

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012321\
 Data File : BN013470.D
 Acq On : 23 Jan 2021 00:10
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV002

Quant Time: Jan 23 01:39:05 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 01:36:42 2021
 Response via : Initial Calibration

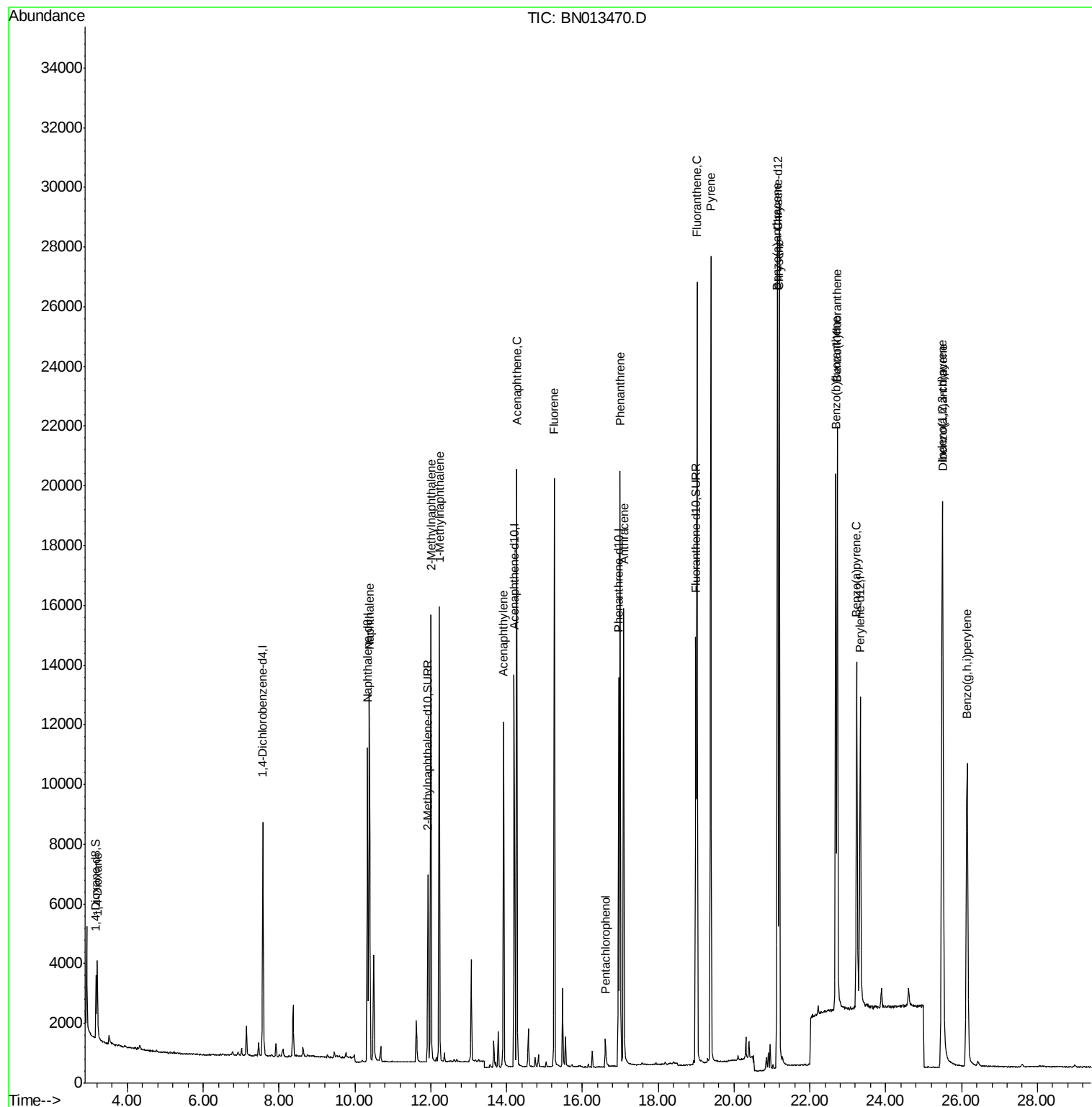
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3802	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	14041	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	7245	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	15322	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	15272	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	13122	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	1433	0.36	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	8392	0.41	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	16001	0.40	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	1557	0.399	ng/ul	98
5) Naphthalene	10.38	128	16606	0.424	ng/ul	100
7) 2-Methylnaphthalene	12.01	142	11044	0.433	ng/ul	99
8) 1-Methylnaphthalene	12.23	142	10345	0.423	ng/ul	100
10) Acenaphthylene	13.92	152	12976	0.425	ng/ul	100
11) Acenaphthene	14.27	153	10919	0.422	ng/ul	100
12) Fluorene	15.26	166	12324	0.420	ng/ul	100
14) Pentachlorophenol	16.61	266	823	0.344	ng/ul	97
15) Phenanthrene	17.00	178	20524	0.417	ng/ul	99
16) Anthracene	17.09	178	16921	0.407	ng/ul	100
19) Fluoranthene	19.02	202	22325	0.398	ng/ul	100
20) Pyrene	19.39	202	22826	0.400	ng/ul	98
21) Benzo(a)anthracene	21.14	228	21870	0.414	ng/ul	100
22) Chrysene	21.19	228	23903	0.432	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	21778	0.433	ng/ul	99
25) Benzo(k)fluoranthene	22.72	252	23276	0.424	ng/ul	100
26) Benzo(a)pyrene	23.23	252	17768	0.403	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.48	276	24608	0.422	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.51	278	19925	0.421	ng/ul	99
29) Benzo(g,h,i)perylene	26.15	276	20980	0.426	ng/ul	100

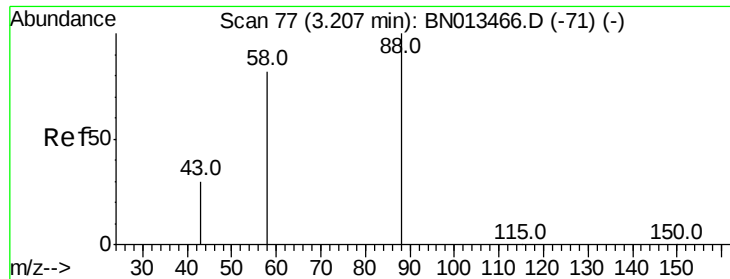
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.399 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

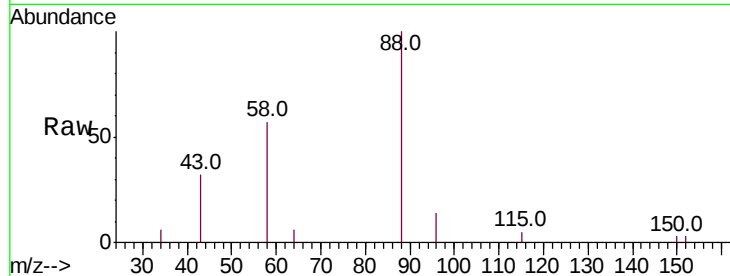
Tot Ion: 88 Resp: 1557

Ion Ratio Lower Upper

88 100

43 31.6 26.9 40.3

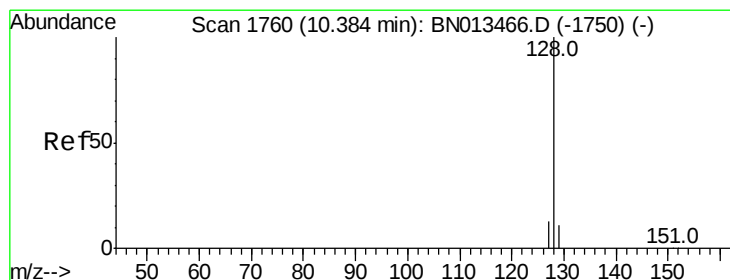
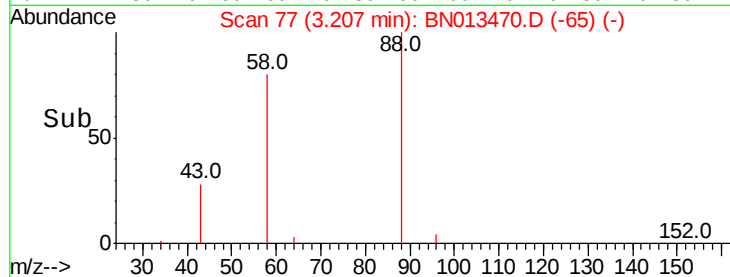
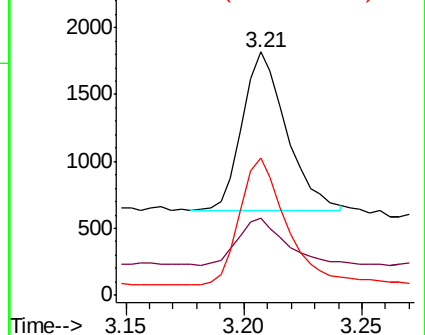
58 56.6 45.8 68.6



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: 0.424 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

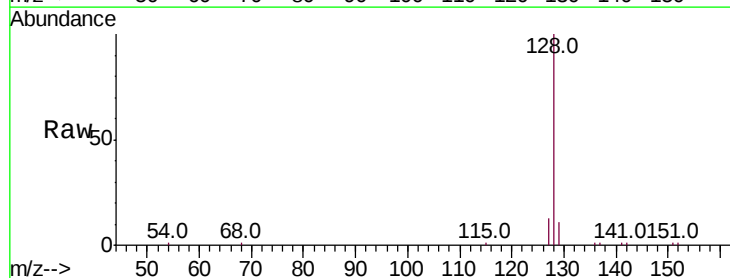
Tgt Ion: 128 Resp: 16606

Ion Ratio Lower Upper

128 100

129 11.4 9.2 13.8

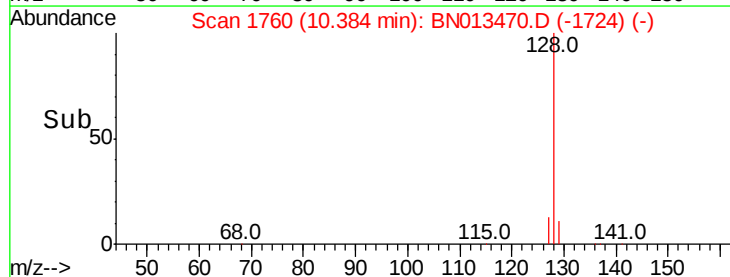
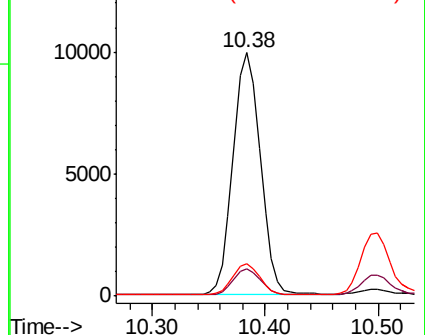
127 13.4 10.7 16.1

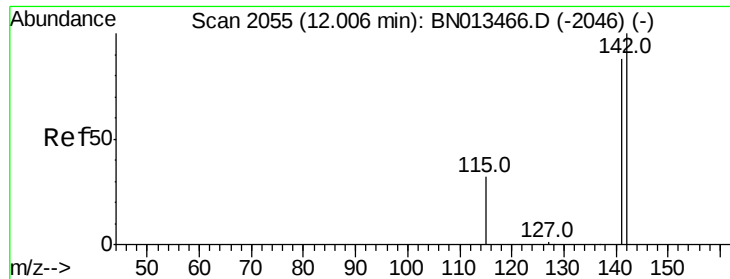


Abundance Ion 128.00 (127.70 to 128.70): BN013466.D (-1750) (-)

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: 0.433 ng/ul

RT: 12.01 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

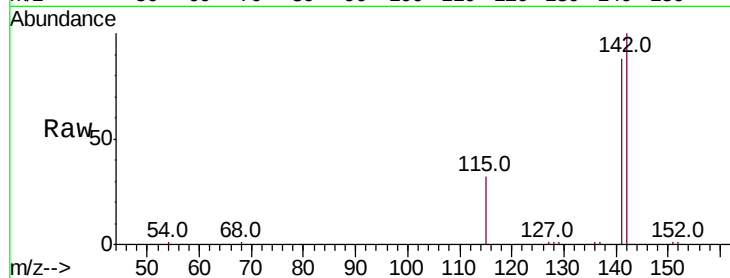
SICV002

Tot Ion:142 Resp: 11044

Ion Ratio Lower Upper

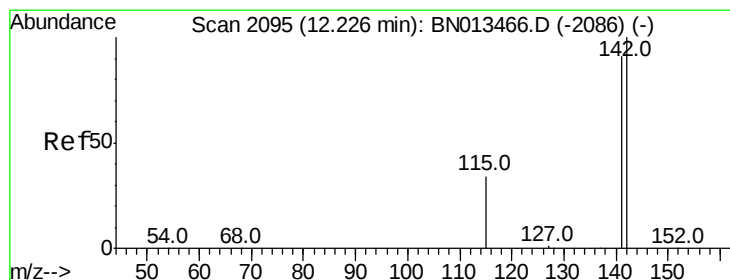
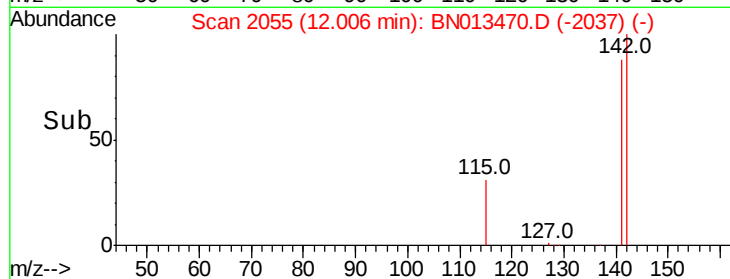
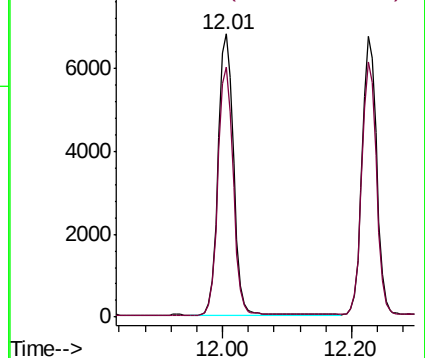
142 100

141 87.9 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: 0.423 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN013470.D

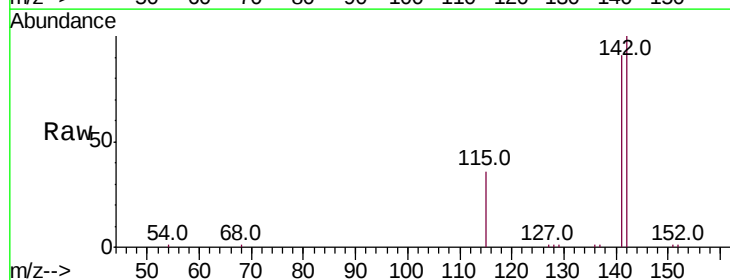
Acq: 23 Jan 2021 00:10

Tgt Ion:142 Resp: 10345

Ion Ratio Lower Upper

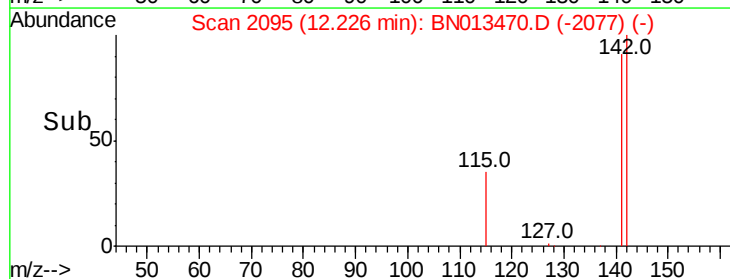
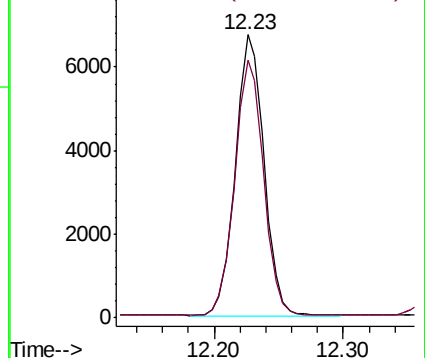
142 100

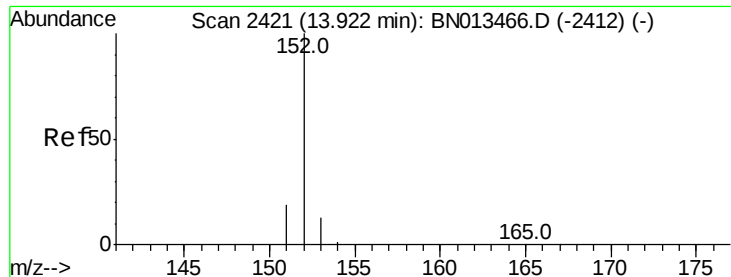
141 91.7 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.425 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

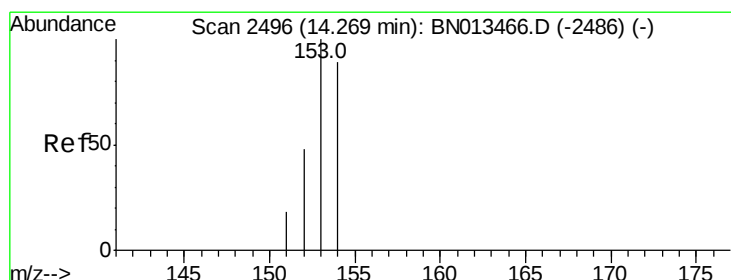
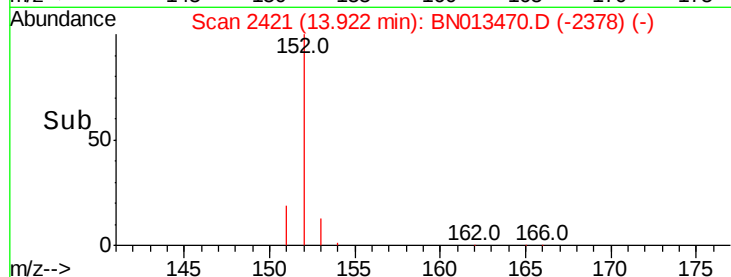
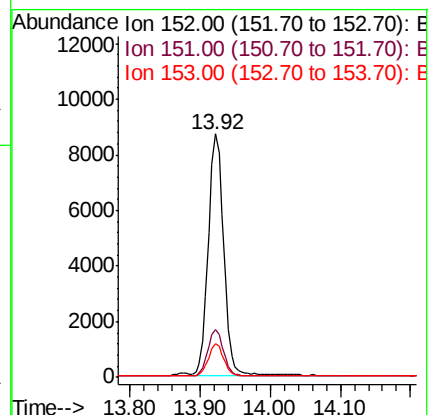
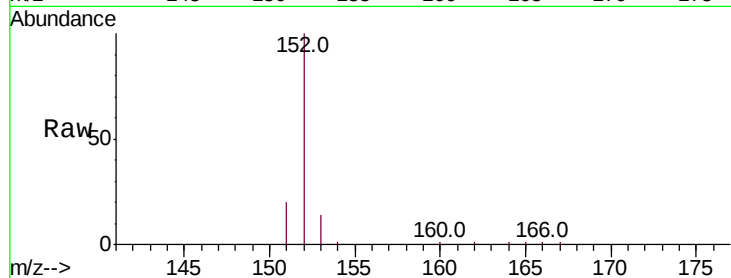
Tot Ion:152 Resp: 12976

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

153 13.6 10.7 16.1



#11

Acenaphthene

Concen: 0.422 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

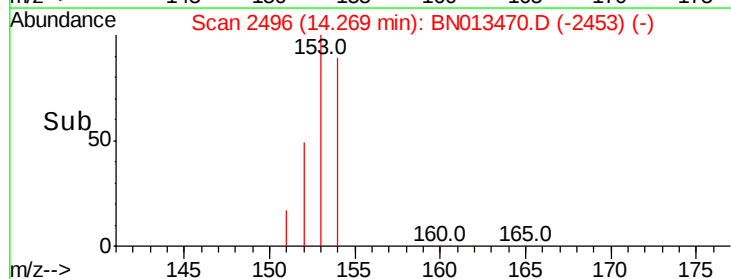
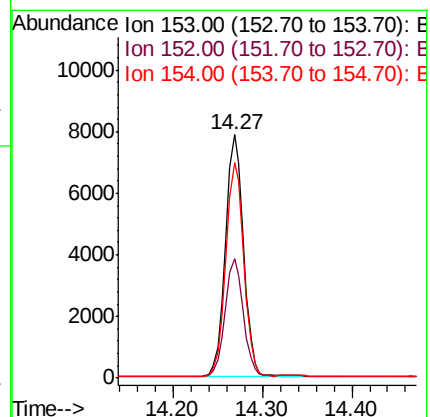
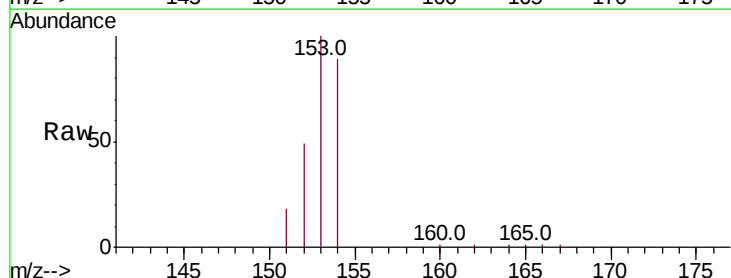
Tgt Ion:153 Resp: 10919

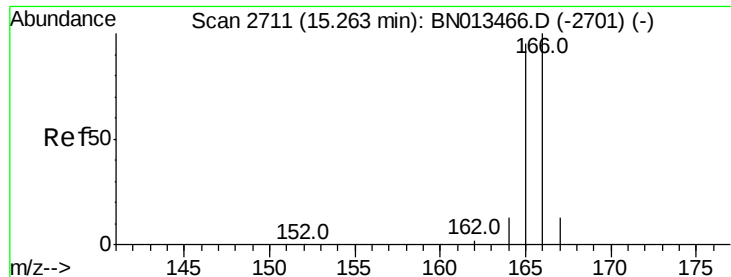
Ion Ratio Lower Upper

153 100

152 49.2 38.9 58.3

154 88.7 71.0 106.6





#12

Fluorene

Concen: 0.420 ng/ul

RT: 15.26 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

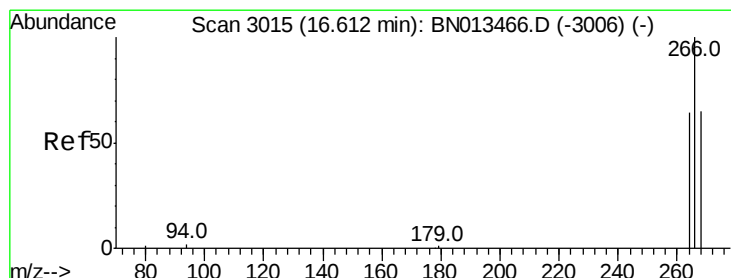
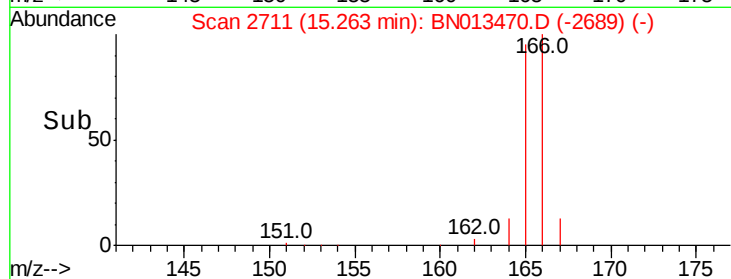
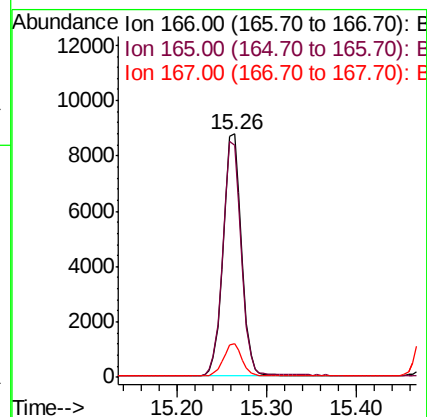
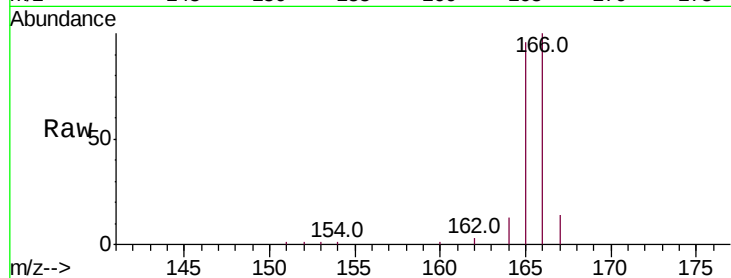
Tot Ion:166 Resp: 12324

Ion Ratio Lower Upper

166 100

165 95.5 76.1 114.1

167 14.0 11.0 16.6



#14

Pentachlorophenol

Concen: 0.344 ng/ul

RT: 16.61 min Scan# 3015

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

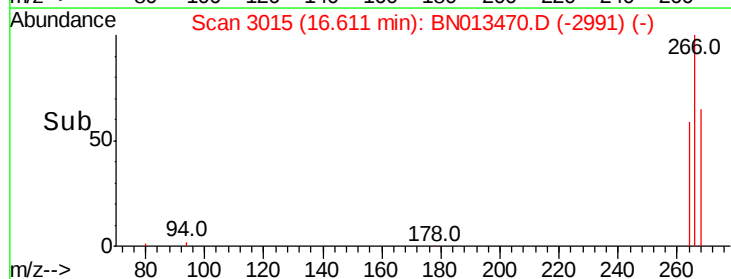
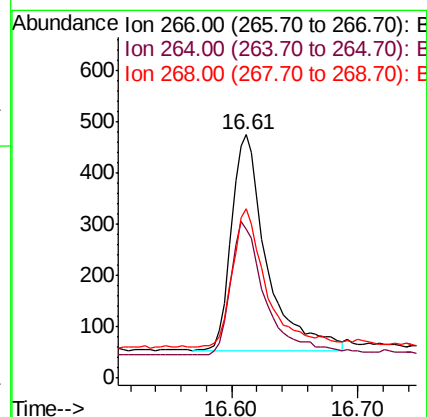
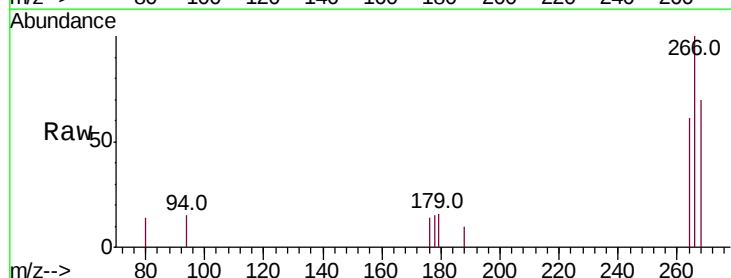
Tgt Ion:266 Resp: 823

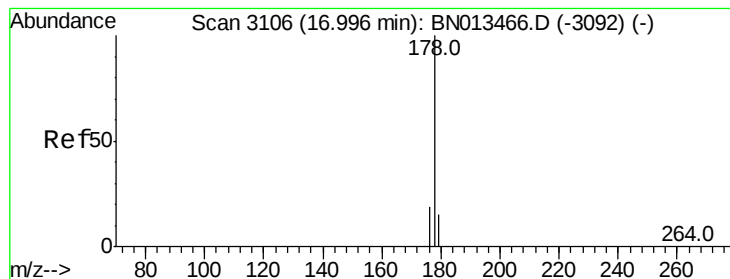
Ion Ratio Lower Upper

266 100

264 61.1 50.0 75.0

268 62.7 52.6 79.0





#15

Phenanthrene

Concen: 0.417 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

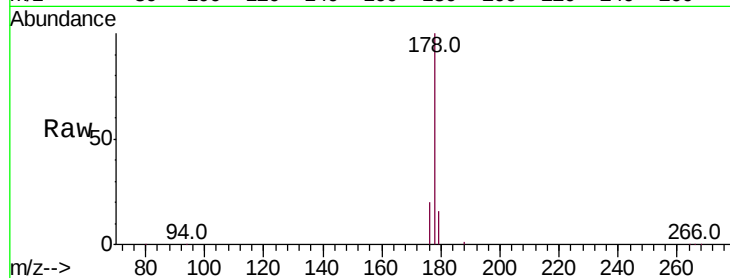
Tot Ion:178 Resp: 20524

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

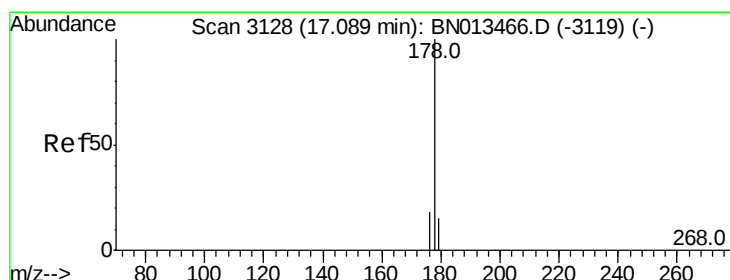
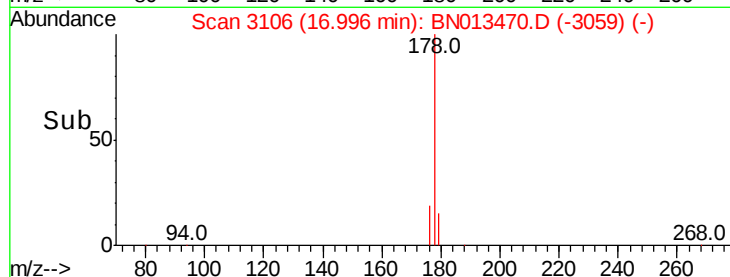
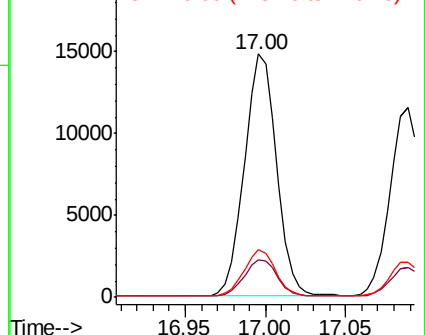
176 19.5 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E

20000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 0.407 ng/ul

RT: 17.09 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

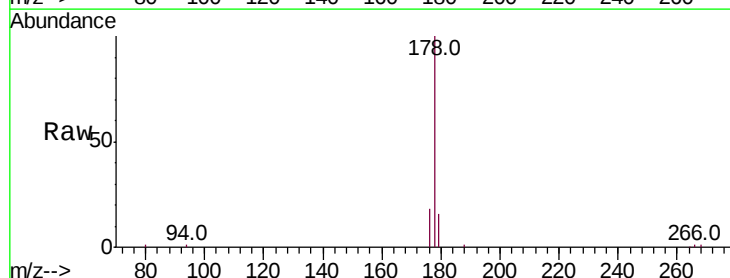
Tgt Ion:178 Resp: 16921

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

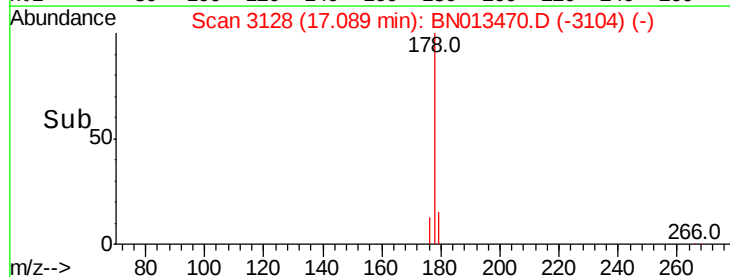
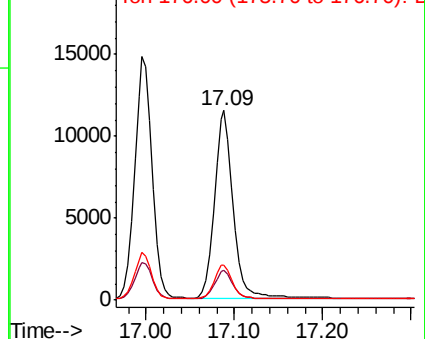
176 18.4 14.4 21.6

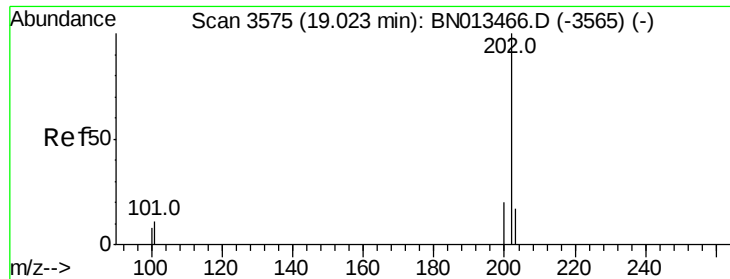


Abundance Ion 178.00 (177.70 to 178.70): E

20000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.398 ng/ul

RT: 19.02 min Scan# 3575

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

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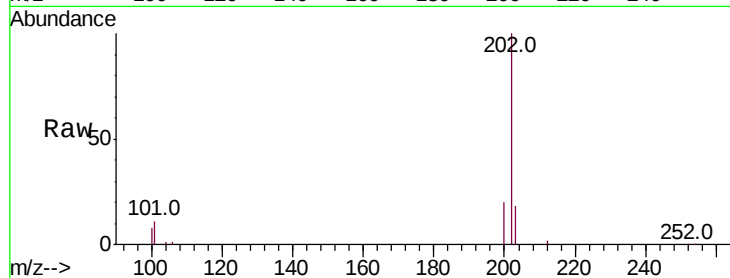
Tot Ion:202 Resp: 22325

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

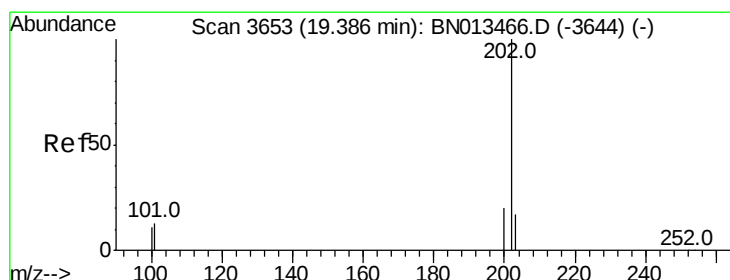
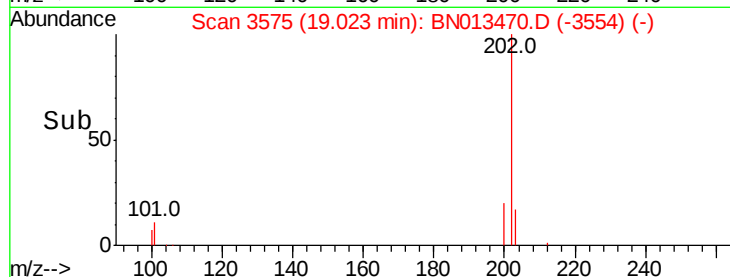
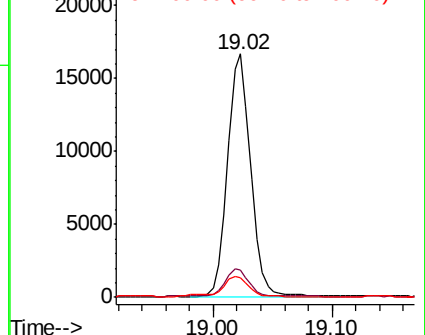
100 8.1 6.6 10.0



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: 0.400 ng/ul

RT: 19.39 min Scan# 3653

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

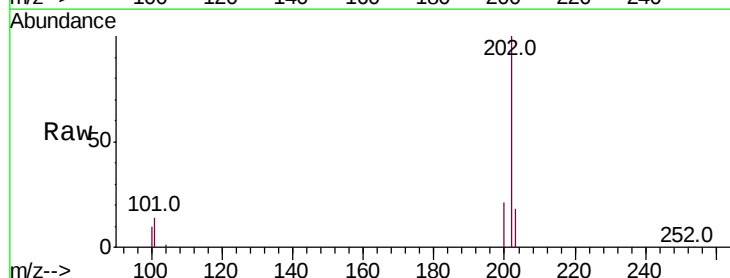
Tgt Ion:202 Resp: 22826

Ion Ratio Lower Upper

202 100

101 13.6 10.3 15.5

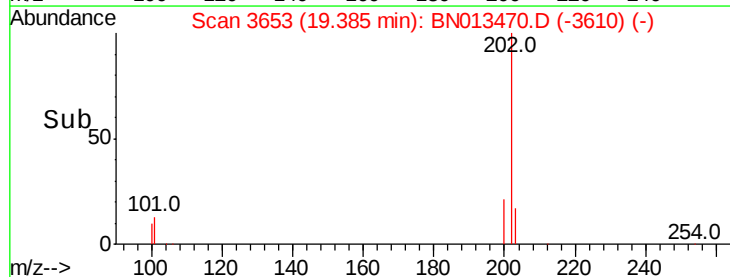
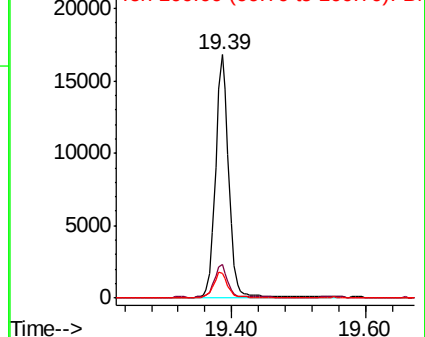
100 10.3 8.6 13.0

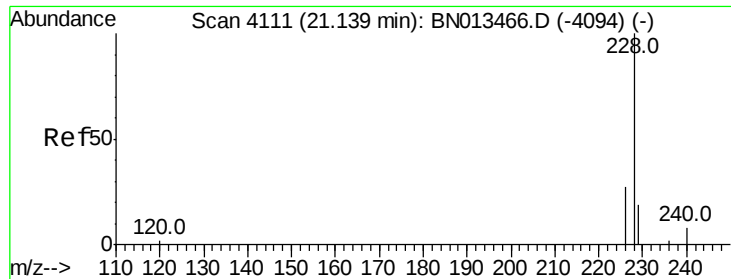


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.414 ng/ul

RT: 21.14 min Scan# 4111

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

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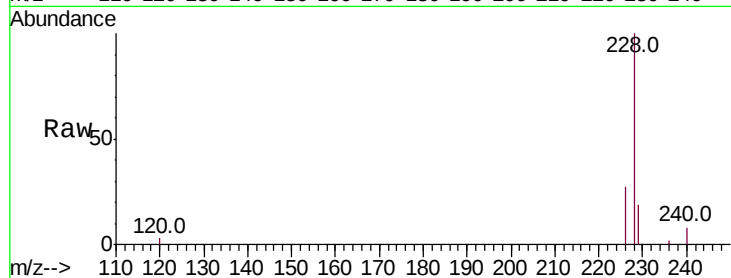
Tot Ion:228 Resp: 21870

Ion Ratio Lower Upper

228 100

229 19.3 15.5 23.3

226 27.0 21.6 32.4

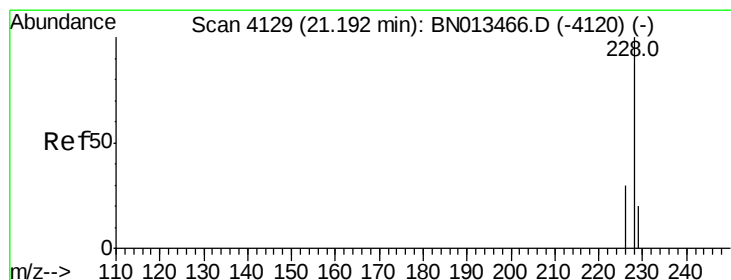
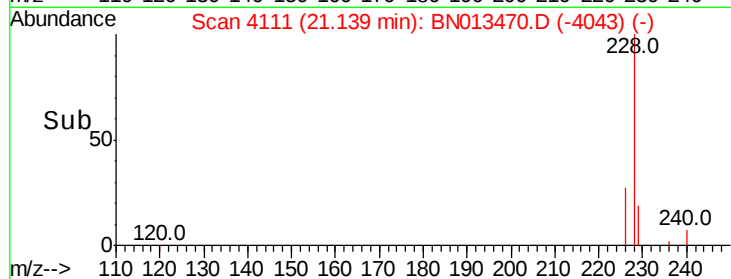
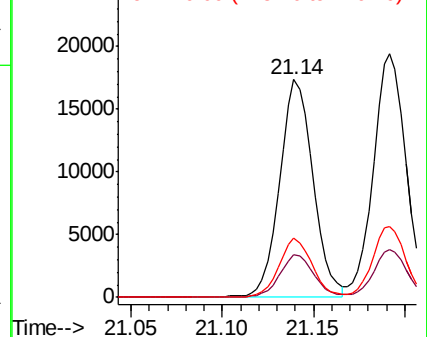


Abundance

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: 0.432 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

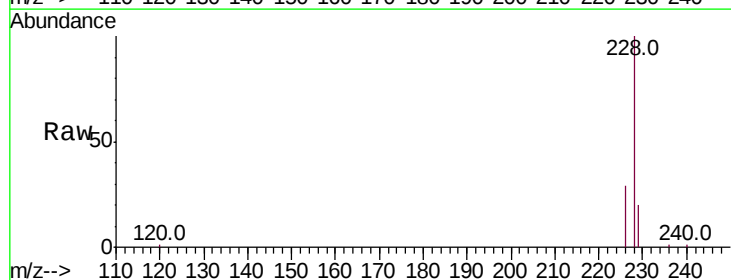
Tgt Ion:228 Resp: 23903

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

229 19.7 15.8 23.8

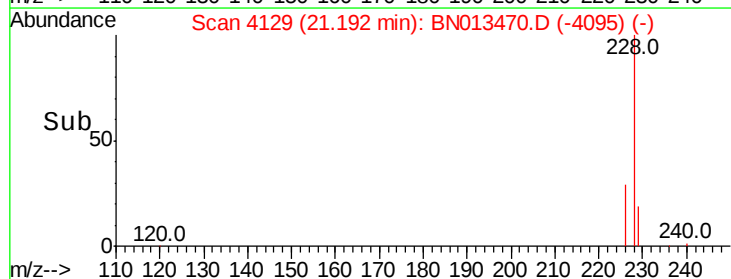
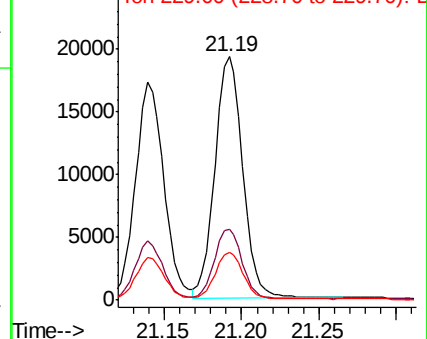


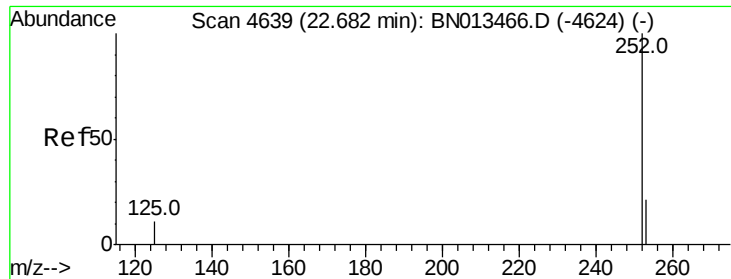
Abundance

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: 0.433 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

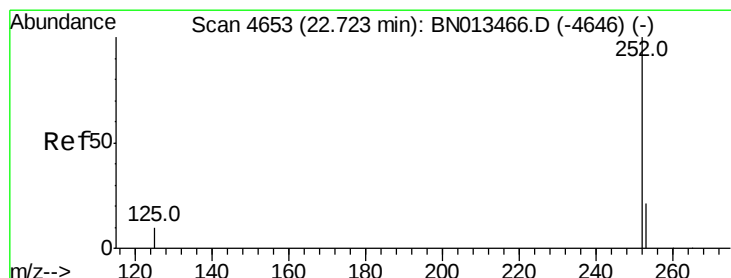
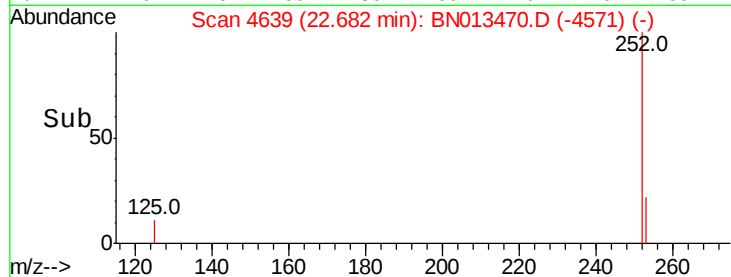
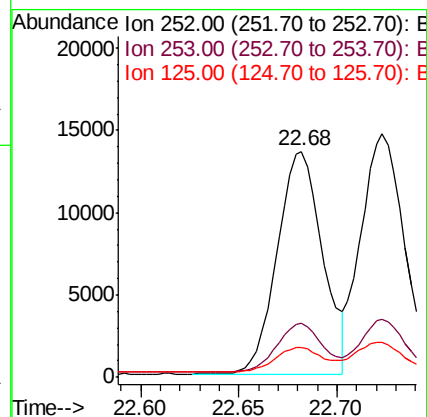
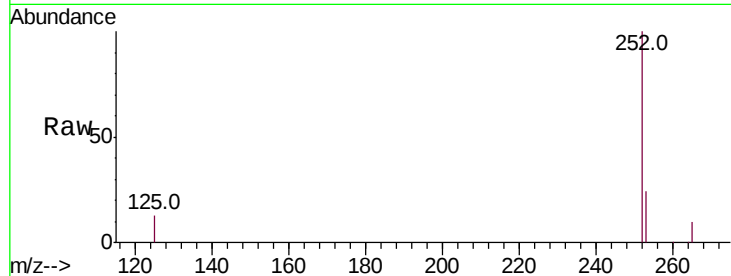
Tot Ion:252 Resp: 21778

Ion Ratio Lower Upper

252 100

253 23.8 0.0 46.6

125 13.5 0.0 27.2



#25

Benzo(k)fluoranthene

Concen: 0.424 ng/ul

RT: 22.72 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

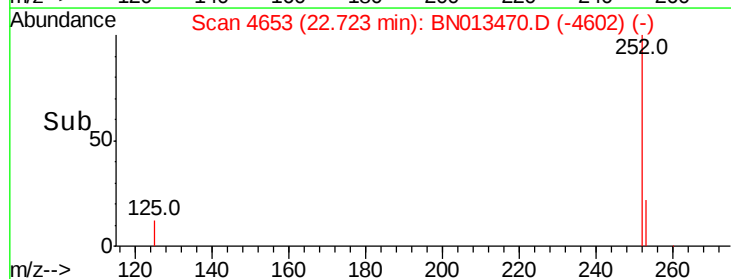
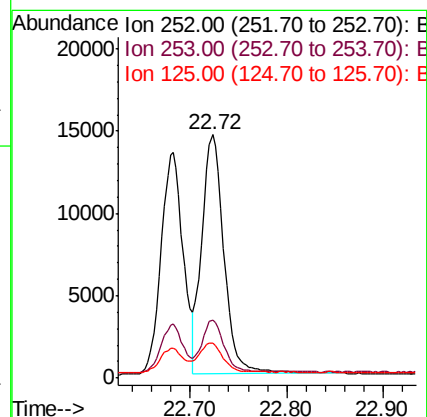
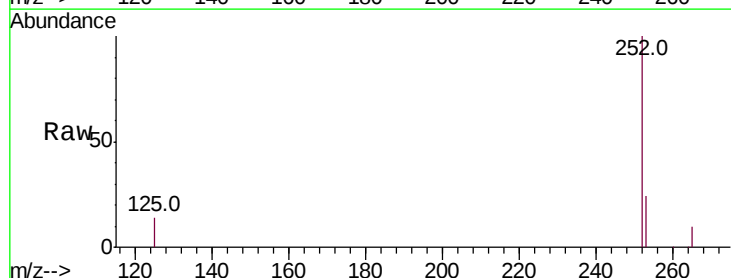
Tgt Ion:252 Resp: 23276

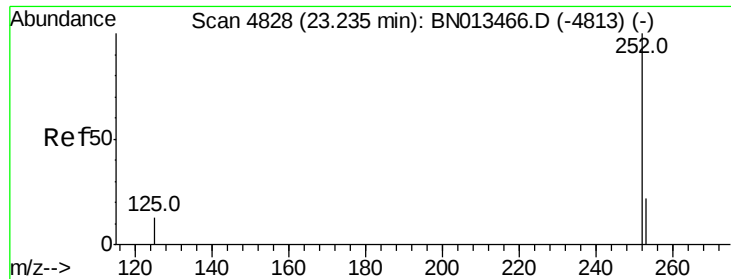
Ion Ratio Lower Upper

252 100

253 23.7 19.0 28.4

125 14.5 11.3 16.9





#26

Benzo(a)pyrene

Concen: 0.403 ng/ul

RT: 23.23 min Scan# 4827

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

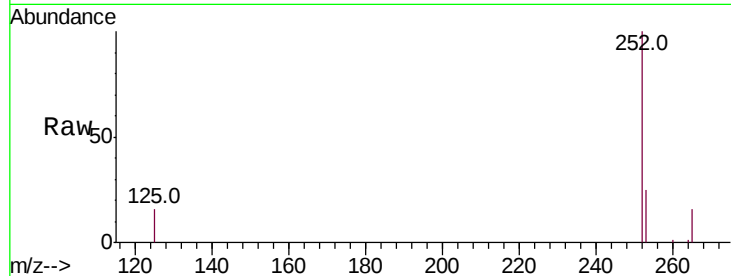
Tot Ion:252 Resp: 17768

Ion Ratio Lower Upper

252 100

253 25.2 19.8 29.8

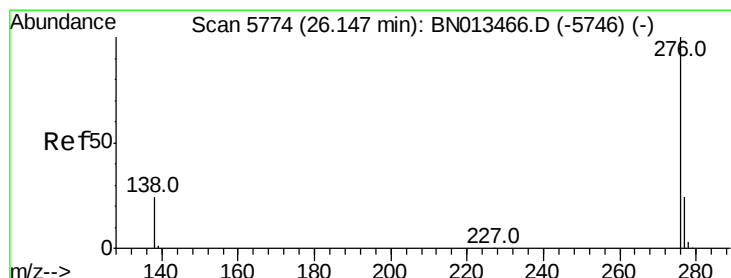
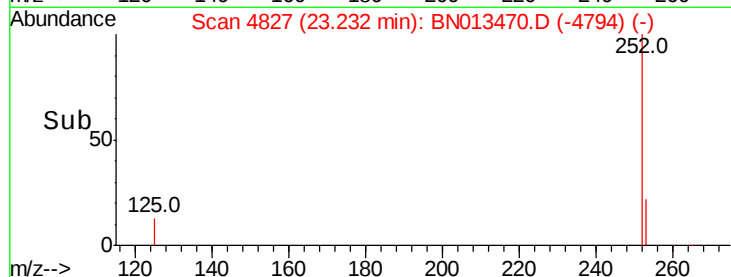
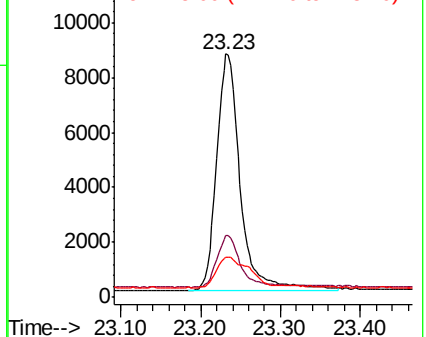
125 16.4 13.1 19.7



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: 0.422 ng/ul

RT: 25.48 min Scan# 5576

Delta R.T. -0.01 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

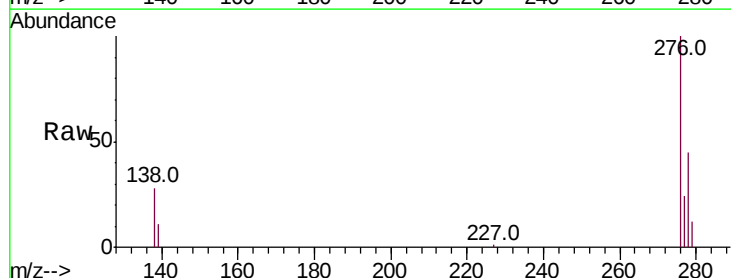
Tgt Ion:276 Resp: 24608

Ion Ratio Lower Upper

276 100

138 29.9 17.2 25.8#

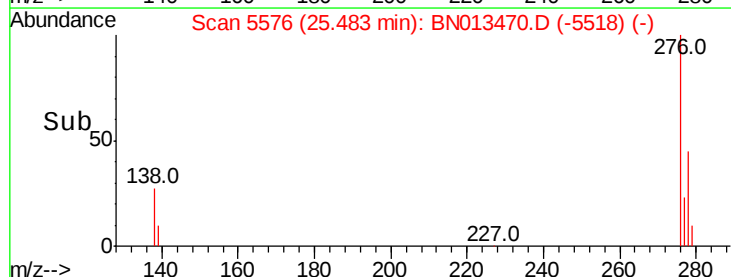
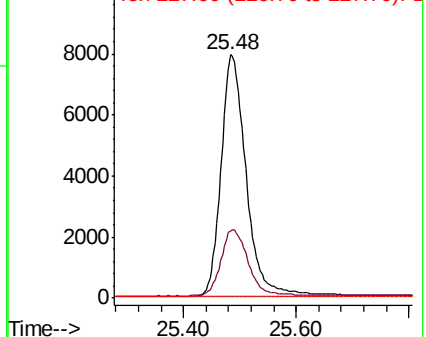
227 0.1 0.0 0.0#

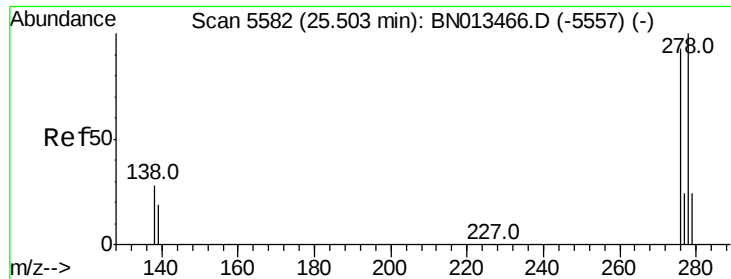


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.421 ng/ul

RT: 25.51 min Scan# 5583

Delta R.T. 0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

Instrument :

BNA_N

ClientSampleId :

SICV002

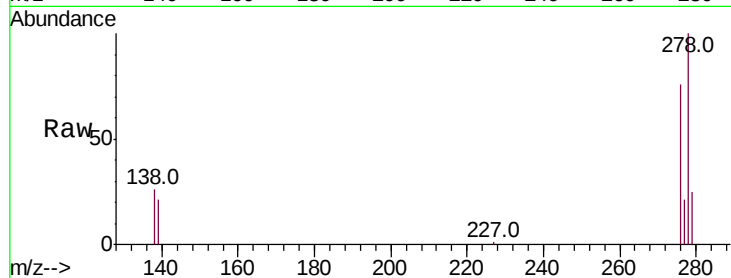
Tot Ion:278 Resp: 19925

Ion Ratio Lower Upper

278 100

139 20.7 16.2 24.2

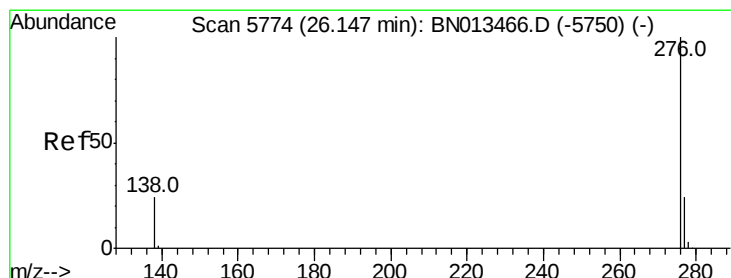
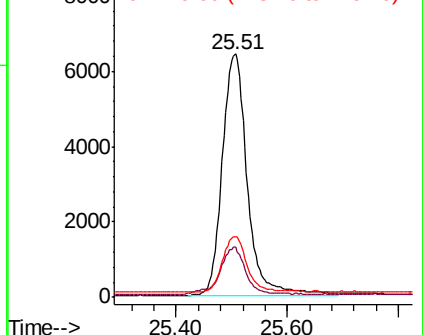
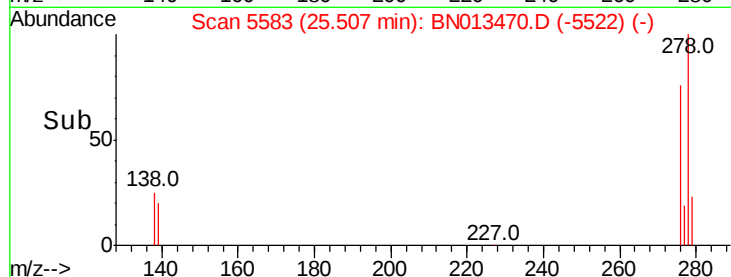
279 25.0 20.3 30.5



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: 0.426 ng/ul

RT: 26.15 min Scan# 5774

Delta R.T. -0.00 min

Lab File: BN013470.D

Acq: 23 Jan 2021 00:10

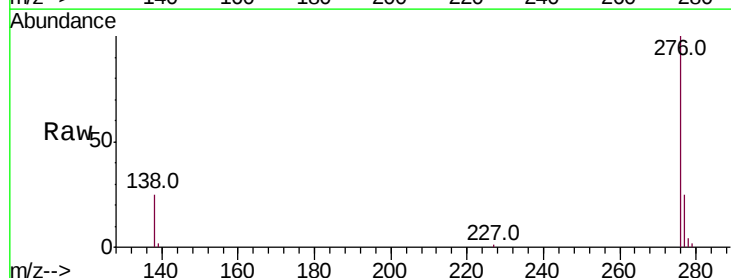
Tgt Ion:276 Resp: 20980

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.2

277 24.5 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

