

Data File : BN008975.D
Acq On : 13 Dec 2019 20:11
Operator : JU
Sample : K6089-05DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BQ3DL

Quant Time: Dec 13 23:25:11 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 23:22:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2523	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11145	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7227	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16076	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13602	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	12486	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	7715	0.42	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	25150	0.51	ng/ul	0.00

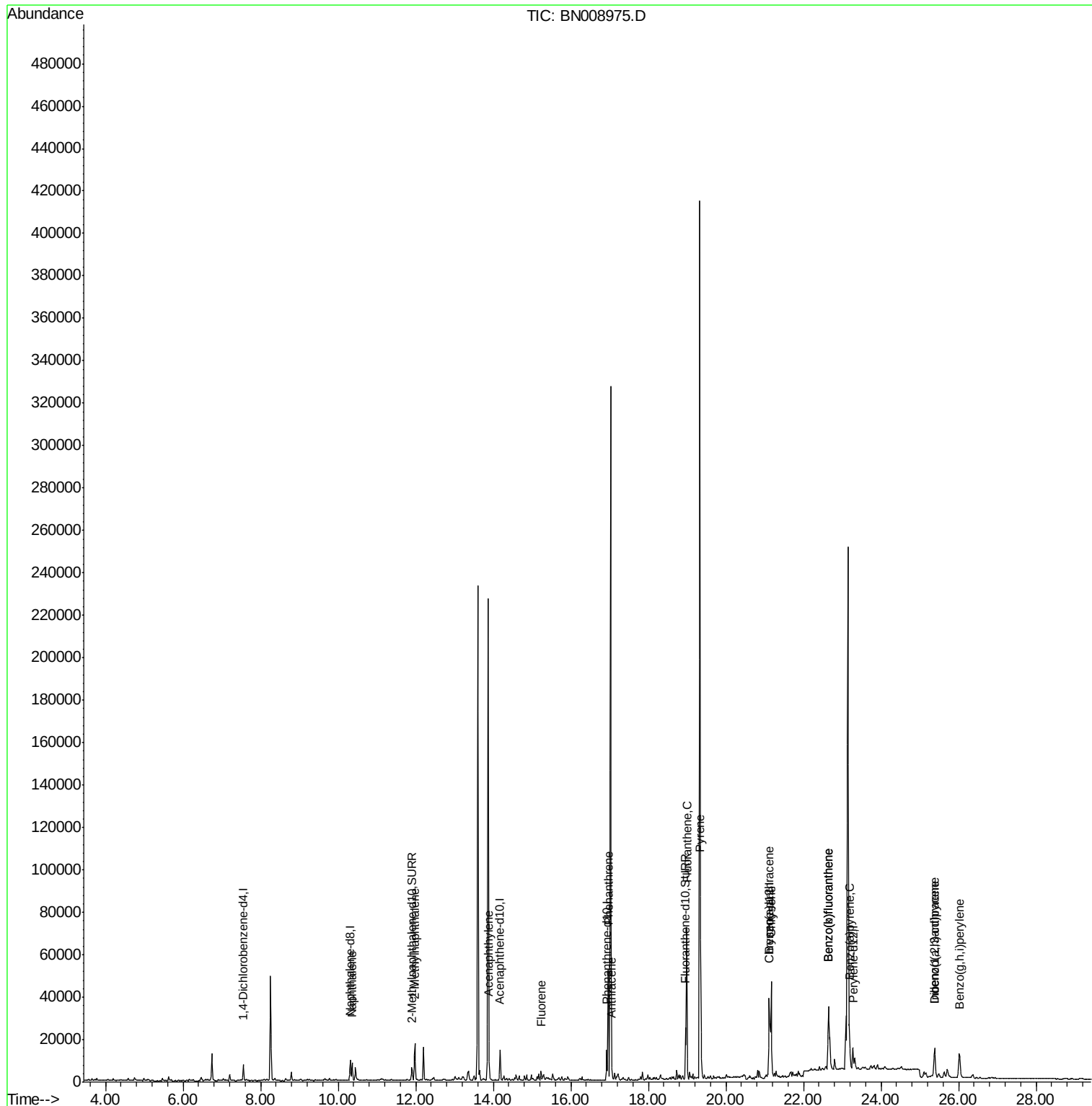
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	11116	0.331	ng/ul	100
5) 2-Methylnaphthalene	11.98	142	12493	0.532	ng/ul	100
7) Acenaphthylene	13.90	152	4747	0.119	ng/ul#	93
9) Fluorene	15.24	166	1802	0.052	ng/ul#	77
12) Phenanthrene	16.97	178	53798	0.992	ng/ul	100
13) Anthracene	17.06	178	3534	0.069	ng/ul#	90
15) Fluoranthene	18.99	202	58573	0.879	ng/ul	99
17) Pyrene	19.35	202	49720	0.911	ng/ul	99
18) Benzo(a)anthracene	21.12	228	27581	0.504	ng/ul#	91
19) Chrysene	21.17	228	49041	0.913	ng/ul#	95
21) Benzo(b)fluoranthene	22.64	252	60326	1.172	ng/ul	99
22) Benzo(k)fluoranthene	22.64	252	60326	1.181	ng/ul	98
23) Benzo(a)pyrene	23.19	252	25663	0.531	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.39	276	18679	0.330	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.39	278	6673	0.146	ng/ul#	73
26) Benzo(g,h,i)perylene	26.03	276	21884	0.463	ng/ul	99

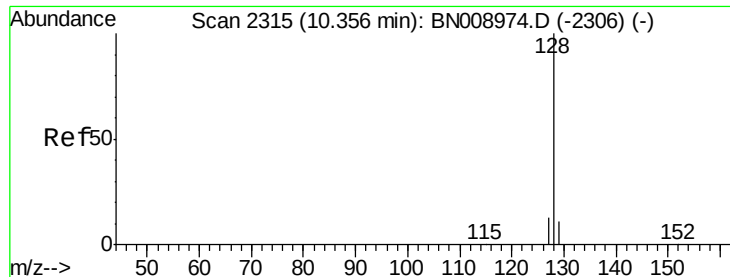
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.331 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

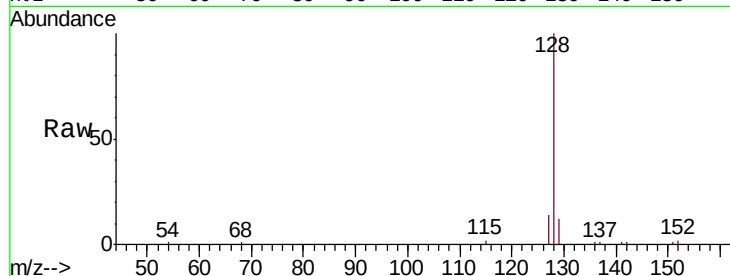
Tgt Ion:128 Resp: 11116

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

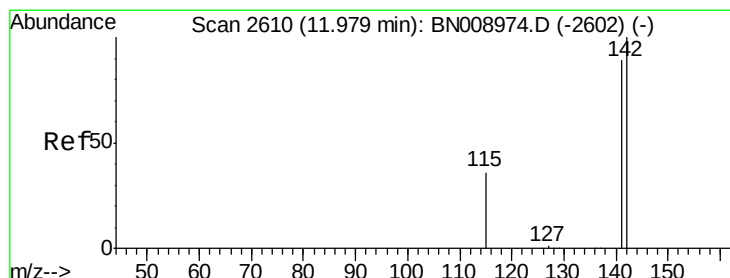
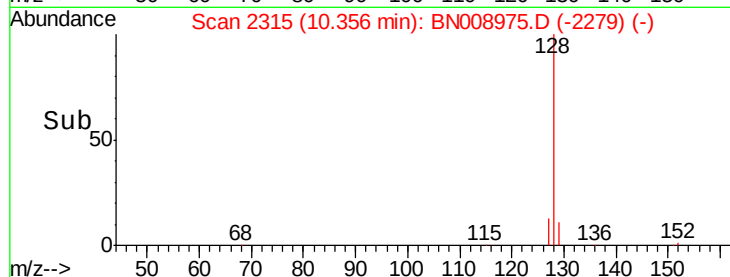
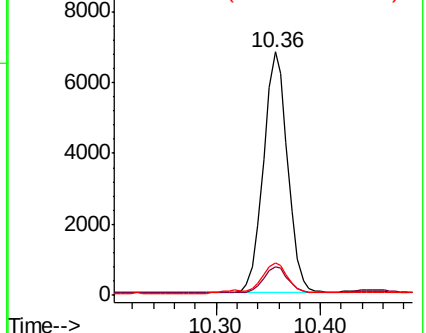
127 13.5 10.7 16.1



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: 0.532 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008975.D

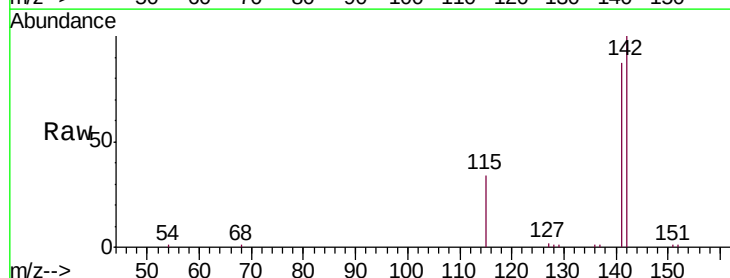
Acq: 13 Dec 2019 20:11

Tgt Ion:142 Resp: 12493

Ion Ratio Lower Upper

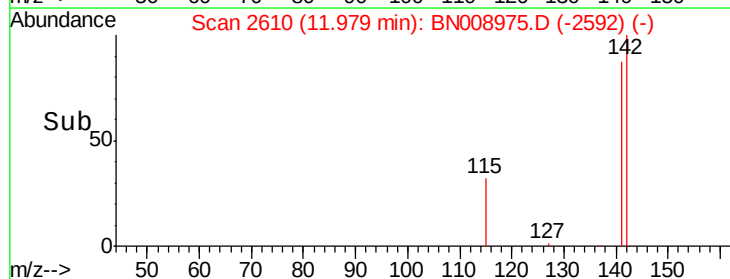
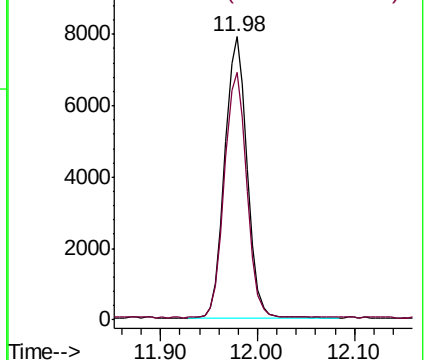
142 100

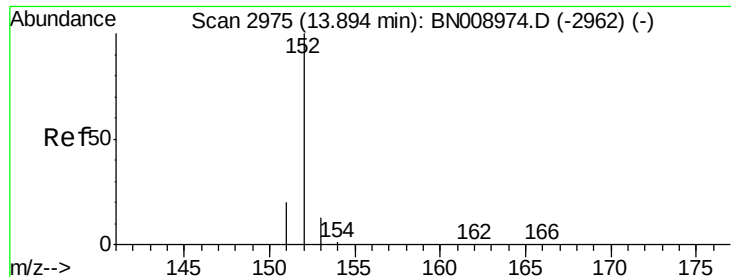
141 87.7 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.119 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

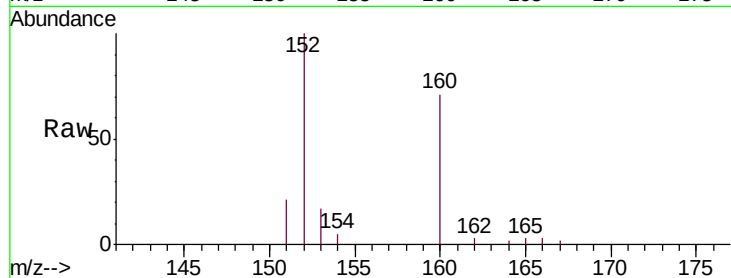
Tgt Ion:152 Resp: 4747

Ion Ratio Lower Upper

152 100

151 21.4 15.8 23.6

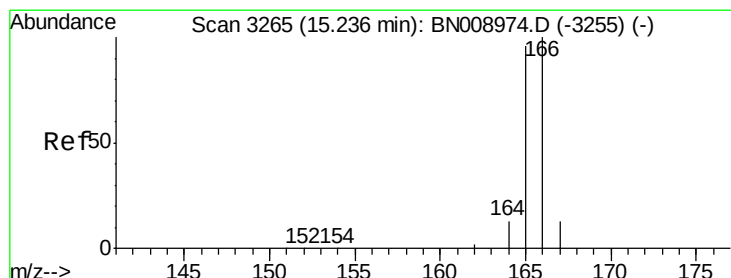
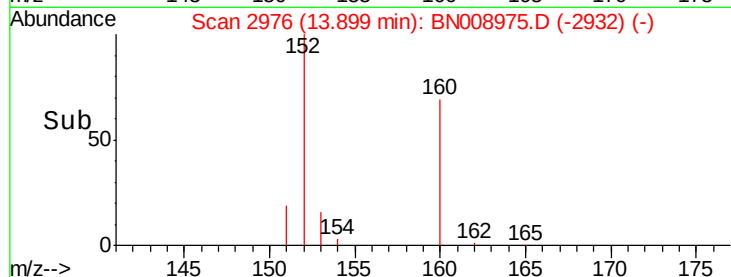
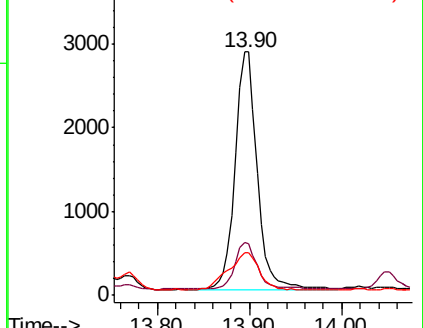
153 17.5 10.6 15.8#



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: 0.052 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

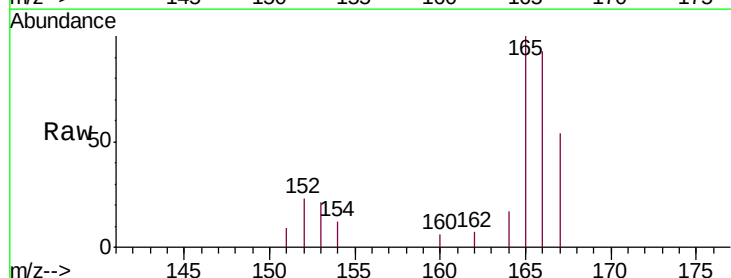
Tgt Ion:166 Resp: 1802

Ion Ratio Lower Upper

166 100

165 107.8 77.7 116.5

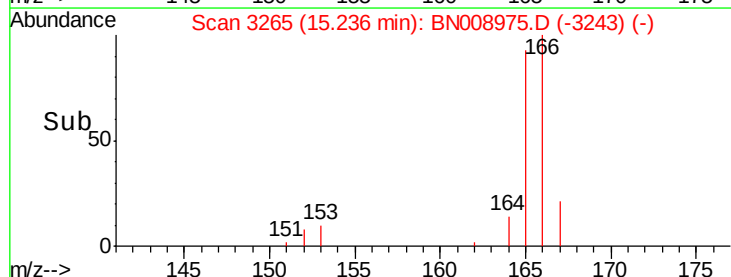
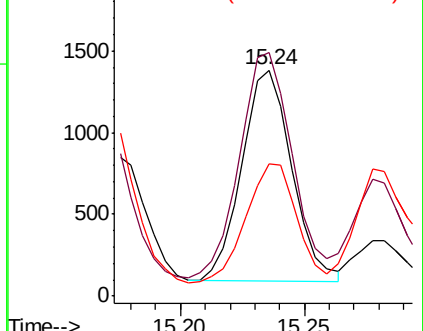
167 58.7 11.1 16.7#

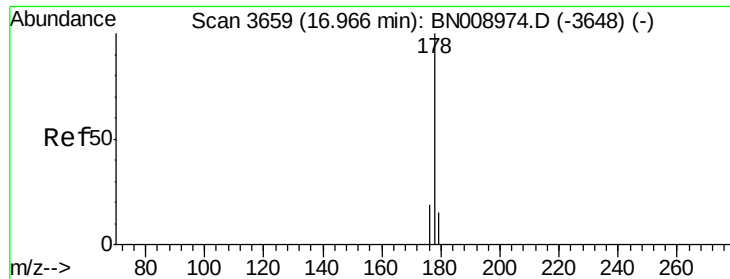


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.992 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

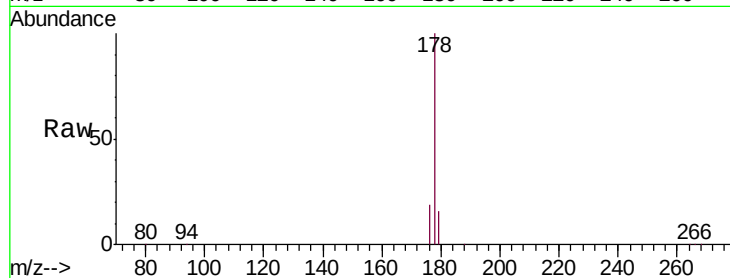
Tgt Ion:178 Resp: 53798

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

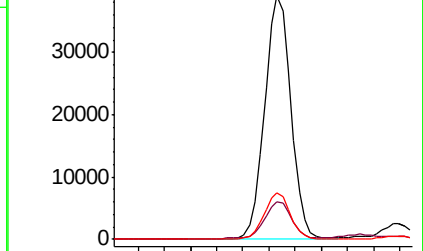
176 18.9 15.3 22.9



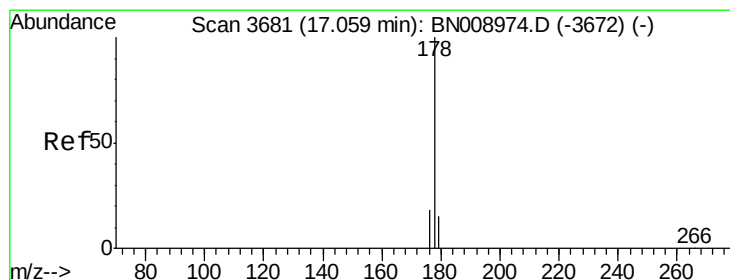
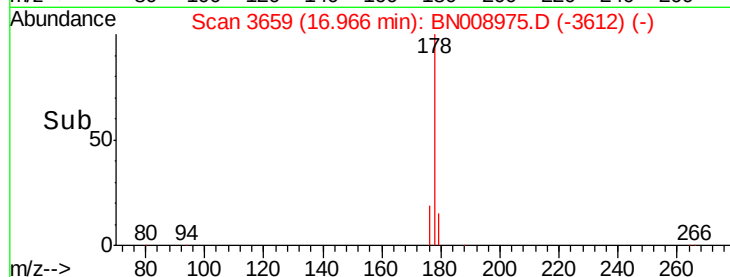
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.069 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

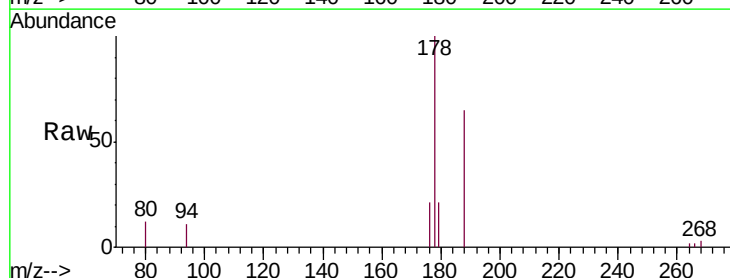
Tgt Ion:178 Resp: 3534

Ion Ratio Lower Upper

178 100

179 21.5 12.2 18.4#

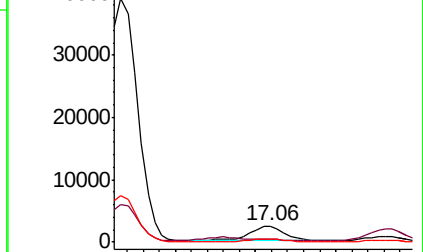
176 21.1 14.7 22.1



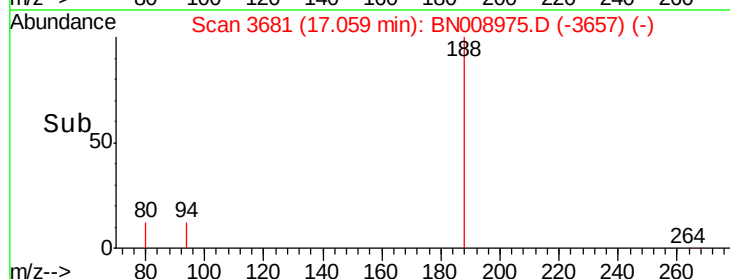
Abundance Ion 178.00 (177.70 to 178.70): E

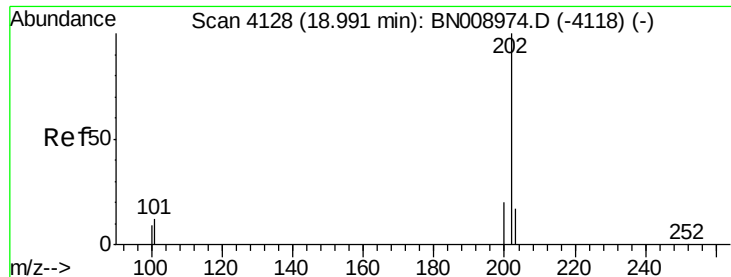
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#15

Fluoranthene

Concen: 0.879 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

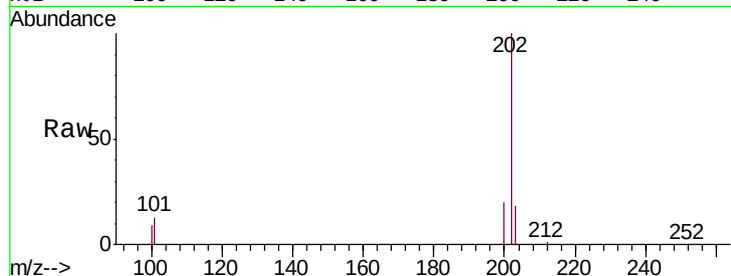
Tgt Ion:202 Resp: 58573

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.4

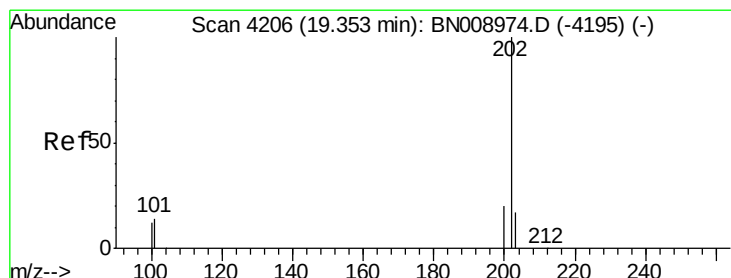
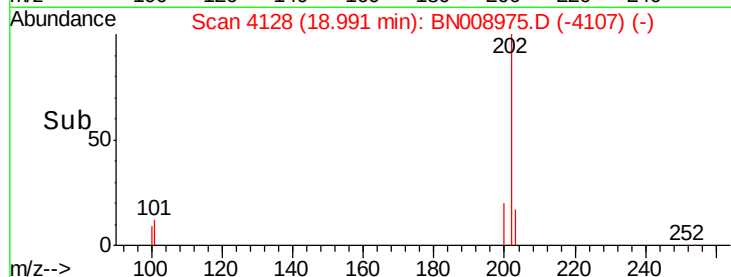
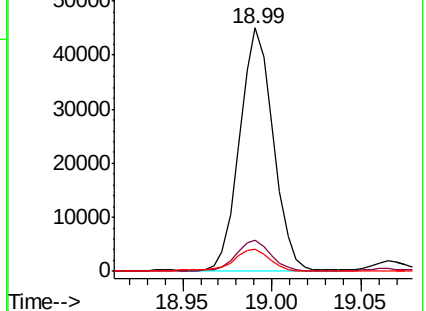
100 9.3 0.0 29.2



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: 0.911 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

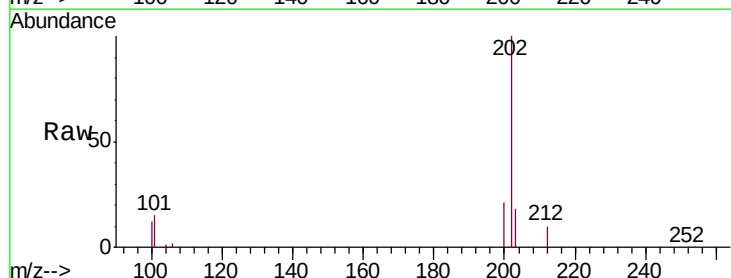
Tgt Ion:202 Resp: 49720

Ion Ratio Lower Upper

202 100

101 15.0 12.2 18.4

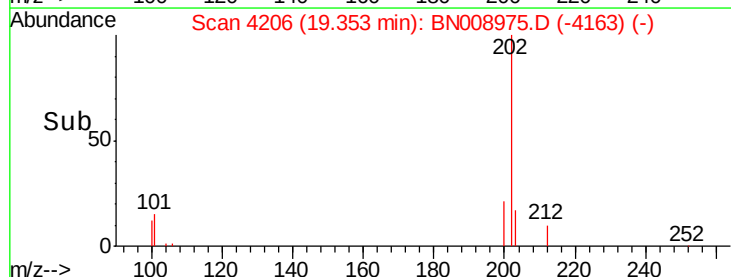
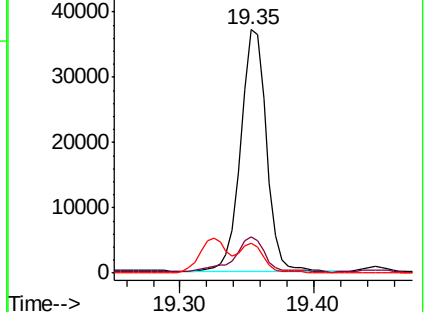
100 12.2 9.5 14.3

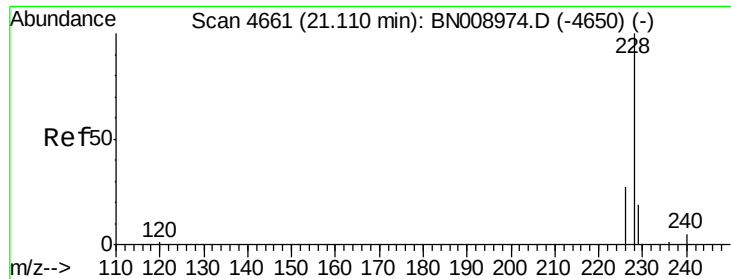


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.504 ng/ul

RT: 21.12 min Scan# 4663

Delta R.T. 0.01 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

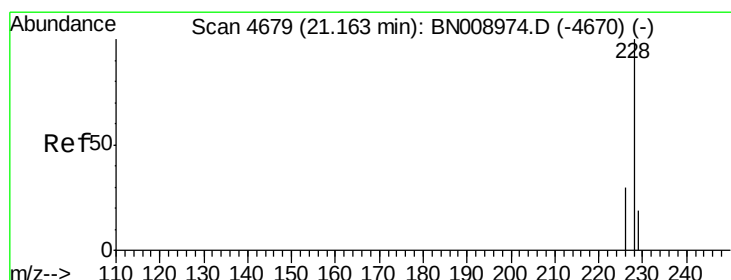
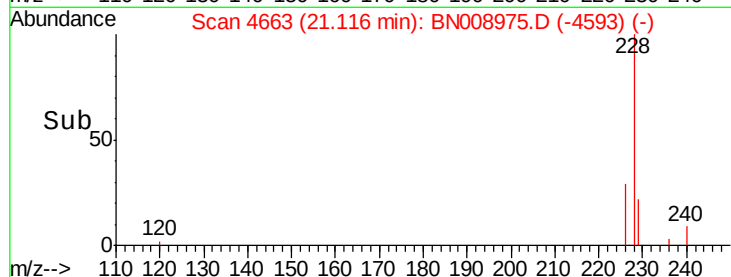
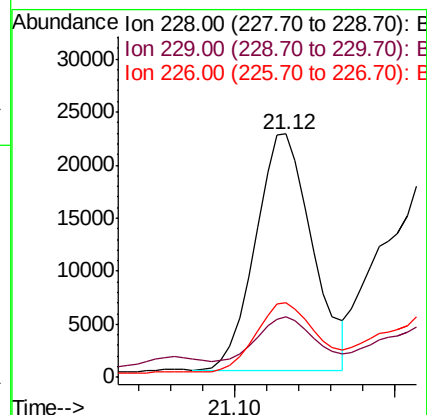
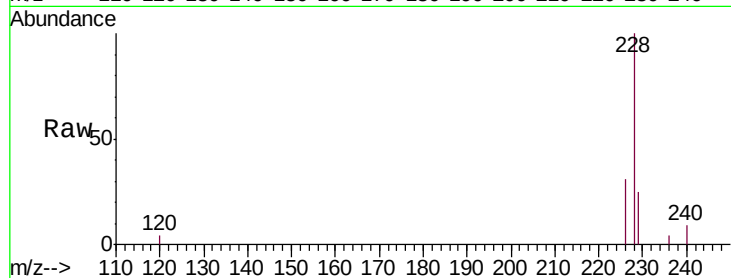
Tgt Ion:228 Resp: 27581

Ion Ratio Lower Upper

228 100

229 24.7 15.7 23.5#

226 30.5 21.5 32.3



#19

Chrysene

Concen: 0.913 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. 0.01 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

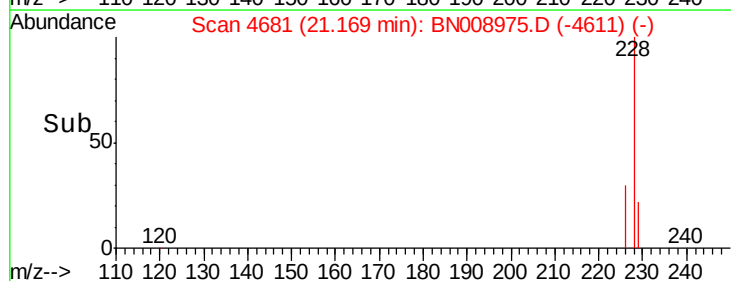
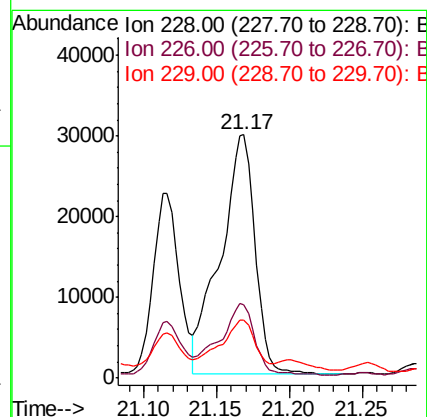
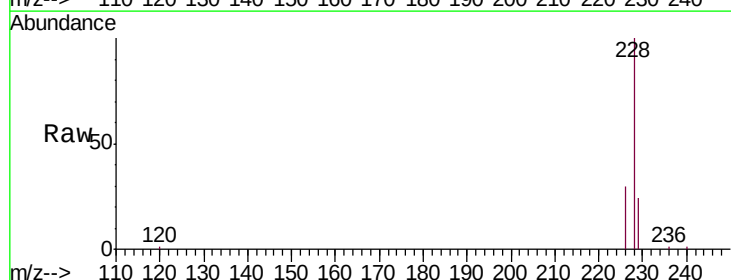
Tgt Ion:228 Resp: 49041

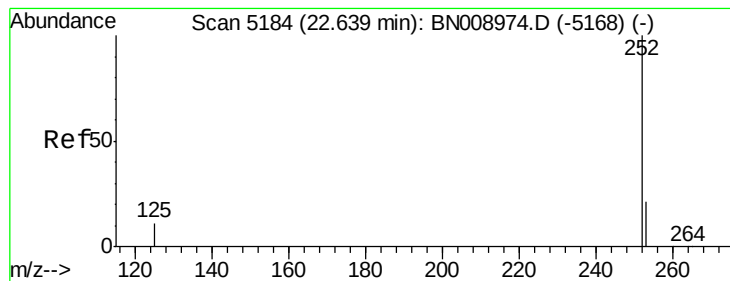
Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 24.0 15.6 23.4#





#21

Benzo(b)fluoranthene

Concen: 1.172 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. 0.01 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

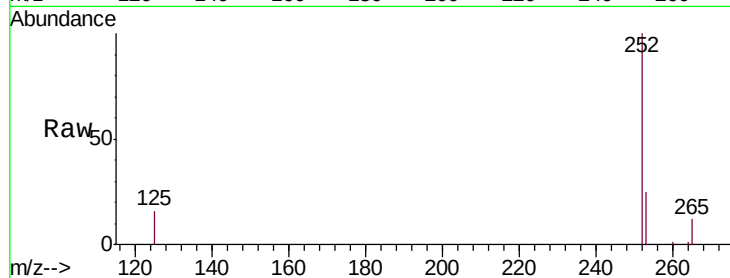
Tgt Ion:252 Resp: 60326

Ion Ratio Lower Upper

252 100

253 25.1 0.0 48.6

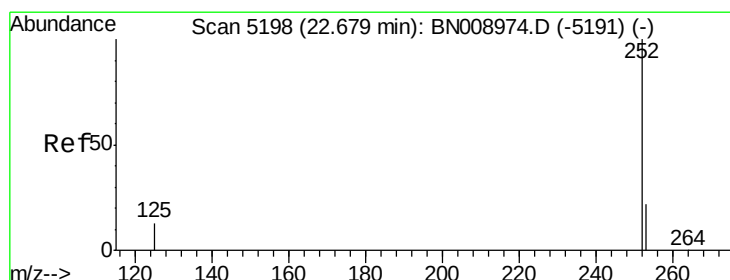
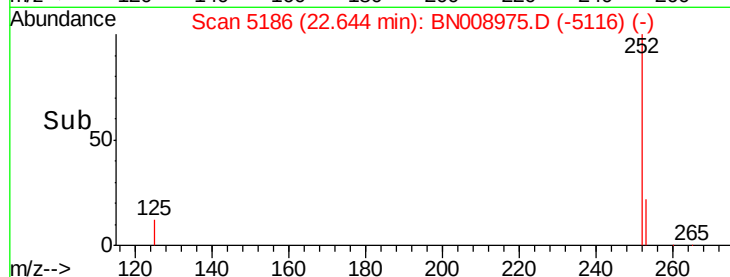
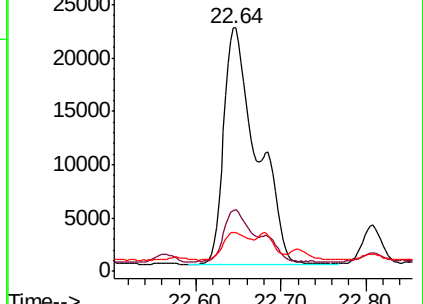
125 16.0 0.0 31.6



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: 1.181 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.04 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

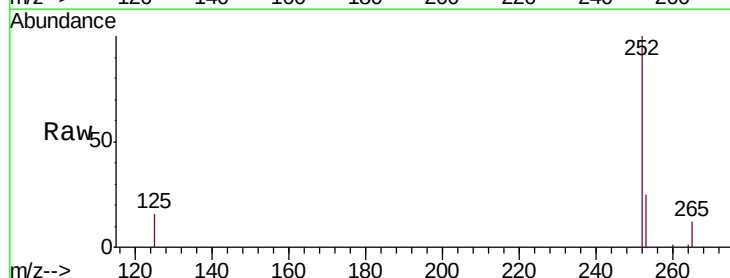
Tgt Ion:252 Resp: 60326

Ion Ratio Lower Upper

252 100

253 25.1 19.6 29.4

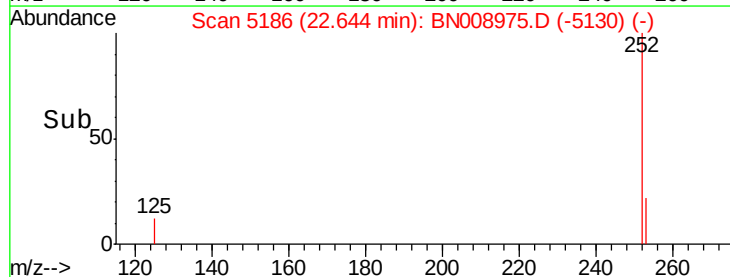
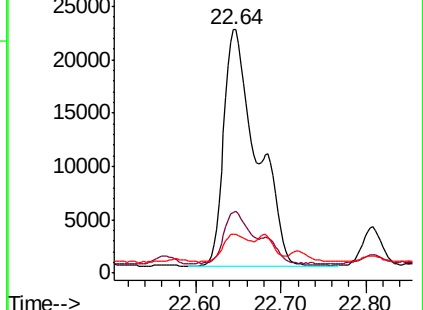
125 16.0 13.8 20.6

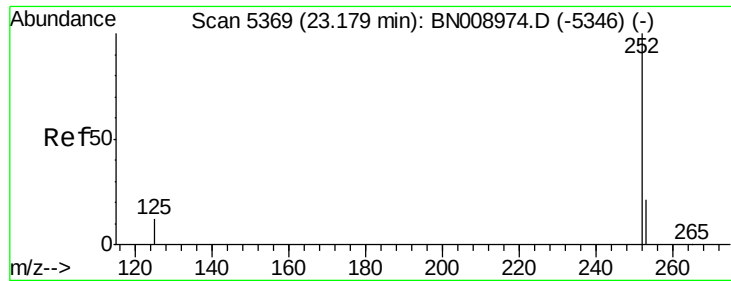


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.531 ng/ul

RT: 23.19 min Scan# 5371

Delta R.T. 0.01 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

Instrument :

BNA_N

ClientSampleId :

C0BQ3DL

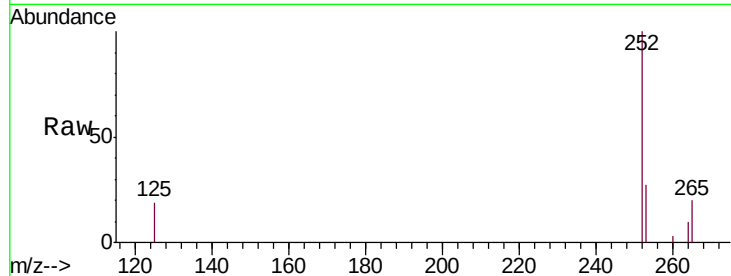
Tgt Ion: 252 Resp: 25663

Ion Ratio Lower Upper

252 100

253 26.6 19.9 29.9

125 18.5 14.6 22.0

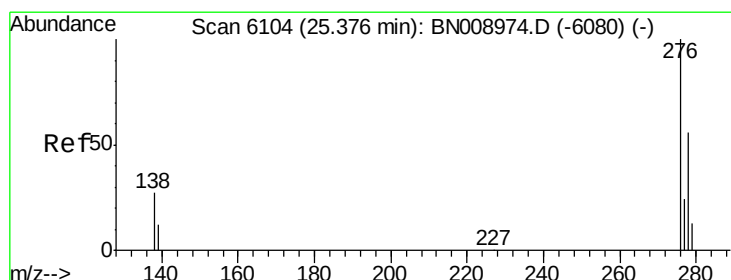
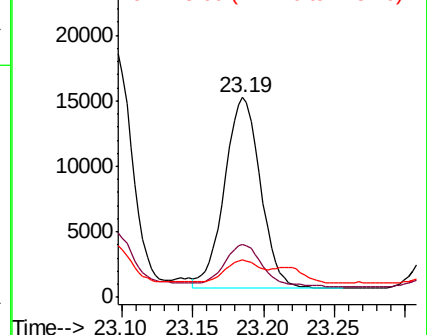
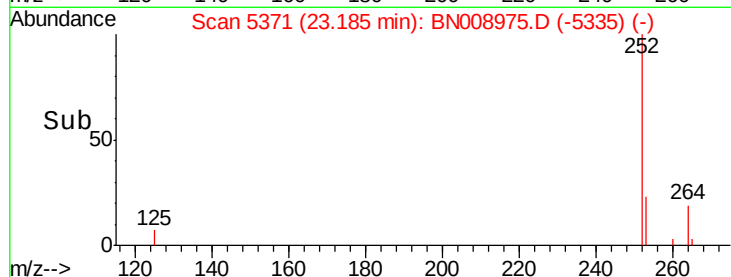


Abundance

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: 0.330 ng/ul

RT: 25.39 min Scan# 6107

Delta R.T. 0.01 min

Lab File: BN008975.D

Acq: 13 Dec 2019 20:11

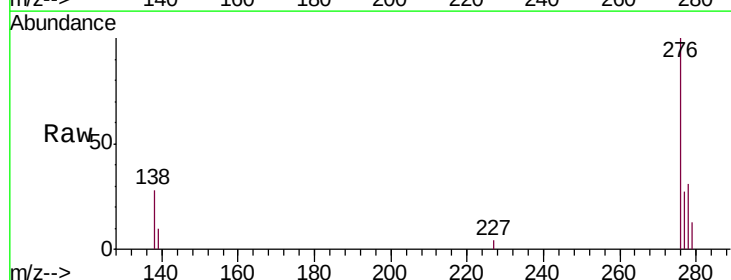
Tgt Ion: 276 Resp: 18679

Ion Ratio Lower Upper

276 100

138 26.5 23.8 35.6

227 0.8 0.2 0.2#

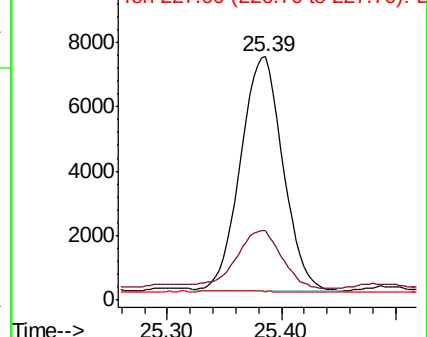
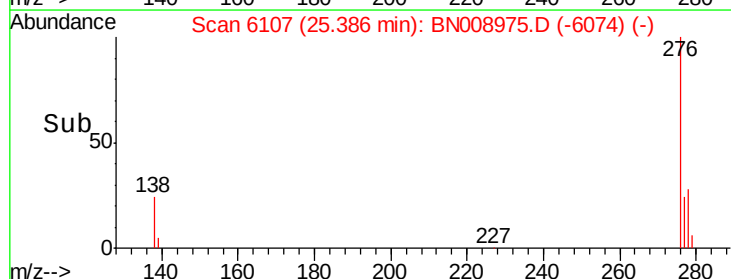


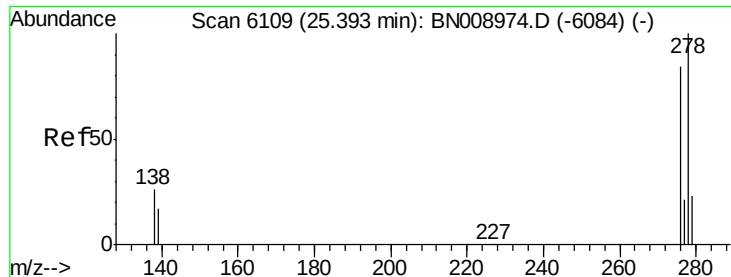
Abundance

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

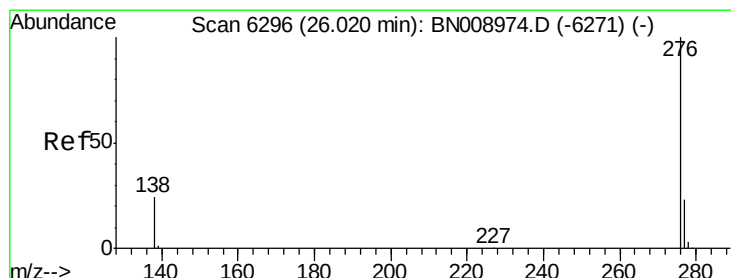
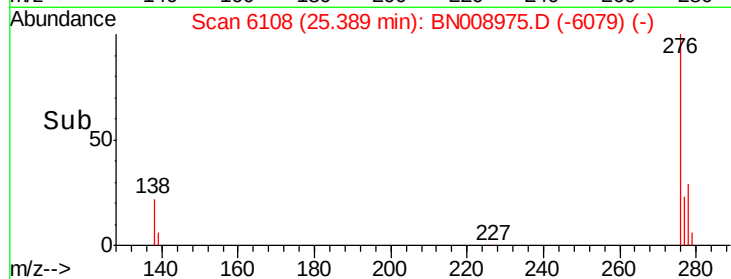
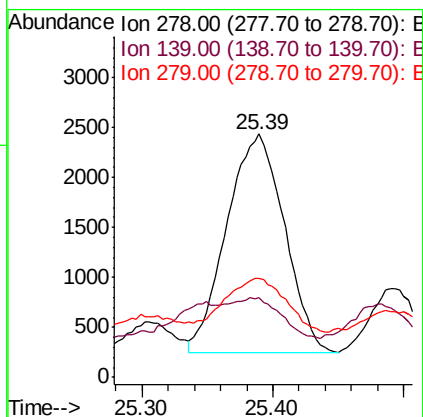
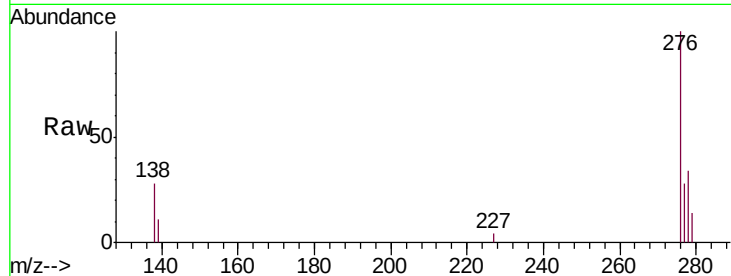




#25
Dibenzo(a,h)anthracene
Concen: 0.146 ng/ul
RT: 25.39 min Scan# 6108
Delta R.T. -0.00 min
Lab File: BN008975.D
Acq: 13 Dec 2019 20:11

Instrument :
BNA_N
ClientSampleId :
C0BQ3DL

Tgt Ion: 278 Resp: 6673
Ion Ratio Lower Upper
278 100
139 32.7 17.4 26.0#
279 40.7 20.5 30.7#



#26
Benzo(g,h,i)perylene
Concen: 0.463 ng/ul
RT: 26.03 min Scan# 6298
Delta R.T. 0.01 min
Lab File: BN008975.D
Acq: 13 Dec 2019 20:11

Tgt Ion: 276 Resp: 21884
Ion Ratio Lower Upper
276 100
138 26.8 21.9 32.9
277 25.5 19.9 29.9

