

Data File : BN008973.D
Acq On : 13 Dec 2019 18:23
Operator : JU
Sample : K6089-19DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BR5DL

Quant Time: Dec 13 22:58:57 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	7.55	152	2438	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10978	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7266	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16916	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14406	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	13744	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	1715	0.10	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	5074	0.10	ng/ul	0.00

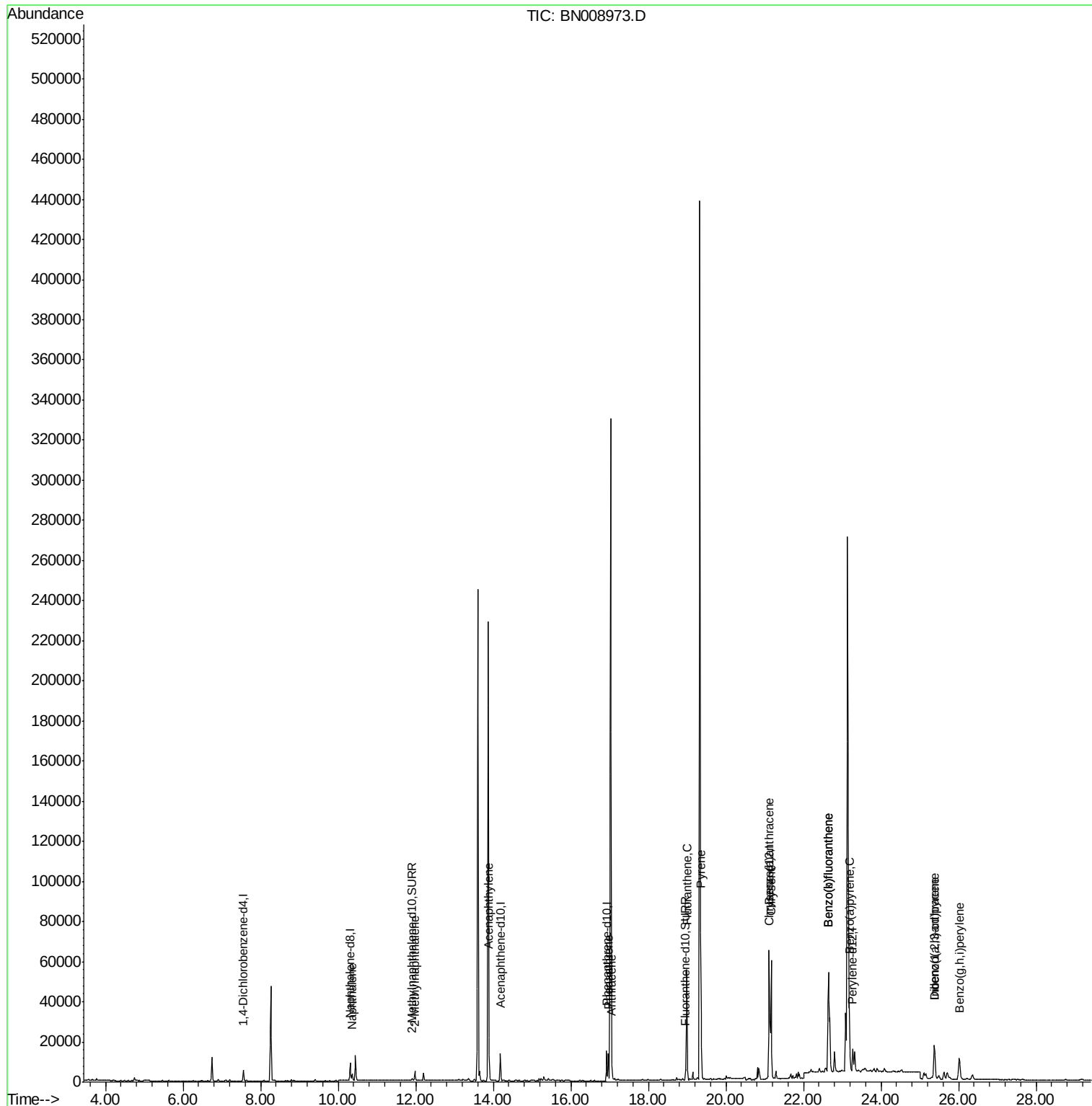
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	4376	0.132	ng/ul	96
5) 2-Methylnaphthalene	11.98	142	3400	0.147	ng/ul	99
7) Acenaphthylene	13.89	152	9040	0.225	ng/ul	98
12) Phenanthrene	16.97	178	13672	0.240	ng/ul	99
13) Anthracene	17.06	178	5986	0.111	ng/ul	96
15) Fluoranthene	18.99	202	46103	0.658	ng/ul	100
17) Pyrene	19.35	202	44888	0.777	ng/ul	99
18) Benzo(a)anthracene	21.11	228	48292	0.834	ng/ul	94
19) Chrysene	21.16	228	60403	1.062	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	103048	1.818	ng/ul	97
22) Benzo(k)fluoranthene	22.64	252	103048	1.833	ng/ul	96
23) Benzo(a)pyrene	23.18	252	43557	0.819	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.38	276	24322	0.391	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.38	278	7202	0.143	ng/ul#	85
26) Benzo(g,h,i)perylene	26.02	276	21020	0.404	ng/ul	99

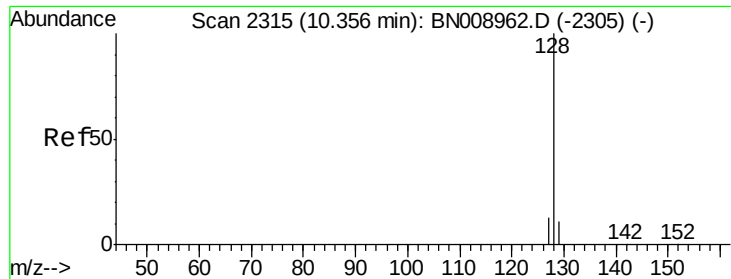
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.132 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008973.D

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Instrument :

BNA_N

ClientSampleId :

C0BR5DL

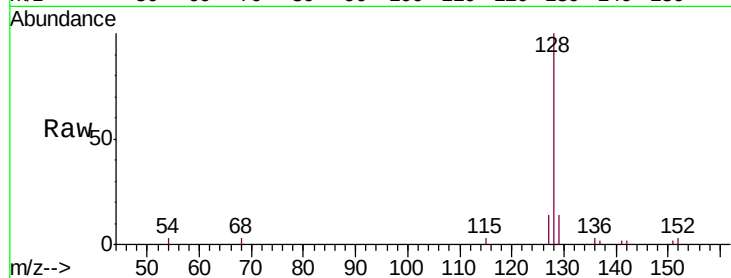
Tgt Ion:128 Resp: 4376

Ion Ratio Lower Upper

128 100

129 13.7 9.1 13.7

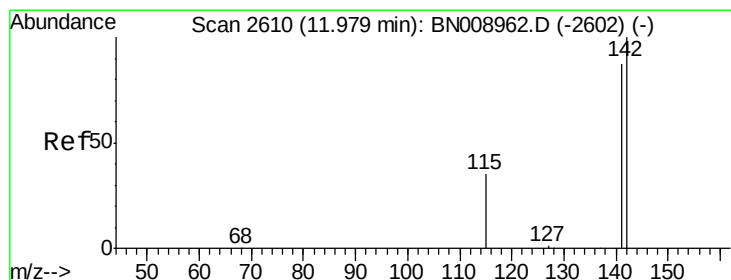
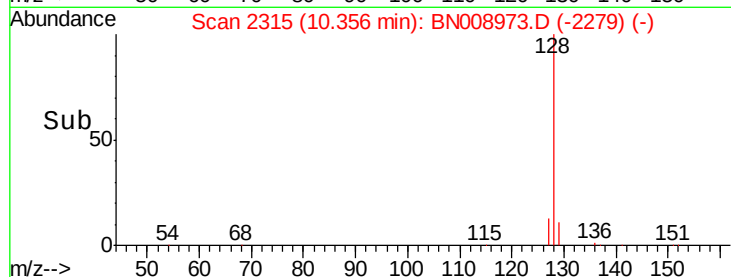
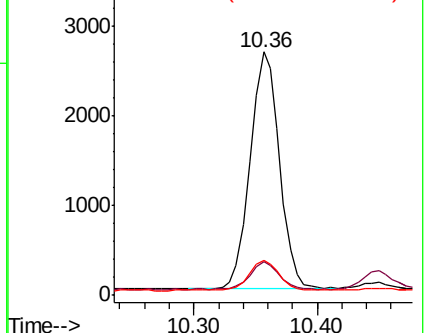
127 14.4 10.7 16.1



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: 0.147 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008973.D

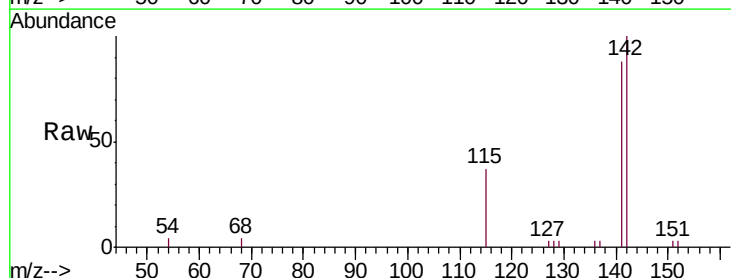
Acq: 13 Dec 2019 18:23

Tgt Ion:142 Resp: 3400

Ion Ratio Lower Upper

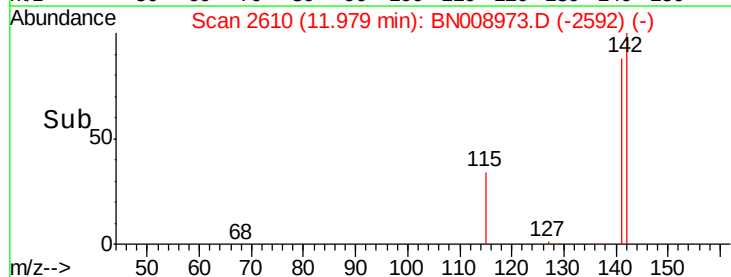
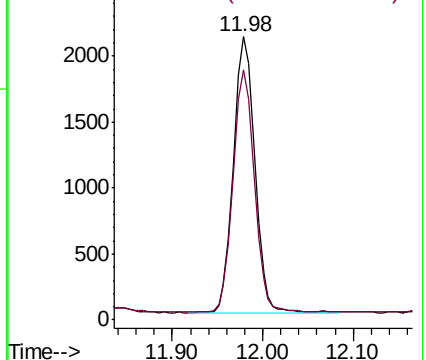
142 100

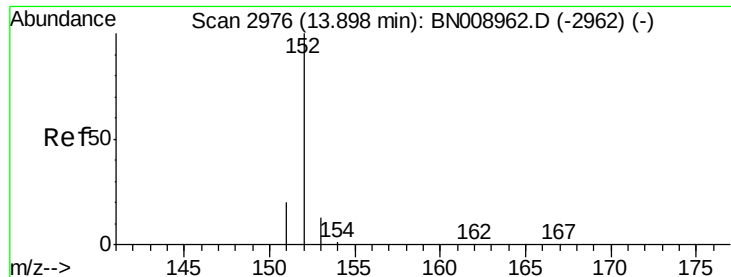
141 87.1 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.225 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

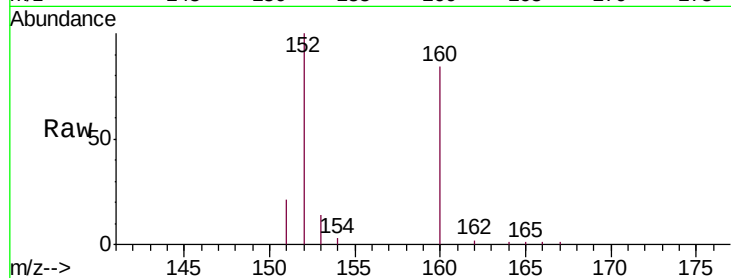
Tgt Ion:152 Resp: 9040

Ion Ratio Lower Upper

152 100

151 20.7 15.8 23.6

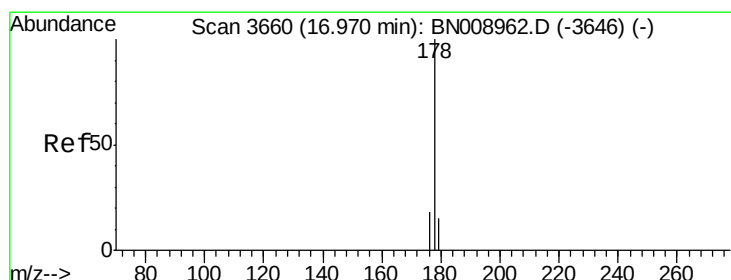
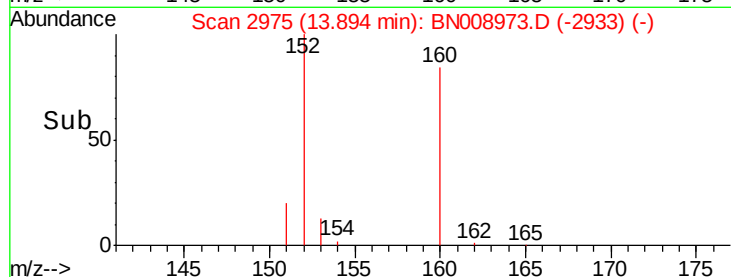
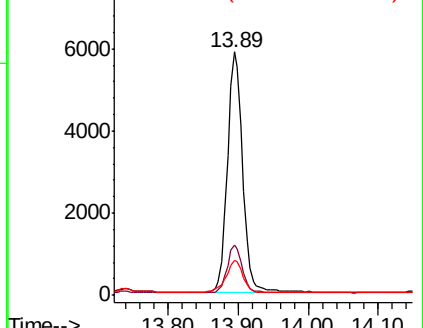
153 14.2 10.6 15.8



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



#12

Phenanthrene

Concen: 0.240 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

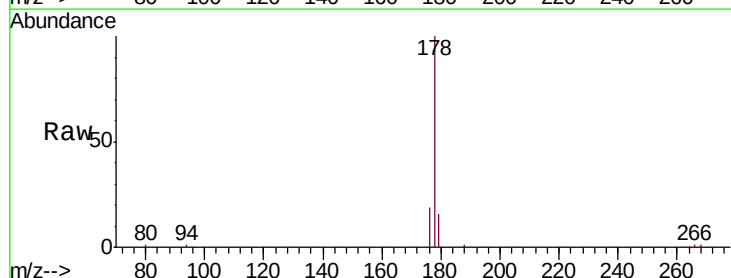
Tgt Ion:178 Resp: 13672

Ion Ratio Lower Upper

178 100

179 16.3 12.6 18.8

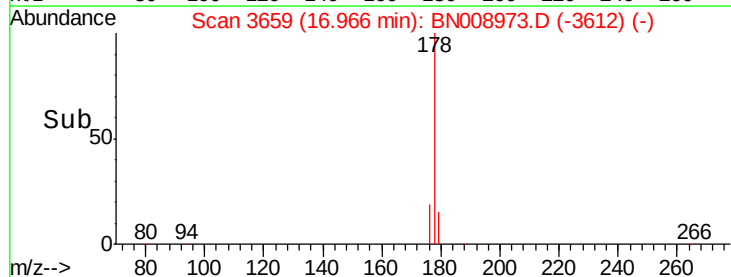
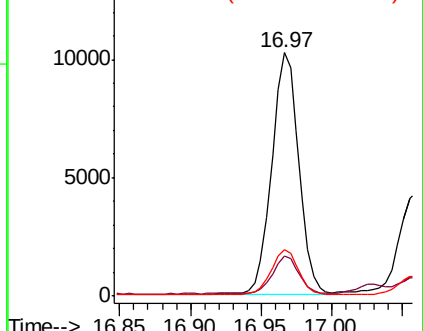
176 19.3 15.3 22.9

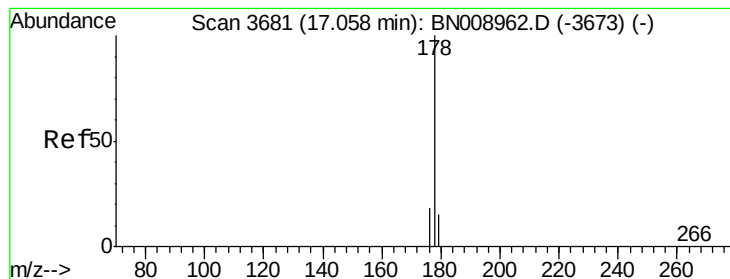


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.111 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

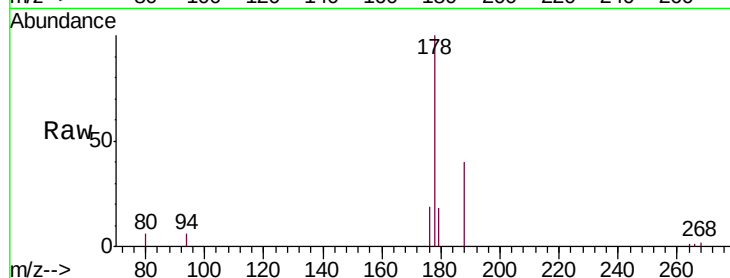
Tgt Ion:178 Resp: 5986

Ion Ratio Lower Upper

178 100

179 17.8 12.2 18.4

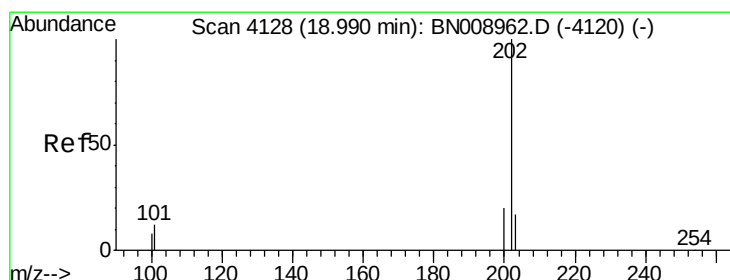
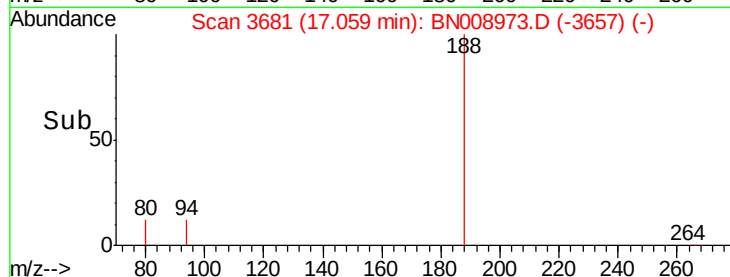
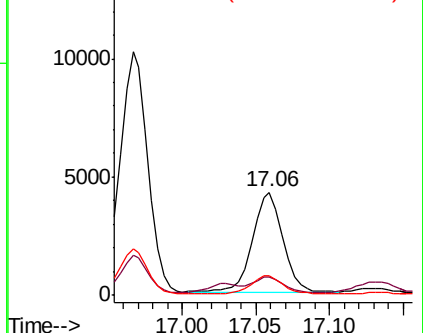
176 19.1 14.7 22.1



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



#15

Fluoranthene

Concen: 0.658 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

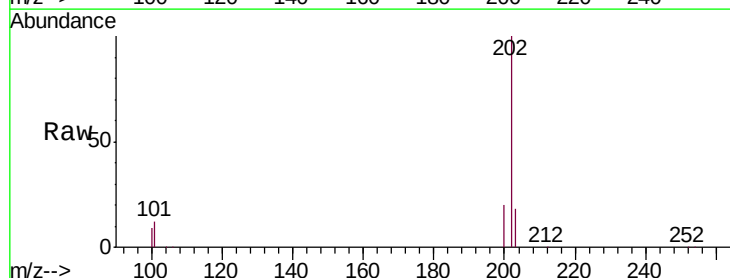
Tgt Ion:202 Resp: 46103

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

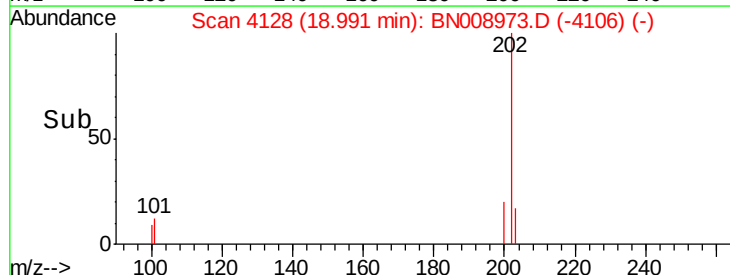
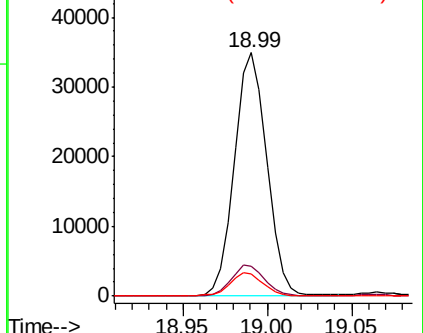
100 9.2 0.0 29.2

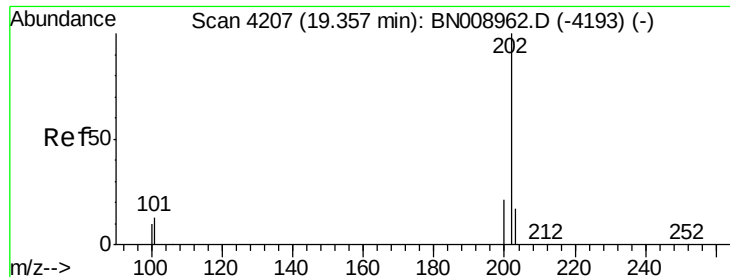


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

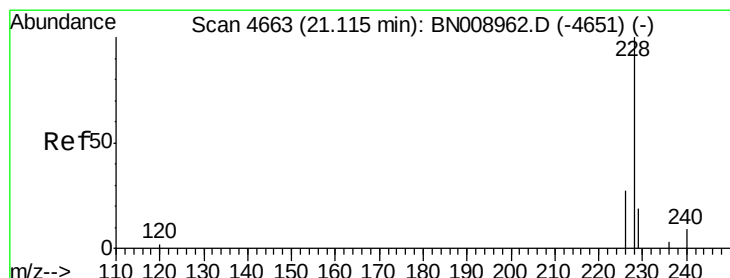
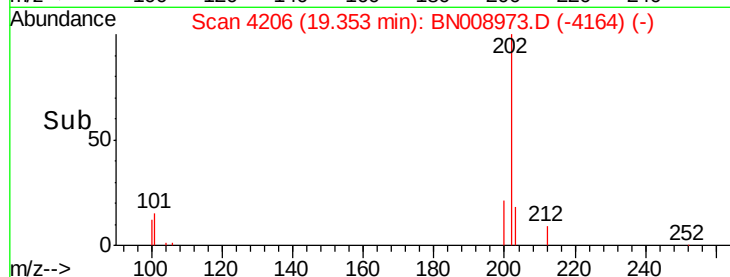
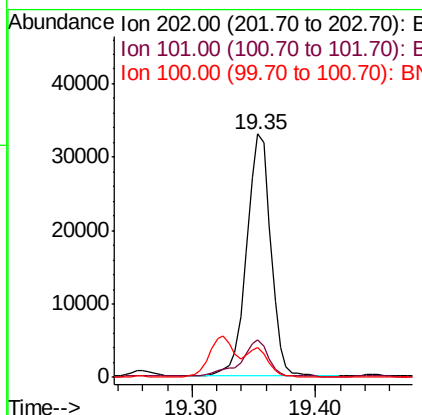
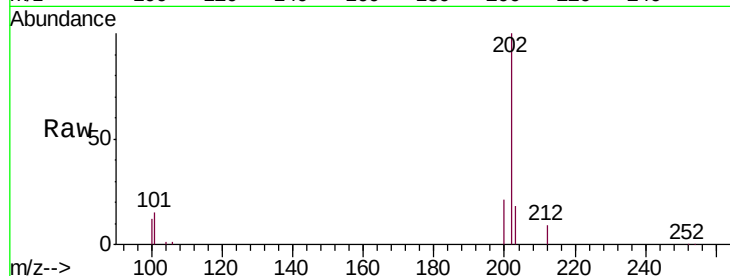




#17
Pyrene
Concen: 0.777 ng/ul
RT: 19.35 min Scan# 4206
Delta R.T. -0.00 min
Lab File: BN008973.D
Acq: 13 Dec 2019 18:23

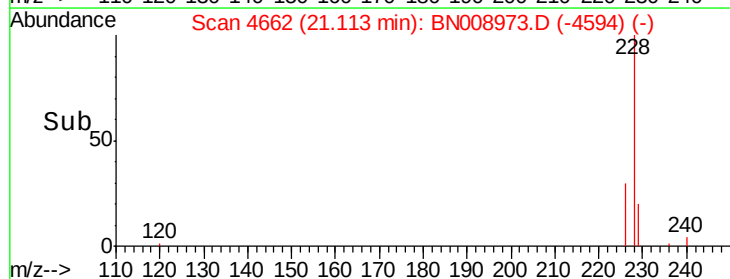
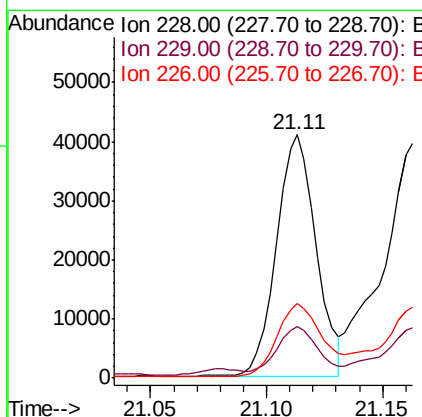
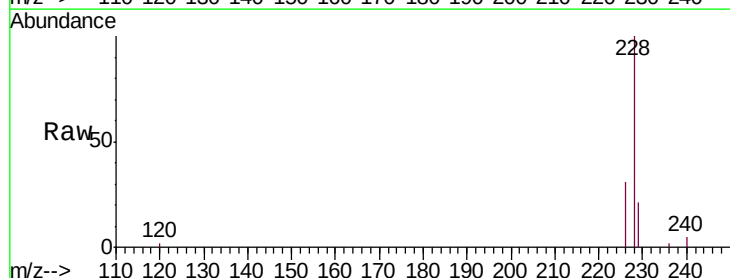
Instrument :
BNA_N
ClientSampleId :
C0BR5DL

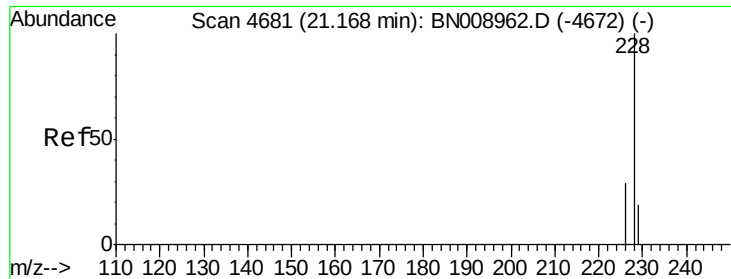
Tgt Ion:202 Resp: 44888
Ion Ratio Lower Upper
202 100
101 15.3 12.2 18.4
100 12.5 9.5 14.3



#18
Benzo(a)anthracene
Concen: 0.834 ng/ul
RT: 21.11 min Scan# 4662
Delta R.T. -0.00 min
Lab File: BN008973.D
Acq: 13 Dec 2019 18:23

Tgt Ion:228 Resp: 48292
Ion Ratio Lower Upper
228 100
229 21.0 15.7 23.5
226 30.6 21.5 32.3





#19

Chrysene

Concen: 1.062 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.01 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

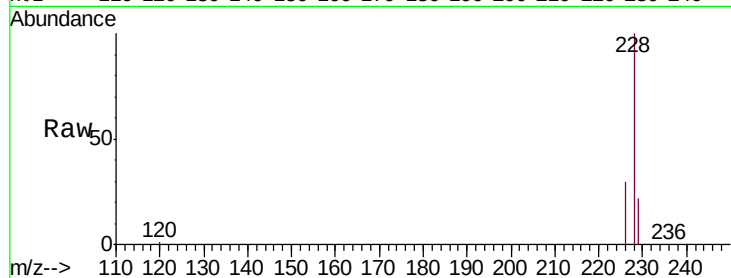
Tgt Ion:228 Resp: 60403

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

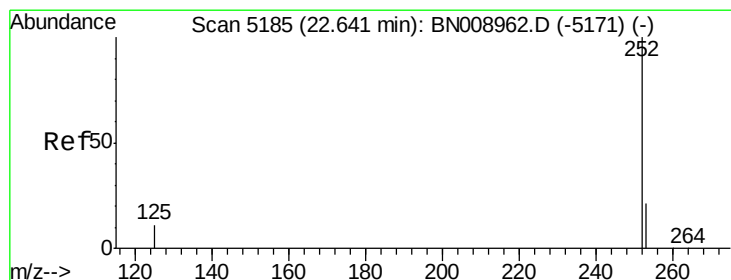
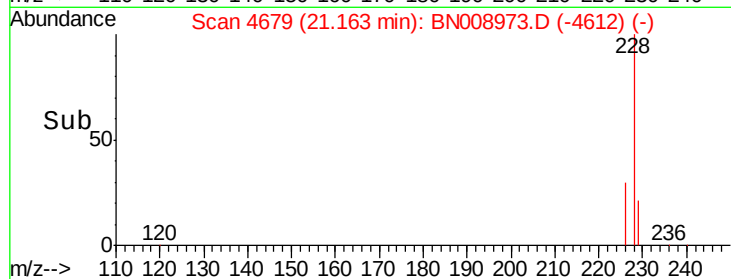
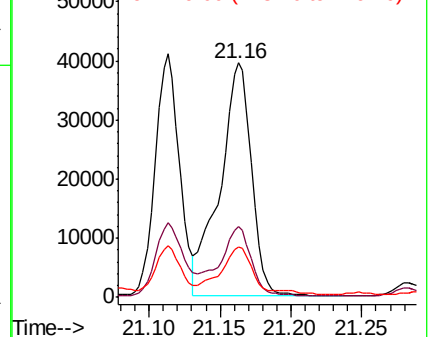
229 21.6 15.6 23.4



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: 1.818 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. 0.00 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

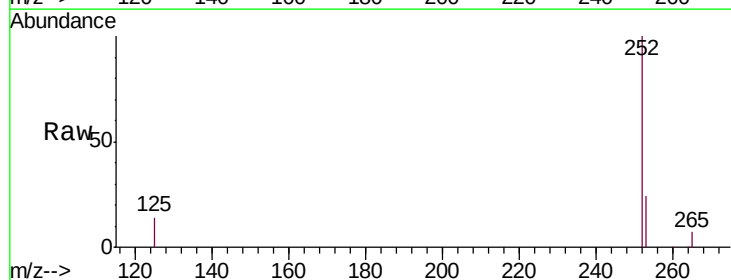
Tgt Ion:252 Resp: 103048

Ion Ratio Lower Upper

252 100

253 23.6 0.0 48.6

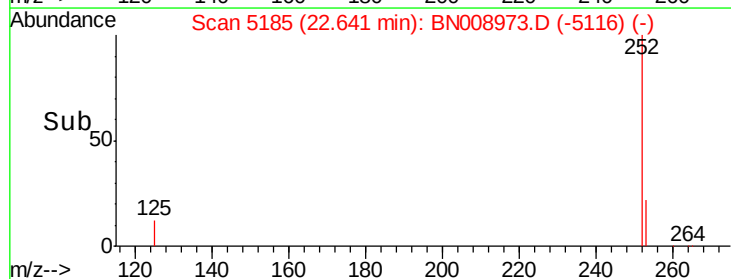
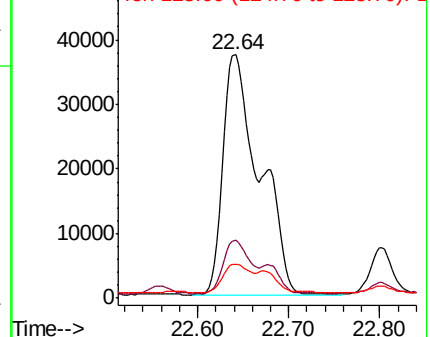
125 13.9 0.0 31.6

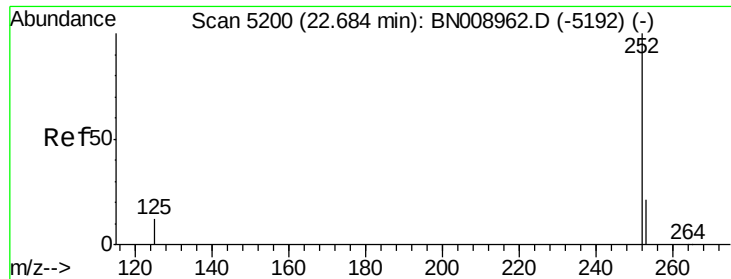


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.833 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.04 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

Instrument :

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ClientSampleId :

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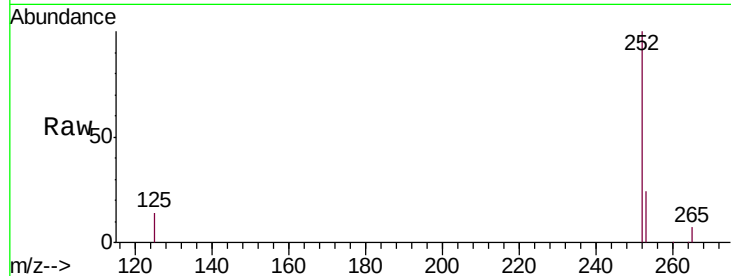
Tgt Ion:252 Resp: 103048

Ion Ratio Lower Upper

252 100

253 23.6 19.6 29.4

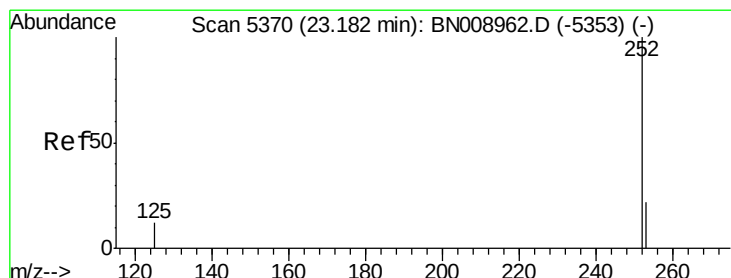
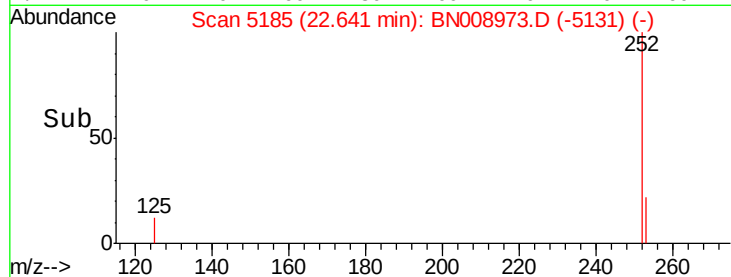
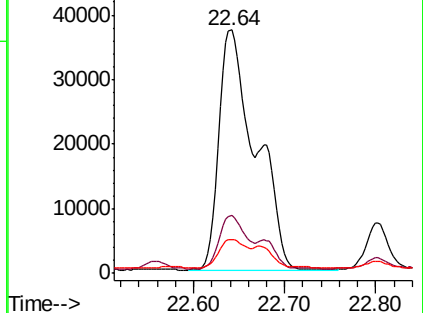
125 13.9 13.8 20.6



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: 0.819 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. -0.00 min

Lab File: BN008973.D

Acq: 13 Dec 2019 18:23

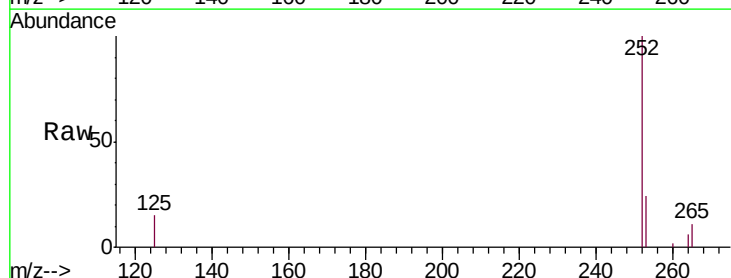
Tgt Ion:252 Resp: 43557

Ion Ratio Lower Upper

252 100

253 24.2 19.9 29.9

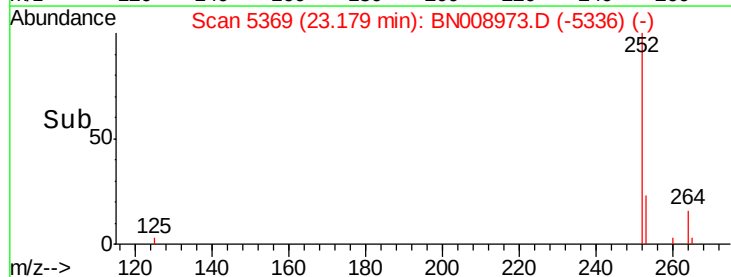
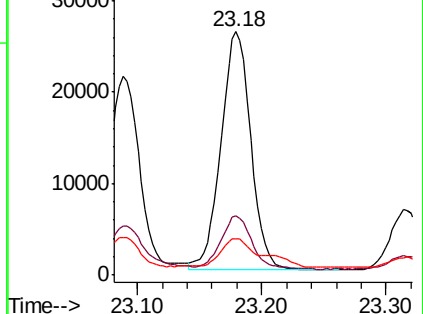
125 14.9 14.6 22.0

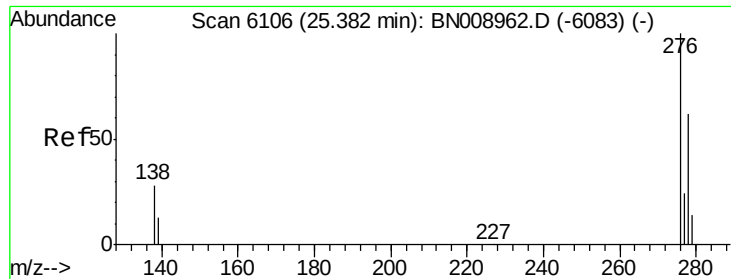


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

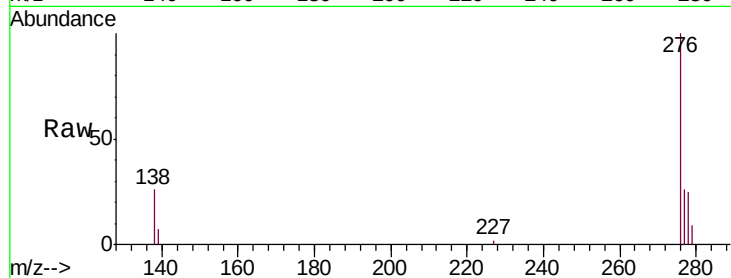




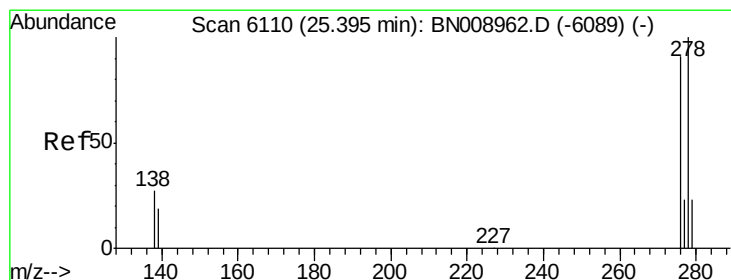
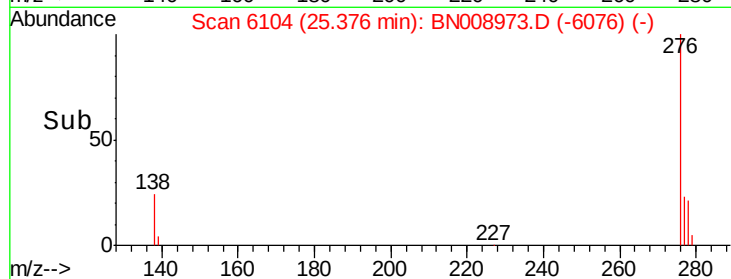
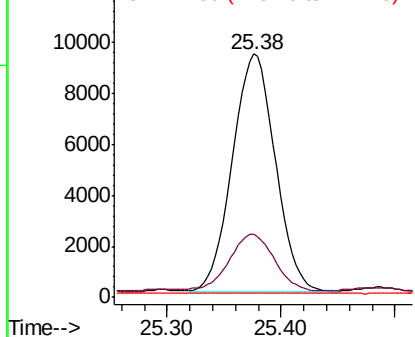
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.391 ng/ul
 RT: 25.38 min Scan# 6104
 Delta R.T. -0.01 min
 Lab File: BN008973.D
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 BNA_N
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Tgt Ion: 276 Resp: 24322
 Ion Ratio Lower Upper
 276 100
 138 25.1 23.8 35.6
 227 0.0 0.2 0.2#

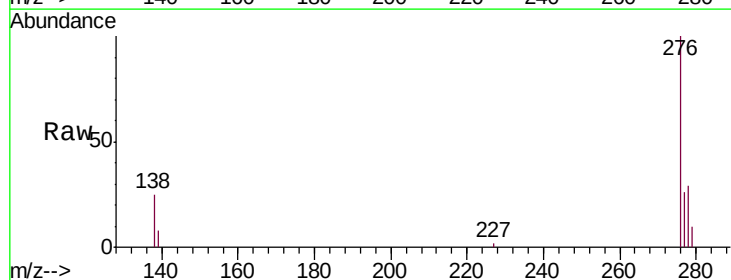


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

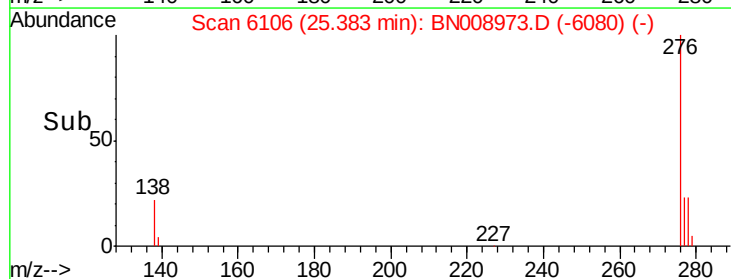
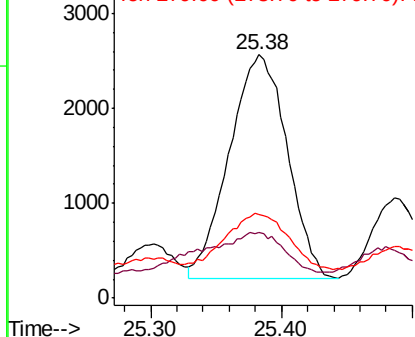


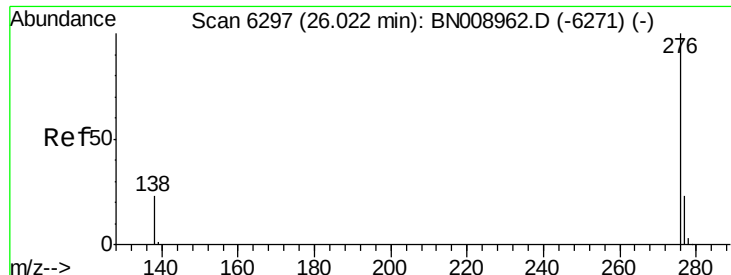
#25
 Dibenzo(a,h)anthracene
 Concen: 0.143 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.01 min
 Lab File: BN008973.D
 Acq: 13 Dec 2019 18:23

Tgt Ion: 278 Resp: 7202
 Ion Ratio Lower Upper
 278 100
 139 26.9 17.4 26.0#
 279 34.5 20.5 30.7#



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: 0.404 ng/ul

RT: 26.02 min Scan# 6296

Delta R.T. -0.00 min

Lab File: BN008973.D

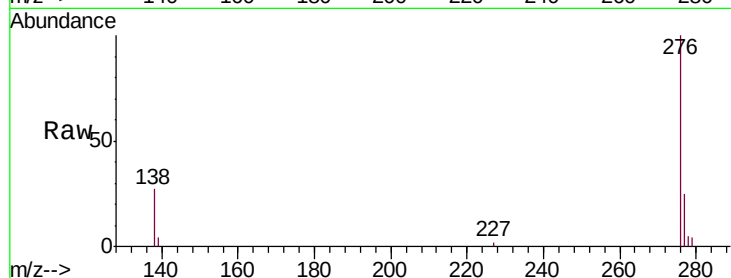
Acq: 13 Dec 2019 18:23

Instrument :

BNA_N

ClientSampleId :

C0BR5DL



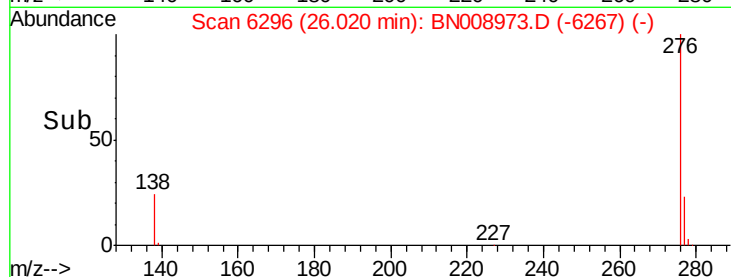
Tgt Ion: 276 Resp: 21020

Ion Ratio Lower Upper

276 100

138 26.8 21.9 32.9

277 25.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

10000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

