

Data File : BN008701.D
Acq On : 22 Nov 2019 06:40
Operator : JU
Sample : K5854-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC2

Quant Time: Nov 22 07:17:16 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 07:12:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4257	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	15678	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	9143	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	17702	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13915	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	14558	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	4062	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	9853	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	55986	1.185	ng/ul	98
5) 2-Methylnaphthalene	12.03	142	37199	1.127	ng/ul	100
7) Acenaphthylene	13.95	152	15590	0.308	ng/ul	97
8) Acenaphthene	14.29	153	6122	0.163	ng/ul	98
9) Fluorene	15.28	166	9293	0.211	ng/ul#	90
12) Phenanthrene	17.02	178	108215	1.813	ng/ul	98
13) Anthracene	17.11	178	33711	0.598	ng/ul	98
15) Fluoranthene	19.04	202	213391	2.909	ng/ul	94
17) Pyrene	19.40	202	213100	3.817	ng/ul	96
18) Benzo(a)anthracene	21.16	228	117318	2.096	ng/ul	96
19) Chrysene	21.16	228	117318	2.135	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	216397	3.605	ng/ul	89
22) Benzo(k)fluoranthene	22.70	252	216397	3.635	ng/ul#	91
23) Benzo(a)pyrene	23.25	252	104535	1.855	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.47	276	68843	1.045	ng/ul	97
25) Dibenzo(a,h)anthracene	25.49	278	17031	0.320	ng/ul#	43
26) Benzo(g,h,i)perylene	26.12	276	65083	1.181	ng/ul#	94

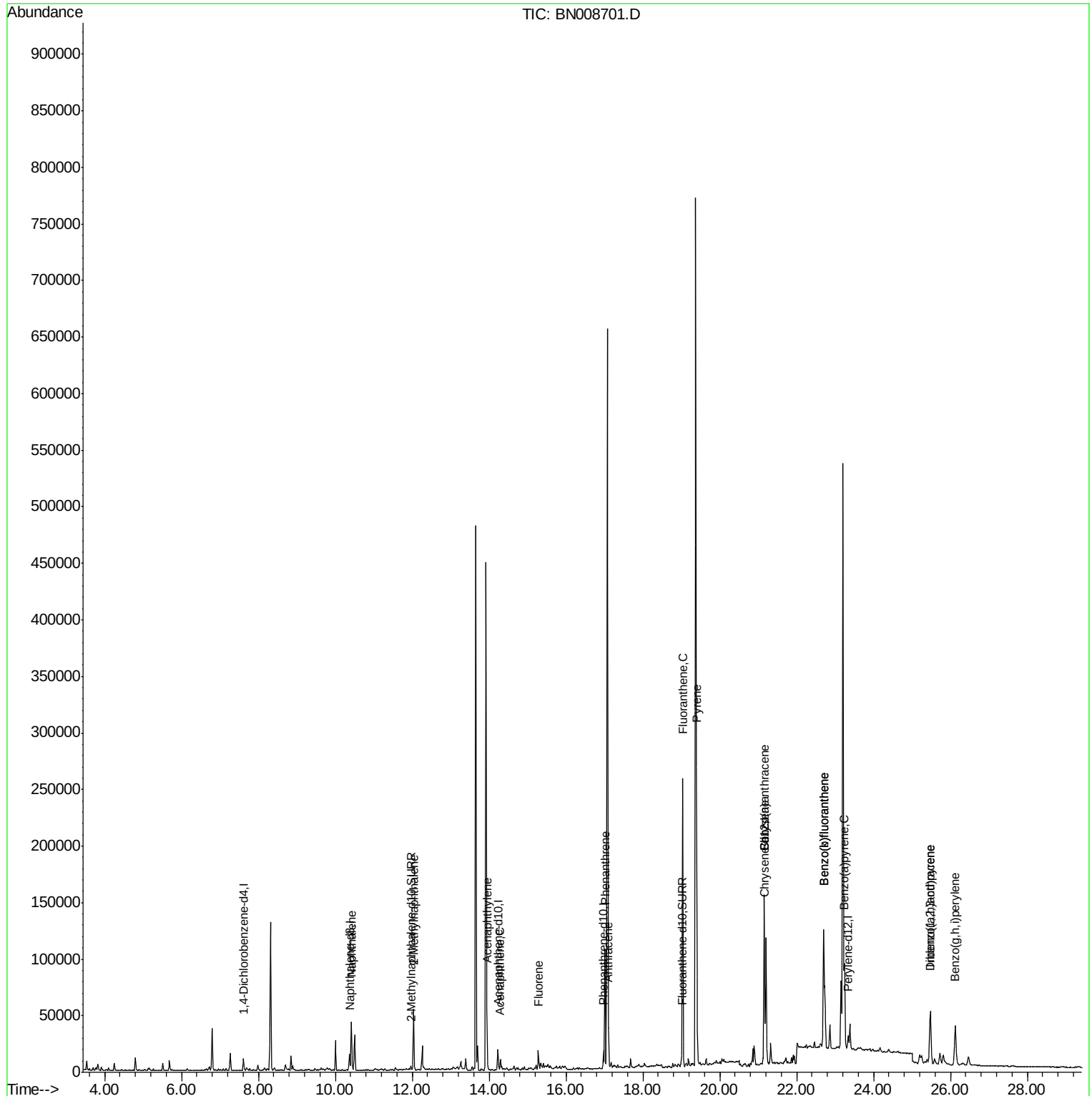
(#) = qualifier out of range (m) = manual integration (+) = signals summed

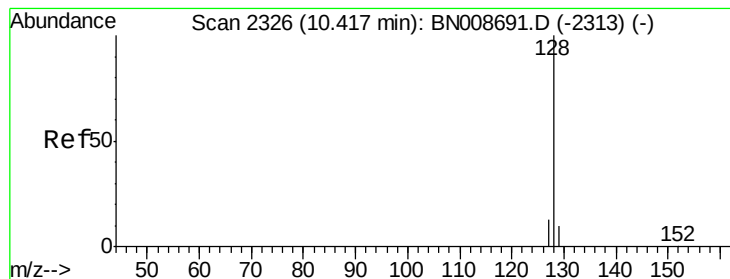
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#3

Naphthalene

Concen: 1.185 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

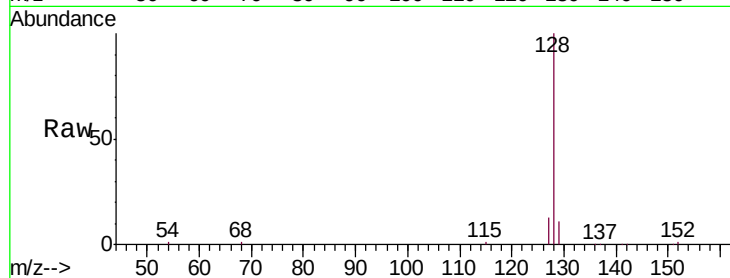
Tgt Ion:128 Resp: 55986

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

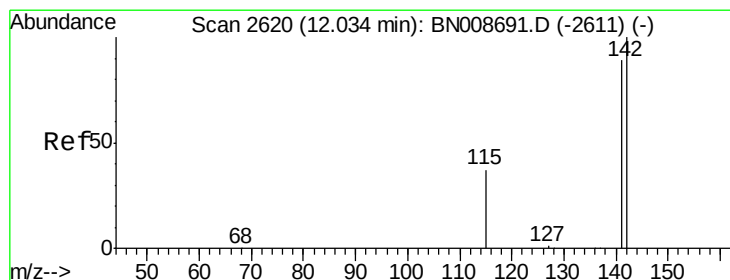
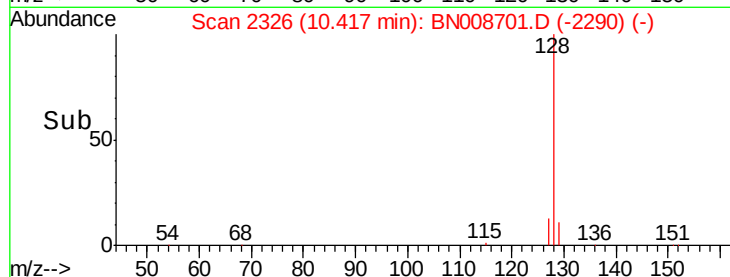
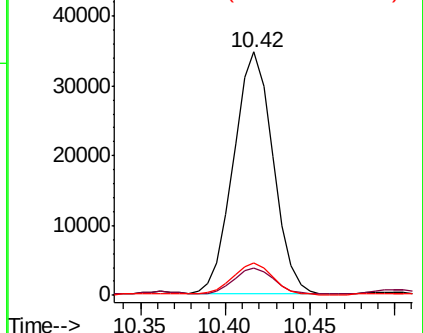
127 13.2 10.8 16.2



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: 1.127 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BN008701.D

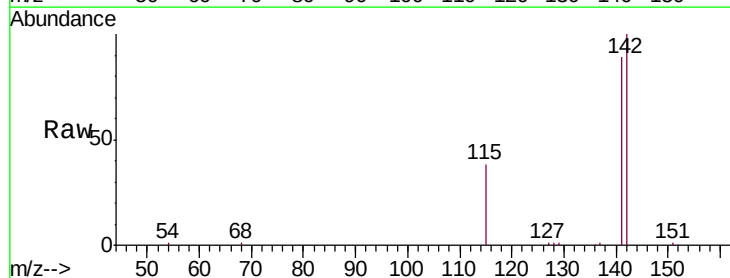
Acq: 22 Nov 2019 06:40

Tgt Ion:142 Resp: 37199

Ion Ratio Lower Upper

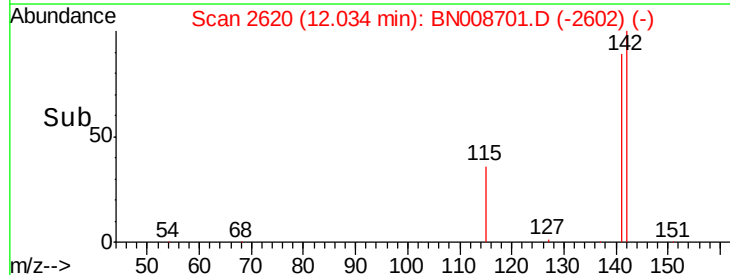
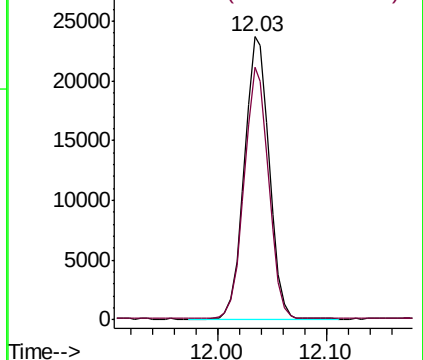
142 100

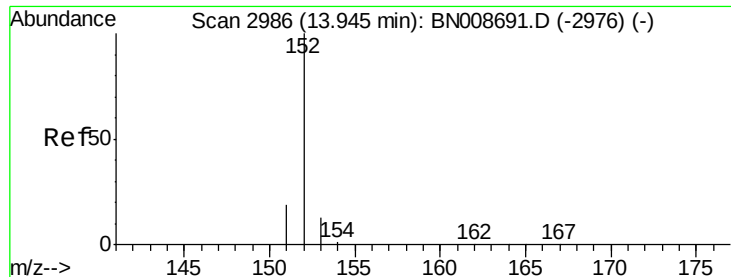
141 88.2 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.308 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

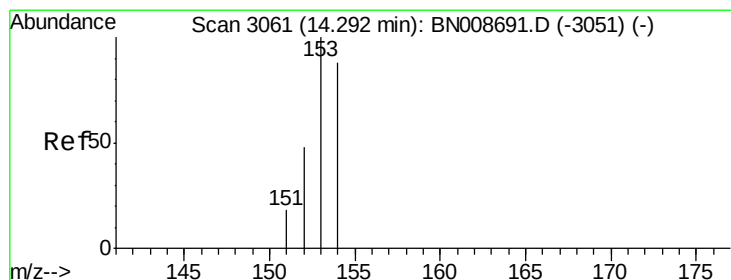
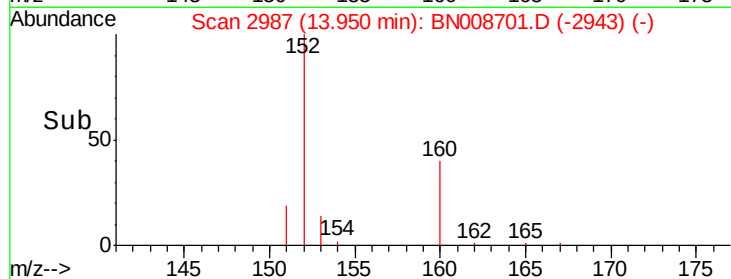
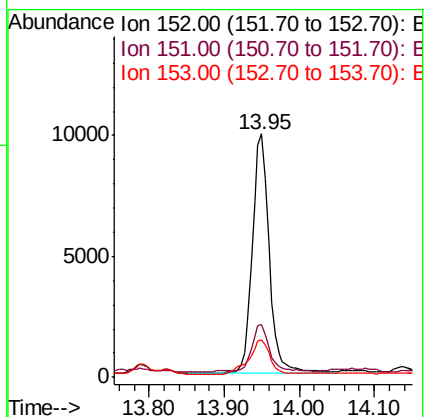
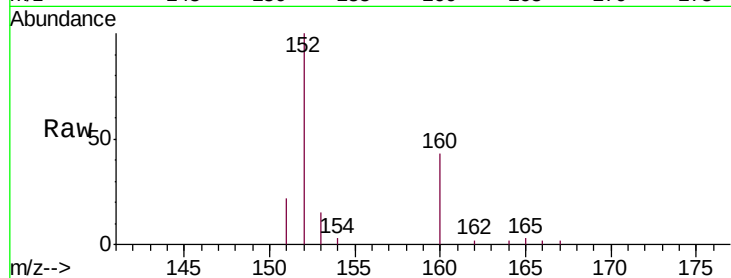
Tgt Ion:152 Resp: 15590

Ion Ratio Lower Upper

152 100

151 21.7 16.6 24.8

153 15.4 11.1 16.7



#8

Acenaphthene

Concen: 0.163 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

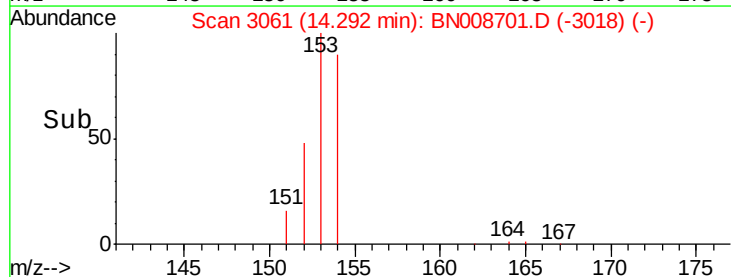
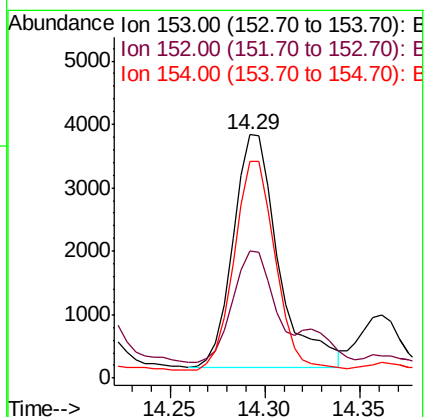
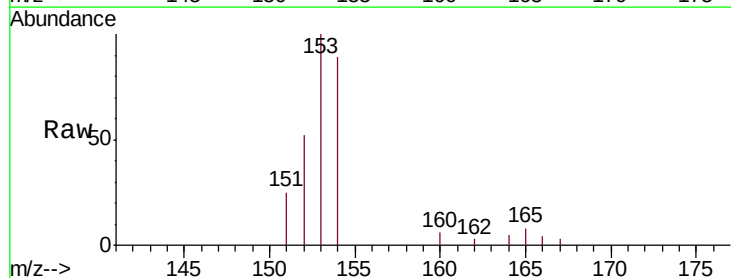
Tgt Ion:153 Resp: 6122

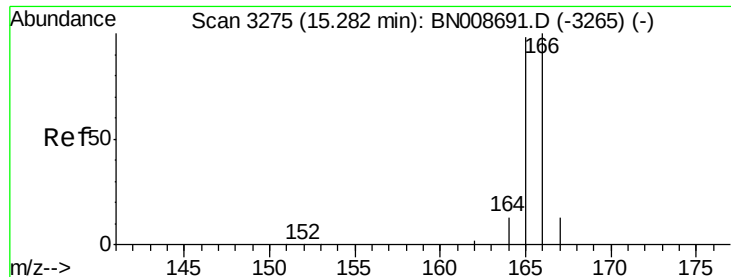
Ion Ratio Lower Upper

153 100

152 52.0 39.6 59.4

154 89.0 70.6 106.0

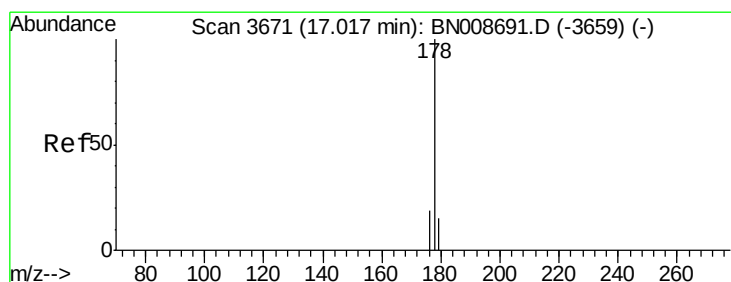
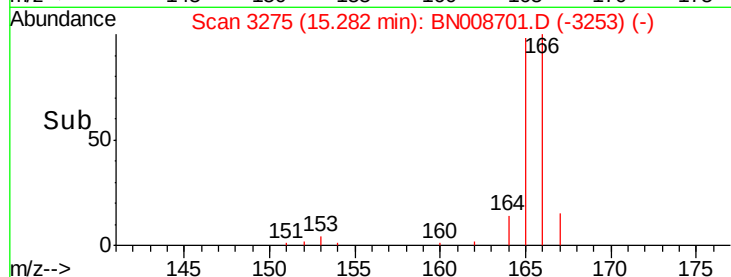
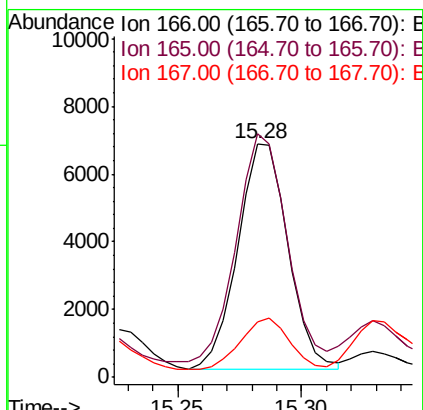
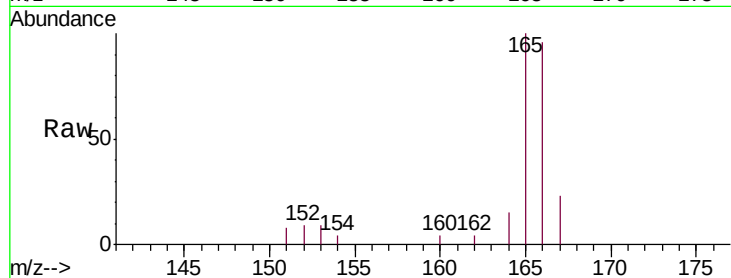




#9
Fluorene
 Concen: 0.211 ng/ul
 RT: 15.28 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: BN008701.D
 Acq: 22 Nov 2019 06:40

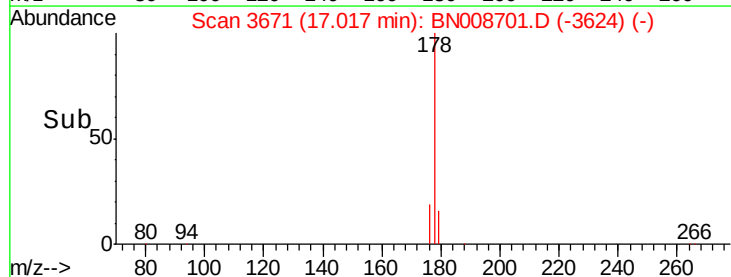
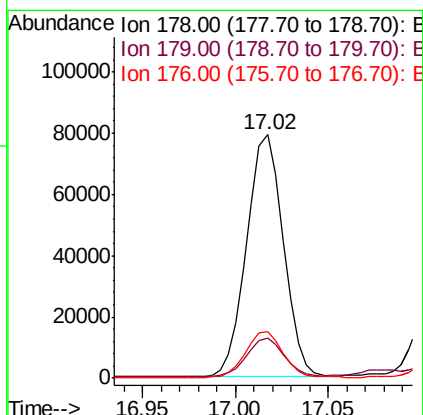
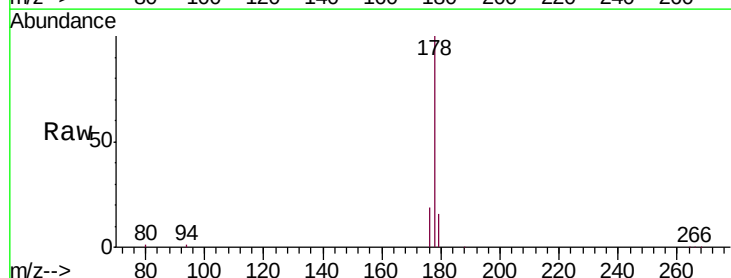
Instrument :
 BNA_N
 ClientSampleId :
 C0AC2

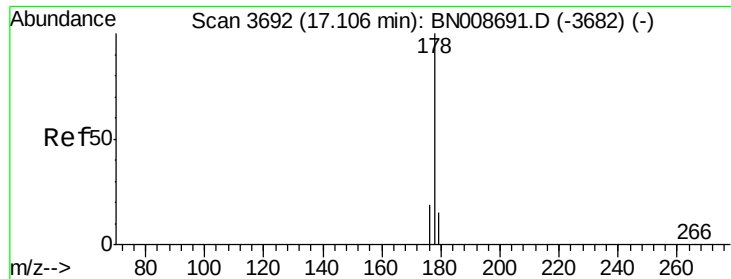
Tgt Ion:166 Resp: 9293
 Ion Ratio Lower Upper
 166 100
 165 104.2 77.4 116.0
 167 23.5 11.4 17.0#



#12
Phenanthrene
 Concen: 1.813 ng/ul
 RT: 17.02 min Scan# 3671
 Delta R.T. 0.00 min
 Lab File: BN008701.D
 Acq: 22 Nov 2019 06:40

Tgt Ion:178 Resp: 108215
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.8 19.2
 176 18.9 16.0 24.0





#13

Anthracene

Concen: 0.598 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. 0.00 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

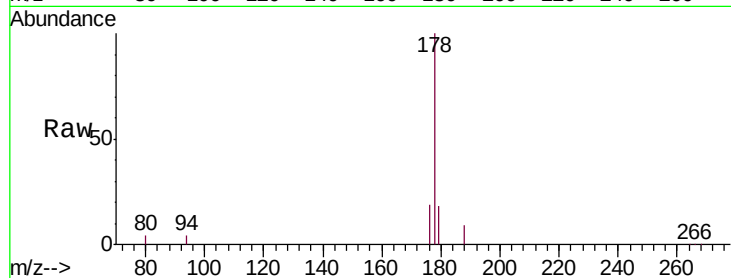
Tgt Ion:178 Resp: 33711

Ion Ratio Lower Upper

178 100

179 17.8 13.0 19.4

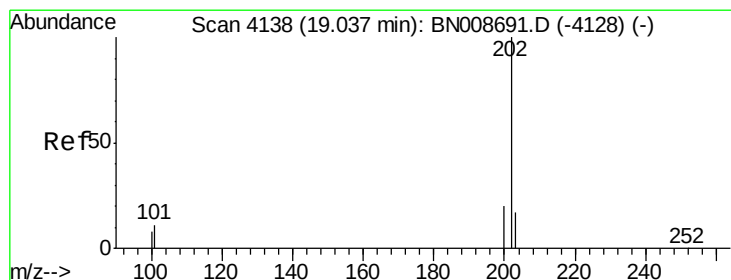
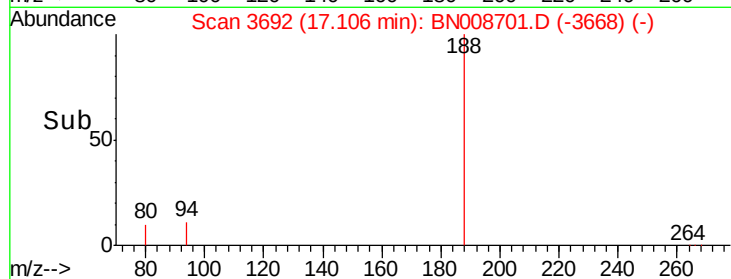
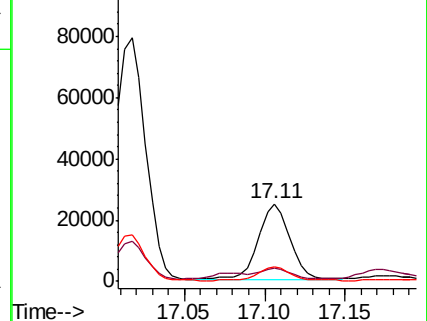
176 18.8 15.3 22.9



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



#15

Fluoranthene

Concen: 2.909 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. 0.00 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

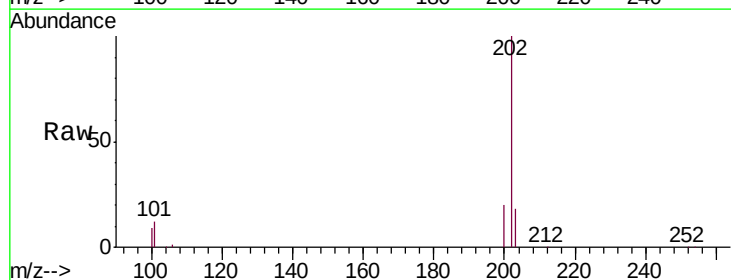
Tgt Ion:202 Resp: 213391

Ion Ratio Lower Upper

202 100

101 12.1 0.0 29.6

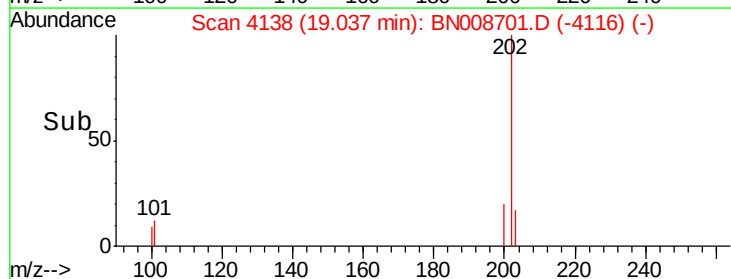
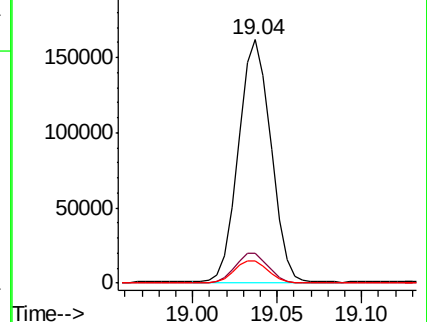
100 9.1 0.0 27.0

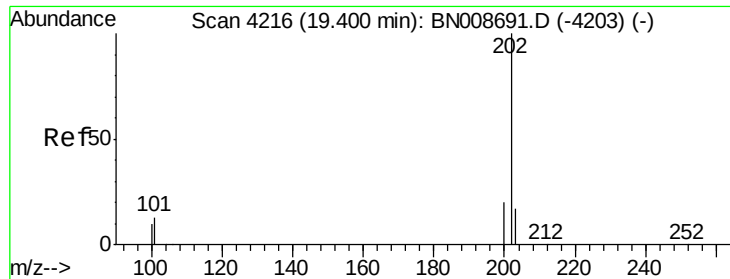


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

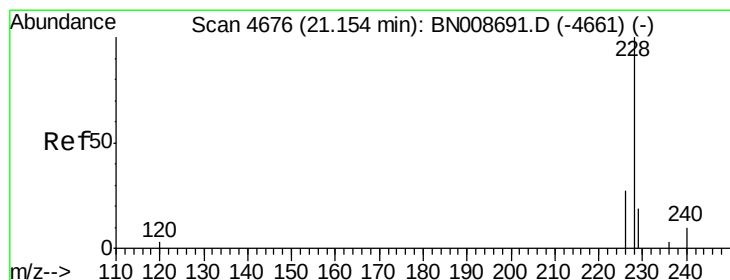
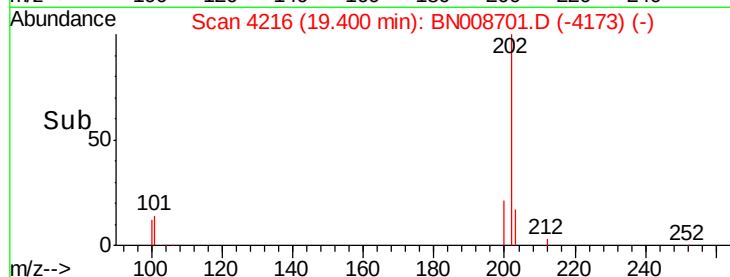
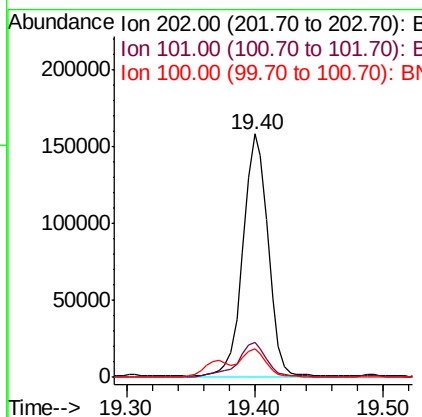
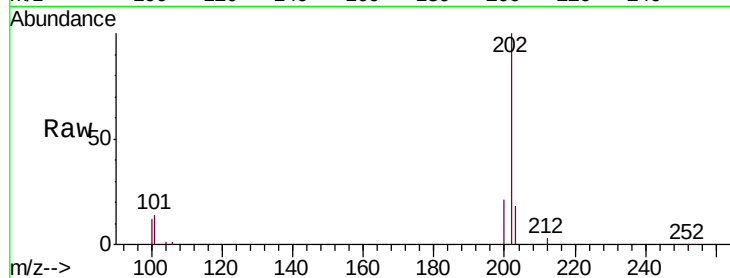




#17
 Pyrene
 Concen: 3.817 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. 0.00 min
 Lab File: BN008701.D
 Acq: 22 Nov 2019 06:40

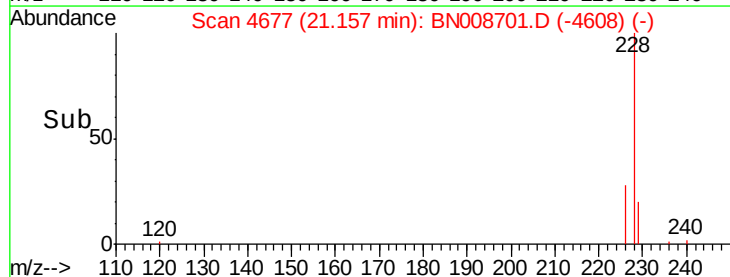
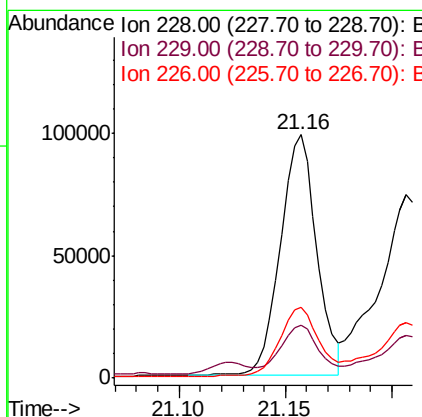
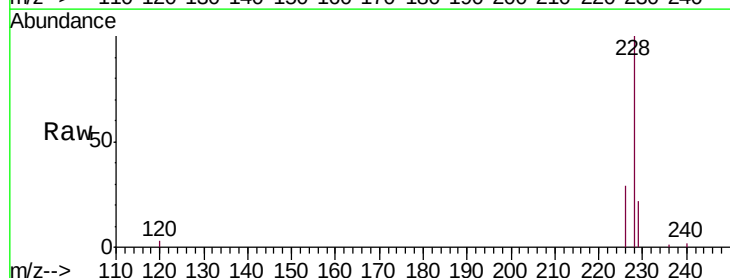
Instrument :
 BNA_N
 ClientSampleId :
 C0AC2

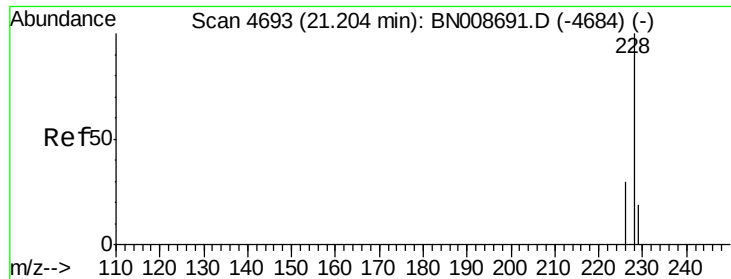
Tgt Ion:202 Resp: 213100
 Ion Ratio Lower Upper
 202 100
 101 14.5 10.2 15.2
 100 11.7 8.2 12.2



#18
 Benzo(a)anthracene
 Concen: 2.096 ng/ul
 RT: 21.16 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: BN008701.D
 Acq: 22 Nov 2019 06:40

Tgt Ion:228 Resp: 117318
 Ion Ratio Lower Upper
 228 100
 229 21.8 15.8 23.6
 226 29.0 21.6 32.4





#19

Chrysene

Concen: 2.135 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.05 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

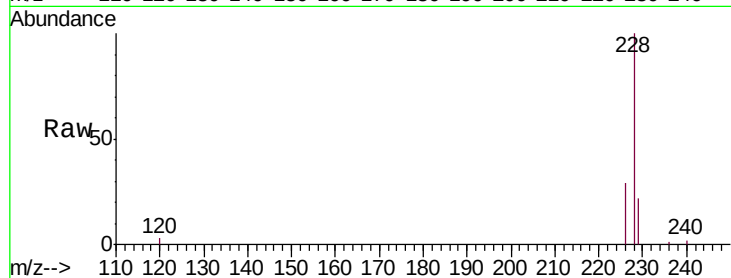
Tgt Ion:228 Resp: 117318

Ion Ratio Lower Upper

228 100

226 29.0 24.5 36.7

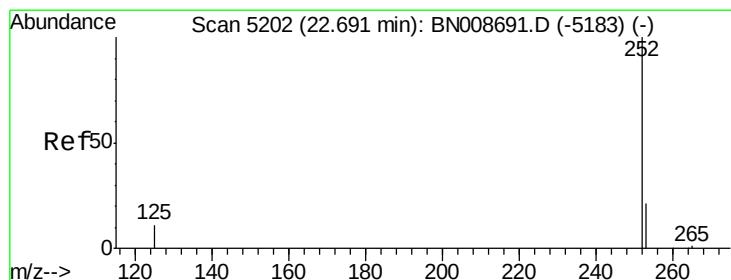
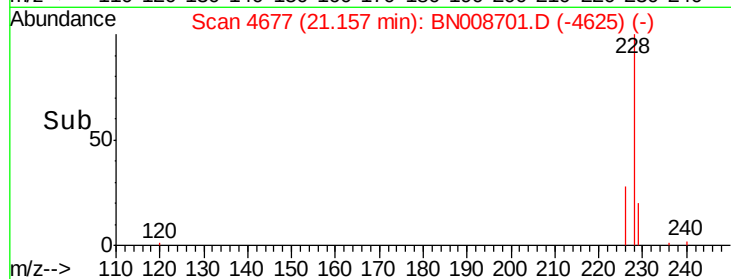
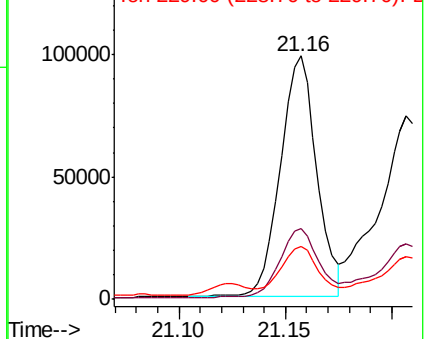
229 21.8 15.5 23.3



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: 3.605 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. 0.01 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

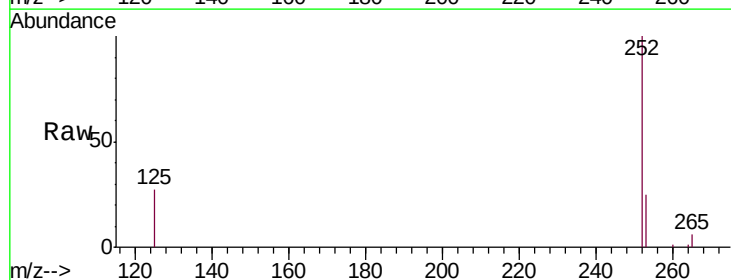
Tgt Ion:252 Resp: 216397

Ion Ratio Lower Upper

252 100

253 24.9 0.0 50.2

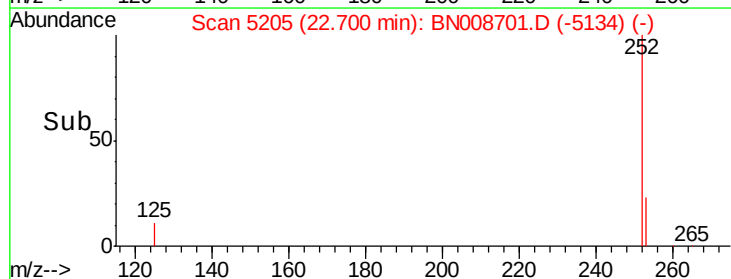
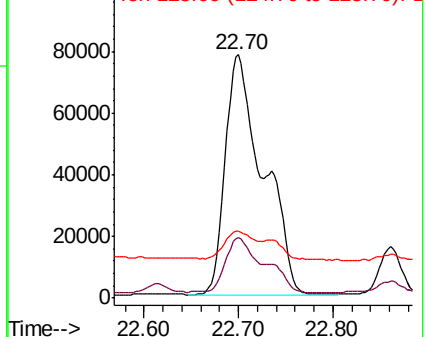
125 27.3 0.0 30.0

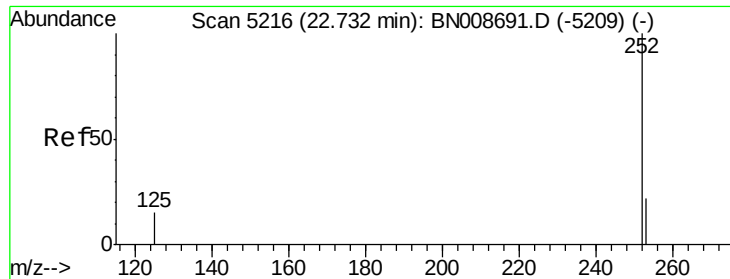


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.635 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.03 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

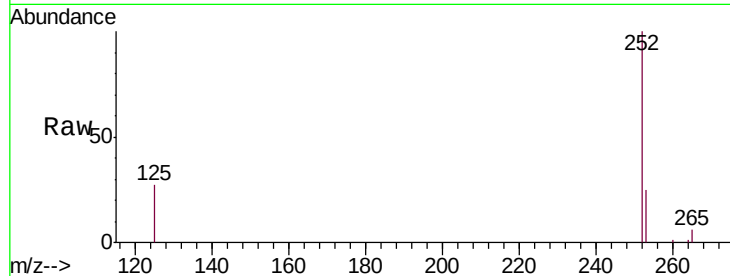
Tgt Ion:252 Resp: 216397

Ion Ratio Lower Upper

252 100

253 24.9 20.5 30.7

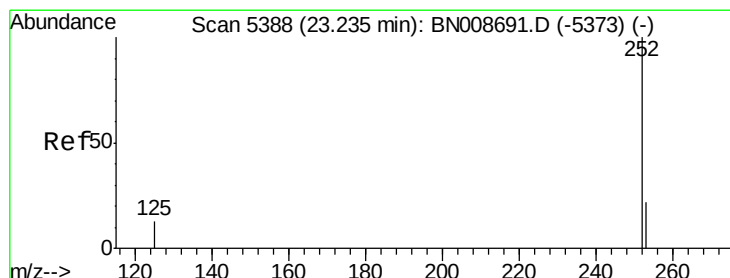
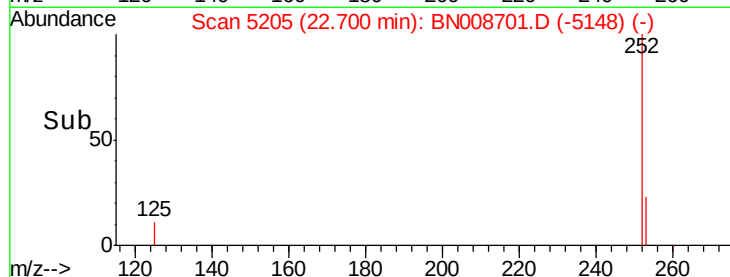
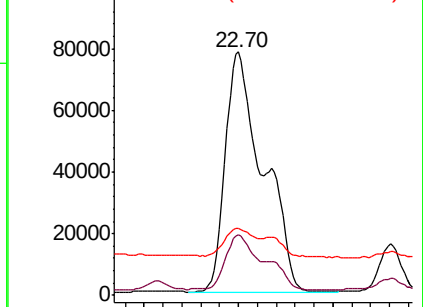
125 27.3 15.0 22.4#



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: 1.855 ng/ul

RT: 23.25 min Scan# 5392

Delta R.T. 0.01 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

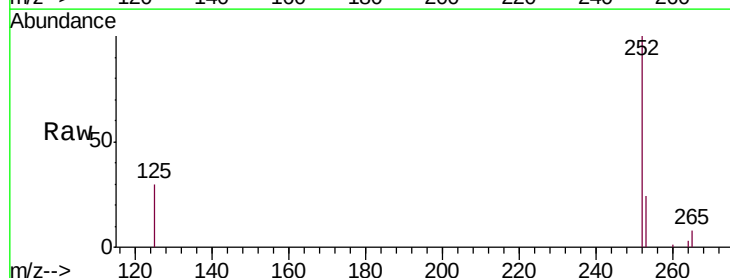
Tgt Ion:252 Resp: 104535

Ion Ratio Lower Upper

252 100

253 24.4 21.4 32.2

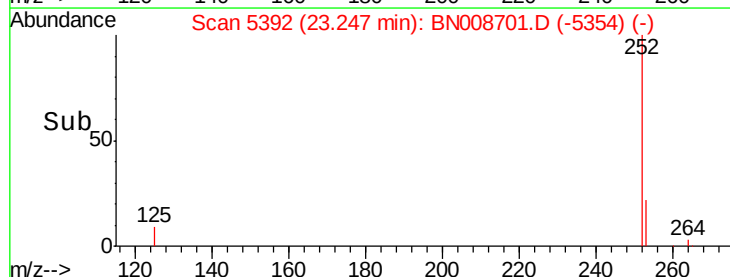
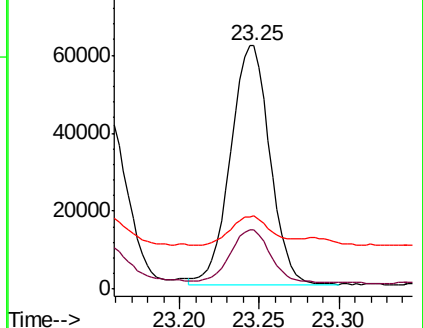
125 30.0 13.8 20.8#

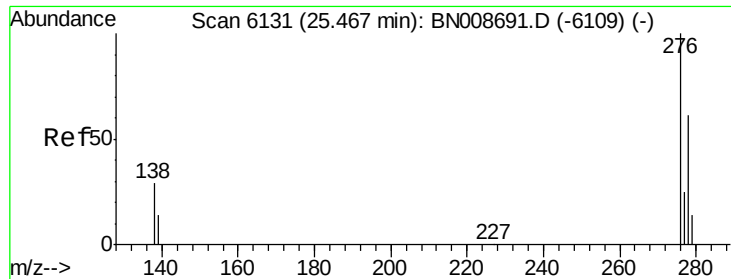


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.045 ng/ul

RT: 25.47 min Scan# 6133

Delta R.T. 0.01 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

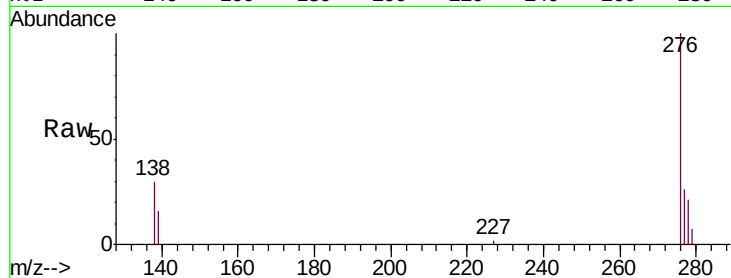
Tgt Ion:276 Resp: 68843

Ion Ratio Lower Upper

276 100

138 25.4 21.7 32.5

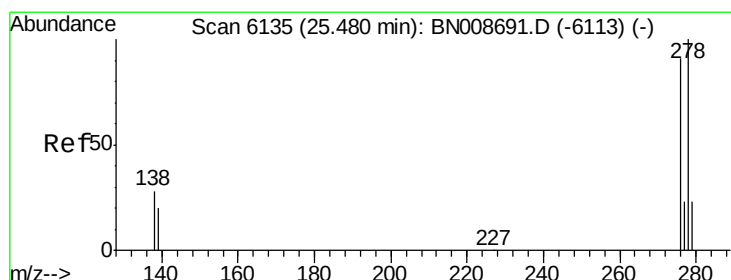
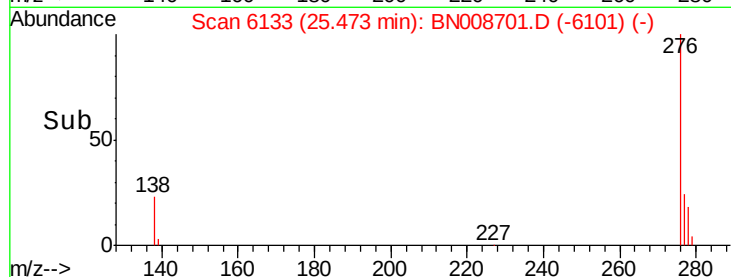
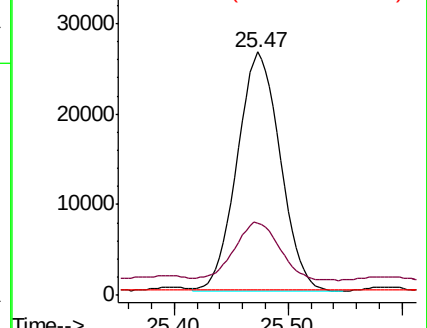
227 0.2 0.2 0.2



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: 0.320 ng/ul

RT: 25.49 min Scan# 6137

Delta R.T. 0.01 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

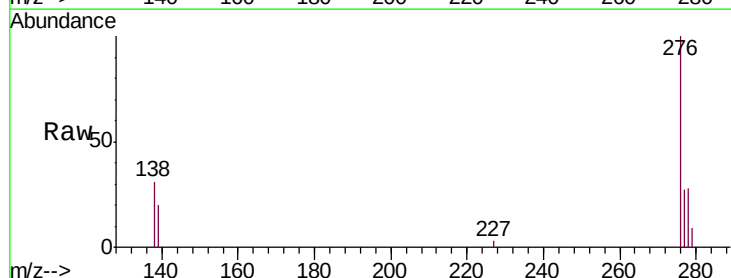
Tgt Ion:278 Resp: 17031

Ion Ratio Lower Upper

278 100

139 73.2 18.7 28.1#

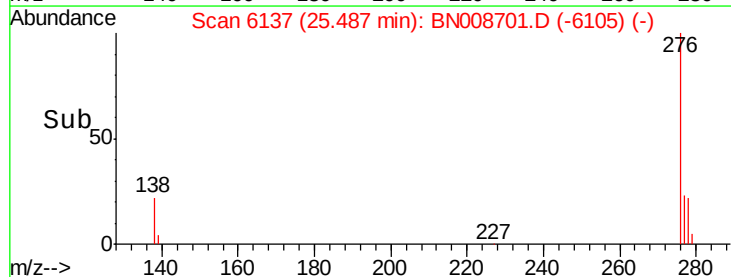
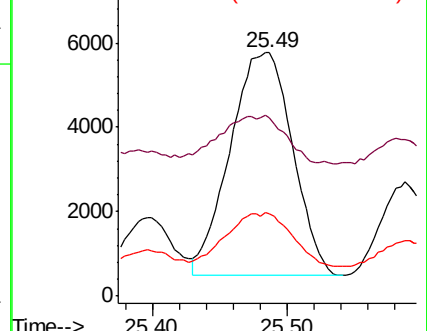
279 34.0 20.8 31.2#

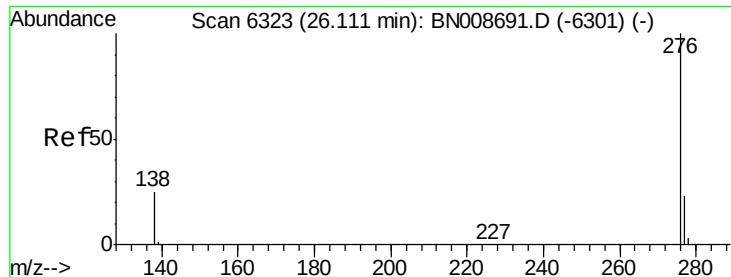


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.181 ng/ul

RT: 26.12 min Scan# 6327

Delta R.T. 0.01 min

Lab File: BN008701.D

Acq: 22 Nov 2019 06:40

Instrument :

BNA_N

ClientSampleId :

C0AC2

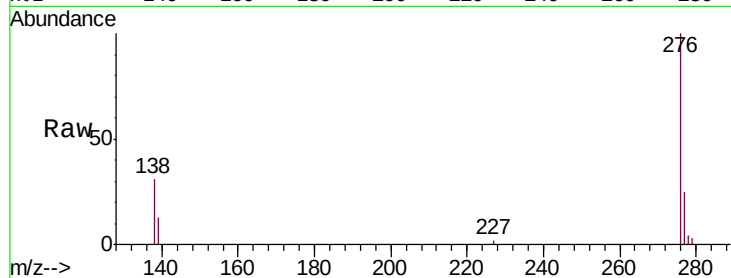
Tgt Ion: 276 Resp: 65083

Ion Ratio Lower Upper

276 100

138 30.6 20.0 30.0#

277 25.3 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

