

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011421\
 Data File : BN013406.D
 Acq On : 14 Jan 2021 10:33
 Operator : CG/JU
 Sample : PB134022BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

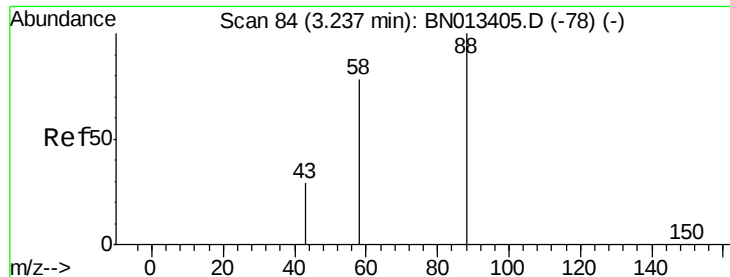
Instrument :
 BNA_N
 ClientSampleId :
 SBLK022

Quant Time: Jan 14 11:09:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN010621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 10:44:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	5439	0.40	ng/ul	0.00
4) Naphthalene-d8	10.35	136	19573	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.22	164	9781	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	20313	0.40	ng/ul	0.00
19) Chrysene-d12	21.16	240	17161	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	16705	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	4214	0.73	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.95	152	11468	0.39	ng/ul	0.00
17) Fluoranthene-d10	19.00	212	20389	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.25	88	26	0.005	ng/ul#	64
5) Naphthalene	10.41	128	28	0.001	ng/ul#	1
7) 2-Methylnaphthalene	12.01	142	13	0.000	ng/ul	88
8) 1-Methylnaphthalene	12.23	142	11	0.000	ng/ul#	24
10) Acenaphthylene	13.93	152	13	0.000	ng/ul#	1
11) Acenaphthene	14.28	153	26	0.001	ng/ul#	76
12) Fluorene	15.27	166	10	0.000	ng/ul#	32
14) Pentachlorophenol	16.61	266	40	0.010	ng/ul#	72
15) Phenanthrene	17.00	178	142	0.002	ng/ul#	1
16) Anthracene	17.09	178	105	0.002	ng/ul#	1
18) Fluoranthene	19.02	202	269	0.004	ng/ul#	31
20) Pyrene	19.39	202	287	0.004	ng/ul#	35
21) Benzo(a)anthracene	21.14	228	498	0.008	ng/ul#	82
22) Chrysene	21.20	228	721	0.010	ng/ul#	87
24) Benzo(b)fluoranthene	22.68	252	868	0.013	ng/ul#	1
25) Benzo(k)fluoranthene	22.73	252	770	0.012	ng/ul#	1
26) Benzo(a)pyrene	23.24	252	343	0.006	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.49	276	613	0.008	ng/ul#	47
28) Dibenzo(a,h)anthracene	25.51	278	589	0.010	ng/ul#	12
29) Benzo(g,h,i)perylene	26.15	276	491	0.008	ng/ul#	38

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

```
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Acq On    : 14 Jan 2021  10:33  
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Sample    : PB134022BL  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
```



#2

1,4-Dioxane

Concen: 0.005 ng/ul

RT: 3.25 min Scan# 86

Delta R.T. 0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

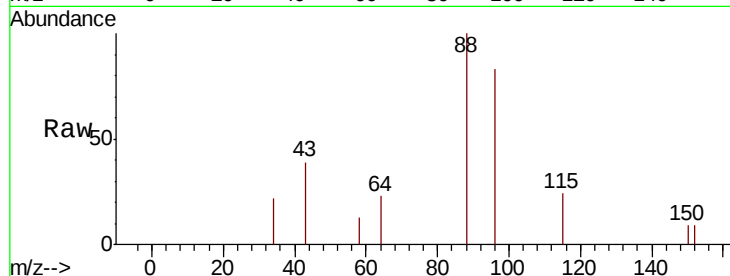
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 38.6 31.5 47.3

58 13.1 46.4 69.6#

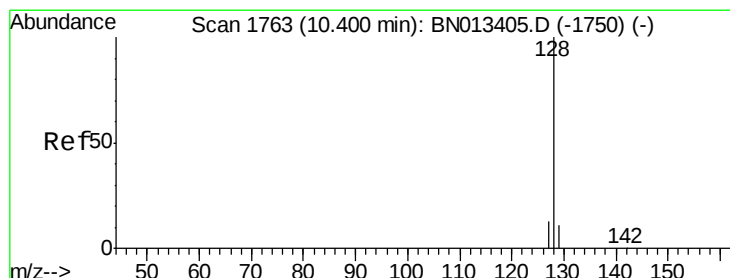
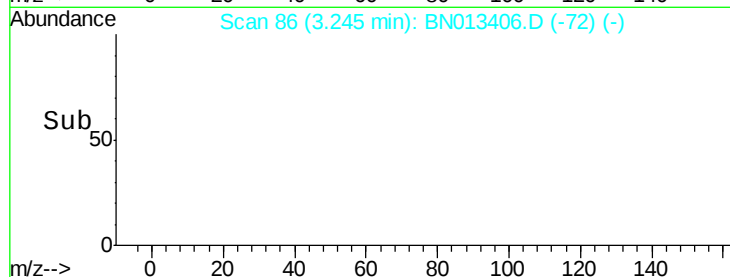


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 43.00 (42.70 to 43.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Time--> 3.23 3.24 3.25



#5

Naphthalene

Concen: 0.001 ng/ul

RT: 10.41 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

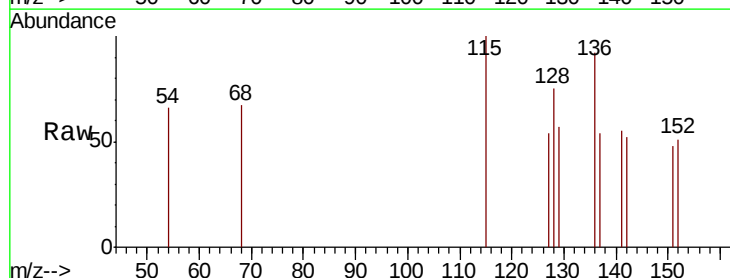
Tgt Ion: 128 Resp: 28

Ion Ratio Lower Upper

128 100

129 76.6 9.1 13.7#

127 72.7 10.6 16.0#

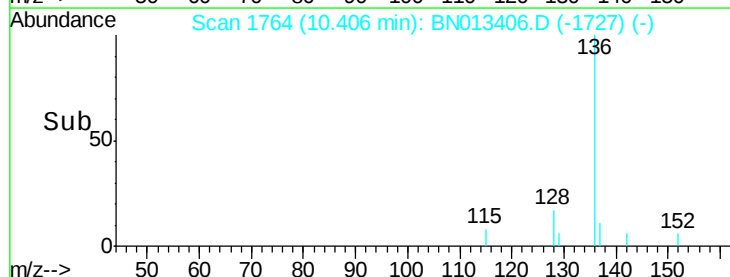


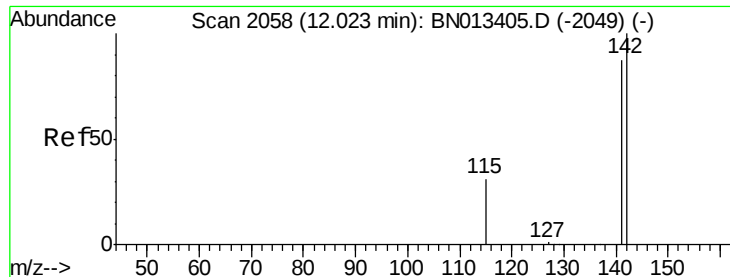
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time--> 10.35 10.40





#7

2-Methylnaphthalene

Concen: 0.000 ng/u1

RT: 12.01 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

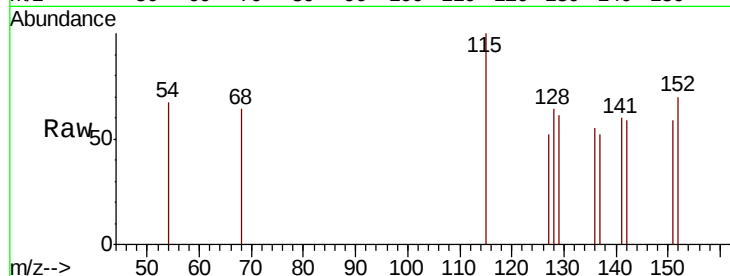
SBLK022

Tot Ion:142 Resp: 13

Ion Ratio Lower Upper

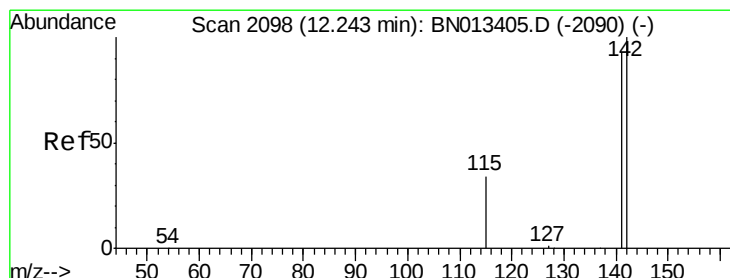
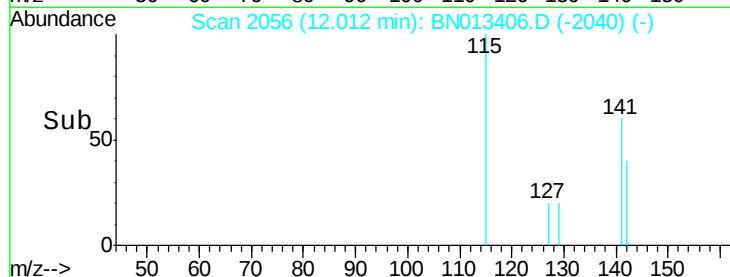
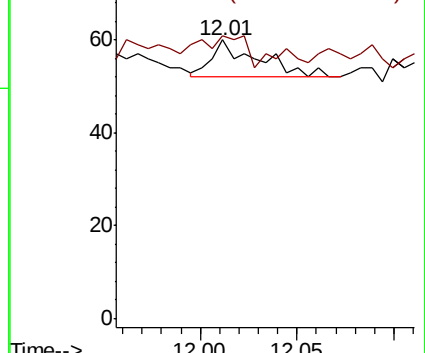
142 100

141 76.9 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.000 ng/u1

RT: 12.23 min Scan# 2096

Delta R.T. -0.01 min

Lab File: BN013406.D

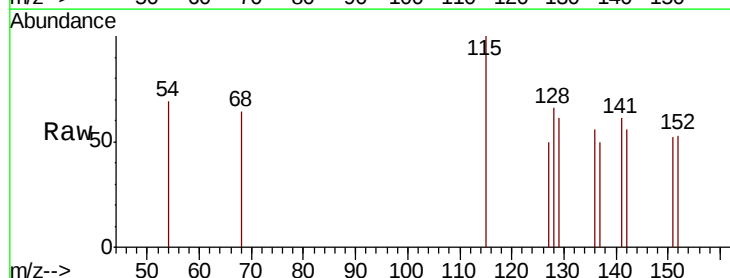
Acq: 14 Jan 2021 10:33

Tgt Ion:142 Resp: 11

Ion Ratio Lower Upper

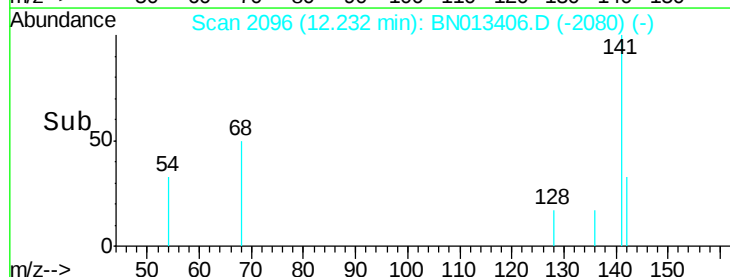
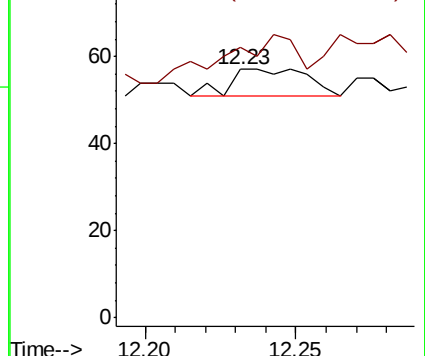
142 100

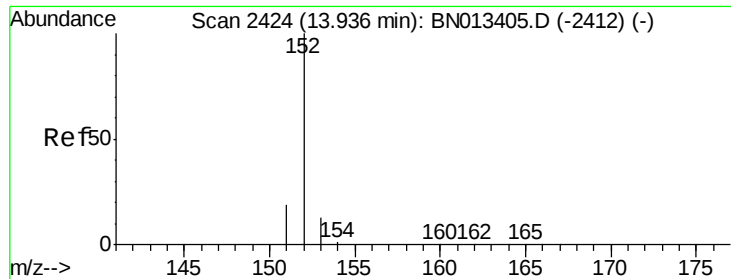
141 163.6 73.2 109.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.000 ng/ul

RT: 13.93 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

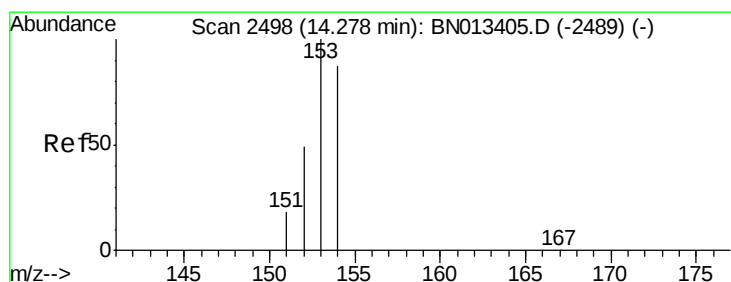
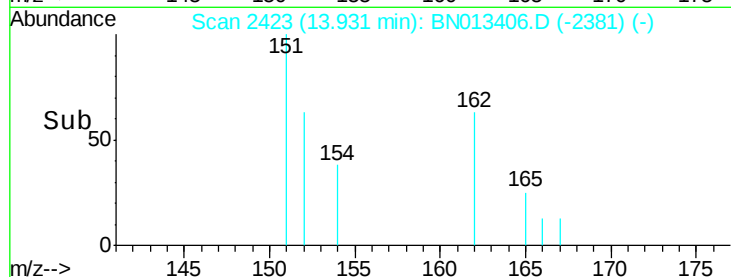
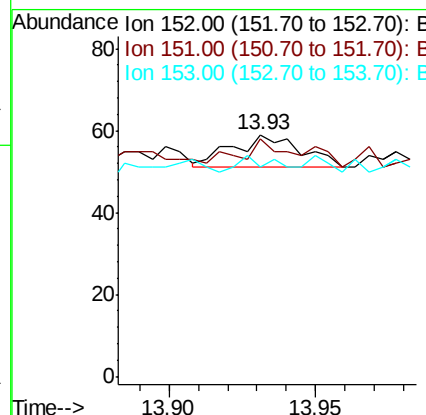
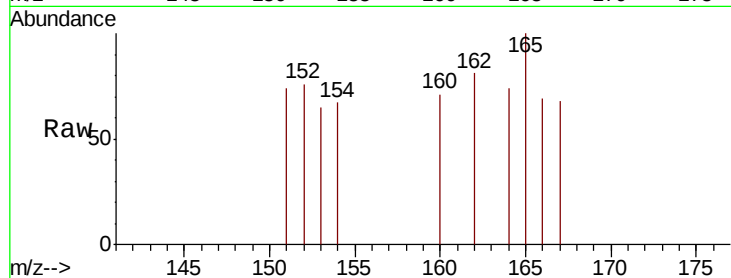
Tot Ion:152 Resp: 13

Ion Ratio Lower Upper

152 100

151 98.3 16.2 24.4#

153 86.4 10.6 16.0#



#11

Acenaphthene

Concen: 0.001 ng/ul

RT: 14.28 min Scan# 2499

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

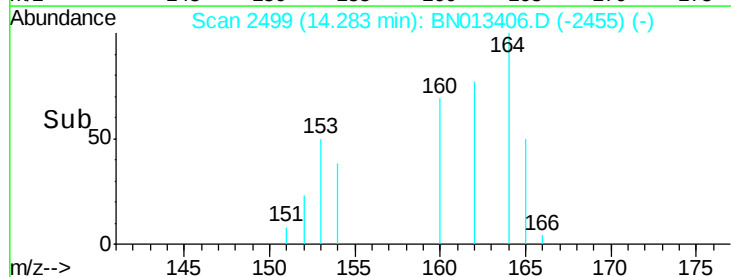
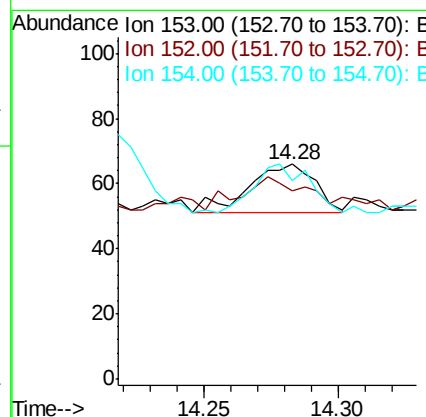
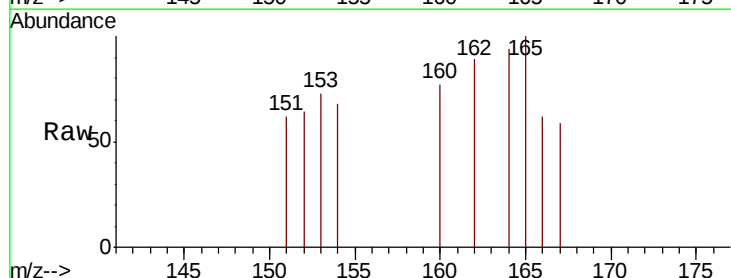
Tgt Ion:153 Resp: 26

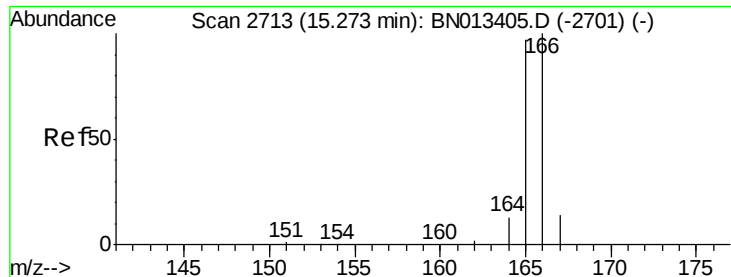
Ion Ratio Lower Upper

153 100

152 87.9 38.6 58.0#

154 92.4 70.1 105.1





#12

Fluorene

Concen: 0.000 ng/ul

RT: 15.27 min Scan# 2713

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampled :

SBLK022

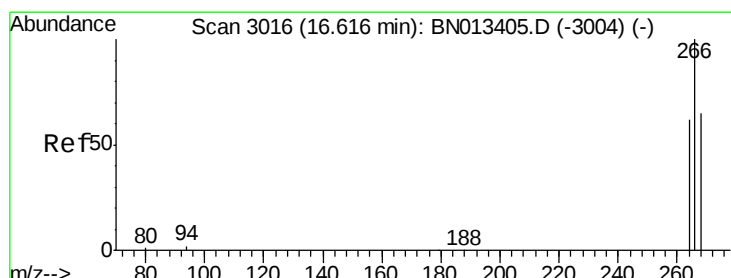
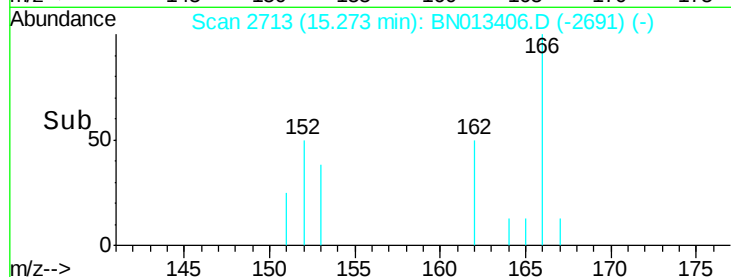
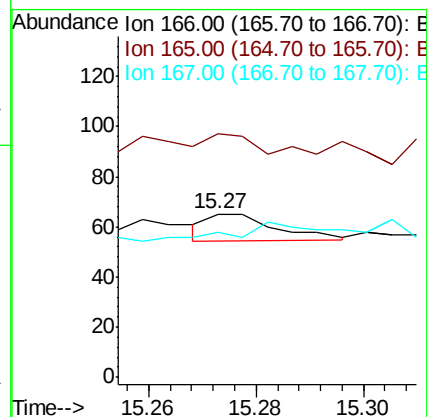
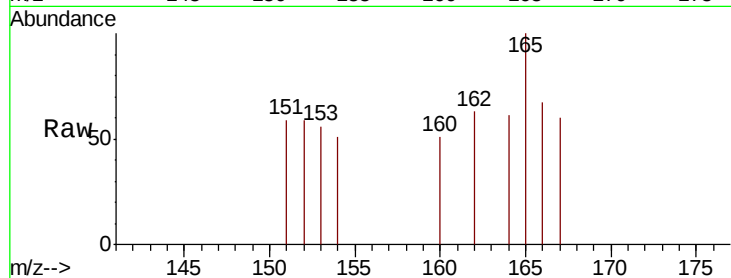
Tot Ion:166 Resp: 10

Ion Ratio Lower Upper

166 100

165 149.2 79.0 118.4#

167 89.2 11.1 16.7#



#14

Pentachlorophenol

Concen: 0.010 ng/ul

RT: 16.61 min Scan# 3014

Delta R.T. -0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

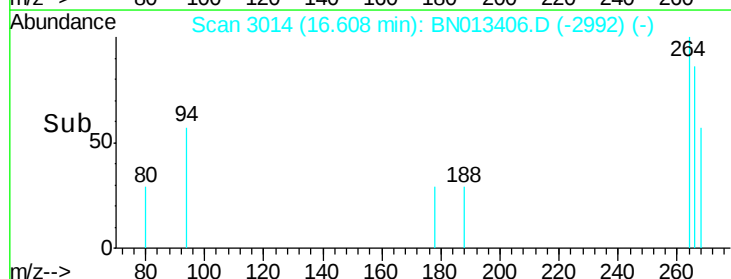
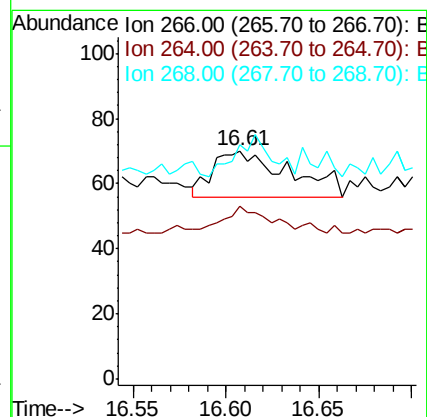
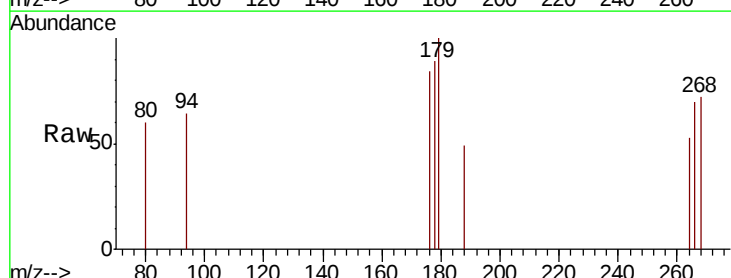
Tgt Ion:266 Resp: 40

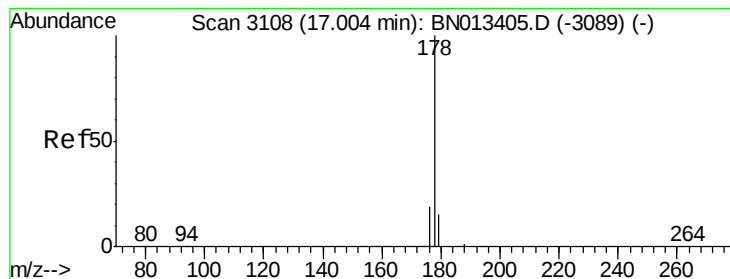
Ion Ratio Lower Upper

266 100

264 40.0 49.5 74.3#

268 42.5 51.7 77.5#





#15

Phenanthrene

Concen: 0.002 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampled :

SBLK022

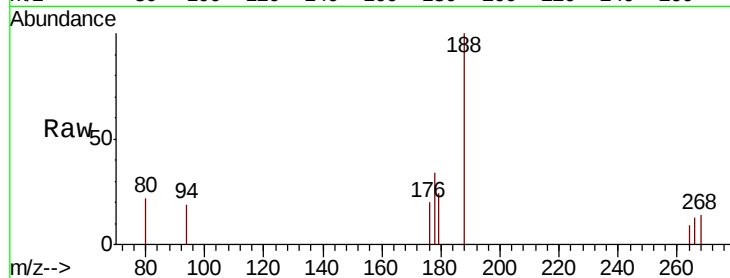
Tot Ion:178 Resp: 142

Ion Ratio Lower Upper

178 100

179 68.2 12.7 19.1#

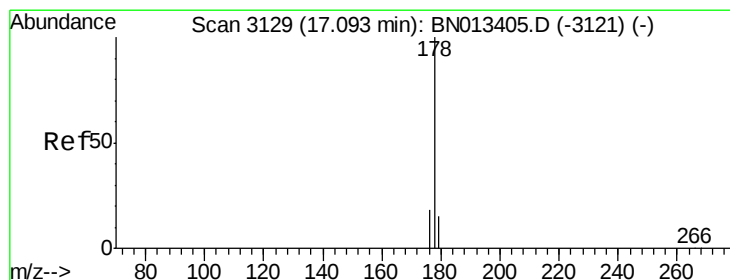
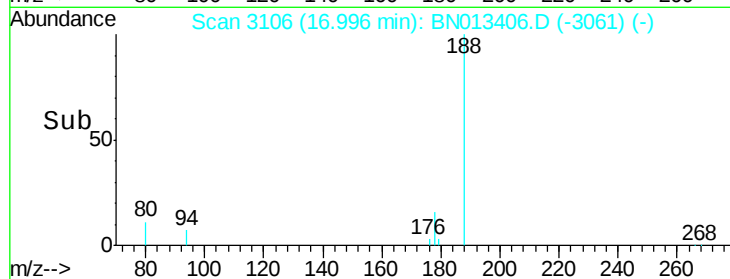
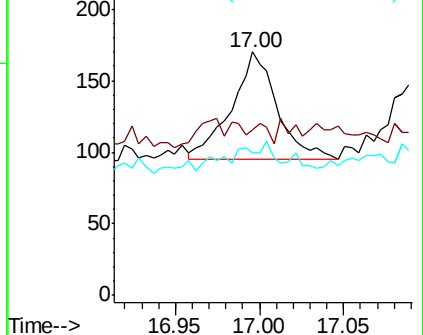
176 58.8 15.4 23.0#



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



#16

Anthracene

Concen: 0.002 ng/ul

RT: 17.09 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

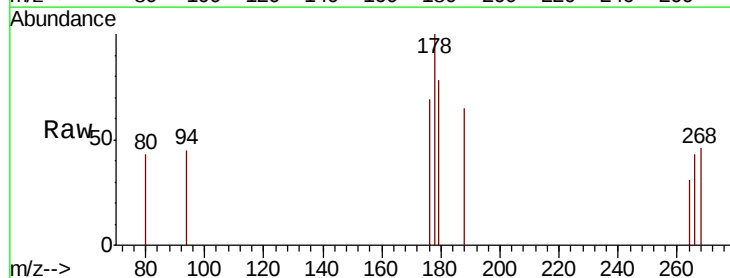
Tgt Ion:178 Resp: 105

Ion Ratio Lower Upper

178 100

179 77.6 12.7 19.1#

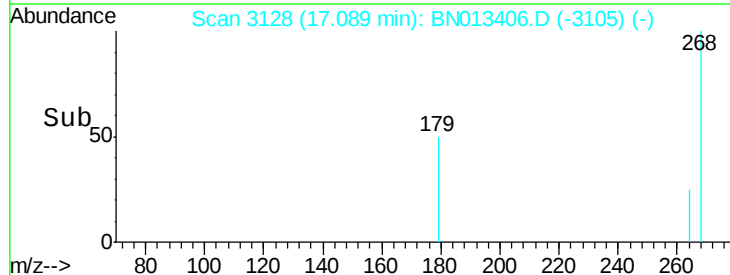
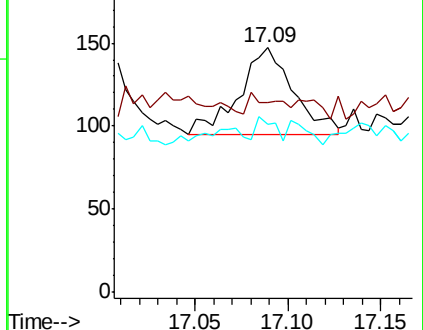
176 68.7 14.7 22.1#

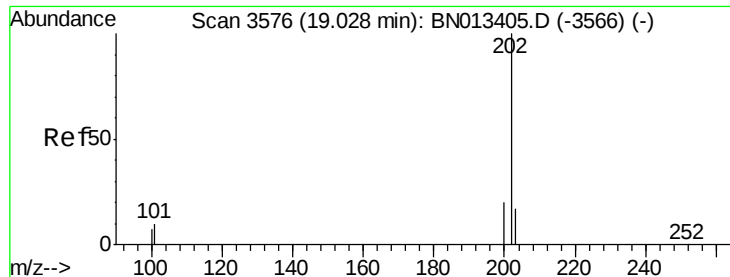


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.004 ng/ul

RT: 19.02 min Scan# 3575

Delta R.T. -0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

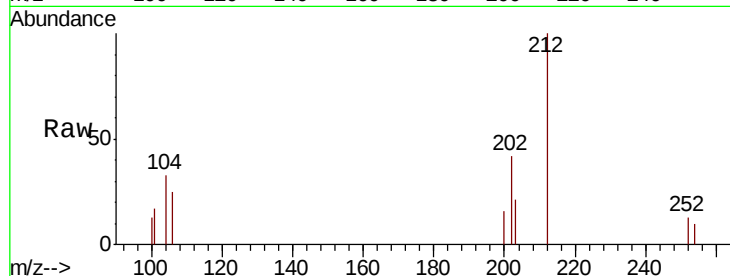
Tot Ion:202 Resp: 269

Ion Ratio Lower Upper

202 100

101 40.6 9.3 13.9#

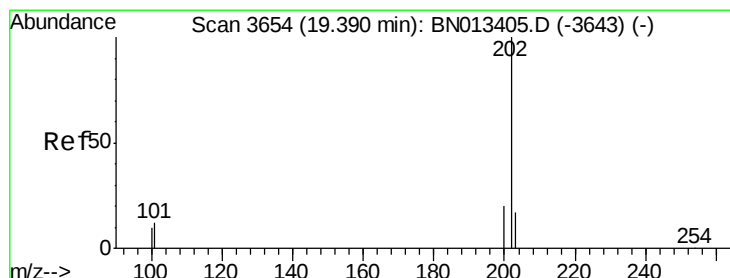
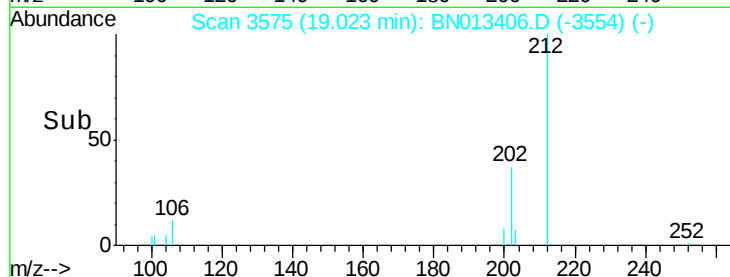
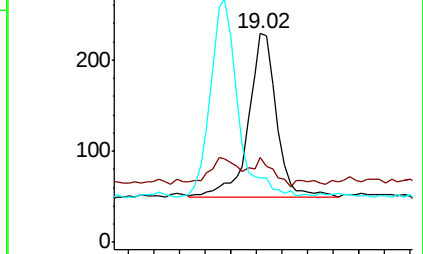
100 30.6 7.0 10.4#



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



#20

Pyrene

Concen: 0.004 ng/ul

RT: 19.39 min Scan# 3654

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

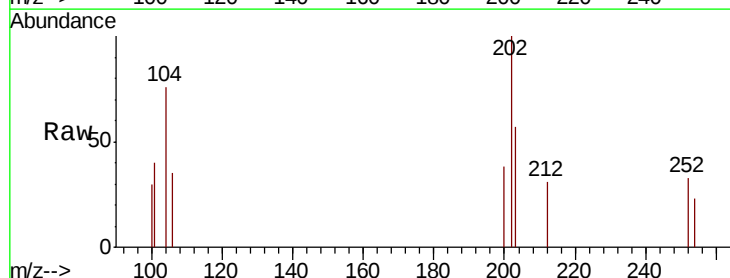
Tgt Ion:202 Resp: 287

Ion Ratio Lower Upper

202 100

101 39.9 9.7 14.5#

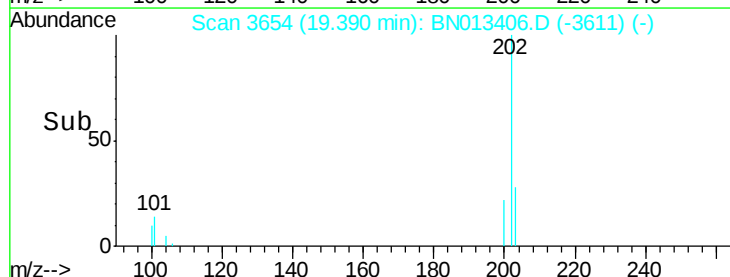
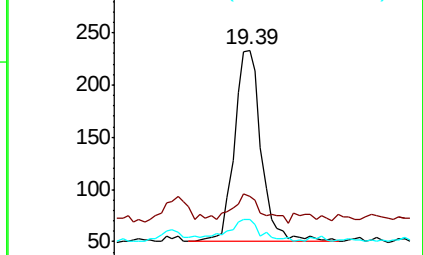
100 30.5 7.6 11.4#

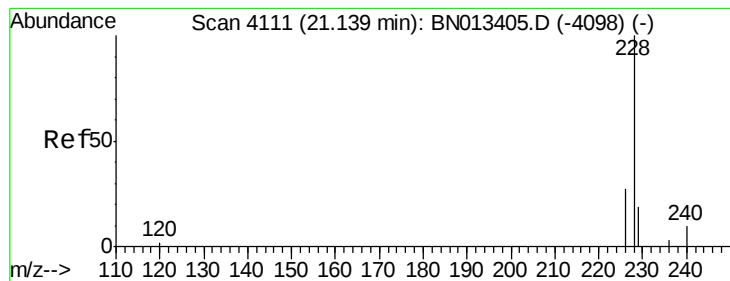


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.008 ng/ul

RT: 21.14 min Scan# 4112

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

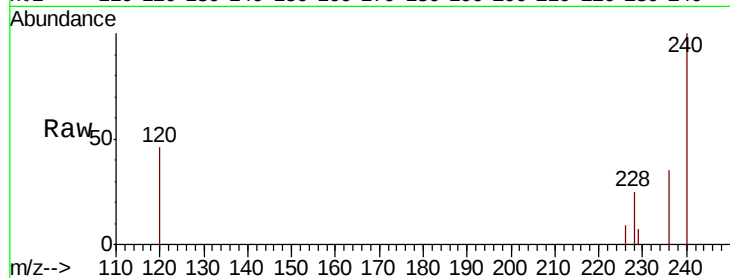
Tot Ion:228 Resp: 498

Ion Ratio Lower Upper

228 100

229 28.5 15.8 23.6#

226 36.3 21.6 32.4#

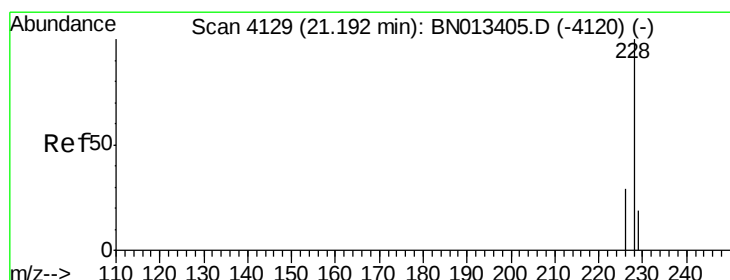
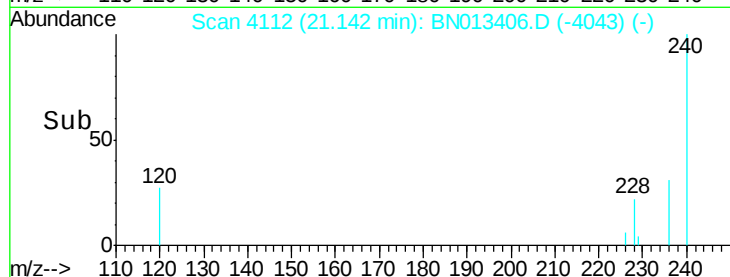
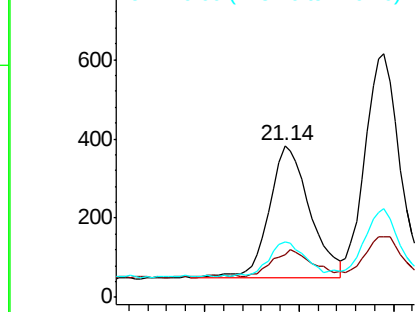


Abundance

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



#22

Chrysene

Concen: 0.010 ng/ul

RT: 21.20 min Scan# 4130

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

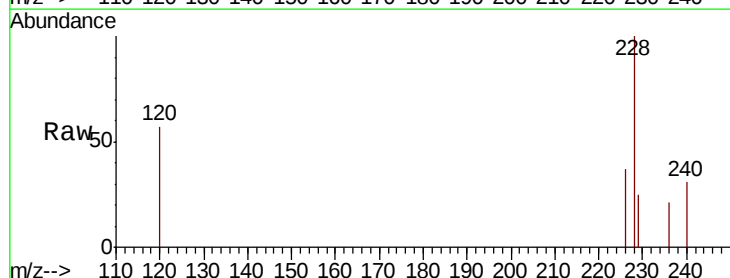
Tgt Ion:228 Resp: 721

Ion Ratio Lower Upper

228 100

226 36.6 23.6 35.4#

229 25.1 15.7 23.5#

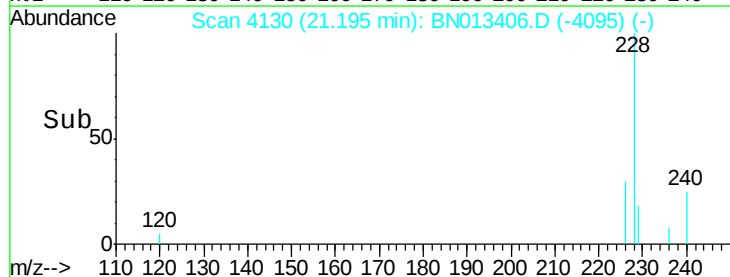
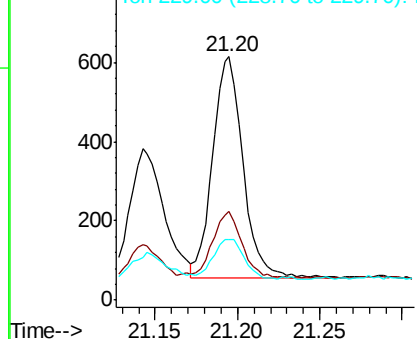


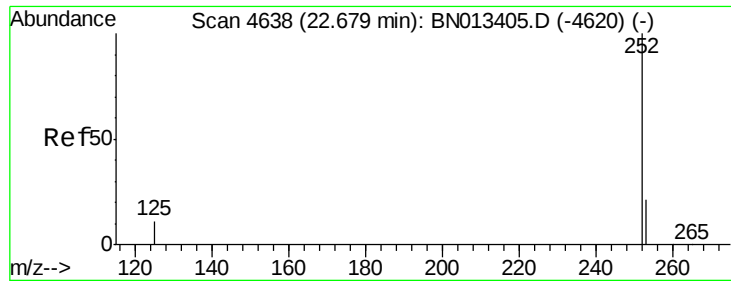
Abundance

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





#24

Benzo(b)fluoranthene

Concen: 0.013 ng/u1

RT: 22.68 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

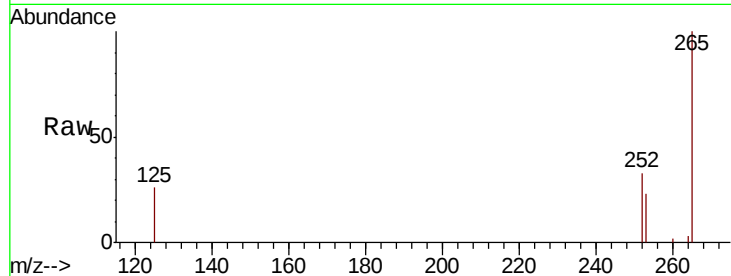
Tot Ion:252 Resp: 868

Ion Ratio Lower Upper

252 100

253 70.3 0.0 49.6#

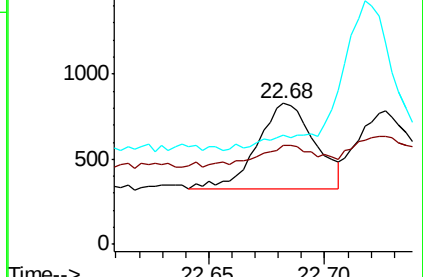
125 77.2 0.0 31.8#



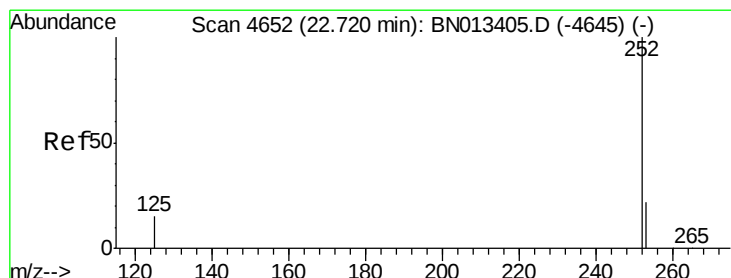
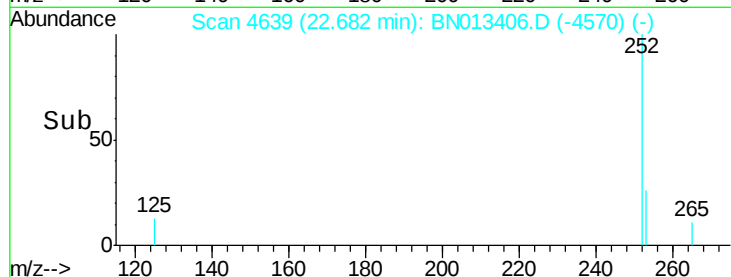
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(k)fluoranthene

Concen: 0.012 ng/u1

RT: 22.73 min Scan# 4654

Delta R.T. 0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

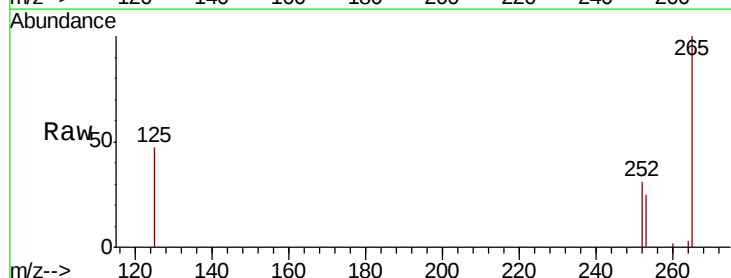
Tgt Ion:252 Resp: 770

Ion Ratio Lower Upper

252 100

253 81.1 20.3 30.5#

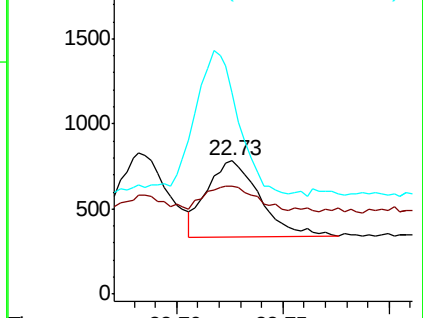
125 151.0 13.3 19.9#



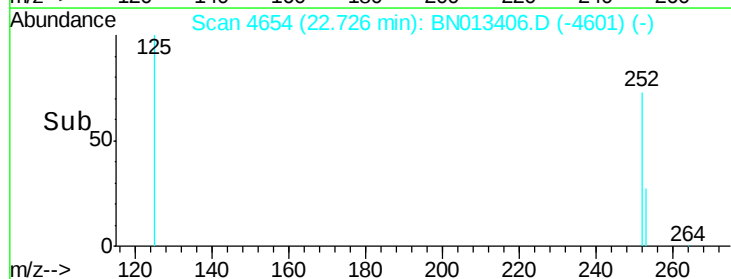
Abundance Ion 252.00 (251.70 to 252.70): E

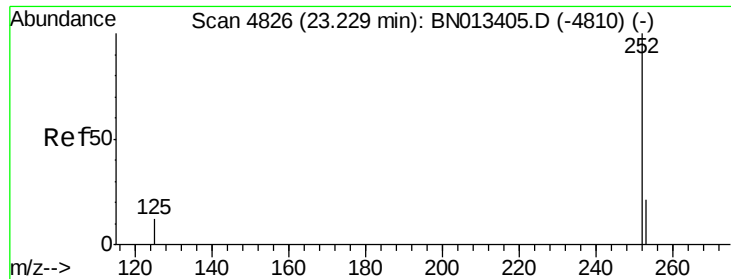
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Benzo(a)pyrene

Concen: 0.006 ng/u1

RT: 23.24 min Scan# 4829

Delta R.T. 0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

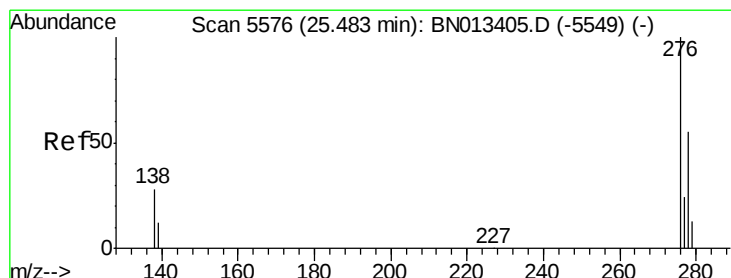
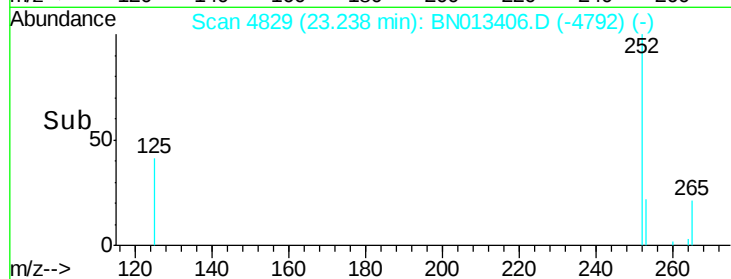
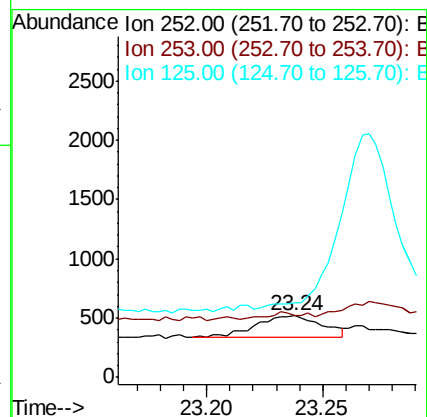
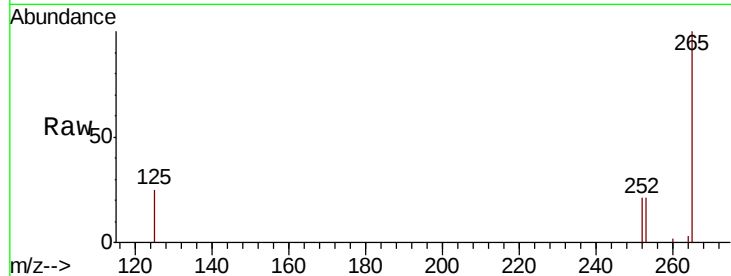
Tot Ion:252 Resp: 343

Ion Ratio Lower Upper

252 100

253 100.8 21.3 31.9#

125 122.0 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.008 ng/u1

RT: 25.49 min Scan# 5577

Delta R.T. 0.00 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

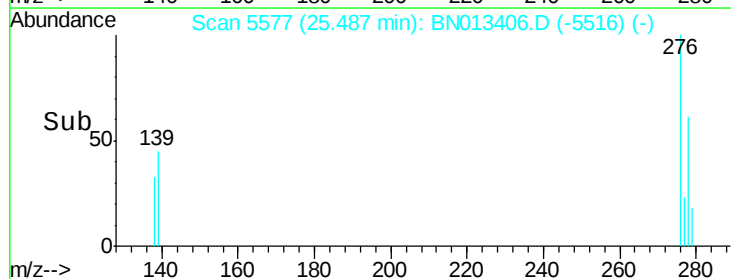
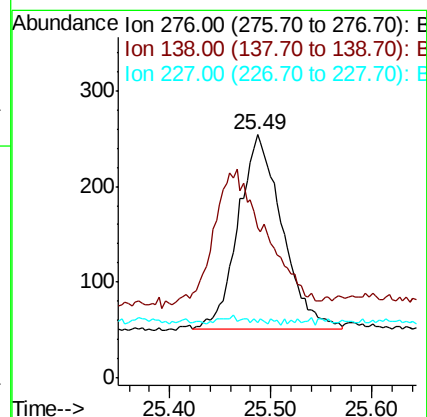
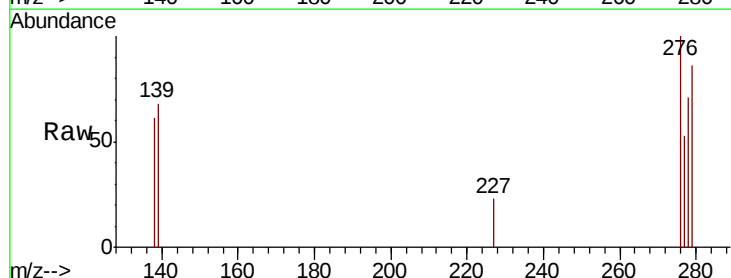
Tgt Ion:276 Resp: 613

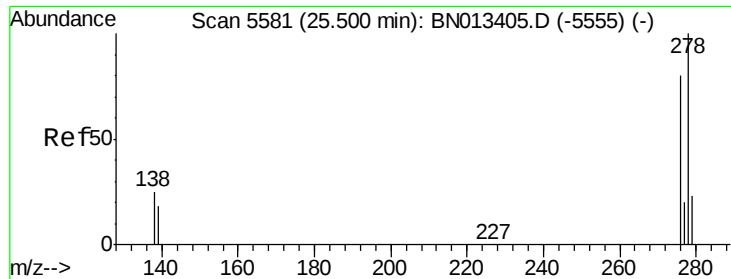
Ion Ratio Lower Upper

276 100

138 0.0 22.6 33.8#

227 0.5 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.010 ng/u1

RT: 25.51 min Scan# 5584

Delta R.T. 0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

Instrument :

BNA_N

ClientSampleId :

SBLK022

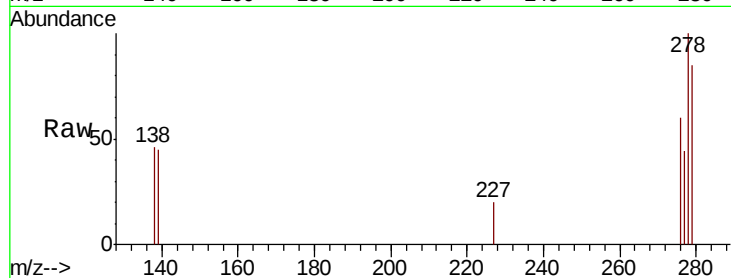
Tot Ion:278 Resp: 589

Ion Ratio Lower Upper

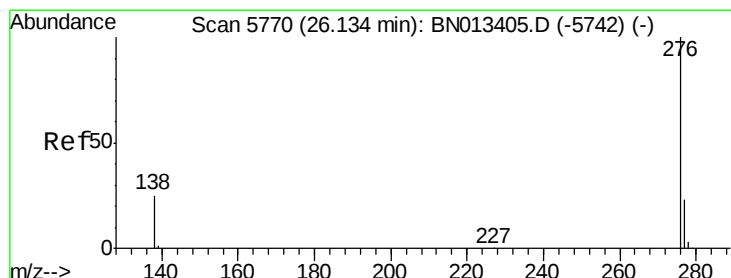
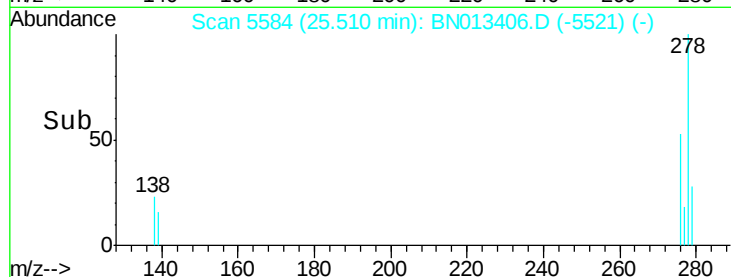
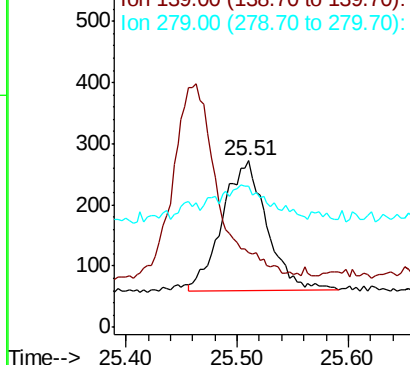
278 100

139 44.9 16.2 24.4#

279 84.9 21.0 31.6#



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



#29

Benzo(g,h,i)perylene

Concen: 0.008 ng/u1

RT: 26.15 min Scan# 5774

Delta R.T. 0.01 min

Lab File: BN013406.D

Acq: 14 Jan 2021 10:33

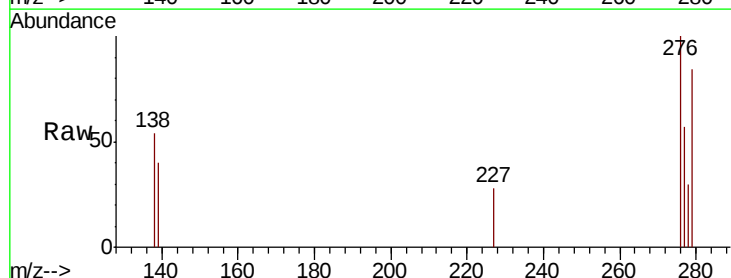
Tgt Ion:276 Resp: 491

Ion Ratio Lower Upper

276 100

138 54.4 19.3 28.9#

277 56.7 20.1 30.1#



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

