

Data File : BN008972.D
Acq On : 13 Dec 2019 17:47
Operator : JU
Sample : K6089-14DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Quant Time: Dec 13 22:58:44 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 Dec 13 22:56:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	13558	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	46603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	21067	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	32424	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14584	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	16534	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	6055	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	7223	0.07	ng/ul	0.00

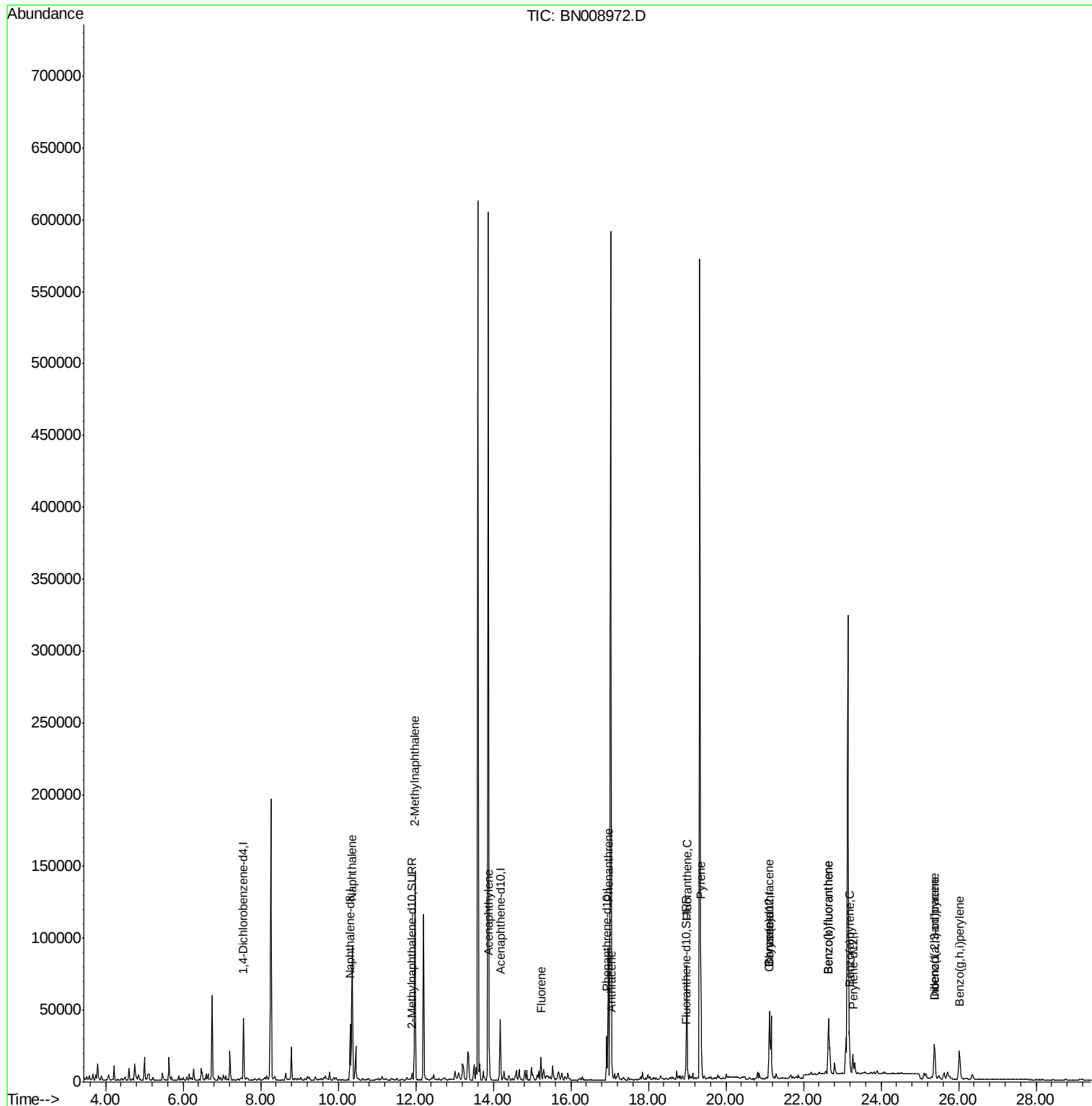
Target Compounds				Qvalue		
3) Naphthalene	10.36	128	123943	0.882	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	101320	1.033	ng/ul	100
7) Acenaphthylene	13.90	152	11655	0.100	ng/ul#	85
9) Fluorene	15.24	166	3416	0.034	ng/ul#	54
12) Phenanthrene	16.97	178	94196	0.861	ng/ul	99
13) Anthracene	17.06	178	10174	0.098	ng/ul#	95
15) Fluoranthene	18.99	202	65970	0.491	ng/ul	100
17) Pyrene	19.35	202	61215	1.046	ng/ul	99
18) Benzo(a)anthracene	21.11	228	34082	0.581	ng/ul	91
19) Chrysene	21.11	228	34082	0.592	ng/ul	94
21) Benzo(b)fluoranthene	22.64	252	75620	1.109	ng/ul	99
22) Benzo(k)fluoranthene	22.64	252	75620	1.118	ng/ul	97
23) Benzo(a)pyrene	23.18	252	34298	0.536	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.38	276	34640	0.463	ng/ul	90
25) Dibenzo(a,h)anthracene	25.39	278	9688	0.160	ng/ul#	81
26) Benzo(g,h,i)perylene	26.02	276	36951	0.590	ng/ul	98

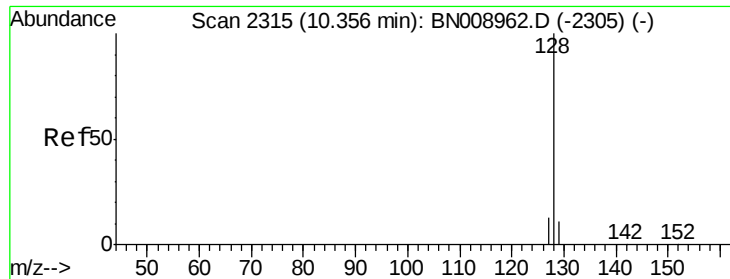
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BN008972.D
Acq On : 13 Dec 2019 17:47
Operator : JU
Sample : K6089-14DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Quant Time: Dec 13 22:58:44 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 Dec 13 22:56:27 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.882 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

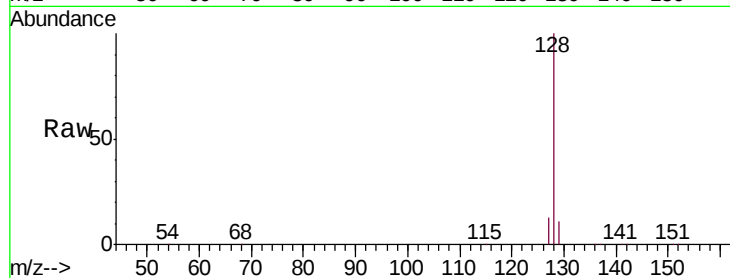
Tgt Ion:128 Resp: 123943

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

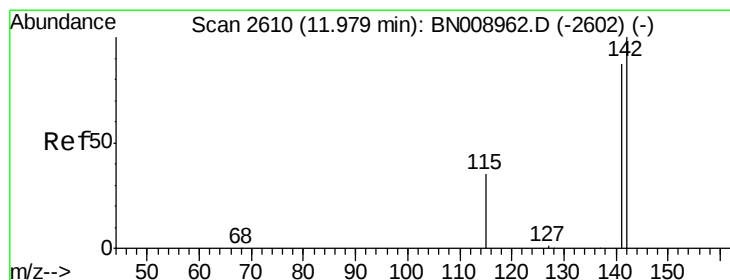
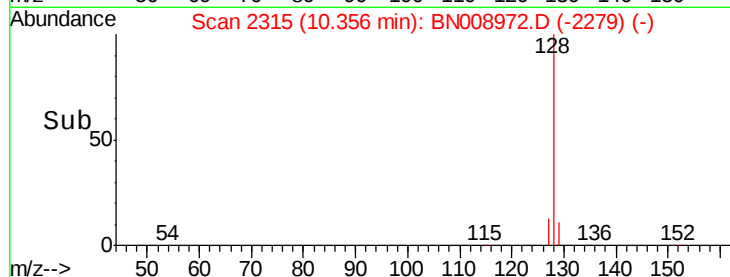
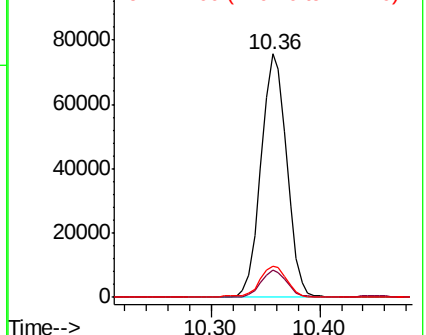
127 13.0 10.7 16.1



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: 1.033 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008972.D

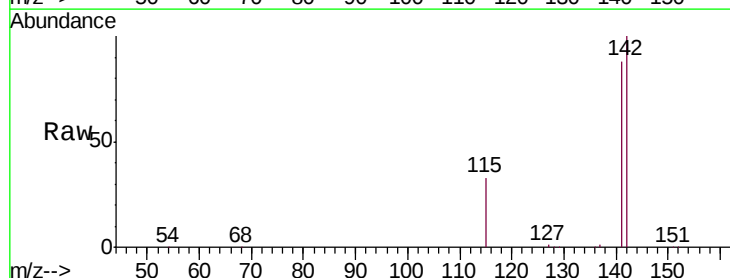
Acq: 13 Dec 2019 17:47

Tgt Ion:142 Resp: 101320

Ion Ratio Lower Upper

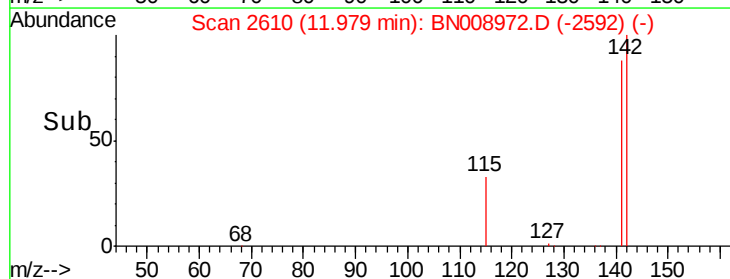
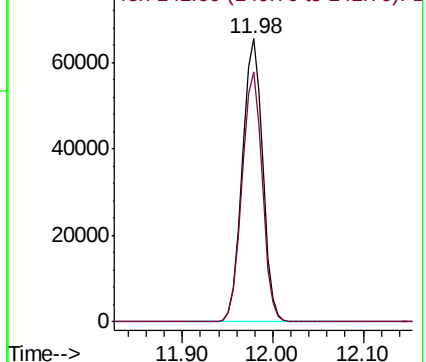
142 100

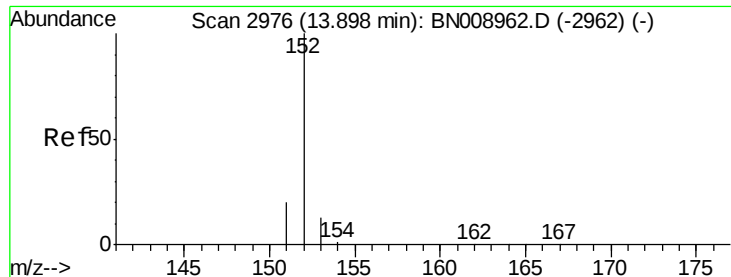
141 88.0 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.100 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

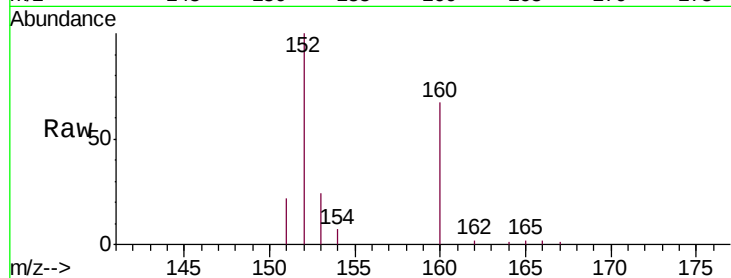
Tgt Ion:152 Resp: 11655

Ion Ratio Lower Upper

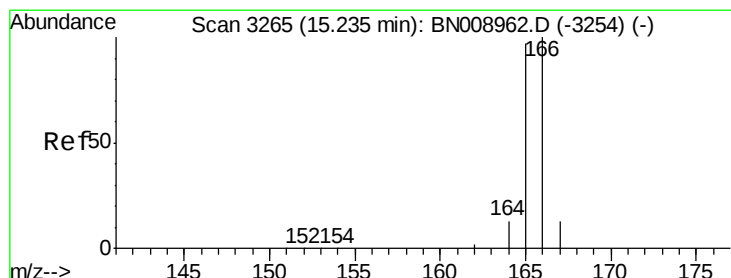
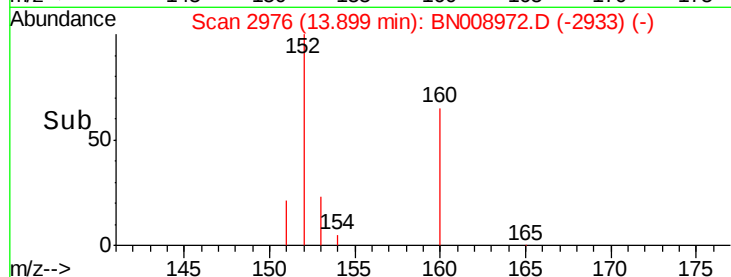
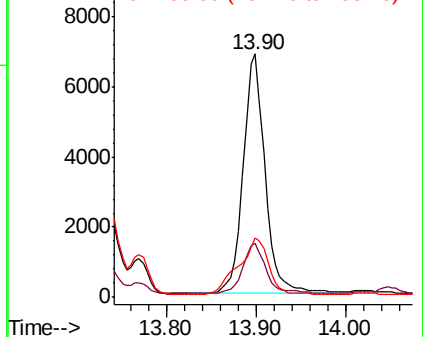
152 100

151 22.4 15.8 23.6

153 24.1 10.6 15.8#



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: 0.034 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

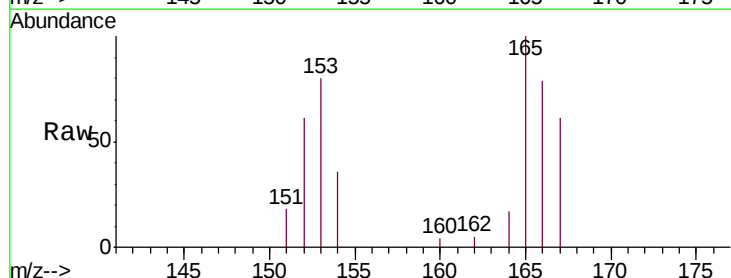
Tgt Ion:166 Resp: 3416

Ion Ratio Lower Upper

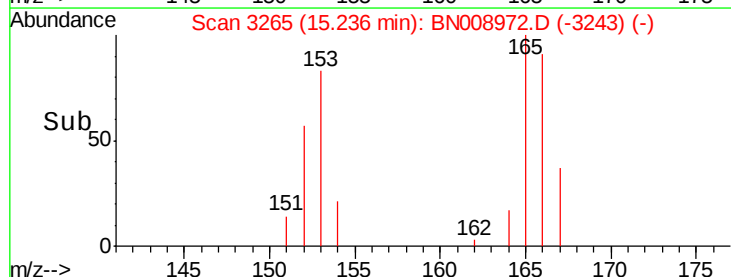
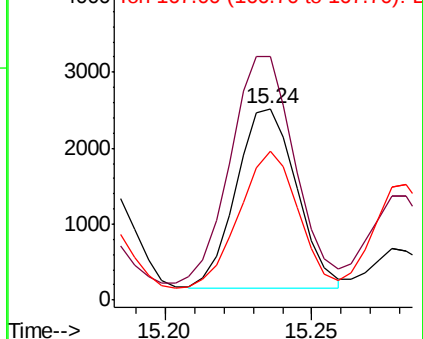
166 100

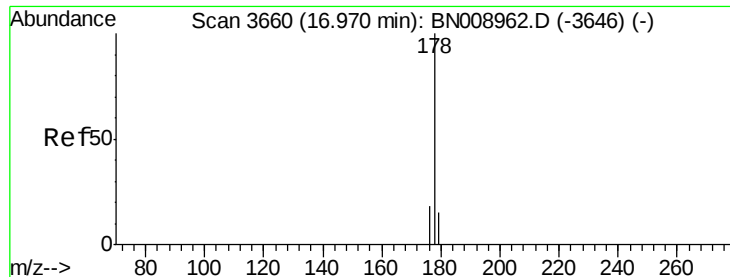
165 126.9 77.7 116.5#

167 77.7 11.1 16.7#



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: 0.861 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

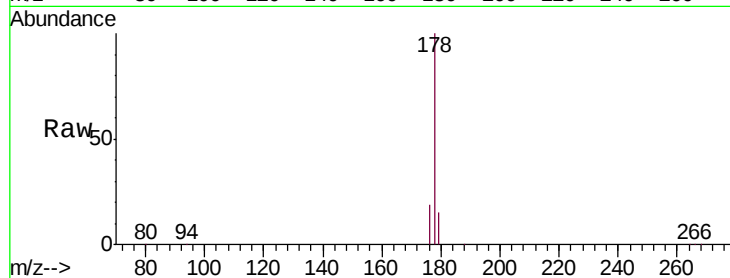
Tgt Ion:178 Resp: 94196

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

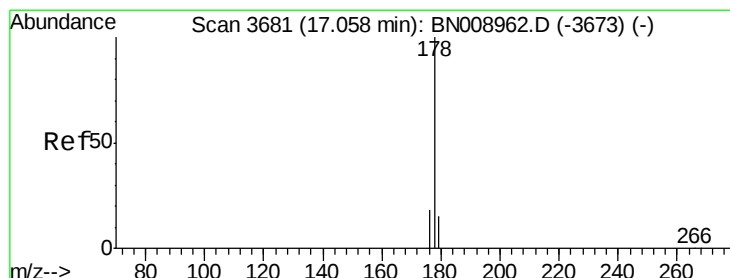
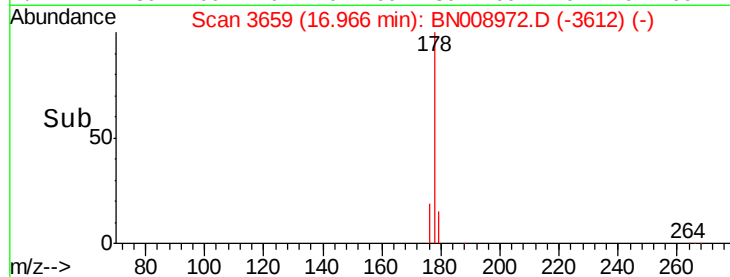
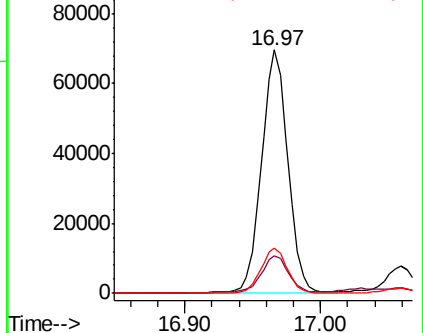
176 18.7 15.3 22.9



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



#13

Anthracene

Concen: 0.098 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

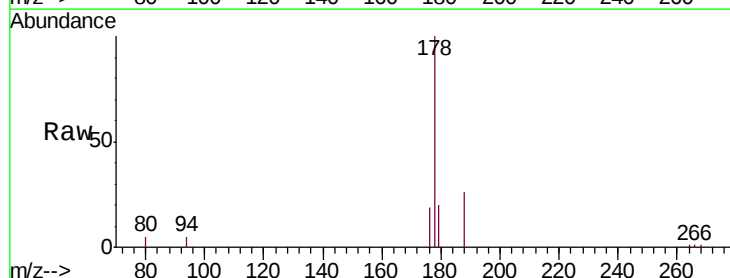
Tgt Ion:178 Resp: 10174

Ion Ratio Lower Upper

178 100

179 19.9 12.2 18.4#

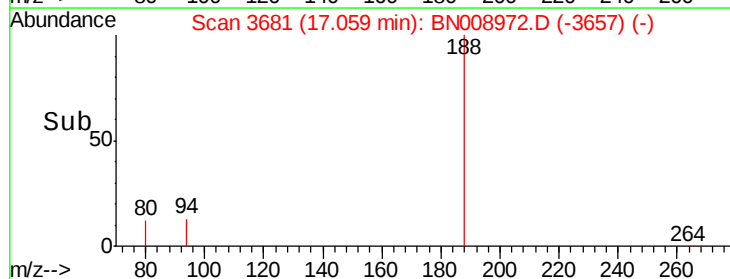
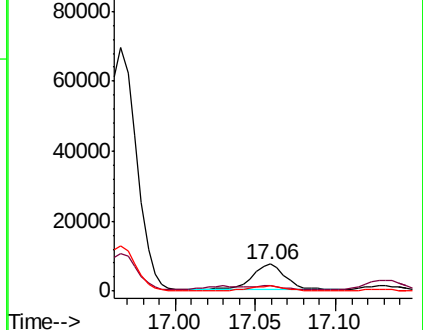
176 18.7 14.7 22.1

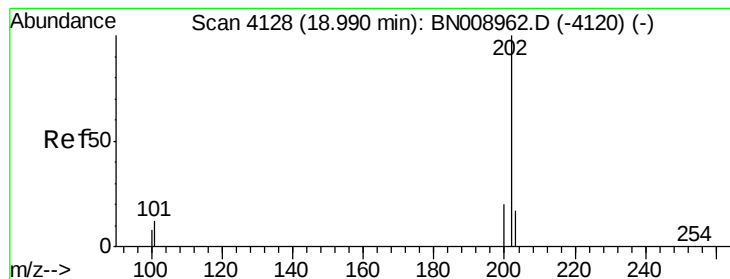


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.491 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

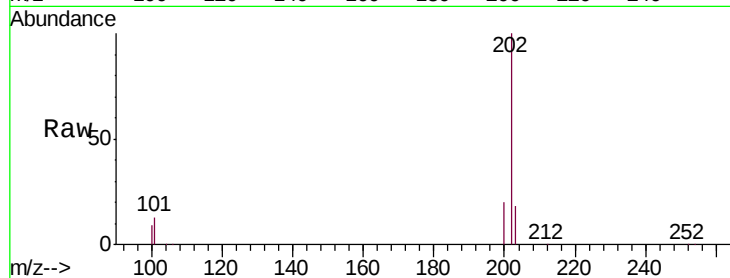
Tgt Ion:202 Resp: 65970

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

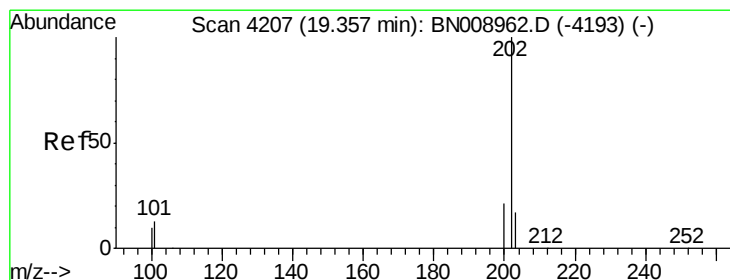
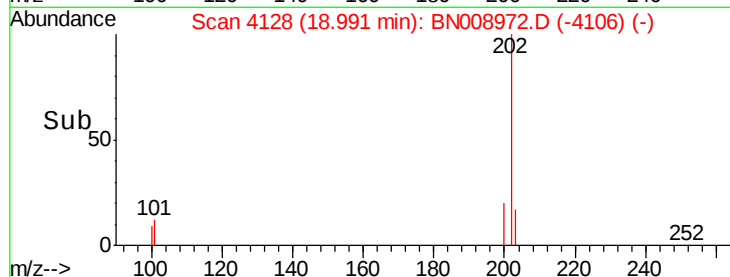
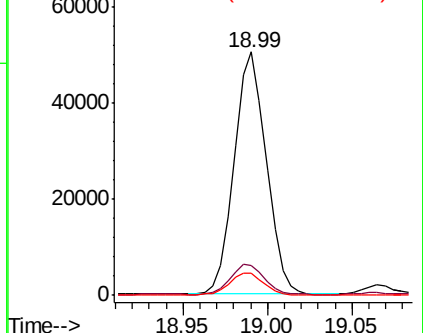
100 9.0 0.0 29.2



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



#17

Pyrene

Concen: 1.046 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

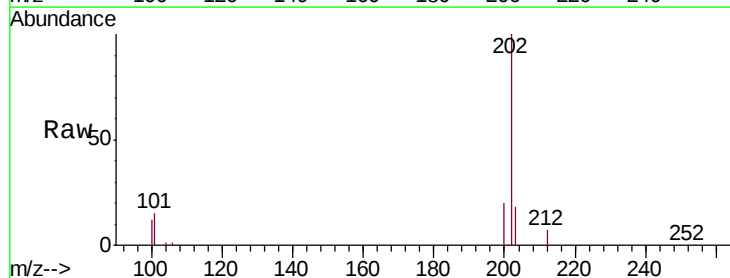
Tgt Ion:202 Resp: 61215

Ion Ratio Lower Upper

202 100

101 14.9 12.2 18.4

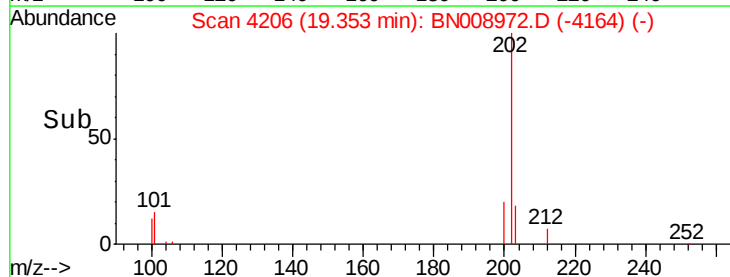
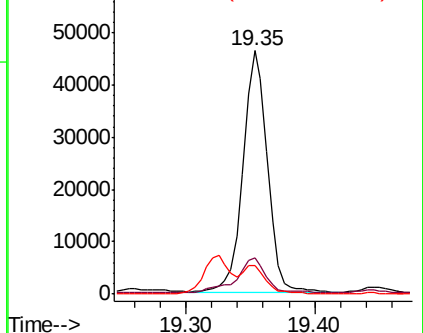
100 11.9 9.5 14.3

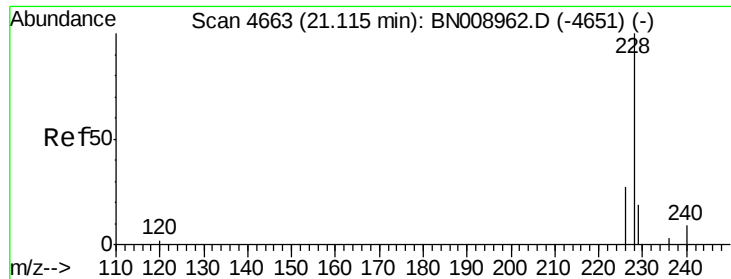


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.581 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

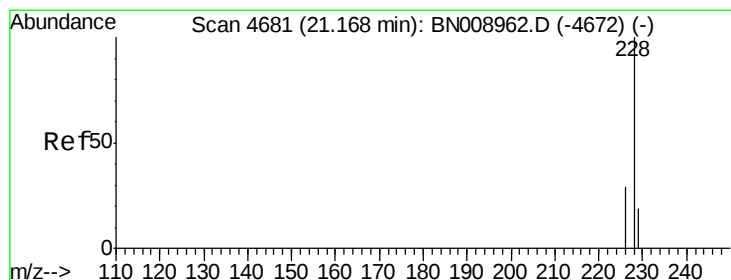
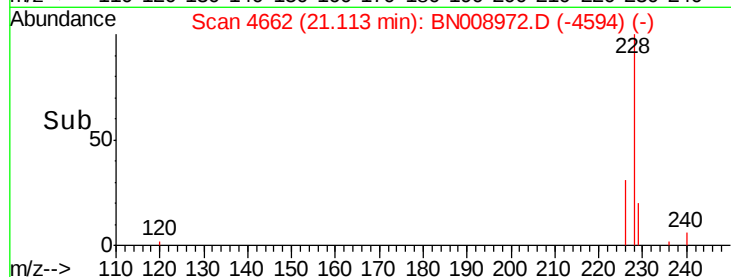
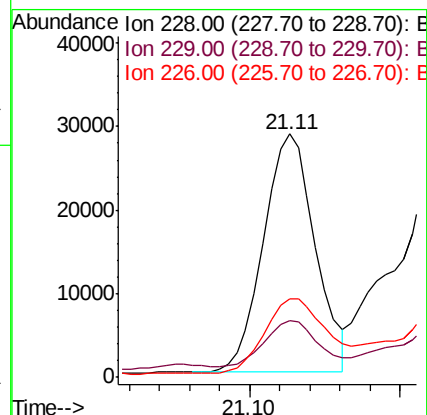
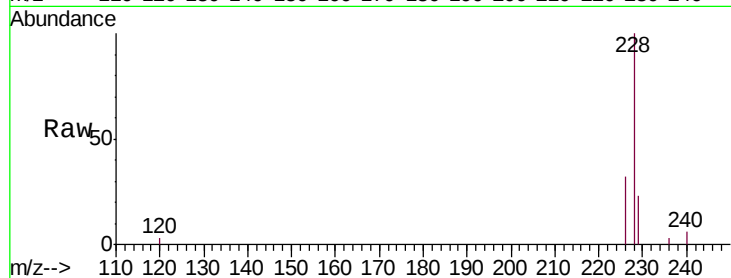
Tgt Ion:228 Resp: 34082

Ion Ratio Lower Upper

228 100

229 23.4 15.7 23.5

226 32.0 21.5 32.3



#19

Chrysene

Concen: 0.592 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.05 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

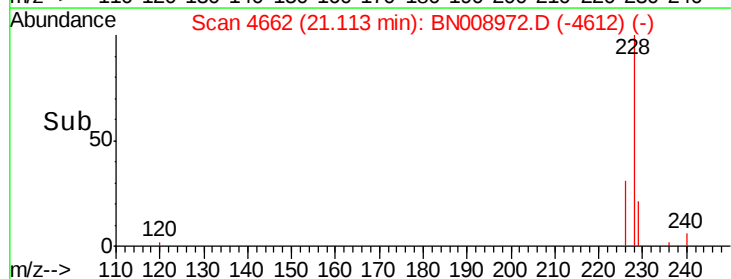
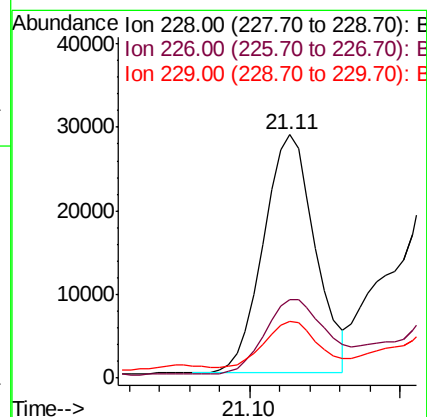
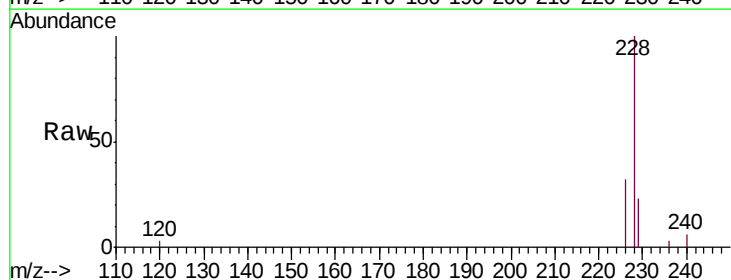
Tgt Ion:228 Resp: 34082

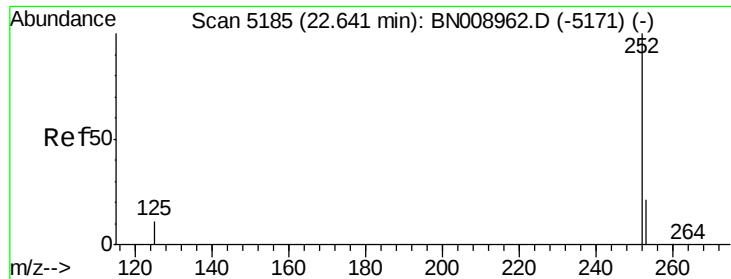
Ion Ratio Lower Upper

228 100

226 32.0 23.8 35.6

229 23.4 15.6 23.4





#21

Benzo(b)fluoranthene

Concen: 1.109 ng/u1

RT: 22.64 min Scan# 5185

Delta R.T. 0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

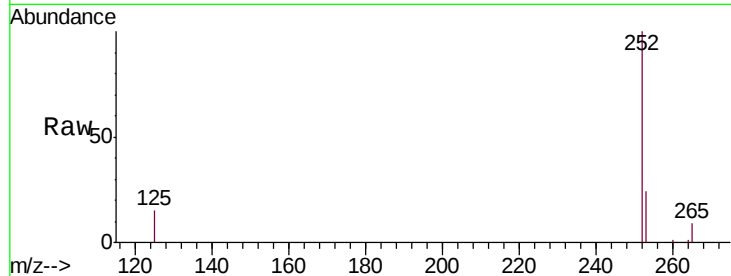
Tgt Ion:252 Resp: 75620

Ion Ratio Lower Upper

252 100

253 24.1 0.0 48.6

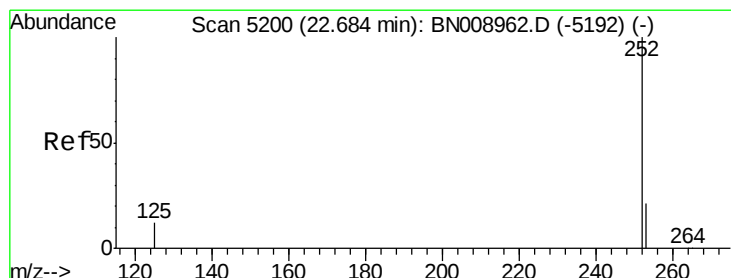
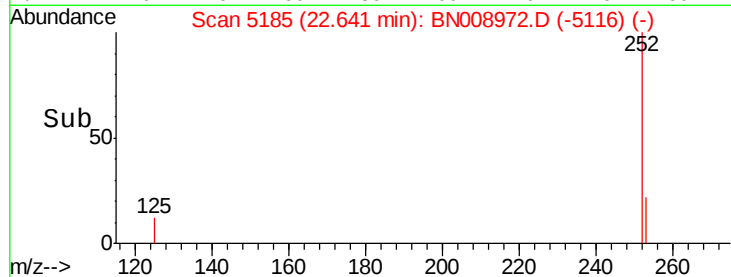
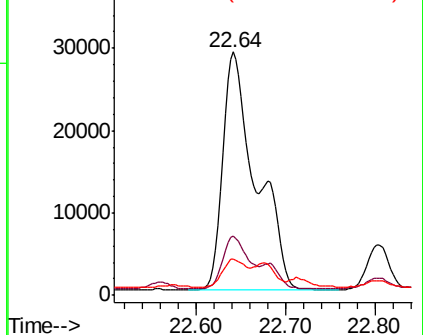
125 14.8 0.0 31.6



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: 1.118 ng/u1

RT: 22.64 min Scan# 5185

Delta R.T. -0.04 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

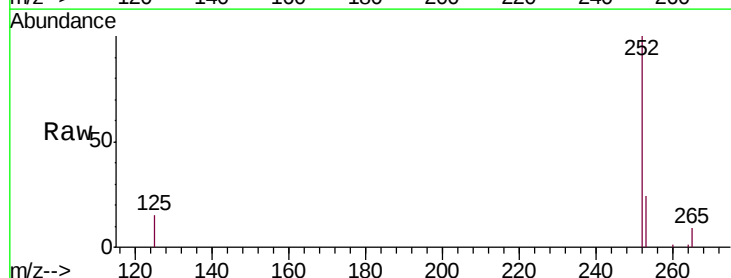
Tgt Ion:252 Resp: 75620

Ion Ratio Lower Upper

252 100

253 24.1 19.6 29.4

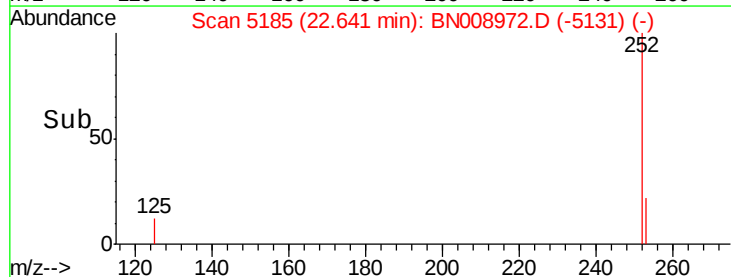
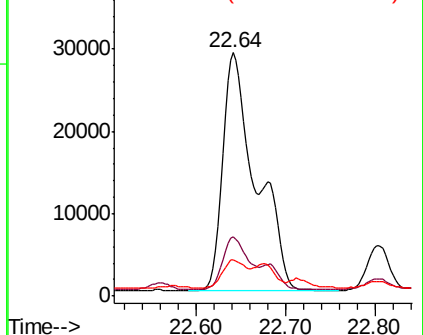
125 14.8 13.8 20.6

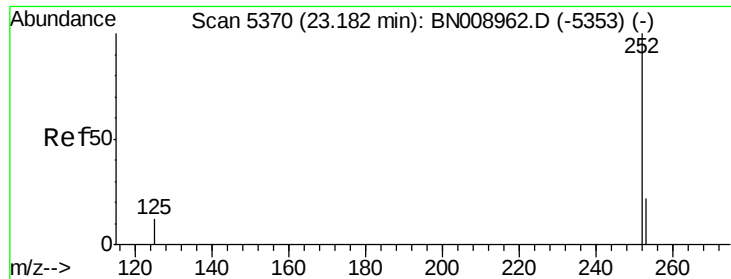


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.536 ng/ul

RT: 23.18 min Scan# 5370

Delta R.T. 0.00 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

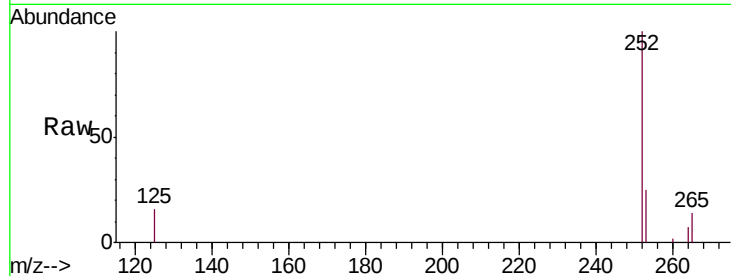
Tgt Ion:252 Resp: 34298

Ion Ratio Lower Upper

252 100

253 25.0 19.9 29.9

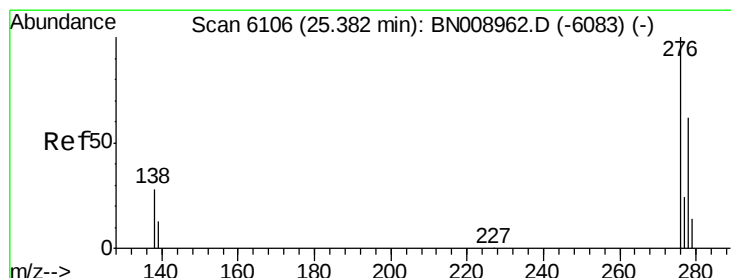
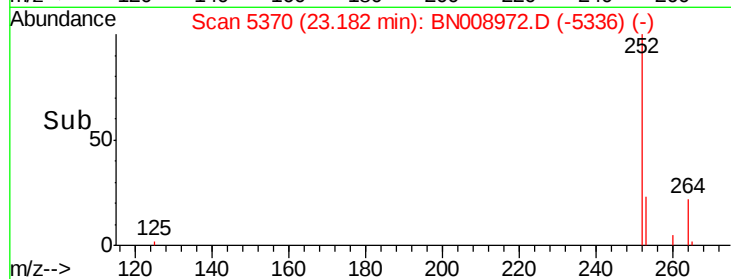
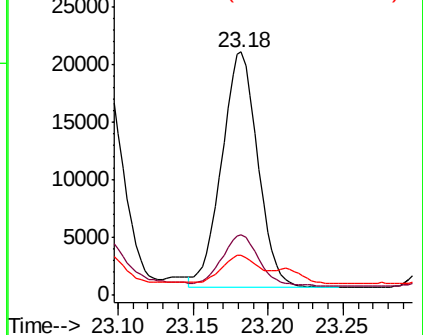
125 16.3 14.6 22.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.463 ng/ul

RT: 25.38 min Scan# 6104

Delta R.T. -0.01 min

Lab File: BN008972.D

Acq: 13 Dec 2019 17:47

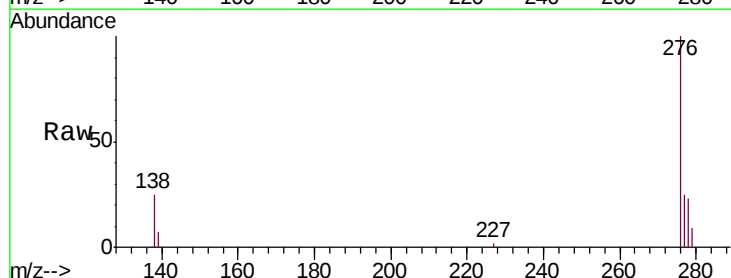
Tgt Ion:276 Resp: 34640

Ion Ratio Lower Upper

276 100

138 24.5 23.8 35.6

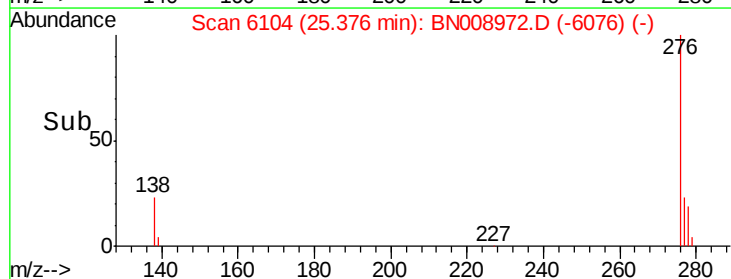
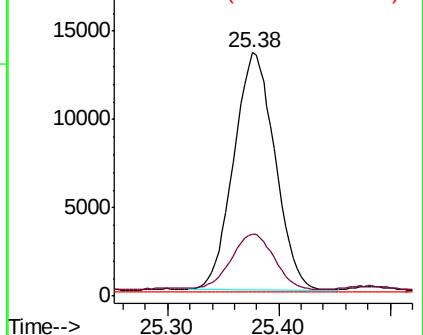
227 0.2 0.2 0.2

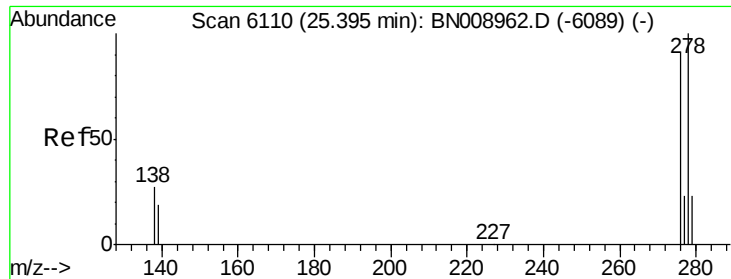


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

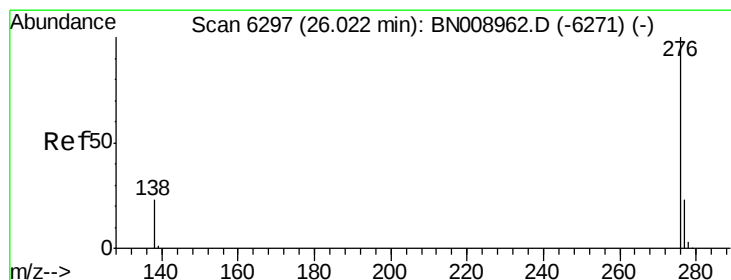
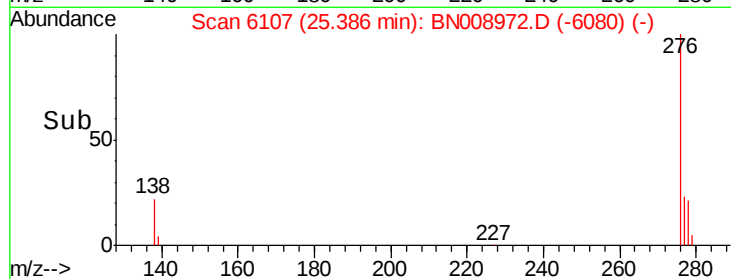
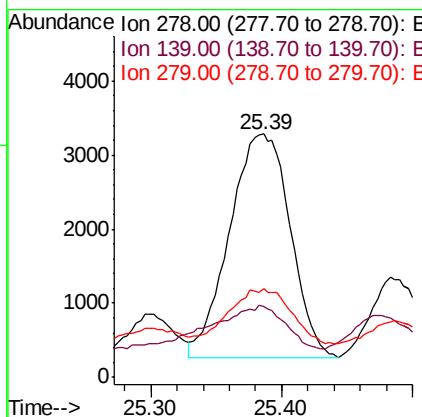
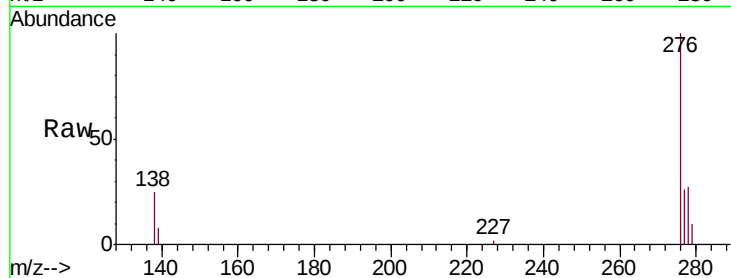




#25
Dibenzo(a,h)anthracene
Concen: 0.160 ng/u1
RT: 25.39 min Scan# 6107
Delta R.T. -0.01 min
Lab File: BN008972.D
Acq: 13 Dec 2019 17:47

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tgt Ion: 278 Resp: 9688
Ion Ratio Lower Upper
278 100
139 29.0 17.4 26.0#
279 36.6 20.5 30.7#



#26
Benzo(g,h,i)perylene
Concen: 0.590 ng/u1
RT: 26.02 min Scan# 6296
Delta R.T. -0.00 min
Lab File: BN008972.D
Acq: 13 Dec 2019 17:47

Tgt Ion: 276 Resp: 36951
Ion Ratio Lower Upper
276 100
138 25.3 21.9 32.9
277 24.5 19.9 29.9

