

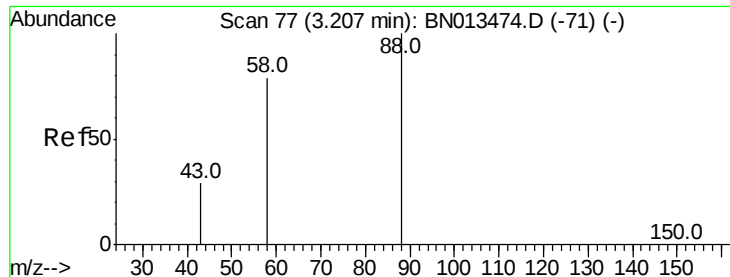
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012521\
 Data File : BN013478.D
 Acq On : 25 Jan 2021 21:18
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV003

Quant Time: Jan 25 22:51:03 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 22:48:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4852	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	17422	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	8565	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	17783	0.40	ng/ul	0.00
17) Chrysene-d12	21.15	240	14892	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	13116	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	1953	0.40	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	9679	0.38	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	17452	0.39	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	1974	0.399	ng/ul	96
5) Naphthalene	10.38	128	19201	0.392	ng/ul	99
7) 2-Methylnaphthalene	12.00	142	12564	0.382	ng/ul	99
8) 1-Methylnaphthalene	12.23	142	11953	0.379	ng/ul	100
10) Acenaphthylene	13.92	152	13826	0.384	ng/ul	99
11) Acenaphthene	14.27	153	11932	0.386	ng/ul	99
12) Fluorene	15.26	166	13317	0.388	ng/ul	98
14) Pentachlorophenol	16.61	266	766	0.357	ng/ul	97
15) Phenanthrene	17.00	178	22134	0.387	ng/ul	100
16) Anthracene	17.08	178	17765	0.382	ng/ul	99
19) Fluoranthene	19.02	202	23022	0.390	ng/ul	97
20) Pyrene	19.38	202	23078	0.390	ng/ul	98
21) Benzo(a)anthracene	21.14	228	17928	0.382	ng/ul	99
22) Chrysene	21.19	228	22691	0.390	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	21247	0.371	ng/ul	99
25) Benzo(k)fluoranthene	22.72	252	23113	0.387	ng/ul	100
26) Benzo(a)pyrene	23.23	252	16807	0.373	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.48	276	24583	0.388	ng/ul#	81
28) Dibenzo(a,h)anthracene	25.50	278	19815	0.385	ng/ul	99
29) Benzo(a,h,i)perylene	26.14	276	20957	0.375	ng/ul	99

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



#2

1,4-Dioxane

Concen: 0.399 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampled :

SICV003

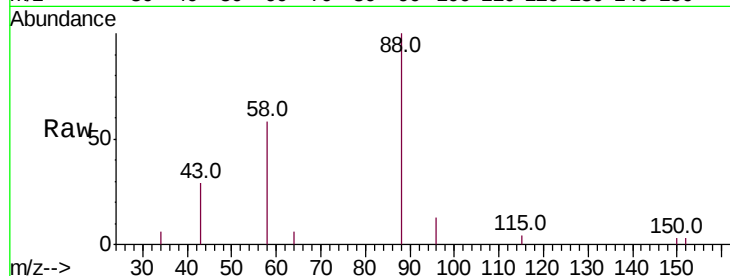
Tot Ion: 88 Resp: 1974

Ion Ratio Lower Upper

88 100

43 29.3 26.9 40.3

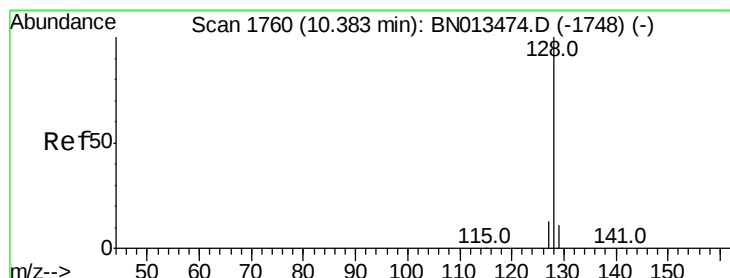
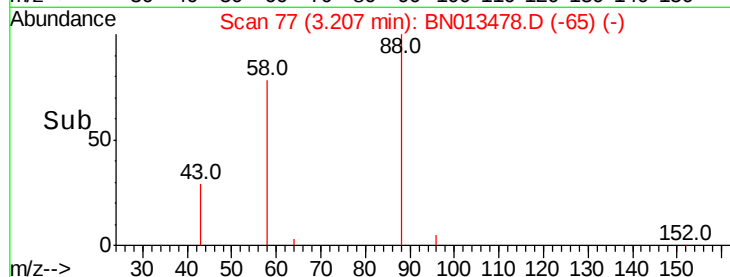
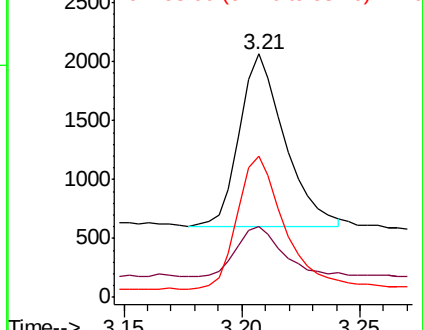
58 58.2 45.8 68.6



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



#5

Naphthalene

Concen: 0.392 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

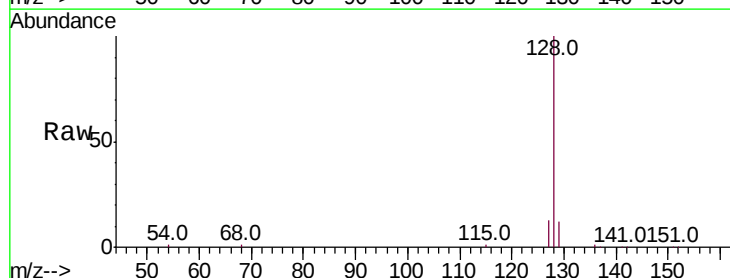
Tgt Ion: 128 Resp: 19201

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

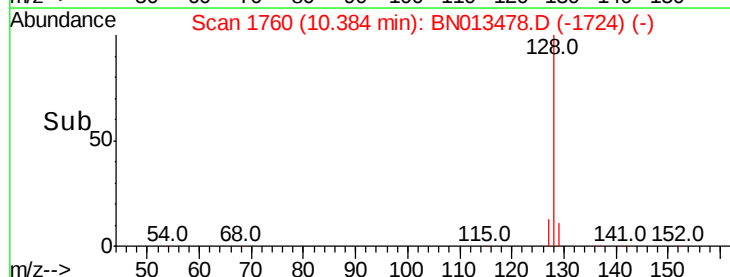
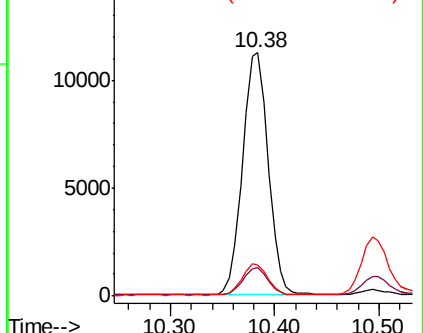
127 13.0 10.7 16.1

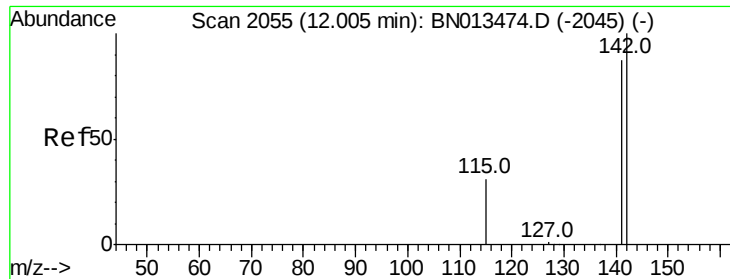


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.382 ng/ul

RT: 12.00 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

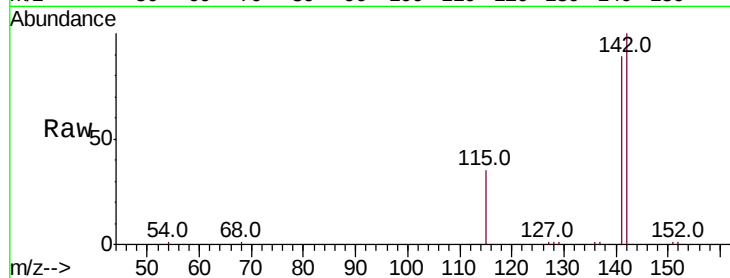
SICV003

Tot Ion:142 Resp: 12564

Ion Ratio Lower Upper

142 100

141 88.1 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

8000

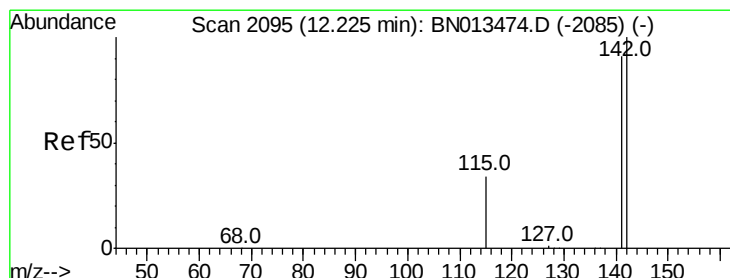
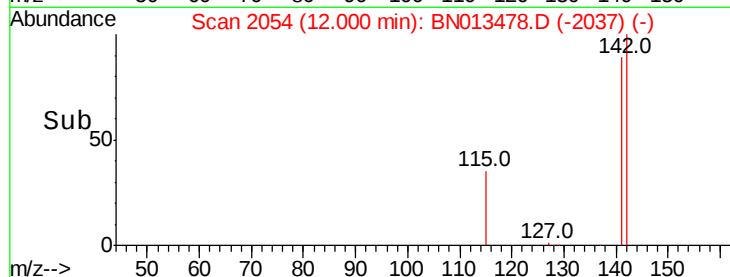
6000

4000

2000

0

Time--> 11.90 12.00 12.10



#8

1-Methylnaphthalene

Concen: 0.379 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN013478.D

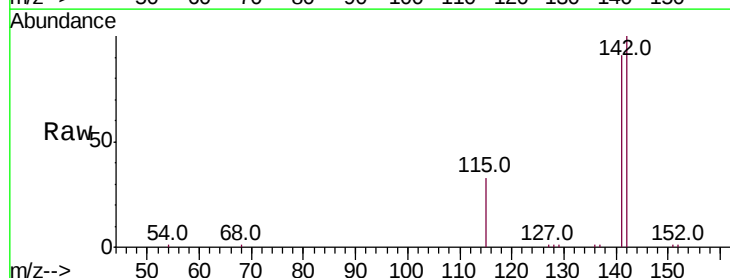
Acq: 25 Jan 2021 21:18

Tgt Ion:142 Resp: 11953

Ion Ratio Lower Upper

142 100

141 91.4 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

8000

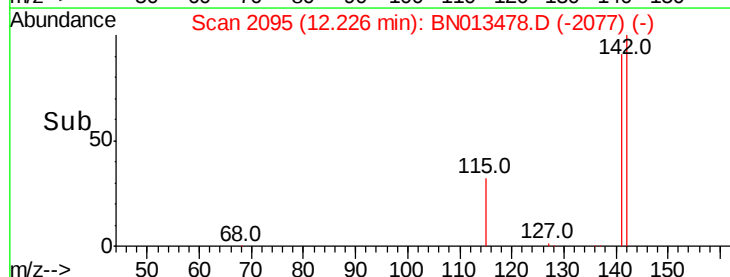
6000

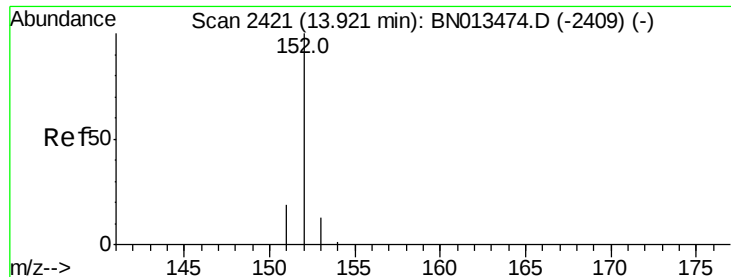
4000

2000

0

Time--> 12.20 12.30





#10

Acenaphthylene

Concen: 0.384 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

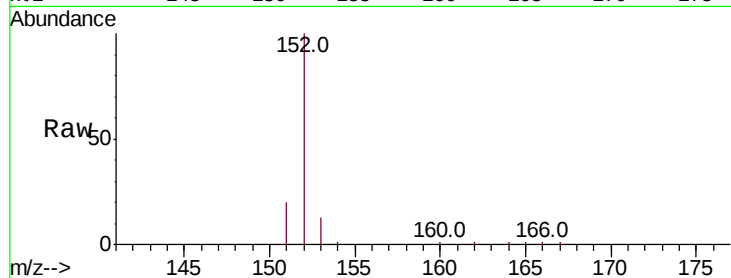
Tot Ion:152 Resp: 13826

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

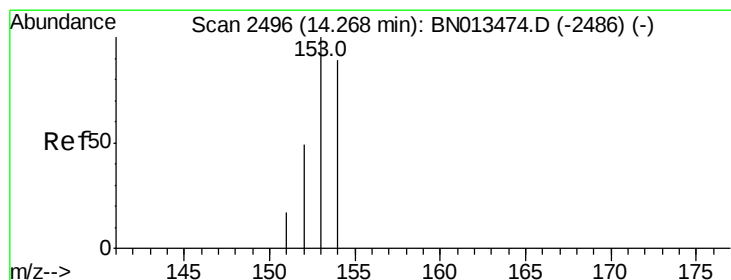
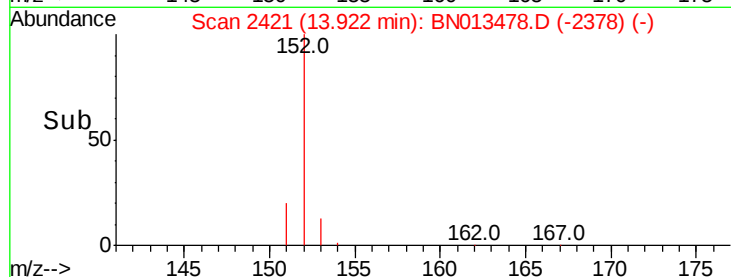
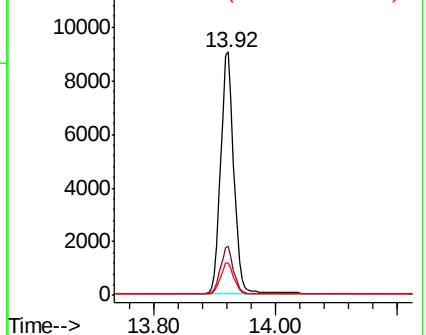
153 13.5 10.7 16.1



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



#11

Acenaphthene

Concen: 0.386 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

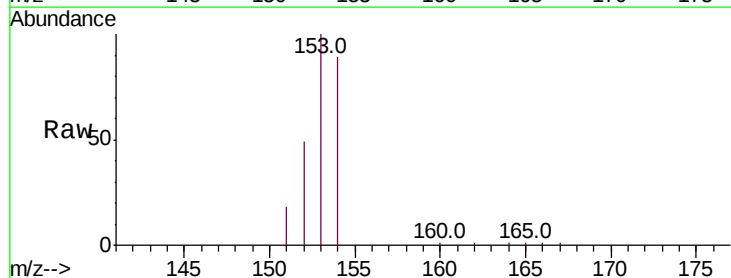
Tgt Ion:153 Resp: 11932

Ion Ratio Lower Upper

153 100

152 49.3 38.9 58.3

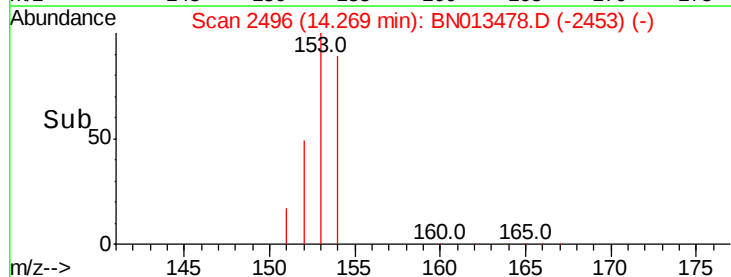
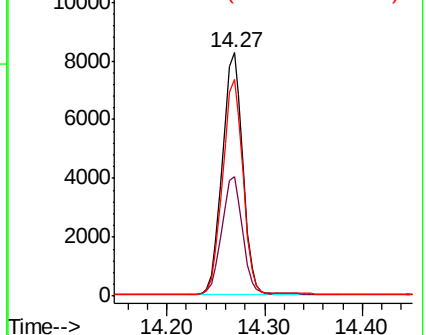
154 89.3 71.0 106.6

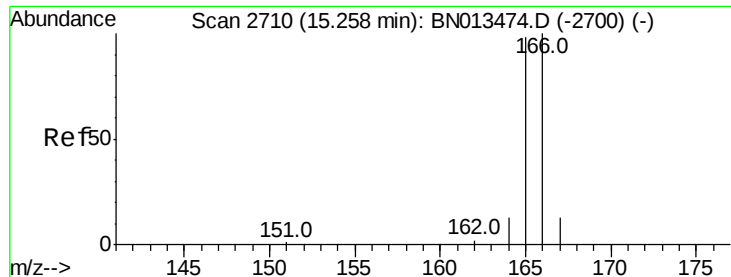


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.388 ng/ul

RT: 15.26 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

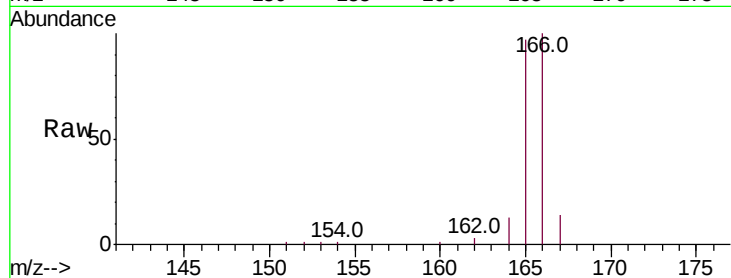
Tot Ion:166 Resp: 13317

Ion Ratio Lower Upper

166 100

165 96.9 76.1 114.1

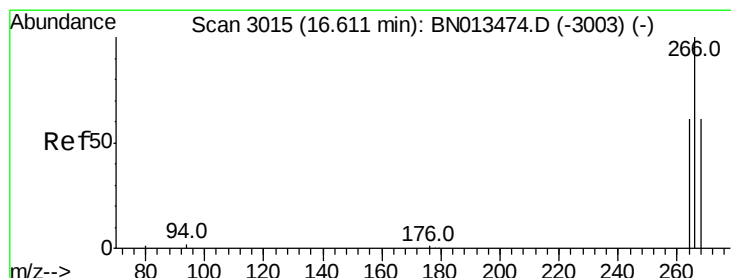
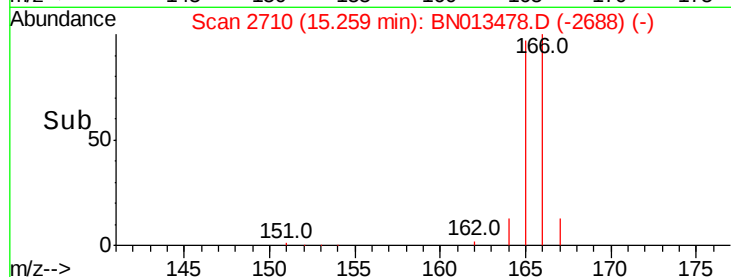
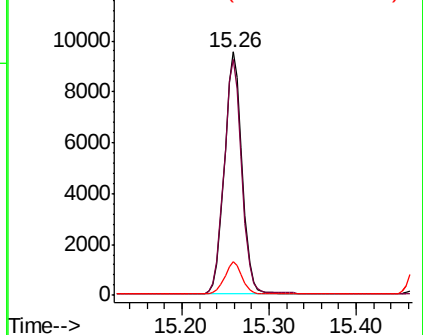
167 13.9 11.0 16.6



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



#14

Pentachlorophenol

Concen: 0.357 ng/ul

RT: 16.61 min Scan# 3014

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

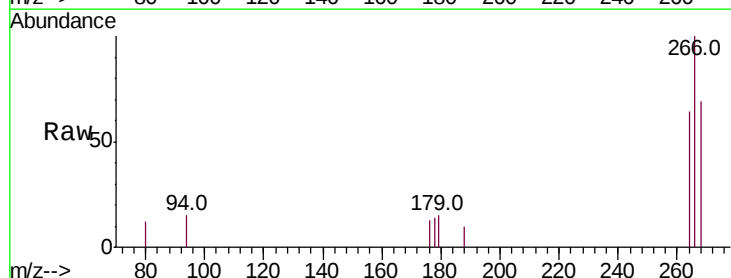
Tgt Ion:266 Resp: 766

Ion Ratio Lower Upper

266 100

264 63.3 50.0 75.0

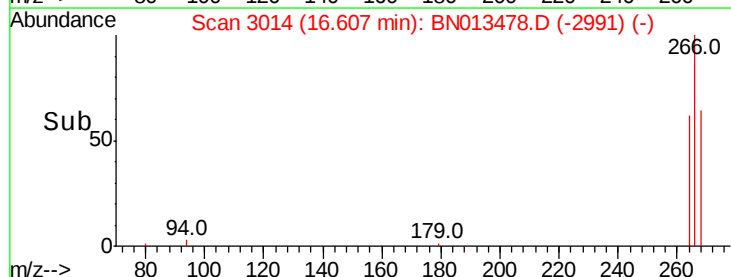
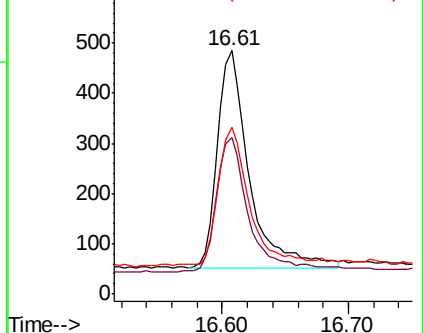
268 62.0 52.6 79.0

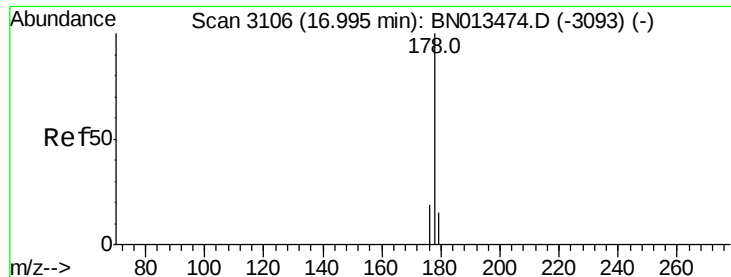


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.387 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

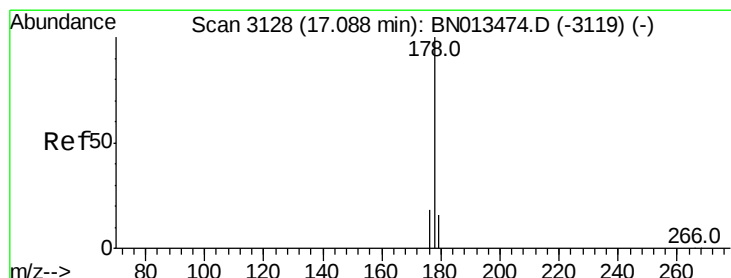
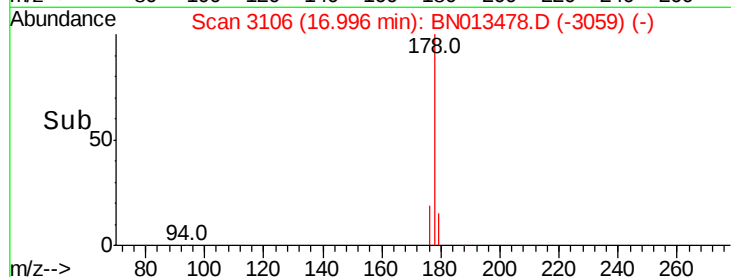
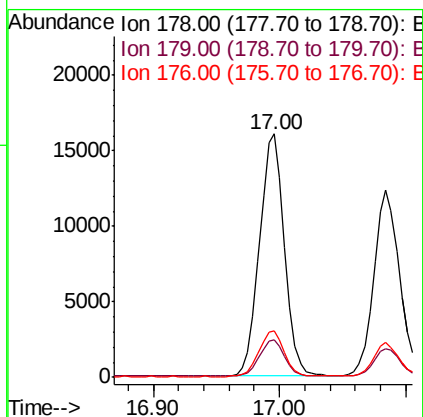
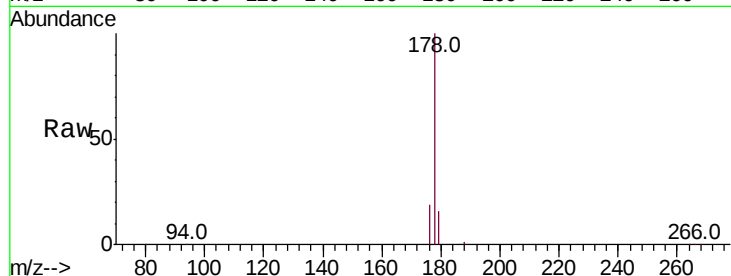
Tot Ion:178 Resp: 22134

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 19.1 15.4 23.0



#16

Anthracene

Concen: 0.382 ng/ul

RT: 17.08 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

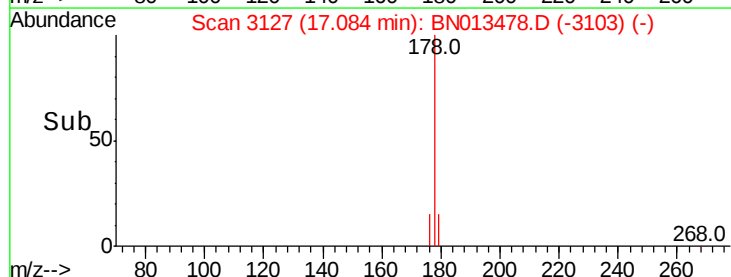
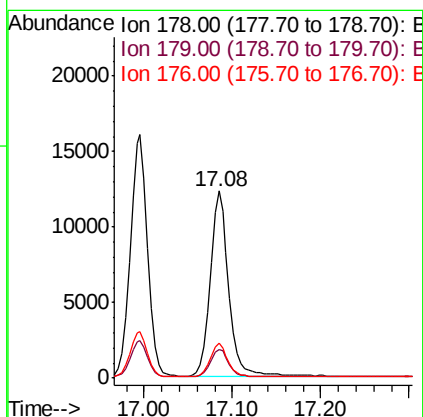
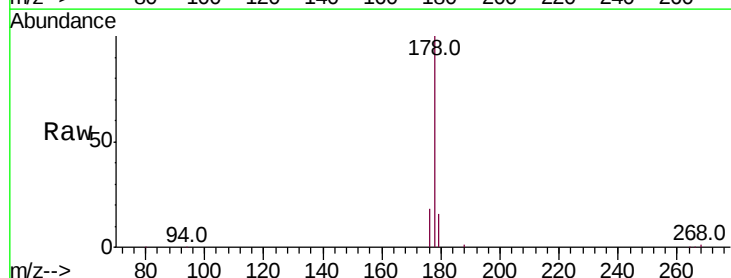
Tgt Ion:178 Resp: 17765

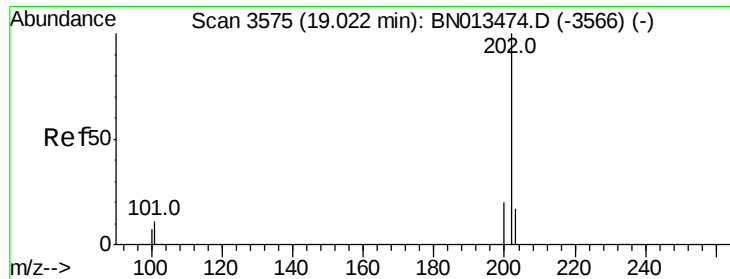
Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

176 18.4 14.4 21.6





#19

Fluoranthene

Concen: 0.390 ng/ul

RT: 19.02 min Scan# 3574

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

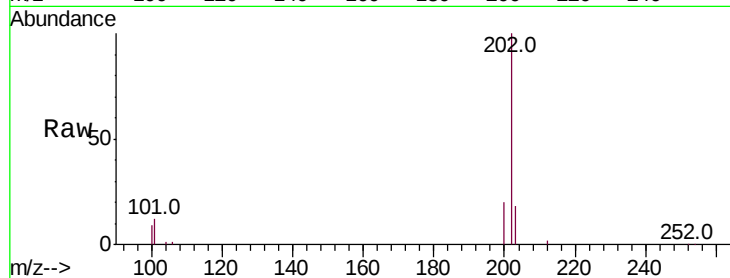
Tot Ion:202 Resp: 23022

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

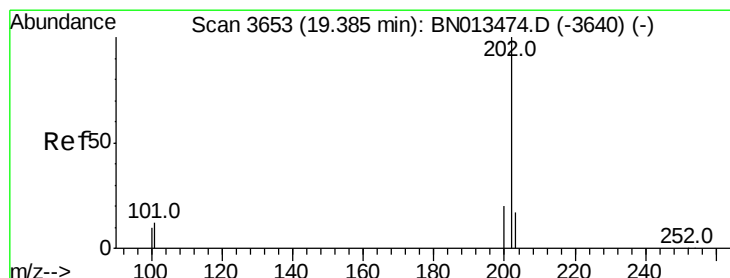
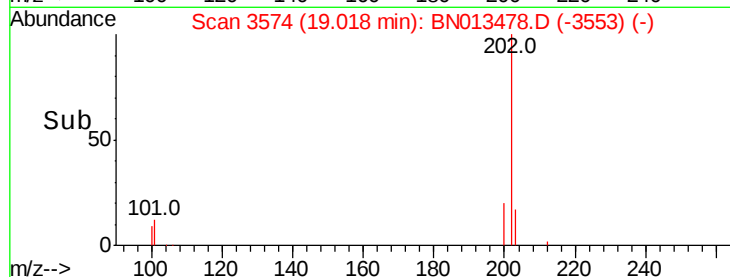
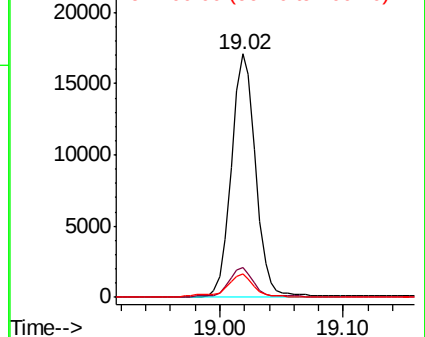
100 9.4 6.6 10.0



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: 0.390 ng/ul

RT: 19.38 min Scan# 3652

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

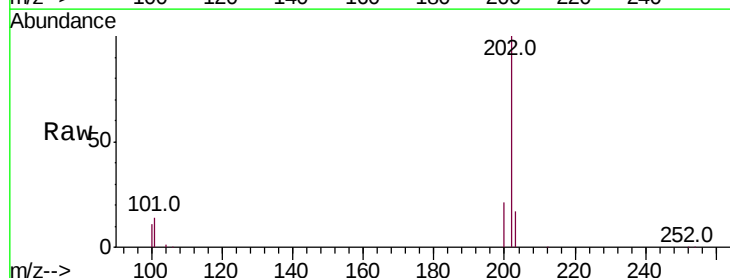
Tgt Ion:202 Resp: 23078

Ion Ratio Lower Upper

202 100

101 14.2 10.3 15.5

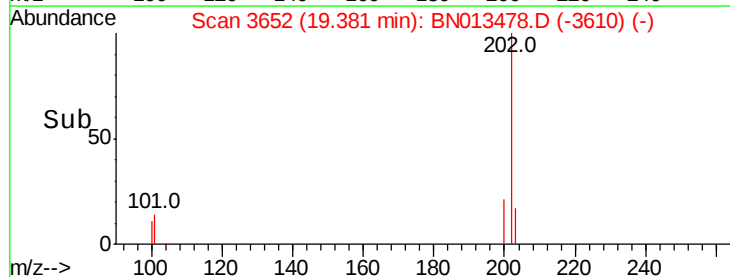
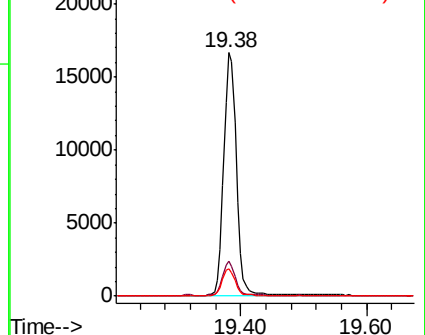
100 11.3 8.6 13.0

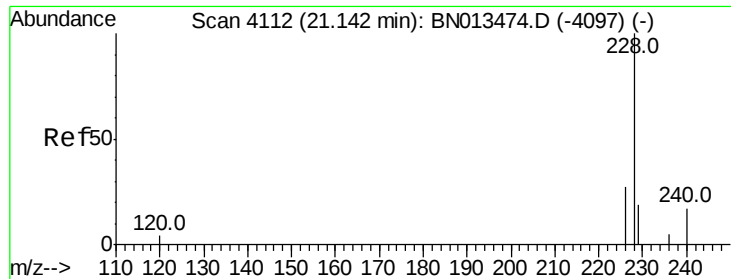


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.382 ng/ul

RT: 21.14 min Scan# 4111

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

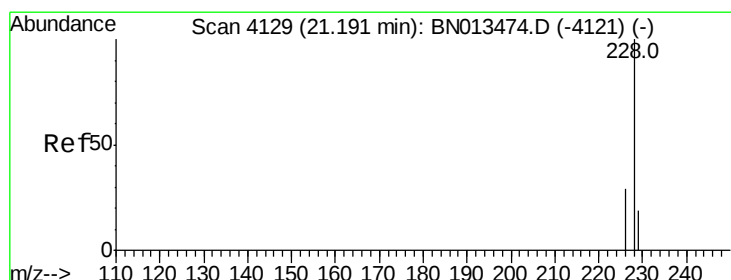
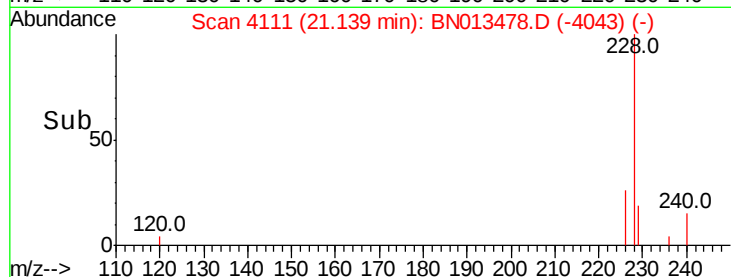
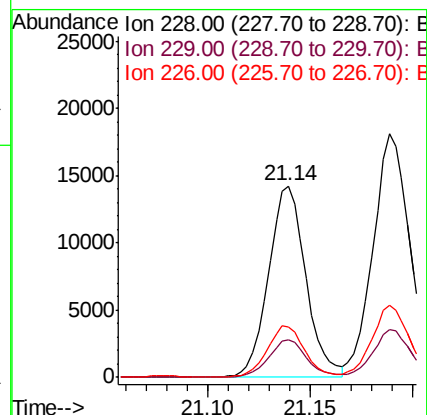
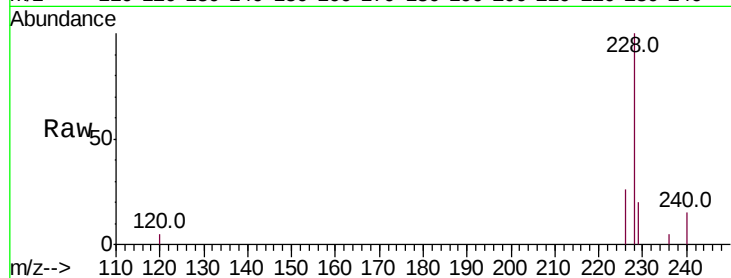
Tot Ion:228 Resp: 17928

Ion Ratio Lower Upper

228 100

229 19.6 15.5 23.3

226 26.3 21.6 32.4



#22

Chrysene

Concen: 0.390 ng/ul

RT: 21.19 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

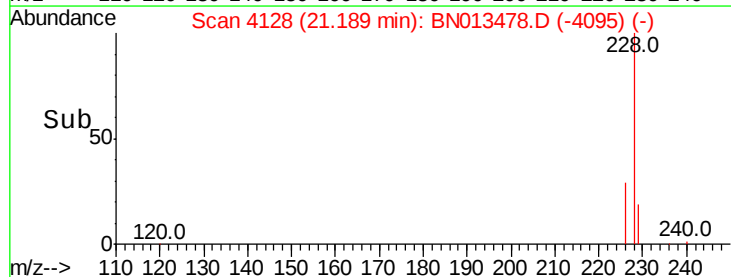
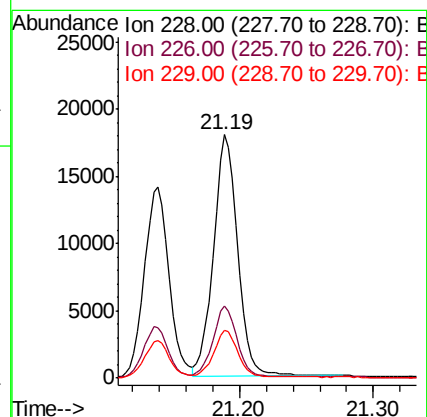
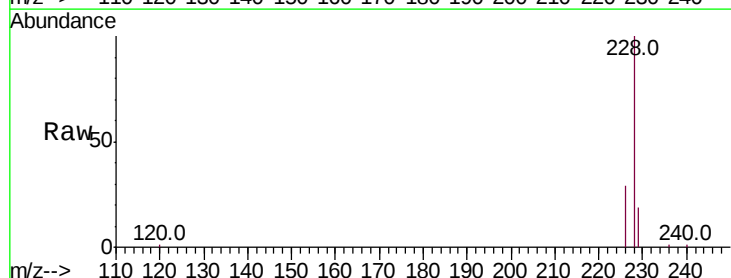
Tgt Ion:228 Resp: 22691

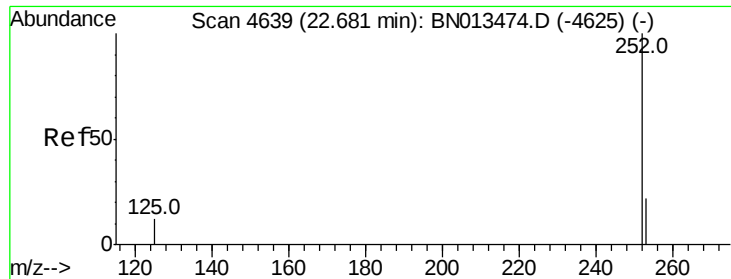
Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.6

229 19.4 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.371 ng/ul

RT: 22.68 min Scan# 4638

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

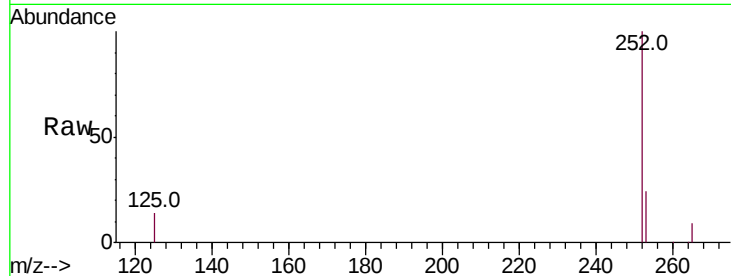
Tot Ion:252 Resp: 21247

Ion Ratio Lower Upper

252 100

253 24.2 0.0 46.6

125 13.9 0.0 27.2

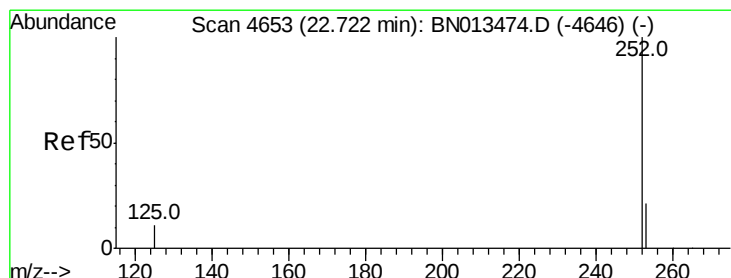
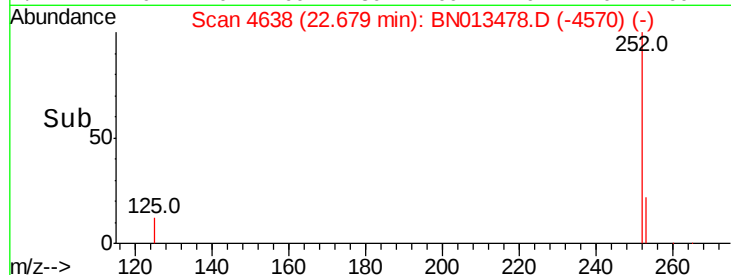
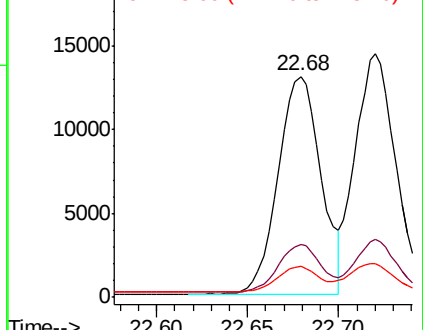


Abundance

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



#25

Benzo(k)fluoranthene

Concen: 0.387 ng/ul

RT: 22.72 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

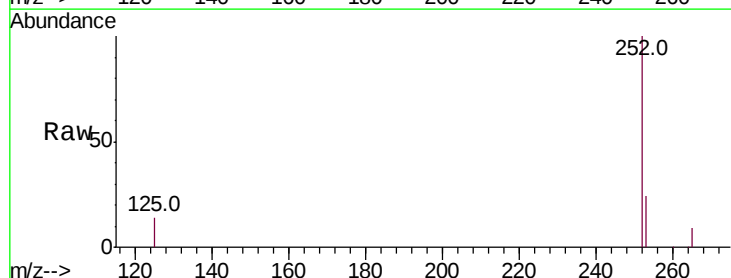
Tgt Ion:252 Resp: 23113

Ion Ratio Lower Upper

252 100

253 23.8 19.0 28.4

125 13.8 11.3 16.9

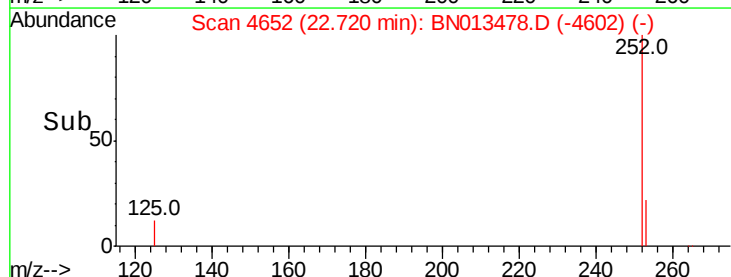
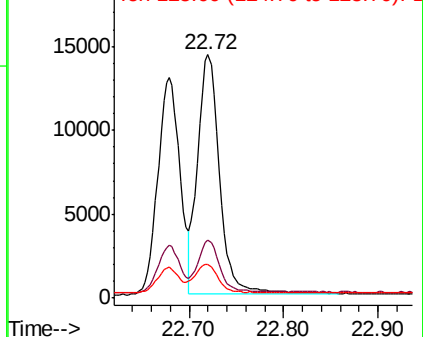


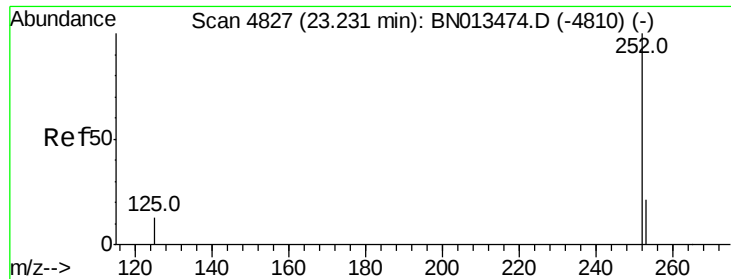
Abundance

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





#26

Benzo(a)pyrene

Concen: 0.373 ng/ul

RT: 23.23 min Scan# 4826

Delta R.T. -0.01 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

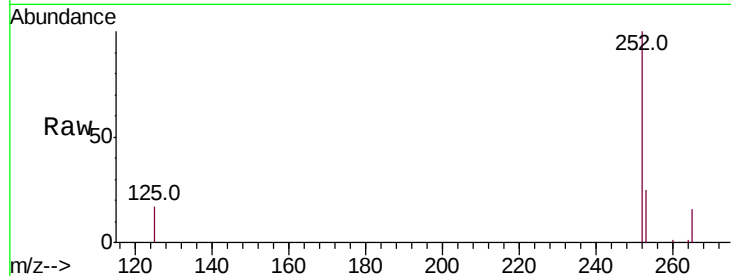
Tot Ion:252 Resp: 16807

Ion Ratio Lower Upper

252 100

253 25.1 19.8 29.8

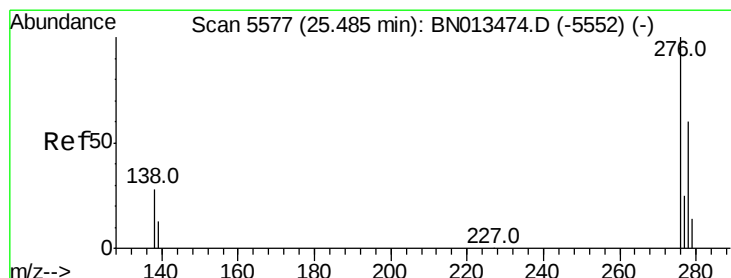
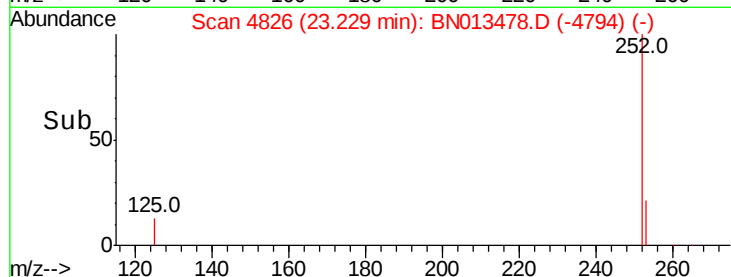
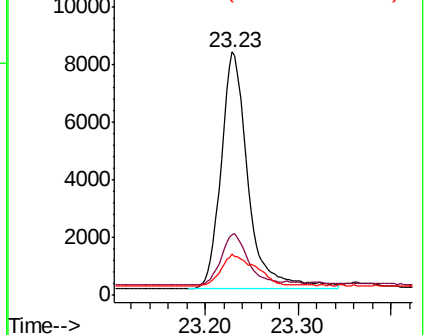
125 16.9 13.1 19.7



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: 0.388 ng/ul

RT: 25.48 min Scan# 5576

Delta R.T. -0.01 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

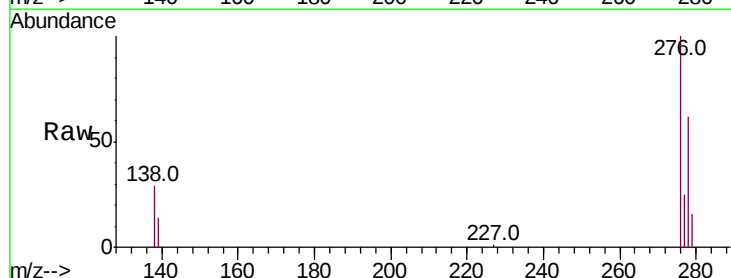
Tgt Ion:276 Resp: 24583

Ion Ratio Lower Upper

276 100

138 30.4 17.2 25.8#

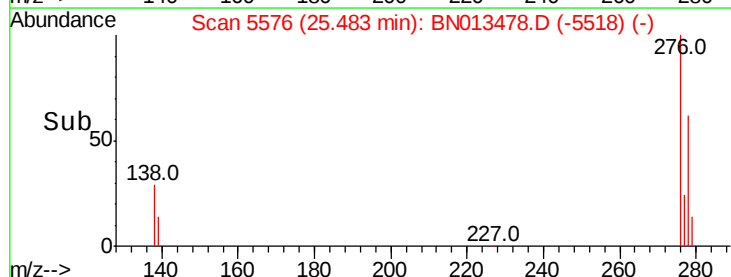
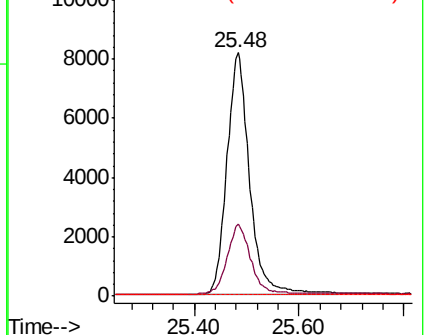
227 0.3 0.0 0.0#

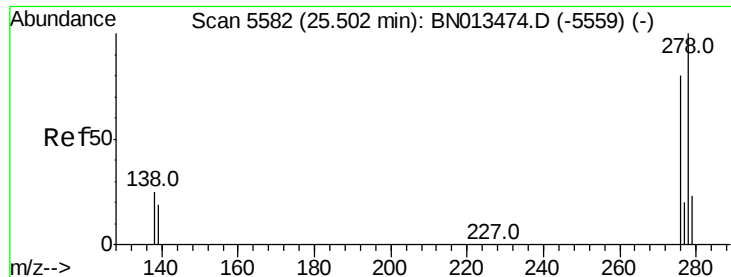


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.385 ng/ul

RT: 25.50 min Scan# 5580

Delta R.T. -0.01 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

Instrument :

BNA_N

ClientSampleId :

SICV003

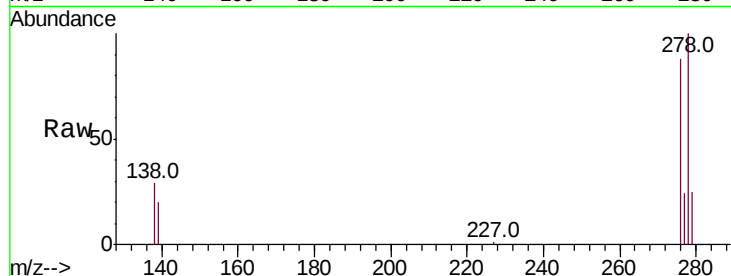
Tot Ion:278 Resp: 19815

Ion Ratio Lower Upper

278 100

139 19.9 16.2 24.2

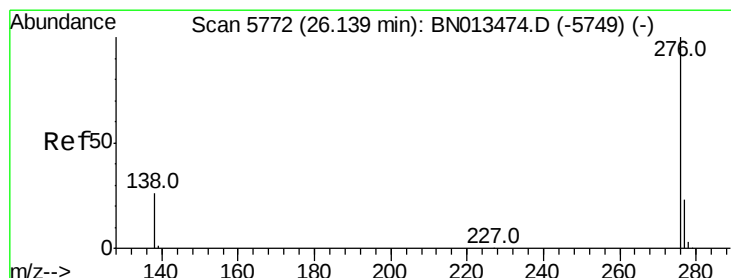
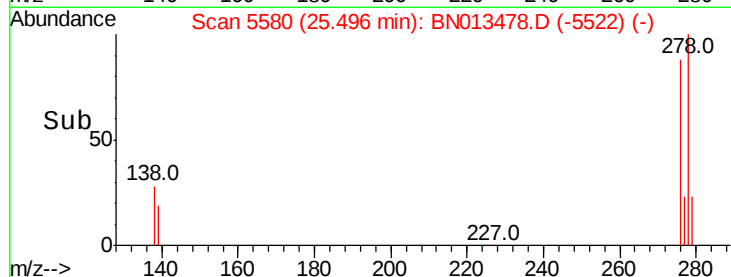
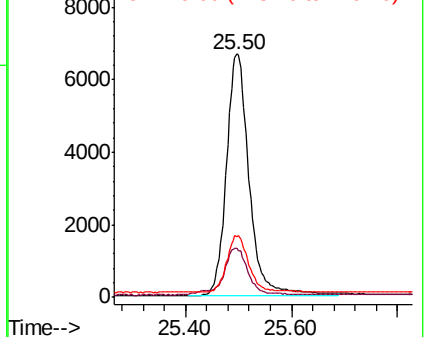
279 25.0 20.3 30.5



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: 0.375 ng/ul

RT: 26.14 min Scan# 5772

Delta R.T. -0.00 min

Lab File: BN013478.D

Acq: 25 Jan 2021 21:18

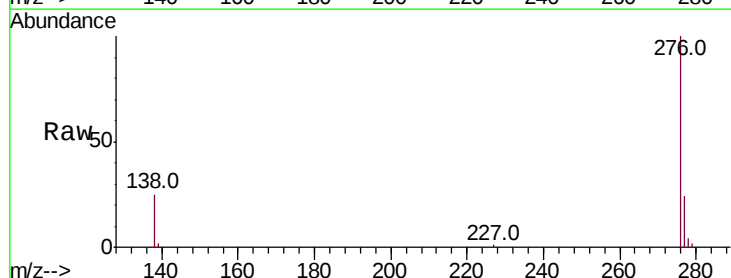
Tgt Ion:276 Resp: 20957

Ion Ratio Lower Upper

276 100

138 25.2 20.2 30.2

277 24.0 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

