

Data File : BN008984.D
Acq On : 14 Dec 2019 01:34
Operator : JU
Sample : K4649-01DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A5167DL

Quant Time: Dec 14 02:37:02 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	3282	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	14334	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	9463	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	21817	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	18612	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	17369	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	943	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	2746	0.04	ng/ul	0.00

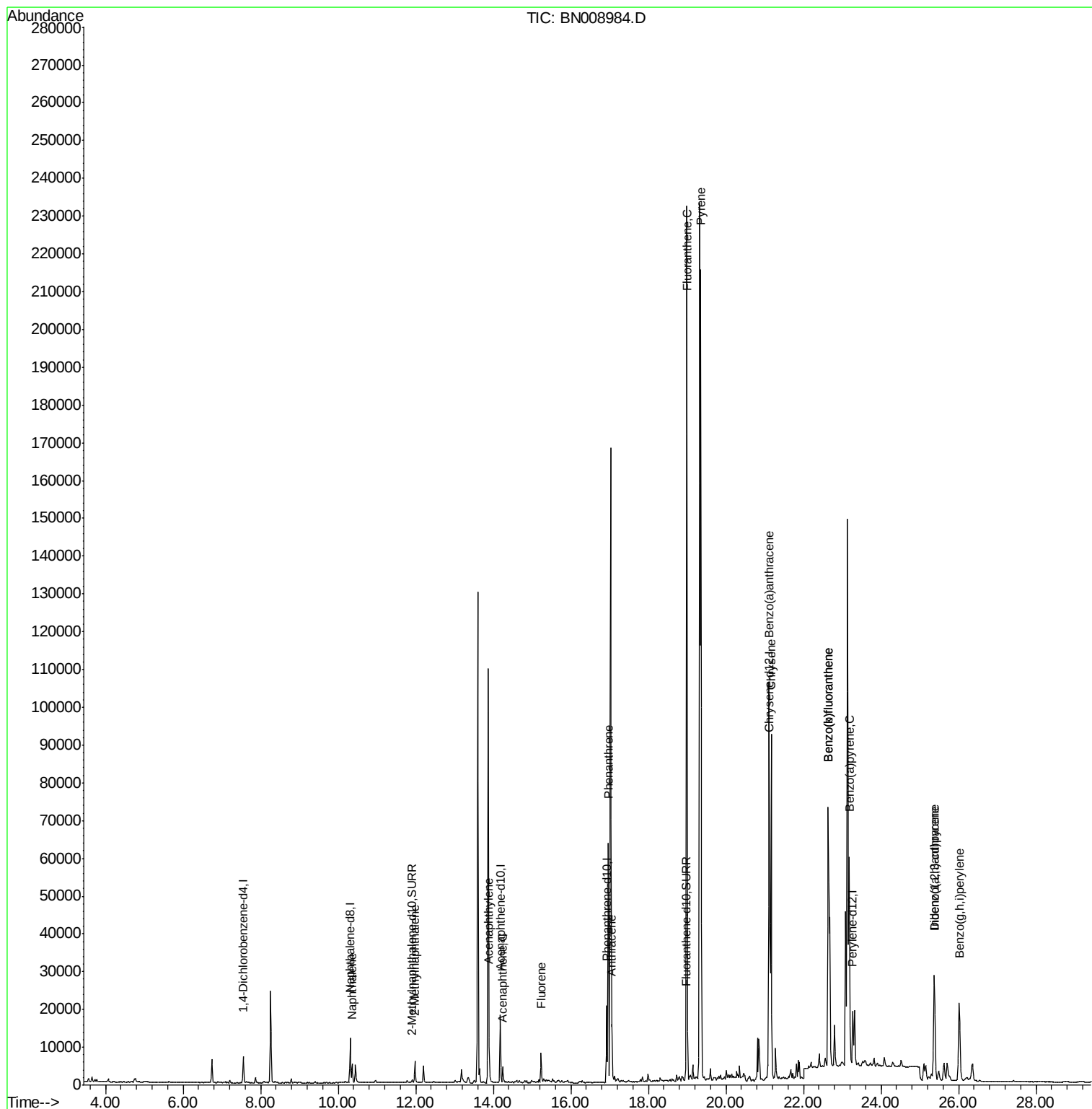
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	6366	0.147	ng/ul	98
5) 2-Methylnaphthalene	11.98	142	4171	0.138	ng/ul	100
7) Acenaphthylene	13.89	152	9195	0.176	ng/ul	98
8) Acenaphthene	14.24	153	2489	0.064	ng/ul	97
9) Fluorene	15.24	166	4449	0.098	ng/ul#	97
12) Phenanthrene	16.97	178	66339	0.902	ng/ul	99
13) Anthracene	17.06	178	15125	0.218	ng/ul	99
15) Fluoranthene	18.99	202	194208	2.148	ng/ul	98
17) Pyrene	19.35	202	167493	2.243	ng/ul	97
18) Benzo(a)anthracene	21.11	228	84751	1.132	ng/ul	98
19) Chrysene	21.16	228	84631	1.151	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	144628	2.019	ng/ul	96
22) Benzo(k)fluoranthene	22.64	252	144628	2.036	ng/ul#	94
23) Benzo(a)pyrene	23.18	252	68829	1.024	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.37	276	41153	0.523	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.38	278	9761	0.154	ng/ul#	92
26) Benzo(g,h,i)perylene	26.01	276	38984	0.593	ng/ul	97

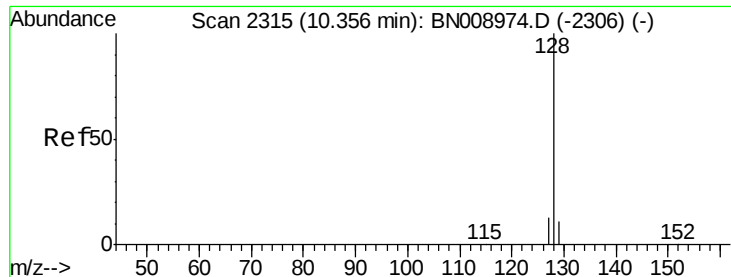
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.147 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

Instrument :

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ClientSampleId :

A5167DL

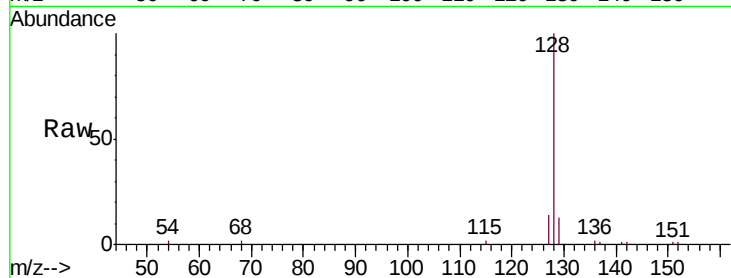
Tgt Ion:128 Resp: 6366

Ion Ratio Lower Upper

128 100

129 12.5 9.1 13.7

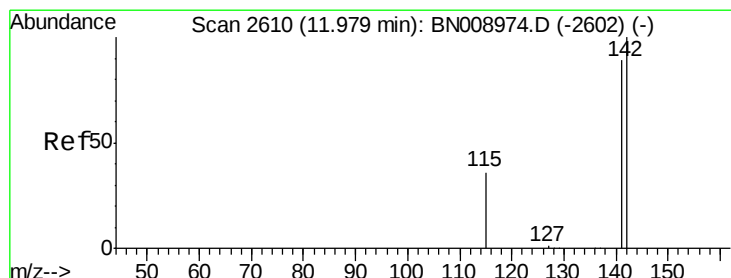
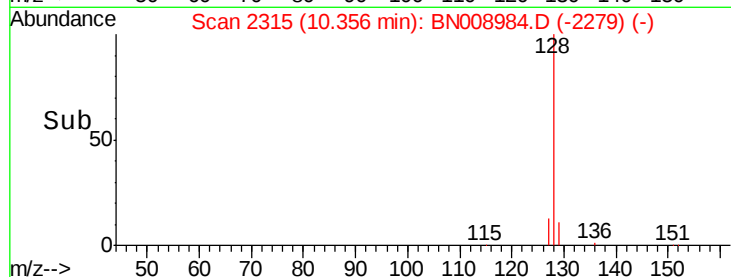
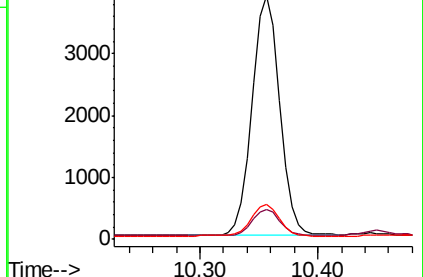
127 14.2 10.7 16.1



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: 0.138 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BN008984.D

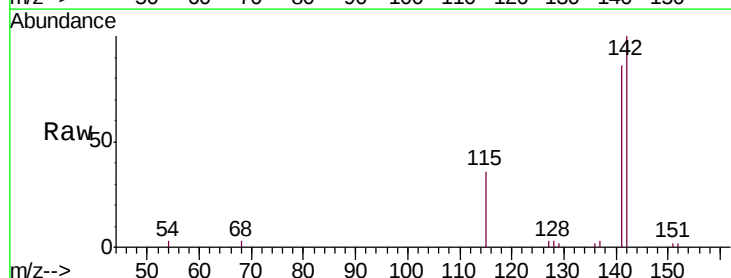
Acq: 14 Dec 2019 01:34

Tgt Ion:142 Resp: 4171

Ion Ratio Lower Upper

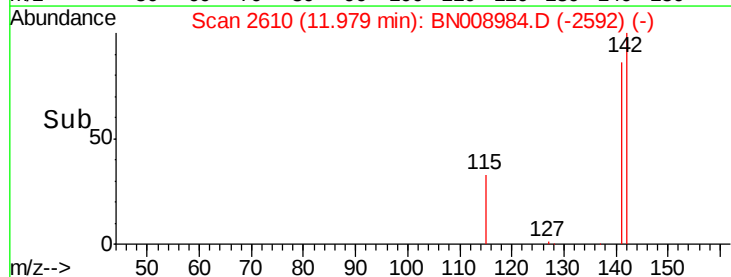
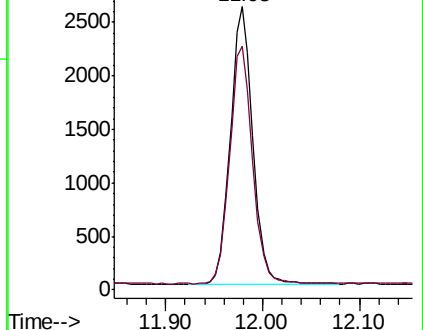
142 100

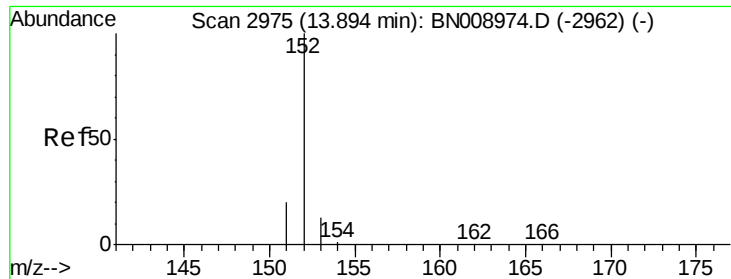
141 87.4 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.176 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

Instrument :

BNA_N

ClientSampleId :

A5167DL

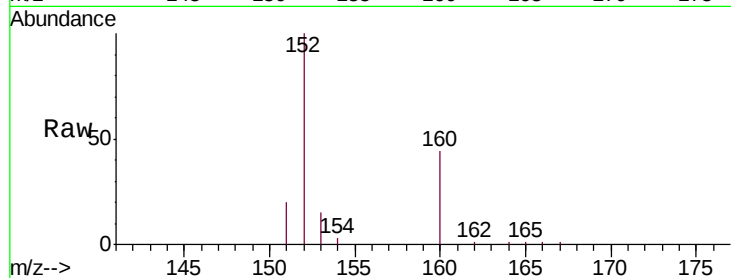
Tgt Ion:152 Resp: 9195

Ion Ratio Lower Upper

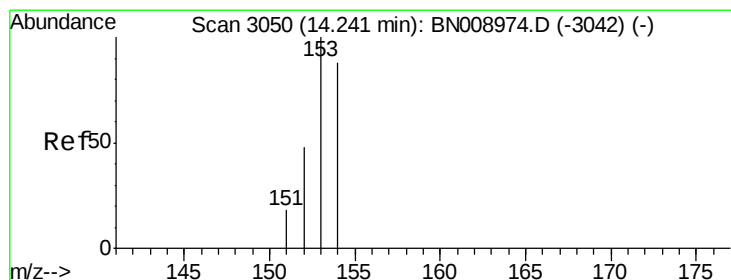
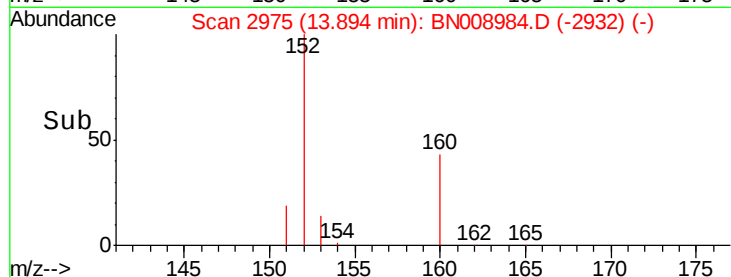
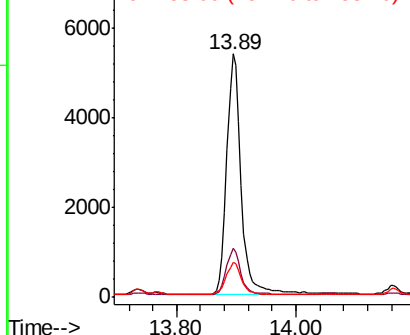
152 100

151 20.3 15.8 23.6

153 14.5 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



#8

Acenaphthene

Concen: 0.064 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

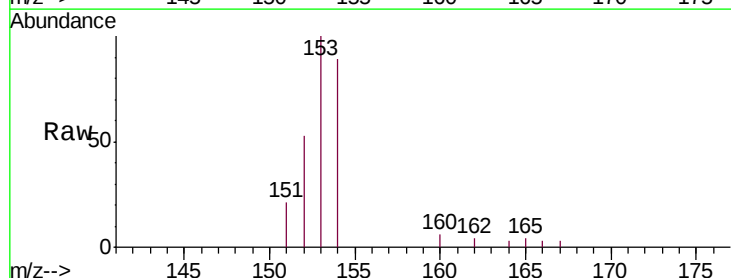
Tgt Ion:153 Resp: 2489

Ion Ratio Lower Upper

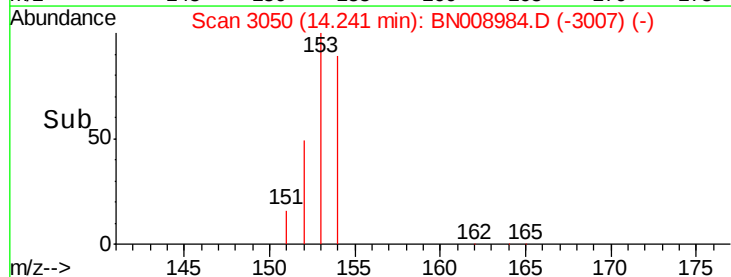
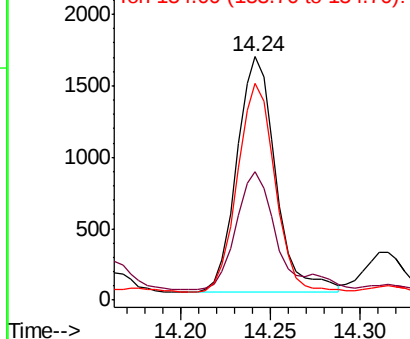
153 100

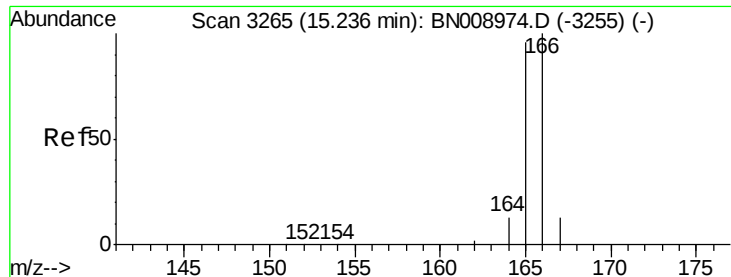
152 52.6 38.6 58.0

154 89.1 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: 0.098 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

Instrument :

BNA_N

ClientSampleId :

A5167DL

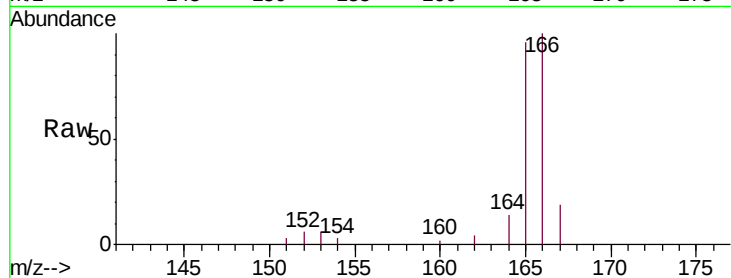
Tgt Ion:166 Resp: 4449

Ion Ratio Lower Upper

166 100

165 96.0 77.7 116.5

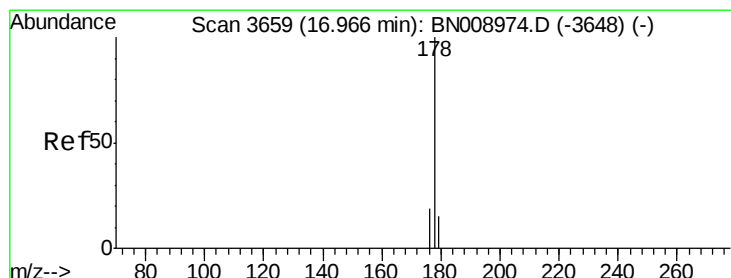
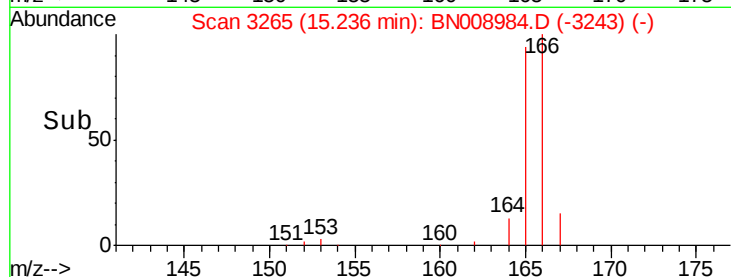
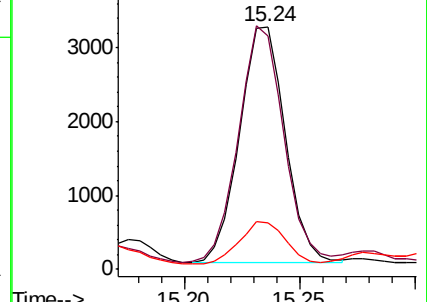
167 19.2 11.1 16.7#



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: 0.902 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

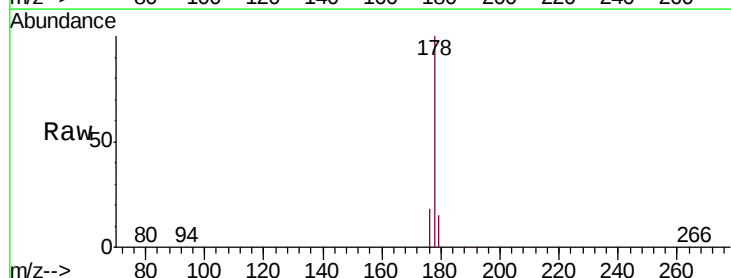
Tgt Ion:178 Resp: 66339

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

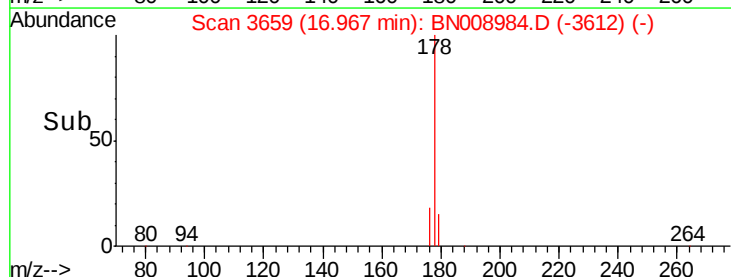
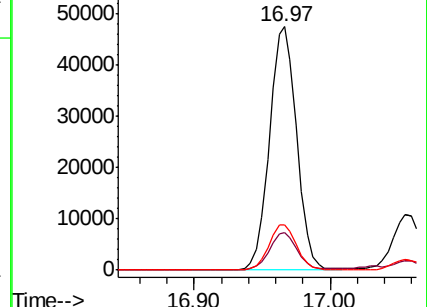
176 18.4 15.3 22.9

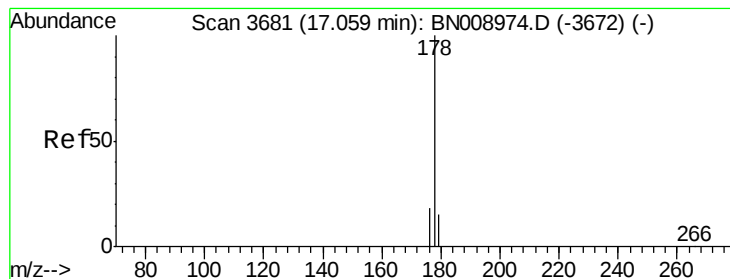


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.218 ng/ul

RT: 17.06 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

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A5167DL

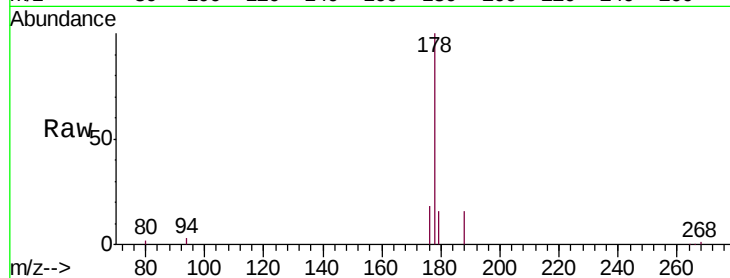
Tgt Ion:178 Resp: 15125

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.4

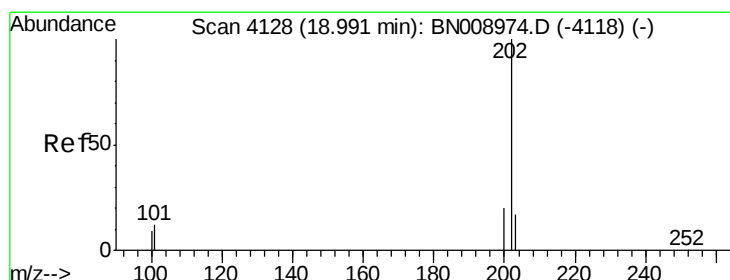
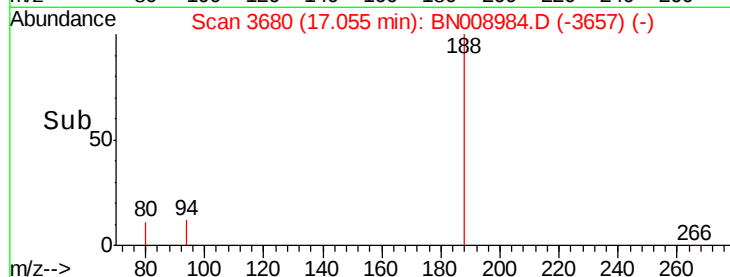
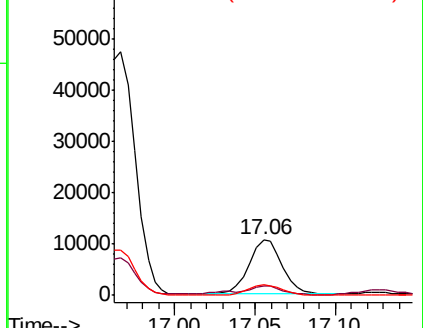
176 18.5 14.7 22.1



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: 2.148 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

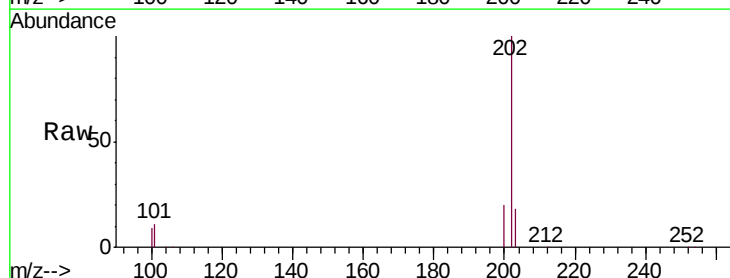
Tgt Ion:202 Resp: 194208

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.4

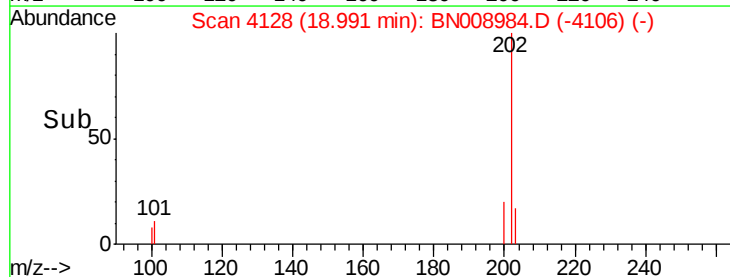
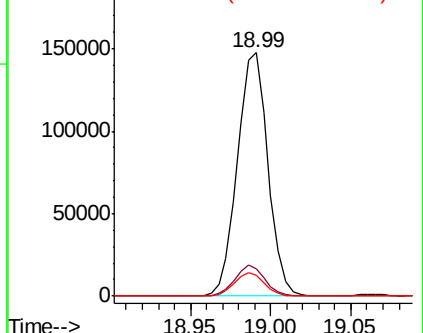
100 8.5 0.0 29.2

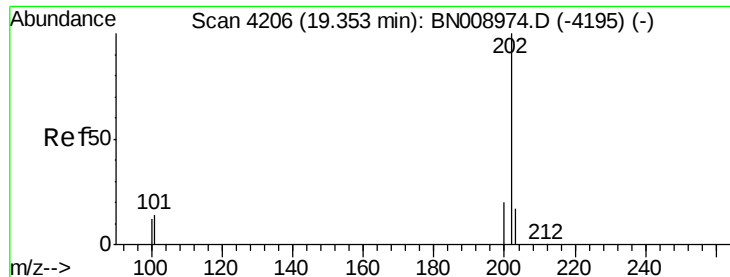


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

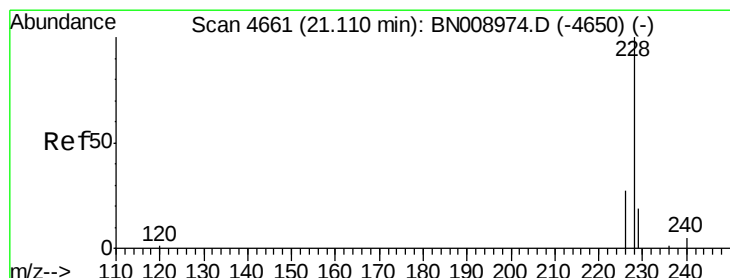
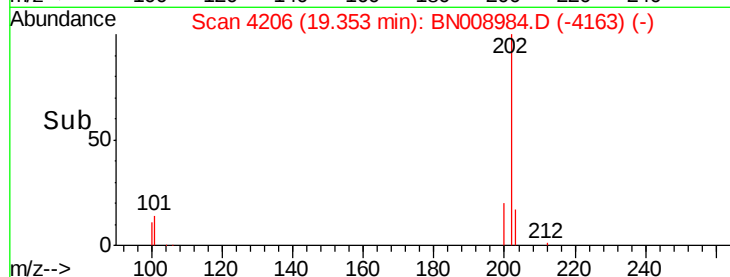
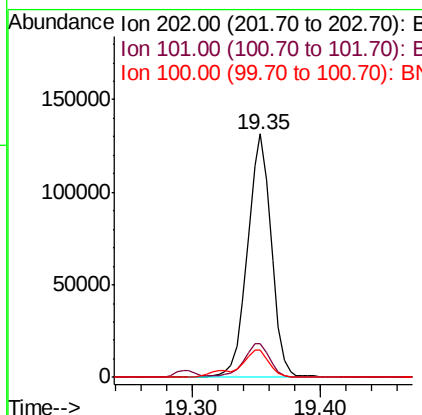
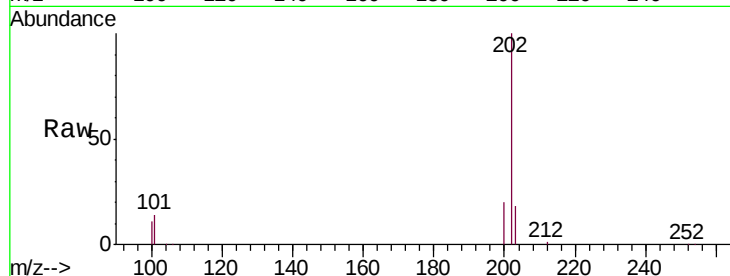




#17
 Pyrene
 Concen: 2.243 ng/ul
 RT: 19.35 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: BN008984.D
 Acq: 14 Dec 2019 01:34

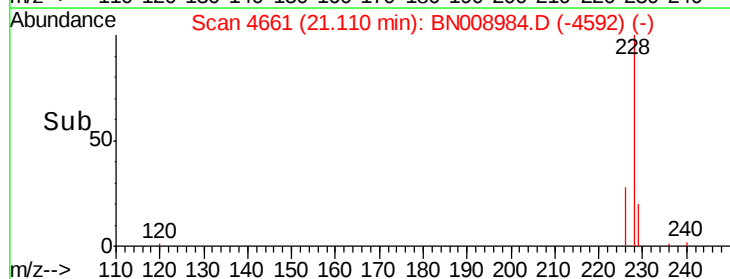
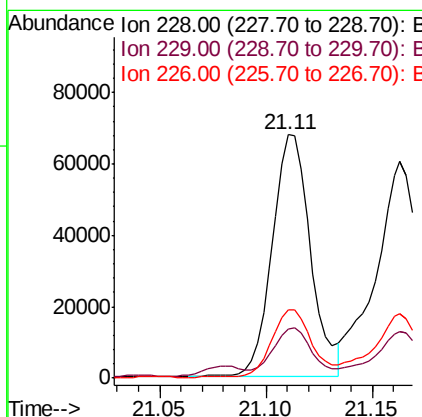
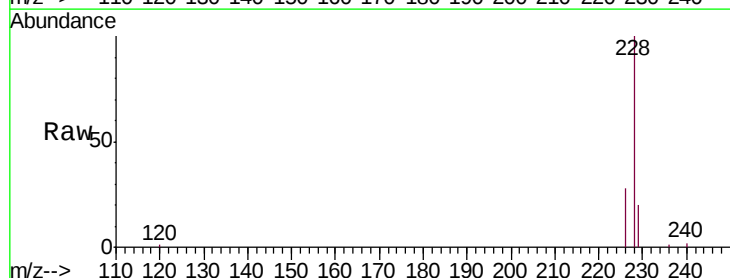
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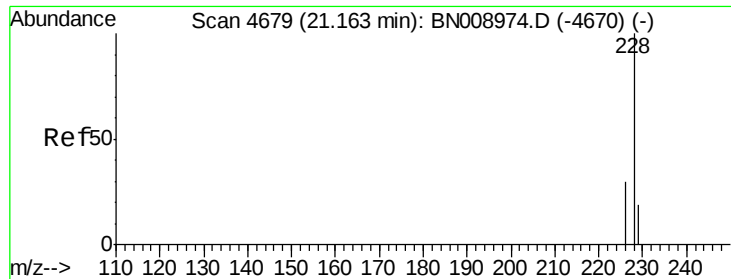
Tgt Ion:202 Resp: 167493
 Ion Ratio Lower Upper
 202 100
 101 13.7 12.2 18.4
 100 11.1 9.5 14.3



#18
 Benzo(a)anthracene
 Concen: 1.132 ng/ul
 RT: 21.11 min Scan# 4661
 Delta R.T. 0.00 min
 Lab File: BN008984.D
 Acq: 14 Dec 2019 01:34

Tgt Ion:228 Resp: 84751
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.7 23.5
 226 28.2 21.5 32.3





#19

Chrysene

Concen: 1.151 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

Instrument :

BNA_N

ClientSampleId :

A5167DL

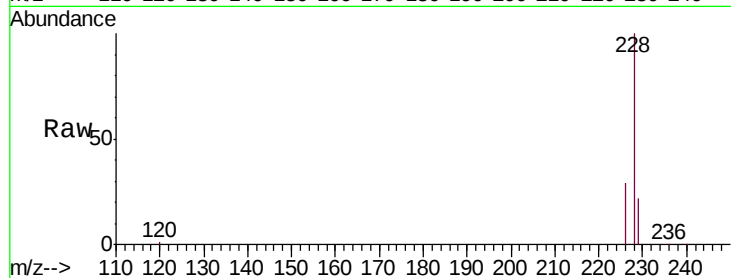
Tgt Ion:228 Resp: 84631

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.6

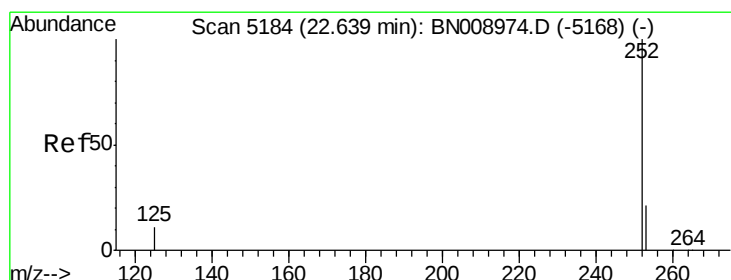
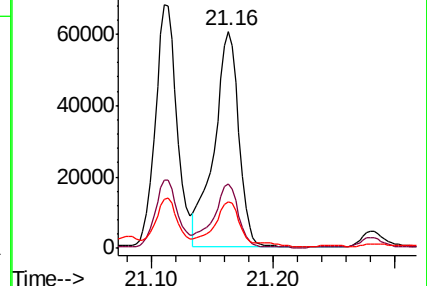
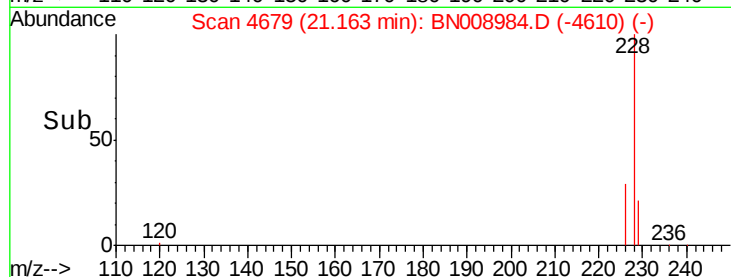
229 21.7 15.6 23.4



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: 2.019 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

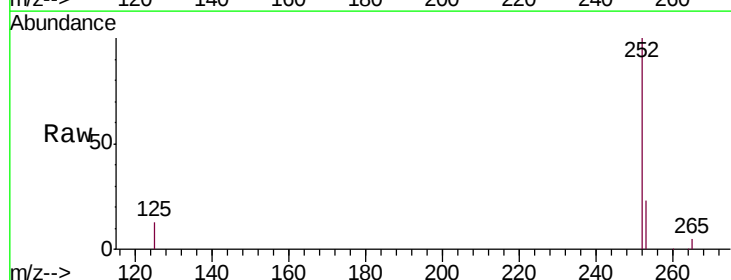
Tgt Ion:252 Resp: 144628

Ion Ratio Lower Upper

252 100

253 22.8 0.0 48.6

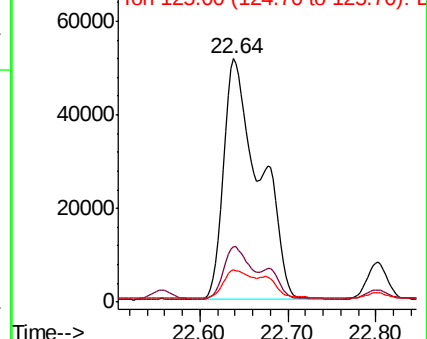
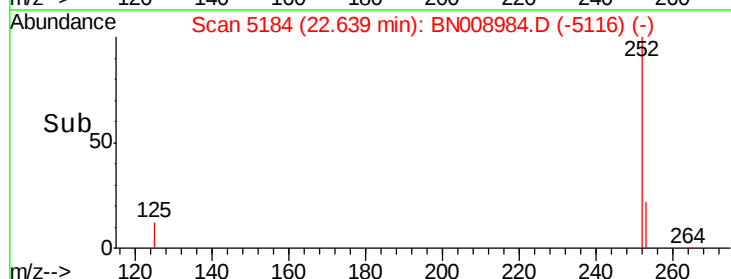
125 13.2 0.0 31.6

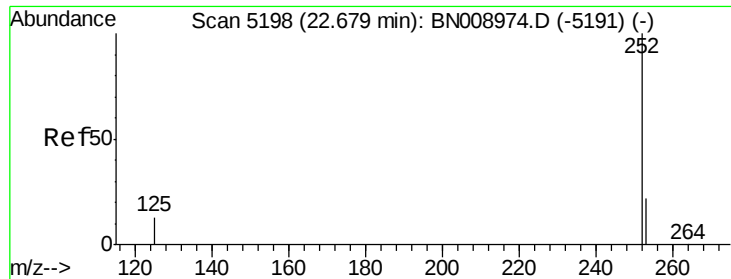


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.036 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.04 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

Instrument :

BNA_N

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A5167DL

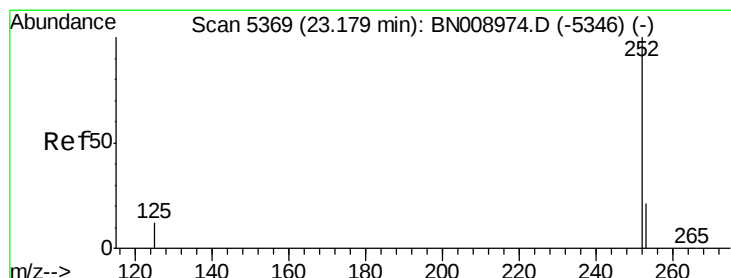
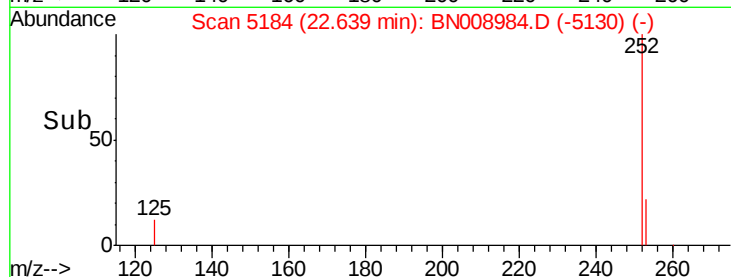
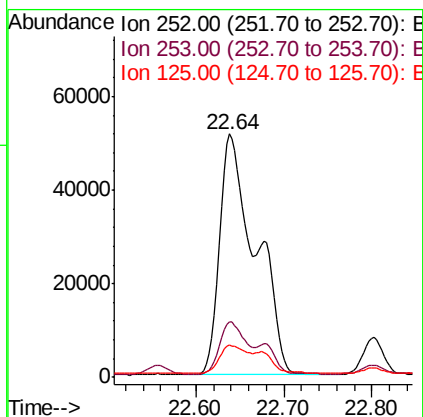
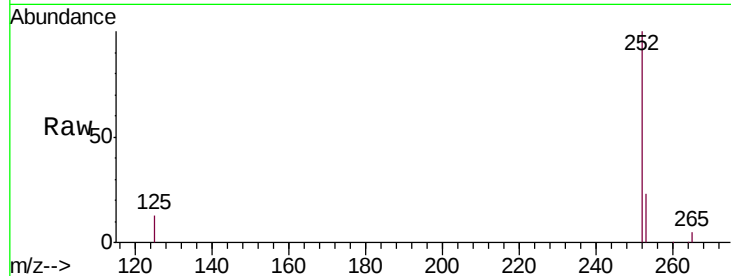
Tgt Ion:252 Resp: 144628

Ion Ratio Lower Upper

252 100

253 22.8 19.6 29.4

125 13.2 13.8 20.6#



#23

Benzo(a)pyrene

Concen: 1.024 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. 0.00 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

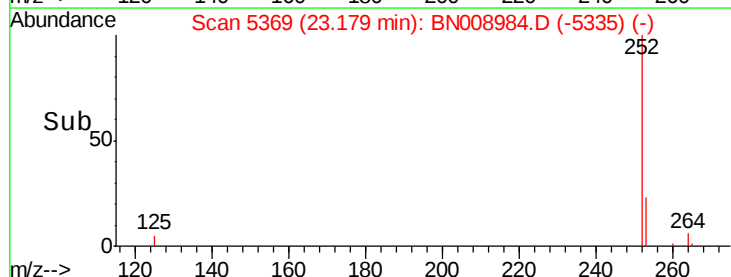
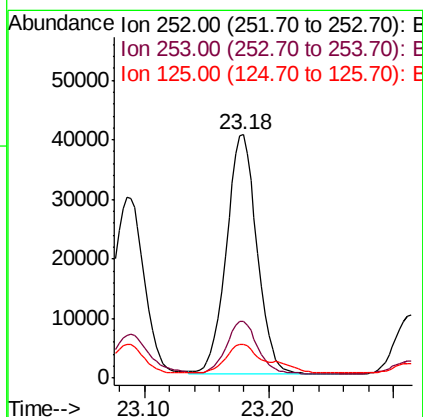
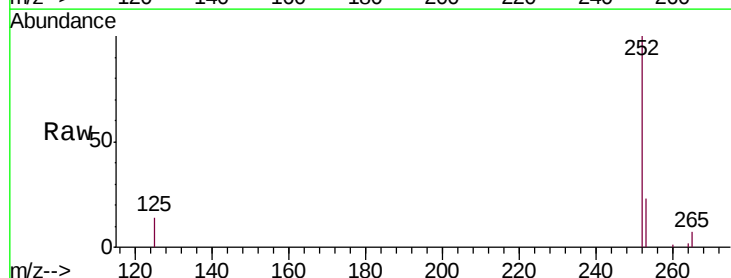
Tgt Ion:252 Resp: 68829

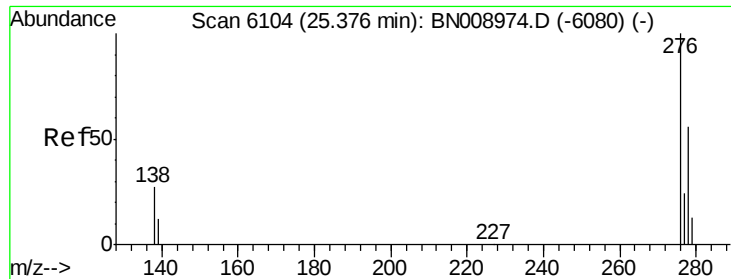
Ion Ratio Lower Upper

252 100

253 23.3 19.9 29.9

125 14.0 14.6 22.0#

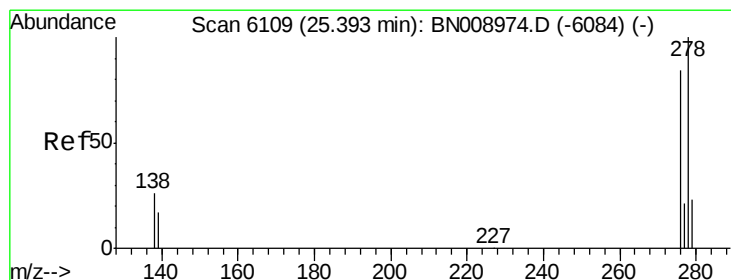
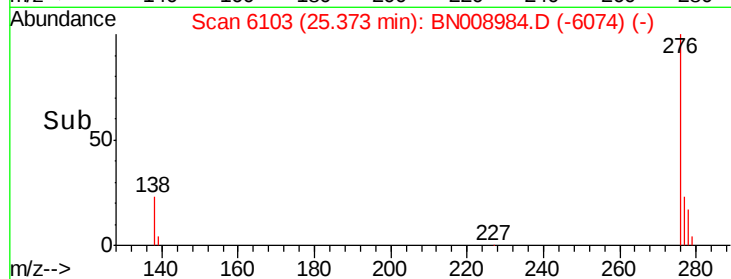
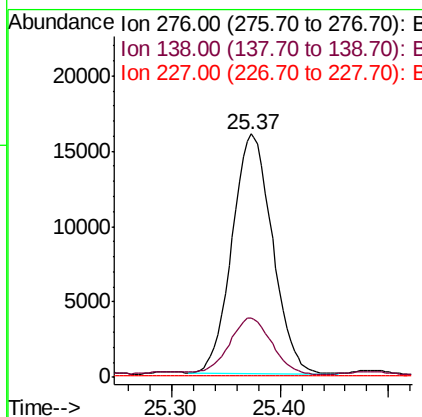
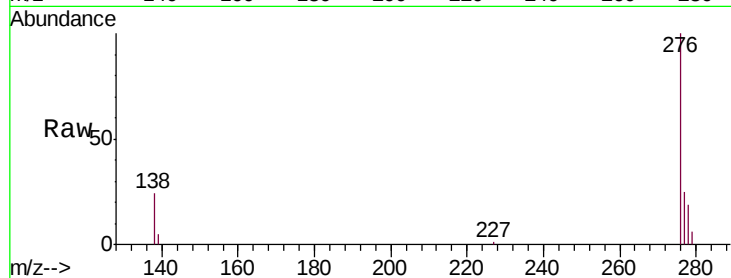




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.523 ng/ul
 RT: 25.37 min Scan# 6103
 Delta R.T. -0.00 min
 Lab File: BN008984.D
 Acq: 14 Dec 2019 01:34

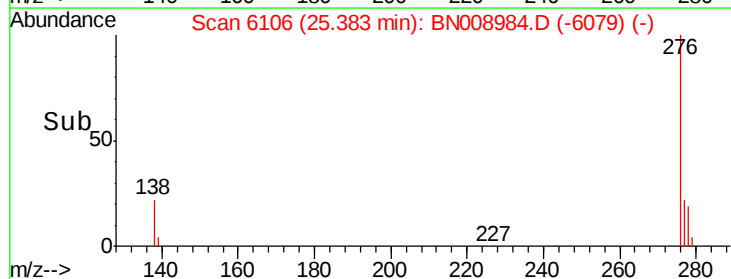
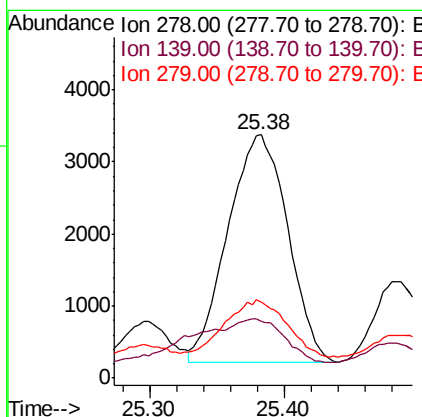
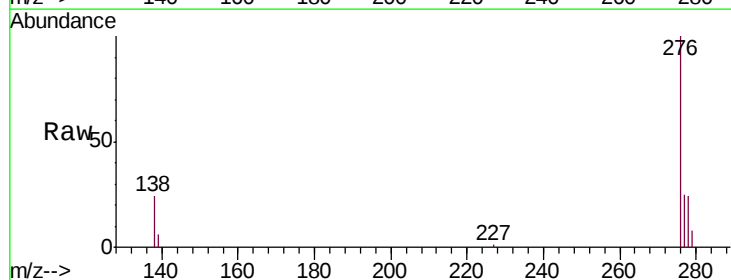
Instrument :
 BNA_N
 ClientSampleId :
 A5167DL

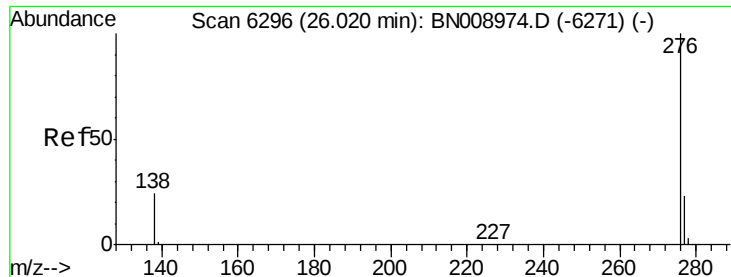
Tgt Ion: 276 Resp: 41153
 Ion Ratio Lower Upper
 276 100
 138 24.6 23.8 35.6
 227 0.3 0.2 0.2#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.154 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.01 min
 Lab File: BN008984.D
 Acq: 14 Dec 2019 01:34

Tgt Ion: 278 Resp: 9761
 Ion Ratio Lower Upper
 278 100
 139 23.5 17.4 26.0
 279 31.2 20.5 30.7#





#26

Benzo(g,h,i)perylene

Concen: 0.593 ng/ul

RT: 26.01 min Scan# 6294

Delta R.T. -0.01 min

Lab File: BN008984.D

Acq: 14 Dec 2019 01:34

Instrument :

BNA_N

ClientSampleId :

A5167DL

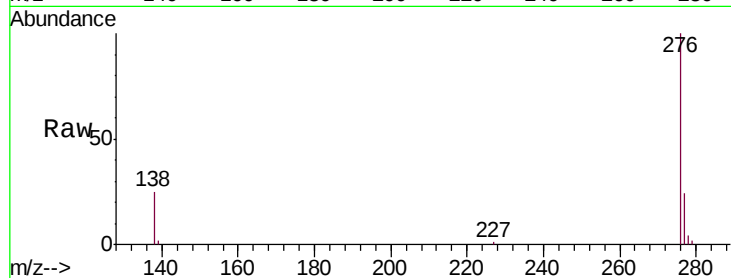
Tgt Ion: 276 Resp: 38984

Ion Ratio Lower Upper

276 100

138 25.2 21.9 32.9

277 24.1 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

