

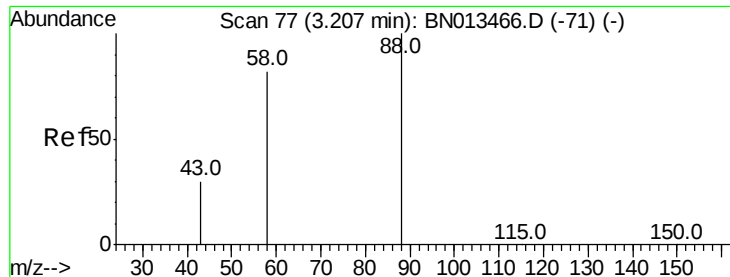
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012321\
 Data File : BN013466.D
 Acq On : 22 Jan 2021 21:47
 Operator : CG/JU
 Sample : SST00.405
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST00.4005

Quant Time: Jan 23 01:16:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN012321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 23 01:14:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4329	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	15820	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	8296	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	17641	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	17425	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	14458	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	1805	0.37	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	8890	0.37	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	17762	0.34	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	1711	0.312	ng/ul	100
5) Naphthalene	10.38	128	17525	0.392	ng/ul	100
7) 2-Methylnaphthalene	12.01	142	11271	0.383	ng/ul	100
8) 1-Methylnaphthalene	12.23	142	10807	0.384	ng/ul	100
10) Acenaphthylene	13.92	152	13338	0.398	ng/ul	100
11) Acenaphthene	14.27	153	11547	0.392	ng/ul	100
12) Fluorene	15.26	166	13020	0.389	ng/ul	100
14) Pentachlorophenol	16.61	266	961	0.215	ng/ul	100
15) Phenanthrene	17.00	178	22182	0.410	ng/ul	100
16) Anthracene	17.09	178	18410	0.388	ng/ul	100
19) Fluoranthene	19.02	202	24759	0.361	ng/ul	100
20) Pyrene	19.39	202	25246	0.369	ng/ul	100
21) Benzo(a)anthracene	21.14	228	23604	0.411	ng/ul	100
22) Chrysene	21.19	228	25284	0.409	ng/ul	100
24) Benzo(b)fluoranthene	22.68	252	22844	0.393	ng/ul	100
25) Benzo(k)fluoranthene	22.72	252	24671	0.442	ng/ul	100
26) Benzo(a)pyrene	23.23	252	19561	0.407	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.49	276	25452	0.437	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.50	278	20756	0.425	ng/ul	100
29) Benzo(g,h,i)perylene	26.15	276	22087	0.435	ng/ul	100

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



#2

1,4-Dioxane

Concen: 0.312 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

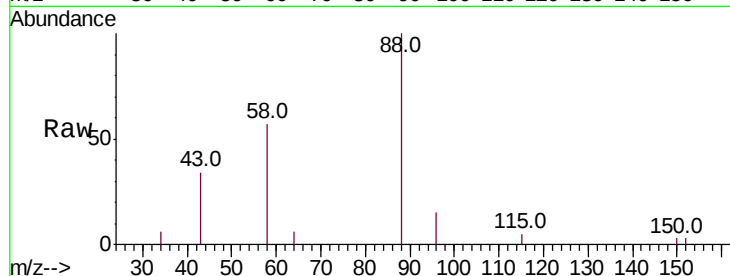
Tot Ion: 88 Resp: 1711

Ion Ratio Lower Upper

88 100

43 33.6 26.9 40.3

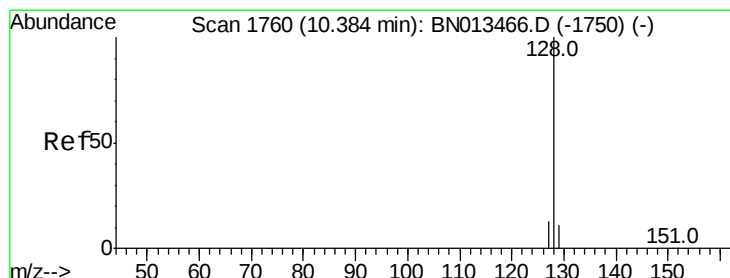
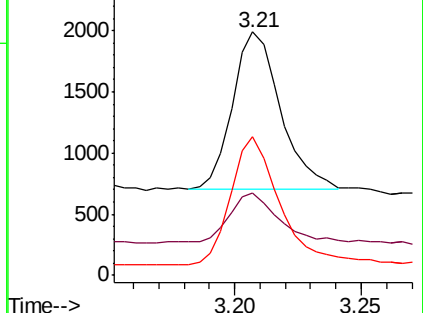
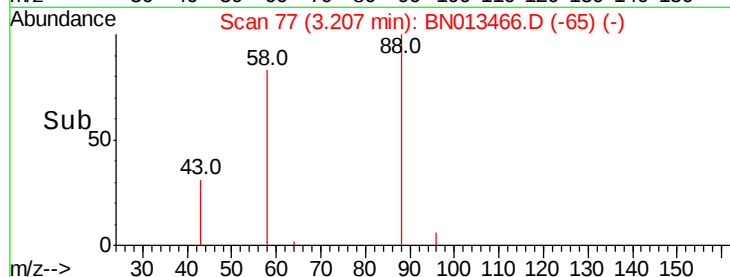
58 57.2 45.8 68.6



Abundance Ion 88.00 (87.70 to 88.70): BN013466.D (-71) (-)

Ion 43.00 (42.70 to 43.70): BN013466.D (-71) (-)

Ion 58.00 (57.70 to 58.70): BN013466.D (-71) (-)



#5

Naphthalene

Concen: 0.392 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

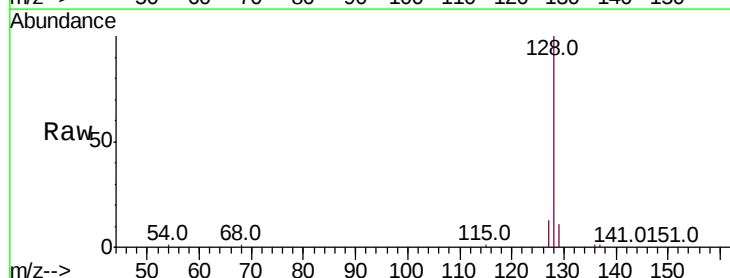
Tgt Ion: 128 Resp: 17525

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

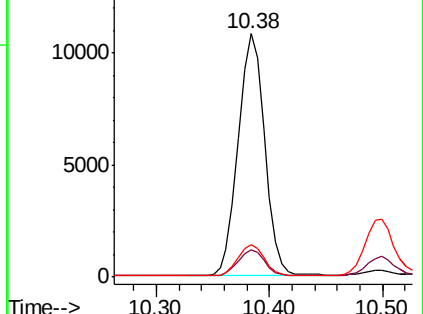
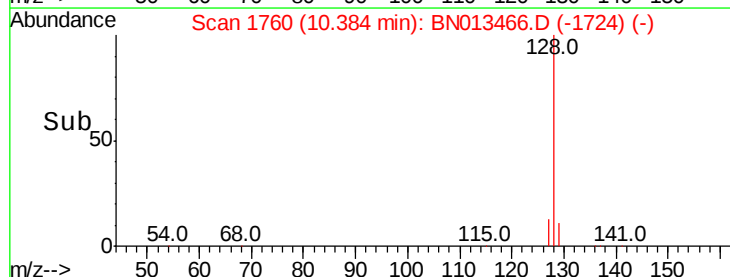
127 13.4 10.7 16.1

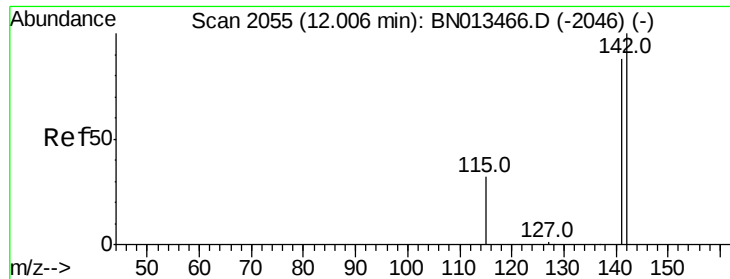


Abundance Ion 128.00 (127.70 to 128.70): BN013466.D (-1750) (-)

Ion 129.00 (128.70 to 129.70): BN013466.D (-1750) (-)

Ion 127.00 (126.70 to 127.70): BN013466.D (-1750) (-)





#7

2-Methylnaphthalene

Concen: 0.383 ng/ul

RT: 12.01 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

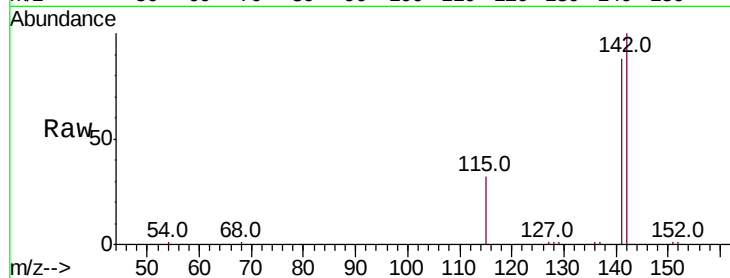
SSTD0.4005

Tot Ion:142 Resp: 11271

Ion Ratio Lower Upper

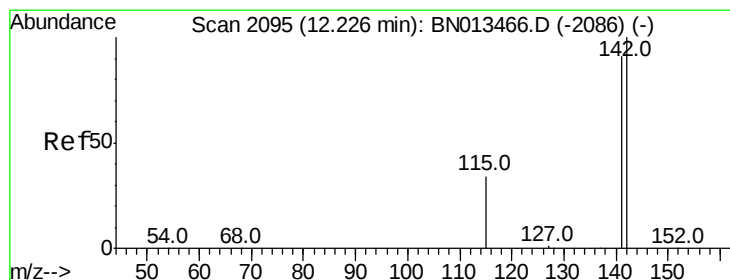
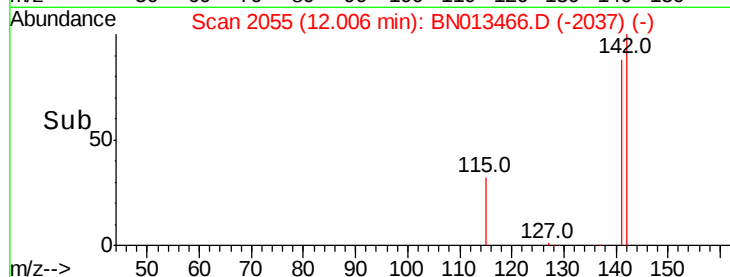
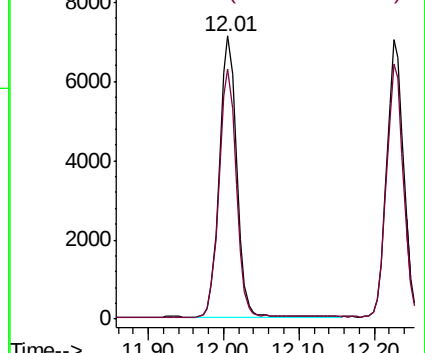
142 100

141 88.6 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: 0.384 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN013466.D

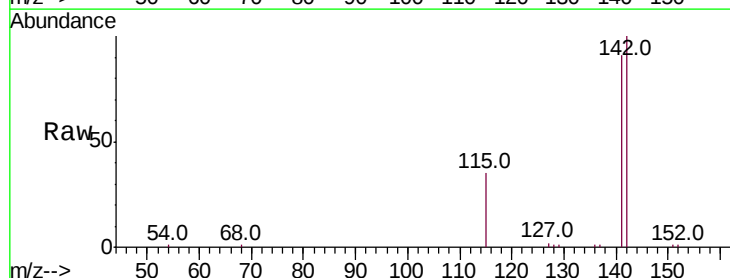
Acq: 22 Jan 2021 21:47

Tgt Ion:142 Resp: 10807

Ion Ratio Lower Upper

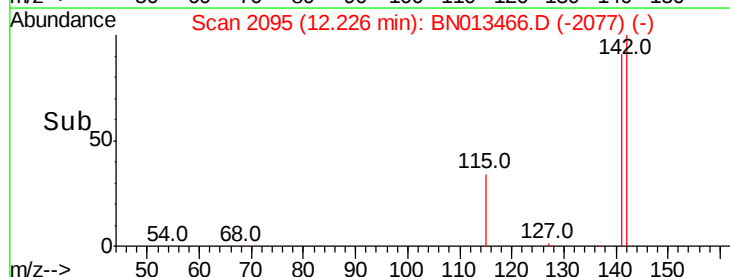
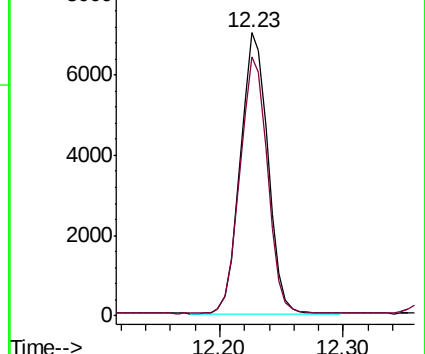
142 100

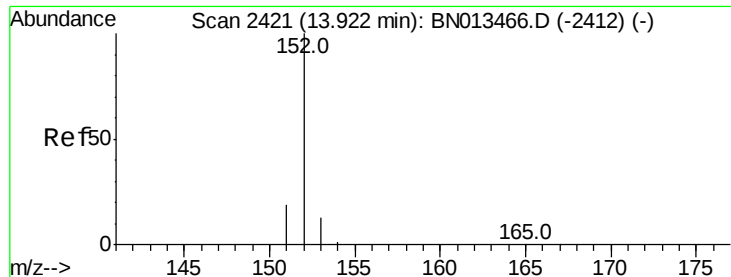
141 91.6 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.398 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

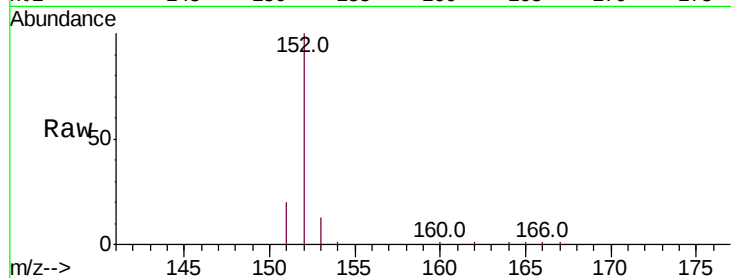
Tot Ion:152 Resp: 13338

Ion Ratio Lower Upper

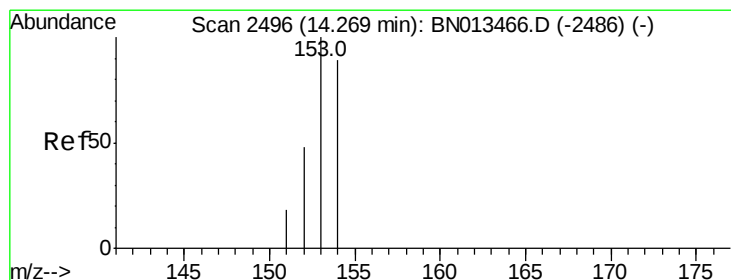
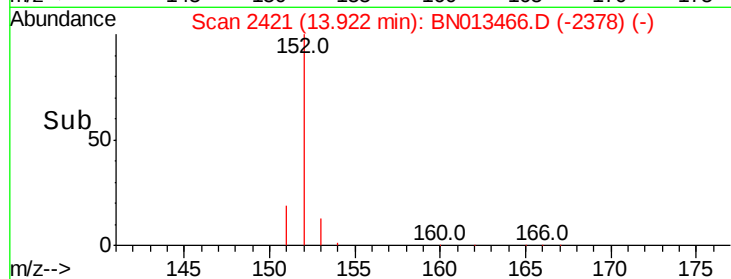
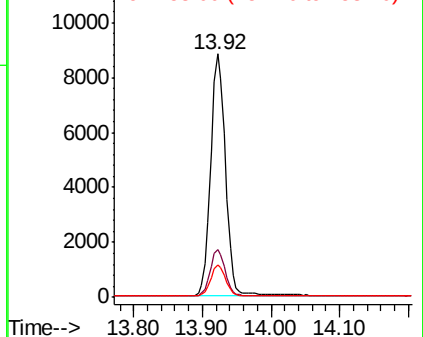
152 100

151 19.7 15.8 23.6

153 13.4 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: 0.392 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

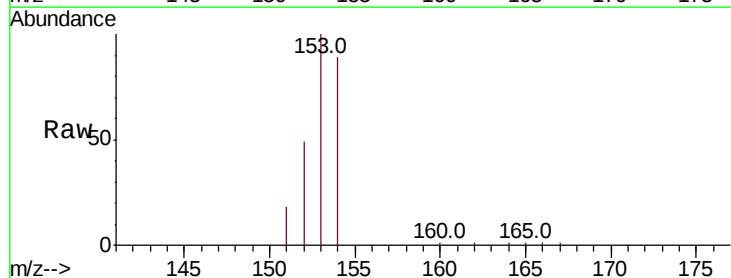
Tgt Ion:153 Resp: 11547

Ion Ratio Lower Upper

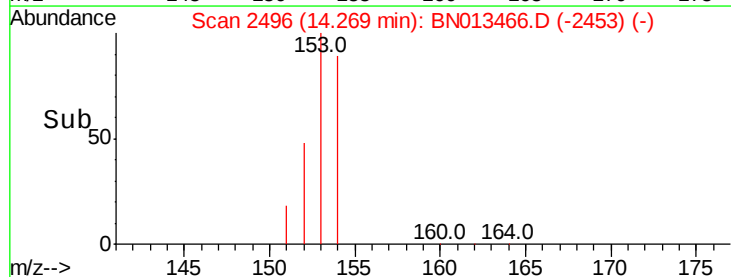
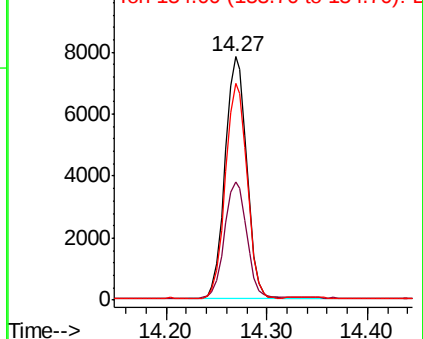
153 100

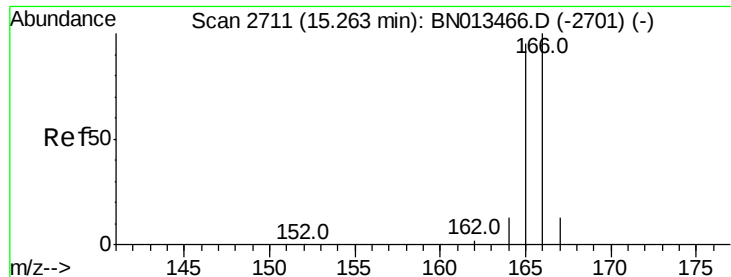
152 48.6 38.9 58.3

154 88.8 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: 0.389 ng/ul

RT: 15.26 min Scan# 2711

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

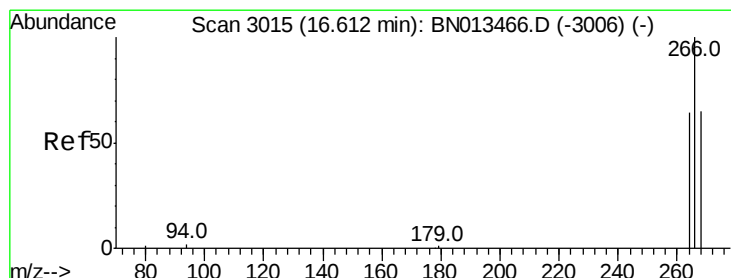
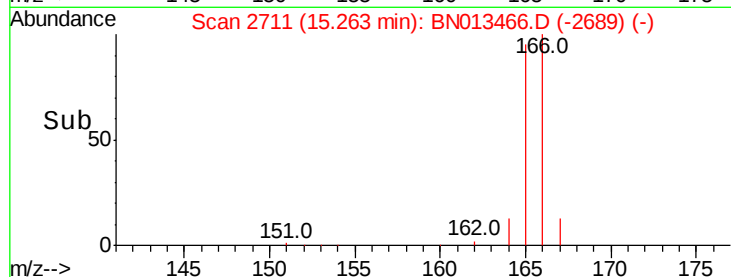
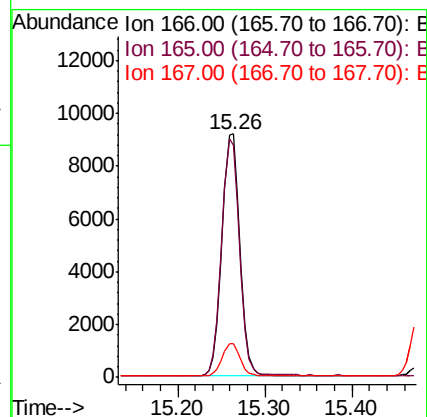
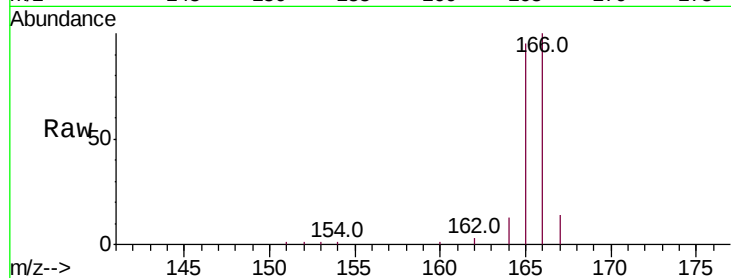
Tot Ion:166 Resp: 13020

Ion Ratio Lower Upper

166 100

165 95.1 76.1 114.1

167 13.8 11.0 16.6



#14

Pentachlorophenol

Concen: 0.215 ng/ul

RT: 16.61 min Scan# 3015

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

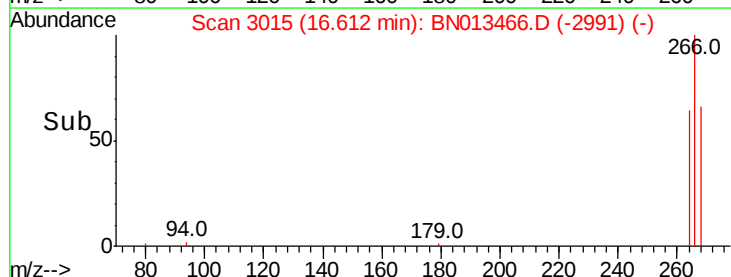
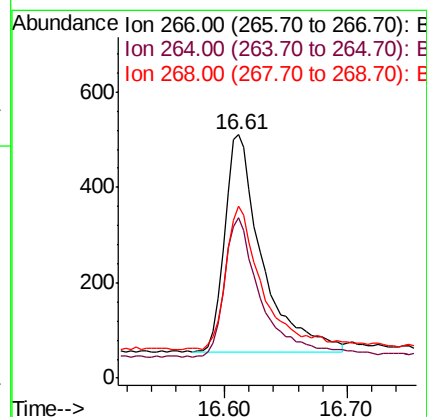
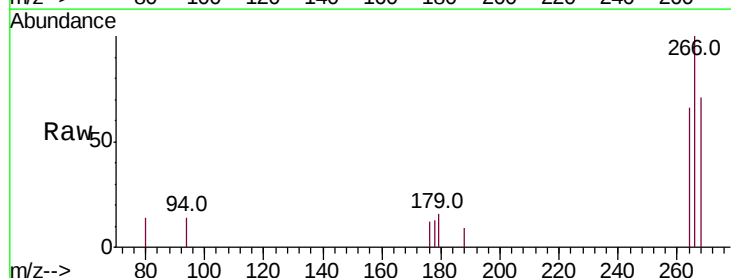
Tgt Ion:266 Resp: 961

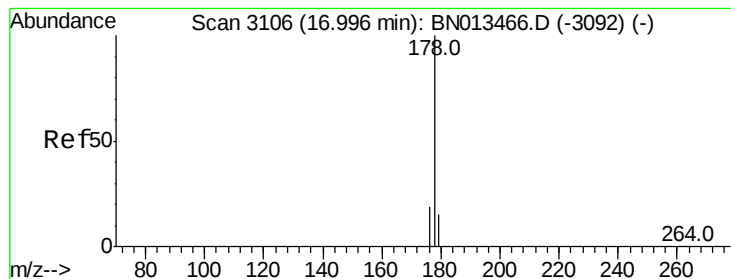
Ion Ratio Lower Upper

266 100

264 62.5 50.0 75.0

268 65.8 52.6 79.0





#15

Phenanthrene

Concen: 0.410 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

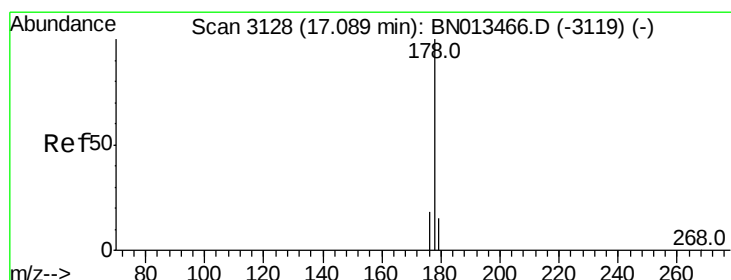
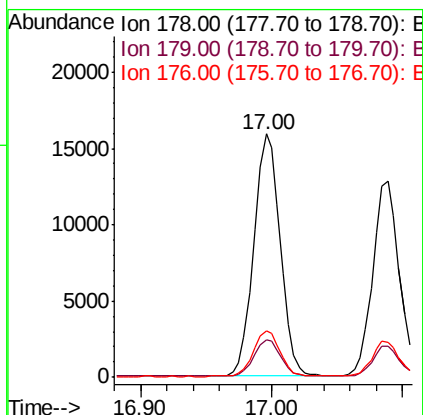
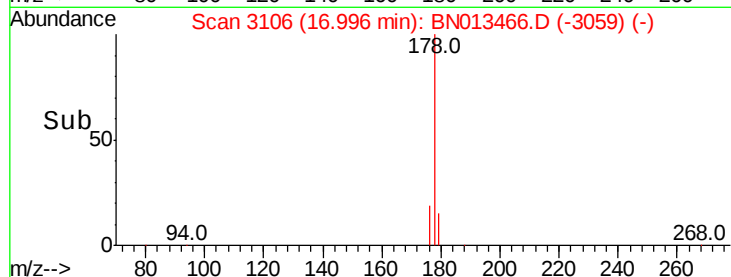
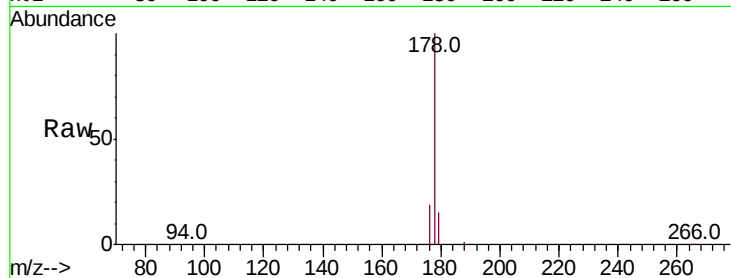
Tot Ion:178 Resp: 22182

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 19.2 15.4 23.0



#16

Anthracene

Concen: 0.388 ng/ul

RT: 17.09 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

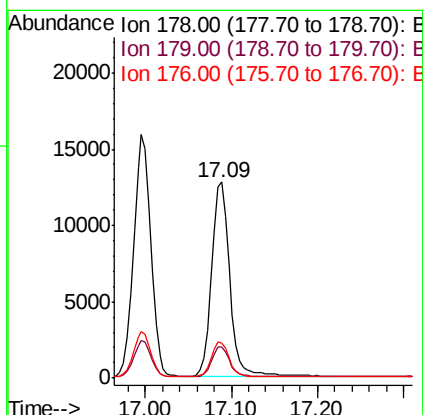
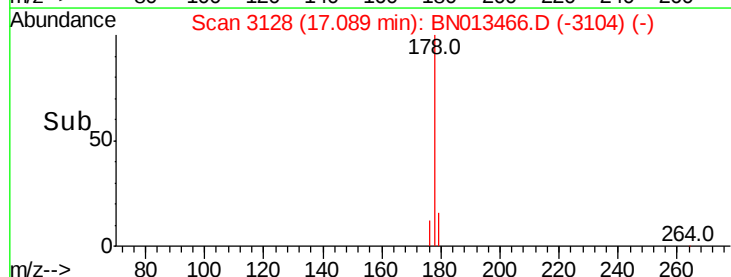
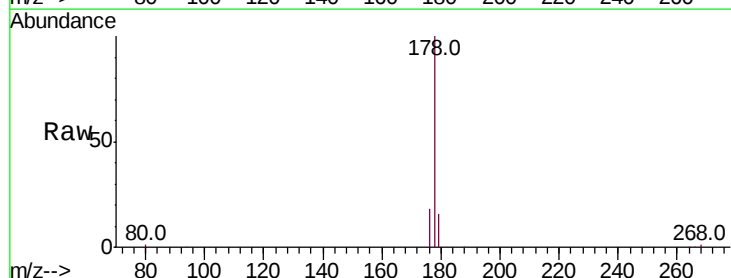
Tgt Ion:178 Resp: 18410

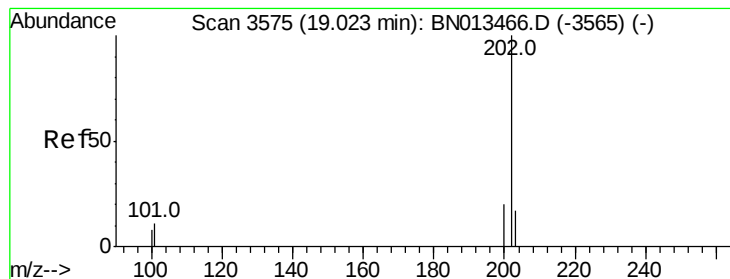
Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

176 18.0 14.4 21.6





#19

Fluoranthene

Concen: 0.361 ng/ul

RT: 19.02 min Scan# 3575

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

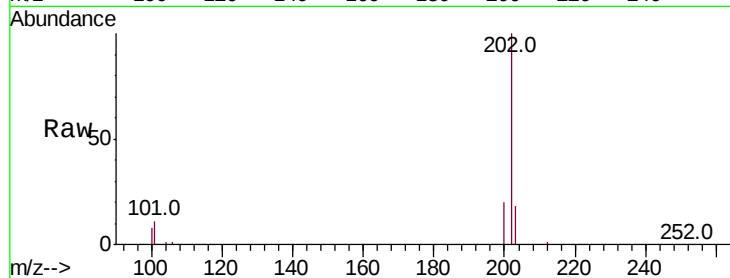
Tot Ion:202 Resp: 24759

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

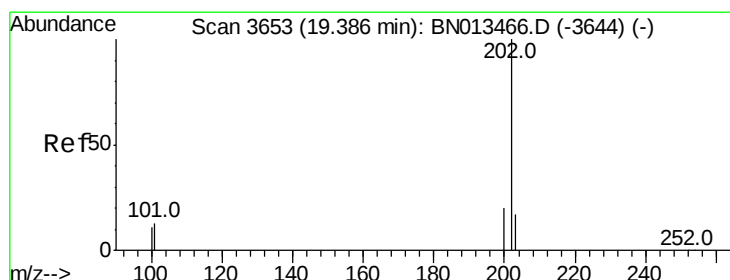
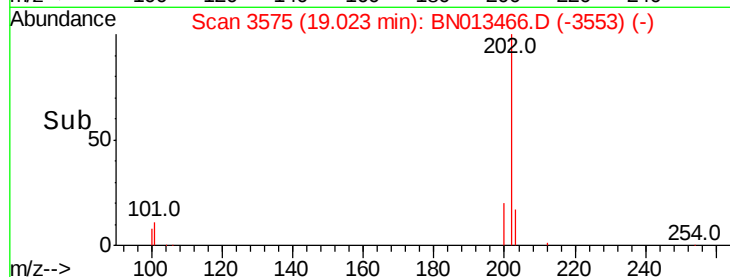
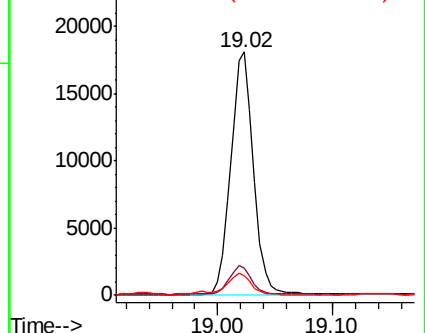
100 8.3 6.6 10.0



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: 0.369 ng/ul

RT: 19.39 min Scan# 3653

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

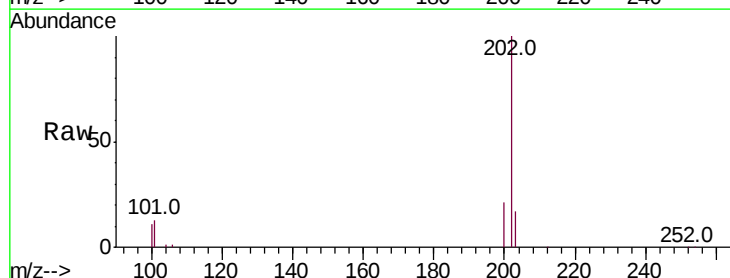
Tgt Ion:202 Resp: 25246

Ion Ratio Lower Upper

202 100

101 12.9 10.3 15.5

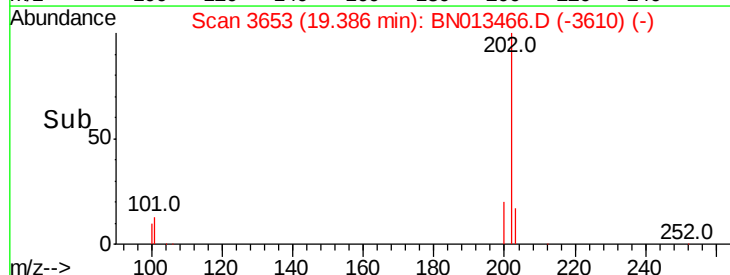
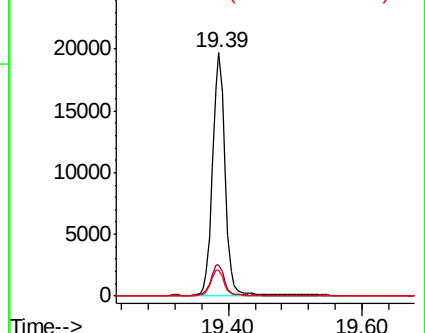
100 10.8 8.6 13.0

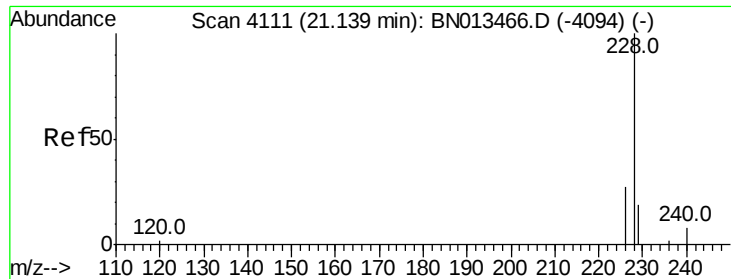


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

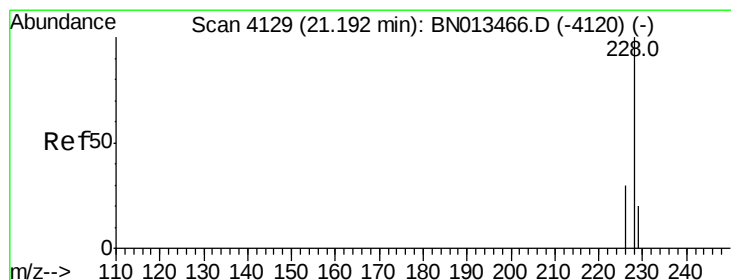
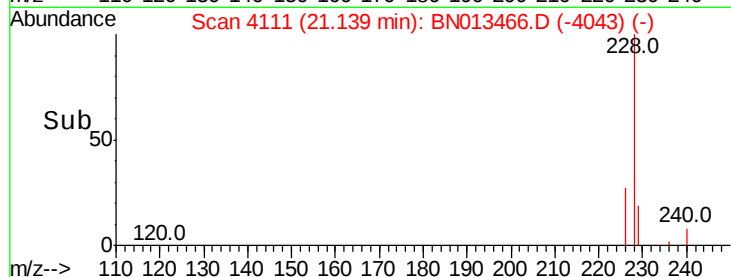
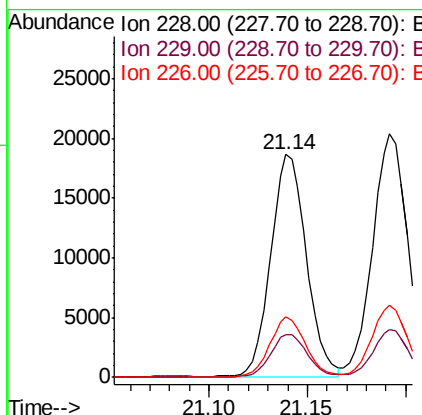
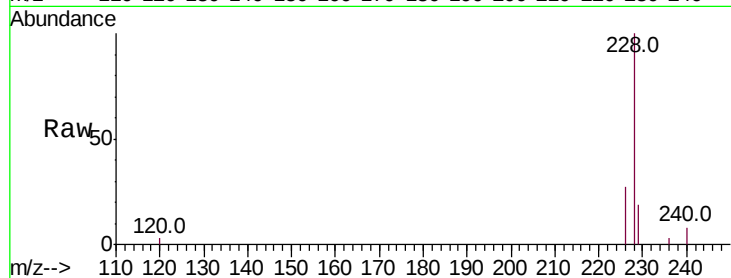




#21
Benzo(a)anthracene
Concen: 0.411 ng/ul
RT: 21.14 min Scan# 4111
Delta R.T. 0.00 min
Lab File: BN013466.D
Acq: 22 Jan 2021 21:47

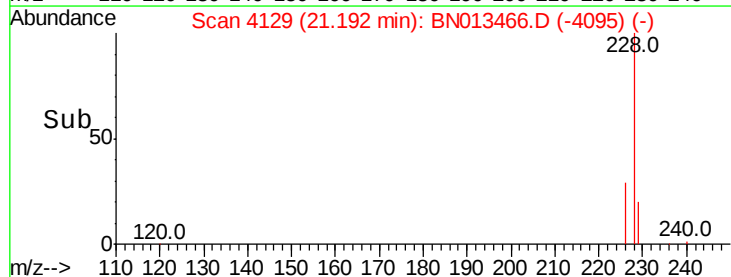
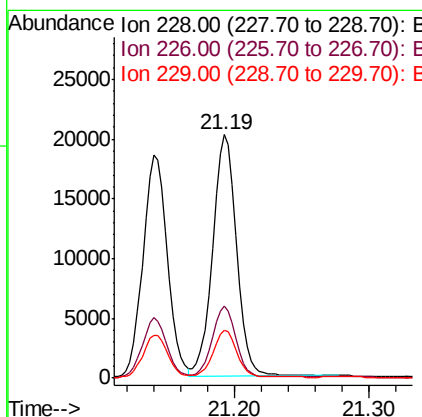
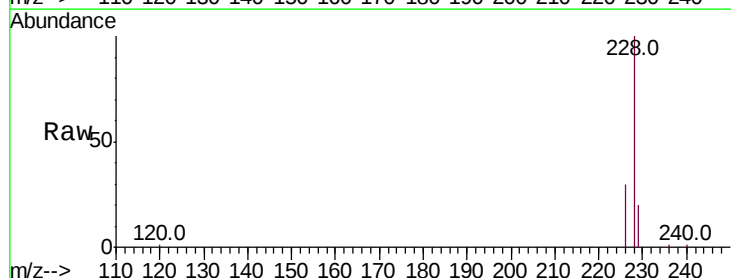
Instrument :
BNA_N
ClientSampleId :
SSTD0.4005

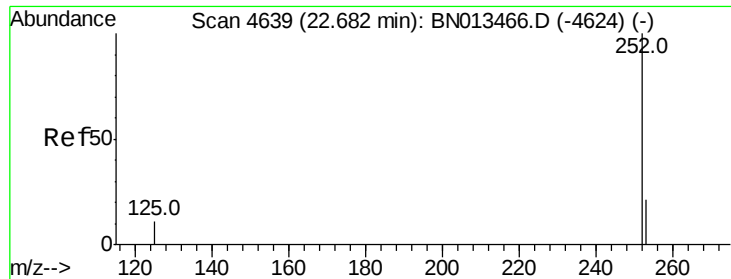
Tot Ion:228 Resp: 23604
Ion Ratio Lower Upper
228 100
229 19.4 15.5 23.3
226 27.0 21.6 32.4



#22
Chrysene
Concen: 0.409 ng/ul
RT: 21.19 min Scan# 4129
Delta R.T. 0.00 min
Lab File: BN013466.D
Acq: 22 Jan 2021 21:47

Tgt Ion:228 Resp: 25284
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 19.8 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.393 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

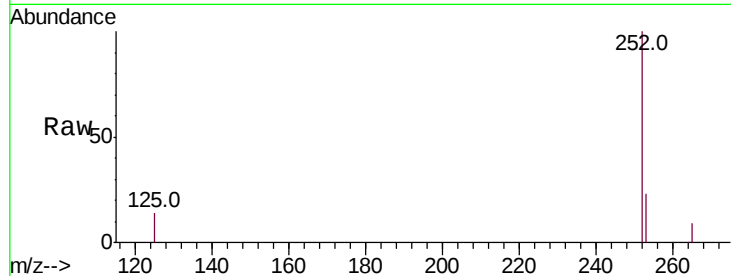
Tot Ion:252 Resp: 22844

Ion Ratio Lower Upper

252 100

253 23.3 0.0 46.6

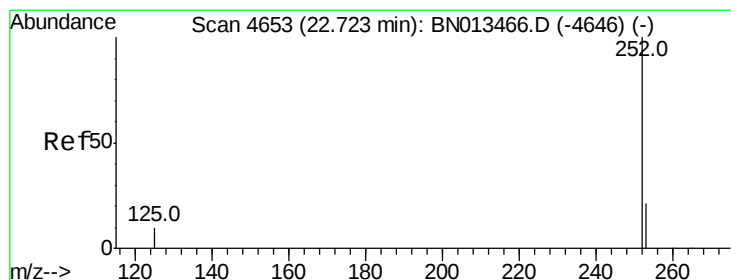
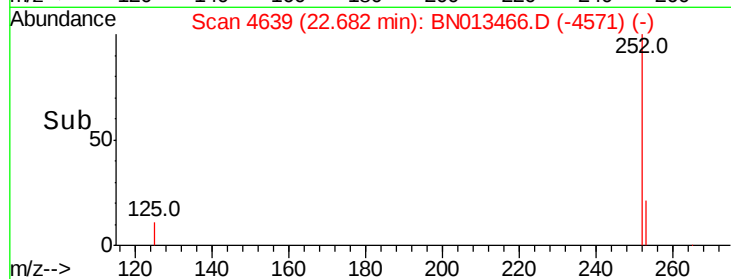
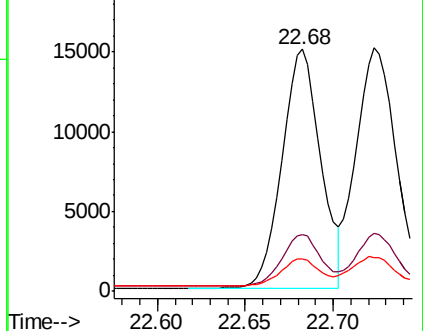
125 13.6 0.0 27.2



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: 0.442 ng/ul

RT: 22.72 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

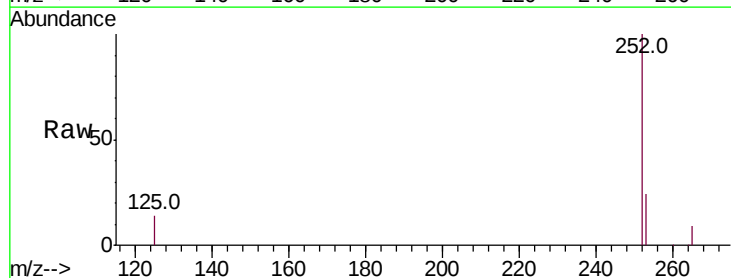
Tgt Ion:252 Resp: 24671

Ion Ratio Lower Upper

252 100

253 23.7 19.0 28.4

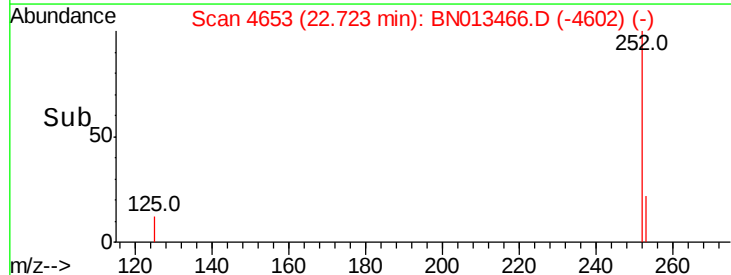
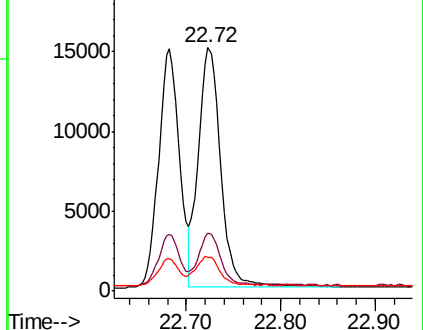
125 14.1 11.3 16.9

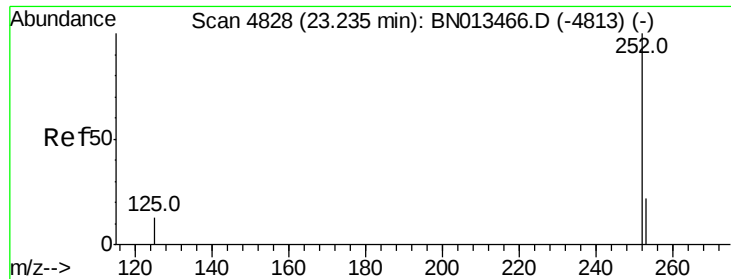


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.407 ng/ul

RT: 23.23 min Scan# 4828

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

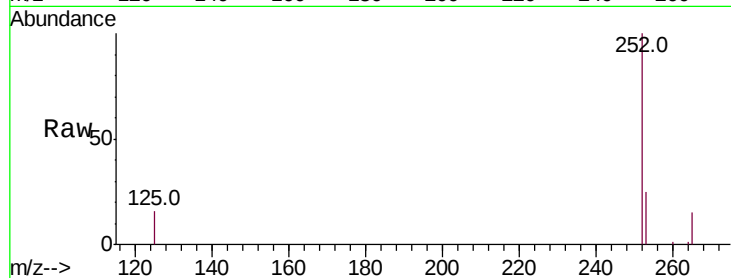
Tot Ion:252 Resp: 19561

Ion Ratio Lower Upper

252 100

253 24.8 19.8 29.8

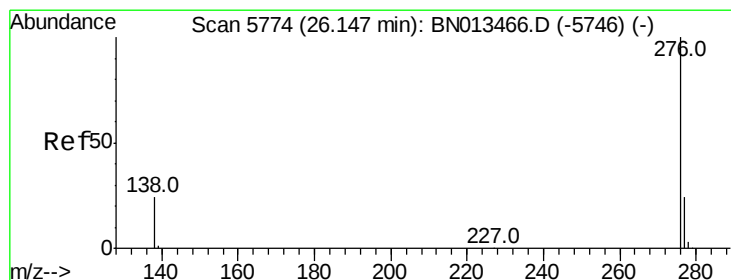
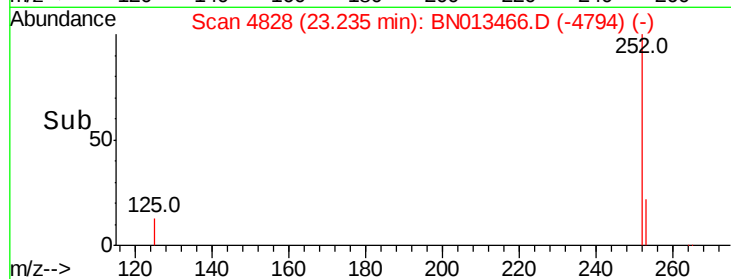
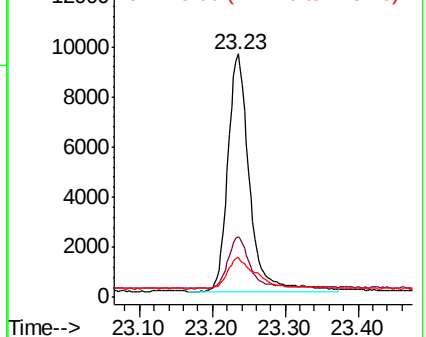
125 16.4 13.1 19.7



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: 0.437 ng/ul

RT: 25.49 min Scan# 5578

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

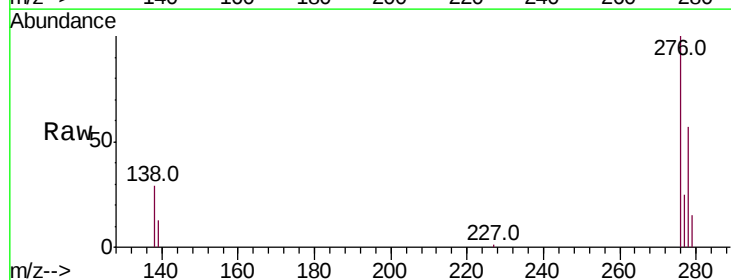
Tgt Ion:276 Resp: 25452

Ion Ratio Lower Upper

276 100

138 30.0 17.2 25.8#

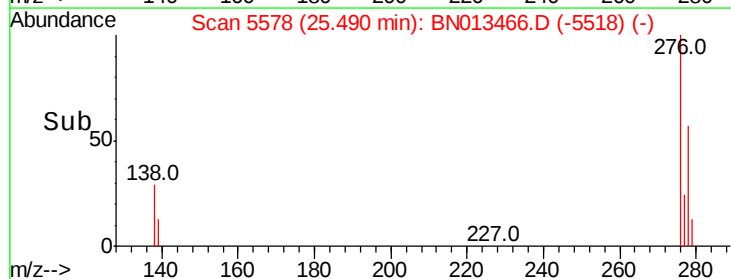
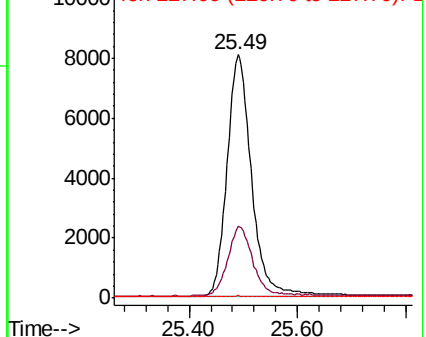
227 0.2 0.0 0.0#

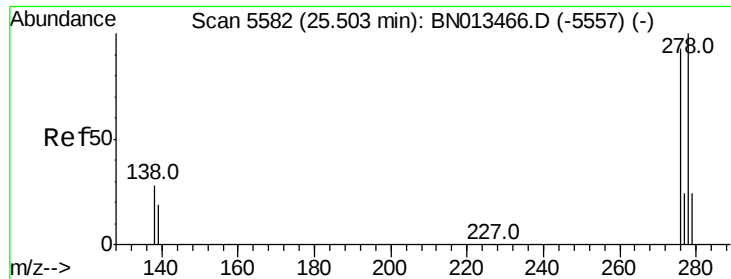


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.425 ng/ul

RT: 25.50 min Scan# 5582

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

Instrument :

BNA_N

ClientSampleId :

SSTD0.4005

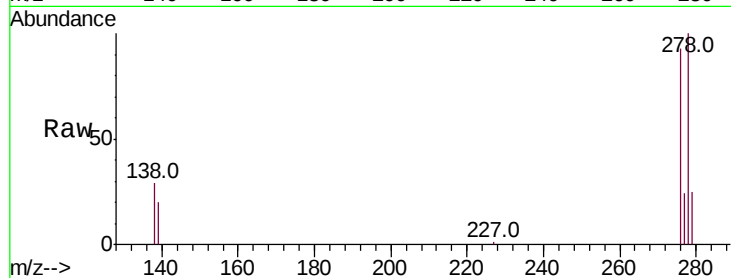
Tot Ion:278 Resp: 20756

Ion Ratio Lower Upper

278 100

139 20.2 16.2 24.2

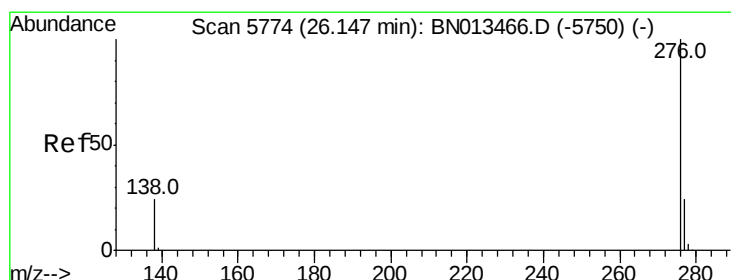
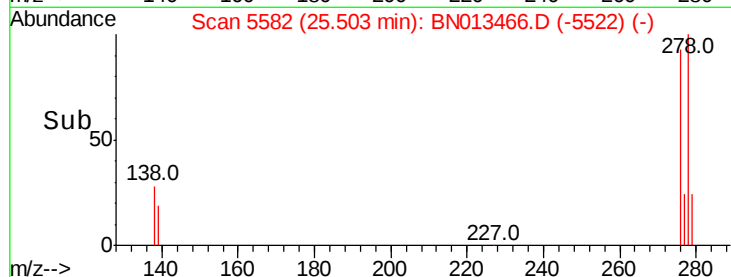
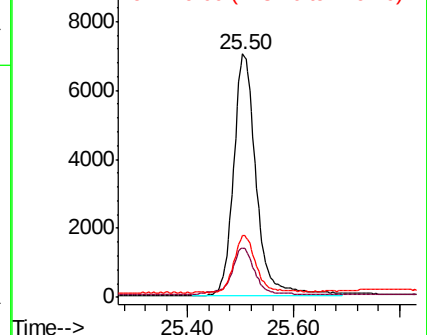
279 25.4 20.3 30.5



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: 0.435 ng/ul

RT: 26.15 min Scan# 5774

Delta R.T. 0.00 min

Lab File: BN013466.D

Acq: 22 Jan 2021 21:47

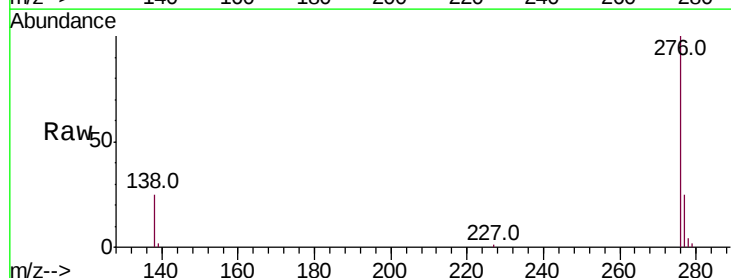
Tgt Ion:276 Resp: 22087

Ion Ratio Lower Upper

276 100

138 25.2 20.2 30.2

277 24.6 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

