

Data File : BN008700.D
Acq On : 22 Nov 2019 06:04
Operator : JU
Sample : K5854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AB7

Quant Time: Nov 22 07:17:04 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	4440	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	16368	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	9146	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	18652	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	15107	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	15471	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	4102	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	9730	0.17	ng/ul	0.00

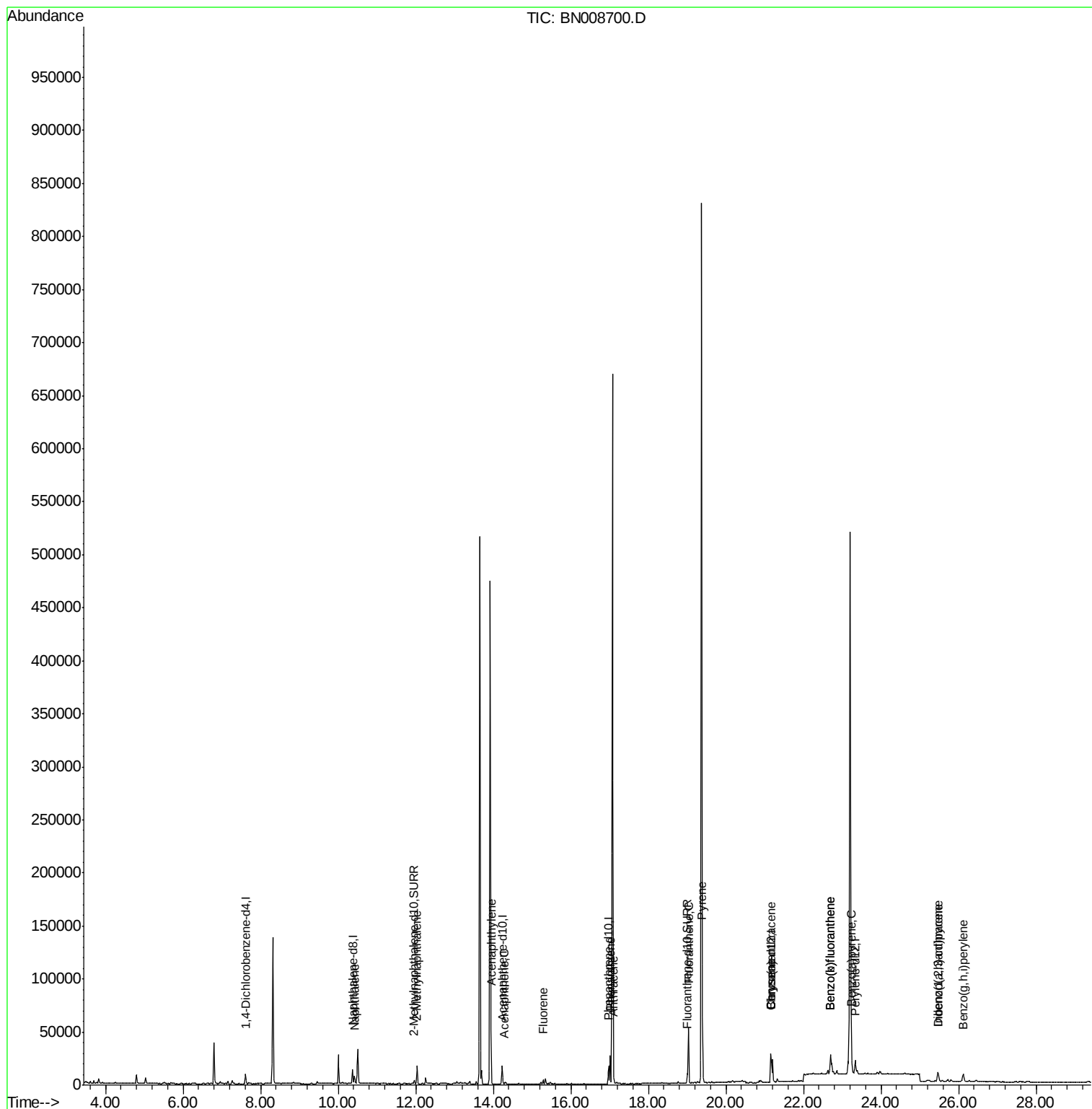
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	9998	0.203	ng/ul	99
5) 2-Methylnaphthalene	12.03	142	11637	0.338	ng/ul	100
7) Acenaphthylene	13.95	152	1522	0.030	ng/ul#	83
8) Acenaphthene	14.29	153	1238	0.033	ng/ul	94
9) Fluorene	15.29	166	2610	0.059	ng/ul#	92
12) Phenanthrene	17.02	178	27344	0.435	ng/ul	98
13) Anthracene	17.11	178	5114	0.086	ng/ul	94
15) Fluoranthene	19.04	202	42585	0.551	ng/ul	93
17) Pyrene	19.40	202	37102	0.612	ng/ul	95
18) Benzo(a)anthracene	21.15	228	18575	0.306	ng/ul	94
19) Chrysene	21.15	228	18575	0.311	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	36668	0.575	ng/ul#	77
22) Benzo(k)fluoranthene	22.70	252	36668	0.580	ng/ul#	81
23) Benzo(a)pyrene	23.24	252	16720	0.279	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.47	276	13086	0.187	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.48	278	3277	0.058	ng/ul#	1
26) Benzo(g,h,i)perylene	26.12	276	13436	0.229	ng/ul#	84

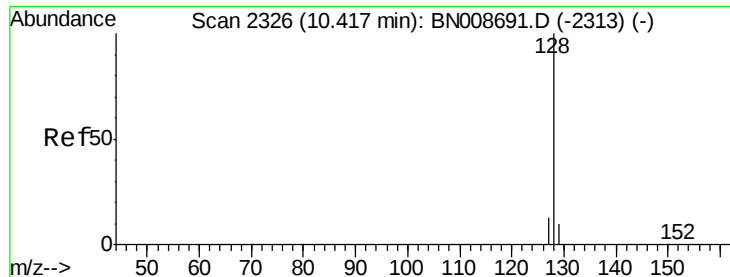
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.203 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

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ClientSampleId :

C0AB7

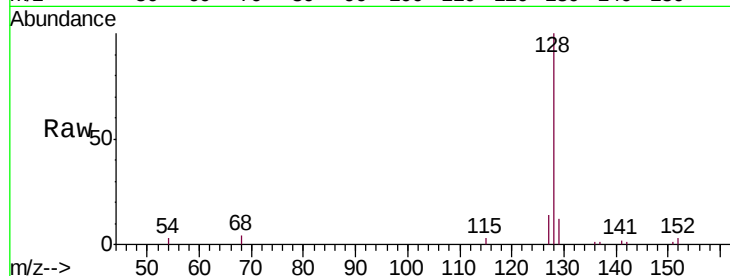
Tgt Ion:128 Resp: 9998

Ion Ratio Lower Upper

128 100

129 12.3 9.7 14.5

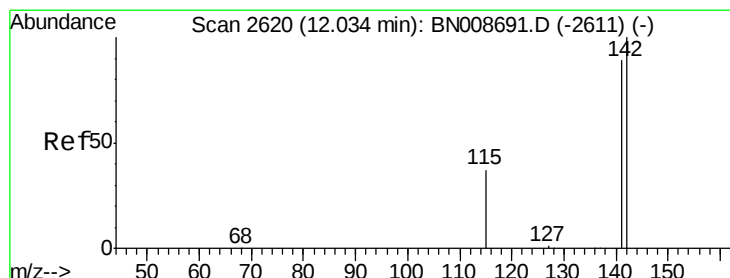
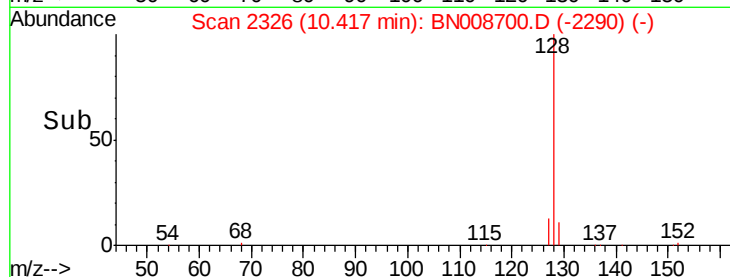
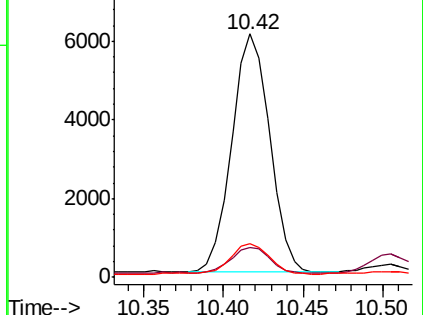
127 13.9 10.8 16.2



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: 0.338 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BN008700.D

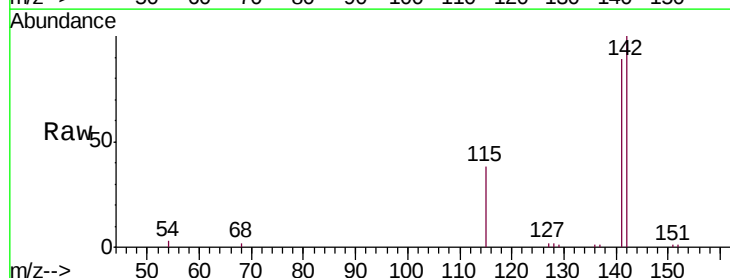
Acq: 22 Nov 2019 06:04

Tgt Ion:142 Resp: 11637

Ion Ratio Lower Upper

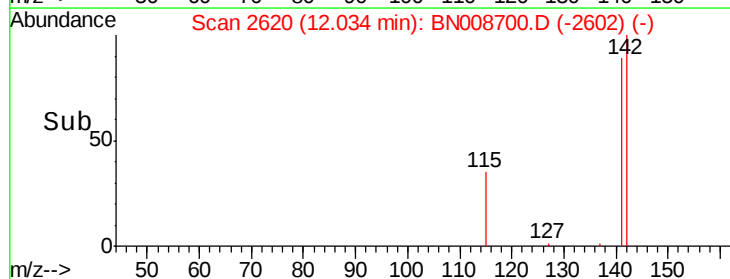
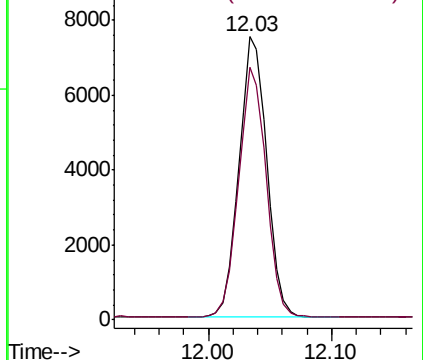
142 100

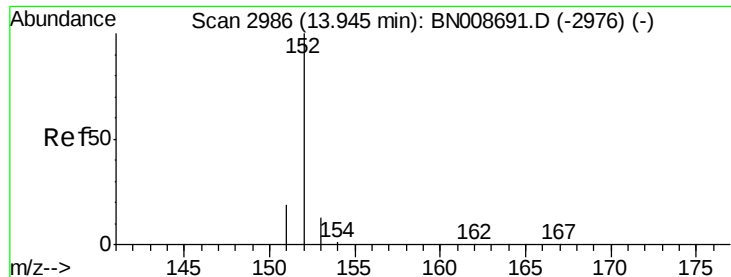
141 87.7 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

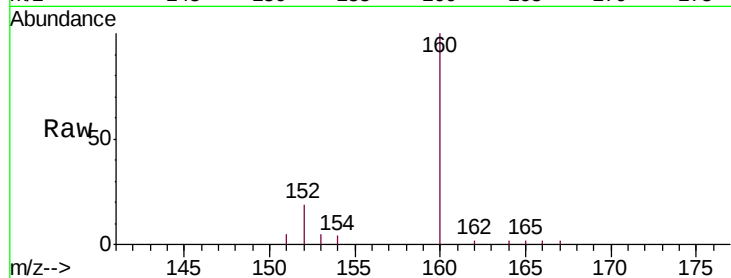
Tgt Ion:152 Resp: 1522

Ion Ratio Lower Upper

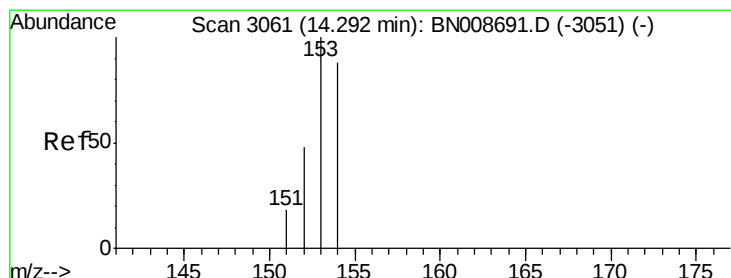
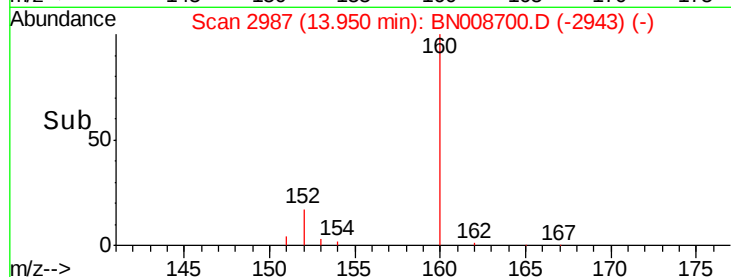
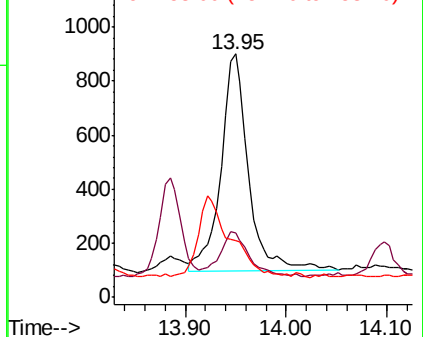
152 100

151 26.4 16.6 24.8#

153 23.5 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



#8

Acenaphthene

Concen: 0.033 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

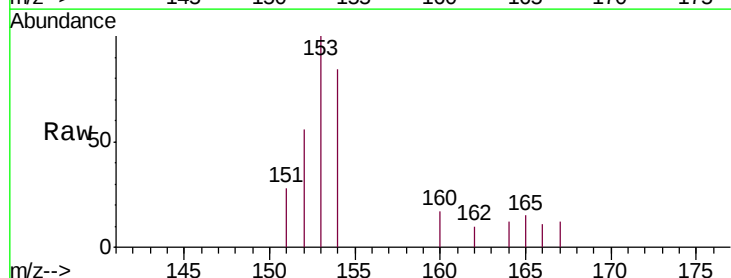
Tgt Ion:153 Resp: 1238

Ion Ratio Lower Upper

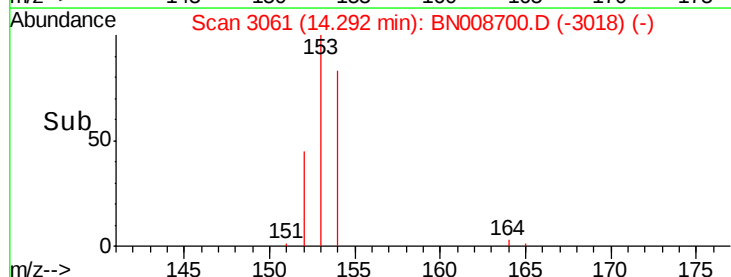
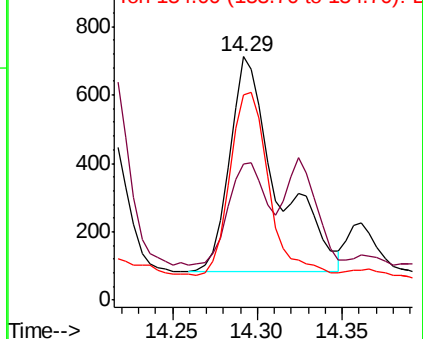
153 100

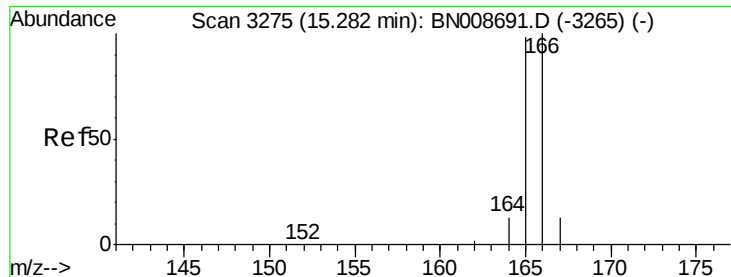
152 56.2 39.6 59.4

154 84.3 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: 0.059 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

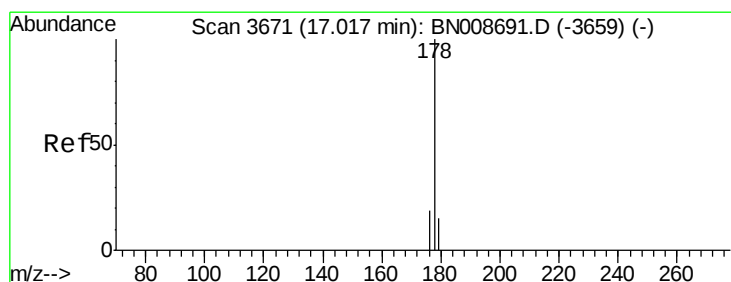
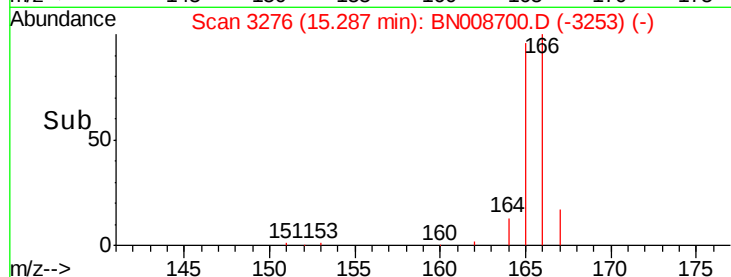
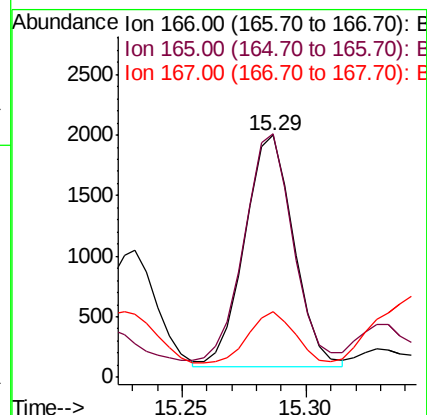
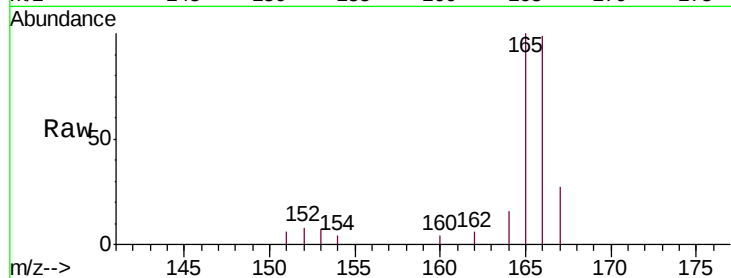
Tgt Ion:166 Resp: 2610

Ion Ratio Lower Upper

166 100

165 100.7 77.4 116.0

167 27.3 11.4 17.0#



#12

Phenanthrene

Concen: 0.435 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

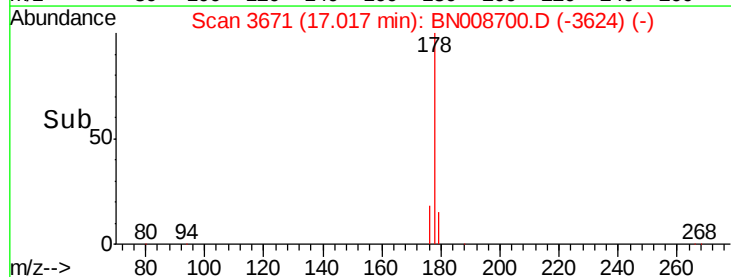
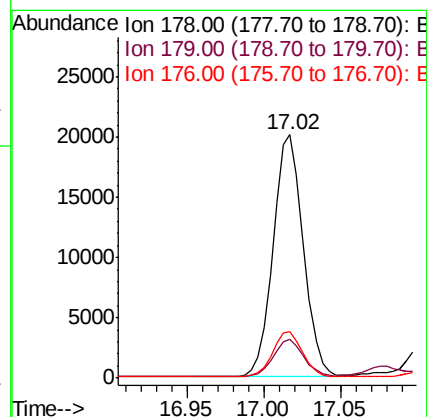
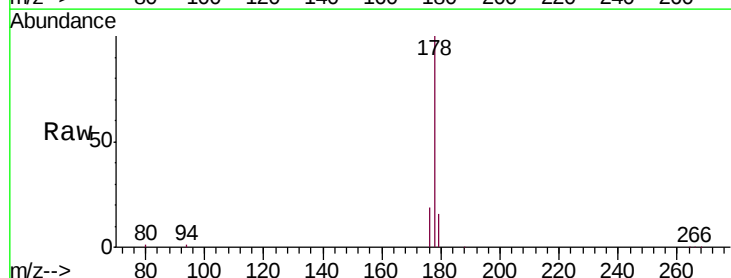
Tgt Ion:178 Resp: 27344

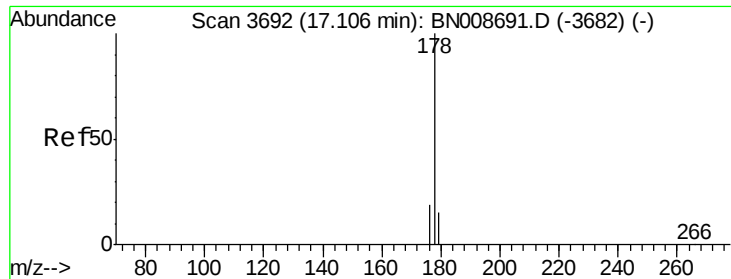
Ion Ratio Lower Upper

178 100

179 16.1 12.8 19.2

176 18.8 16.0 24.0





#13

Anthracene

Concen: 0.086 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

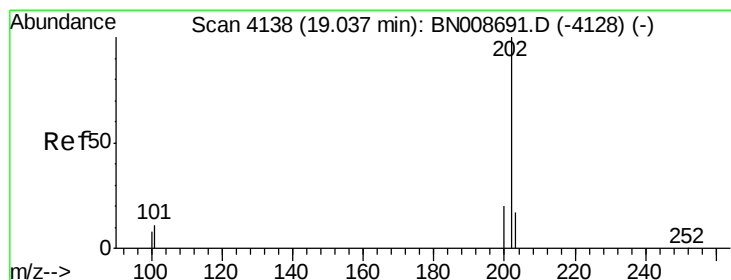
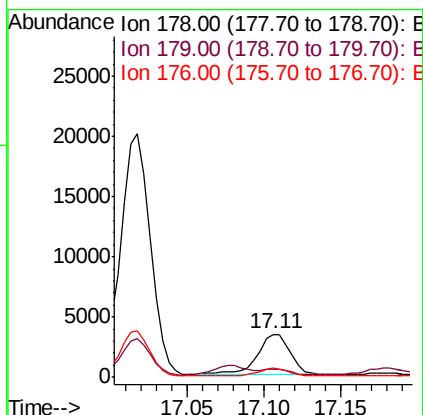
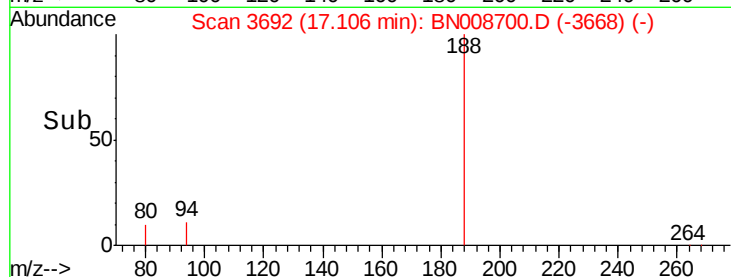
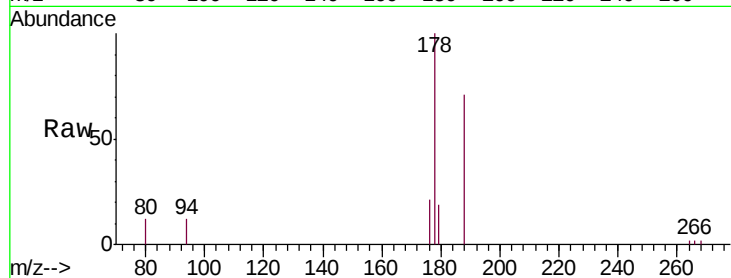
Tgt Ion:178 Resp: 5114

Ion Ratio Lower Upper

178 100

179 19.2 13.0 19.4

176 21.0 15.3 22.9



#15

Fluoranthene

Concen: 0.551 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

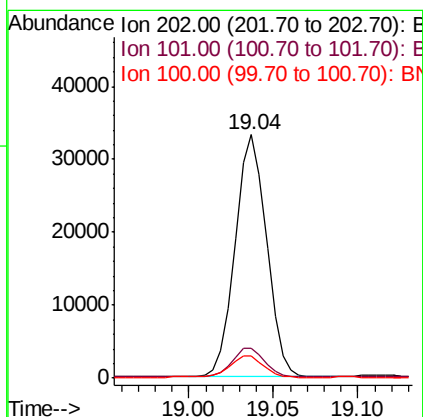
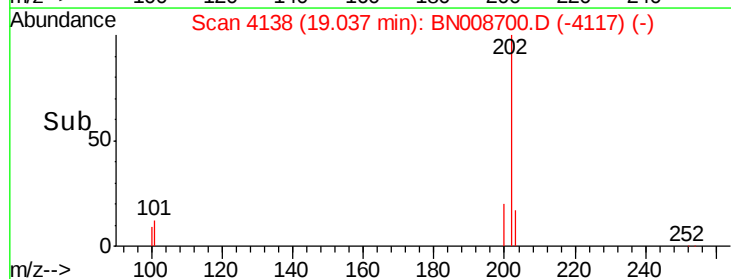
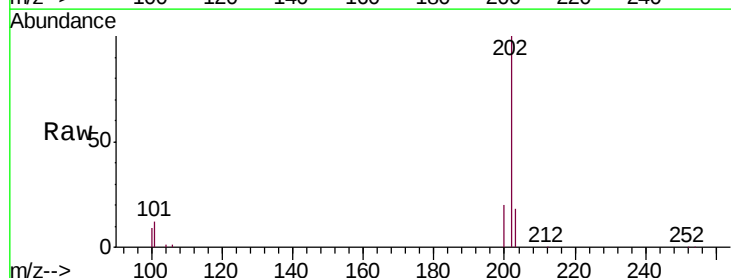
Tgt Ion:202 Resp: 42585

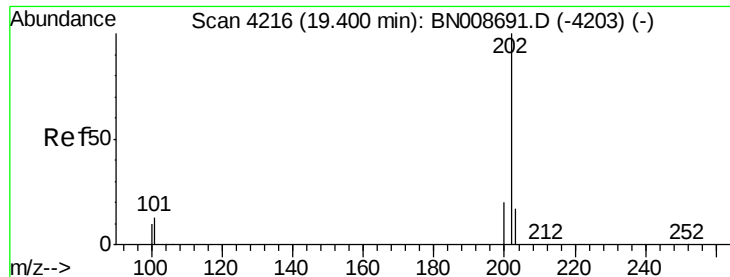
Ion Ratio Lower Upper

202 100

101 12.2 0.0 29.6

100 9.1 0.0 27.0

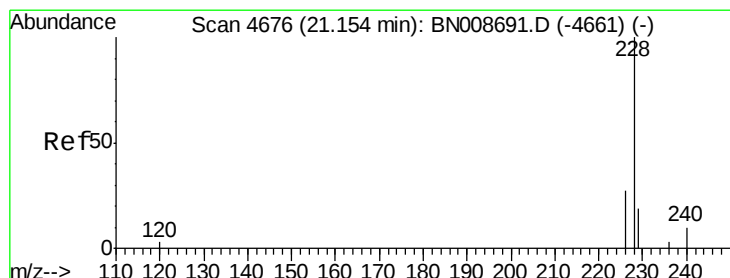
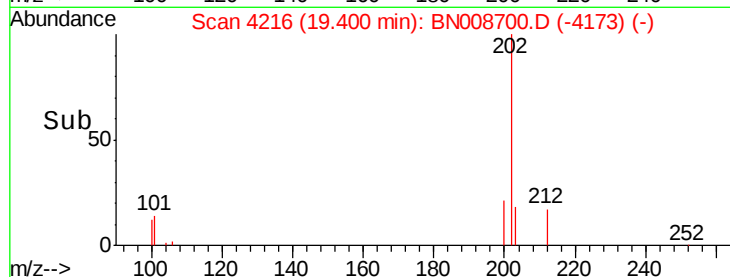
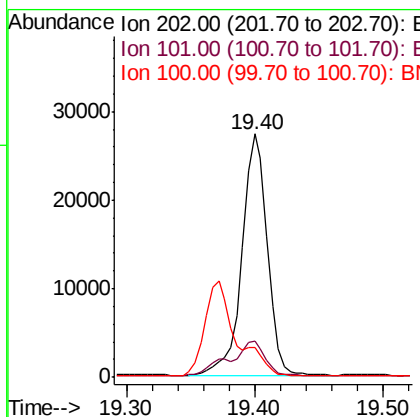
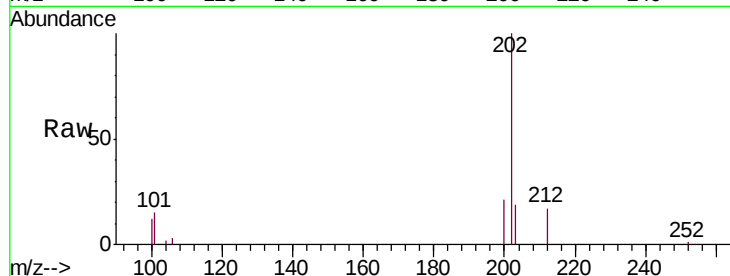




#17
 Pyrene
 Concen: 0.612 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008700.D
 Acq: 22 Nov 2019 06:04

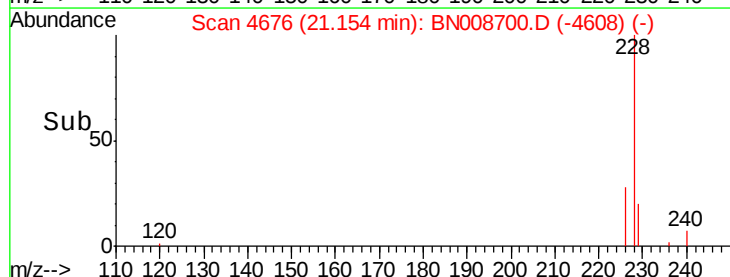
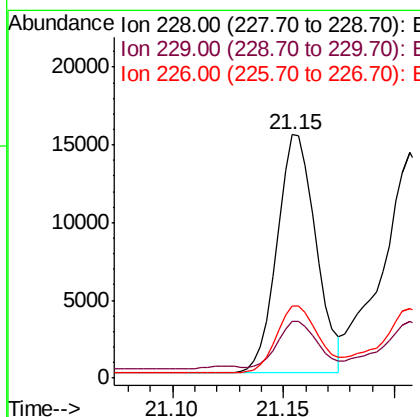
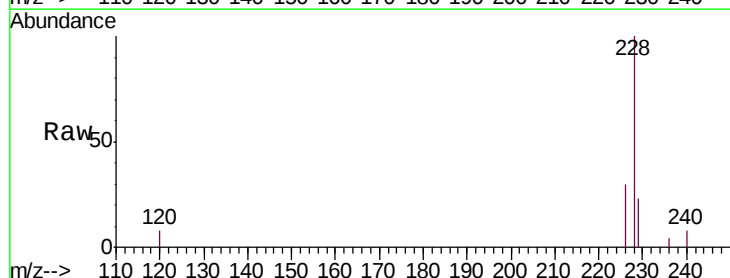
Instrument :
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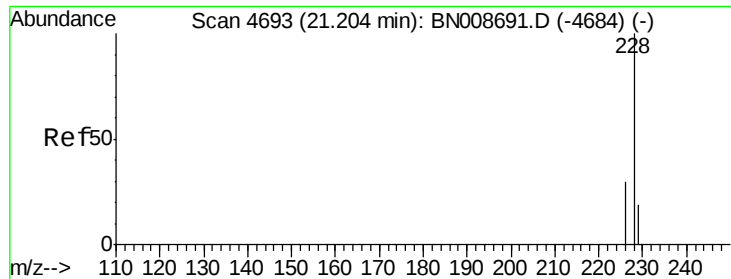
Tgt Ion:202 Resp: 37102
 Ion Ratio Lower Upper
 202 100
 101 14.9 10.2 15.2
 100 12.2 8.2 12.2



#18
 Benzo(a)anthracene
 Concen: 0.306 ng/ul
 RT: 21.15 min Scan# 4676
 Delta R.T. -0.00 min
 Lab File: BN008700.D
 Acq: 22 Nov 2019 06:04

Tgt Ion:228 Resp: 18575
 Ion Ratio Lower Upper
 228 100
 229 23.1 15.8 23.6
 226 29.9 21.6 32.4





#19

Chrysene

Concen: 0.311 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.05 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

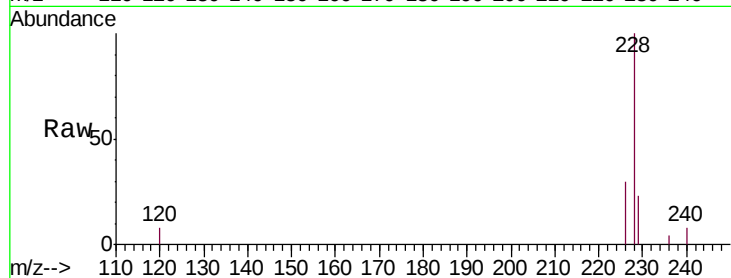
Tgt Ion:228 Resp: 18575

Ion Ratio Lower Upper

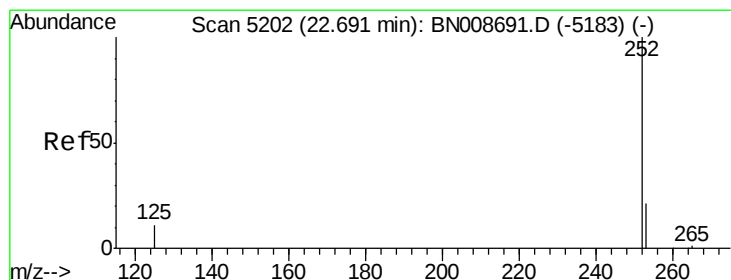
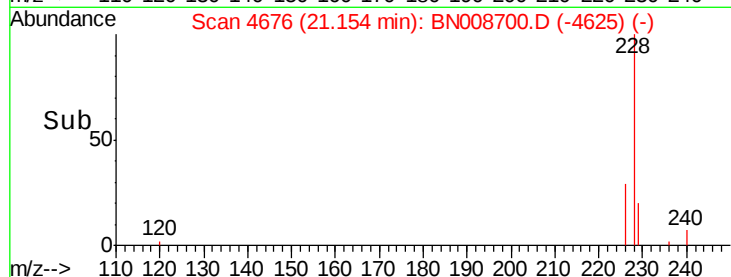
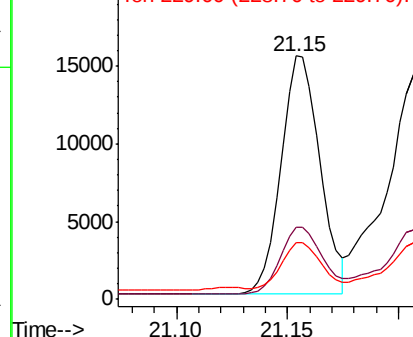
228 100

226 29.9 24.5 36.7

229 23.1 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: 0.575 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. 0.01 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

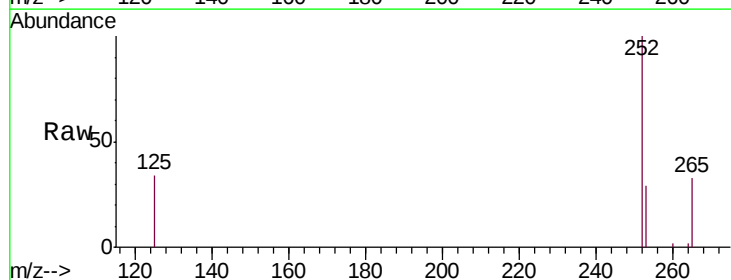
Tgt Ion:252 Resp: 36668

Ion Ratio Lower Upper

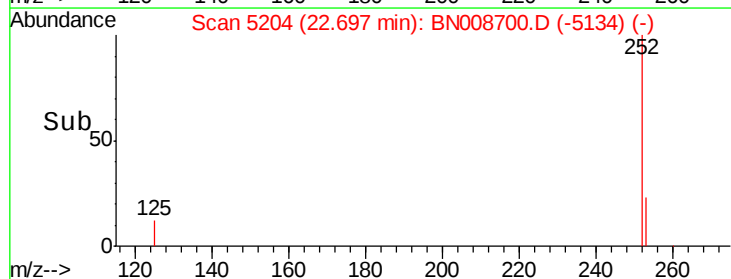
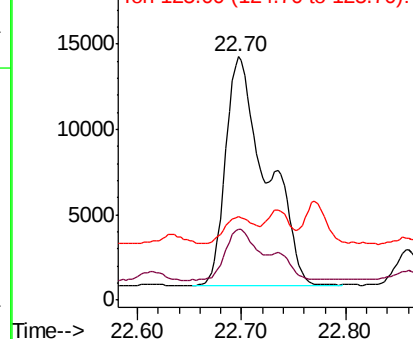
252 100

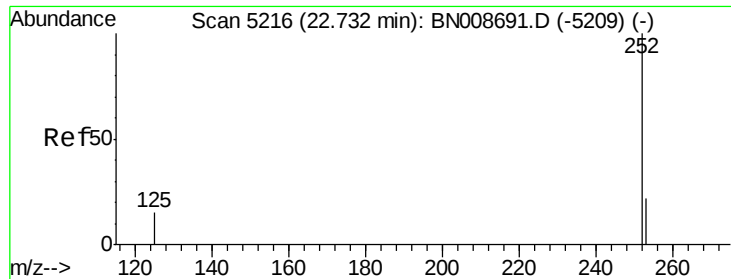
253 29.3 0.0 50.2

125 34.2 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: 0.580 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. -0.04 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

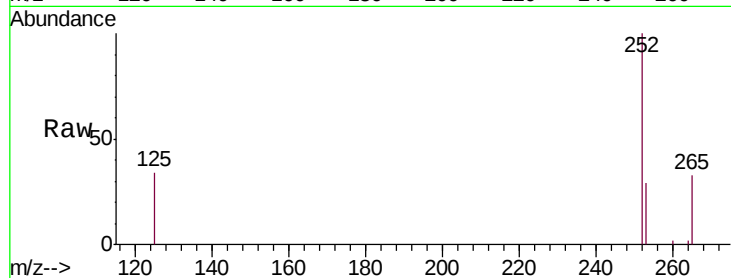
Tgt Ion:252 Resp: 36668

Ion Ratio Lower Upper

252 100

253 29.3 20.5 30.7

125 34.2 15.0 22.4#

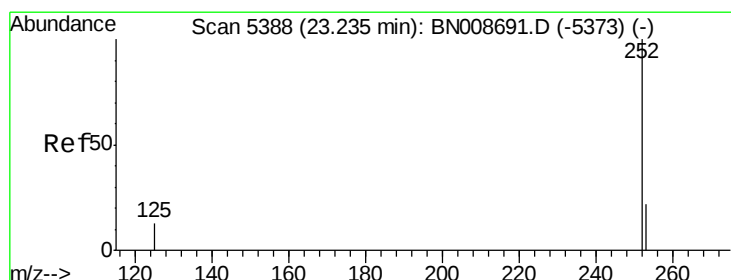
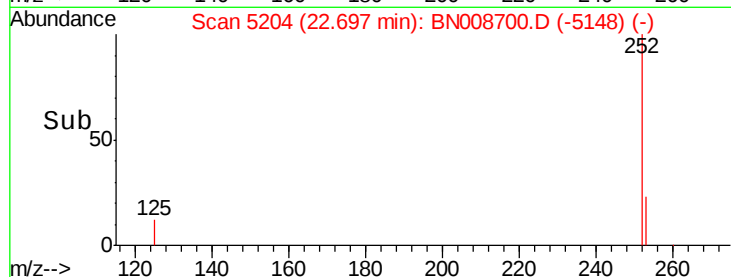
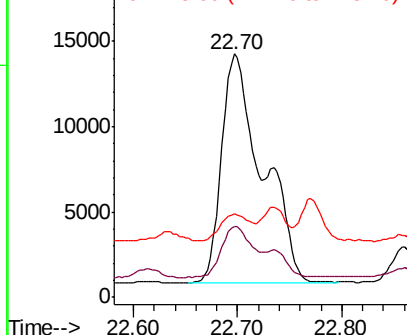


Abundance

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: 0.279 ng/ul

RT: 23.24 min Scan# 5391

Delta R.T. 0.01 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

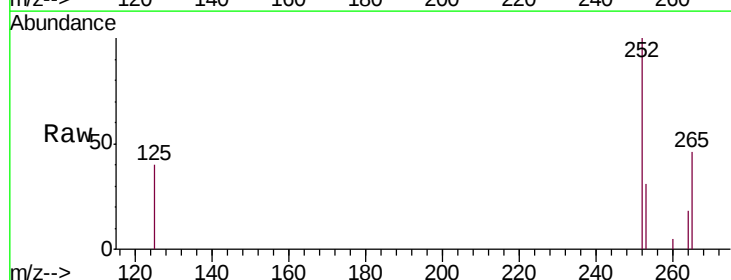
Tgt Ion:252 Resp: 16720

Ion Ratio Lower Upper

252 100

253 30.6 21.4 32.2

125 39.5 13.8 20.8#

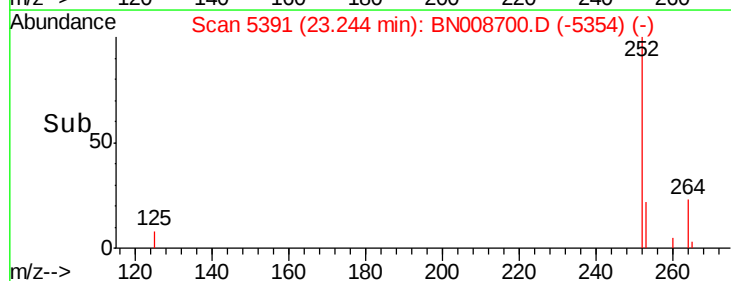
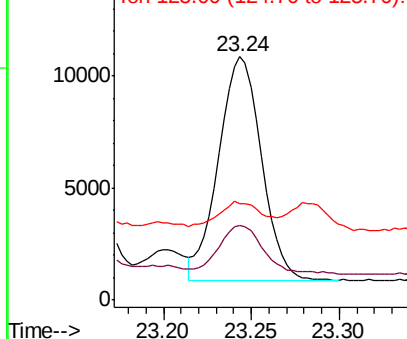


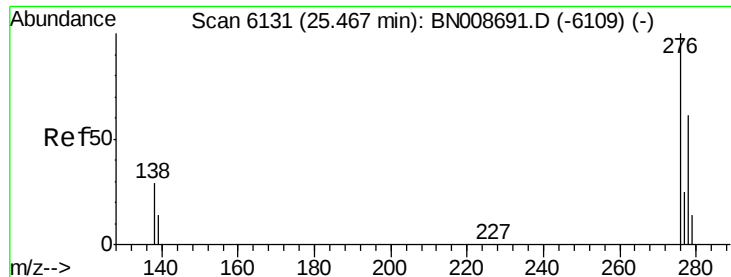
Abundance

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

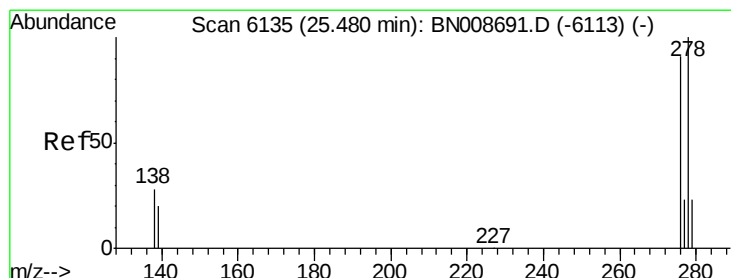
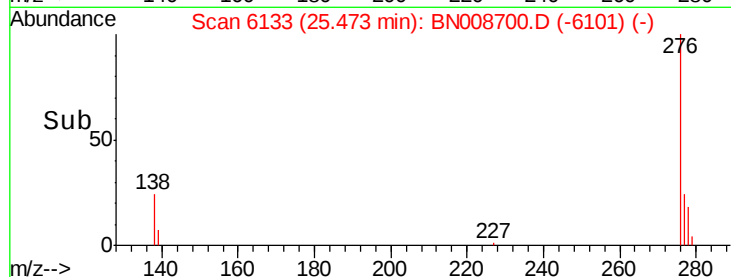
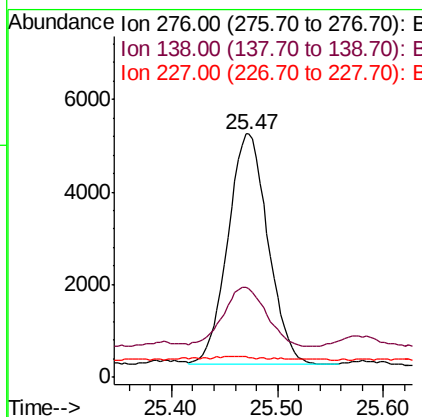
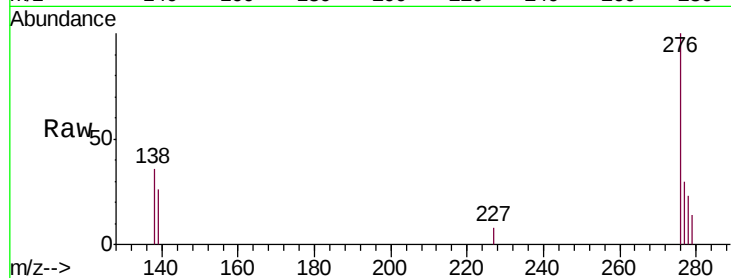




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.187 ng/ul
 RT: 25.47 min Scan# 6133
 Delta R.T. 0.01 min
 Lab File: BN008700.D
 Acq: 22 Nov 2019 06:04

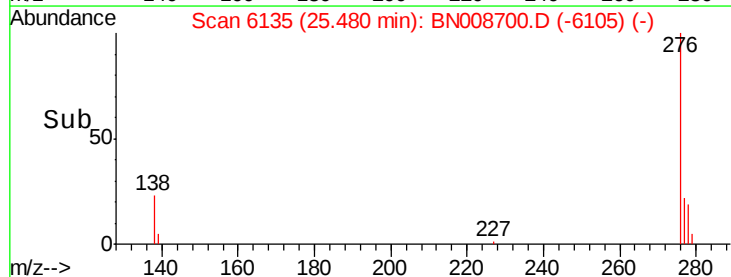
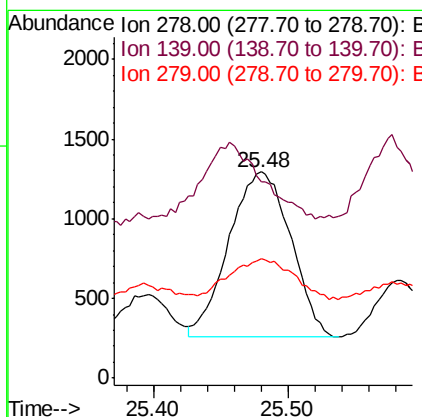
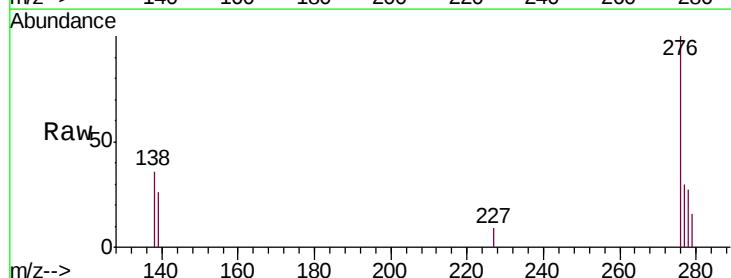
Instrument :
 BNA_N
 ClientSampleId :
 C0AB7

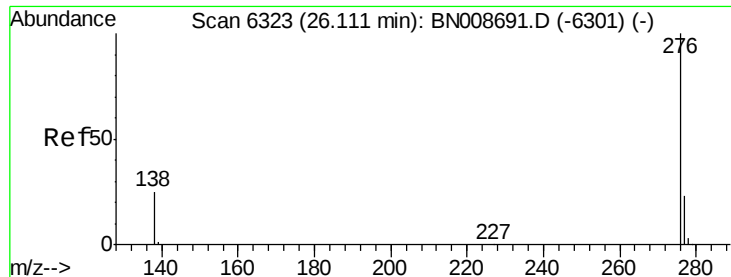
Tgt Ion:276 Resp: 13086
 Ion Ratio Lower Upper
 276 100
 138 27.7 21.7 32.5
 227 0.0 0.2 0.2#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.058 ng/ul
 RT: 25.48 min Scan# 6135
 Delta R.T. -0.00 min
 Lab File: BN008700.D
 Acq: 22 Nov 2019 06:04

Tgt Ion:278 Resp: 3277
 Ion Ratio Lower Upper
 278 100
 139 95.4 18.7 28.1#
 279 57.7 20.8 31.2#





#26

Benzo(g,h,i)perylene

Concen: 0.229 ng/ul

RT: 26.12 min Scan# 6327

Delta R.T. 0.01 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

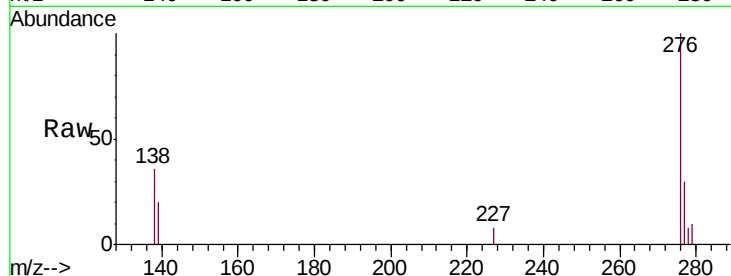
Tgt Ion:276 Resp: 13436

Ion Ratio Lower Upper

276 100

138 36.2 20.0 30.0#

277 29.9 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

