

Data File : BN008976.D
Acq On : 13 Dec 2019 20:47
Operator : JU
Sample : K6089-07DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BQ5DL

Quant Time: Dec 13 23:25:24 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	2499	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11166	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7294	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16472	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13867	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	12733	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	7566	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	23925	0.48	ng/ul	0.00

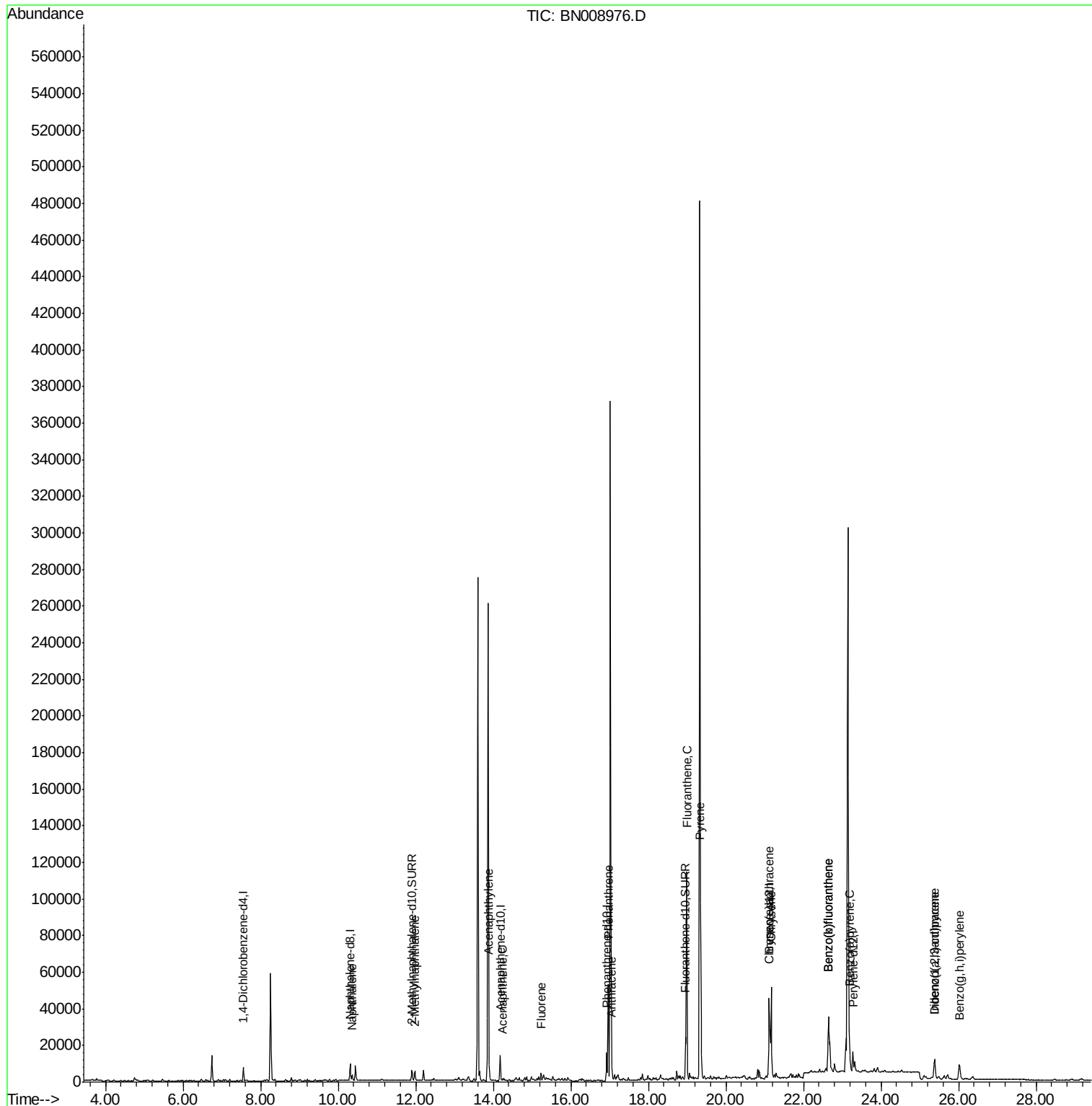
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	4059	0.121	ng/ul	96
5) 2-Methylnaphthalene	11.98	142	3721	0.158	ng/ul	98
7) Acenaphthylene	13.89	152	4006	0.099	ng/ul#	93
8) Acenaphthene	14.24	153	702	0.023	ng/ul#	92
9) Fluorene	15.24	166	1813	0.052	ng/ul#	78
12) Phenanthrene	16.97	178	53234	0.958	ng/ul	99
13) Anthracene	17.06	178	5729	0.109	ng/ul#	96
15) Fluoranthene	18.99	202	93618	1.372	ng/ul	99
17) Pyrene	19.35	202	75849	1.363	ng/ul	100
18) Benzo(a)anthracene	21.12	228	32799	0.588	ng/ul#	93
19) Chrysene	21.17	228	49643	0.906	ng/ul#	95
21) Benzo(b)fluoranthene	22.64	252	61393	1.169	ng/ul	99
22) Benzo(k)fluoranthene	22.64	252	61393	1.179	ng/ul	99
23) Benzo(a)pyrene	23.19	252	26364	0.535	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.38	276	16091	0.279	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.39	278	4395	0.094	ng/ul#	64
26) Benzo(g,h,i)perylene	26.02	276	15866	0.329	ng/ul	98

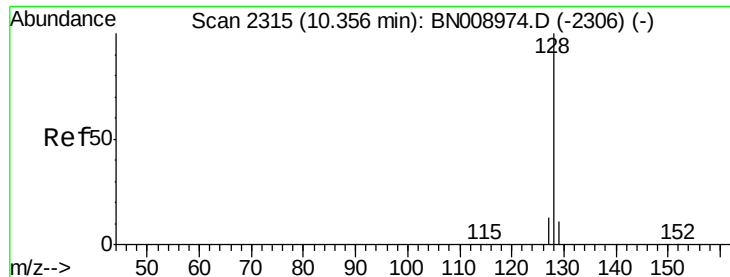
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.121 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

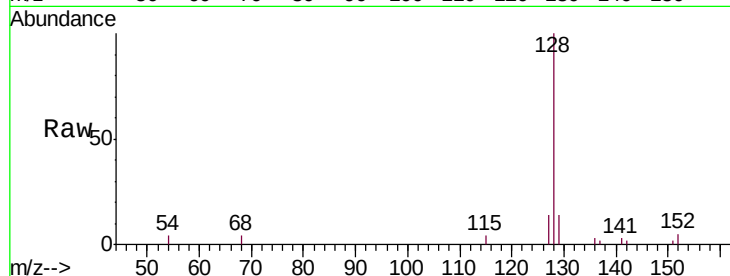
Tgt Ion:128 Resp: 4059

Ion Ratio Lower Upper

128 100

129 13.6 9.1 13.7

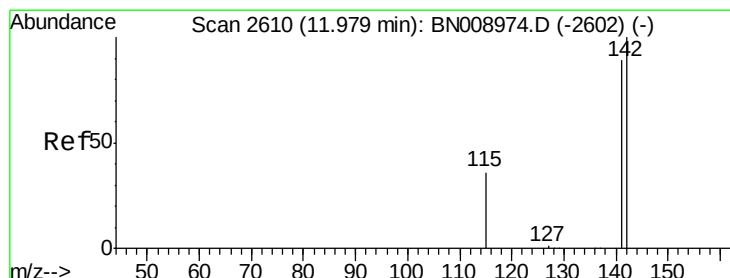
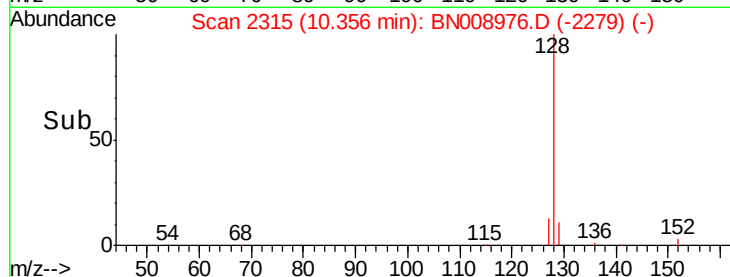
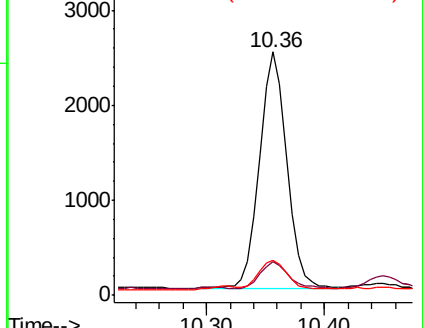
127 14.4 10.7 16.1



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: 0.158 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BN008976.D

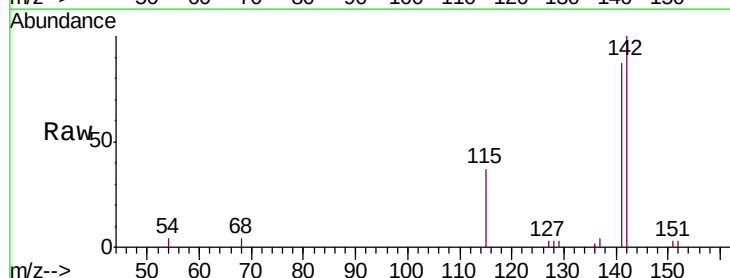
Acq: 13 Dec 2019 20:47

Tgt Ion:142 Resp: 3721

Ion Ratio Lower Upper

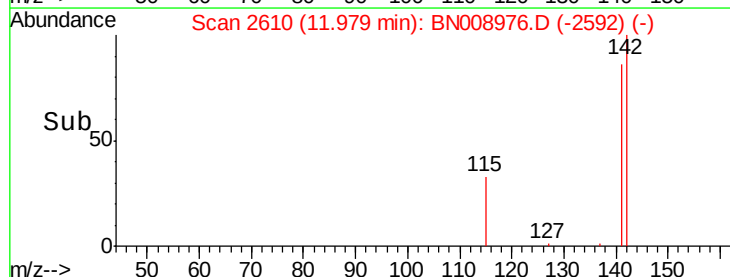
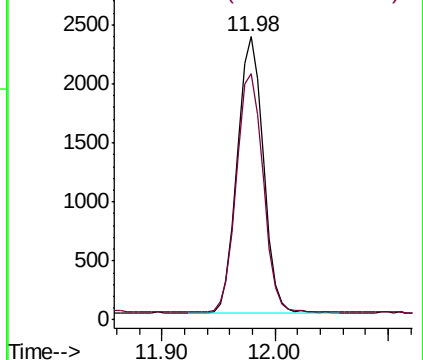
142 100

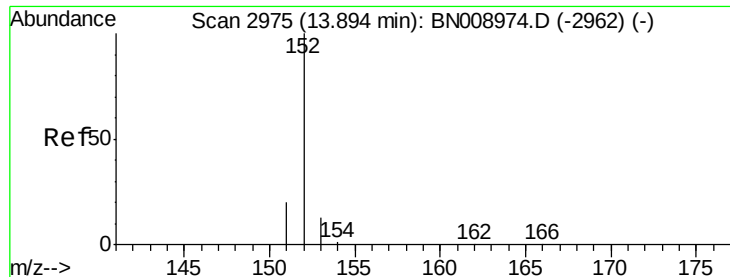
141 89.4 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.099 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

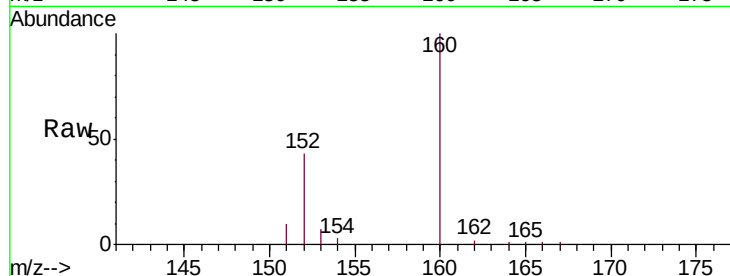
Tgt Ion:152 Resp: 4006

Ion Ratio Lower Upper

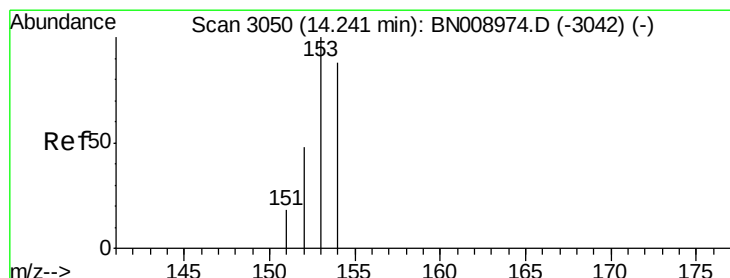
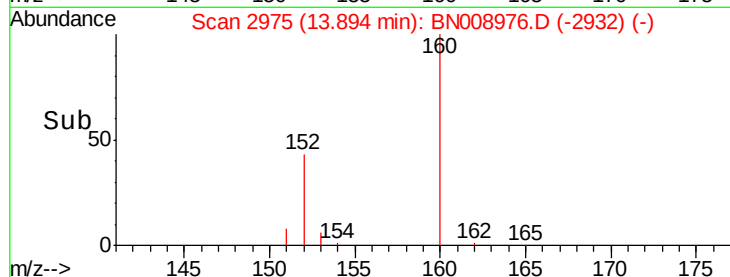
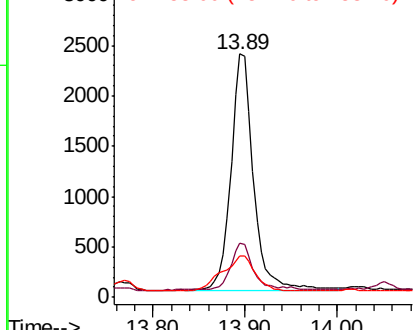
152 100

151 22.1 15.8 23.6

153 17.0 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



#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

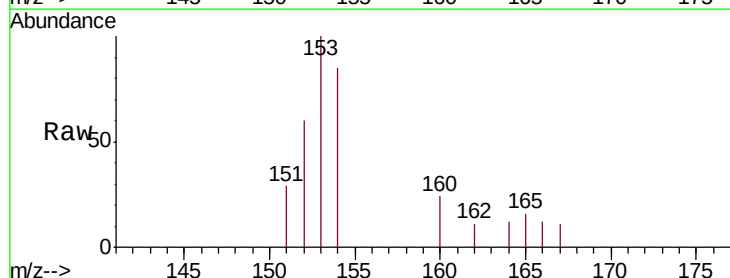
Tgt Ion:153 Resp: 702

Ion Ratio Lower Upper

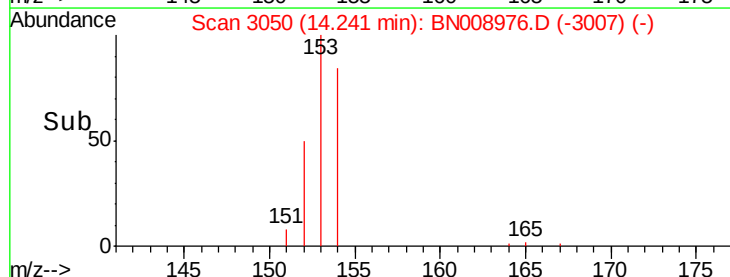
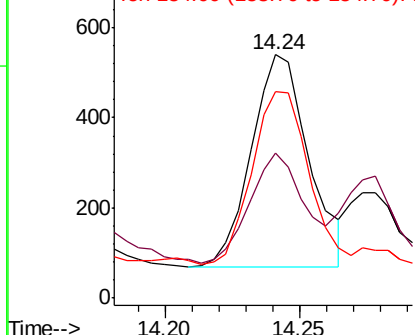
153 100

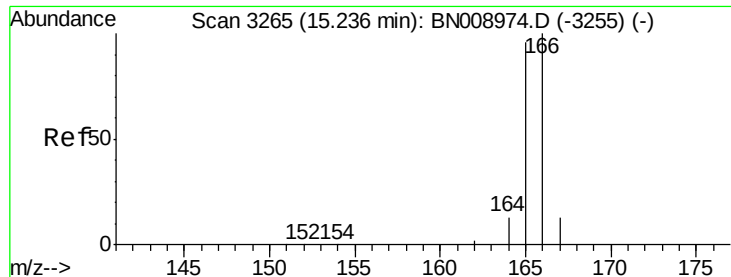
152 59.8 38.6 58.0#

154 85.0 70.6 105.8



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: 0.052 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

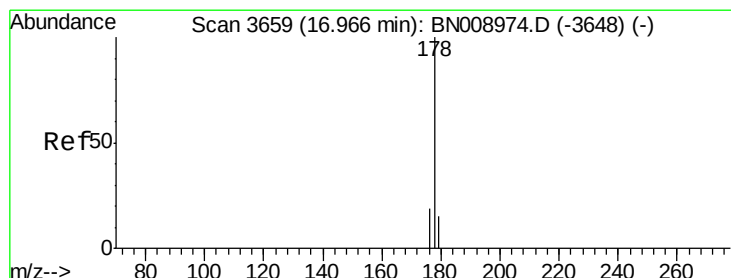
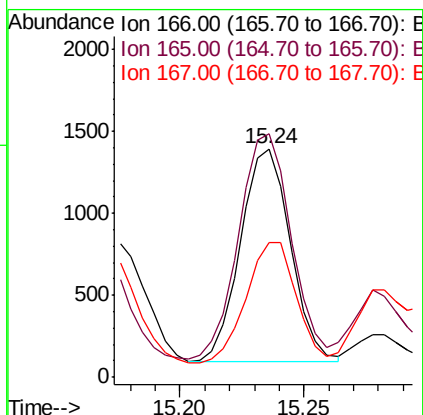
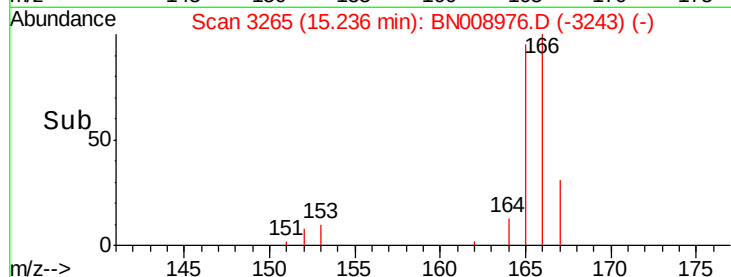
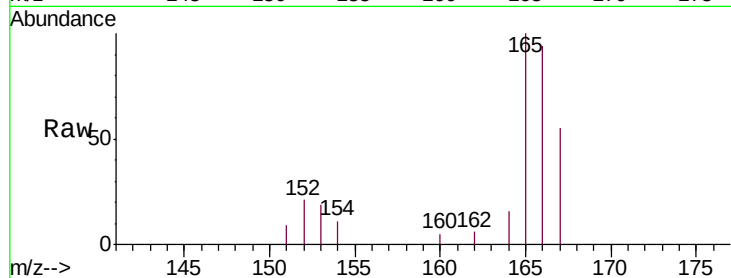
Tgt Ion:166 Resp: 1813

Ion Ratio Lower Upper

166 100

165 106.7 77.7 116.5

167 59.0 11.1 16.7#



#12

Phenanthrene

Concen: 0.958 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

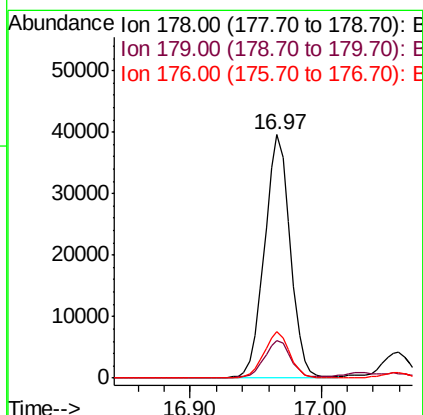
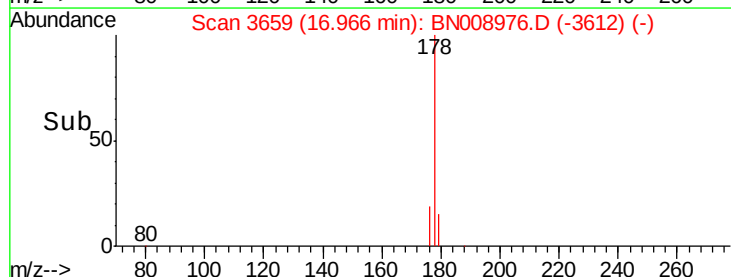
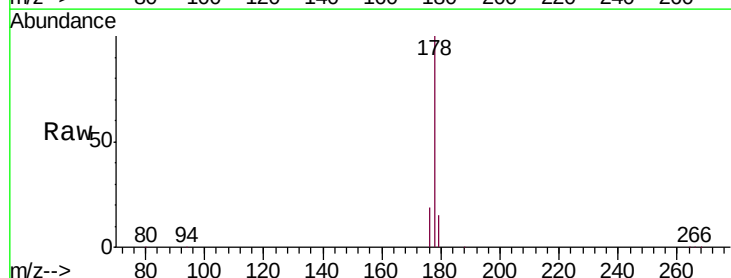
Tgt Ion:178 Resp: 53234

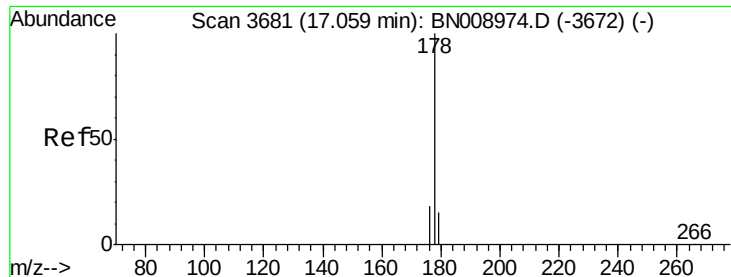
Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.9 15.3 22.9





#13

Anthracene

Concen: 0.109 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

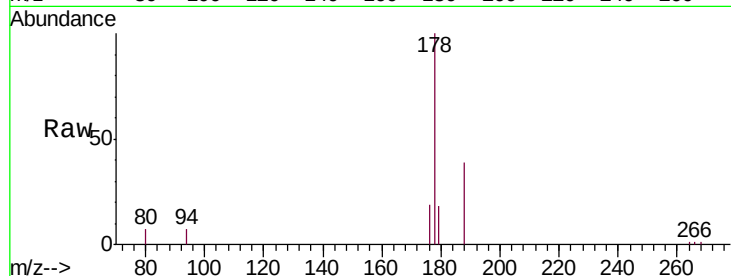
Tgt Ion:178 Resp: 5729

Ion Ratio Lower Upper

178 100

179 18.5 12.2 18.4#

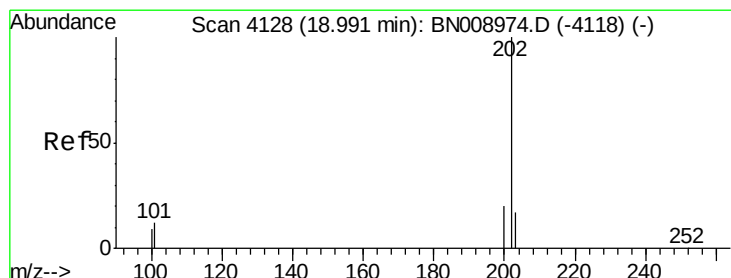
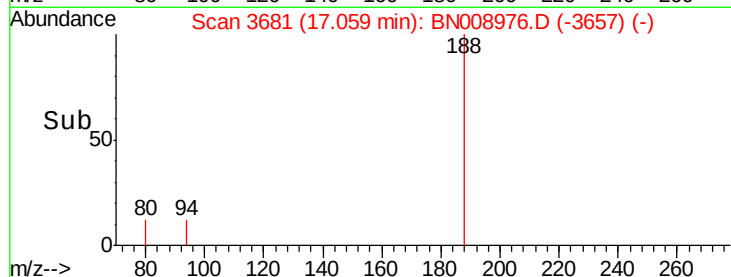
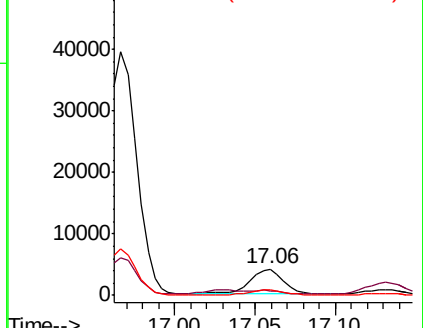
176 19.0 14.7 22.1



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: 1.372 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

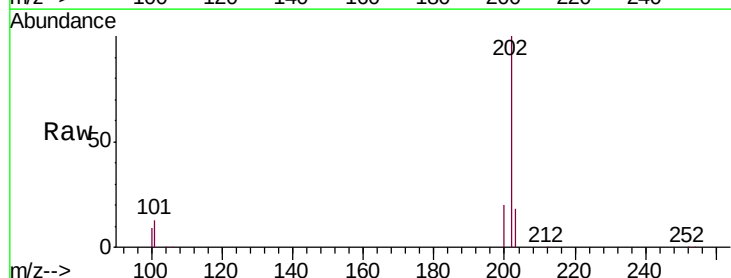
Tgt Ion:202 Resp: 93618

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.4

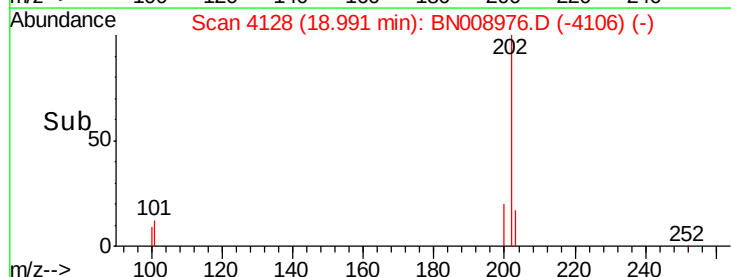
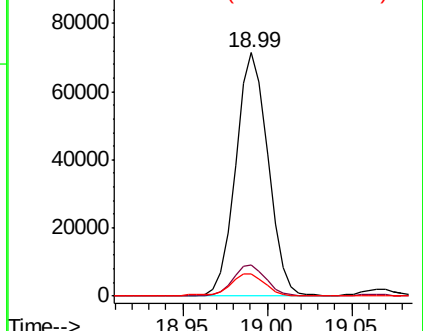
100 9.2 0.0 29.2

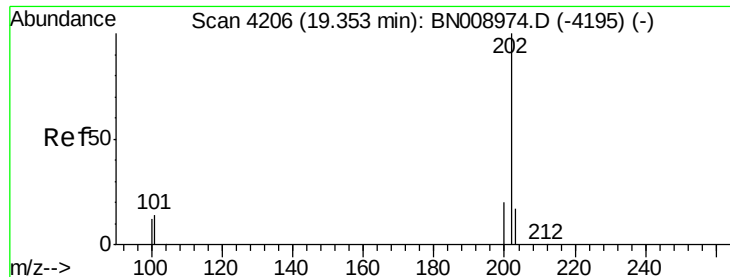


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

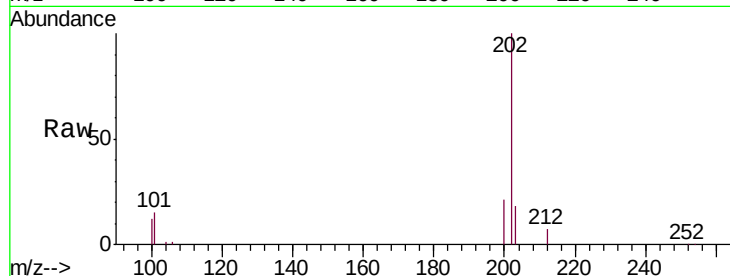




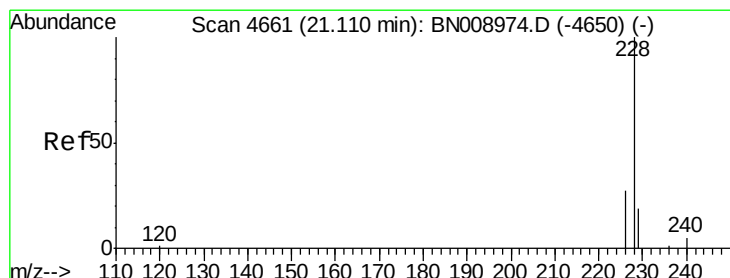
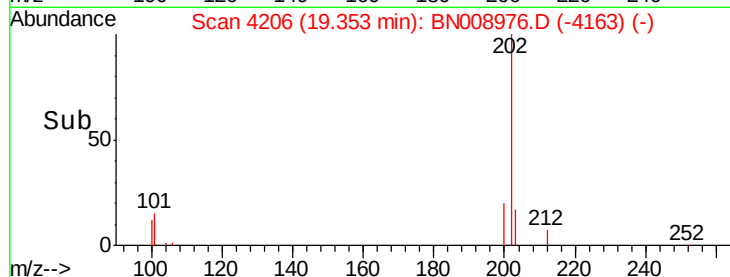
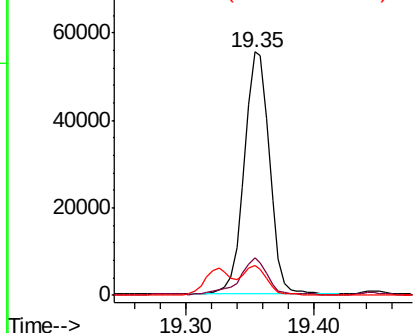
#17
Pyrene
Concen: 1.363 ng/ul
RT: 19.35 min Scan# 4206
Delta R.T. 0.00 min
Lab File: BN008976.D
Acq: 13 Dec 2019 20:47

Instrument :
BNA_N
ClientSampleId :
C0BQ5DL

Tgt Ion:202 Resp: 75849
Ion Ratio Lower Upper
202 100
101 15.3 12.2 18.4
100 12.2 9.5 14.3

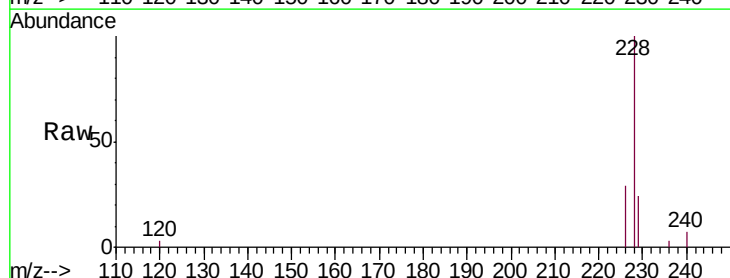


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

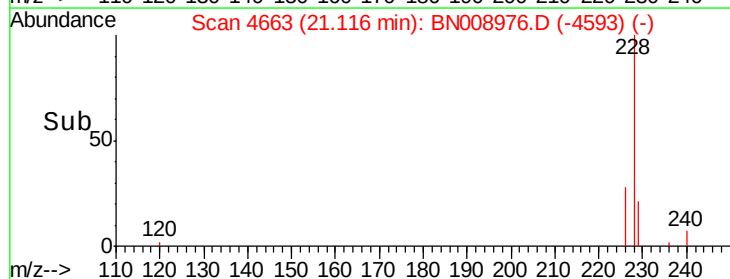
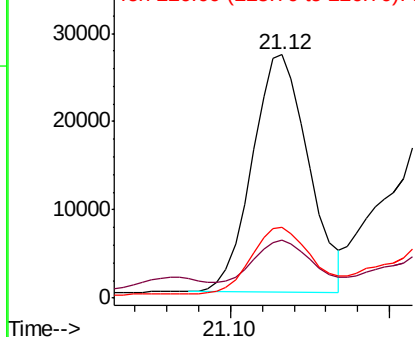


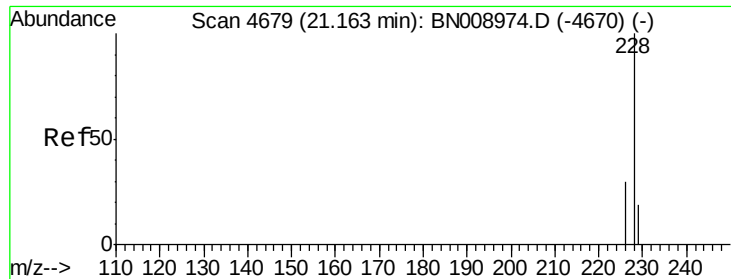
#18
Benzo(a)anthracene
Concen: 0.588 ng/ul
RT: 21.12 min Scan# 4663
Delta R.T. 0.01 min
Lab File: BN008976.D
Acq: 13 Dec 2019 20:47

Tgt Ion:228 Resp: 32799
Ion Ratio Lower Upper
228 100
229 23.8 15.7 23.5#
226 29.3 21.5 32.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.906 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. 0.01 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

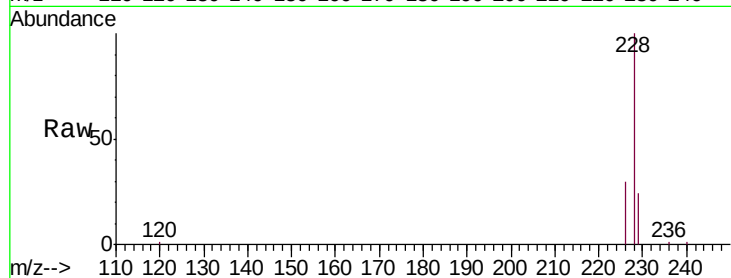
Tgt Ion:228 Resp: 49643

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

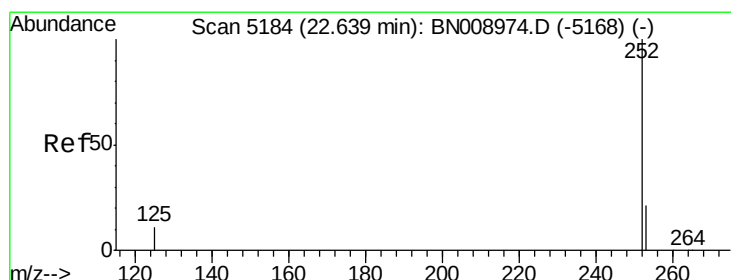
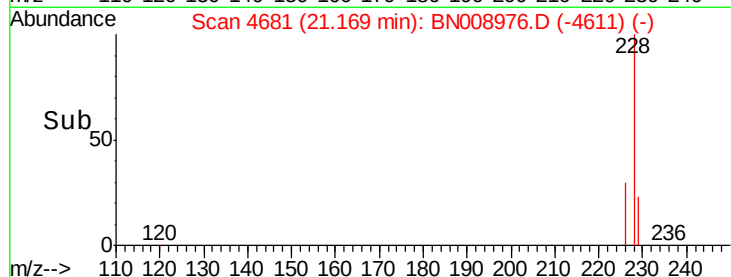
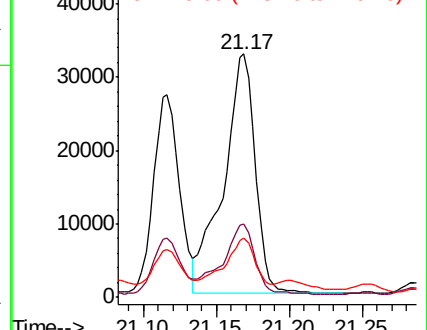
229 24.2 15.6 23.4#



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: 1.169 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. 0.01 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

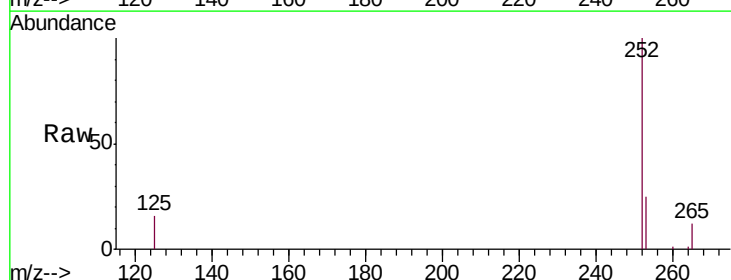
Tgt Ion:252 Resp: 61393

Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.6

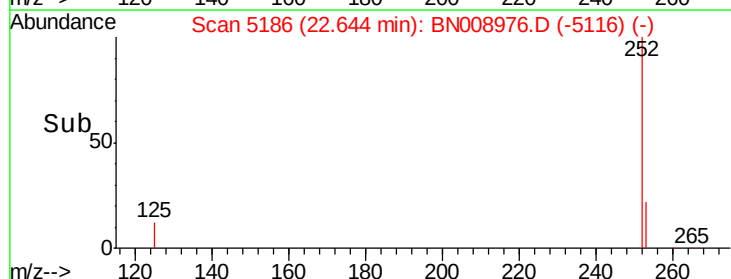
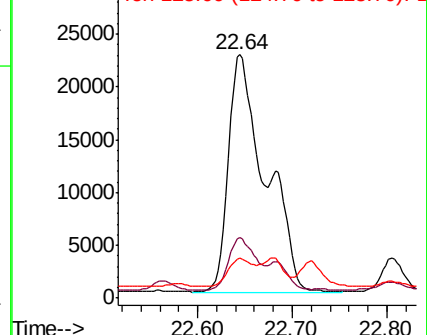
125 16.3 0.0 31.6

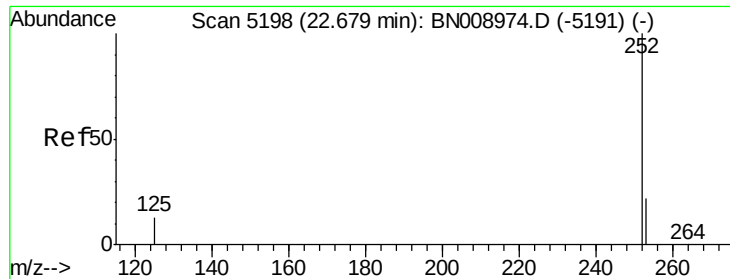


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.179 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.04 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

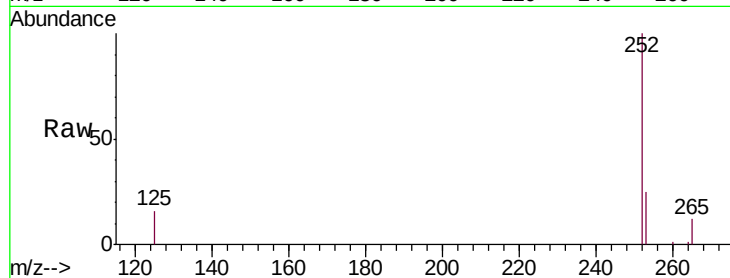
Tgt Ion:252 Resp: 61393

Ion Ratio Lower Upper

252 100

253 24.7 19.6 29.4

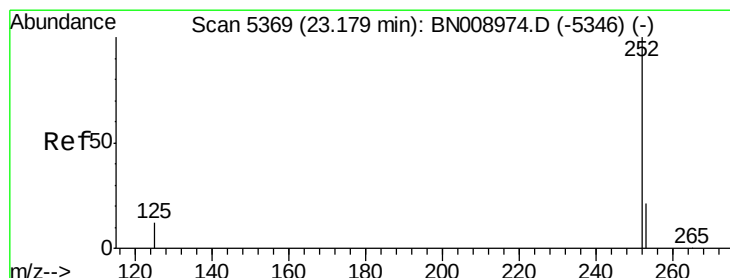
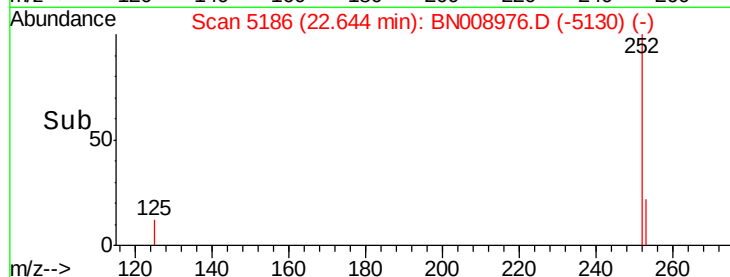
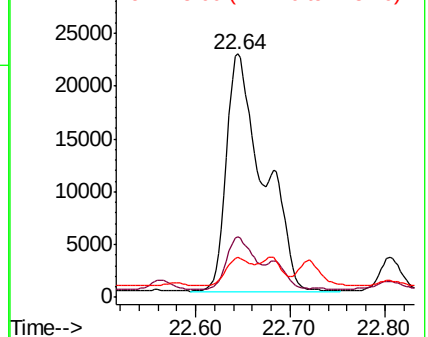
125 16.3 13.8 20.6



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: 0.535 ng/ul

RT: 23.19 min Scan# 5371

Delta R.T. 0.01 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

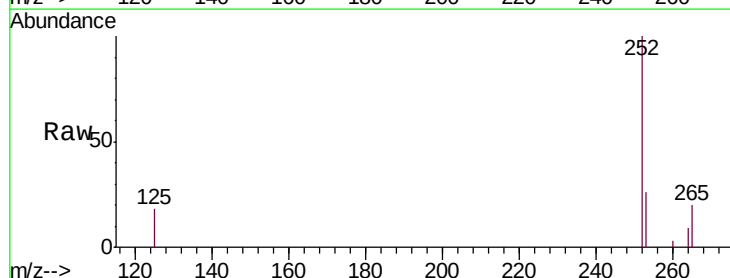
Tgt Ion:252 Resp: 26364

Ion Ratio Lower Upper

252 100

253 26.2 19.9 29.9

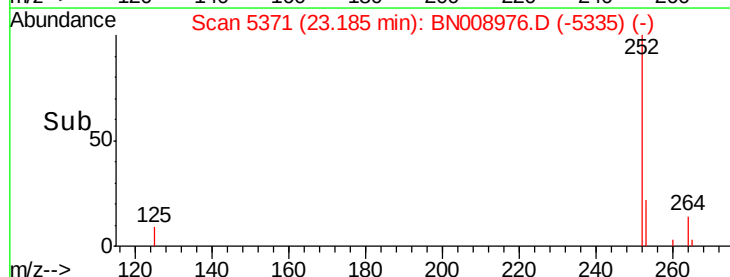
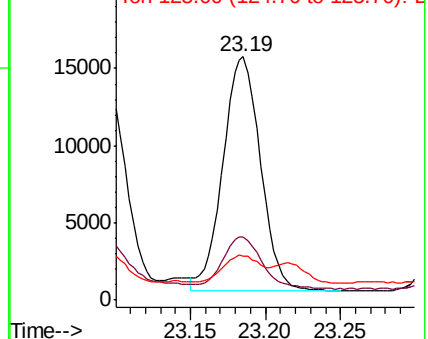
125 18.2 14.6 22.0

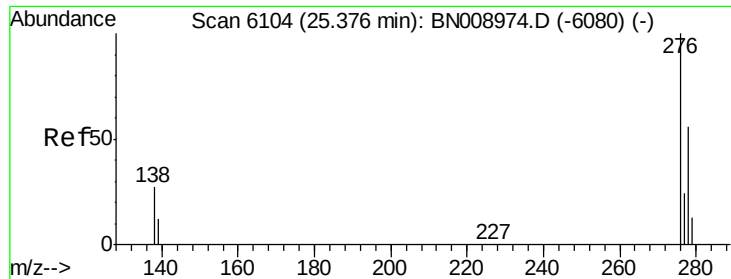


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.279 ng/ul

RT: 25.38 min Scan# 6105

Delta R.T. 0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL

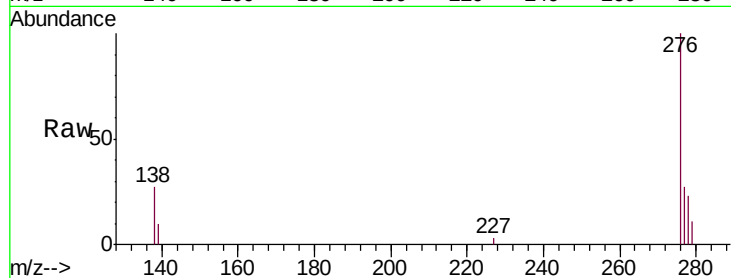
Tgt Ion:276 Resp: 16091

Ion Ratio Lower Upper

276 100

138 25.2 23.8 35.6

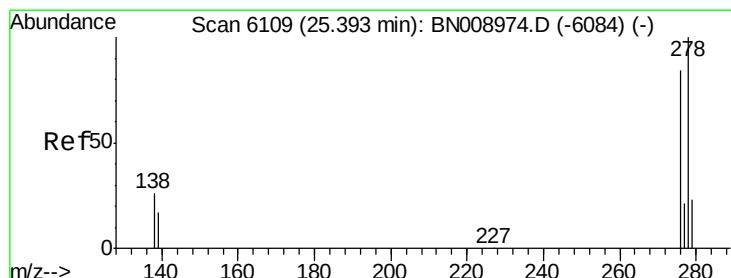
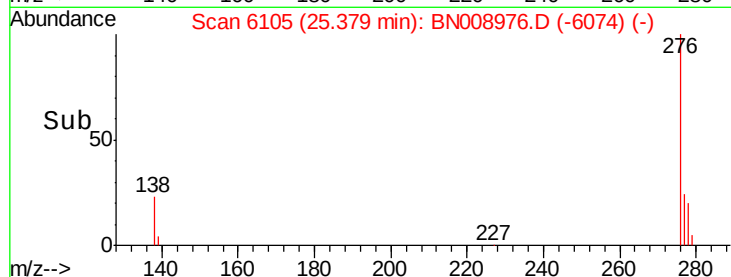
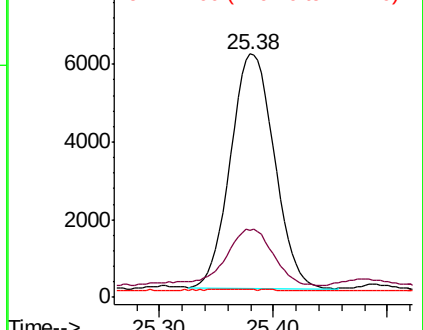
227 0.0 0.2 0.2#



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: 0.094 ng/ul

RT: 25.39 min Scan# 6108

Delta R.T. -0.00 min

Lab File: BN008976.D

Acq: 13 Dec 2019 20:47

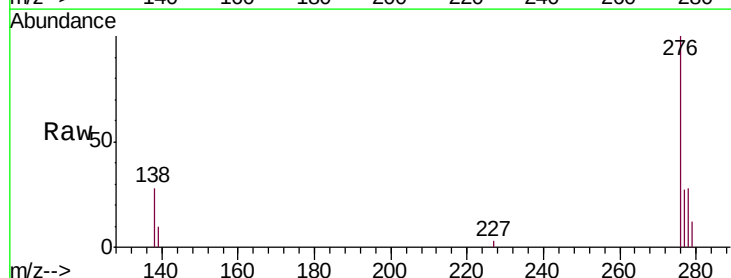
Tgt Ion:278 Resp: 4395

Ion Ratio Lower Upper

278 100

139 37.6 17.4 26.0#

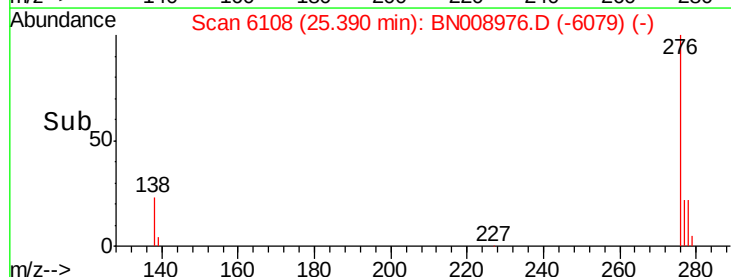
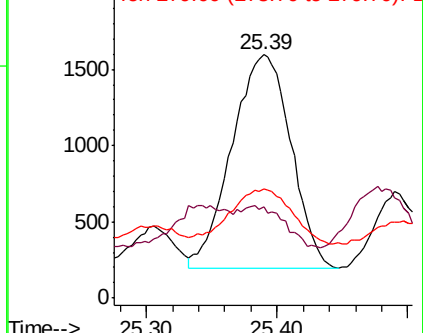
279 44.7 20.5 30.7#

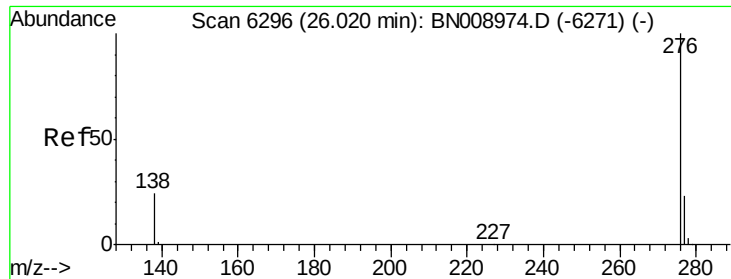


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.329 ng/ul

RT: 26.02 min Scan# 6296

Delta R.T. 0.00 min

Lab File: BN008976.D

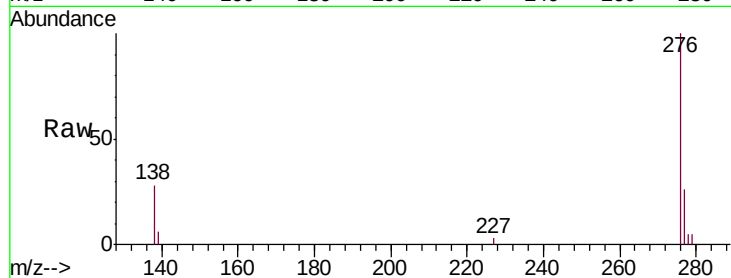
Acq: 13 Dec 2019 20:47

Instrument :

BNA_N

ClientSampleId :

C0BQ5DL



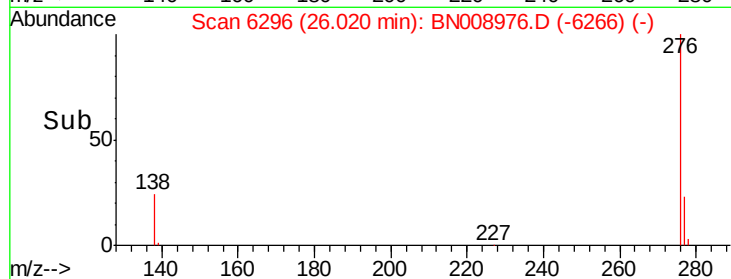
Tgt Ion: 276 Resp: 15866

Ion Ratio Lower Upper

276 100

138 28.4 21.9 32.9

277 26.3 19.9 29.9



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

