

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012521\
 Data File : BN013477.D
 Acq On : 25 Jan 2021 20:43
 Operator : CG/JU
 Sample : SSTD3.203
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

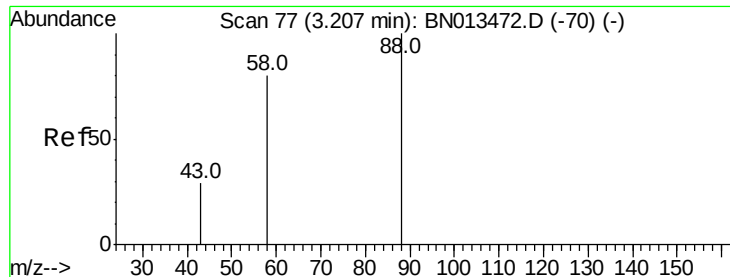
Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.2003

Quant Time: Jan 25 22:21:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN012521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 25 10:11:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4348	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	15812	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	8148	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	16232	0.40	ng/ul	0.00
17) Chrysene-d12	21.15	240	15725	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	12323	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	13498	2.99	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	72008	3.17	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	138836	3.40	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.20	88	13934	3.125	ng/ul#	82
5) Naphthalene	10.38	128	134691	3.052	ng/ul	98
7) 2-Methylnaphthalene	12.00	142	92356	3.229	ng/ul	100
8) 1-Methylnaphthalene	12.23	142	87919	3.194	ng/ul	100
10) Acenaphthylene	13.92	152	113120	3.337	ng/ul	99
11) Acenaphthene	14.27	153	90814	3.124	ng/ul	99
12) Fluorene	15.26	166	103571	3.150	ng/ul	98
14) Pentachlorophenol	16.61	266	8108	3.198	ng/ul	98
15) Phenanthrene	17.00	178	164780	3.174	ng/ul	99
16) Anthracene	17.08	178	146710	3.391	ng/ul	99
19) Fluoranthene	19.02	202	187851	3.250	ng/ul	99
20) Pyrene	19.39	202	182394	3.076	ng/ul	99
21) Benzo(a)anthracene	21.14	228	165496	3.041	ng/ul	100
22) Chrysene	21.19	228	181804	3.164	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	173783	3.704	ng/ul	96
25) Benzo(k)fluoranthene	22.72	252	182383	3.544	ng/ul	96
26) Benzo(a)pyrene	23.23	252	141313	3.440	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.48	276	199471	3.676	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.50	278	164305	3.734	ng/ul	96
29) Benzo(g,h,i)perylene	26.14	276	168086	3.662	ng/ul	99

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

```
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ALS Vial  : 7      Sample Multiplier: 1
```



#2

1,4-Dioxane

Concen: 3.125 ng/ul

RT: 3.20 min Scan# 76

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

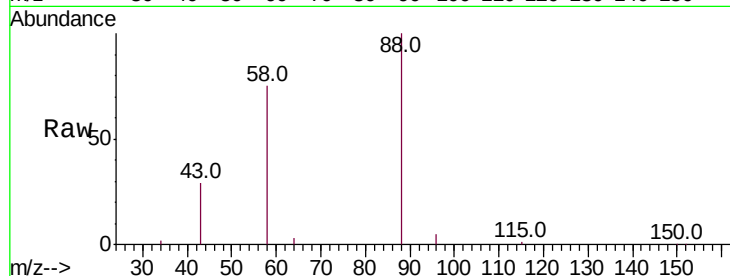
Tot Ion: 88 Resp: 13934

Ion Ratio Lower Upper

88 100

43 29.4 26.9 40.3

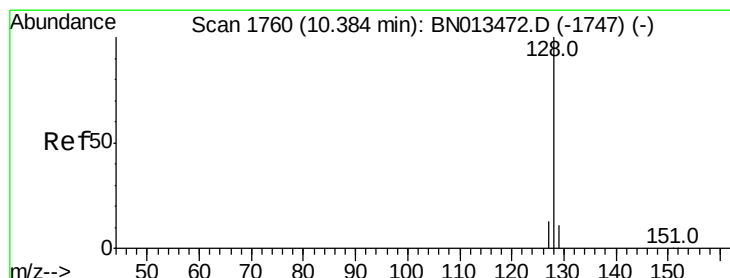
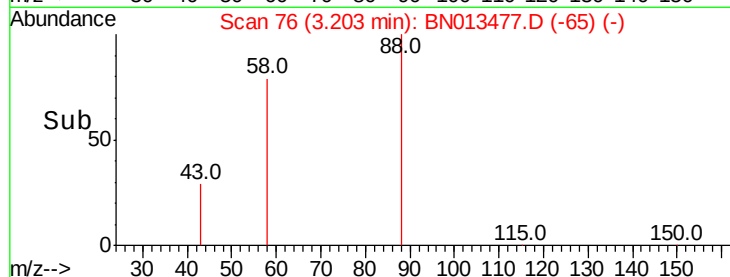
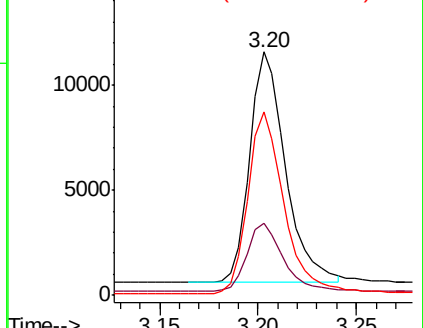
58 75.4 45.8 68.6#



Abundance Ion 88.00 (87.70 to 88.70): BN013472.D (-70) (-)

Ion 43.00 (42.70 to 43.70): BN013472.D (-70) (-)

Ion 58.00 (57.70 to 58.70): BN013472.D (-70) (-)



#5

Naphthalene

Concen: 3.052 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

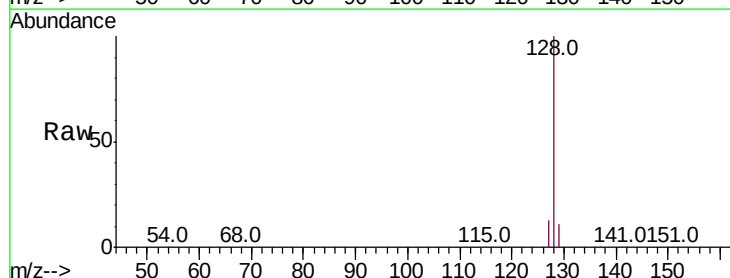
Tgt Ion: 128 Resp: 134691

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

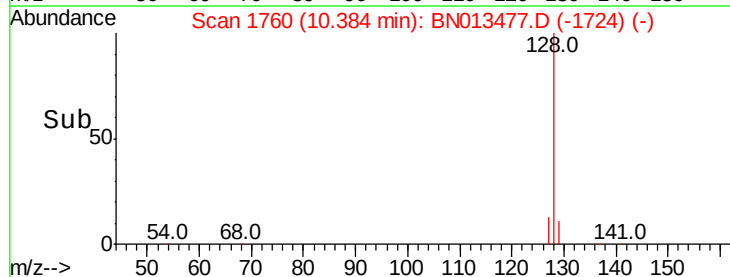
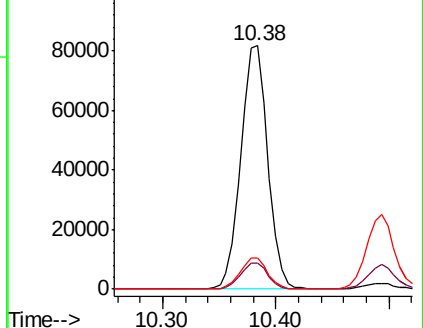
127 12.6 10.7 16.1

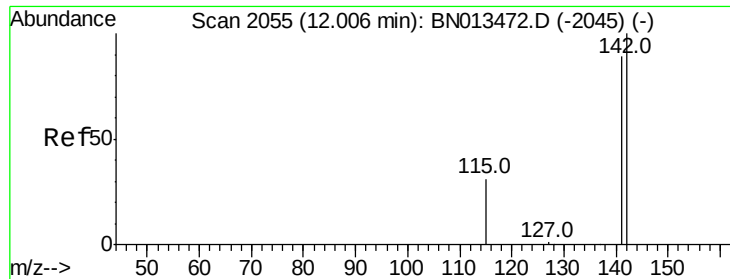


Abundance Ion 128.00 (127.70 to 128.70): BN013472.D (-1747) (-)

Ion 129.00 (128.70 to 129.70): BN013472.D (-1747) (-)

Ion 127.00 (126.70 to 127.70): BN013472.D (-1747) (-)





#7

2-Methylnaphthalene

Concen: 3.229 ng/ul

RT: 12.00 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

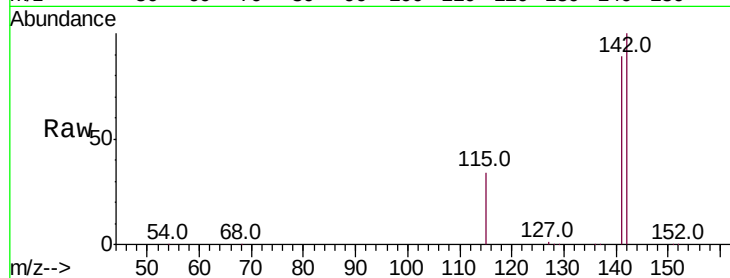
SSTD3.2003

Tot Ion:142 Resp: 92356

Ion Ratio Lower Upper

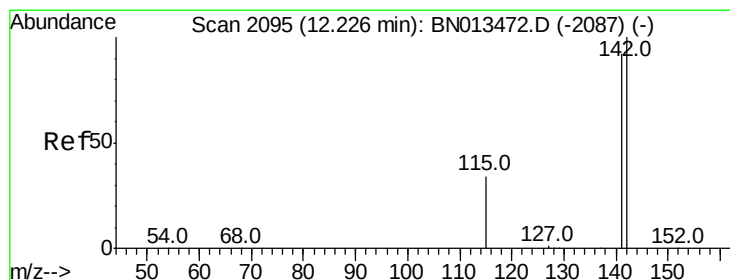
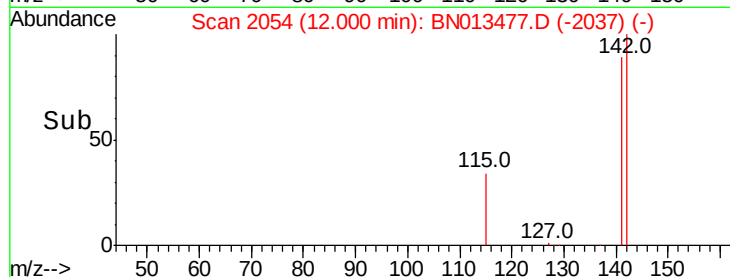
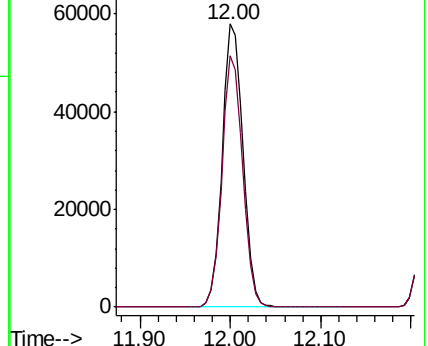
142 100

141 88.3 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 3.194 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN013477.D

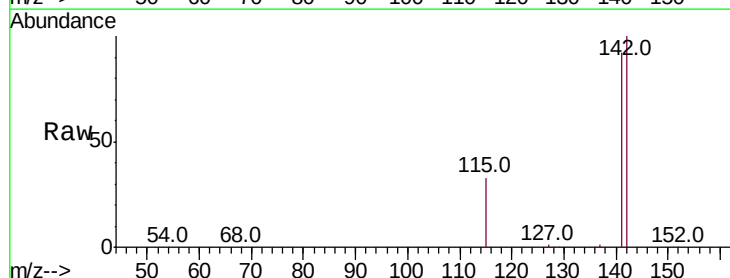
Acq: 25 Jan 2021 20:43

Tgt Ion:142 Resp: 87919

Ion Ratio Lower Upper

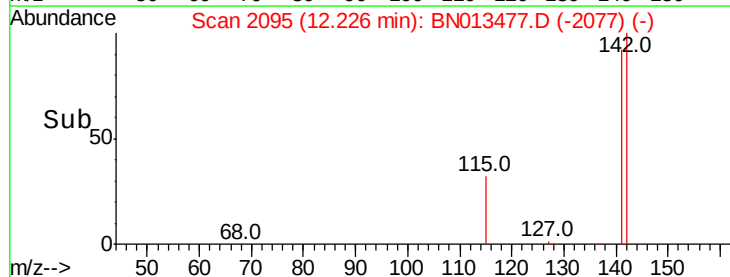
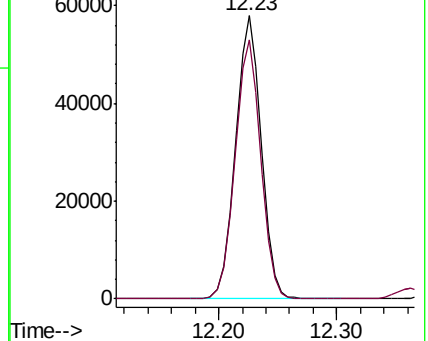
142 100

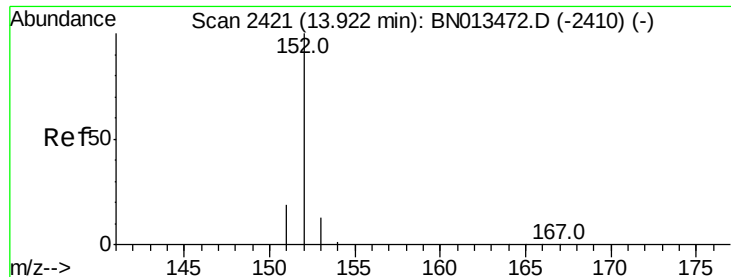
141 91.8 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 3.337 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

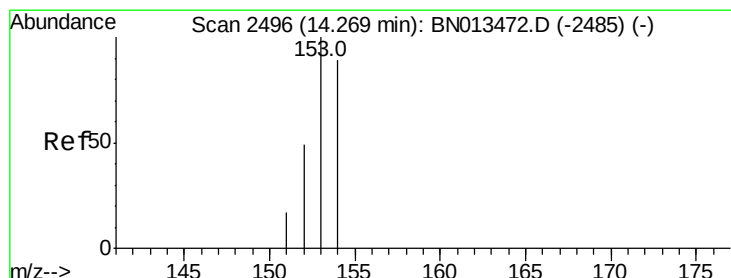
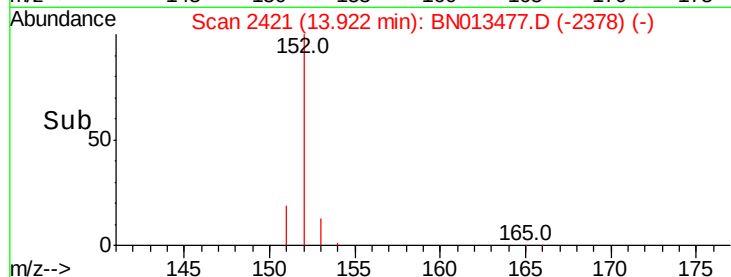
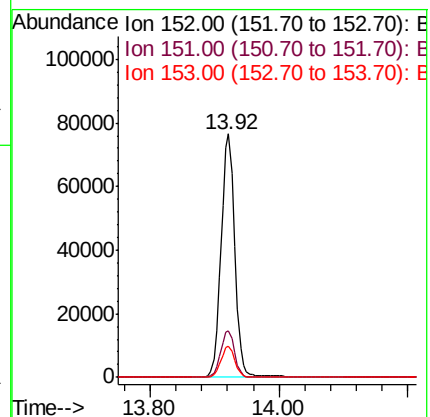
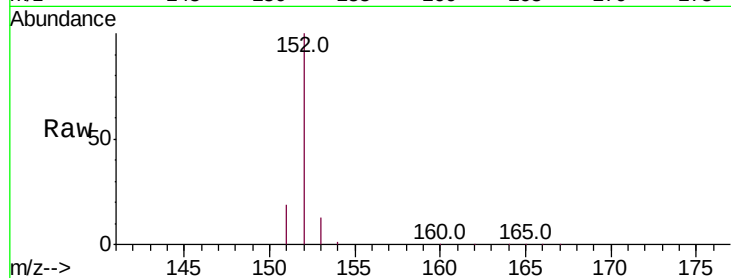
Tot Ion:152 Resp: 113120

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

153 12.9 10.7 16.1



#11

Acenaphthene

Concen: 3.124 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

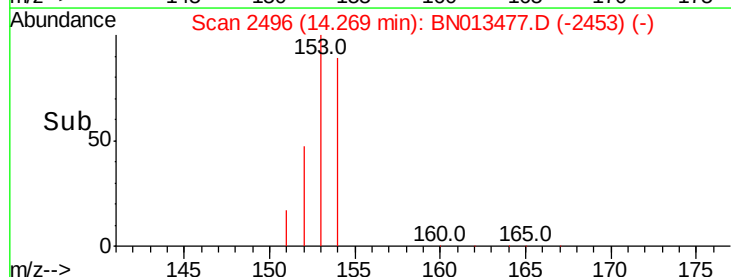
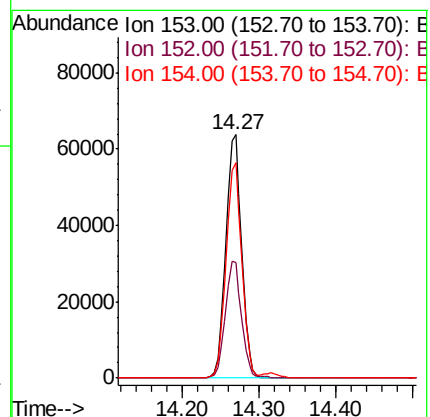
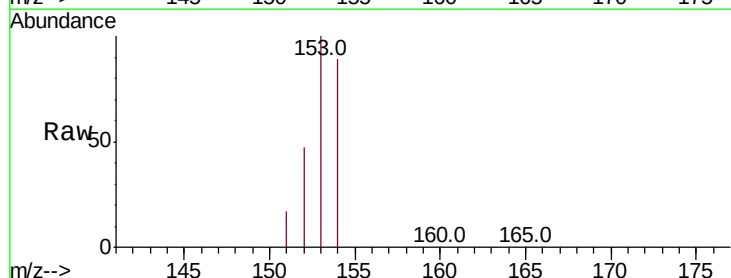
Tgt Ion:153 Resp: 90814

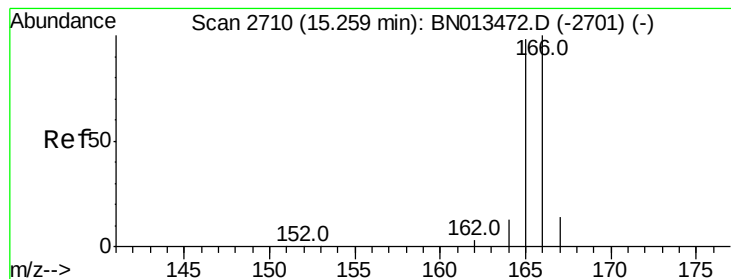
Ion Ratio Lower Upper

153 100

152 47.3 38.9 58.3

154 88.7 71.0 106.6





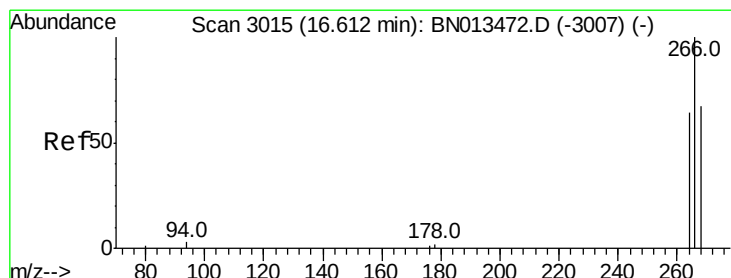
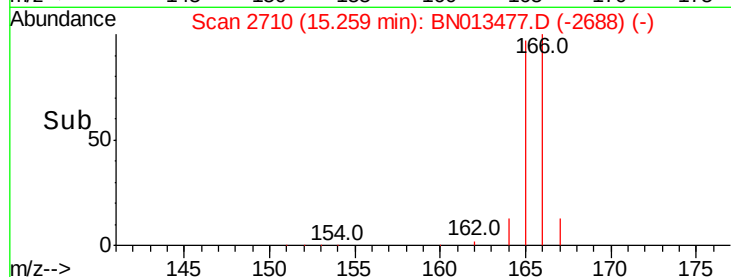
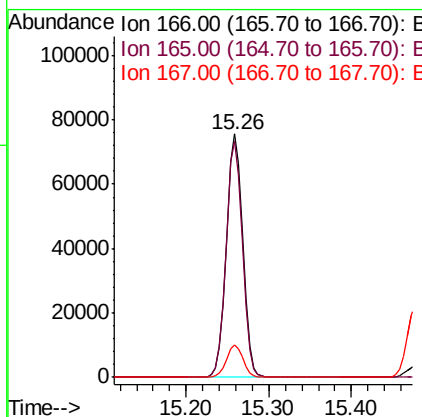
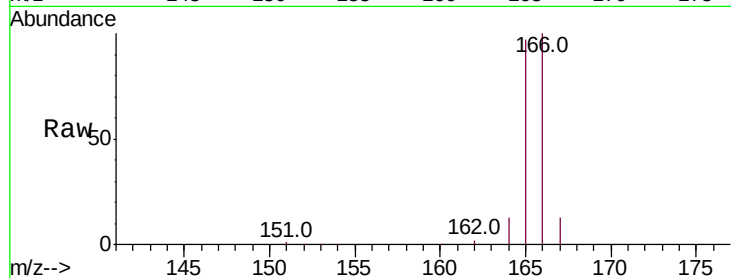
#12

Fluorene

Concen: 3.150 ng/ul
 RT: 15.26 min Scan# 2710
 Delta R.T. -0.00 min
 Lab File: BN013477.D
 Acq: 25 Jan 2021 20:43

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.2003

Tot Ion:166 Resp: 103571
 Ion Ratio Lower Upper
 166 100
 165 97.1 76.1 114.1
 167 13.4 11.0 16.6

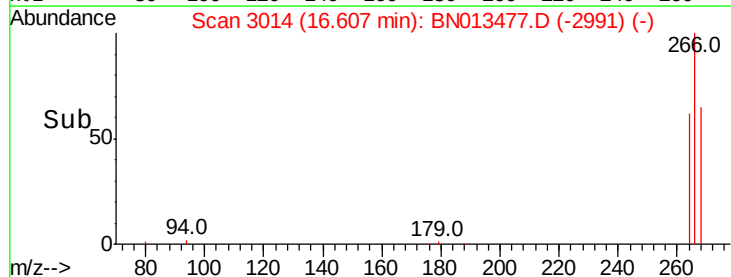
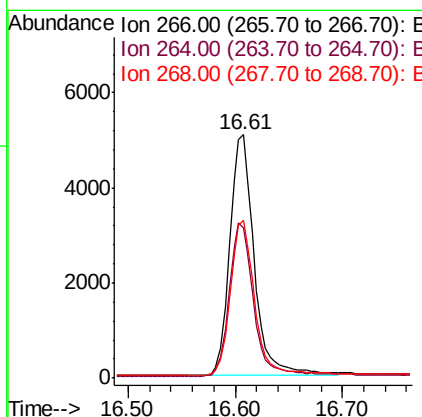
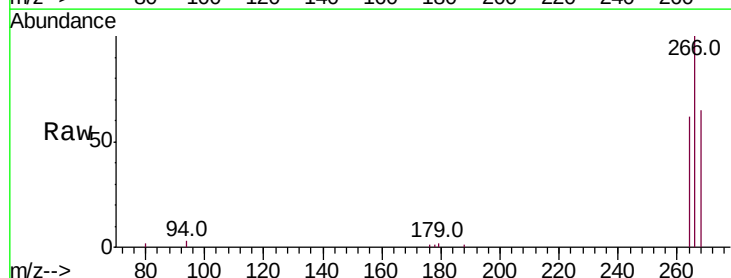


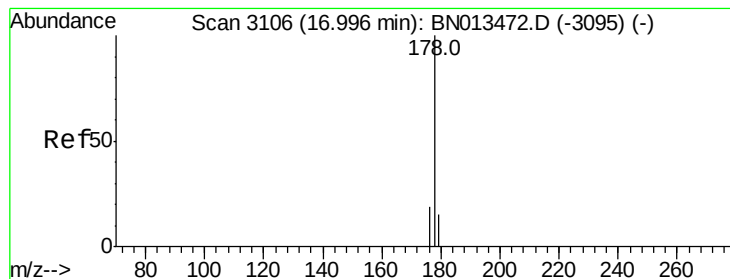
#14

Pentachlorophenol

Concen: 3.198 ng/ul
 RT: 16.61 min Scan# 3014
 Delta R.T. -0.00 min
 Lab File: BN013477.D
 Acq: 25 Jan 2021 20:43

Tgt Ion:266 Resp: 8108
 Ion Ratio Lower Upper
 266 100
 264 63.3 50.0 75.0
 268 63.9 52.6 79.0





#15

Phenanthrene

Concen: 3.174 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

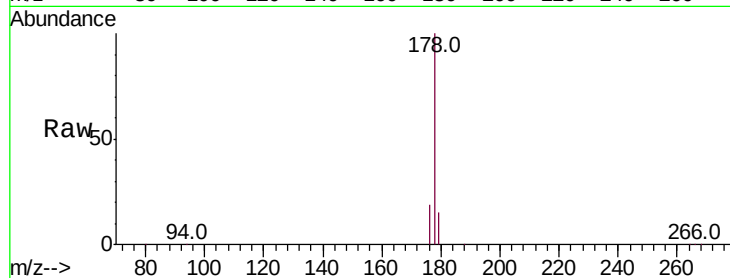
Tot Ion:178 Resp: 164780

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

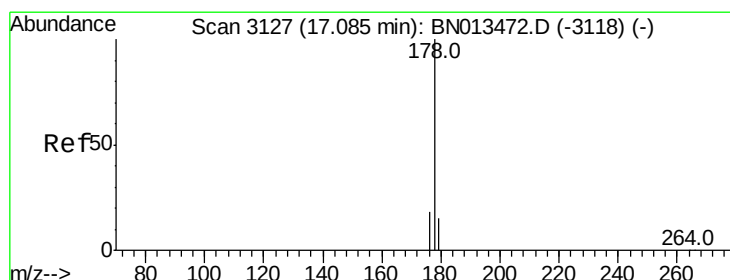
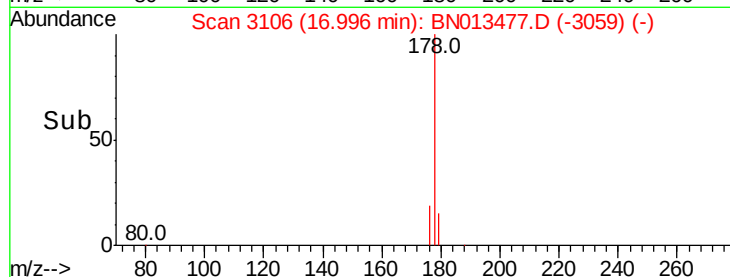
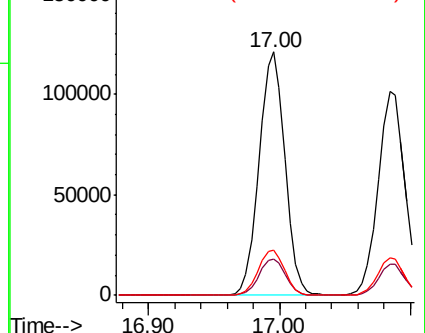
176 18.8 15.4 23.0



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: 3.391 ng/ul

RT: 17.08 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

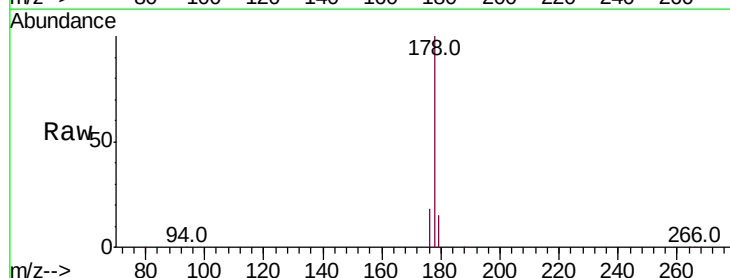
Tgt Ion:178 Resp: 146710

Ion Ratio Lower Upper

178 100

179 15.1 12.6 18.8

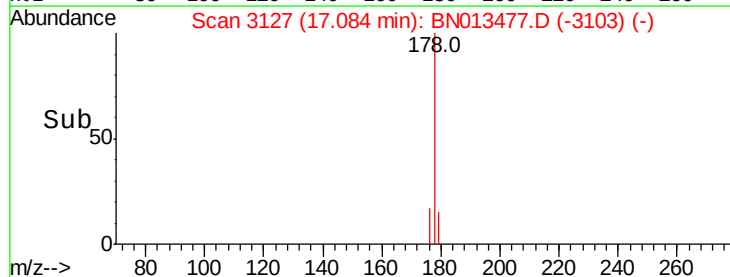
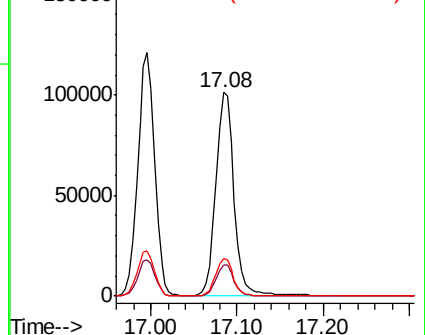
176 18.3 14.4 21.6

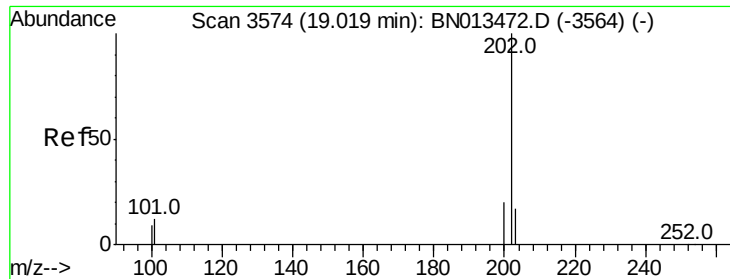


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 3.250 ng/ul

RT: 19.02 min Scan# 3574

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

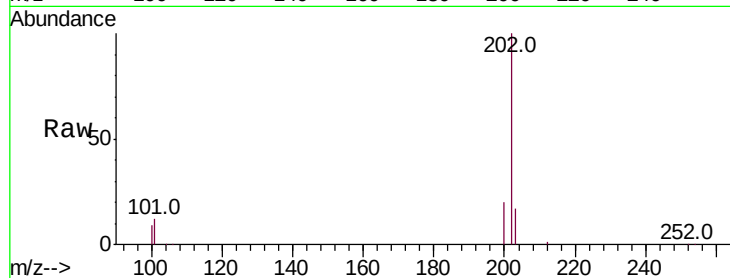
Tot Ion:202 Resp: 187851

Ion Ratio Lower Upper

202 100

101 11.6 8.9 13.3

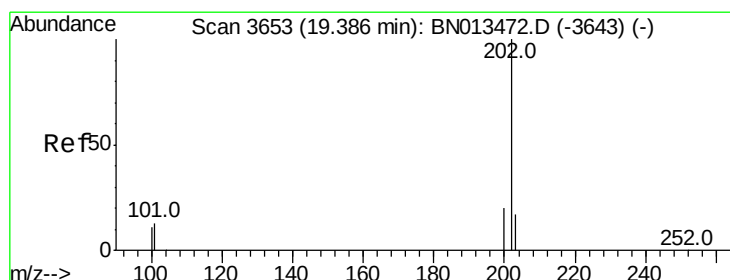
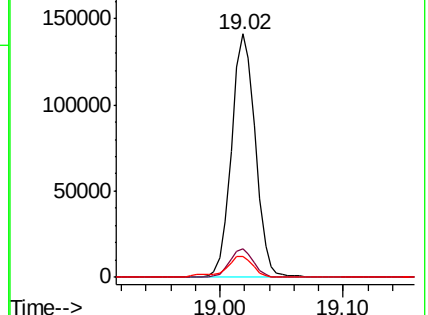
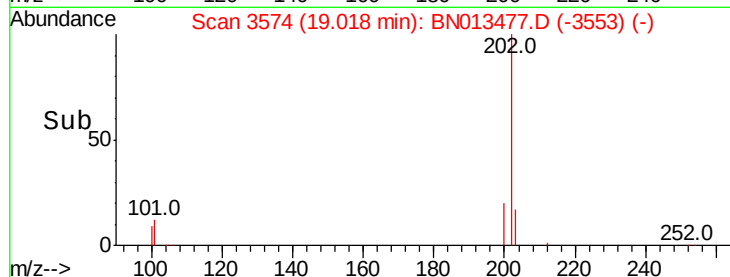
100 8.7 6.6 10.0



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: 3.076 ng/ul

RT: 19.39 min Scan# 3653

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

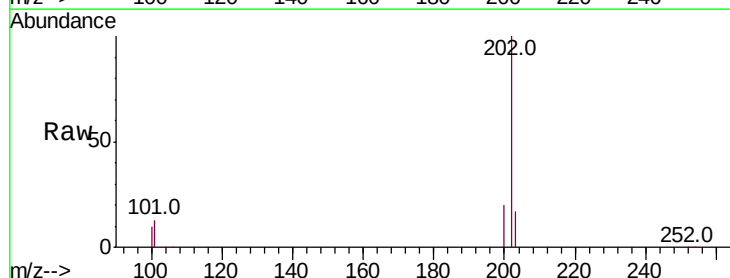
Tgt Ion:202 Resp: 182394

Ion Ratio Lower Upper

202 100

101 12.8 10.3 15.5

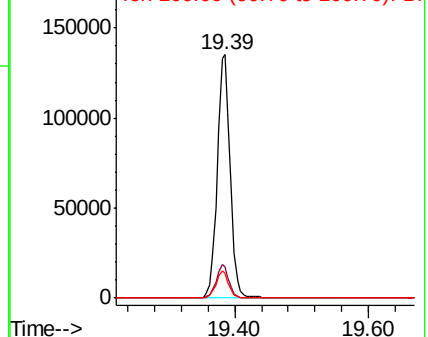
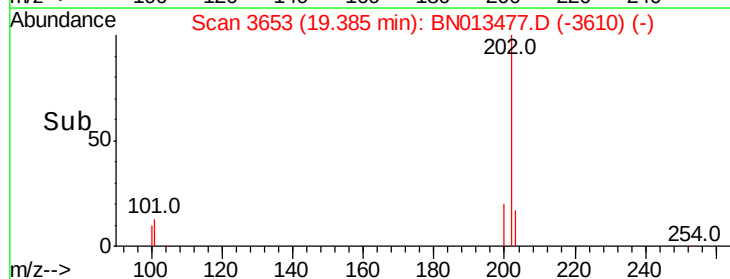
100 10.1 8.6 13.0

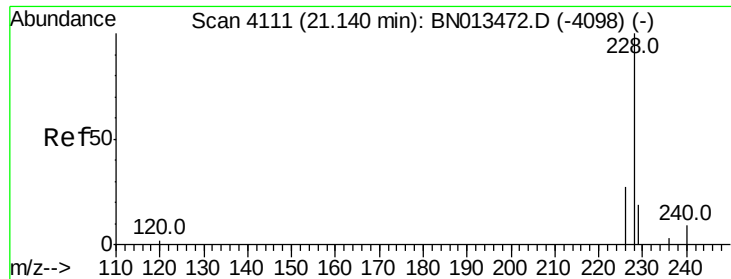


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 3.041 ng/ul

RT: 21.14 min Scan# 4111

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

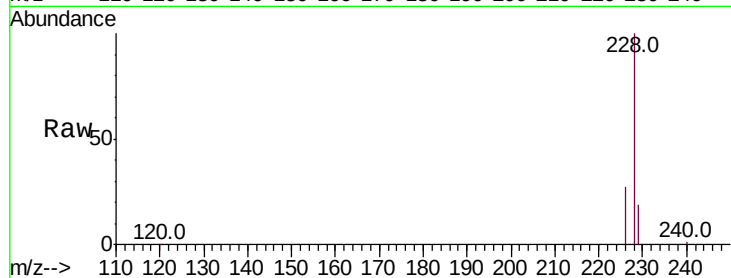
Tot Ion:228 Resp: 165496

Ion Ratio Lower Upper

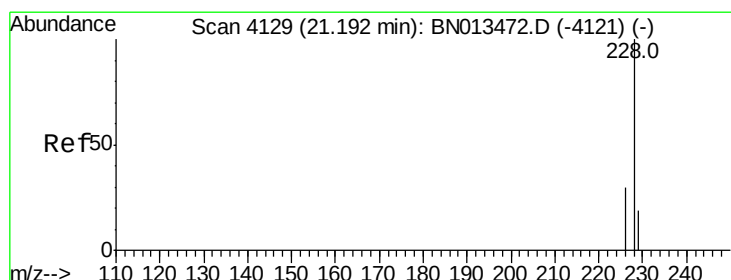
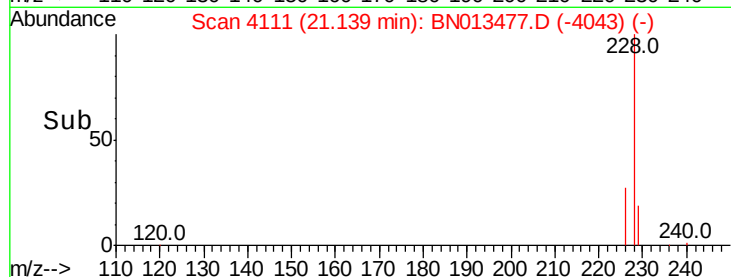
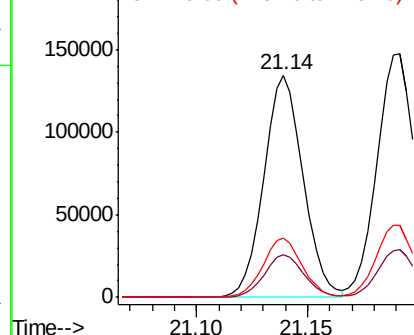
228 100

229 19.3 15.5 23.3

226 26.8 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: 3.164 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

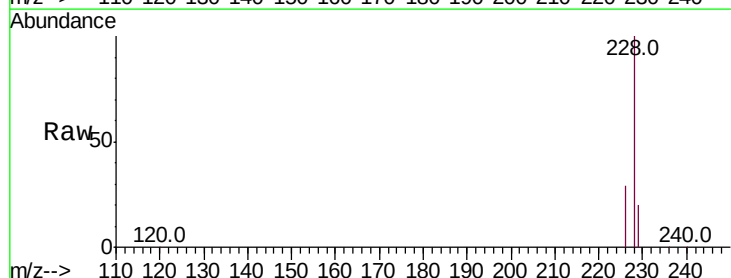
Tgt Ion:228 Resp: 181804

Ion Ratio Lower Upper

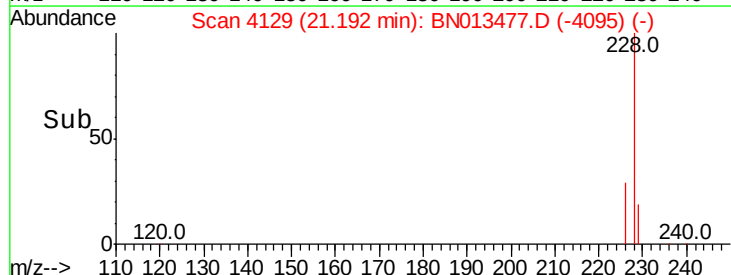
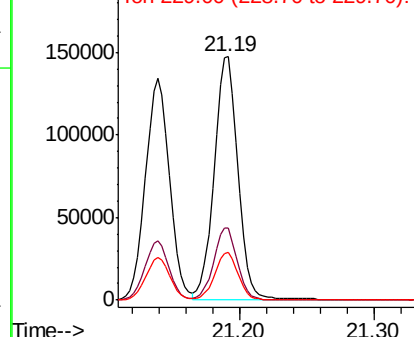
228 100

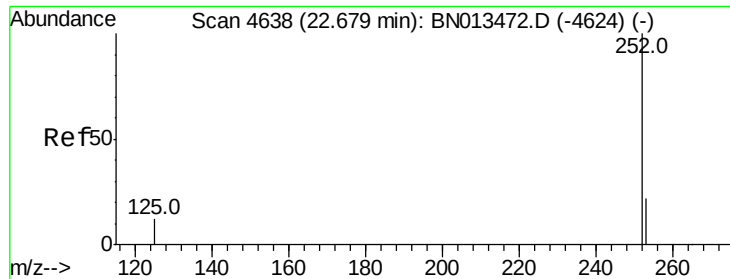
226 29.4 23.8 35.6

229 19.5 15.8 23.8



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: 3.704 ng/ul

RT: 22.68 min Scan# 4638

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

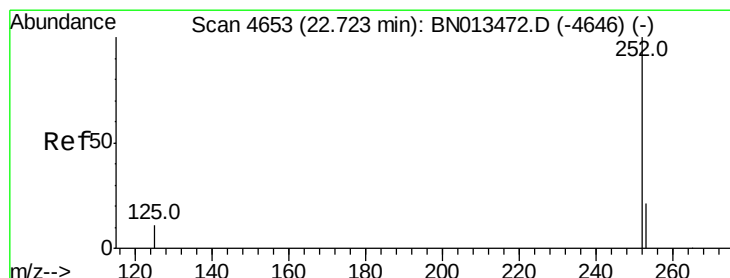
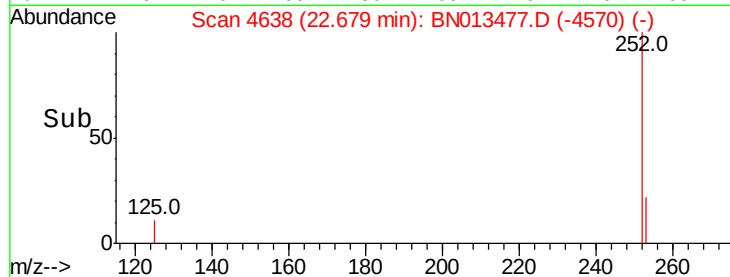
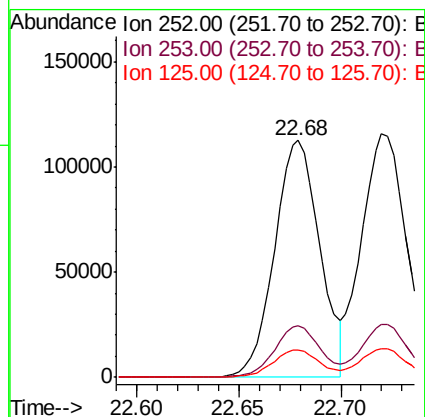
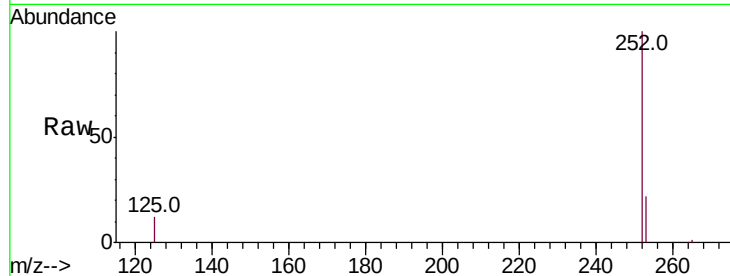
Tot Ion:252 Resp: 173783

Ion Ratio Lower Upper

252 100

253 22.0 0.0 46.6

125 11.6 0.0 27.2



#25

Benzo(k)fluoranthene

Concen: 3.544 ng/ul

RT: 22.72 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

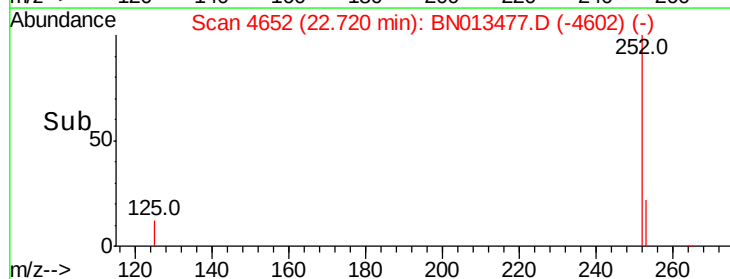
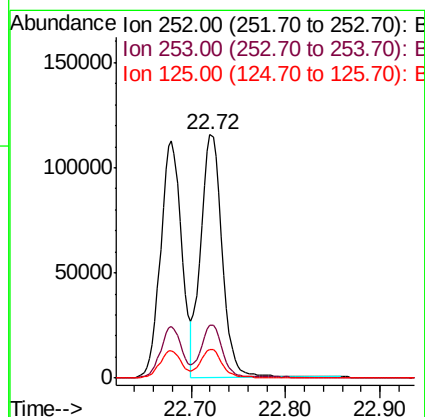
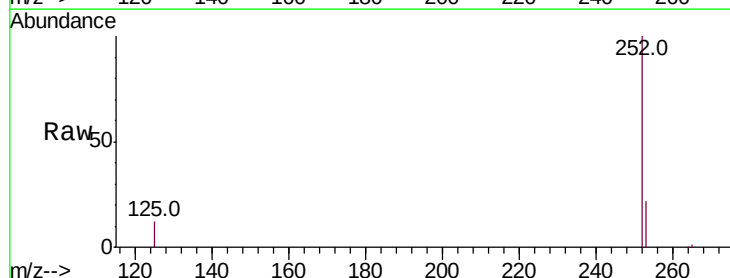
Tgt Ion:252 Resp: 182383

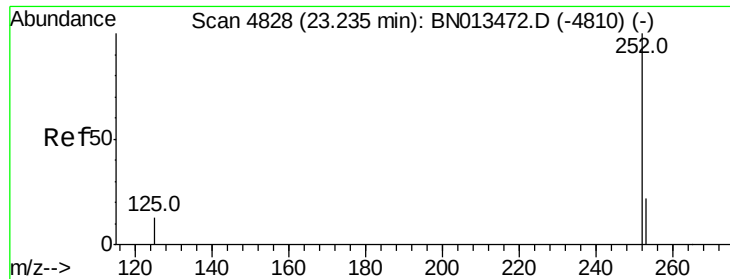
Ion Ratio Lower Upper

252 100

253 21.8 19.0 28.4

125 11.9 11.3 16.9





#26

Benzo(a)pyrene

Concen: 3.440 ng/ul

RT: 23.23 min Scan# 4827

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

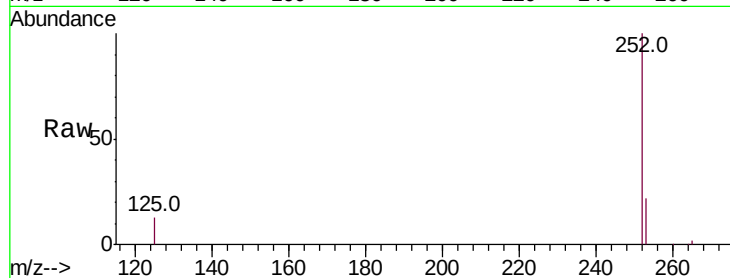
Tot Ion:252 Resp: 141313

Ion Ratio Lower Upper

252 100

253 21.7 19.8 29.8

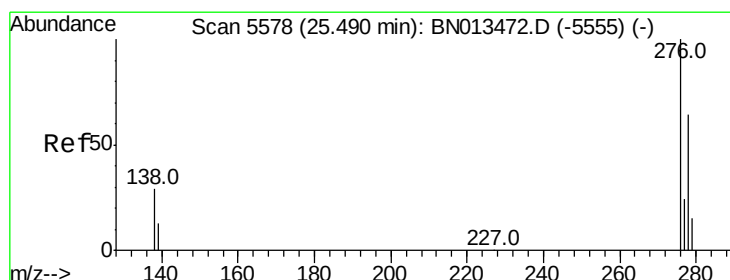
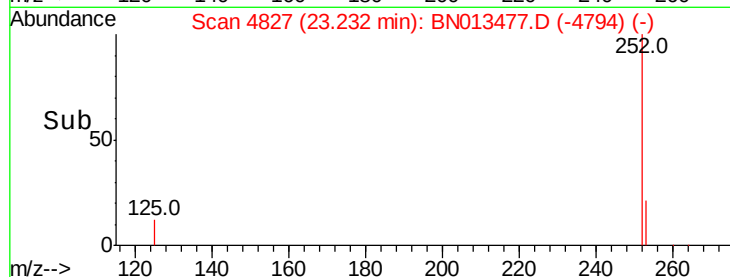
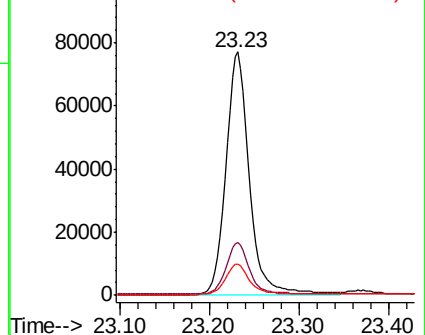
125 12.8 13.1 19.7#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.676 ng/ul

RT: 25.48 min Scan# 5576

Delta R.T. -0.01 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

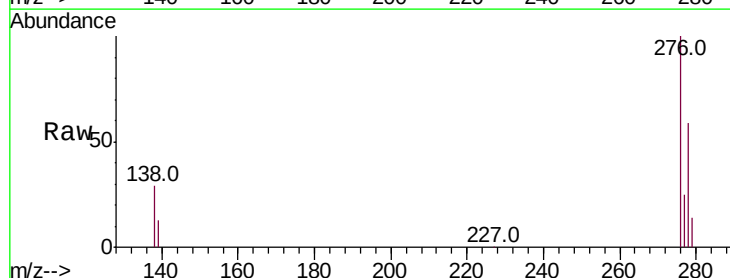
Tgt Ion:276 Resp: 199471

Ion Ratio Lower Upper

276 100

138 29.9 17.2 25.8#

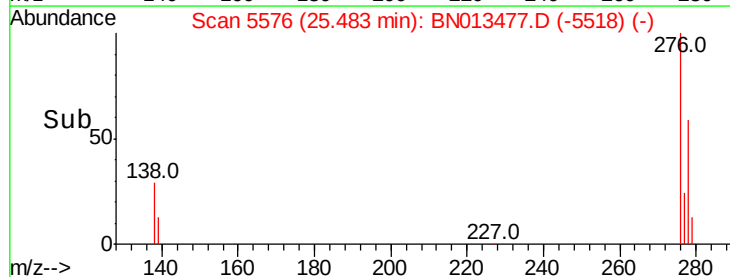
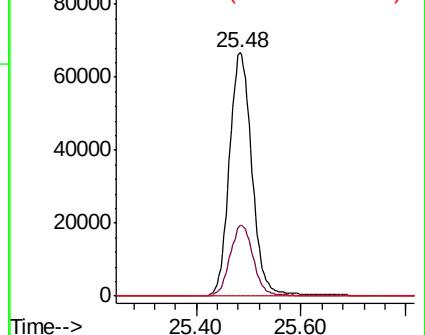
227 0.2 0.0 0.0#

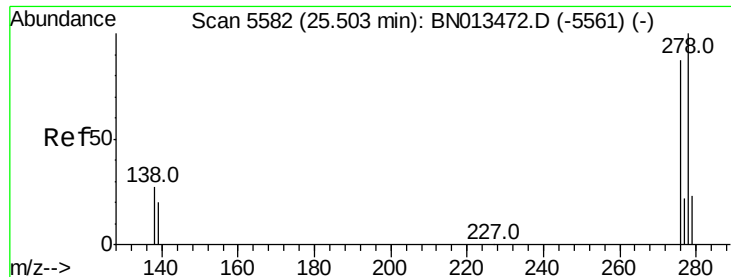


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.734 ng/ul

RT: 25.50 min Scan# 5581

Delta R.T. -0.00 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

Instrument :

BNA_N

ClientSampleId :

SSTD3.2003

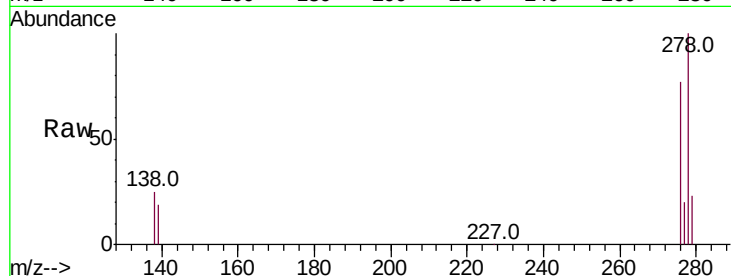
Tot Ion:278 Resp: 164305

Ion Ratio Lower Upper

278 100

139 19.0 16.2 24.2

279 23.1 20.3 30.5

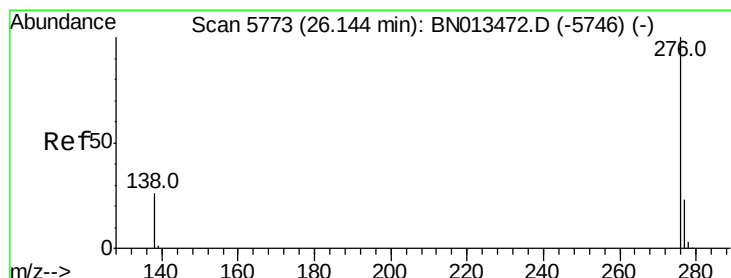
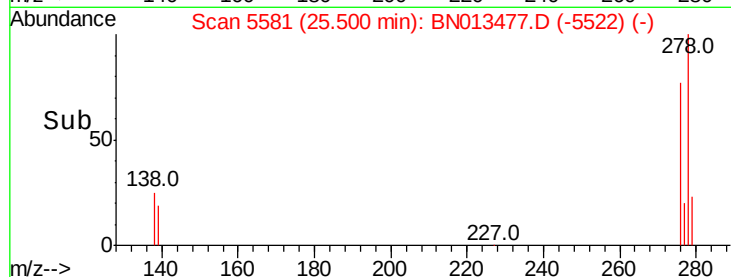
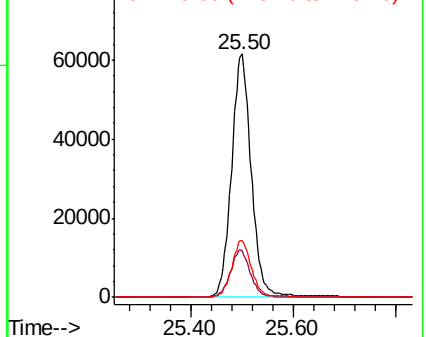


Abundance

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: 3.662 ng/ul

RT: 26.14 min Scan# 5771

Delta R.T. -0.01 min

Lab File: BN013477.D

Acq: 25 Jan 2021 20:43

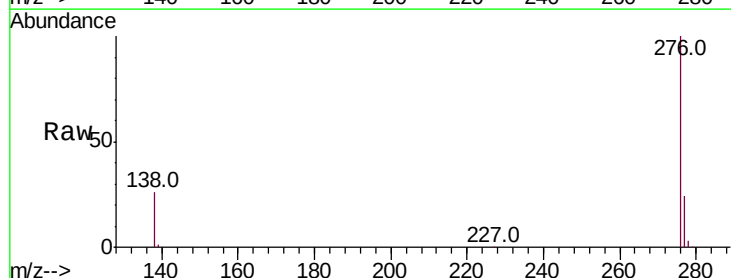
Tgt Ion:276 Resp: 168086

Ion Ratio Lower Upper

276 100

138 25.7 20.2 30.2

277 23.6 19.7 29.5



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

