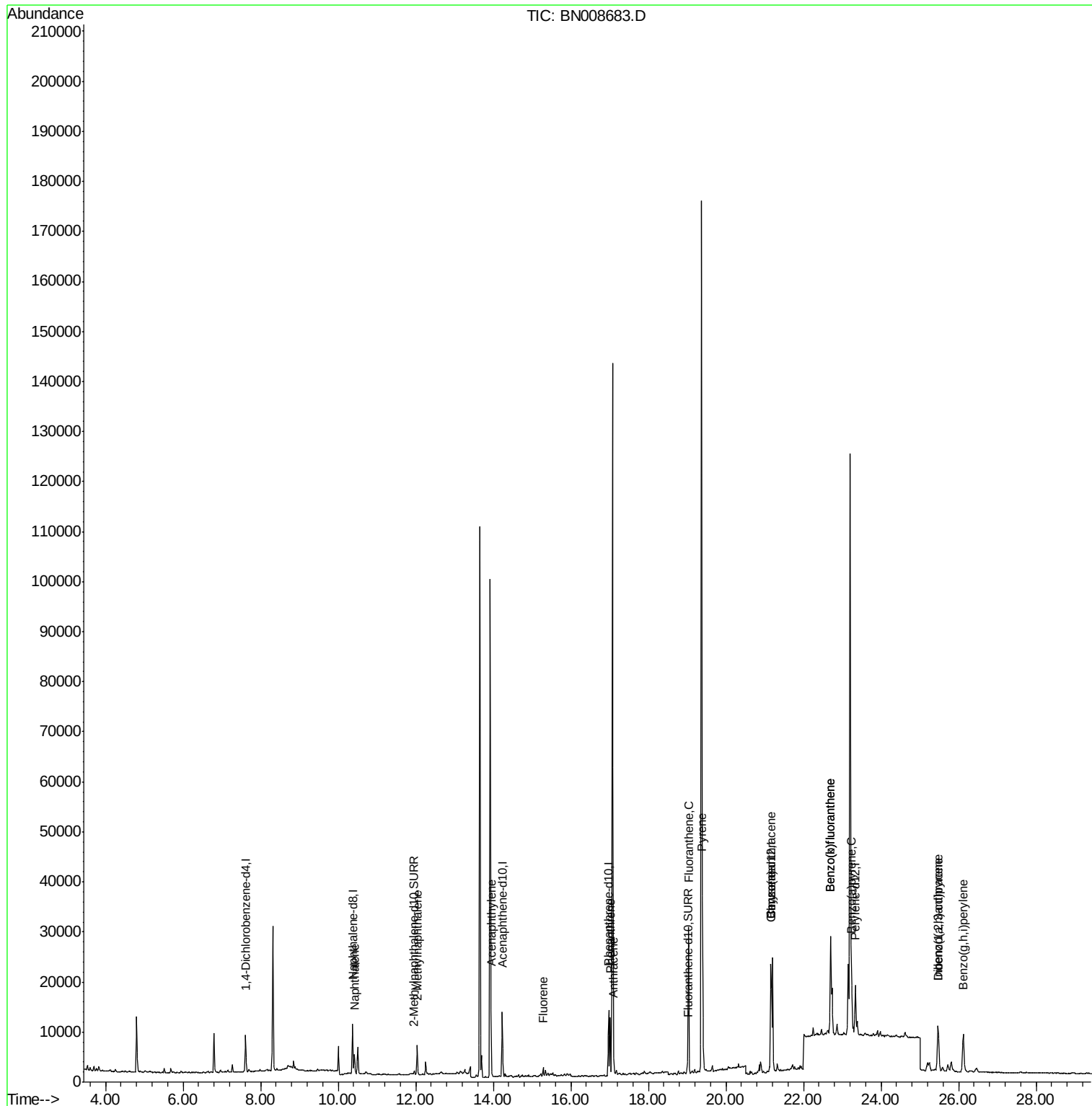
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	5246	0.142	ng/ul	96
5) 2-Methylnaphthalene	12.04	142	4092	0.159	ng/ul	99
7) Acenaphthylene	13.95	152	1363	0.034	ng/ul#	85
9) Fluorene	15.29	166	979	0.028	ng/ul#	87
12) Phenanthrene	17.02	178	12499	0.261	ng/ul	98
13) Anthracene	17.11	178	2863	0.063	ng/ul#	89
15) Fluoranthene	19.04	202	23717	0.403	ng/ul	92
17) Pyrene	19.40	202	27525	0.568	ng/ul	95
18) Benzo(a)anthracene	21.16	228	15338	0.316	ng/ul	94
19) Chrysene	21.16	228	15338	0.322	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	36872	0.728	ng/ul#	83
22) Benzo(k)fluoranthene	22.70	252	36872	0.734	ng/ul#	87
23) Benzo(a)pyrene	23.24	252	13574	0.286	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	25.48	276	13031	0.234	ng/ul	100
25) Dibenzo(a,h)anthracene	25.48	278	4084	0.091	ng/ul#	42
26) Benzo(g,h,i)perylene	26.12	276	13938	0.300	ng/ul#	91

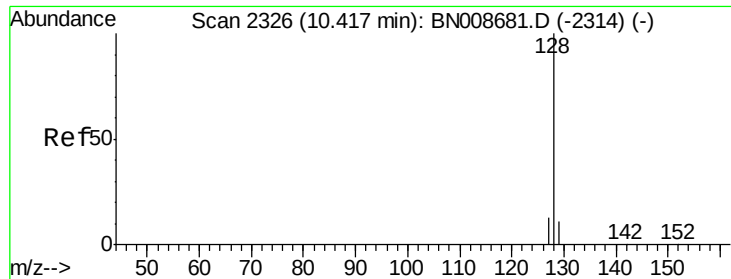
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.142 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BN008683.D

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Instrument :

BNA_N

ClientSampleId :

C0AA6DL

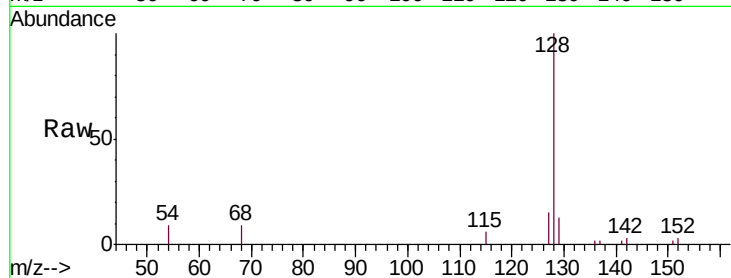
Tgt Ion:128 Resp: 5246

Ion Ratio Lower Upper

128 100

129 13.3 9.7 14.5

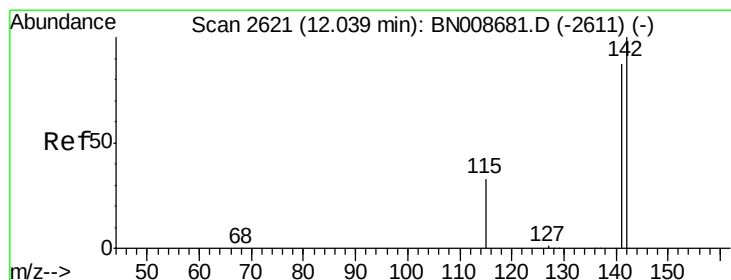
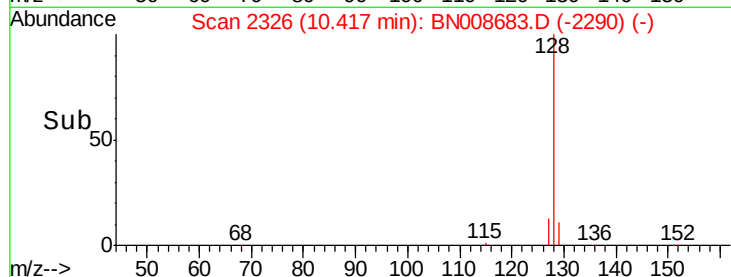
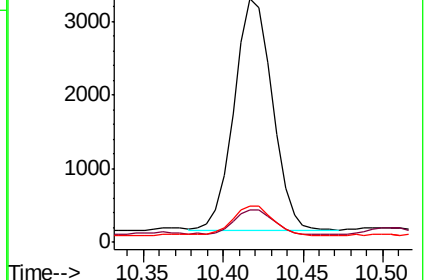
127 15.1 10.8 16.2



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: 0.159 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BN008683.D

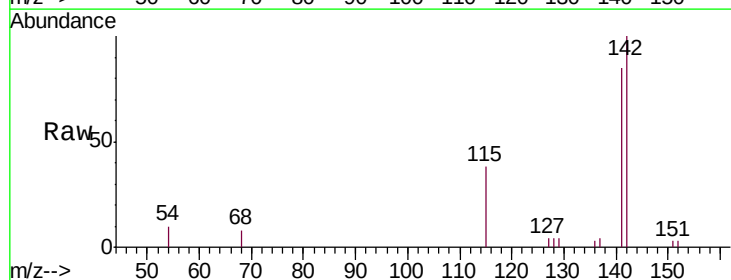
Acq: 21 Nov 2019 18:39

Tgt Ion:142 Resp: 4092

Ion Ratio Lower Upper

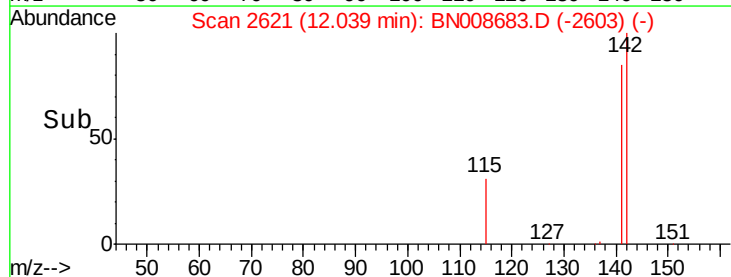
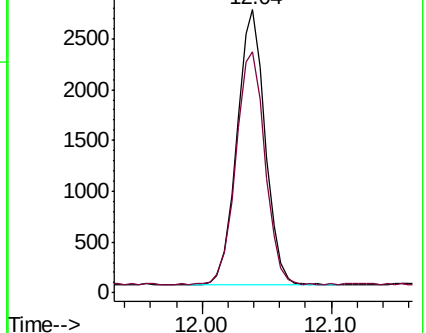
142 100

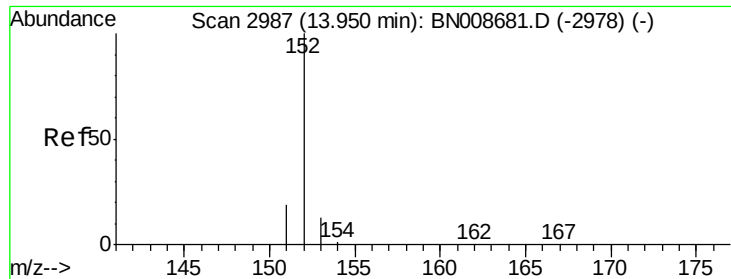
141 87.6 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. -0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

Instrument :

BNA_N

ClientSampleId :

C0AA6DL

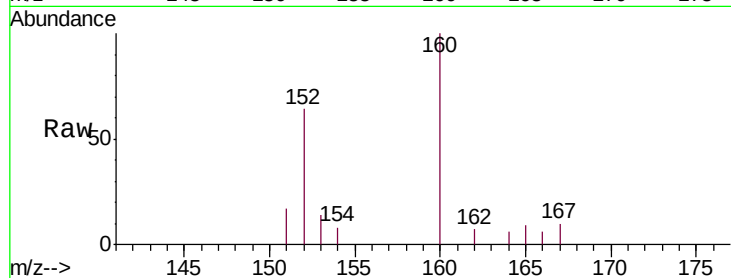
Tgt Ion:152 Resp: 1363

Ion Ratio Lower Upper

152 100

151 25.9 16.6 24.8#

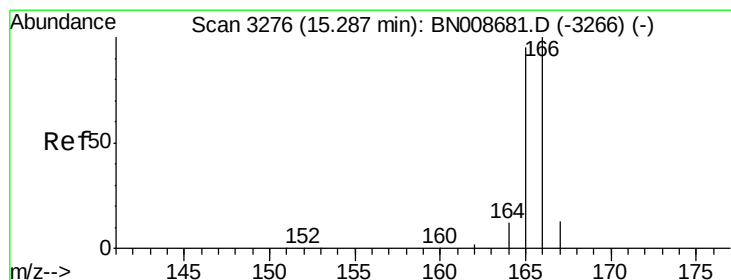
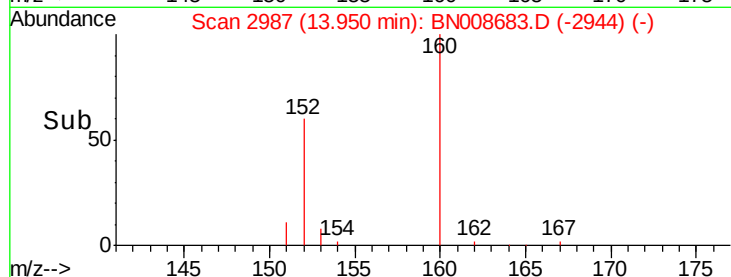
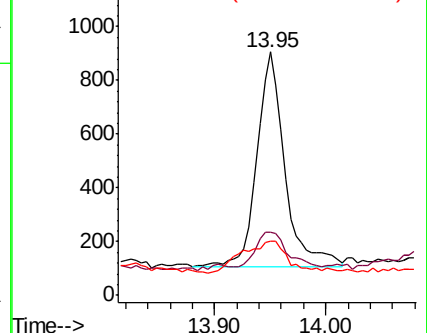
153 22.5 11.1 16.7#



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



#9

Fluorene

Concen: 0.028 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

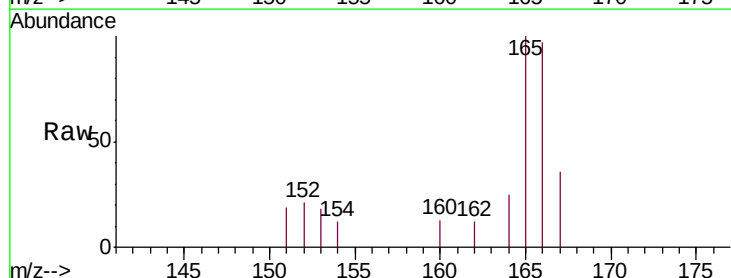
Tgt Ion:166 Resp: 979

Ion Ratio Lower Upper

166 100

165 103.2 77.4 116.0

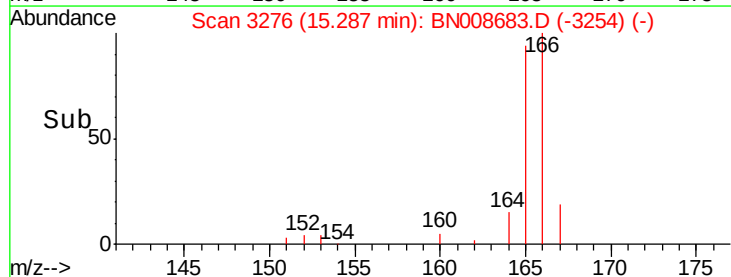
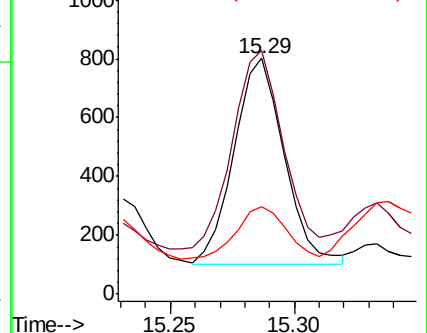
167 37.0 11.4 17.0#

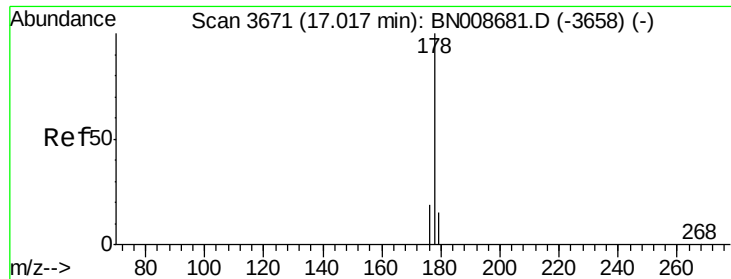


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.261 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

Instrument :

BNA_N

ClientSampleId :

C0AA6DL

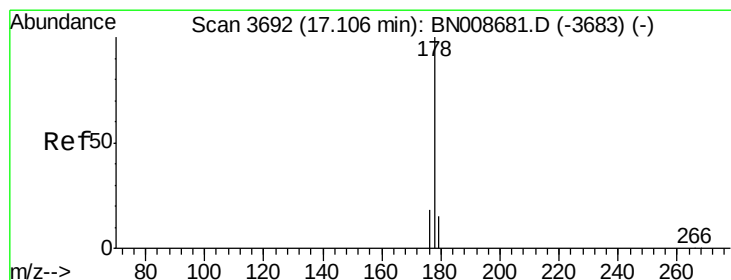
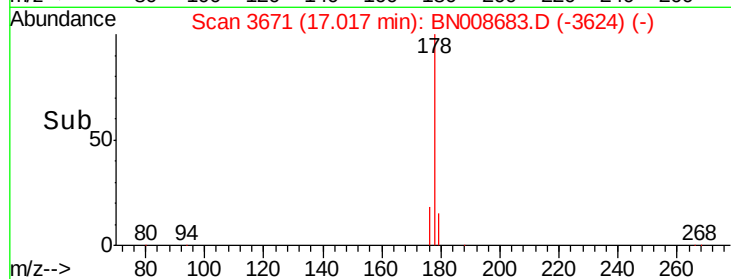
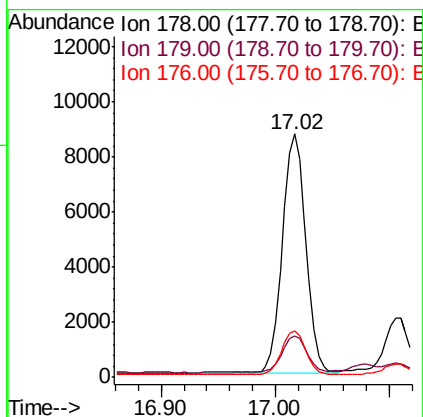
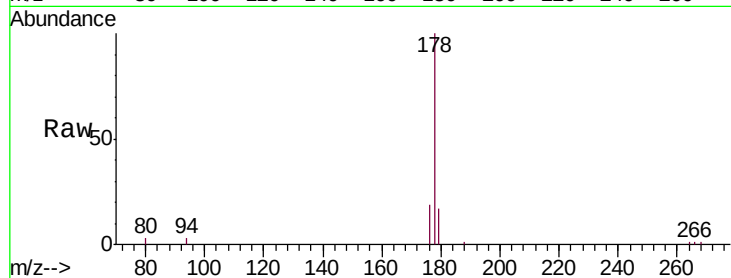
Tgt Ion:178 Resp: 12499

Ion Ratio Lower Upper

178 100

179 17.0 12.8 19.2

176 19.3 16.0 24.0



#13

Anthracene

Concen: 0.063 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

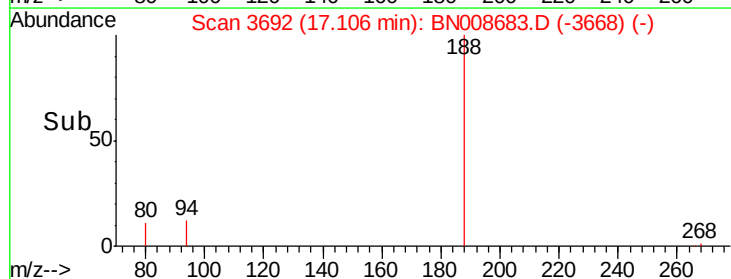
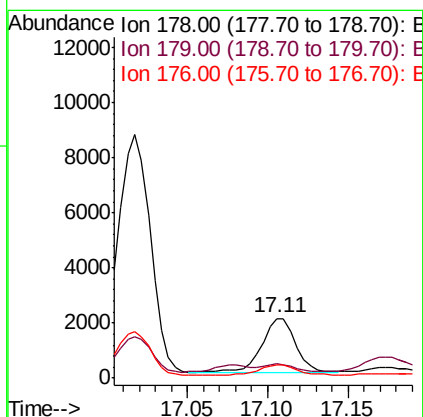
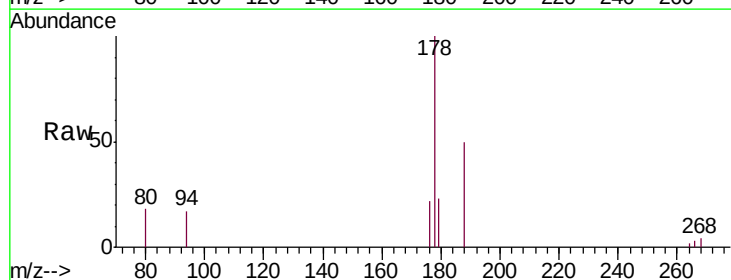
Tgt Ion:178 Resp: 2863

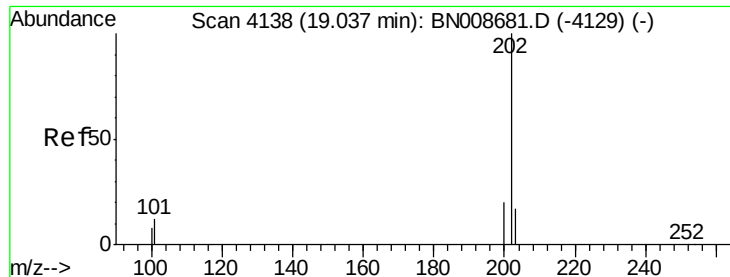
Ion Ratio Lower Upper

178 100

179 23.4 13.0 19.4#

176 22.1 15.3 22.9

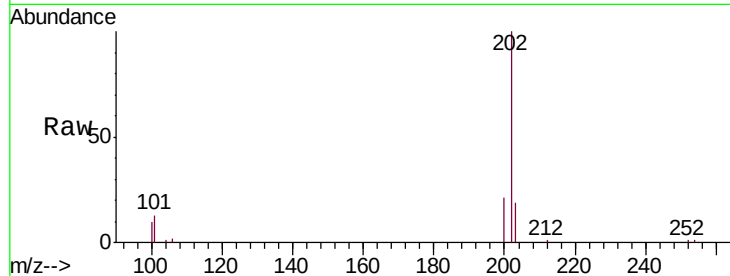




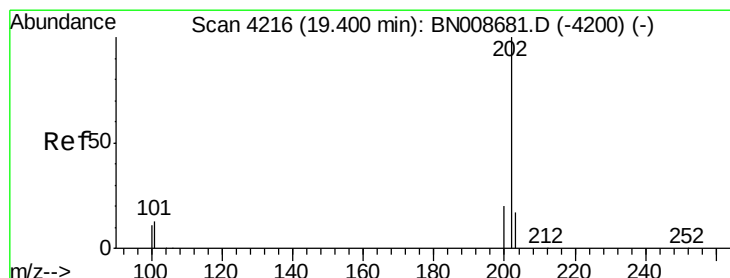
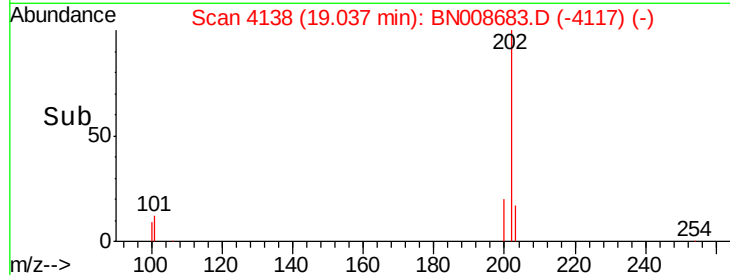
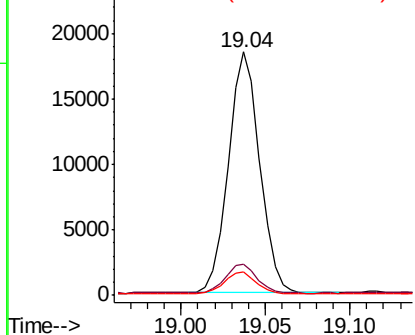
#15
Fluoranthene
 Concen: 0.403 ng/ul
 RT: 19.04 min Scan# 4138
 Delta R.T. -0.00 min
 Lab File: BN008683.D
 Acq: 21 Nov 2019 18:39

Instrument :
 BNA_N
 ClientSampleId :
 C0AA6DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	23717		
101	12.7	0.0	29.6	
100	9.5	0.0	27.0	

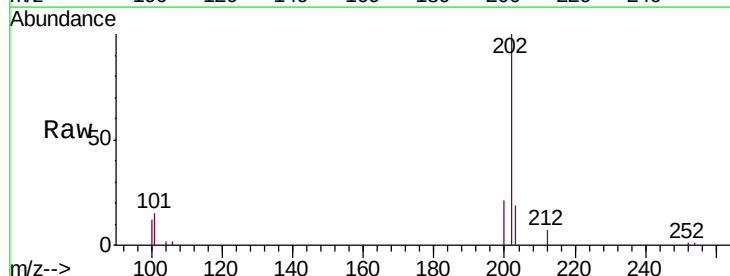


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

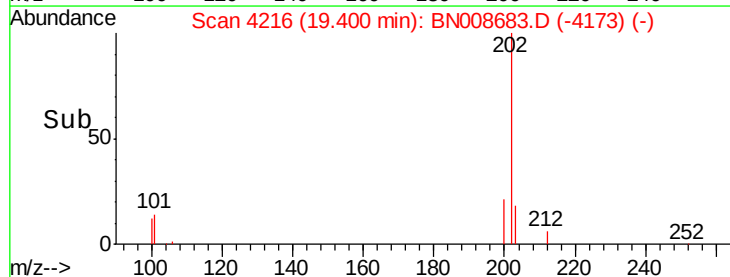
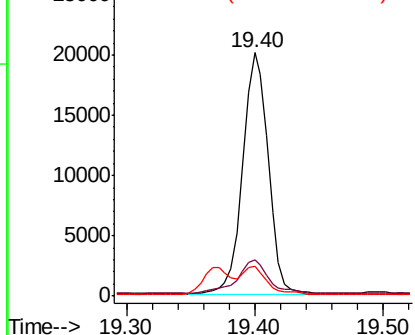


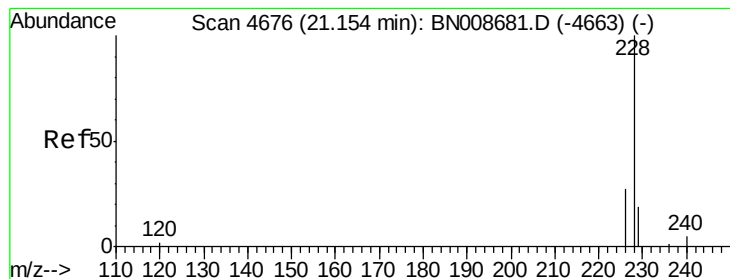
#17
Pyrene
 Concen: 0.568 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008683.D
 Acq: 21 Nov 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	27525		
101	15.0	10.2	15.2	
100	12.0	8.2	12.2	



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: 0.316 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. 0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

Instrument :

BNA_N

ClientSampleId :

C0AA6DL

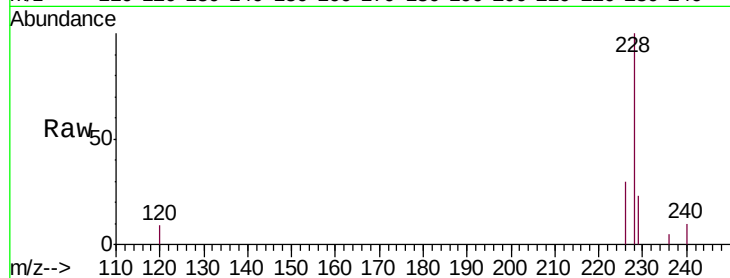
Tgt Ion:228 Resp: 15338

Ion Ratio Lower Upper

228 100

229 22.7 15.8 23.6

226 29.9 21.6 32.4

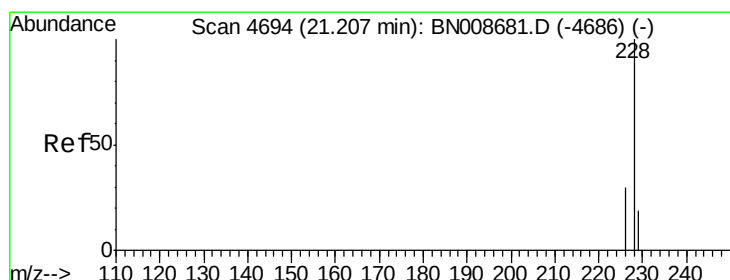
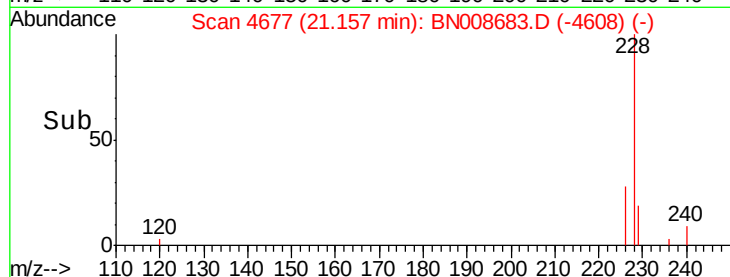
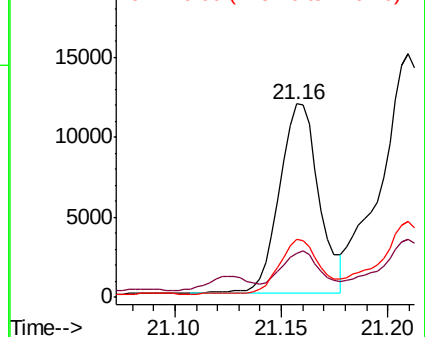


Abundance

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: 0.322 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.05 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

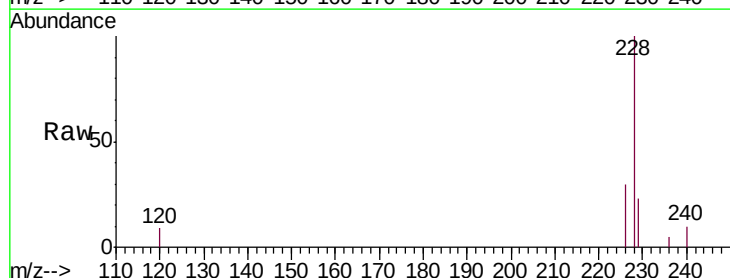
Tgt Ion:228 Resp: 15338

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 22.7 15.5 23.3

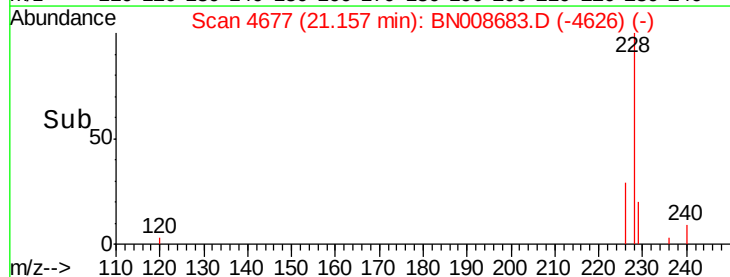
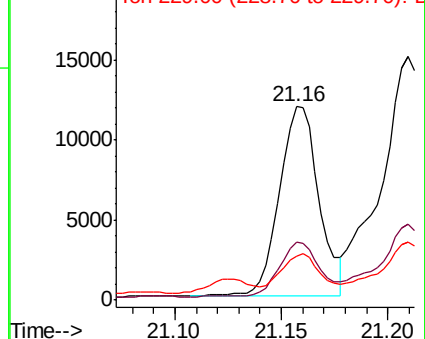


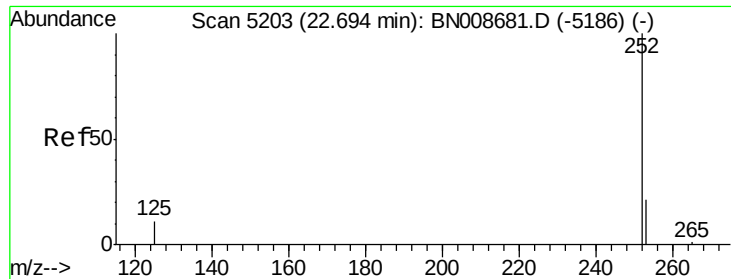
Abundance

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: 0.728 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. 0.01 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

Instrument :

BNA_N

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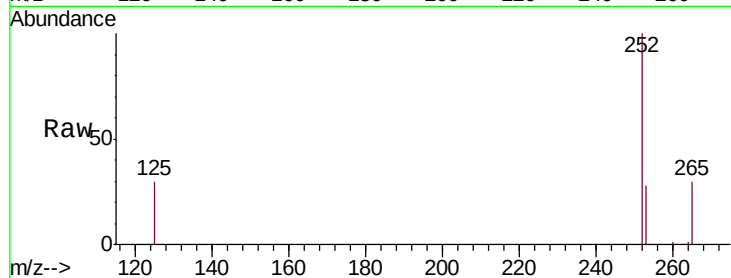
Tgt Ion:252 Resp: 36872

Ion Ratio Lower Upper

252 100

253 27.6 0.0 50.2

125 30.1 0.0 30.0#

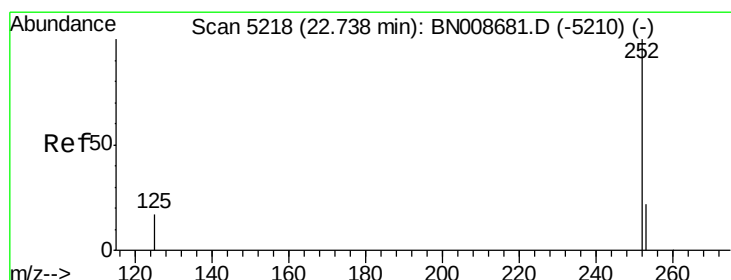
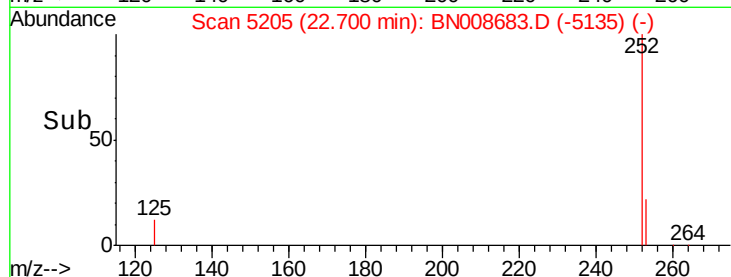
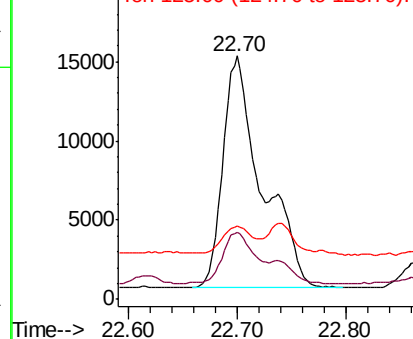


Abundance

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: 0.734 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.04 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

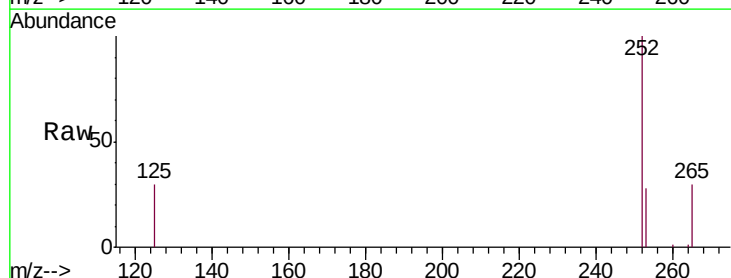
Tgt Ion:252 Resp: 36872

Ion Ratio Lower Upper

252 100

253 27.6 20.5 30.7

125 30.1 15.0 22.4#

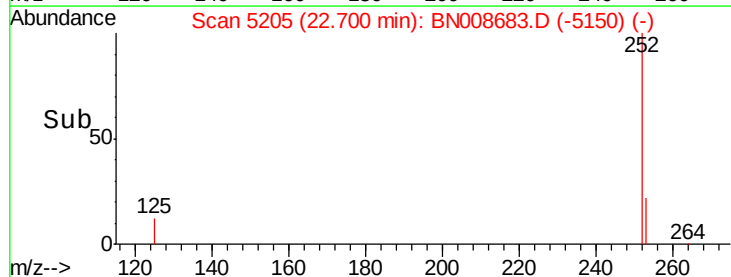
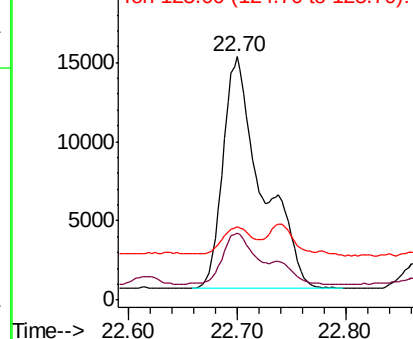


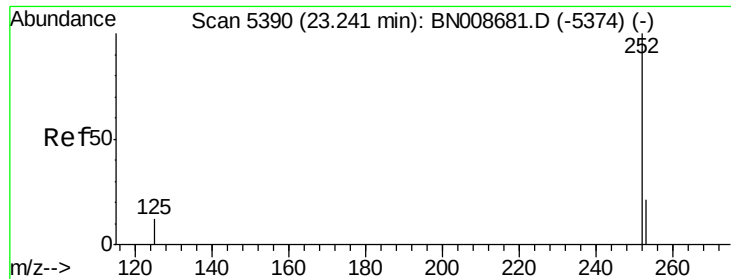
Abundance

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: 0.286 ng/ul

RT: 23.24 min Scan# 5391

Delta R.T. 0.00 min

Lab File: BN008683.D

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C0AA6DL

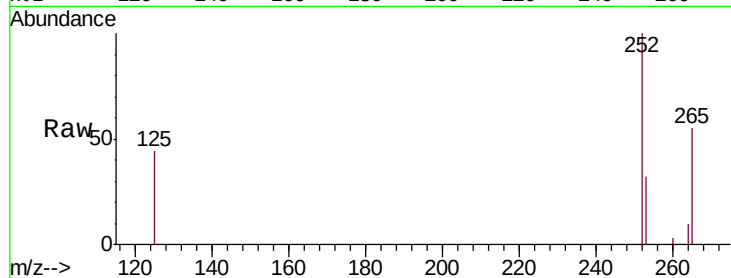
Tgt Ion:252 Resp: 13574

Ion Ratio Lower Upper

252 100

253 31.8 21.4 32.2

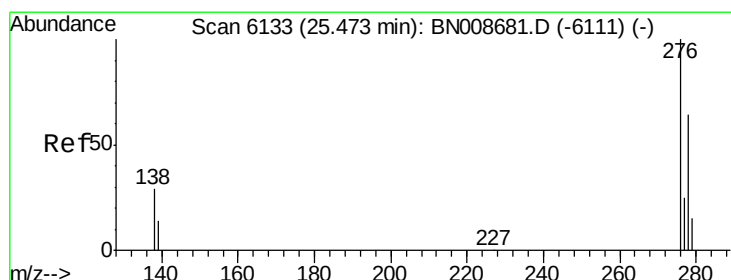
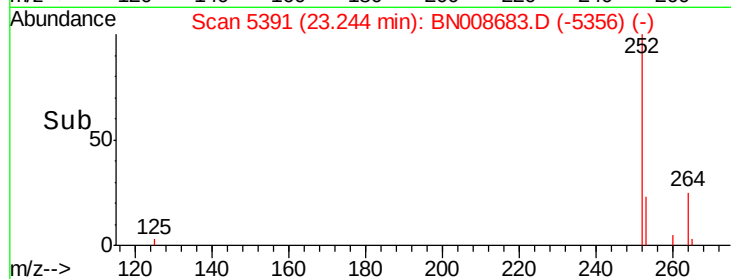
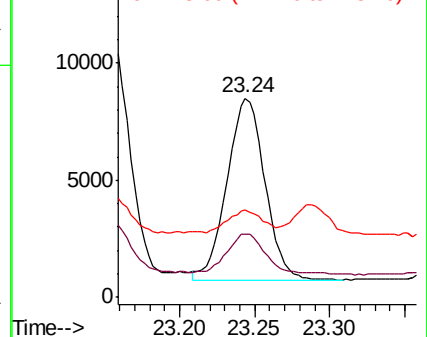
125 43.9 13.8 20.8#



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: 0.234 ng/ul

RT: 25.48 min Scan# 6134

Delta R.T. 0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

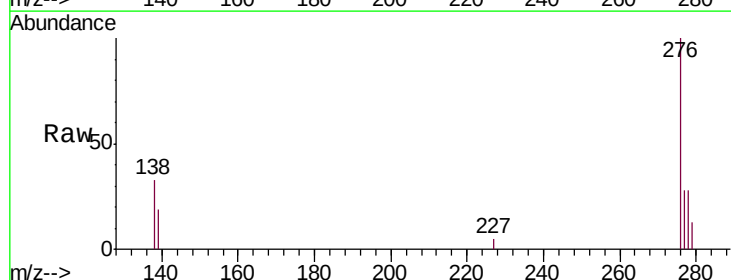
Tgt Ion:276 Resp: 13031

Ion Ratio Lower Upper

276 100

138 27.0 21.7 32.5

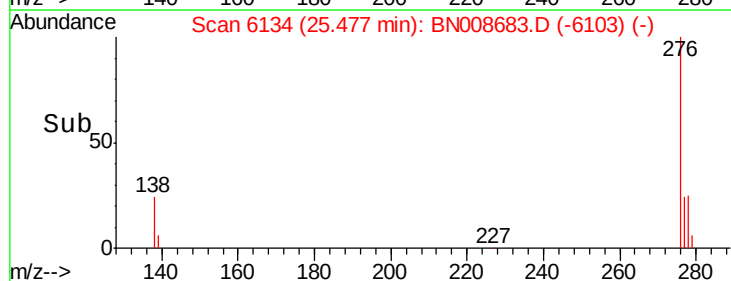
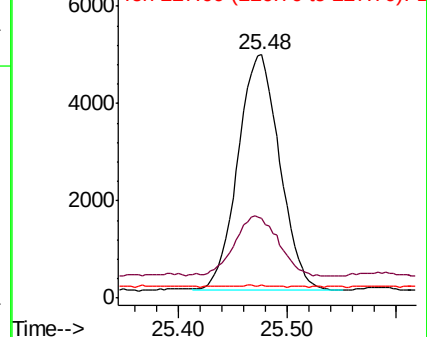
227 0.2 0.2 0.2

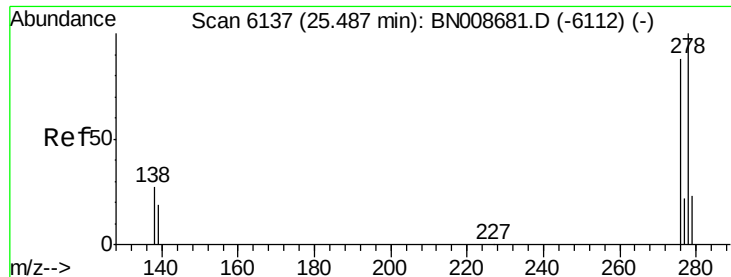


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.091 ng/ul

RT: 25.48 min Scan# 6136

Delta R.T. -0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

Instrument :

BNA_N

ClientSampleId :

C0AA6DL

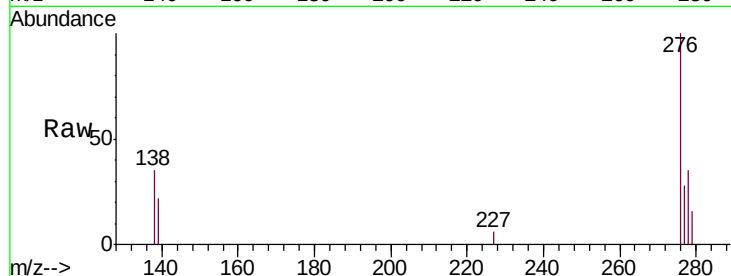
Tgt Ion: 278 Resp: 4084

Ion Ratio Lower Upper

278 100

139 62.9 18.7 28.1#

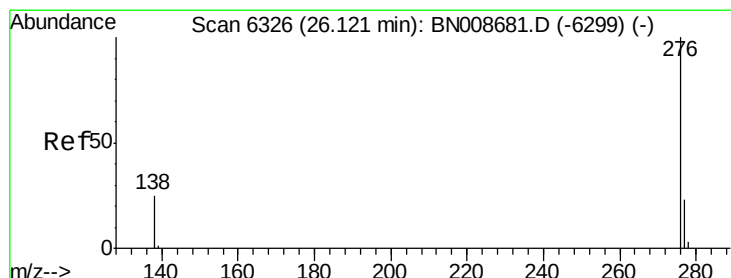
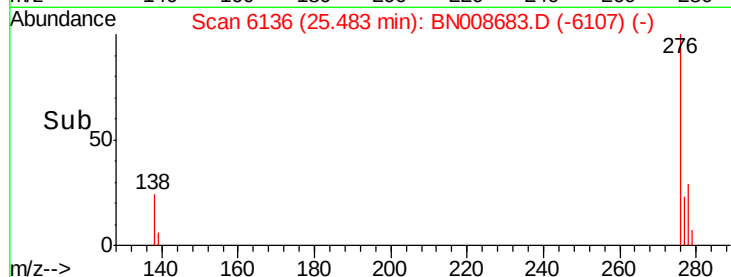
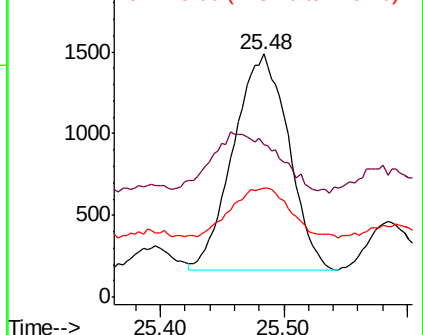
279 44.6 20.8 31.2#



Abundance Ion 278.00 (277.70 to 278.70): E

2000 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: 0.300 ng/ul

RT: 26.12 min Scan# 6327

Delta R.T. 0.00 min

Lab File: BN008683.D

Acq: 21 Nov 2019 18:39

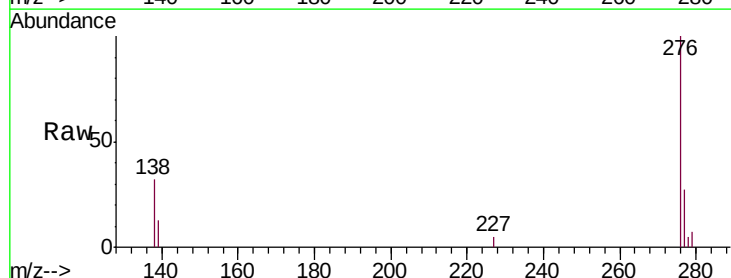
Tgt Ion: 276 Resp: 13938

Ion Ratio Lower Upper

276 100

138 31.9 20.0 30.0#

277 27.4 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

