

Data File : BN008695.D
Acq On : 22 Nov 2019 03:03
Operator : JU
Sample : K5854-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AD0

Quant Time: Nov 22 07:16:06 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	4554	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	16828	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	10311	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	19679	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	14378	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	16099	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	4794	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	12152	0.20	ng/ul	0.00

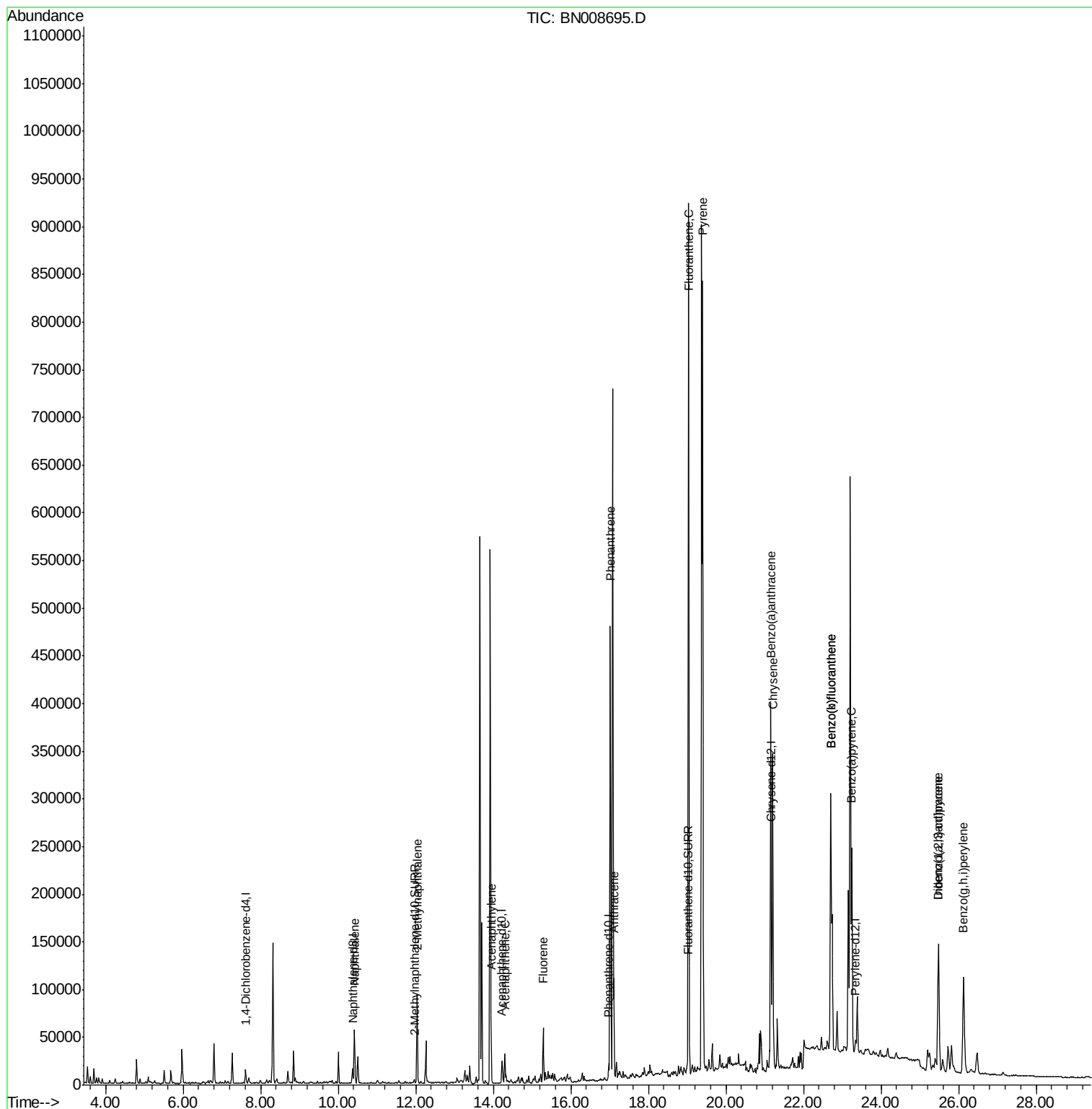
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	73206	1.443	ng/ul	98
5) 2-Methylnaphthalene	12.04	142	65301	1.843	ng/ul	100
7) Acenaphthylene	13.95	152	7726	0.136	ng/ul#	86
8) Acenaphthene	14.30	153	19034	0.450	ng/ul	98
9) Fluorene	15.29	166	31578	0.636	ng/ul#	94
12) Phenanthrene	17.02	178	498063	7.505	ng/ul	98
13) Anthracene	17.11	178	107507	1.714	ng/ul	99
15) Fluoranthene	19.04	202	763544	9.364	ng/ul	93
17) Pyrene	19.40	202	687885	11.925	ng/ul	95
18) Benzo(a)anthracene	21.16	228	316905	5.481	ng/ul	97
19) Chrysene	21.21	228	325325	5.728	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	557340	8.395	ng/ul	92
22) Benzo(k)fluoranthene	22.70	252	557340	8.465	ng/ul#	94
23) Benzo(a)pyrene	23.25	252	278036	4.462	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.48	276	192152	2.637	ng/ul	95
25) Dibenzo(a,h)anthracene	25.49	278	50284	0.854	ng/ul#	69
26) Benzo(g,h,i)perylene	26.13	276	193869	3.180	ng/ul	97

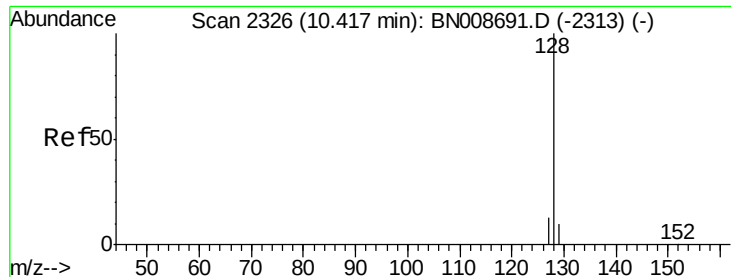
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 07:16:06 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: 1.443 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

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Instrument :

BNA_N

ClientSampleId :

C0AD0

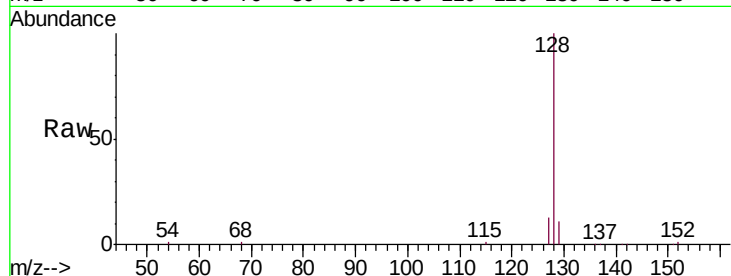
Tgt Ion:128 Resp: 73206

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

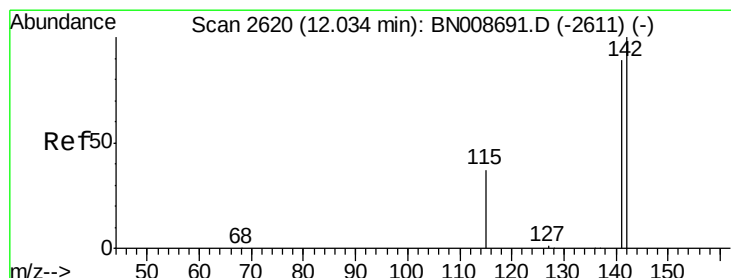
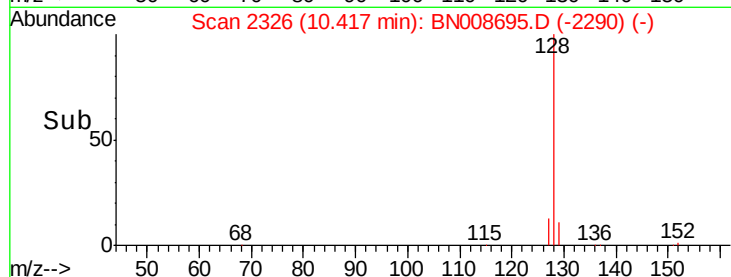
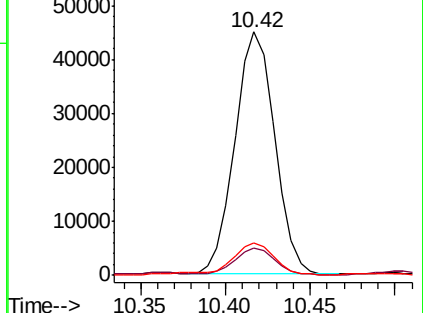
127 13.2 10.8 16.2



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: 1.843 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. 0.01 min

Lab File: BN008695.D

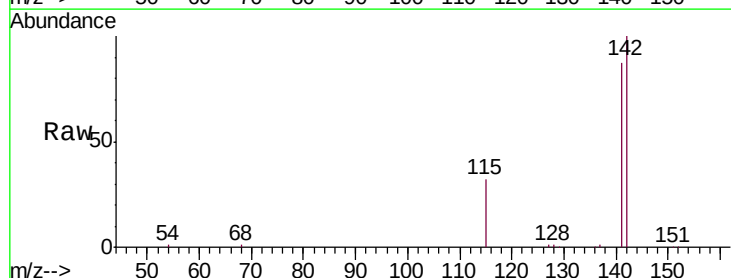
Acq: 22 Nov 2019 03:03

Tgt Ion:142 Resp: 65301

Ion Ratio Lower Upper

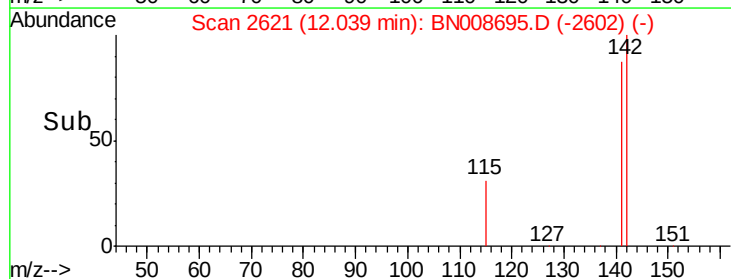
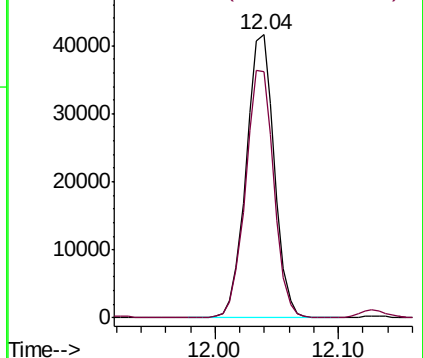
142 100

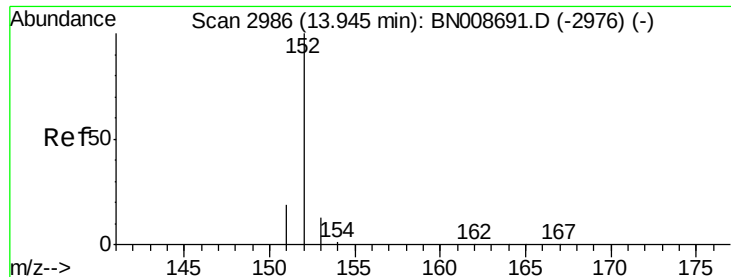
141 88.1 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.136 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

Instrument :

BNA_N

ClientSampleId :

C0AD0

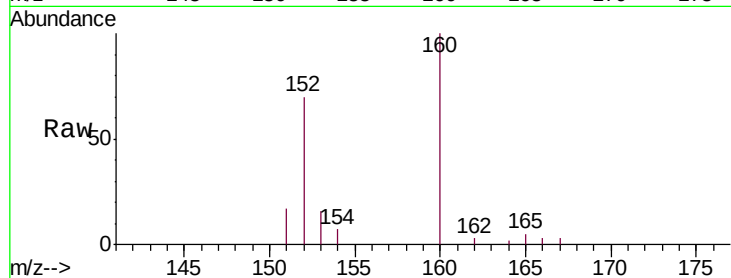
Tgt Ion:152 Resp: 7726

Ion Ratio Lower Upper

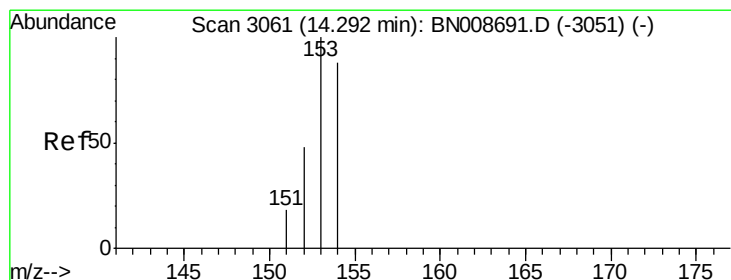
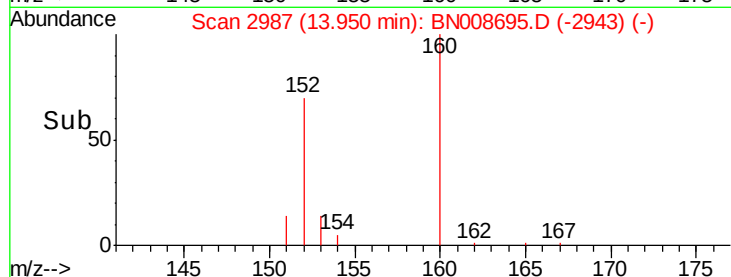
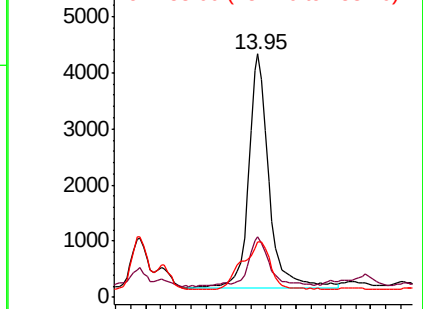
152 100

151 24.6 16.6 24.8

153 22.8 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: 0.450 ng/ul

RT: 14.30 min Scan# 3062

Delta R.T. 0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

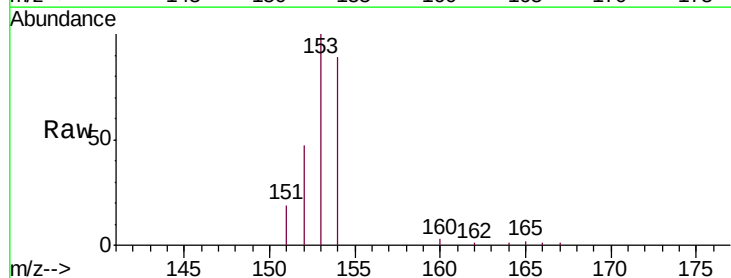
Tgt Ion:153 Resp: 19034

Ion Ratio Lower Upper

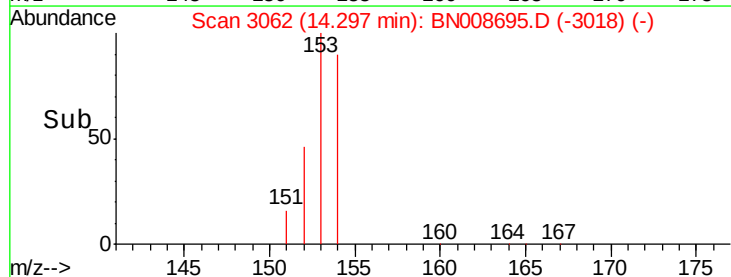
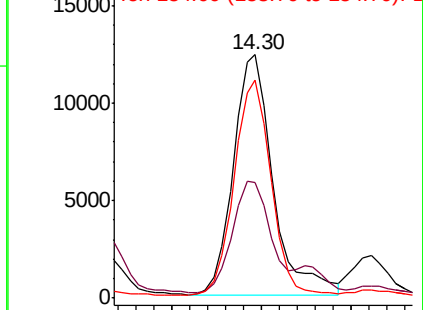
153 100

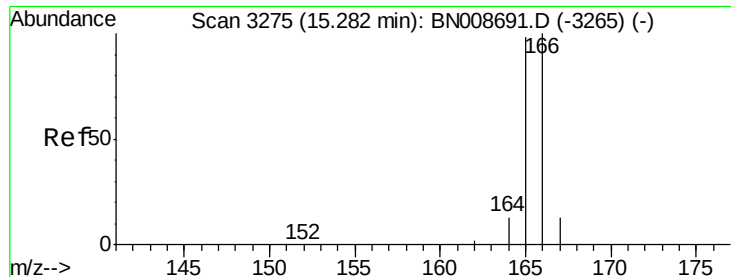
152 47.3 39.6 59.4

154 89.4 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: 0.636 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

Instrument :

BNA_N

ClientSampleId :

C0AD0

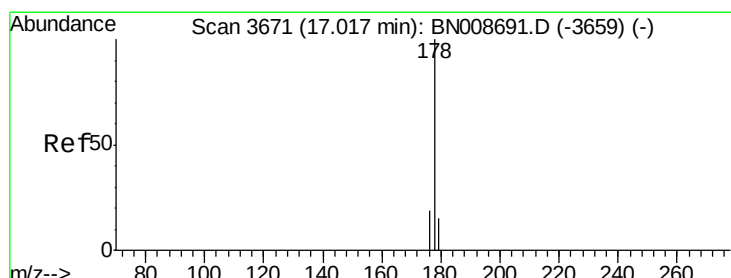
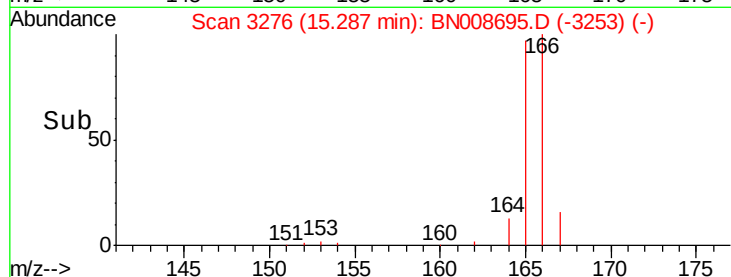
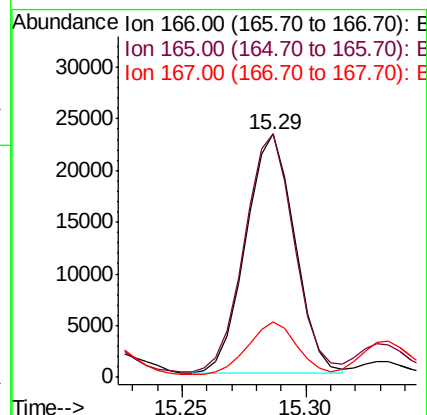
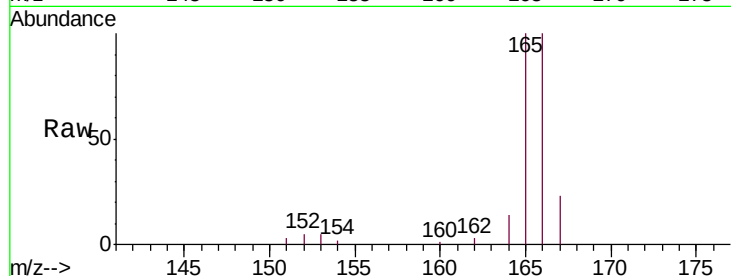
Tgt Ion:166 Resp: 31578

Ion Ratio Lower Upper

166 100

165 100.0 77.4 116.0

167 22.5 11.4 17.0#



#12

Phenanthrene

Concen: 7.505 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

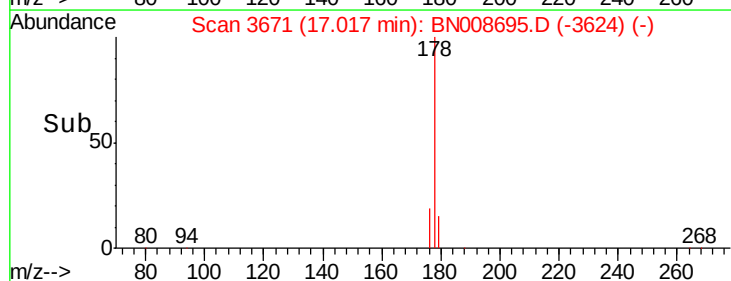
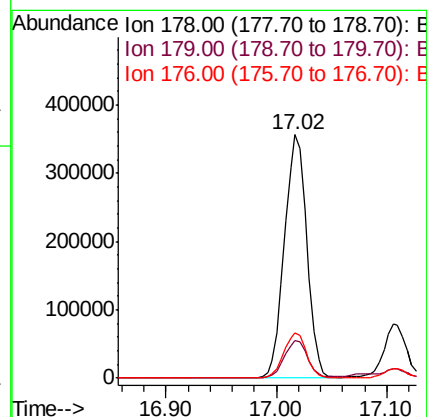
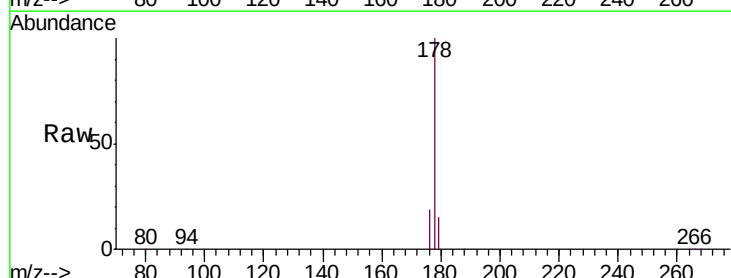
Tgt Ion:178 Resp: 498063

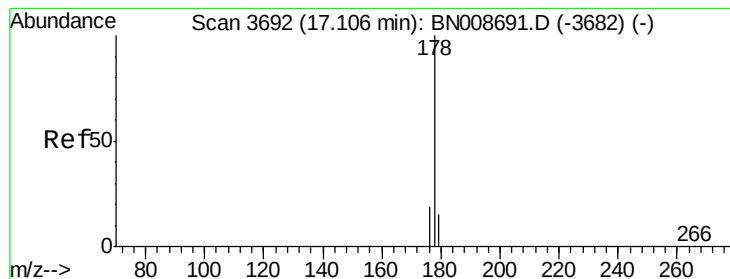
Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 18.8 16.0 24.0





#13

Anthracene

Concen: 1.714 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

Instrument :

BNA_N

ClientSampleId :

C0AD0

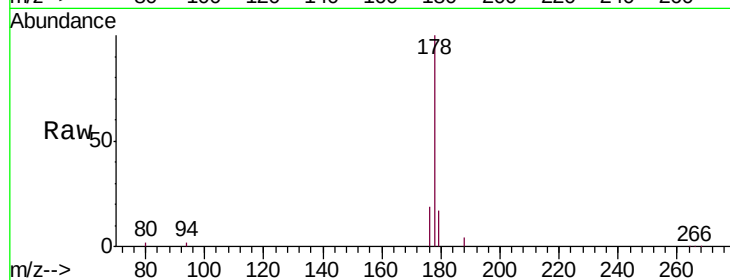
Tgt Ion:178 Resp: 107507

Ion Ratio Lower Upper

178 100

179 16.8 13.0 19.4

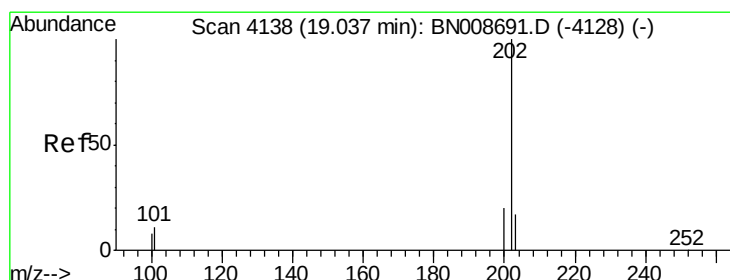
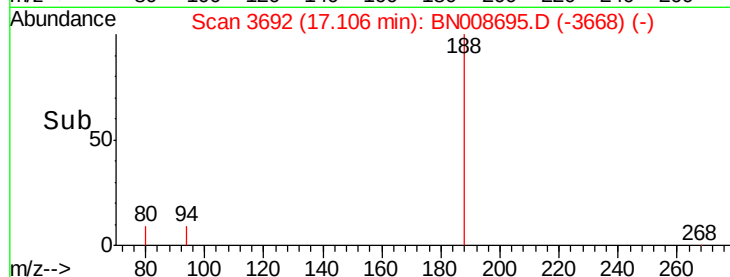
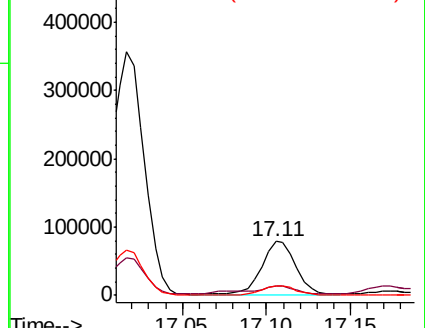
176 18.6 15.3 22.9



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: 9.364 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

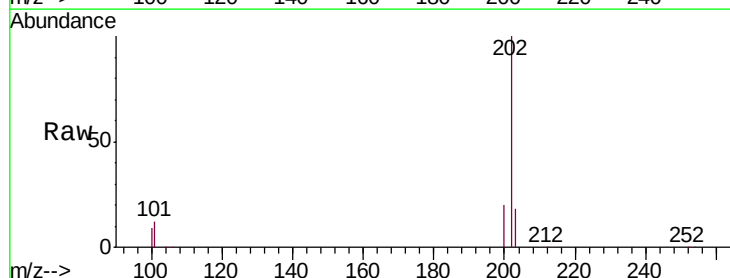
Tgt Ion:202 Resp: 763544

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.6

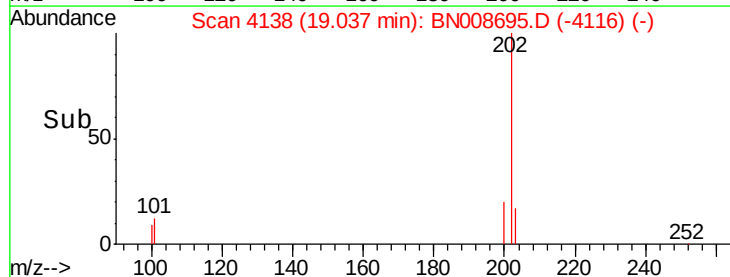
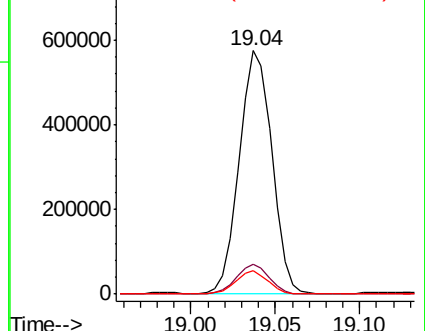
100 9.4 0.0 27.0

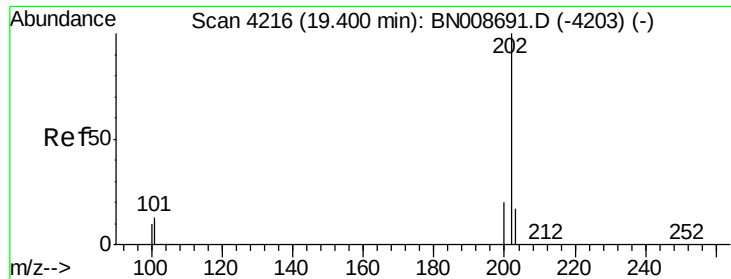


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

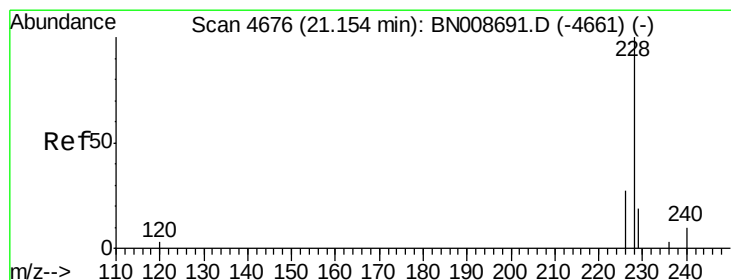
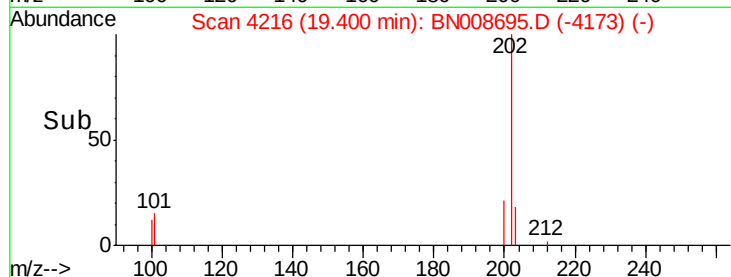
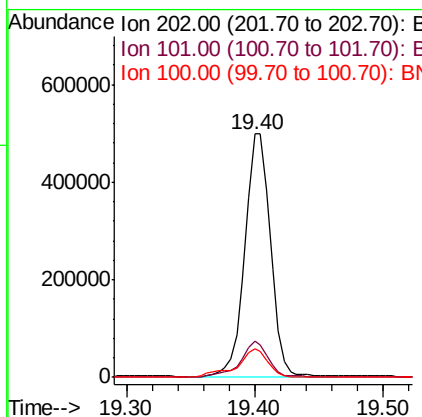
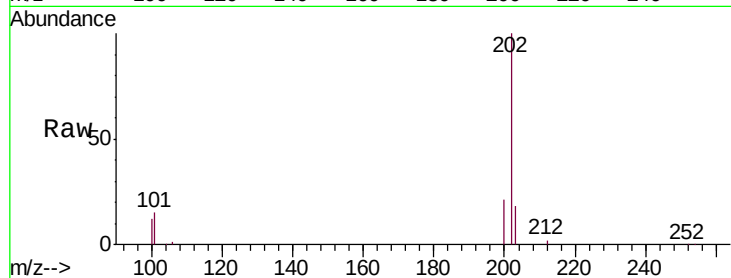




#17
 Pyrene
 Concen: 11.925 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008695.D
 Acq: 22 Nov 2019 03:03

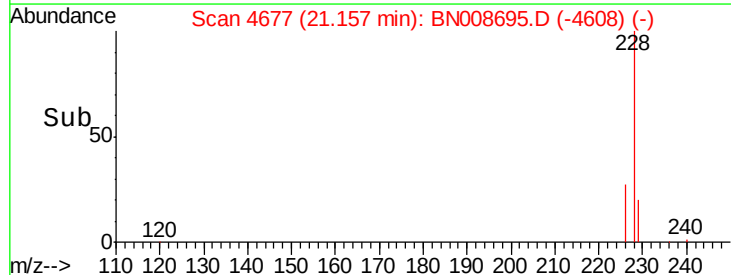
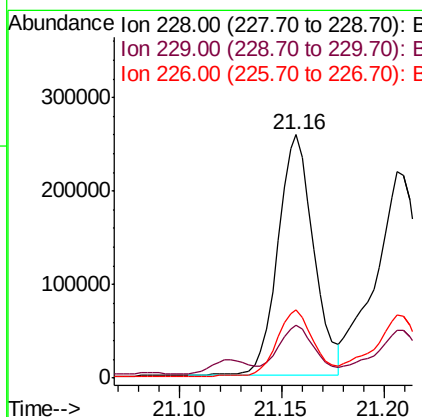
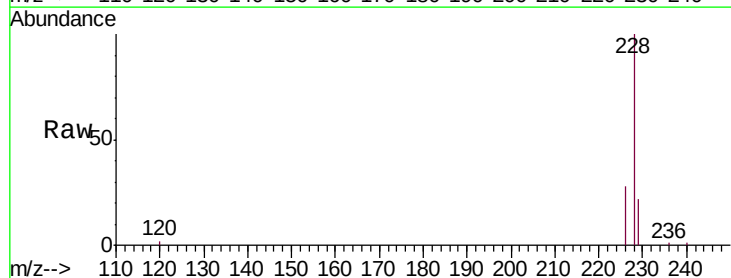
Instrument :
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 C0AD0

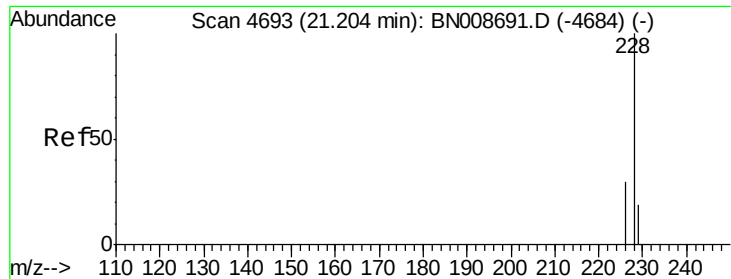
Tgt Ion:202 Resp: 687885
 Ion Ratio Lower Upper
 202 100
 101 14.7 10.2 15.2
 100 12.0 8.2 12.2



#18
 Benzo(a)anthracene
 Concen: 5.481 ng/ul
 RT: 21.16 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: BN008695.D
 Acq: 22 Nov 2019 03:03

Tgt Ion:228 Resp: 316905
 Ion Ratio Lower Upper
 228 100
 229 21.7 15.8 23.6
 226 28.1 21.6 32.4





#19

Chrysene

Concen: 5.728 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. 0.00 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

Instrument :

BNA_N

ClientSampleId :

C0AD0

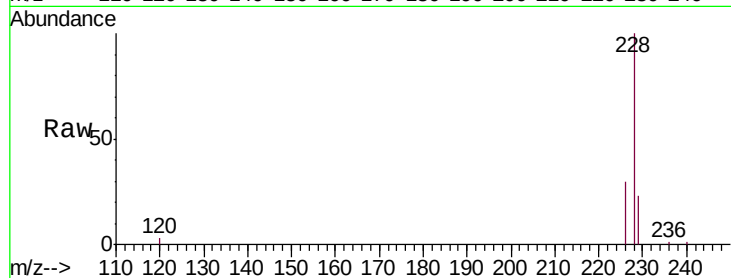
Tgt Ion:228 Resp: 325325

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

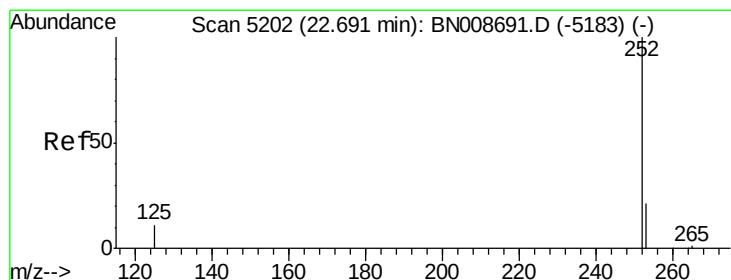
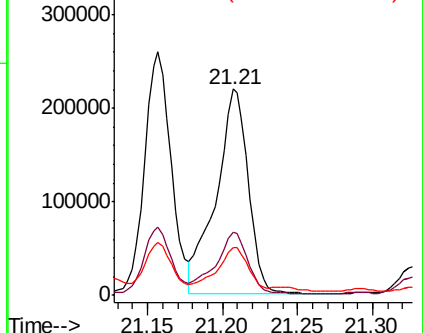
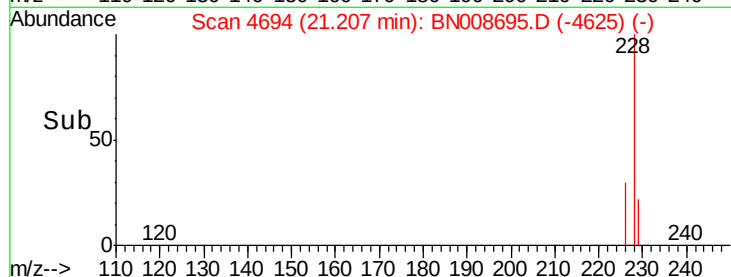
229 23.2 15.5 23.3



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: 8.395 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. 0.01 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

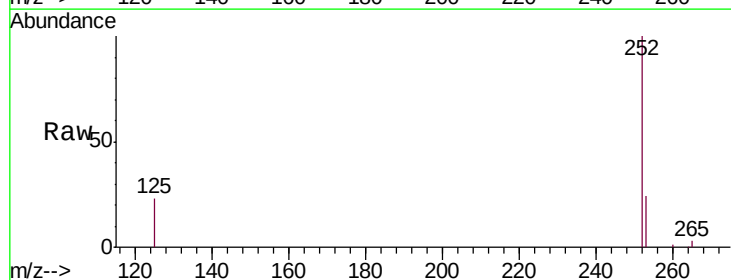
Tgt Ion:252 Resp: 557340

Ion Ratio Lower Upper

252 100

253 24.0 0.0 50.2

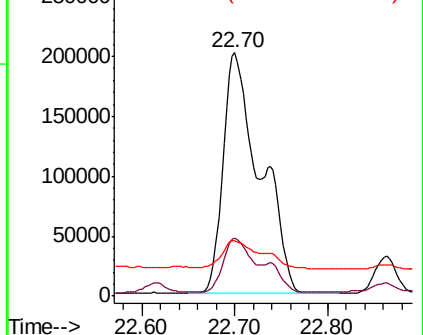
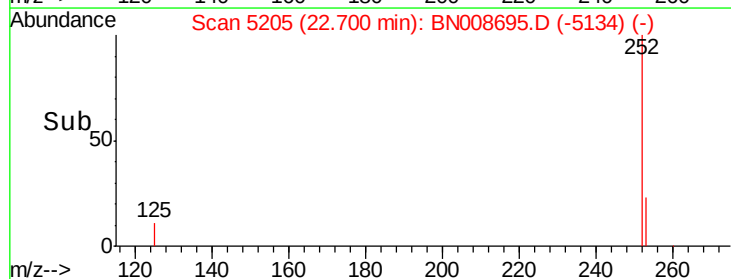
125 22.9 0.0 30.0

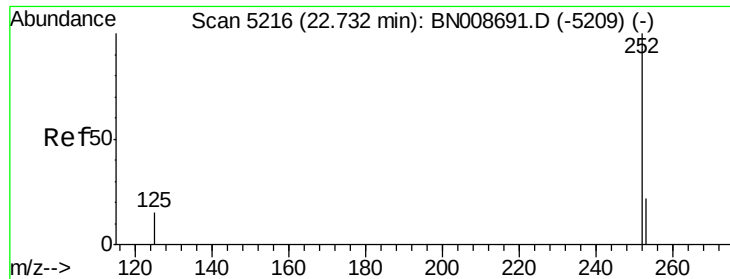


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 8.465 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.03 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

Instrument :

BNA_N

ClientSampleId :

C0AD0

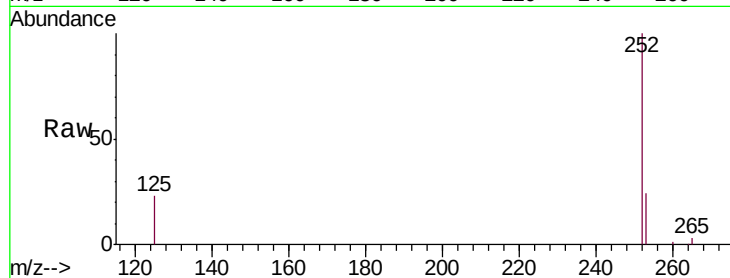
Tgt Ion:252 Resp: 557340

Ion Ratio Lower Upper

252 100

253 24.0 20.5 30.7

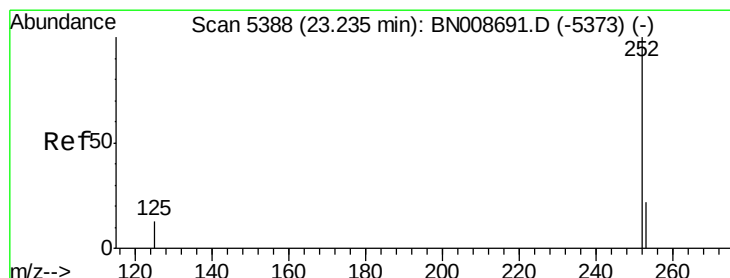
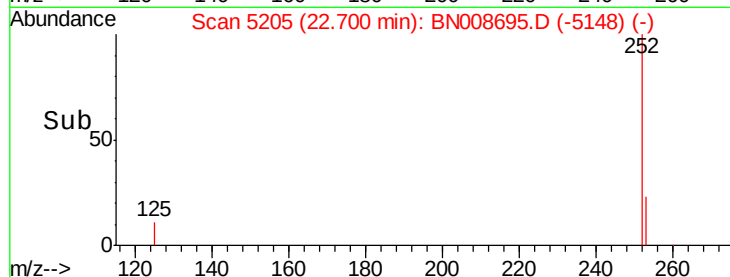
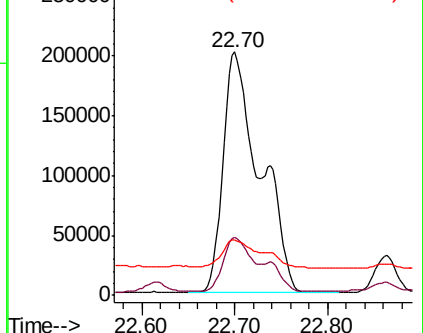
125 22.9 15.0 22.4#



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: 4.462 ng/ul

RT: 23.25 min Scan# 5392

Delta R.T. 0.01 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

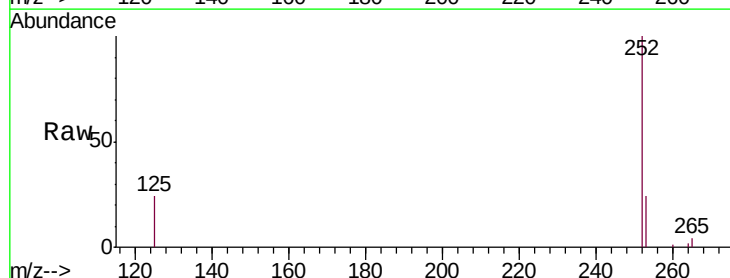
Tgt Ion:252 Resp: 278036

Ion Ratio Lower Upper

252 100

253 23.6 21.4 32.2

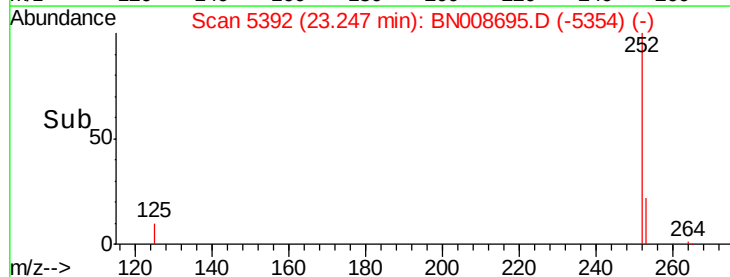
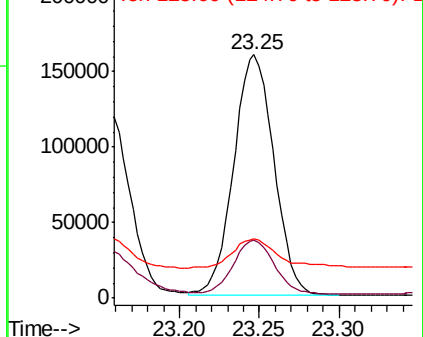
125 24.4 13.8 20.8#

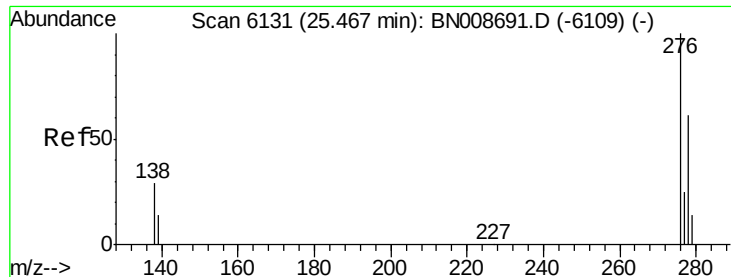


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



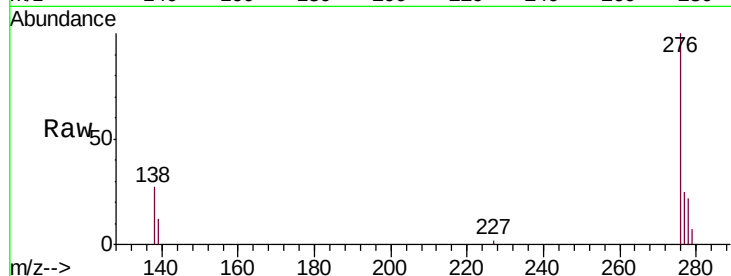


#24

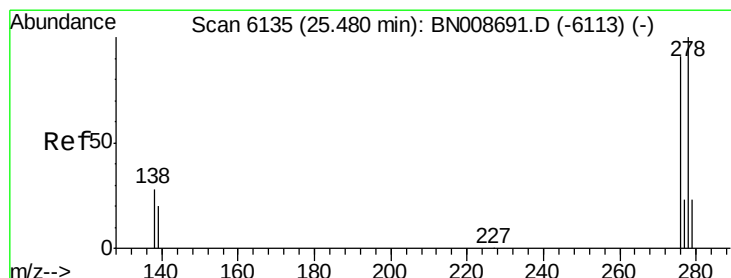
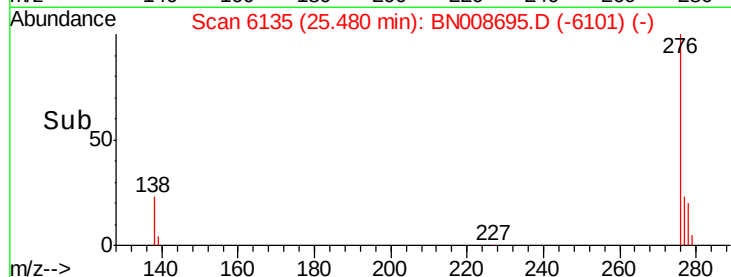
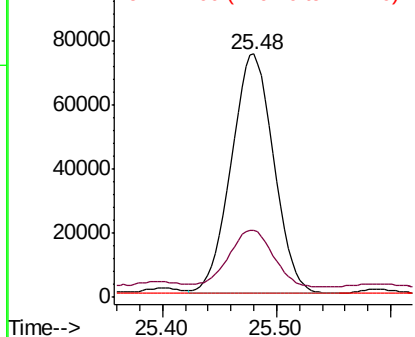
Indeno(1,2,3-cd)pyrene
Concen: 2.637 ng/ul
RT: 25.48 min Scan# 6135
Delta R.T. 0.01 min
Lab File: BN008695.D
Acq: 22 Nov 2019 03:03

Instrument :
BNA_N
ClientSampleId :
C0AD0

Tgt Ion: 276 Resp: 192152
Ion Ratio Lower Upper
276 100
138 24.7 21.7 32.5
227 0.2 0.2 0.2



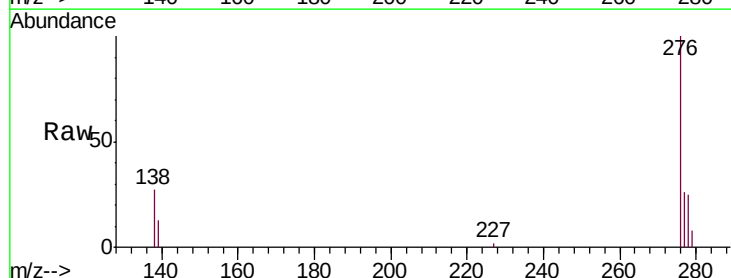
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



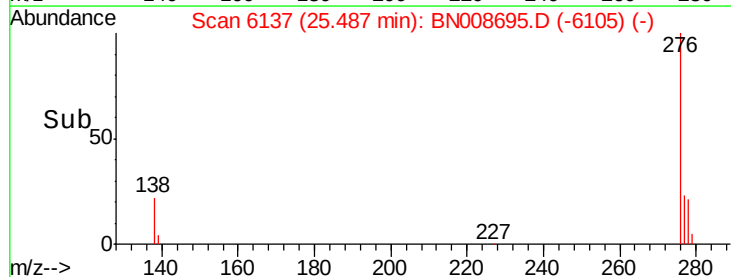
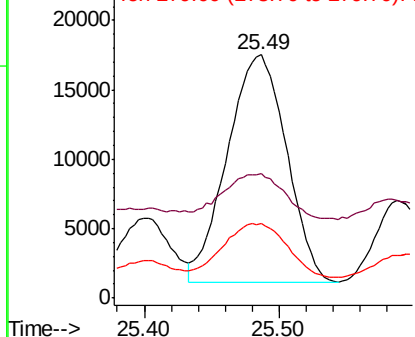
#25

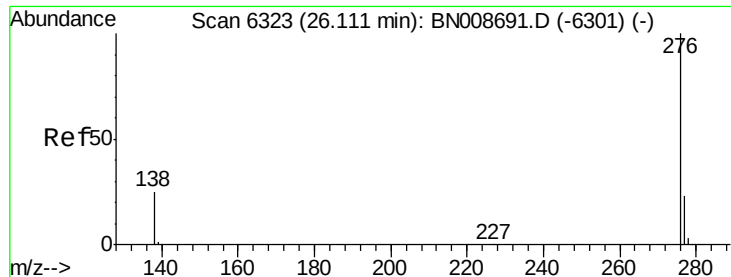
Dibenzo(a,h)anthracene
Concen: 0.854 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. 0.01 min
Lab File: BN008695.D
Acq: 22 Nov 2019 03:03

Tgt Ion: 278 Resp: 50284
Ion Ratio Lower Upper
278 100
139 51.1 18.7 28.1#
279 30.5 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: 3.180 ng/ul

RT: 26.13 min Scan# 6328

Delta R.T. 0.02 min

Lab File: BN008695.D

Acq: 22 Nov 2019 03:03

Instrument :

BNA_N

ClientSampleId :

C0AD0

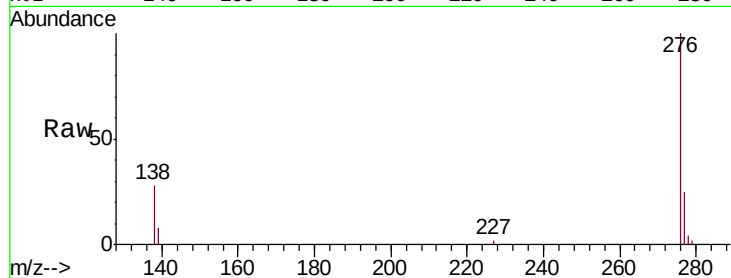
Tgt Ion: 276 Resp: 193869

Ion Ratio Lower Upper

276 100

138 28.1 20.0 30.0

277 24.8 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

