

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012321\
 Data File : BN013467.D
 Acq On : 22 Jan 2021 22:22
 Operator : CG/JU
 Sample : SST00.806
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST00.8006

Quant Time: Jan 23 01:16:50 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

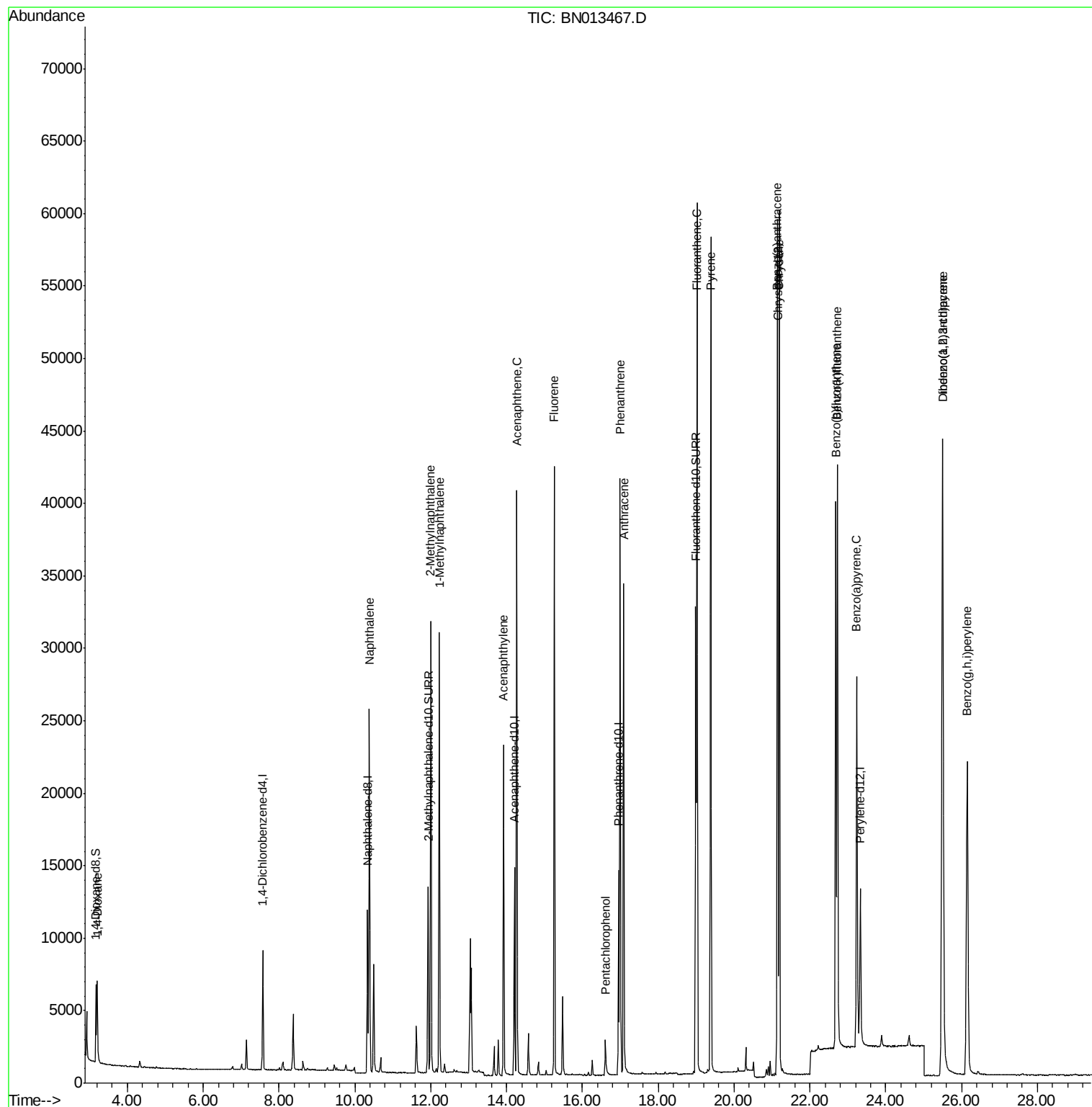
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3991	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	14755	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	7740	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	16394	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	16469	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	13889	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	3377	0.75	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	17534	0.78	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	35140	0.72	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	3412	0.676	ng/ul	91
5) Naphthalene	10.38	128	33840	0.812	ng/ul	99
7) 2-Methylnaphthalene	12.00	142	21986	0.800	ng/ul	100
8) 1-Methylnaphthalene	12.23	142	21132	0.805	ng/ul	100
10) Acenaphthylene	13.92	152	26305	0.841	ng/ul	100
11) Acenaphthene	14.27	153	22800	0.830	ng/ul	99
12) Fluorene	15.26	166	25694	0.823	ng/ul	98
14) Pentachlorophenol	16.61	266	1958	0.471	ng/ul	98
15) Phenanthrene	16.99	178	43009	0.855	ng/ul	99
16) Anthracene	17.09	178	36349	0.824	ng/ul	100
19) Fluoranthene	19.02	202	49057	0.758	ng/ul	100
20) Pyrene	19.38	202	48771	0.755	ng/ul	99
21) Benzo(a)anthracene	21.14	228	46468	0.856	ng/ul	99
22) Chrysene	21.19	228	49094	0.839	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	45844	0.821	ng/ul	98
25) Benzo(k)fluoranthene	22.73	252	48609	0.906	ng/ul	98
26) Benzo(a)pyrene	23.23	252	38369	0.831	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.49	276	52477	0.937	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.51	278	42893	0.914	ng/ul	98
29) Benzo(g,h,i)perylene	26.15	276	44131	0.904	ng/ul	99

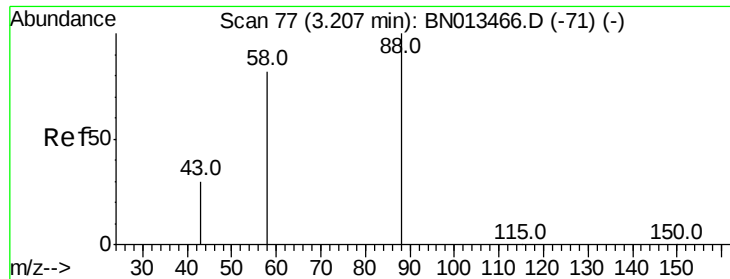
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.676 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.8006

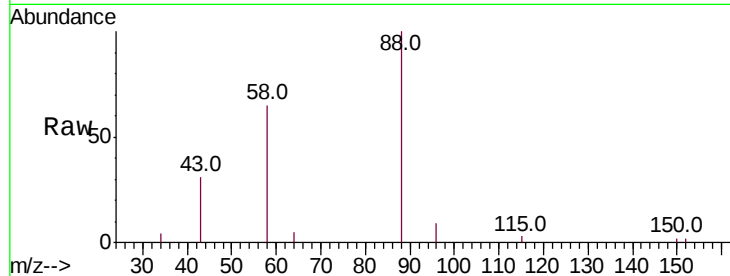
Tot Ion: 88 Resp: 3412

Ion Ratio Lower Upper

88 100

43 30.7 26.9 40.3

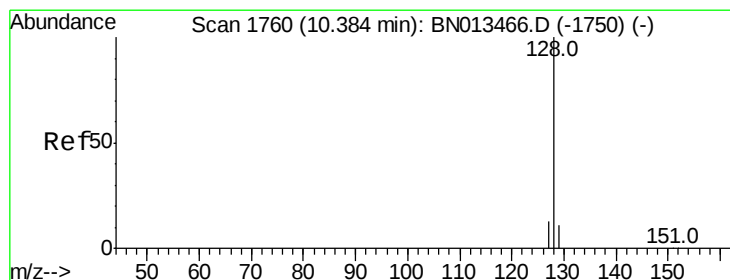
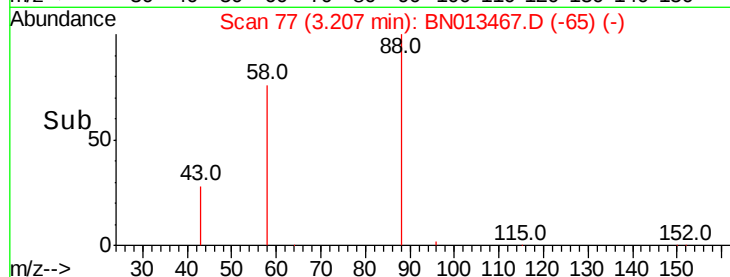
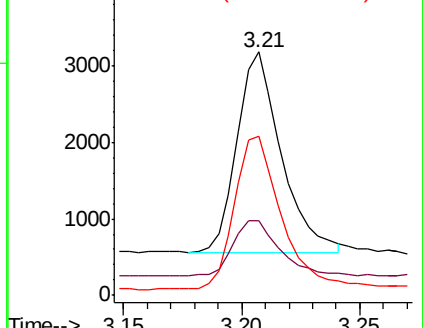
58 65.3 45.8 68.6



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: 0.812 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

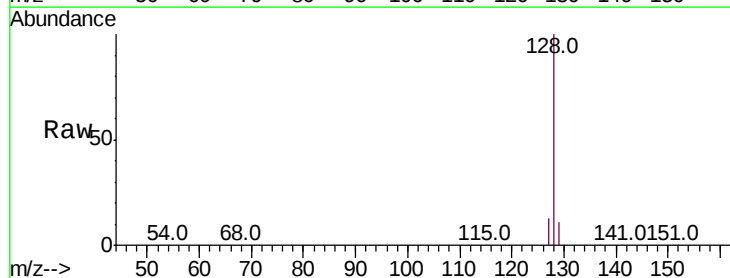
Tgt Ion: 128 Resp: 33840

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

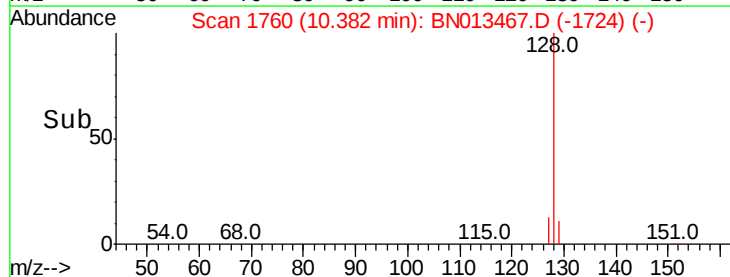
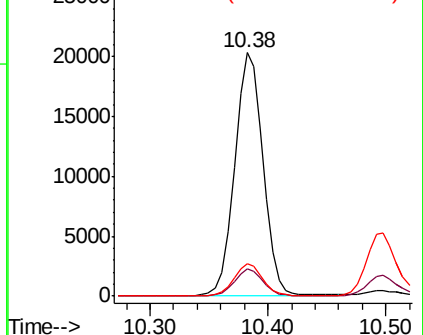
127 13.1 10.7 16.1

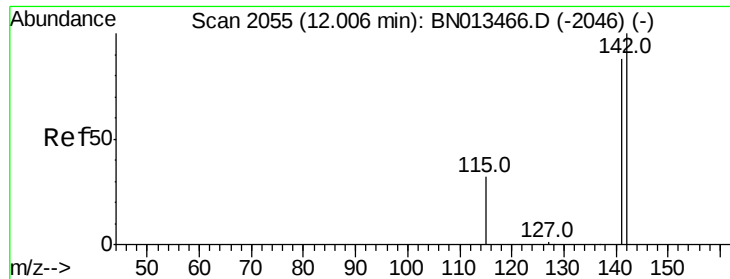


Abundance Ion 128.00 (127.70 to 128.70): BN013466.D (-1750) (-)

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: 0.800 ng/ul

RT: 12.00 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

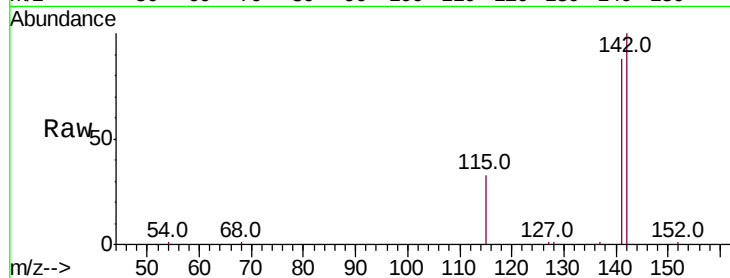
SSTD0.8006

Tot Ion:142 Resp: 21986

Ion Ratio Lower Upper

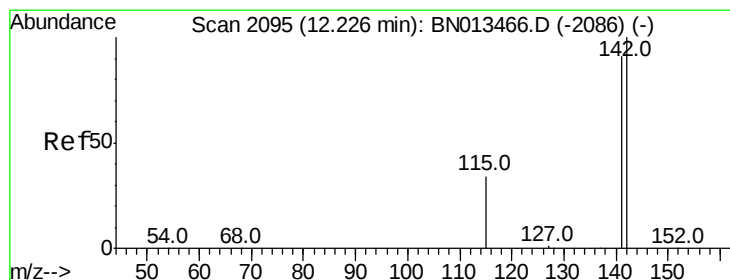
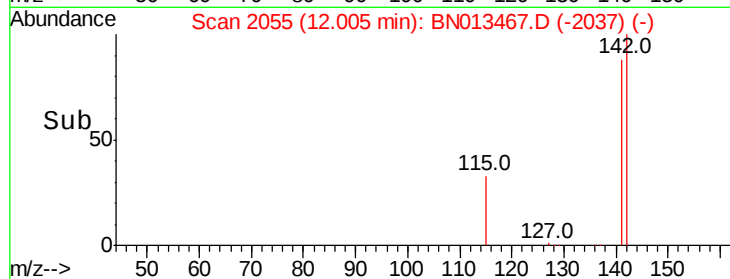
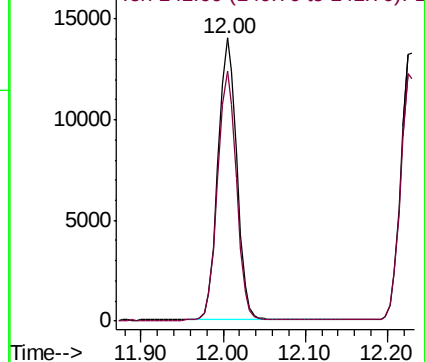
142 100

141 88.8 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: 0.805 ng/ul

RT: 12.23 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BN013467.D

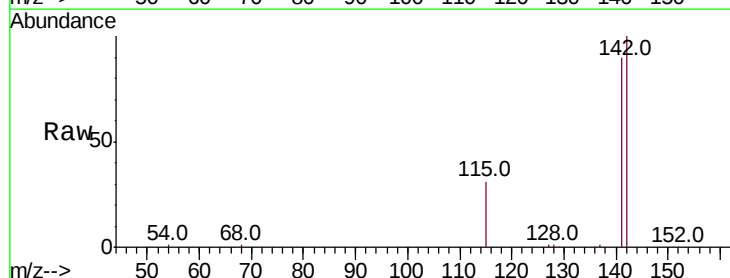
Acq: 22 Jan 2021 22:22

Tgt Ion:142 Resp: 21132

Ion Ratio Lower Upper

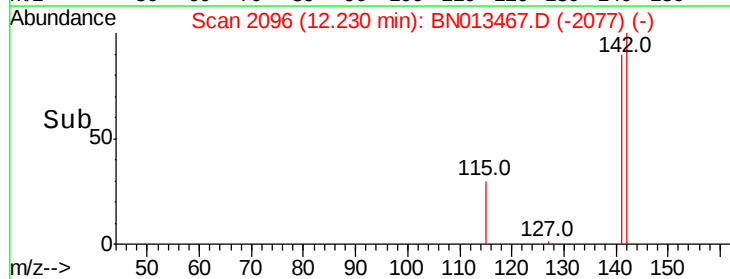
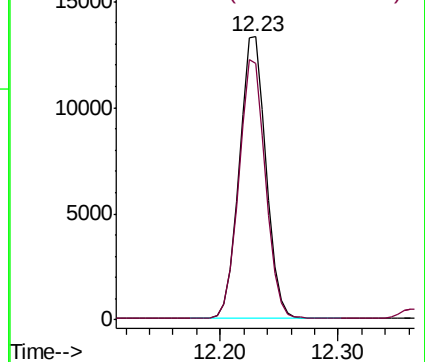
142 100

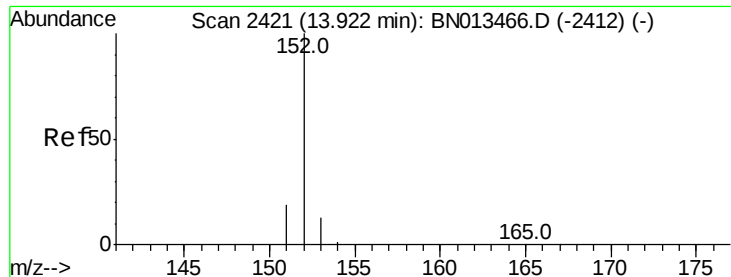
141 91.5 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.841 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

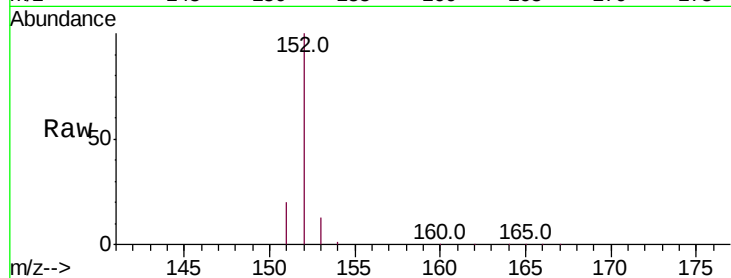
BNA_N

ClientSampleId :

SSTD0.8006

Tot Ion:152 Resp: 26305

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.3	10.7	16.1

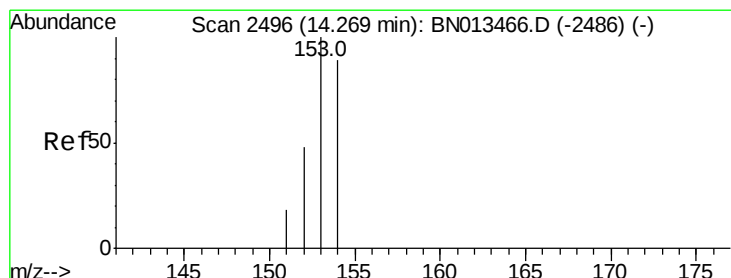
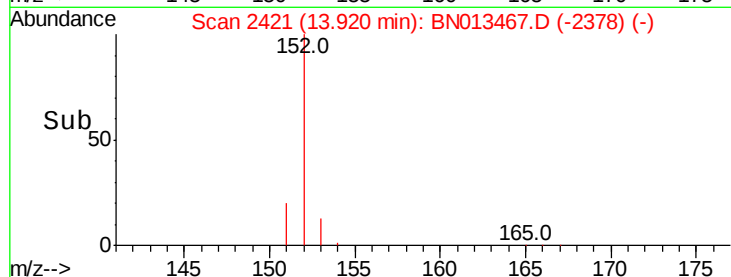
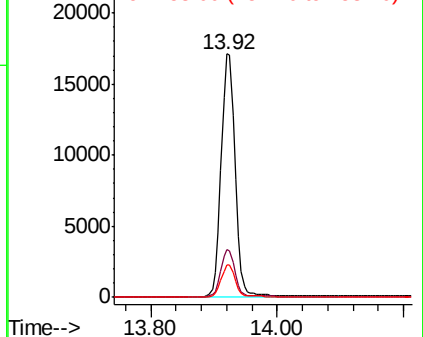


Abundance

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: 0.830 ng/ul

RT: 14.27 min Scan# 2496

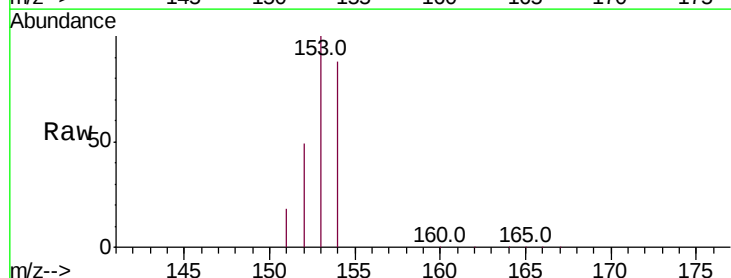
Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Tgt Ion:153 Resp: 22800

Ion	Ratio	Lower	Upper
153	100		
152	48.6	38.9	58.3
154	87.7	71.0	106.6

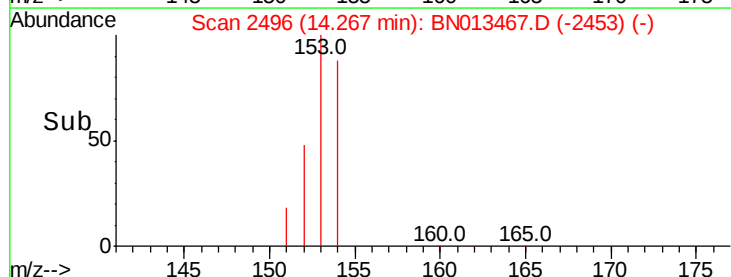
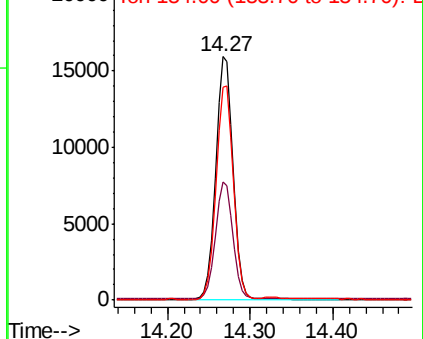


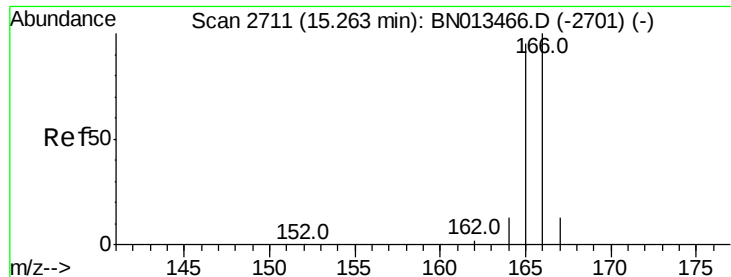
Abundance

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: 0.823 ng/ul

RT: 15.26 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.8006

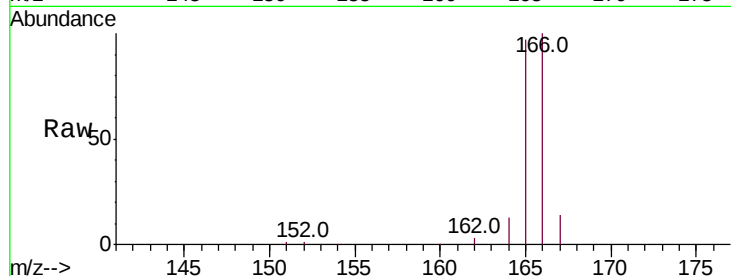
Tot Ion:166 Resp: 25694

Ion Ratio Lower Upper

166 100

165 96.9 76.1 114.1

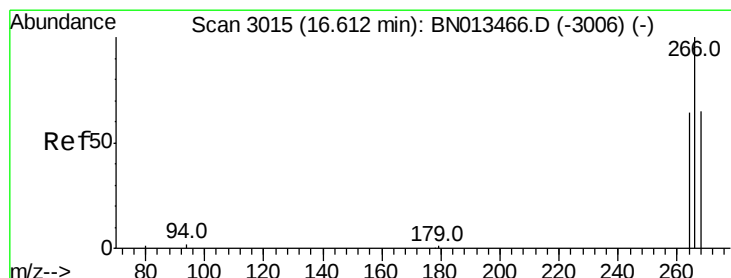
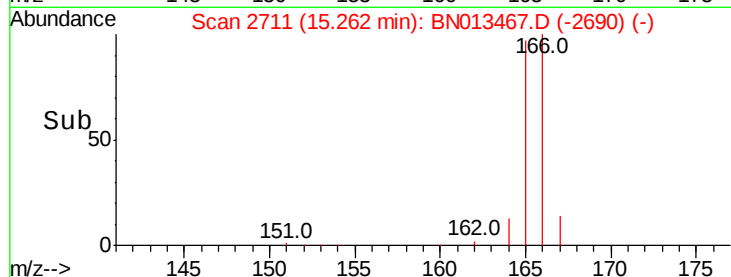
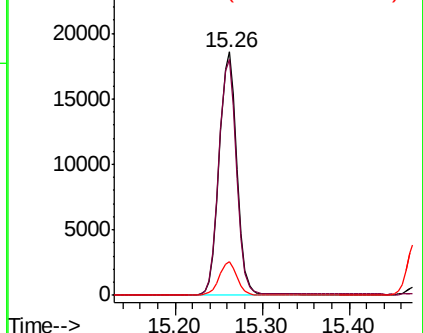
167 14.0 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

25000 Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14

Pentachlorophenol

Concen: 0.471 ng/ul

RT: 16.61 min Scan# 3015

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

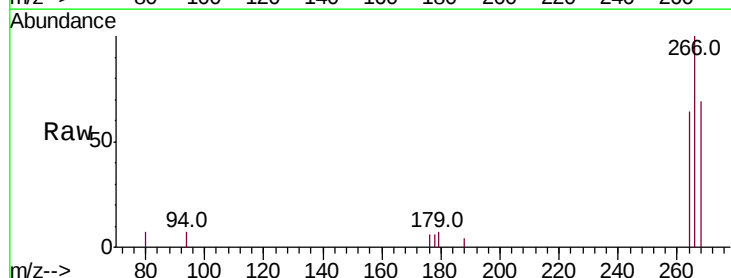
Tgt Ion:266 Resp: 1958

Ion Ratio Lower Upper

266 100

264 62.0 50.0 75.0

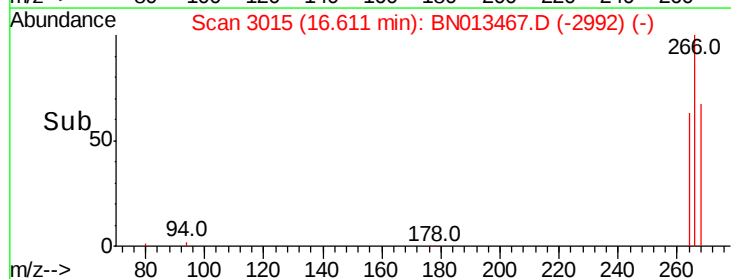
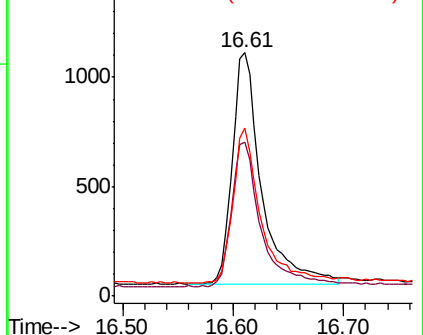
268 63.4 52.6 79.0

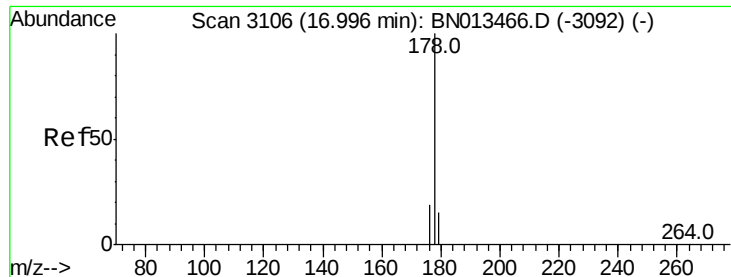


Abundance Ion 266.00 (265.70 to 266.70): E

1500 Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.855 ng/ul

RT: 16.99 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

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ClientSampleId :

SSTD0.8006

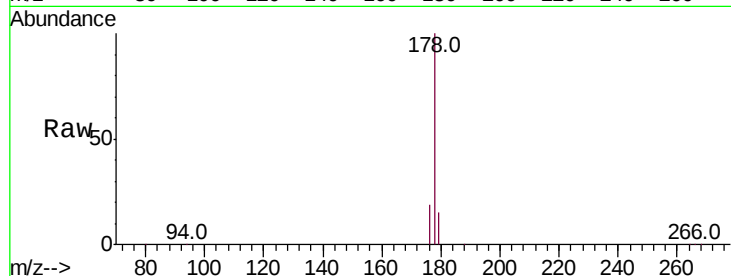
Tot Ion:178 Resp: 43009

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

176 18.9 15.4 23.0

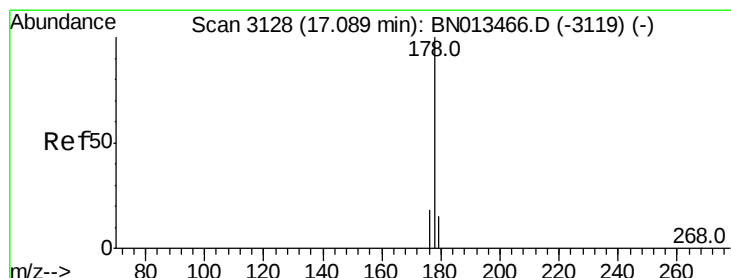
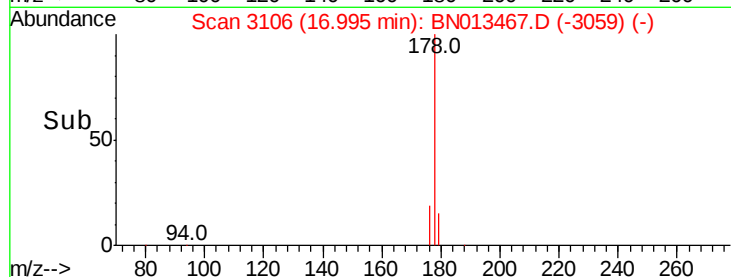
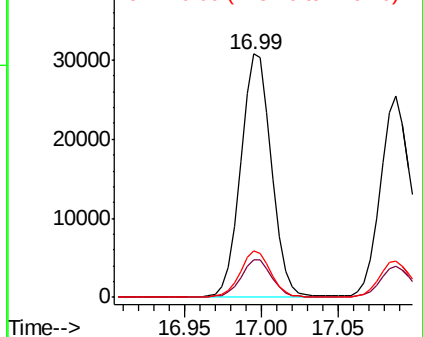


Abundance

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: 0.824 ng/ul

RT: 17.09 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

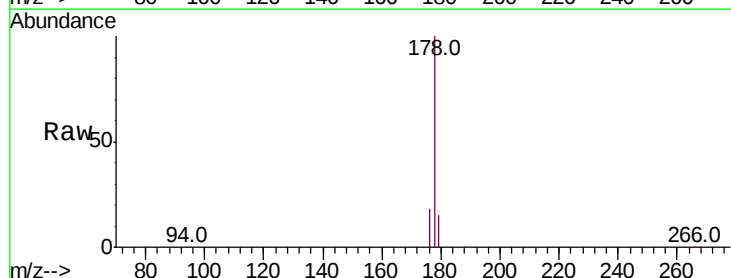
Tgt Ion:178 Resp: 36349

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.0 14.4 21.6

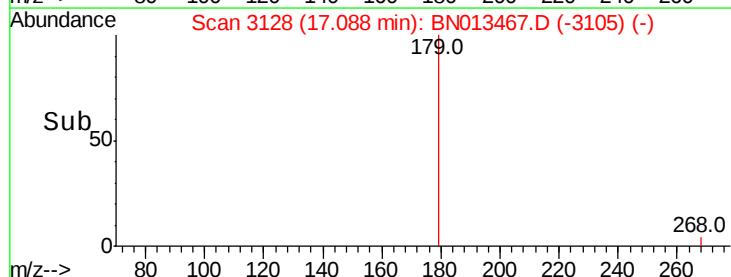
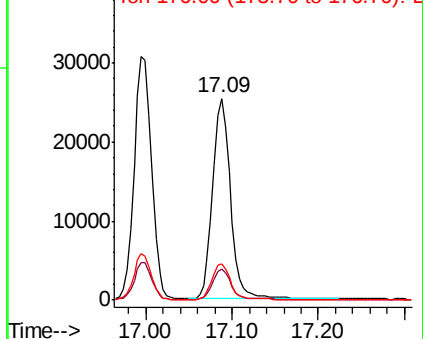


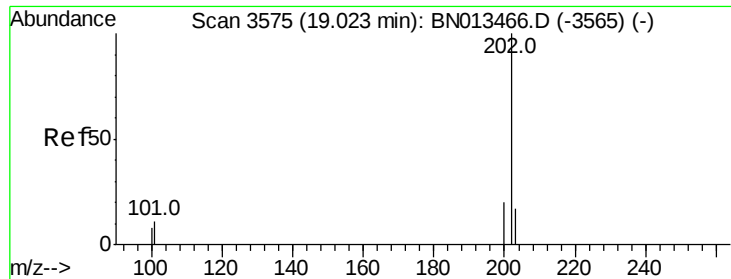
Abundance

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: 0.758 ng/ul

RT: 19.02 min Scan# 3575

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

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SSTD0.8006

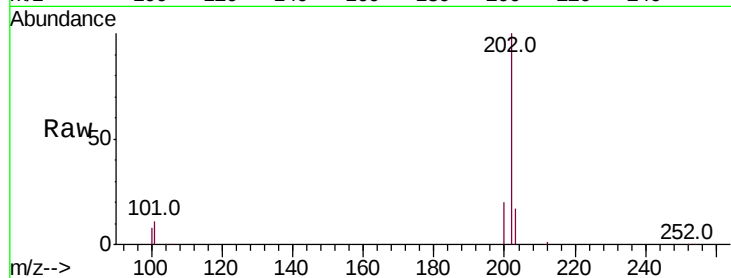
Tot Ion:202 Resp: 49057

Ion Ratio Lower Upper

202 100

101 11.2 8.9 13.3

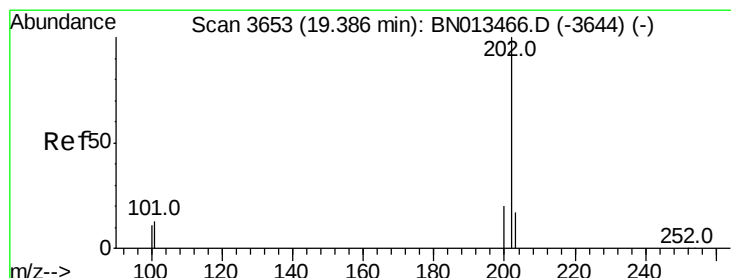
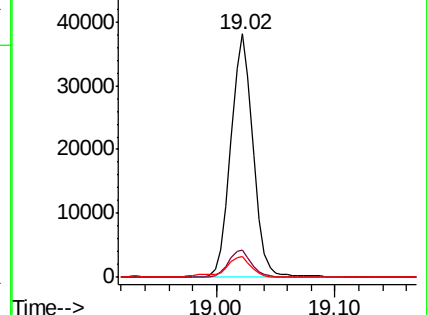
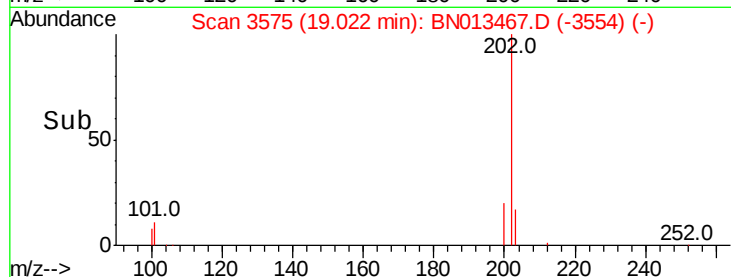
100 8.4 6.6 10.0



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: 0.755 ng/ul

RT: 19.38 min Scan# 3653

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

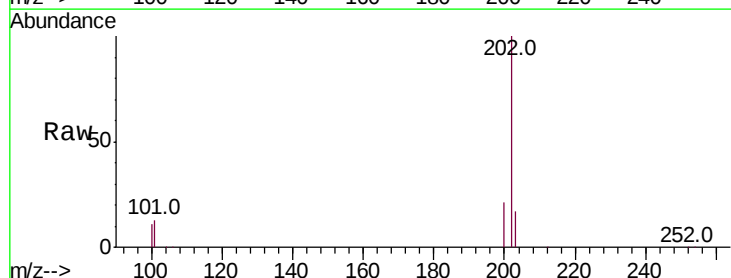
Tgt Ion:202 Resp: 48771

Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

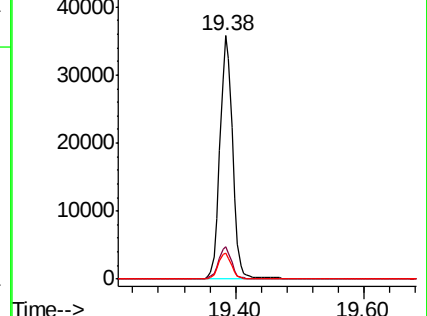
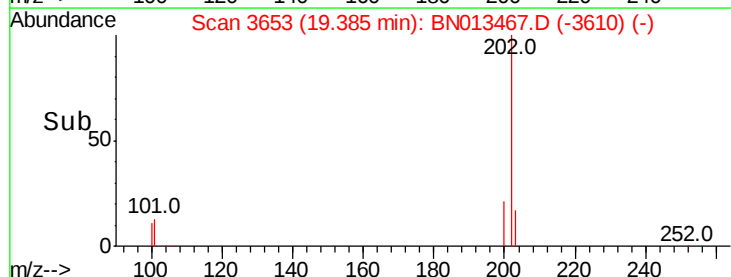
100 10.8 8.6 13.0

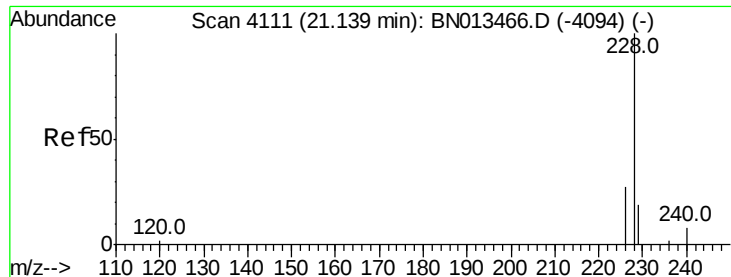


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.856 ng/ul

RT: 21.14 min Scan# 4112

Delta R.T. 0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.8006

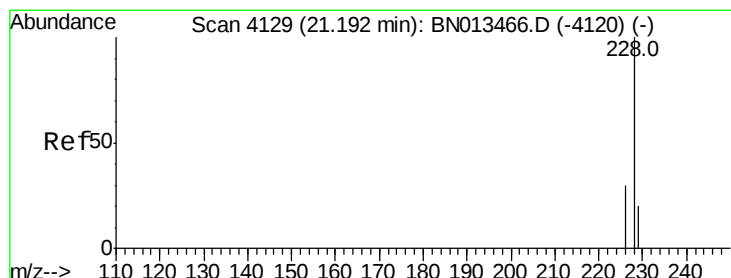
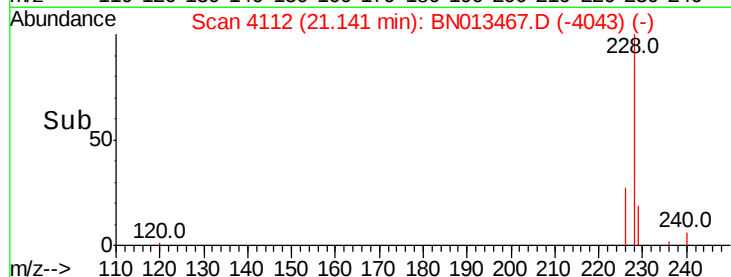
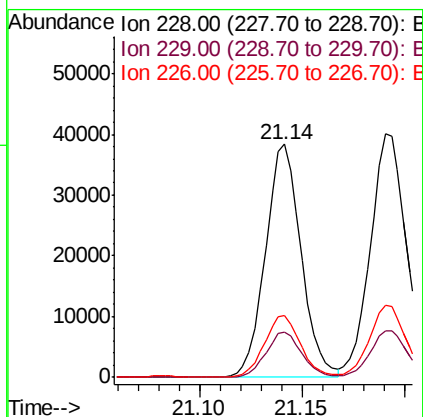
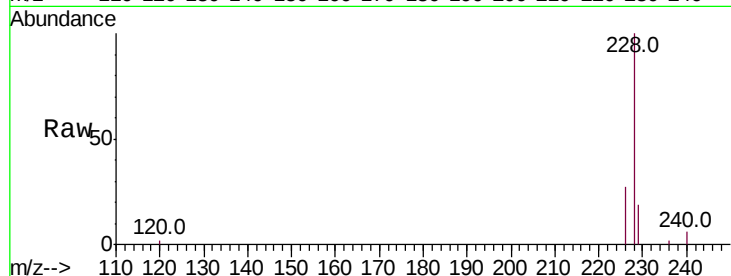
Tot Ion:228 Resp: 46468

Ion Ratio Lower Upper

228 100

229 19.5 15.5 23.3

226 26.6 21.6 32.4



#22

Chrysene

Concen: 0.839 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

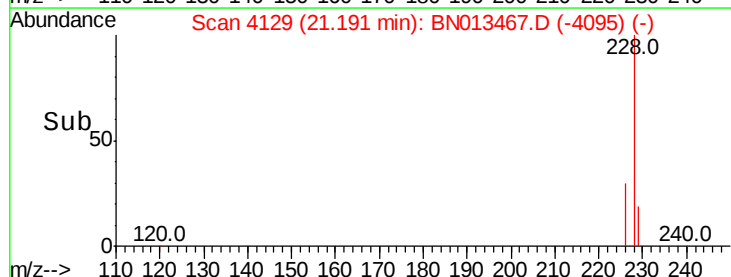
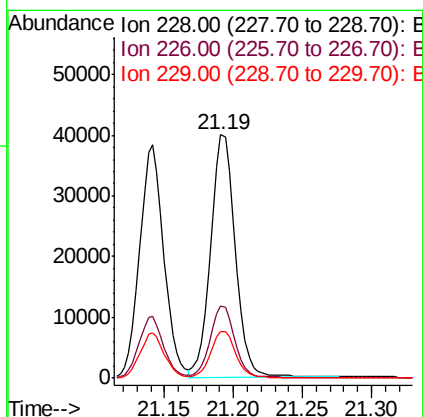
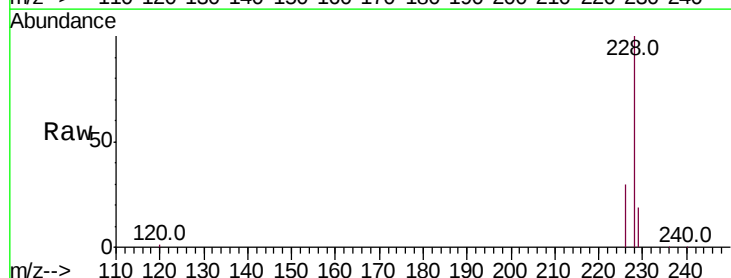
Tgt Ion:228 Resp: 49094

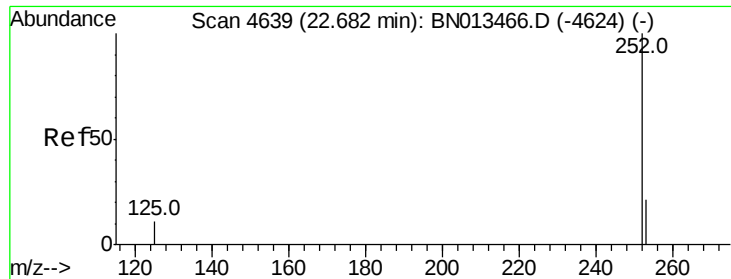
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 19.1 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.821 ng/ul

RT: 22.68 min Scan# 4640

Delta R.T. 0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.8006

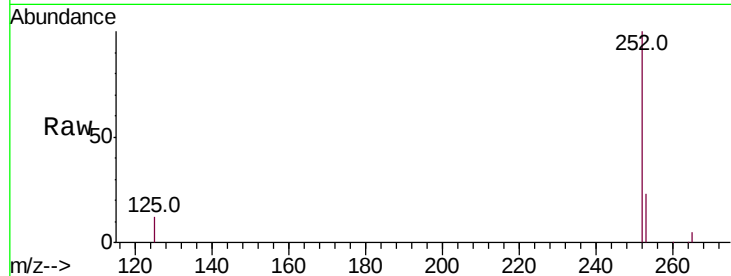
Tot Ion:252 Resp: 45844

Ion Ratio Lower Upper

252 100

253 22.7 0.0 46.6

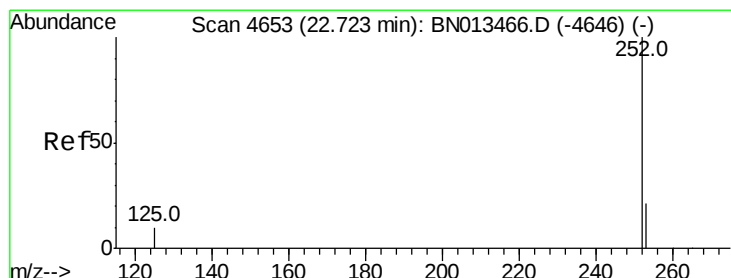
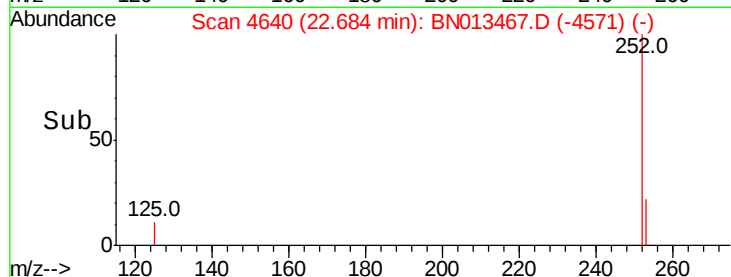
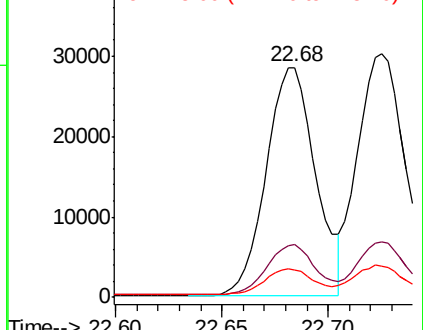
125 12.1 0.0 27.2



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: 0.906 ng/ul

RT: 22.73 min Scan# 4654

Delta R.T. 0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

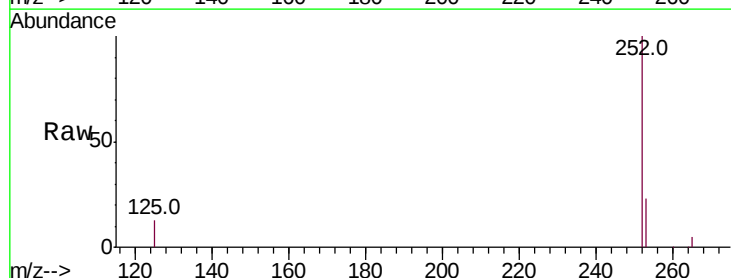
Tgt Ion:252 Resp: 48609

Ion Ratio Lower Upper

252 100

253 23.0 19.0 28.4

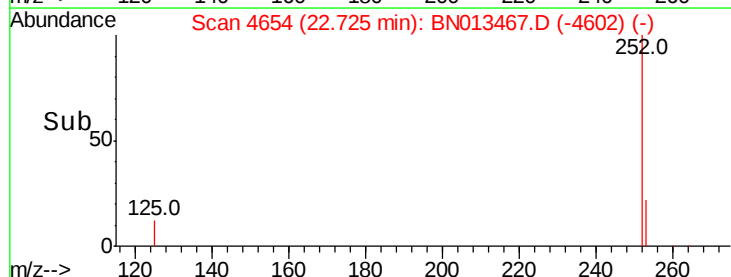
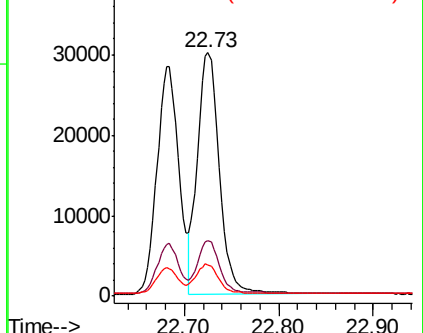
125 12.8 11.3 16.9

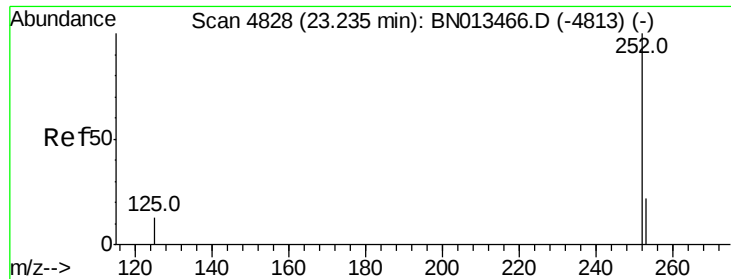


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.831 ng/u1

RT: 23.23 min Scan# 4828

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.8006

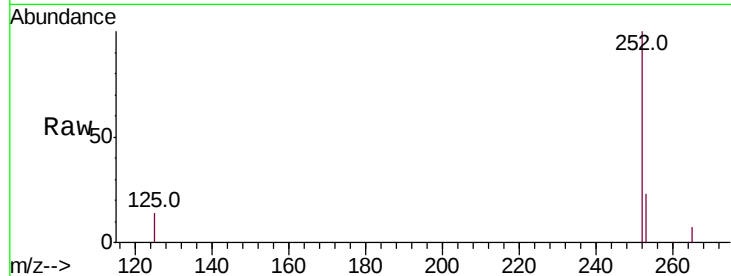
Tot Ion:252 Resp: 38369

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

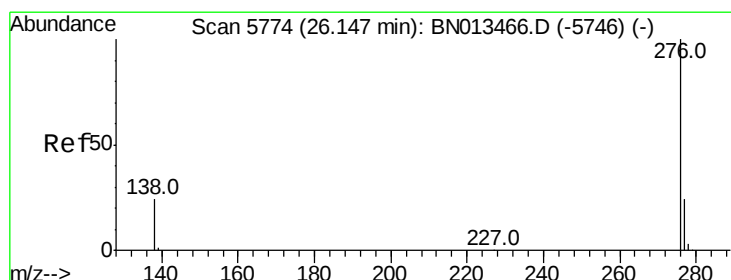
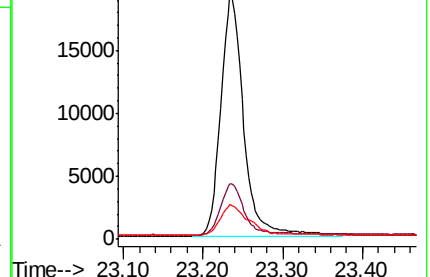
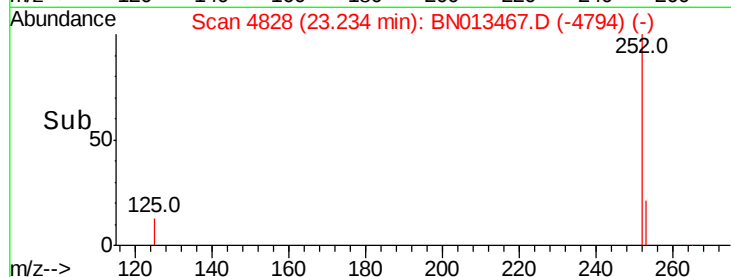
125 14.2 13.1 19.7



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: 0.937 ng/u1

RT: 25.49 min Scan# 5579

Delta R.T. 0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

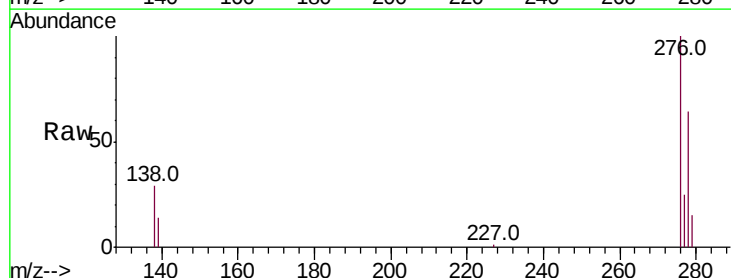
Tgt Ion:276 Resp: 52477

Ion Ratio Lower Upper

276 100

138 29.9 17.2 25.8#

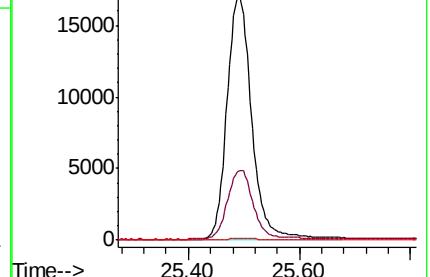
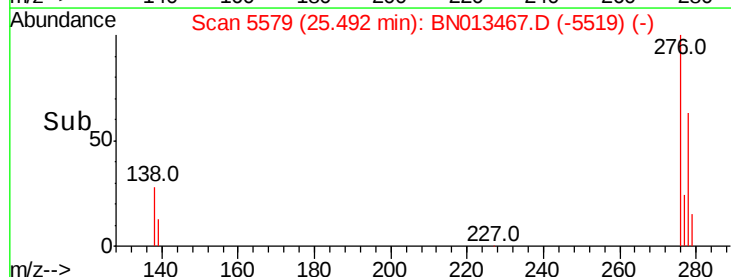
227 0.2 0.0 0.0#

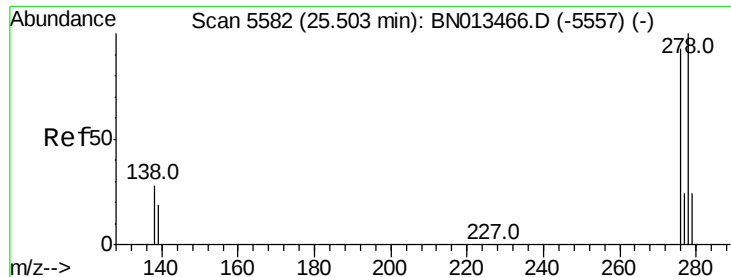


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.914 ng/ul

RT: 25.51 min Scan# 5584

Delta R.T. 0.01 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.8006

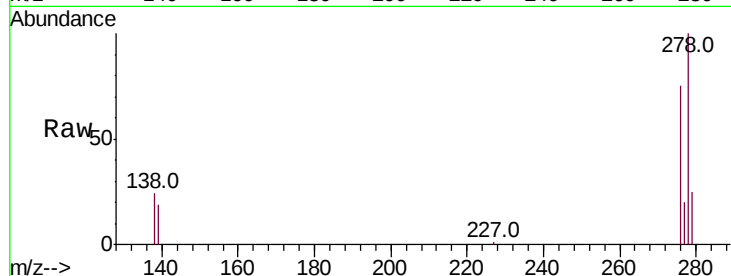
Tot Ion:278 Resp: 42893

Ion Ratio Lower Upper

278 100

139 19.4 16.2 24.2

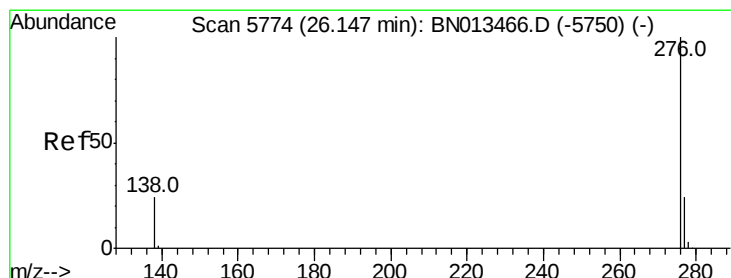
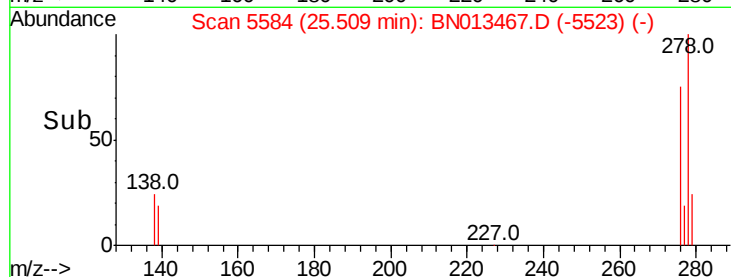
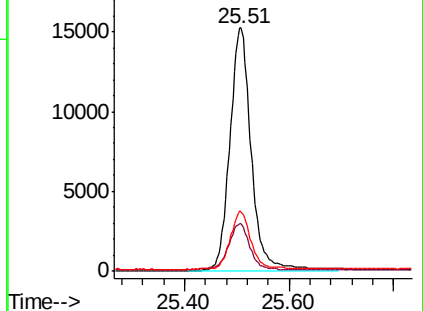
279 24.5 20.3 30.5



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: 0.904 ng/ul

RT: 26.15 min Scan# 5774

Delta R.T. -0.00 min

Lab File: BN013467.D

Acq: 22 Jan 2021 22:22

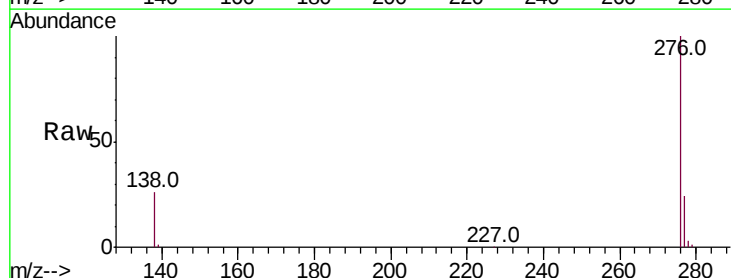
Tgt Ion:276 Resp: 44131

Ion Ratio Lower Upper

276 100

138 25.8 20.2 30.2

277 23.9 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

