

Data File : BN008697.D
Acq On : 22 Nov 2019 04:15
Operator : JU
Sample : K5854-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AD2

Quant Time: Nov 22 07:16:30 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	4062	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	15106	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	8740	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	17414	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13555	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	14303	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	3788	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	9489	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	20360	0.447	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	23461	0.738	ng/ul	100
7) Acenaphthylene	13.95	152	3802	0.079	ng/ul#	88
8) Acenaphthene	14.30	153	21135	0.589	ng/ul	97
9) Fluorene	15.29	166	27719	0.658	ng/ul	99
12) Phenanthrene	17.02	178	405509	6.905	ng/ul	98
13) Anthracene	17.11	178	104570	1.884	ng/ul	99
15) Fluoranthene	19.04	202	577564	8.005	ng/ul	93
17) Pyrene	19.40	202	472334	8.686	ng/ul	98
18) Benzo(a)anthracene	21.16	228	246259	4.518	ng/ul	98
19) Chrysene	21.21	228	216504	4.044	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	361858	6.135	ng/ul	98
22) Benzo(k)fluoranthene	22.70	252	361567	6.181	ng/ul	95
23) Benzo(a)pyrene	23.24	252	195968	3.540	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.47	276	123931	1.914	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.48	278	30792	0.589	ng/ul#	84
26) Benzo(g,h,i)perylene	26.12	276	116109	2.144	ng/ul	98

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

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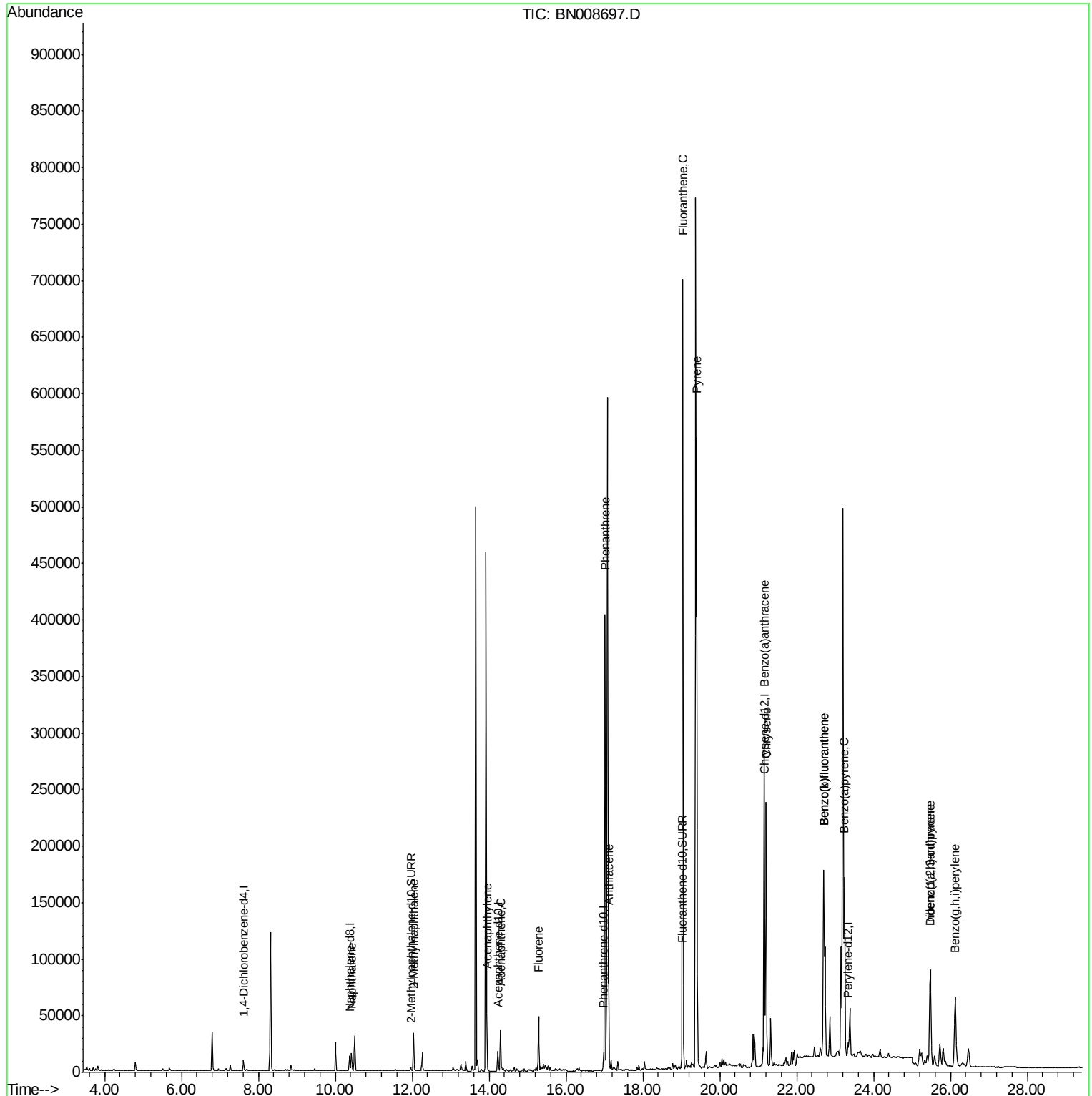
Quant Time: Nov 22 07:16:30 2019

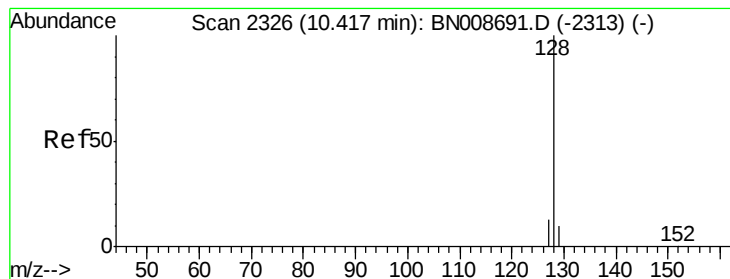
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 22 07:12:34 2019

Response via : Initial Calibration





#3

Naphthalene

Concen: 0.447 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

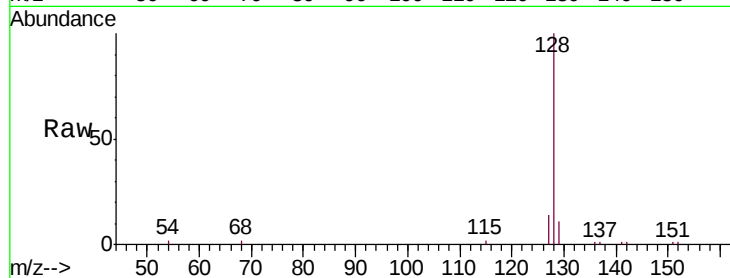
Tgt Ion:128 Resp: 20360

Ion Ratio Lower Upper

128 100

129 11.3 9.7 14.5

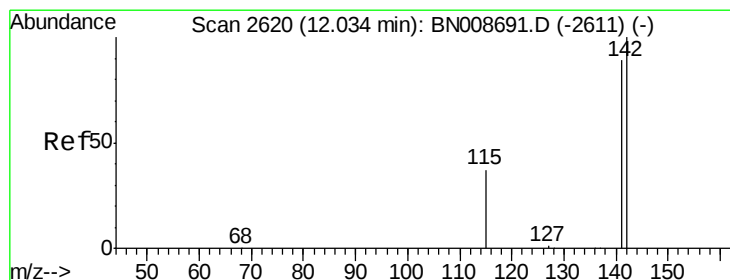
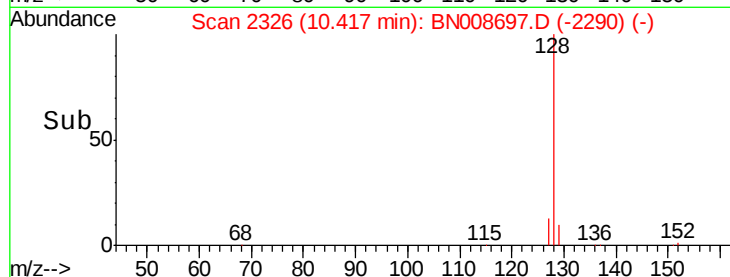
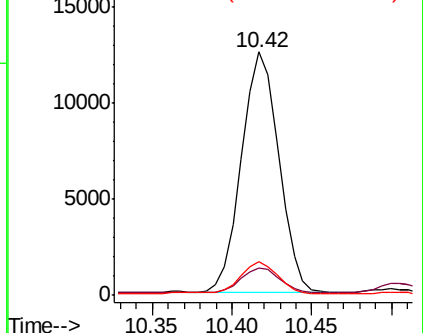
127 13.6 10.8 16.2



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: 0.738 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. 0.01 min

Lab File: BN008697.D

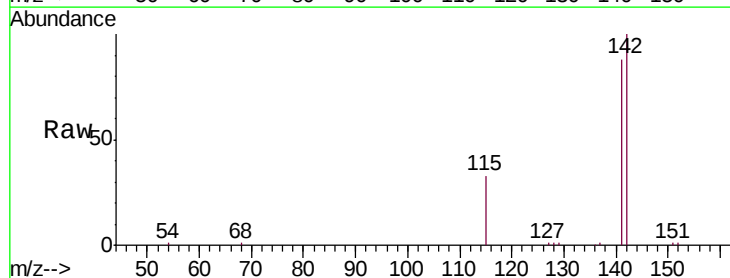
Acq: 22 Nov 2019 04:15

Tgt Ion:142 Resp: 23461

Ion Ratio Lower Upper

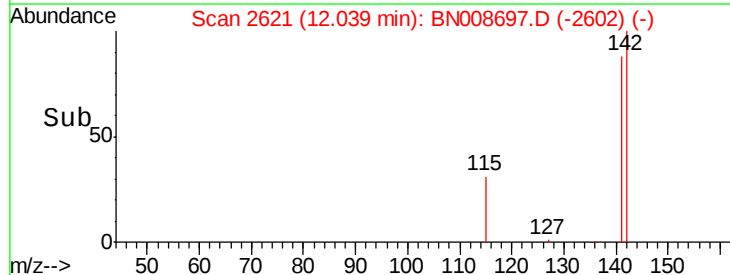
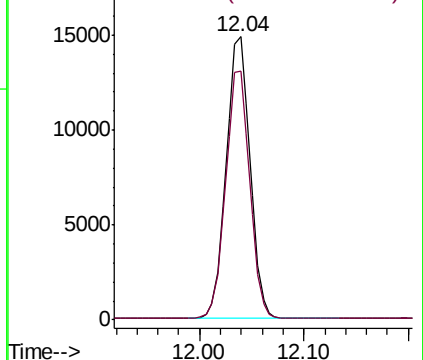
142 100

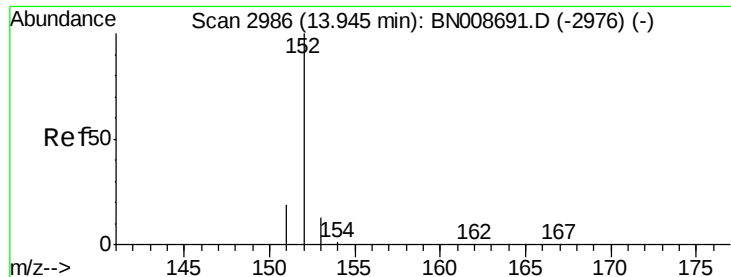
141 88.6 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.079 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

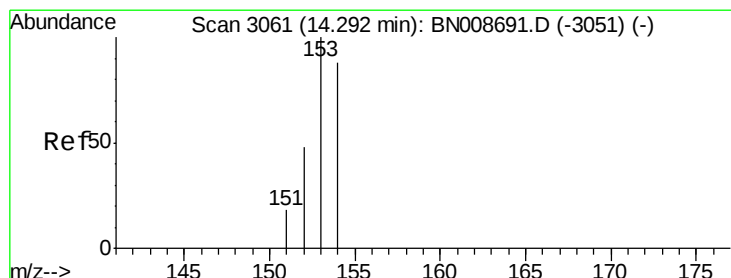
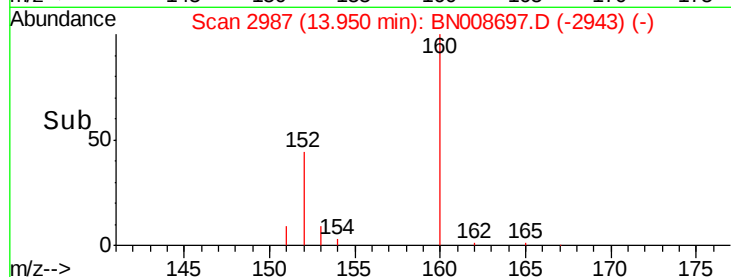
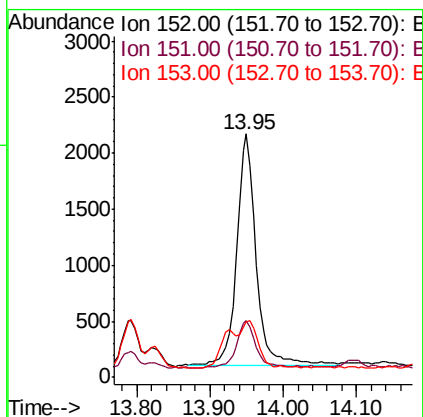
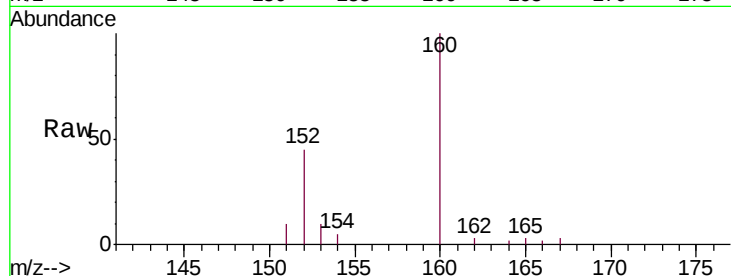
Tgt Ion:152 Resp: 3802

Ion Ratio Lower Upper

152 100

151 23.1 16.6 24.8

153 23.0 11.1 16.7#



#8

Acenaphthene

Concen: 0.589 ng/ul

RT: 14.30 min Scan# 3062

Delta R.T. 0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

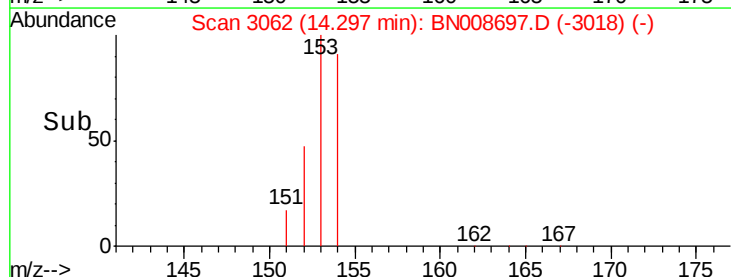
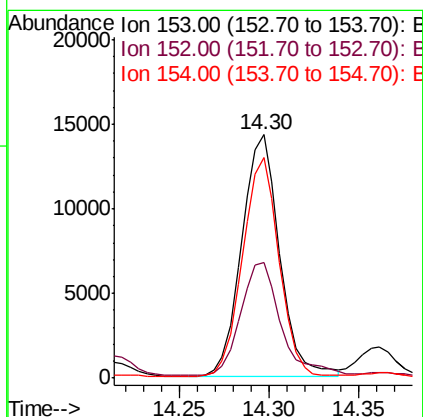
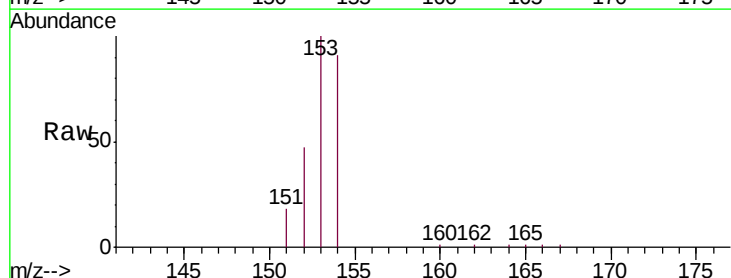
Tgt Ion:153 Resp: 21135

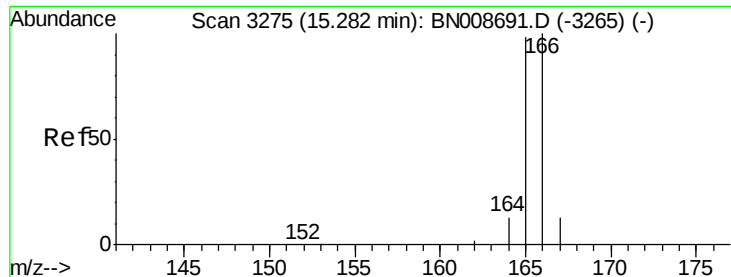
Ion Ratio Lower Upper

153 100

152 47.3 39.6 59.4

154 90.5 70.6 106.0





#9

Fluorene

Concen: 0.658 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

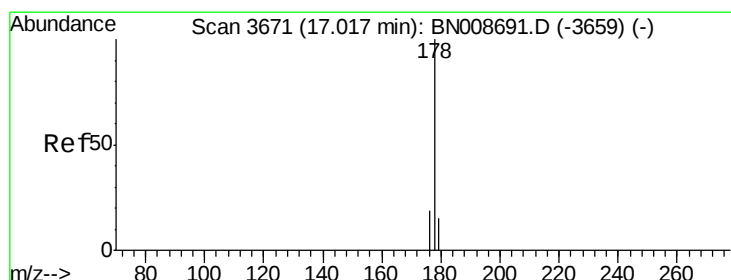
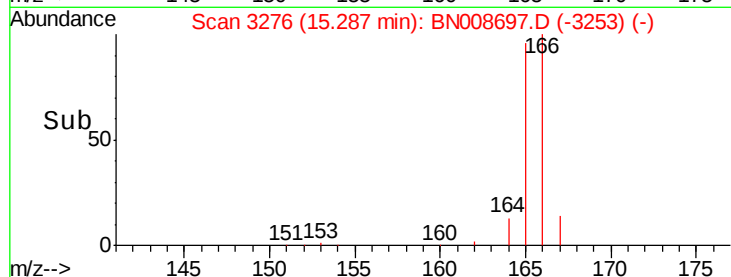
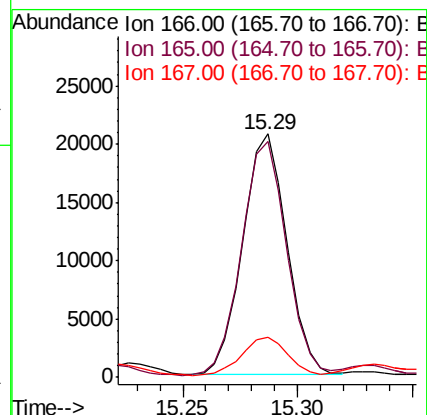
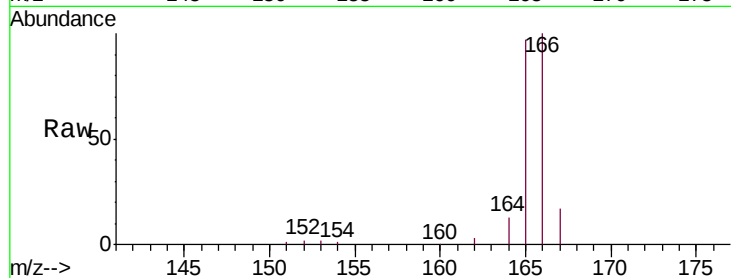
Tgt Ion:166 Resp: 27719

Ion Ratio Lower Upper

166 100

165 97.1 77.4 116.0

167 16.7 11.4 17.0



#12

Phenanthrene

Concen: 6.905 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

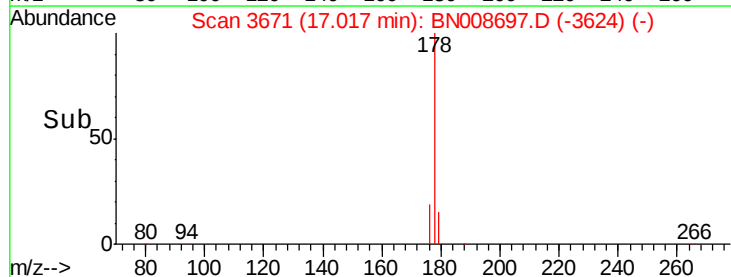
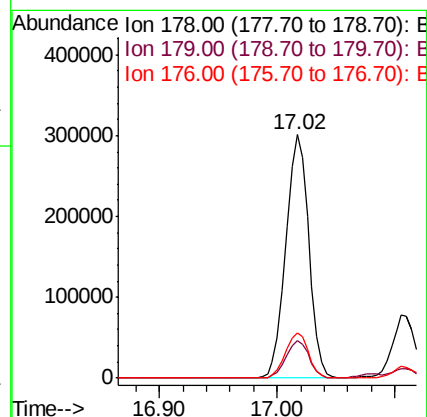
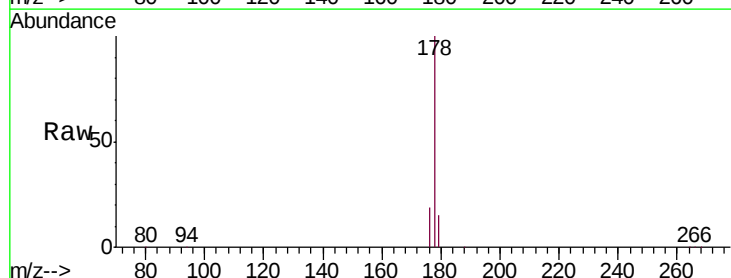
Tgt Ion:178 Resp: 405509

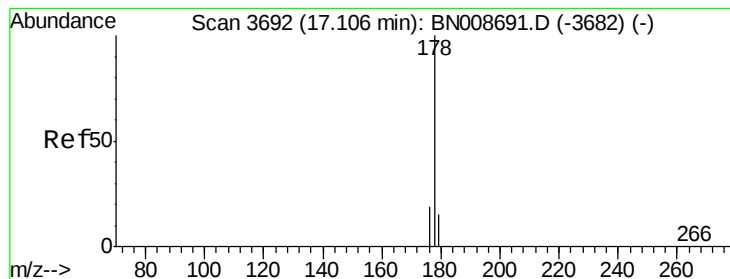
Ion Ratio Lower Upper

178 100

179 15.3 12.8 19.2

176 18.8 16.0 24.0





#13

Anthracene

Concen: 1.884 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

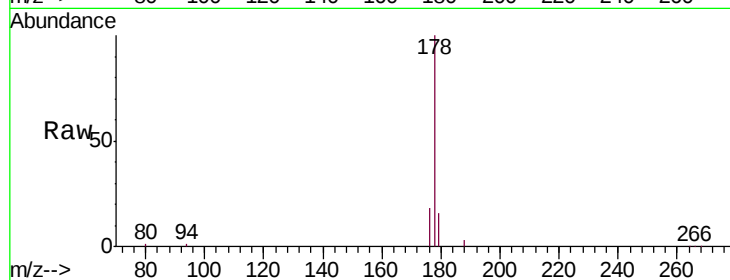
Tgt Ion:178 Resp: 104570

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.4

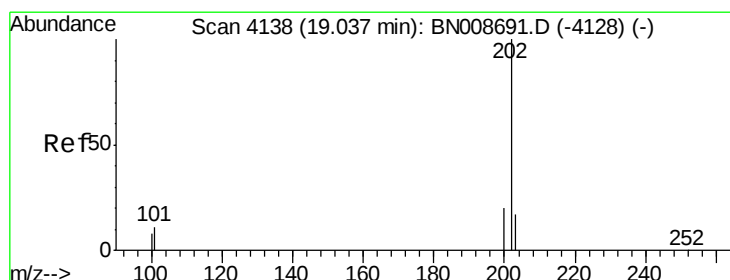
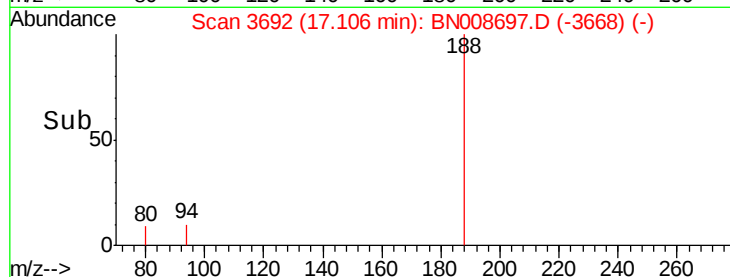
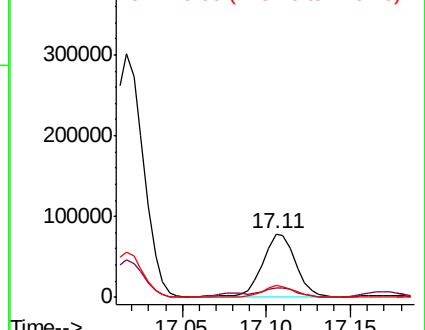
176 18.4 15.3 22.9



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: 8.005 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

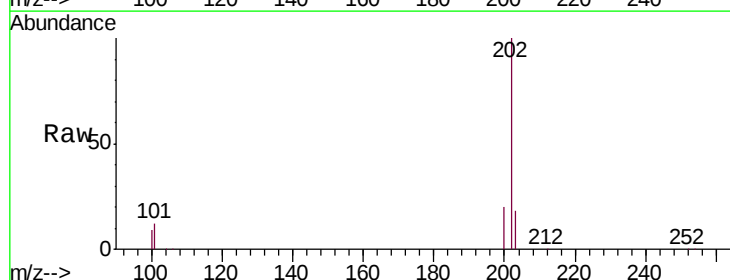
Tgt Ion:202 Resp: 577564

Ion Ratio Lower Upper

202 100

101 12.2 0.0 29.6

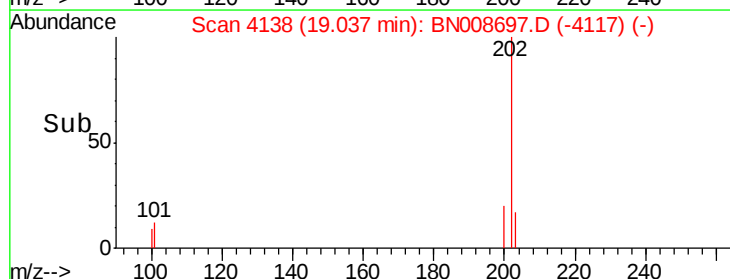
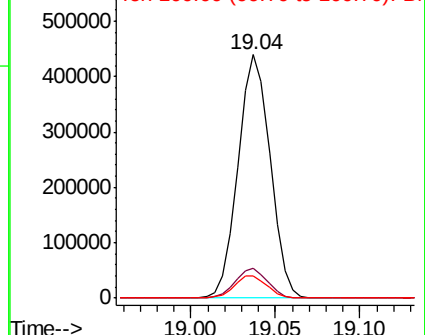
100 9.2 0.0 27.0

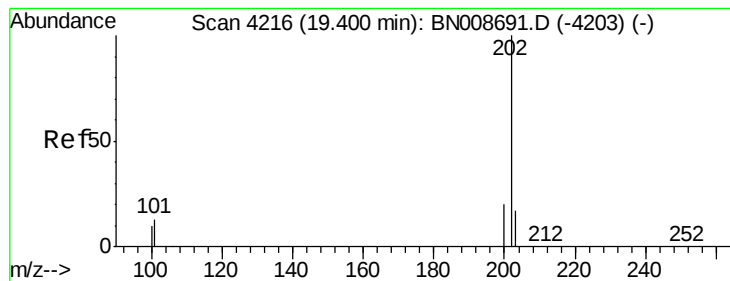


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 8.686 ng/ul

RT: 19.40 min Scan# 4217

Delta R.T. 0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

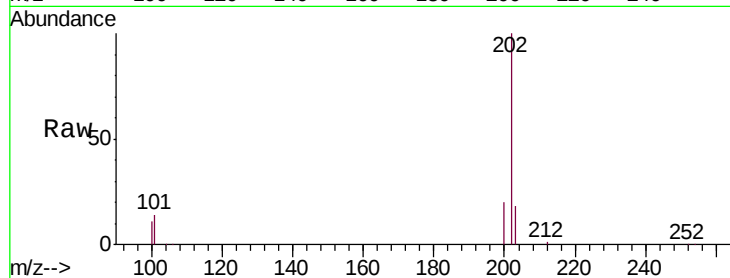
Tgt Ion:202 Resp: 472334

Ion Ratio Lower Upper

202 100

101 13.7 10.2 15.2

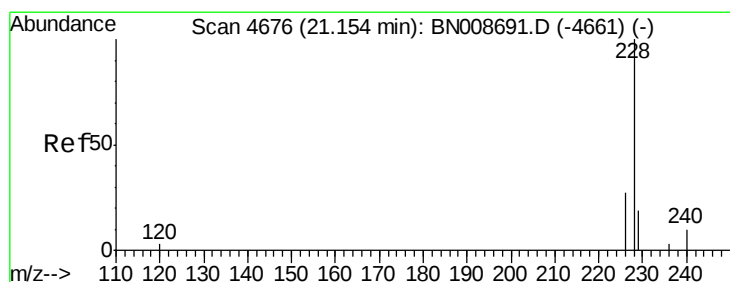
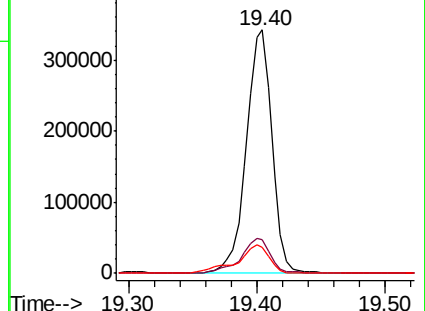
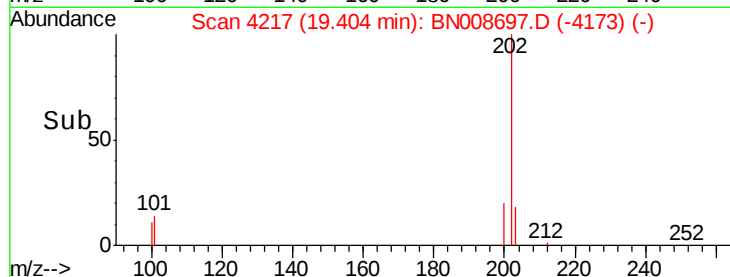
100 10.9 8.2 12.2



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: 4.518 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. 0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

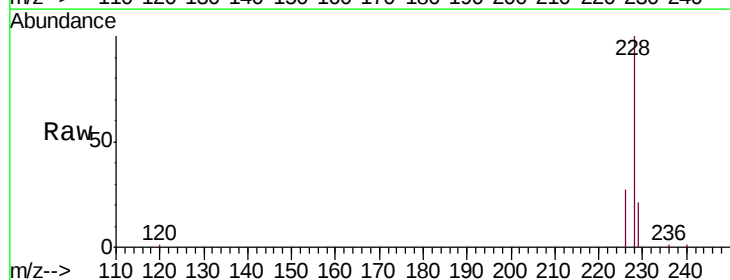
Tgt Ion:228 Resp: 246259

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.6

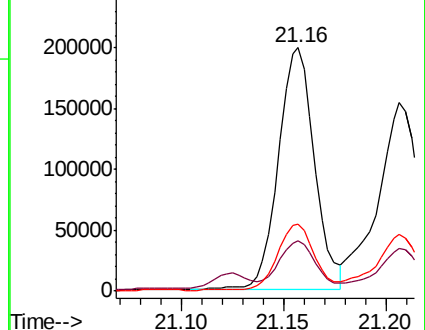
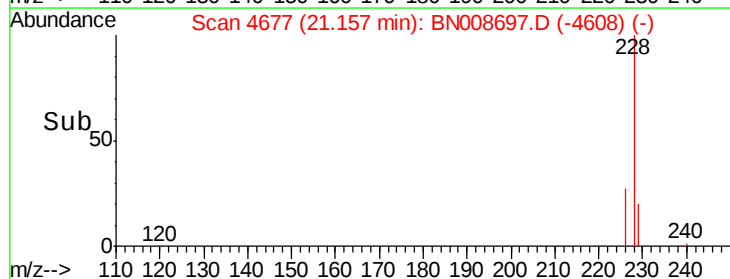
226 27.4 21.6 32.4

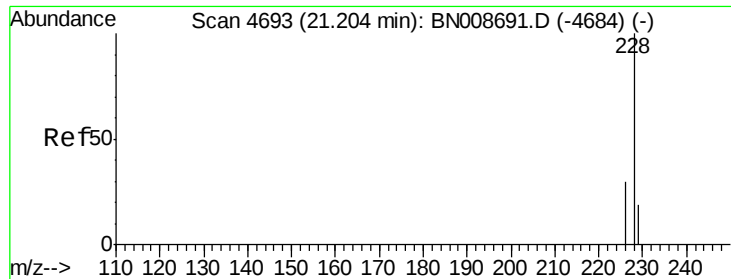


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 4.044 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. 0.00 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

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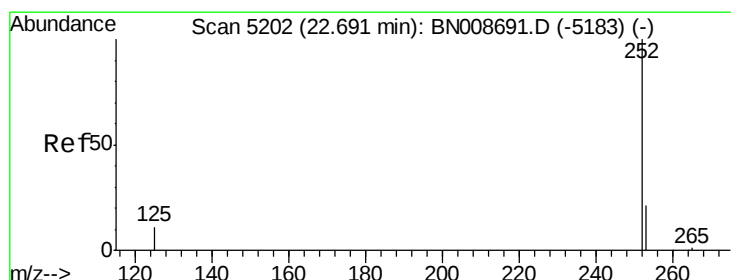
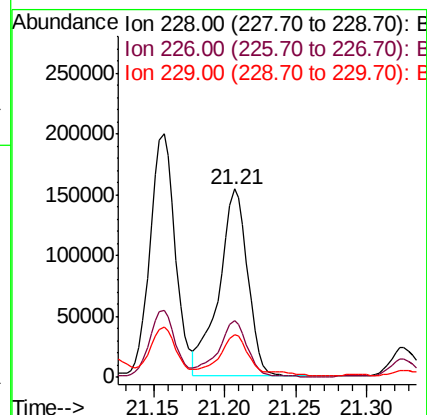
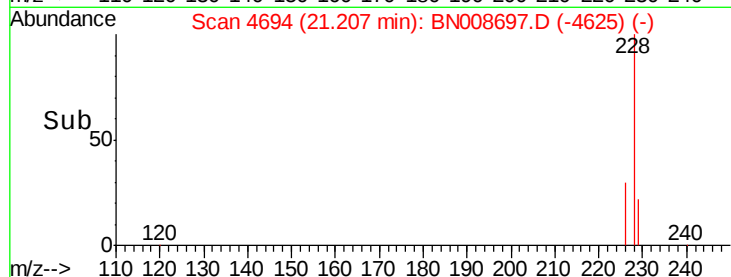
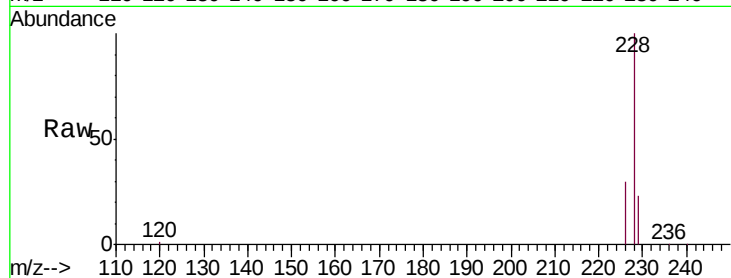
Tgt Ion:228 Resp: 216504

Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 22.9 15.5 23.3



#21

Benzo(b)fluoranthene

Concen: 6.135 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. 0.01 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

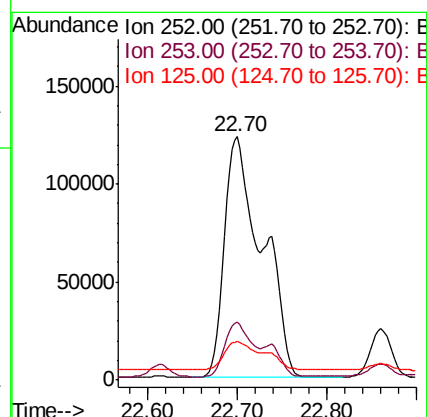
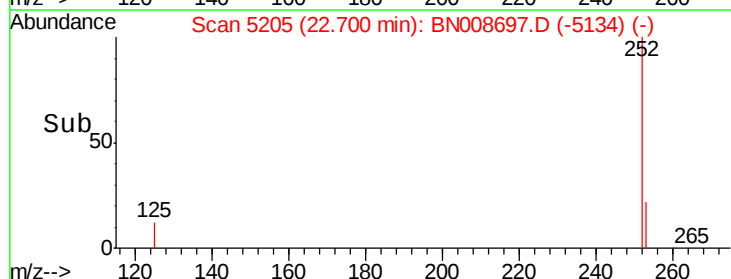
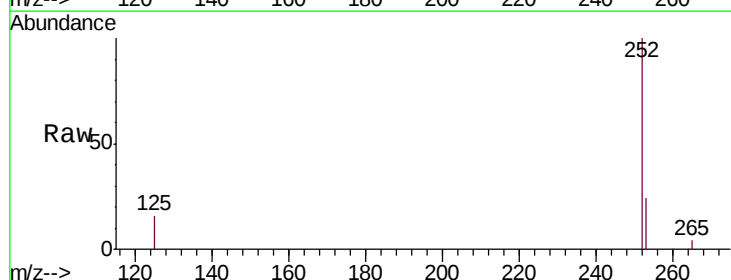
Tgt Ion:252 Resp: 361858

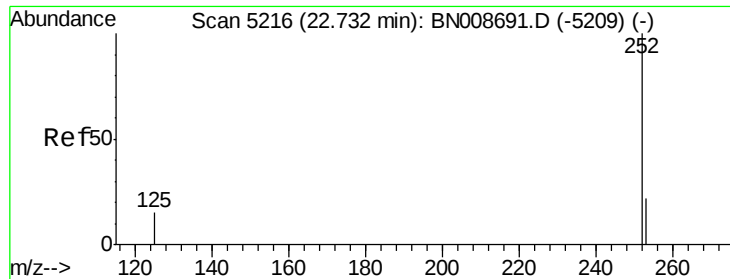
Ion Ratio Lower Upper

252 100

253 23.7 0.0 50.2

125 15.8 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 6.181 ng/u1

RT: 22.70 min Scan# 5205

Delta R.T. -0.03 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

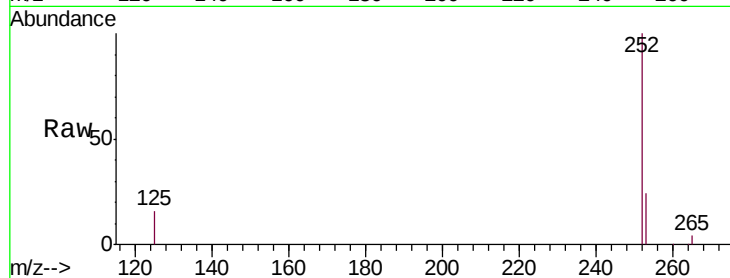
Tgt Ion:252 Resp: 361567

Ion Ratio Lower Upper

252 100

253 23.7 20.5 30.7

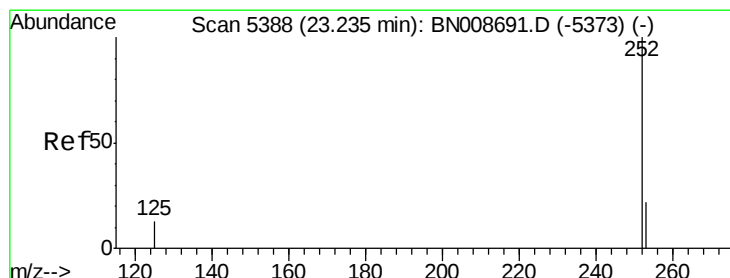
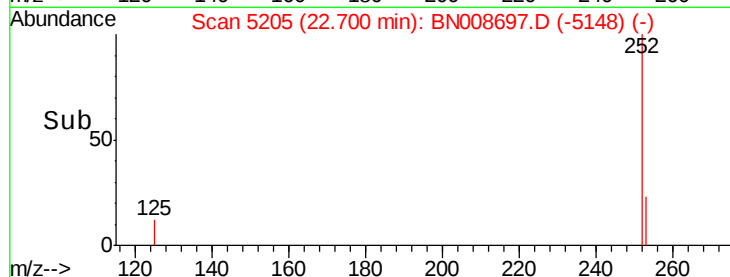
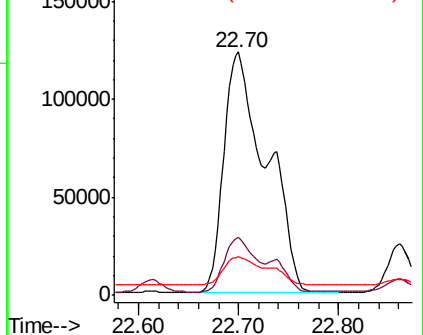
125 15.8 15.0 22.4



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: 3.540 ng/u1

RT: 23.24 min Scan# 5391

Delta R.T. 0.01 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

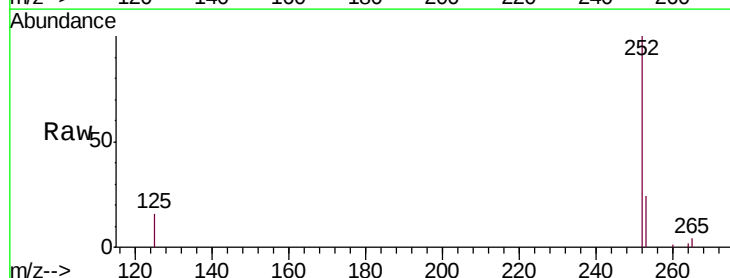
Tgt Ion:252 Resp: 195968

Ion Ratio Lower Upper

252 100

253 23.6 21.4 32.2

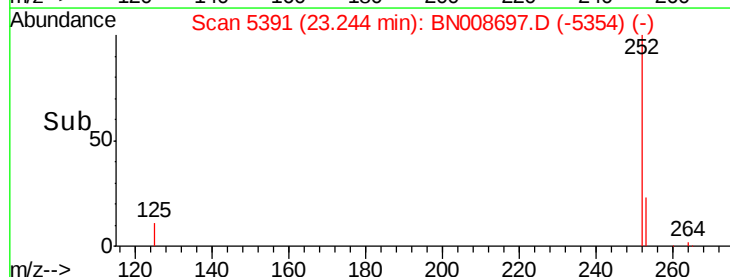
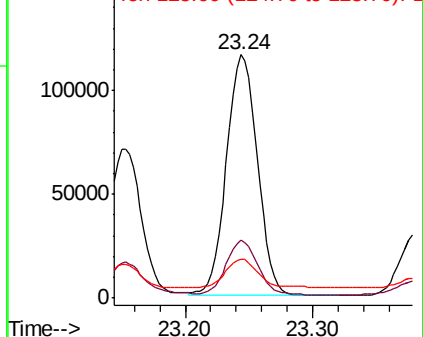
125 16.2 13.8 20.8

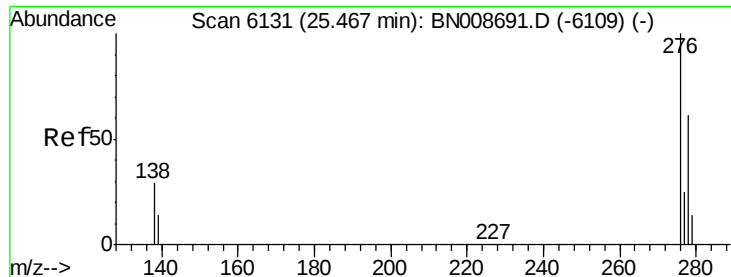


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



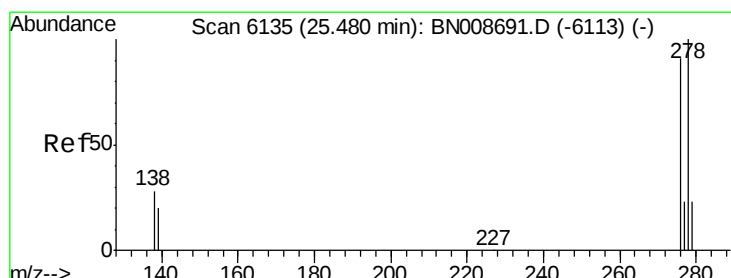
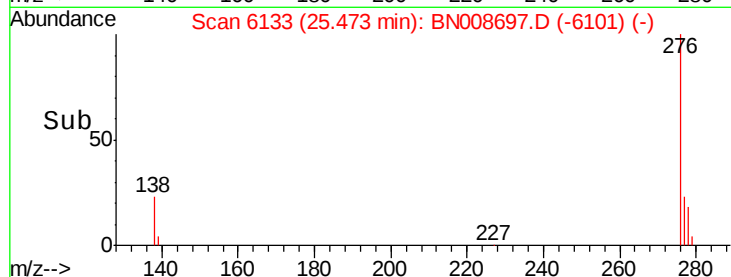
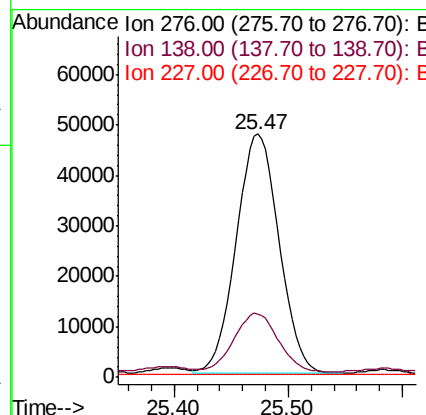
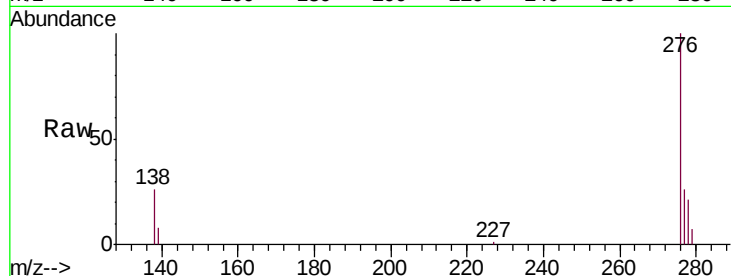


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.914 ng/ul
RT: 25.47 min Scan# 6133
Delta R.T. 0.01 min
Lab File: BN008697.D
Acq: 22 Nov 2019 04:15

Instrument :
BNA_N
ClientSampleId :
C0AD2

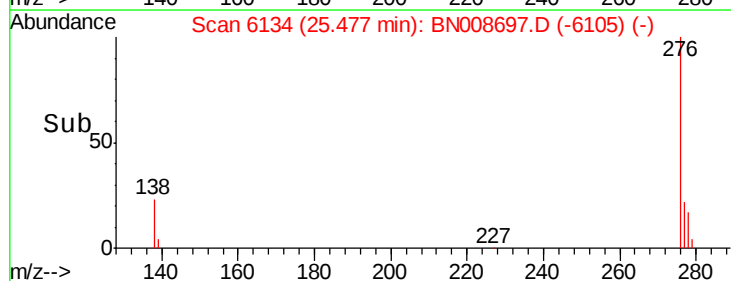
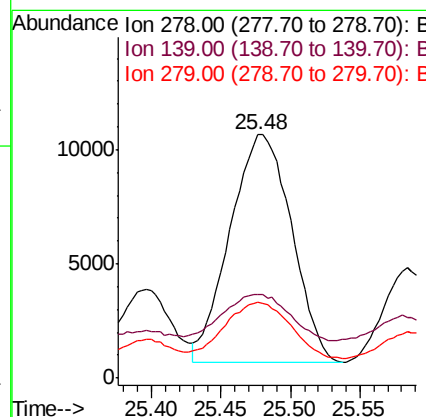
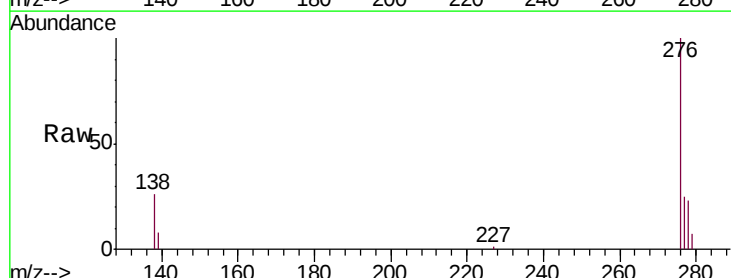
Tgt Ion: 276 Resp: 123931
Ion Ratio Lower Upper
276 100
138 24.7 21.7 32.5
227 0.3 0.2 0.2#

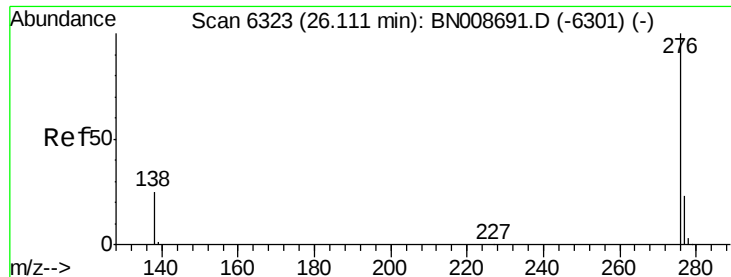


#25

Dibenzo(a,h)anthracene
Concen: 0.589 ng/ul
RT: 25.48 min Scan# 6134
Delta R.T. -0.00 min
Lab File: BN008697.D
Acq: 22 Nov 2019 04:15

Tgt Ion: 278 Resp: 30792
Ion Ratio Lower Upper
278 100
139 34.2 18.7 28.1#
279 31.0 20.8 31.2





#26

Benzo(g,h,i)perylene

Concen: 2.144 ng/ul

RT: 26.12 min Scan# 6326

Delta R.T. 0.01 min

Lab File: BN008697.D

Acq: 22 Nov 2019 04:15

Instrument :

BNA_N

ClientSampleId :

C0AD2

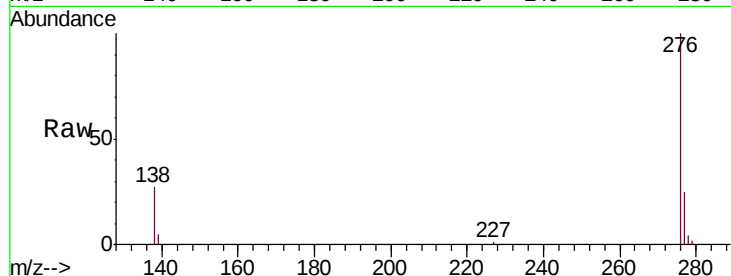
Tgt Ion: 276 Resp: 116109

Ion Ratio Lower Upper

276 100

138 26.6 20.0 30.0

277 25.0 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

