

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012321\
 Data File : BN013464.D
 Acq On : 22 Jan 2021 20:35
 Operator : CG/JU
 Sample : SST00.103
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST00.1003

Quant Time: Jan 23 01:16:22 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

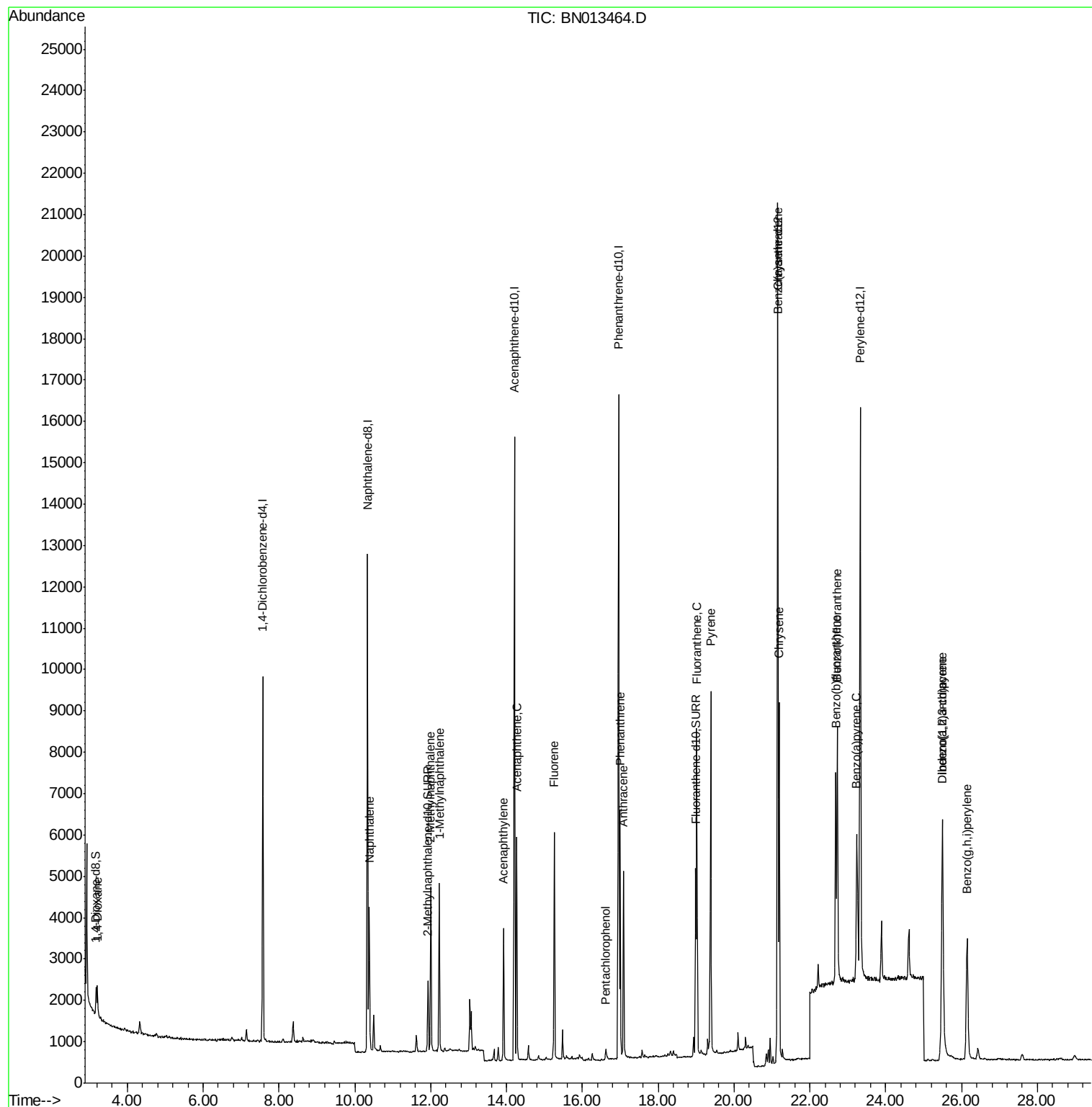
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4234	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	15769	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	8450	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	18366	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	17737	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	17432	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	501	0.10	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	2303	0.10	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	4932	0.09	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	478	0.089	ng/ul#	73
5) Naphthalene	10.38	128	4469	0.100	ng/ul	96
7) 2-Methylnaphthalene	12.01	142	2903	0.099	ng/ul	99
8) 1-Methylnaphthalene	12.23	142	2812	0.100	ng/ul	100
10) Acenaphthylene	13.92	152	3577	0.105	ng/ul	96
11) Acenaphthene	14.27	153	3052	0.102	ng/ul	98
12) Fluorene	15.26	166	3449	0.101	ng/ul	96
14) Pentachlorophenol	16.62	266	291	0.062	ng/ul	96
15) Phenanthrene	17.00	178	6249	0.111	ng/ul	97
16) Anthracene	17.08	178	4983	0.101	ng/ul	95
19) Fluoranthene	19.02	202	7146	0.102	ng/ul#	94
20) Pyrene	19.39	202	7671	0.110	ng/ul	98
21) Benzo(a)anthracene	21.14	228	6577	0.112	ng/ul	99
22) Chrysene	21.19	228	6865	0.109	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	6363	0.091	ng/ul	87
25) Benzo(k)fluoranthene	22.72	252	7304	0.108	ng/ul#	81
26) Benzo(a)pyrene	23.24	252	5922	0.102	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.49	276	7521	0.107	ng/ul#	74
28) Dibenzo(a,h)anthracene	25.51	278	6015	0.102	ng/ul	93
29) Benzo(a,h,i)perylene	26.14	276	6341	0.103	ng/ul	94

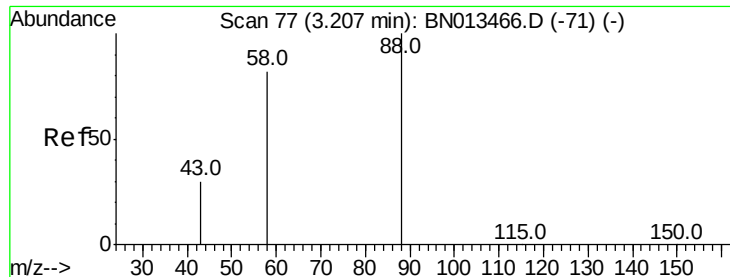
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.089 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

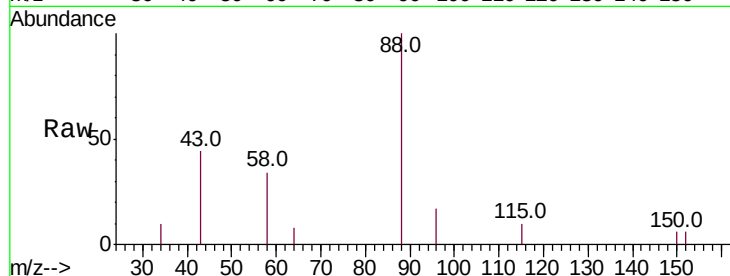
Tot Ion: 88 Resp: 478

Ion Ratio Lower Upper

88 100

43 43.8 26.9 40.3#

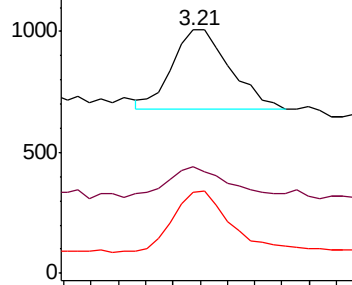
58 33.6 45.8 68.6#



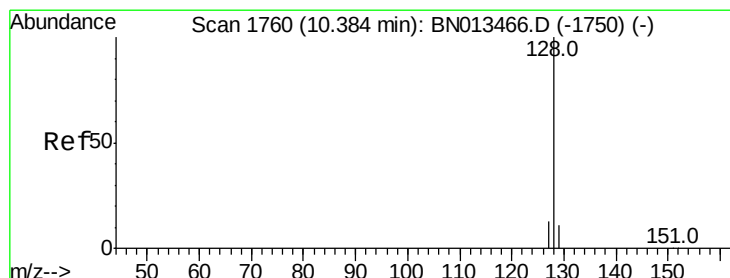
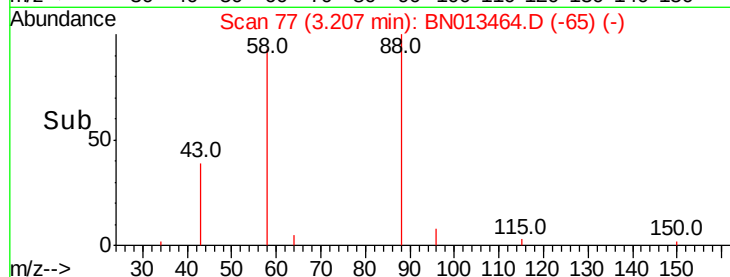
Abundance Ion 88.00 (87.70 to 88.70): BN013466.D (-71) (-)

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

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



Time-->



#5

Naphthalene

Concen: 0.100 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

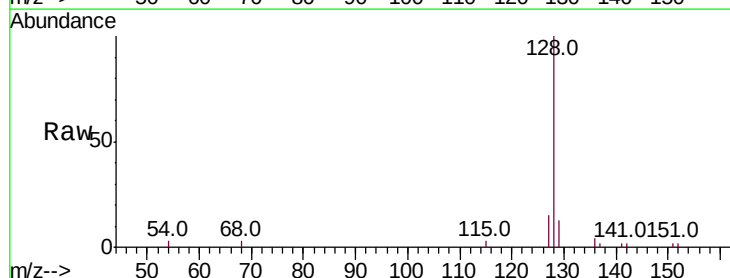
Tgt Ion: 128 Resp: 4469

Ion Ratio Lower Upper

128 100

129 12.9 9.2 13.8

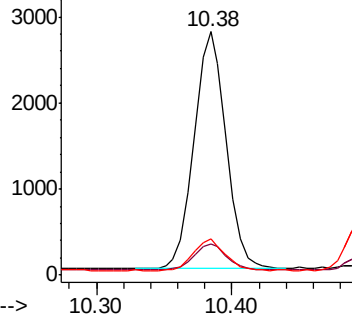
127 14.7 10.7 16.1



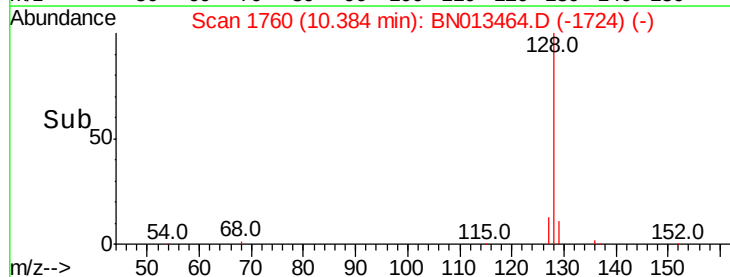
Abundance Ion 128.00 (127.70 to 128.70): BN013466.D (-1750) (-)

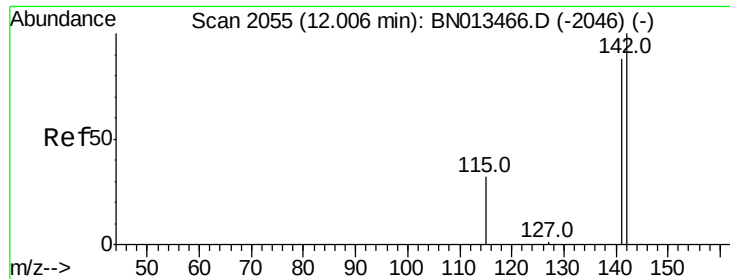
Ion 129.00 (128.70 to 129.70): BN013466.D (-1750) (-)

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



Time-->





#7

2-Methylnaphthalene

Concen: 0.099 ng/ul

RT: 12.01 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

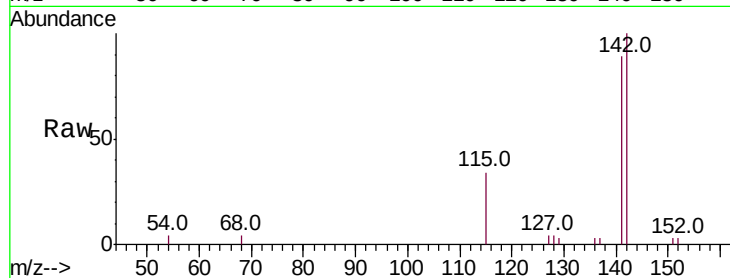
SSTD0.1003

Tot Ion:142 Resp: 2903

Ion Ratio Lower Upper

142 100

141 89.6 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

2000

1500

1000

500

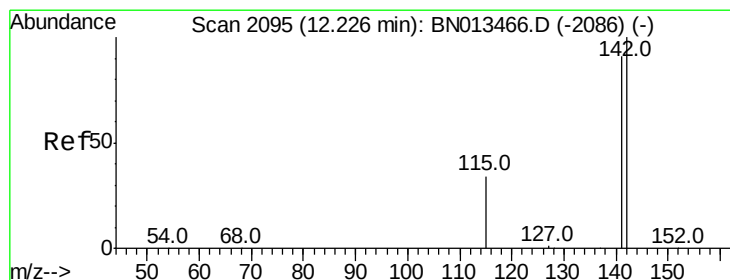
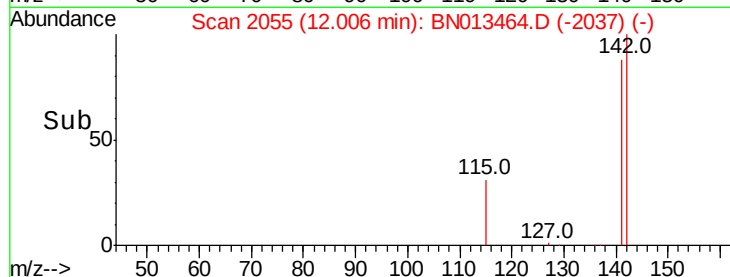
0

11.90

12.00

12.10

Time-->



#8

1-Methylnaphthalene

Concen: 0.100 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN013464.D

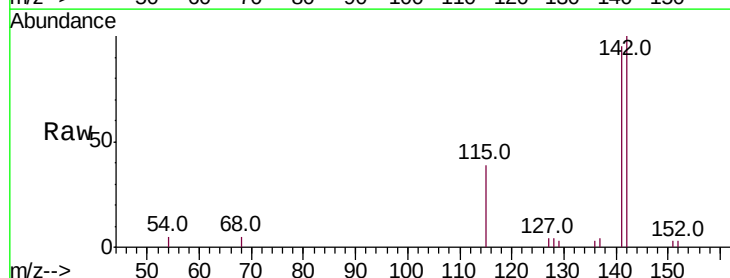
Acq: 22 Jan 2021 20:35

Tgt Ion:142 Resp: 2812

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

2000

1500

1000

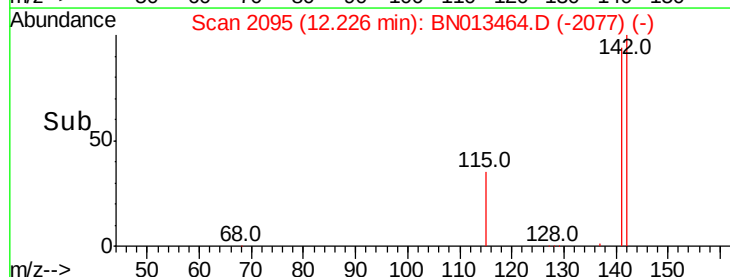
500

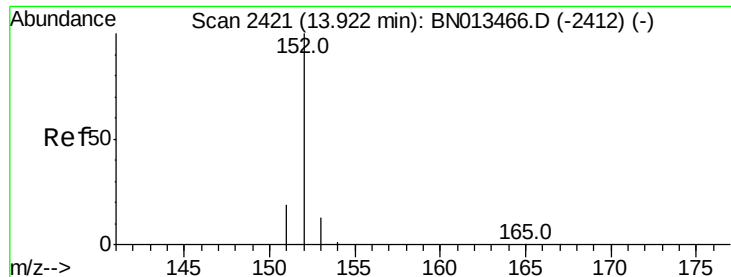
0

12.20

12.30

Time-->





#10

Acenaphthylene

Concen: 0.105 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

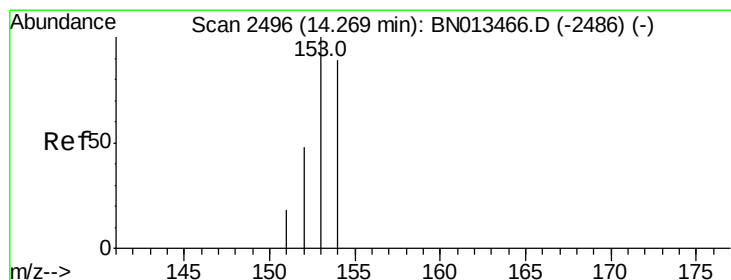
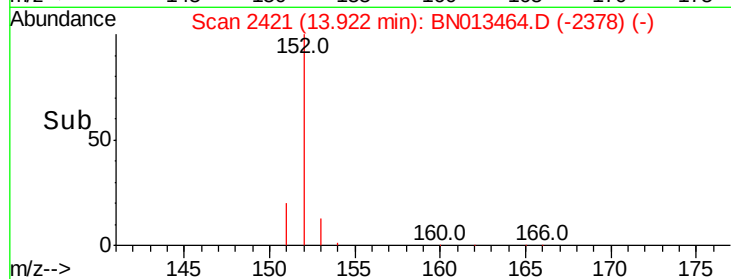
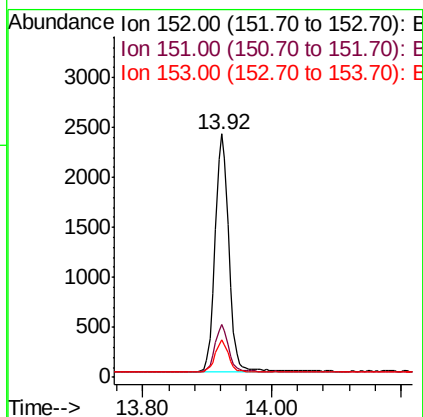
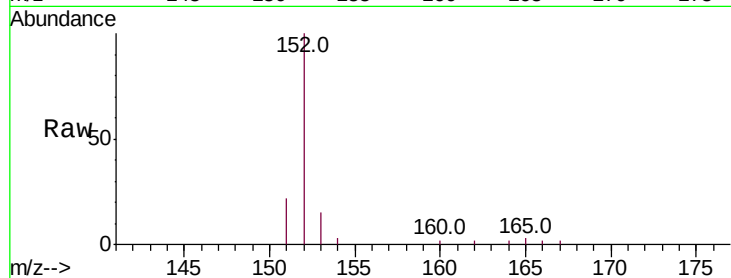
Tot Ion:152 Resp: 3577

Ion Ratio Lower Upper

152 100

151 21.6 15.8 23.6

153 15.3 10.7 16.1



#11

Acenaphthene

Concen: 0.102 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

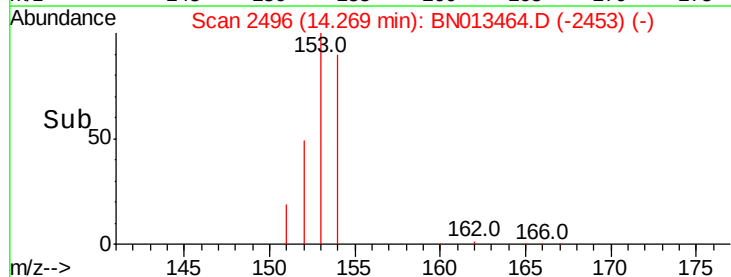
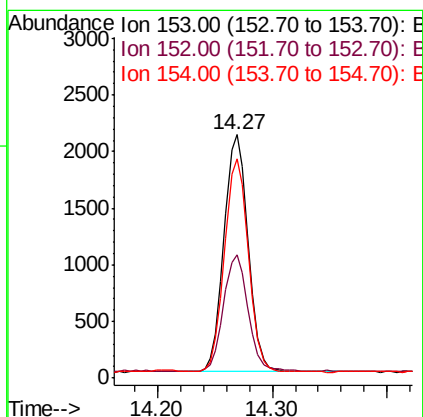
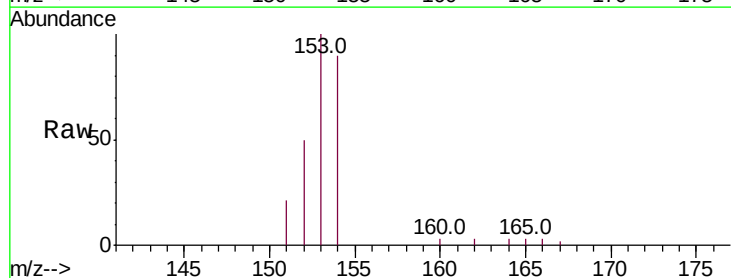
Tgt Ion:153 Resp: 3052

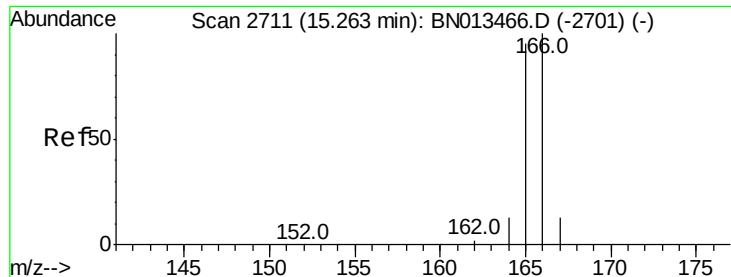
Ion Ratio Lower Upper

153 100

152 50.4 38.9 58.3

154 89.8 71.0 106.6





#12

Fluorene

Concen: 0.101 ng/ul

RT: 15.26 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

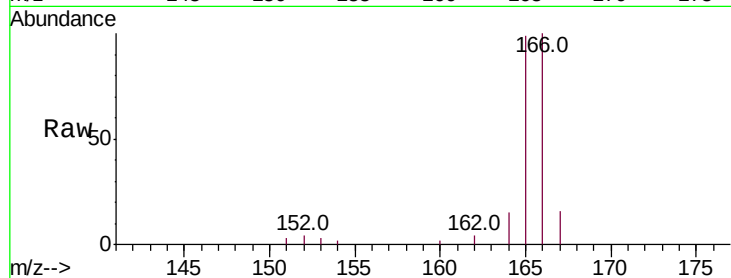
Tot Ion:166 Resp: 3449

Ion Ratio Lower Upper

166 100

165 99.4 76.1 114.1

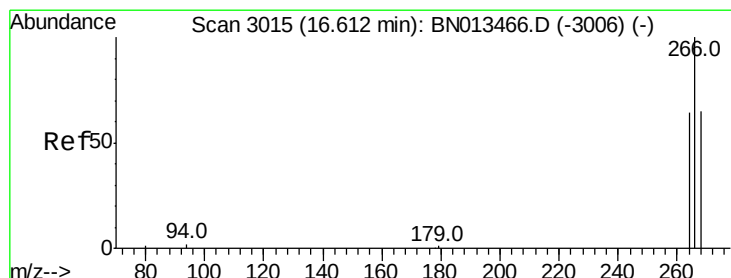
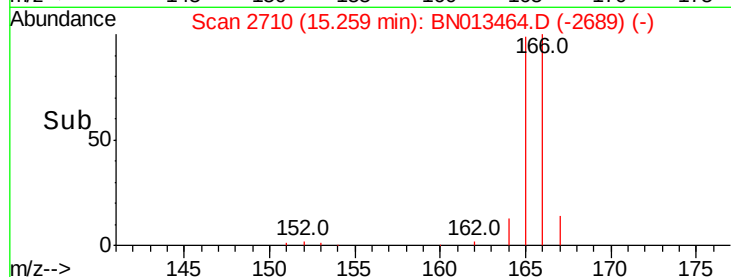
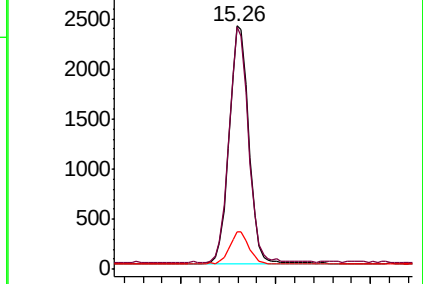
167 15.6 11.0 16.6



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: 0.062 ng/ul

RT: 16.62 min Scan# 3017

Delta R.T. 0.01 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

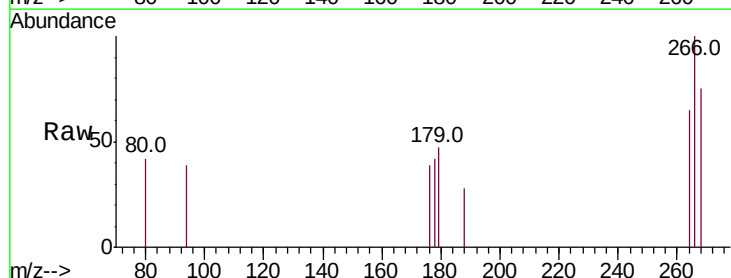
Tgt Ion:266 Resp: 291

Ion Ratio Lower Upper

266 100

264 60.5 50.0 75.0

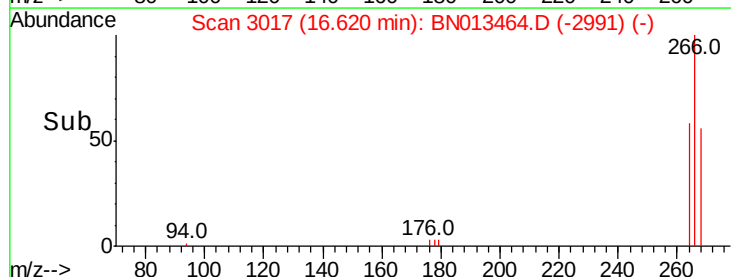
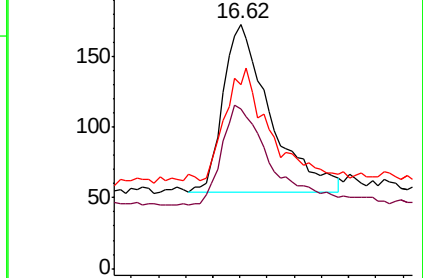
268 62.2 52.6 79.0

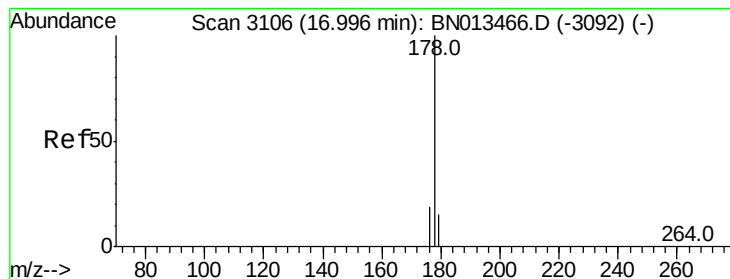


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

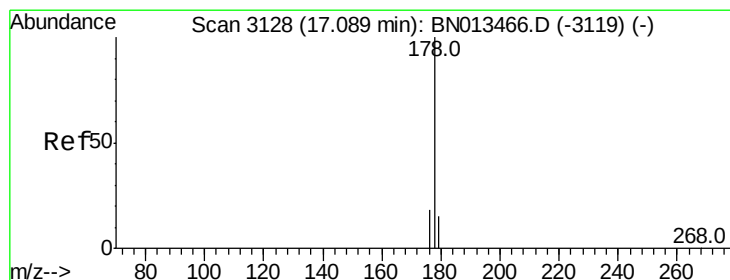
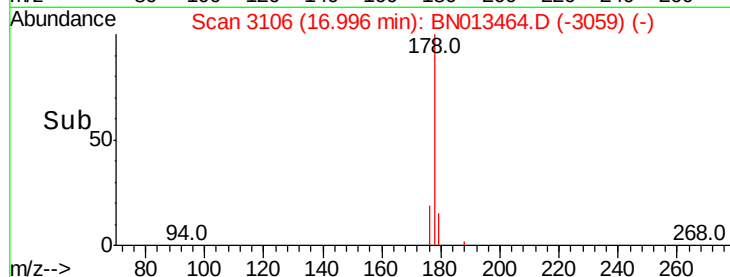
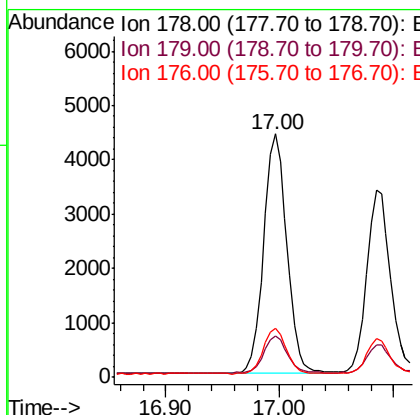
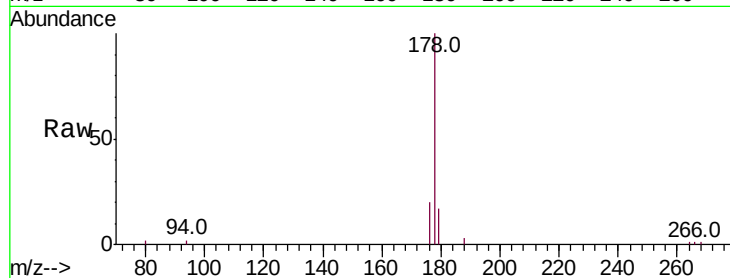




#15
Phenanthrene
Concen: 0.111 ng/ul
RT: 17.00 min Scan# 3106
Delta R.T. 0.00 min
Lab File: BN013464.D
Acq: 22 Jan 2021 20:35

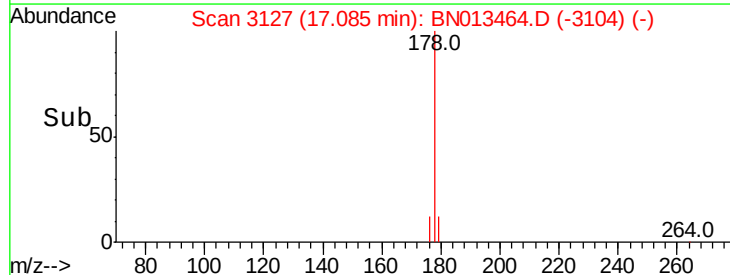
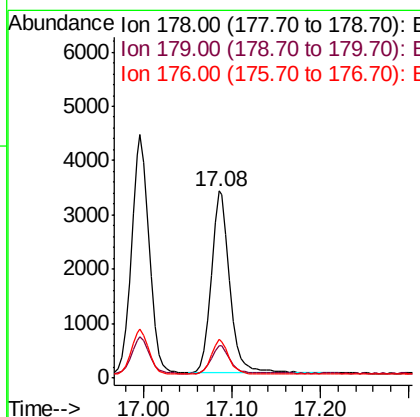
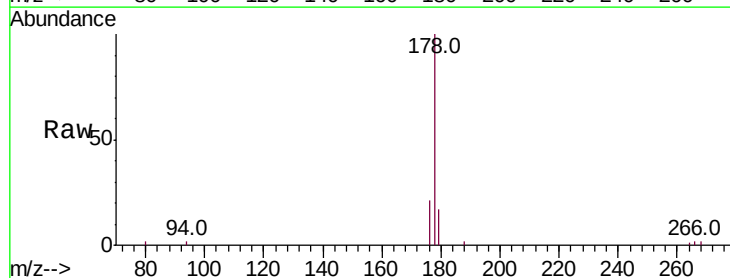
Instrument :
BNA_N
ClientSampleId :
SSTD0.1003

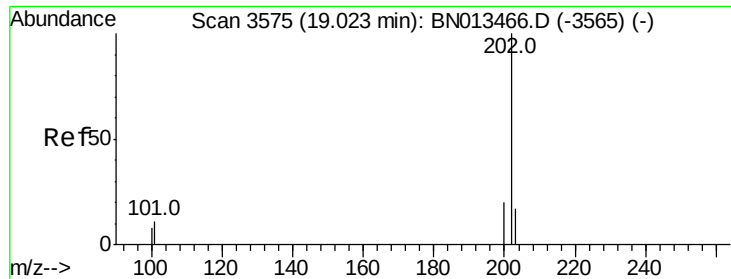
Tot Ion:178 Resp: 6249
Ion Ratio Lower Upper
178 100
179 16.7 12.3 18.5
176 20.2 15.4 23.0



#16
Anthracene
Concen: 0.101 ng/ul
RT: 17.08 min Scan# 3127
Delta R.T. -0.00 min
Lab File: BN013464.D
Acq: 22 Jan 2021 20:35

Tgt Ion:178 Resp: 4983
Ion Ratio Lower Upper
178 100
179 17.1 12.6 18.8
176 20.5 14.4 21.6





#19

Fluoranthene

Concen: 0.102 ng/ul

RT: 19.02 min Scan# 3574

Delta R.T. -0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

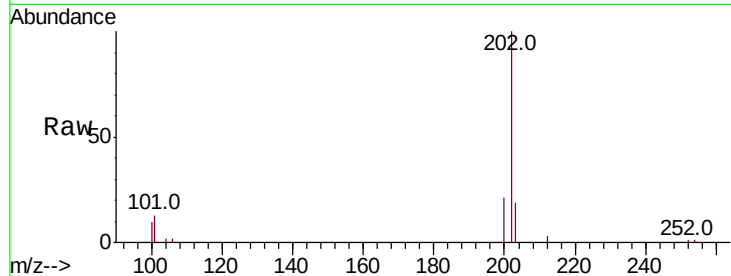
Tot Ion:202 Resp: 7146

Ion Ratio Lower Upper

202 100

101 13.2 8.9 13.3

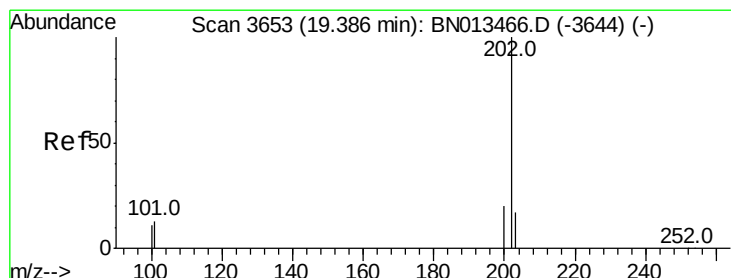
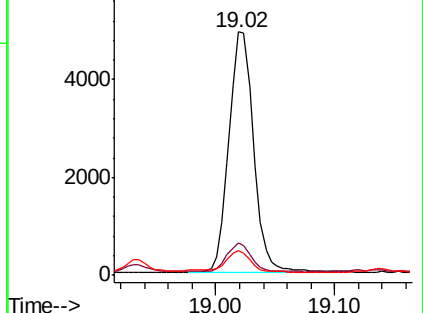
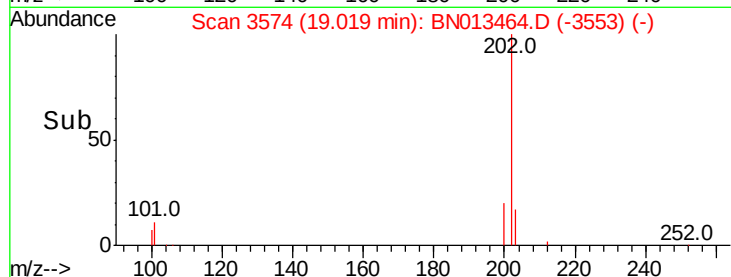
100 10.4 6.6 10.0#



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: 0.110 ng/ul

RT: 19.39 min Scan# 3653

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

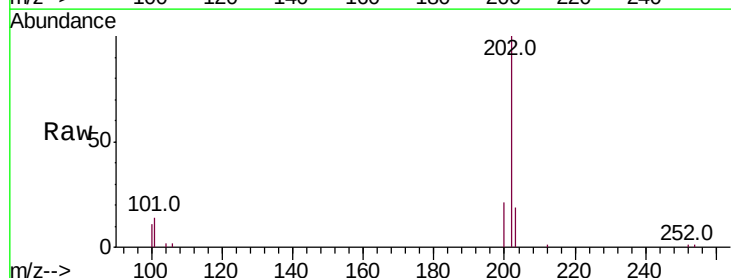
Tgt Ion:202 Resp: 7671

Ion Ratio Lower Upper

202 100

101 14.2 10.3 15.5

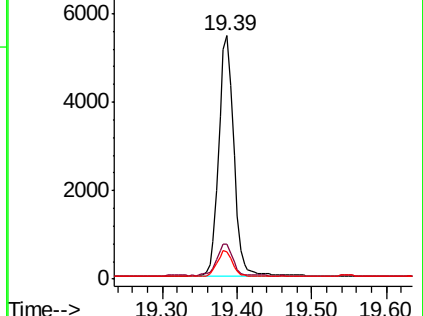
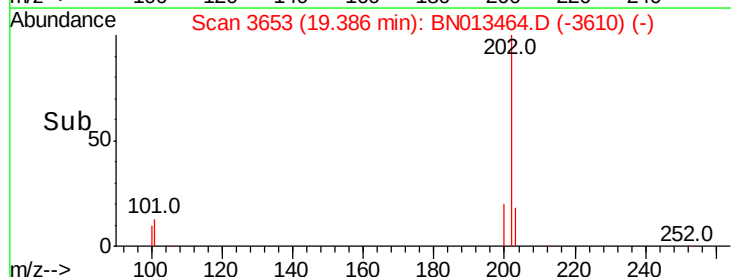
100 11.4 8.6 13.0

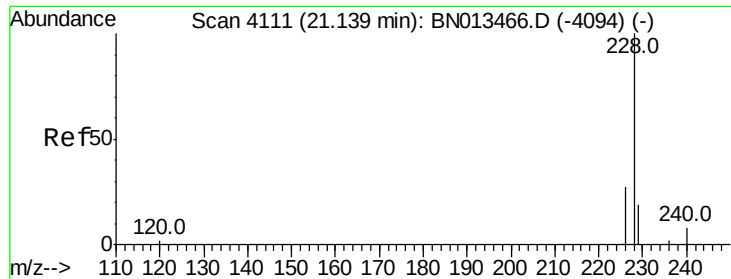


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.112 ng/ul

RT: 21.14 min Scan# 4111

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

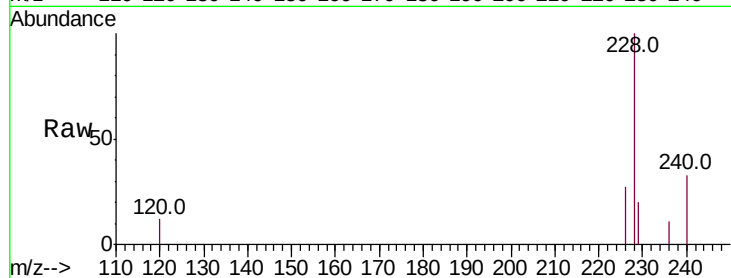
Tot Ion:228 Resp: 6577

Ion Ratio Lower Upper

228 100

229 19.9 15.5 23.3

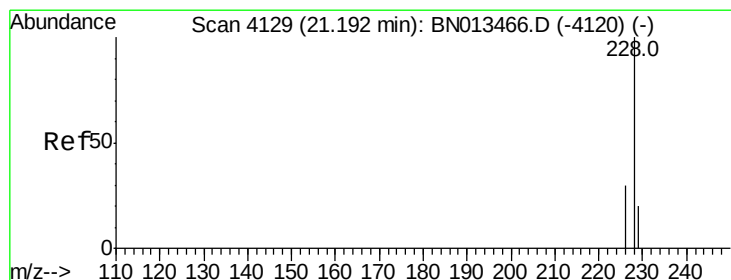
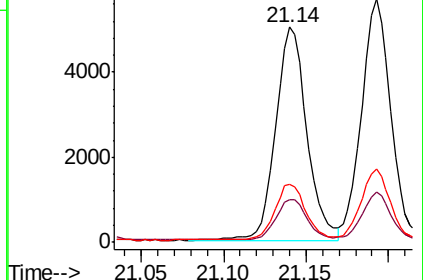
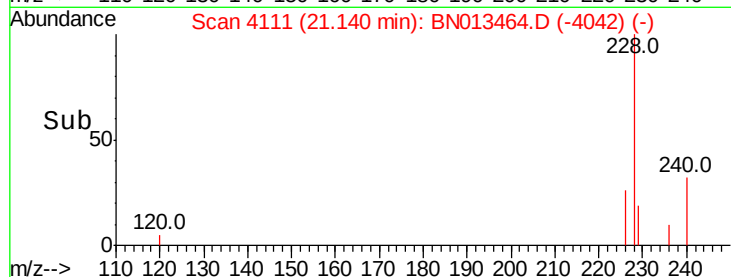
226 27.2 21.6 32.4



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: 0.109 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

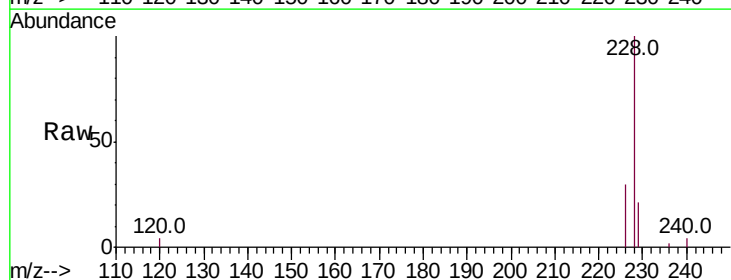
Tgt Ion:228 Resp: 6865

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

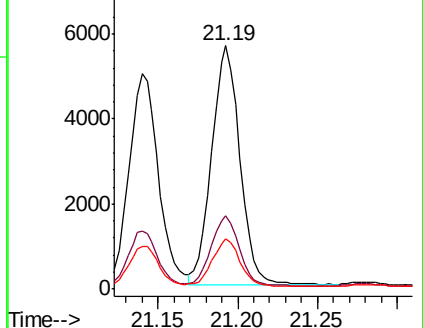
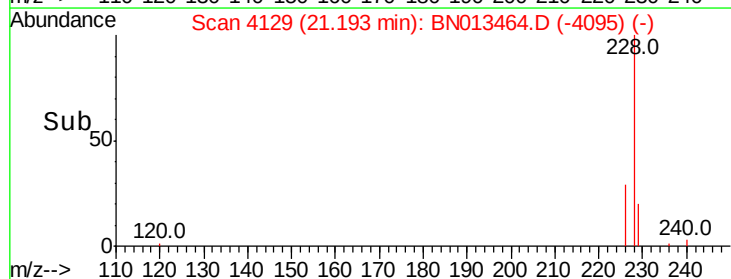
229 20.6 15.8 23.8

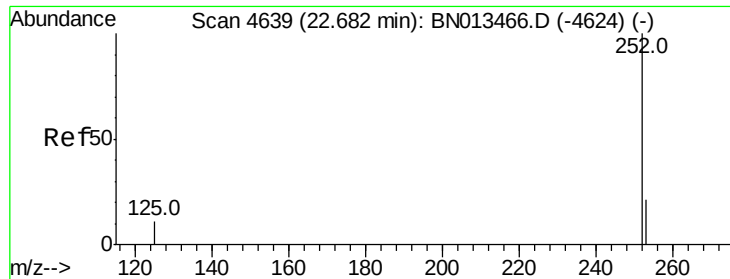


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.091 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

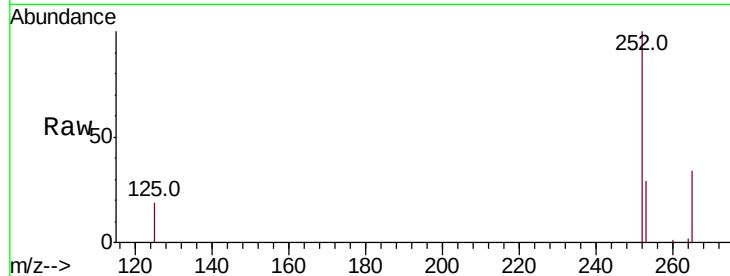
Tot Ion:252 Resp: 6363

Ion Ratio Lower Upper

252 100

253 29.0 0.0 46.6

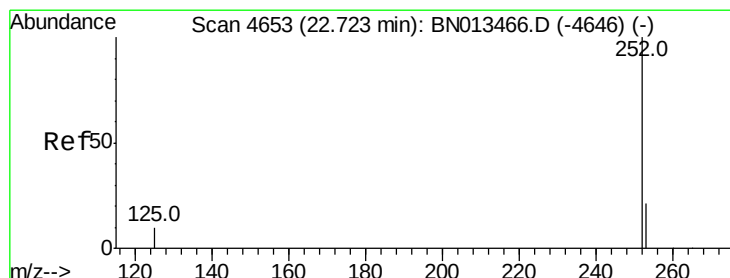
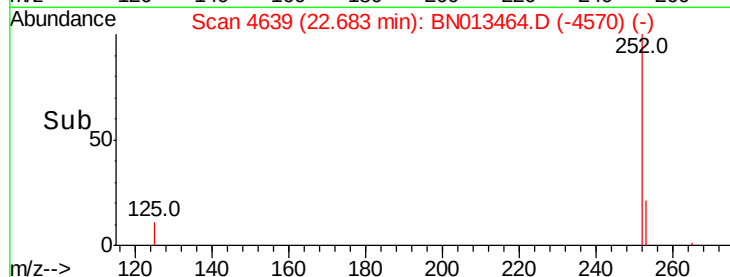
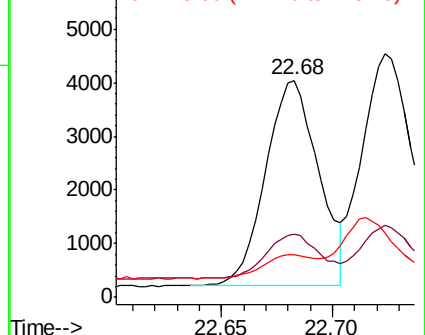
125 19.5 0.0 27.2



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: 0.108 ng/ul

RT: 22.72 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

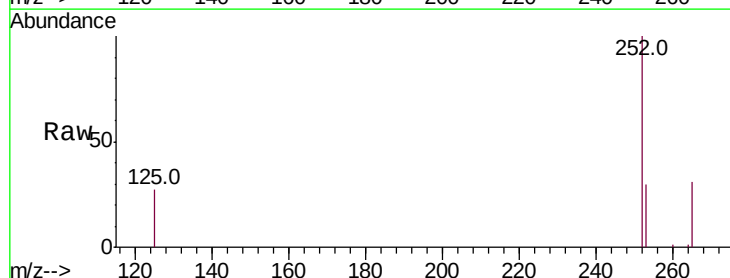
Tgt Ion:252 Resp: 7304

Ion Ratio Lower Upper

252 100

253 29.6 19.0 28.4#

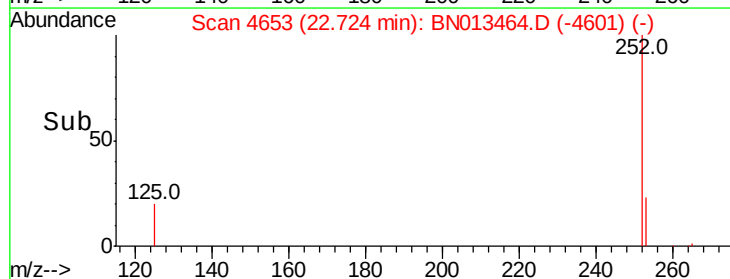
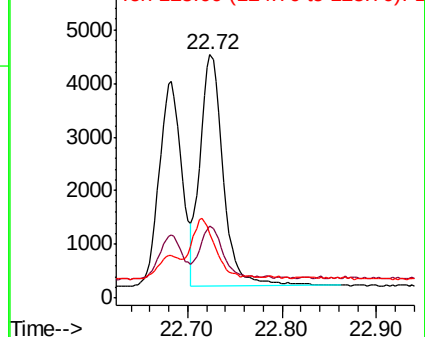
125 26.7 11.3 16.9#

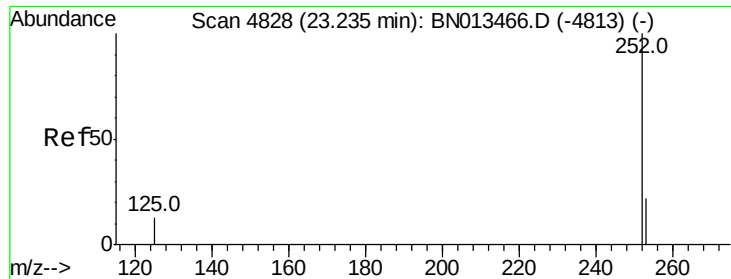


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.102 ng/ul

RT: 23.24 min Scan# 4828

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

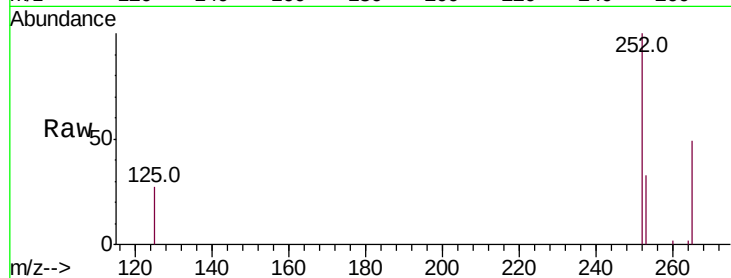
Tot Ion:252 Resp: 5922

Ion Ratio Lower Upper

252 100

253 33.1 19.8 29.8#

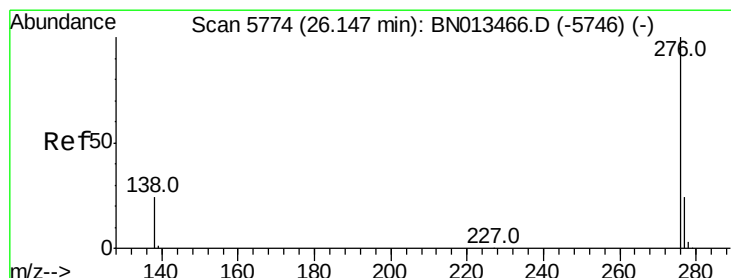
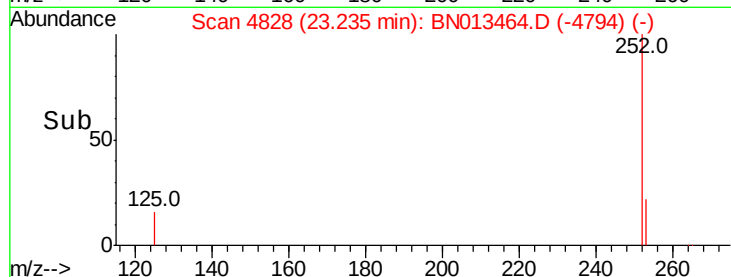
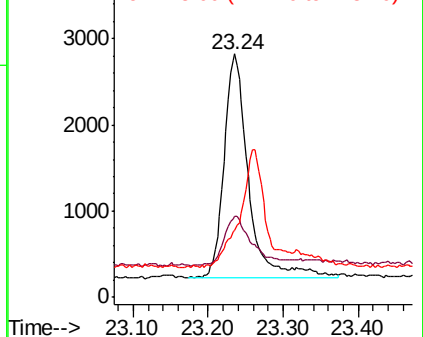
125 27.3 13.1 19.7#



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: 0.107 ng/ul

RT: 25.49 min Scan# 5577

Delta R.T. -0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

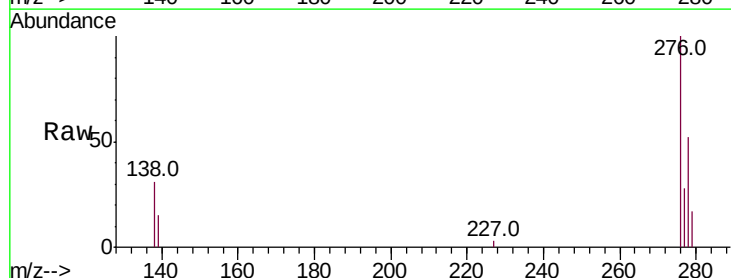
Tgt Ion:276 Resp: 7521

Ion Ratio Lower Upper

276 100

138 33.6 17.2 25.8#

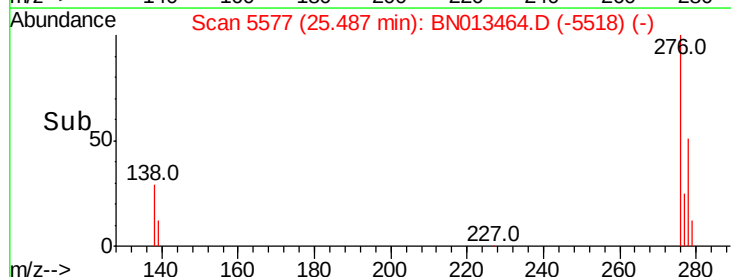
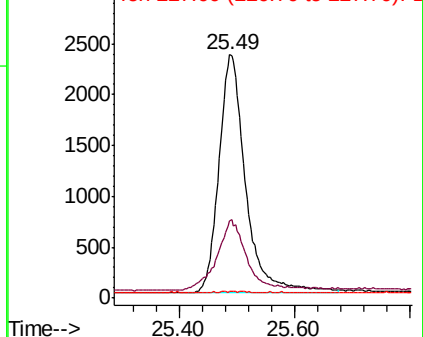
227 0.1 0.0 0.0#

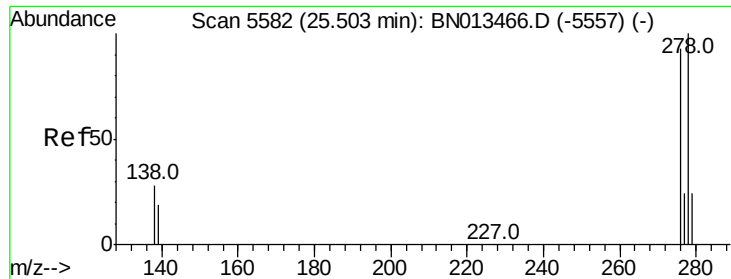


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.102 ng/ul

RT: 25.51 min Scan# 5583

Delta R.T. 0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.1003

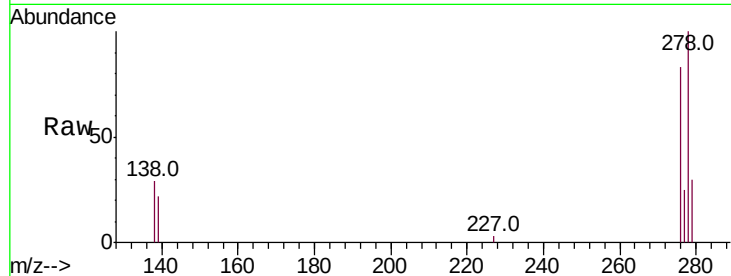
Tot Ion:278 Resp: 6015

Ion Ratio Lower Upper

278 100

139 22.0 16.2 24.2

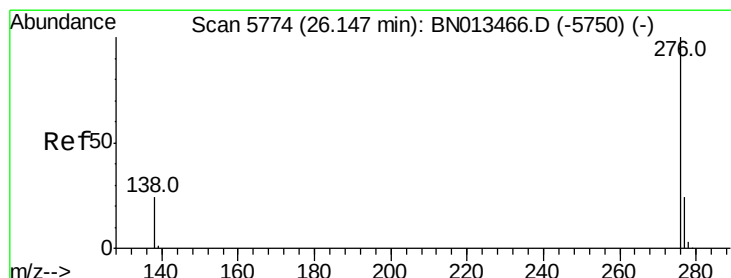
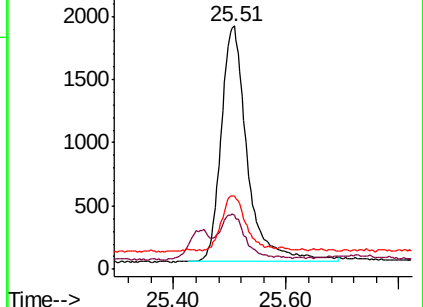
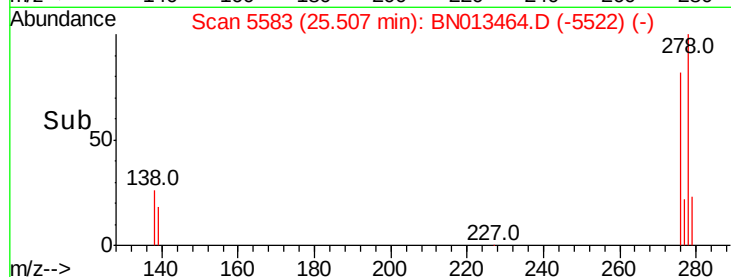
279 30.0 20.3 30.5



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: 0.103 ng/ul

RT: 26.14 min Scan# 5773

Delta R.T. -0.00 min

Lab File: BN013464.D

Acq: 22 Jan 2021 20:35

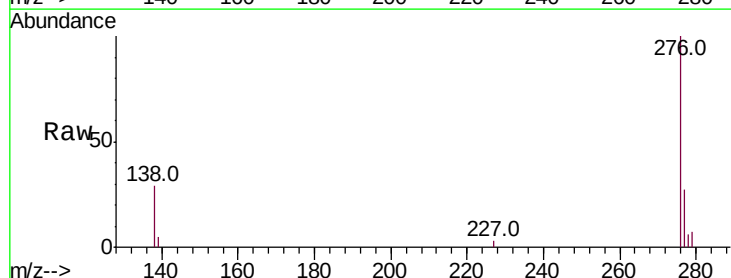
Tgt Ion:276 Resp: 6341

Ion Ratio Lower Upper

276 100

138 29.2 20.2 30.2

277 26.7 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

