

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012321\
 Data File : BN013469.D
 Acq On : 22 Jan 2021 23:34
 Operator : CG/JU
 Sample : SSTD3.202
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.2002

Quant Time: Jan 23 01:17:07 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

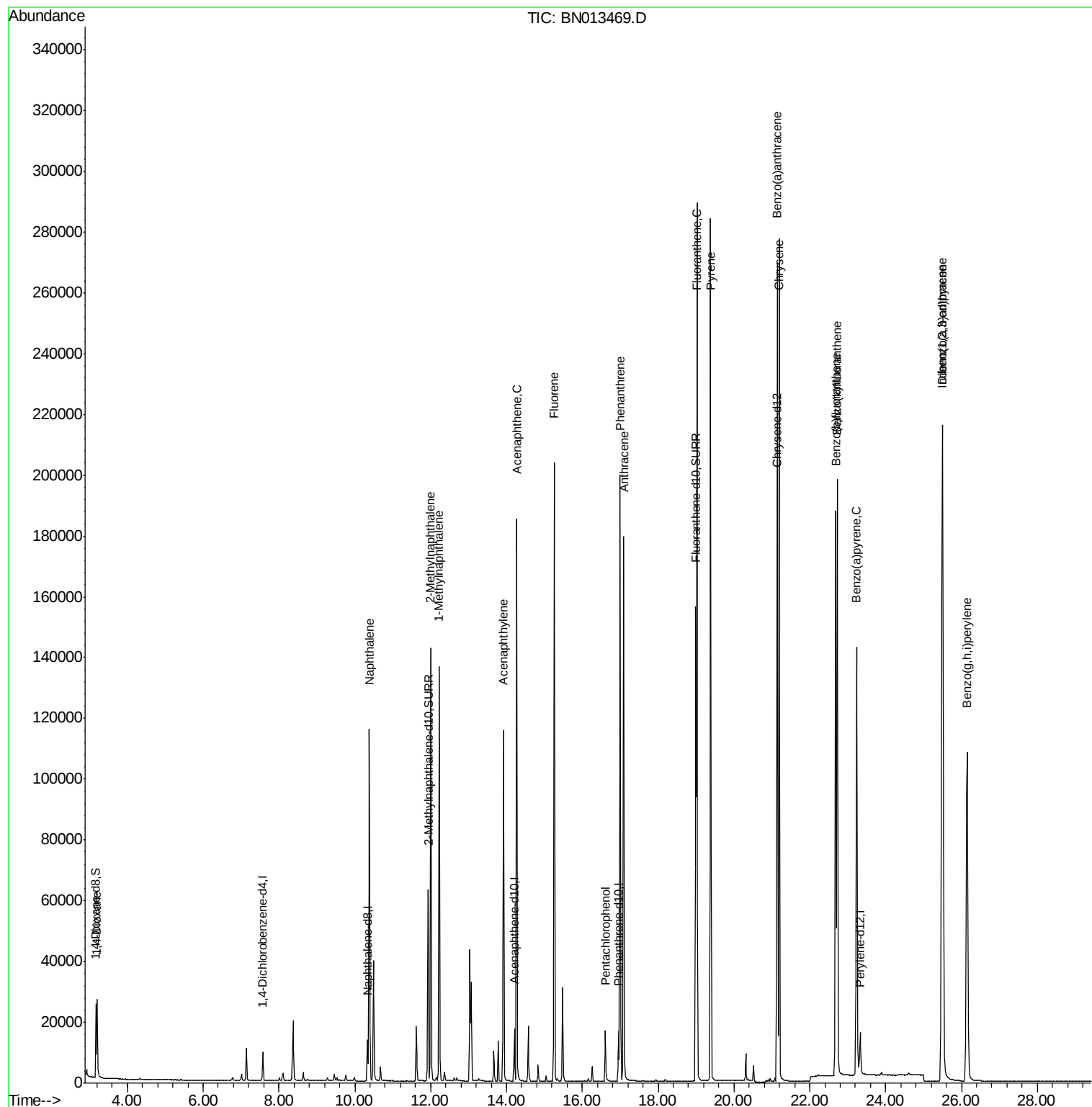
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4541	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	17310	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	9325	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	19258	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	20252	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	17241	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	14842	2.88	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	81358	3.08	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	168486	2.80	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.20	88	15115	2.630	ng/ul#	83
5) Naphthalene	10.38	128	153937	3.150	ng/ul	99
7) 2-Methylnaphthalene	12.00	142	102231	3.171	ng/ul	100
8) 1-Methylnaphthalene	12.22	142	96857	3.147	ng/ul	100
10) Acenaphthylene	13.93	152	133769	3.551	ng/ul	99
11) Acenaphthene	14.27	153	107038	3.235	ng/ul	100
12) Fluorene	15.26	166	123534	3.284	ng/ul	99
14) Pentachlorophenol	16.61	266	11516	2.356	ng/ul	98
15) Phenanthrene	16.99	178	201327	3.407	ng/ul	100
16) Anthracene	17.09	178	182963	3.529	ng/ul	99
19) Fluoranthene	19.02	202	235836	2.962	ng/ul	99
20) Pyrene	19.38	202	232117	2.921	ng/ul	99
21) Benzo(a)anthracene	21.14	228	224906	3.368	ng/ul	100
22) Chrysene	21.19	228	225741	3.139	ng/ul	100
24) Benzo(b)fluoranthene	22.68	252	219781	3.169	ng/ul	97
25) Benzo(k)fluoranthene	22.73	252	232070	3.483	ng/ul	95
26) Benzo(a)pyrene	23.23	252	193906	3.384	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.49	276	255673	3.678	ng/ul#	83
28) Dibenzo(a,h)anthracene	25.51	278	208398	3.577	ng/ul	97
29) Benzo(g,h,i)perylene	26.15	276	213357	3.521	ng/ul	99

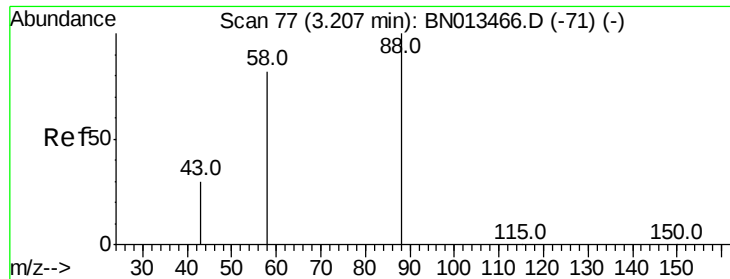
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.630 ng/ul

RT: 3.20 min Scan# 76

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

SSTD3.2002

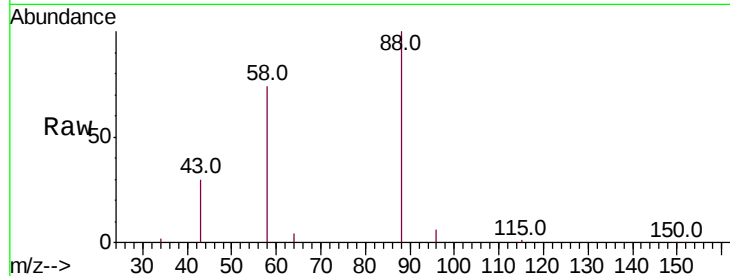
Tot Ion: 88 Resp: 15115

Ion Ratio Lower Upper

88 100

43 29.8 26.9 40.3

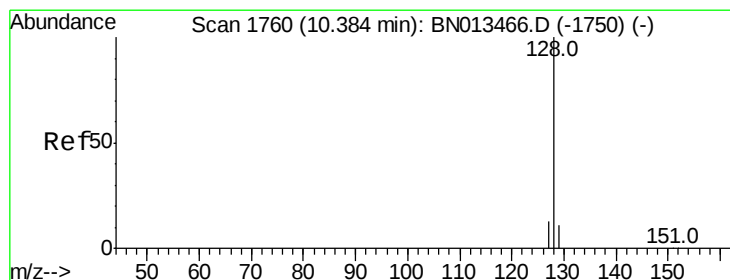
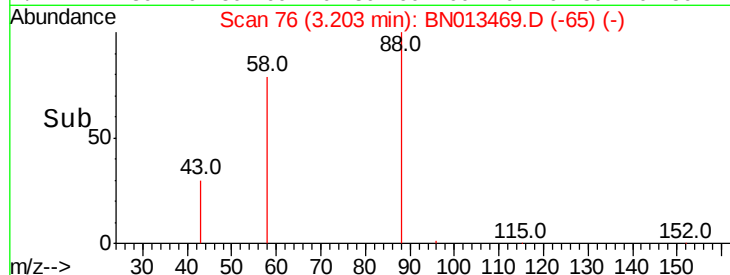
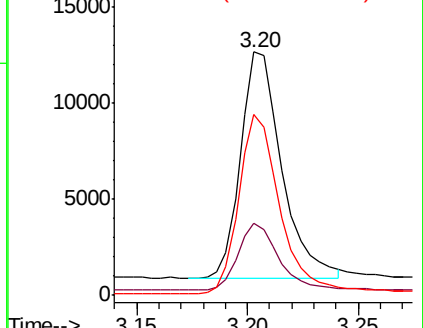
58 74.2 45.8 68.6#



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: 3.150 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

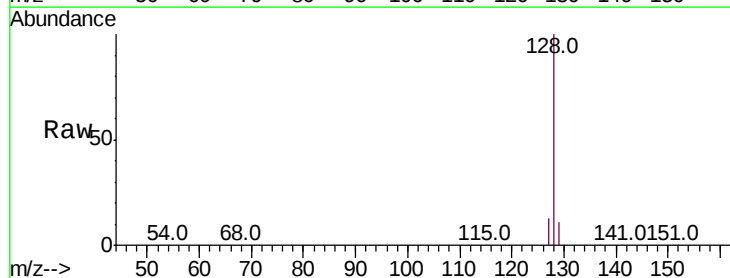
Tgt Ion: 128 Resp: 153937

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

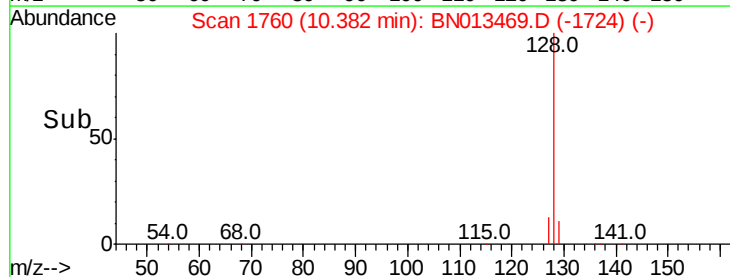
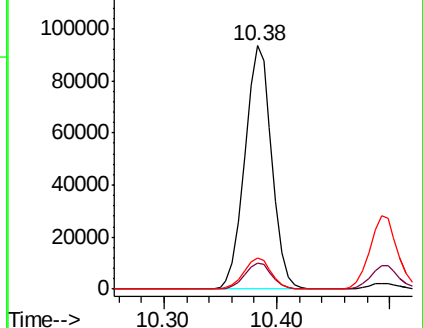
127 12.9 10.7 16.1

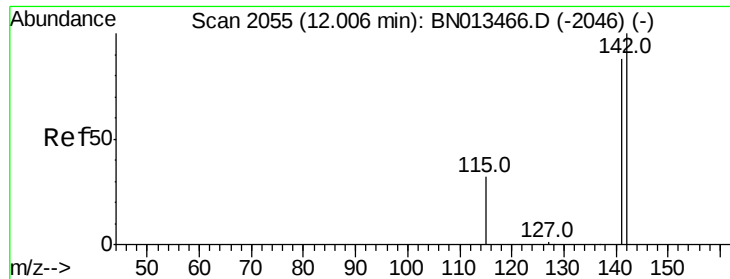


Abundance Ion 128.00 (127.70 to 128.70): BN013466.D (-1750) (-)

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: 3.171 ng/ul

RT: 12.00 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

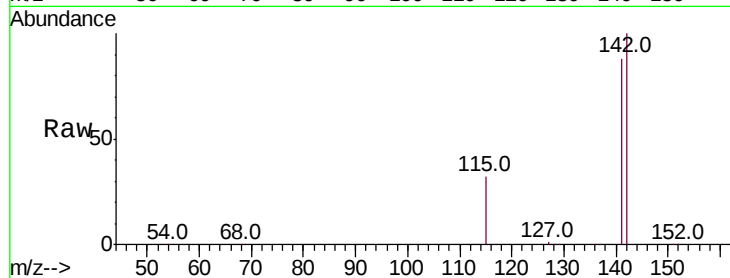
SSTD3.2002

Tot Ion:142 Resp: 102231

Ion Ratio Lower Upper

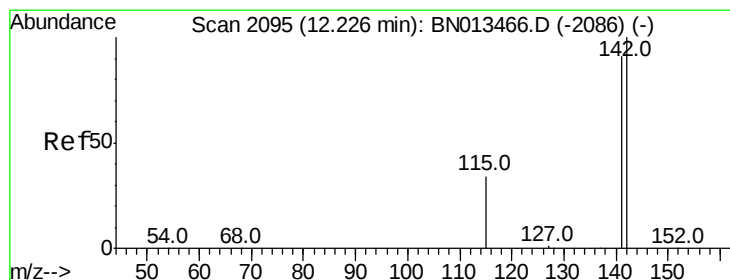
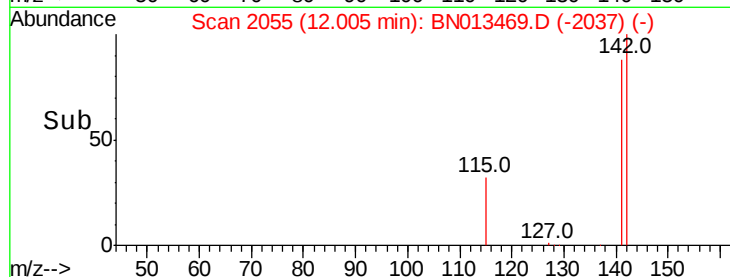
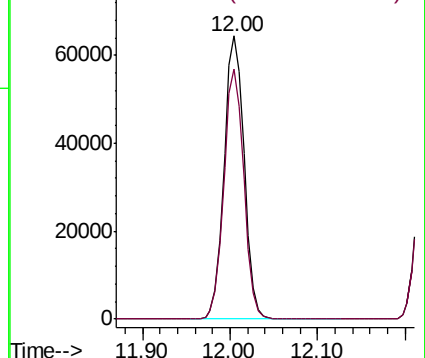
142 100

141 88.4 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: 3.147 ng/ul

RT: 12.22 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN013469.D

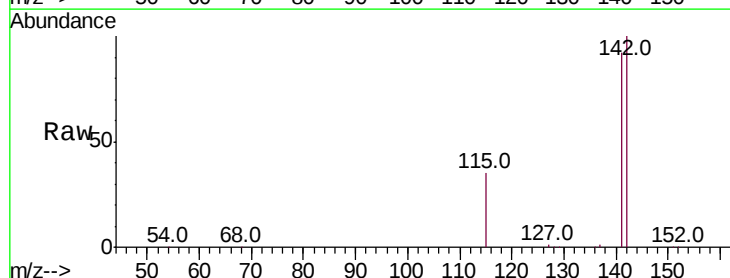
Acq: 22 Jan 2021 23:34

Tgt Ion:142 Resp: 96857

Ion Ratio Lower Upper

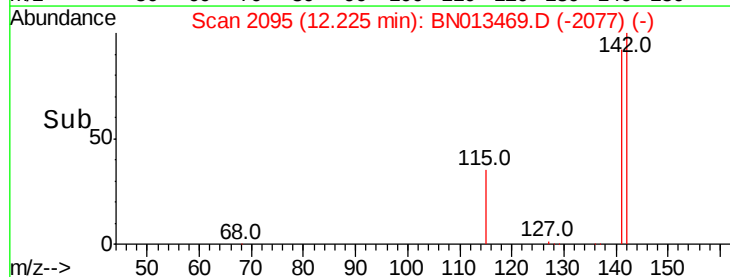
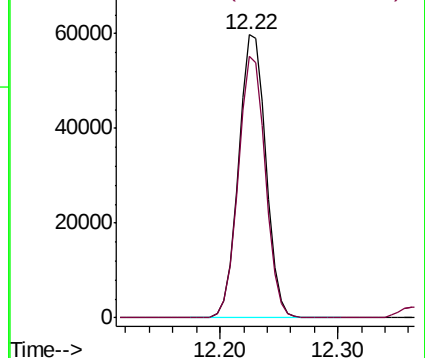
142 100

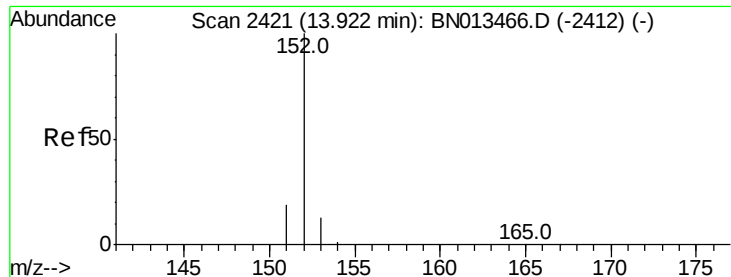
141 91.8 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 3.551 ng/ul

RT: 13.93 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

SSTD3.2002

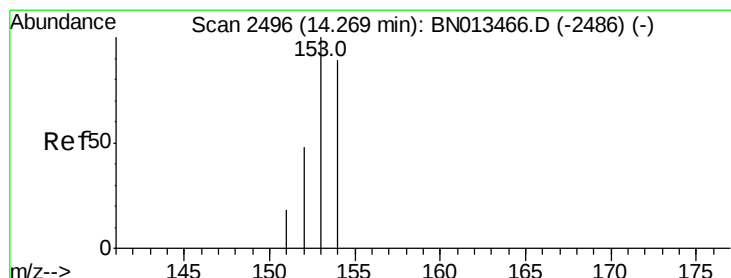
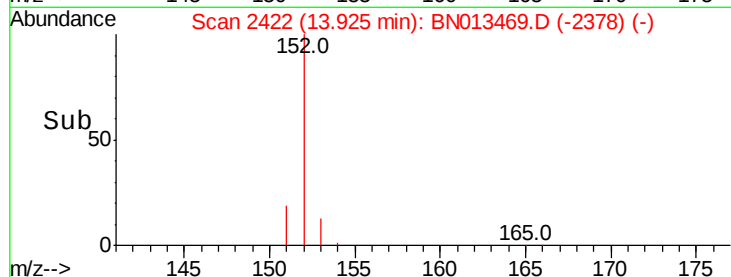
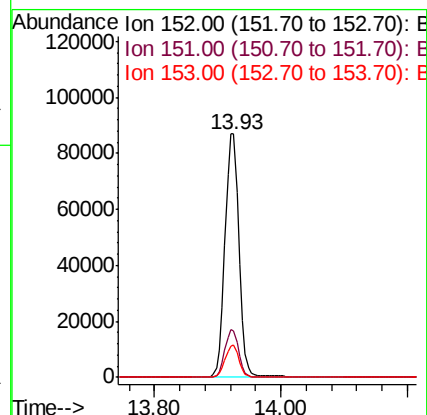
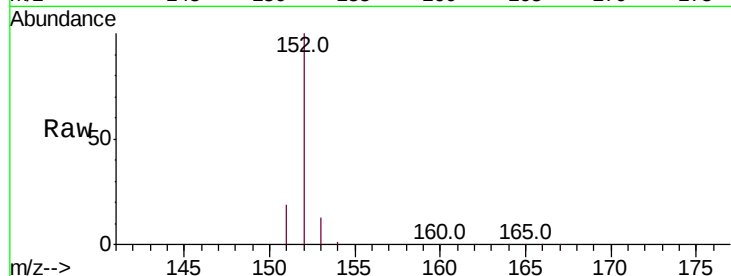
Tot Ion:152 Resp: 133769

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.6

153 13.1 10.7 16.1



#11

Acenaphthene

Concen: 3.235 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

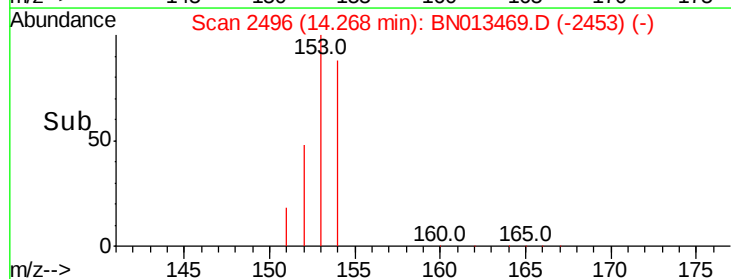
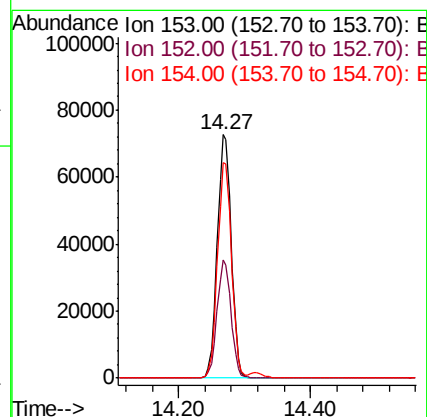
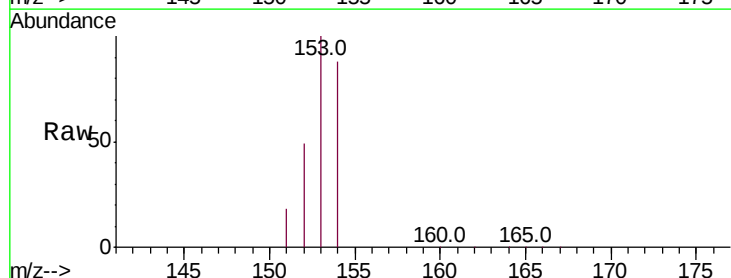
Tgt Ion:153 Resp: 107038

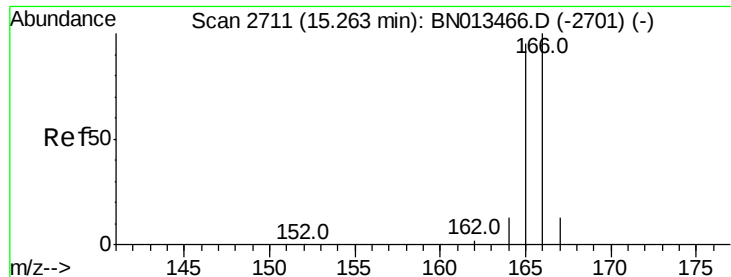
Ion Ratio Lower Upper

153 100

152 48.7 38.9 58.3

154 88.4 71.0 106.6





#12

Fluorene

Concen: 3.284 ng/ul

RT: 15.26 min Scan# 2711

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

SSTD3.2002

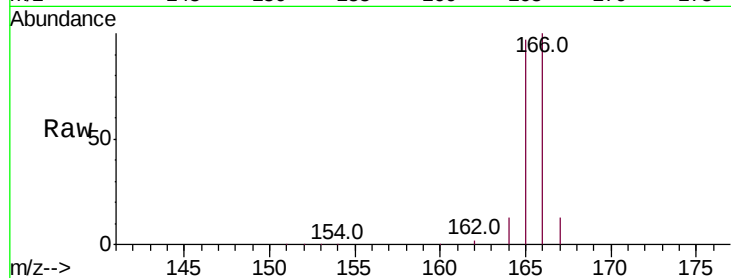
Tot Ion:166 Resp: 123534

Ion Ratio Lower Upper

166 100

165 96.5 76.1 114.1

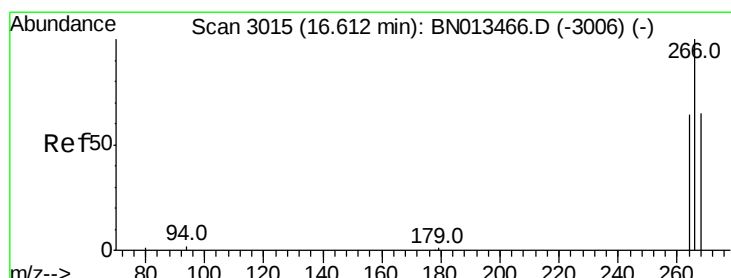
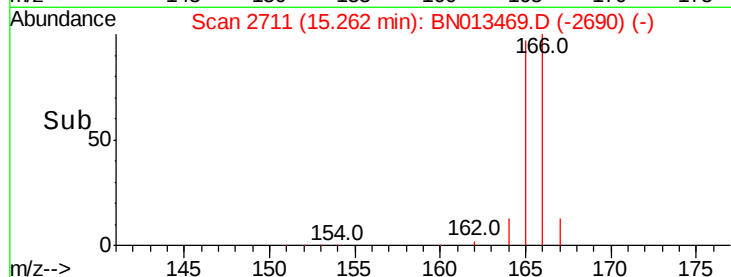
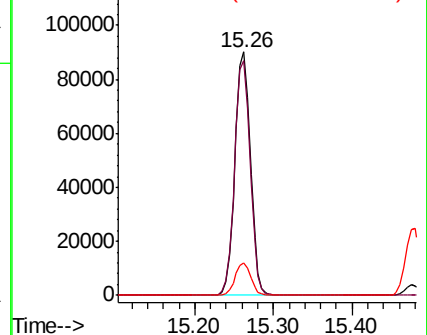
167 13.5 11.0 16.6



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: 2.356 ng/ul

RT: 16.61 min Scan# 3014

Delta R.T. -0.01 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

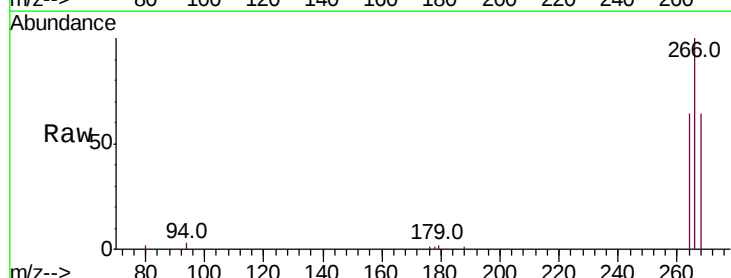
Tgt Ion:266 Resp: 11516

Ion Ratio Lower Upper

266 100

264 62.9 50.0 75.0

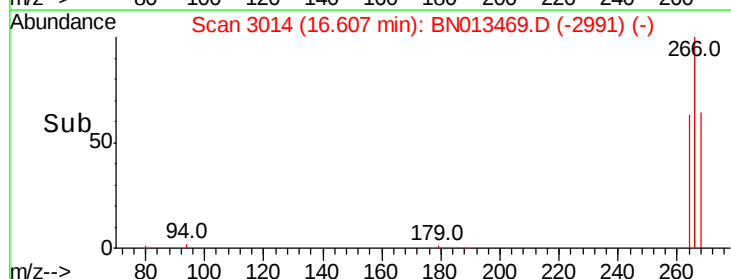
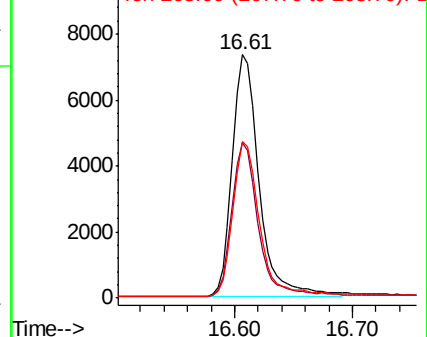
268 63.9 52.6 79.0

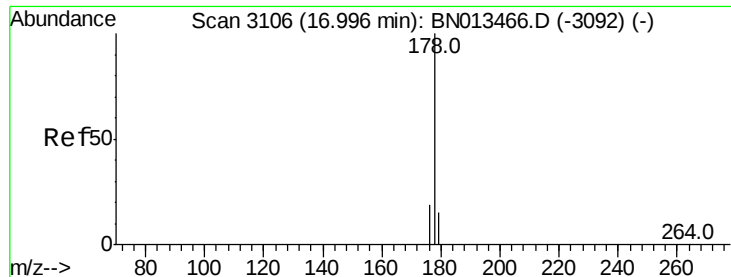


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 3.407 ng/ul

RT: 16.99 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

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ClientSampleId :

SSTD3.2002

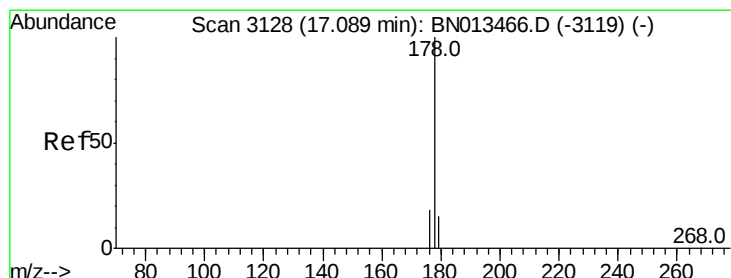
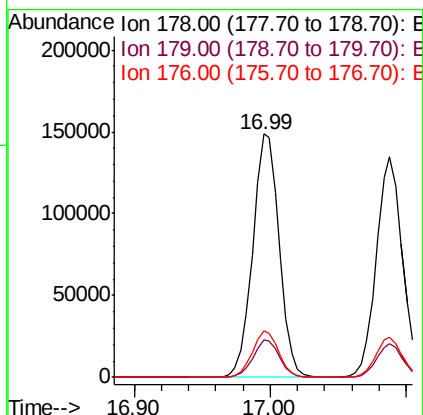
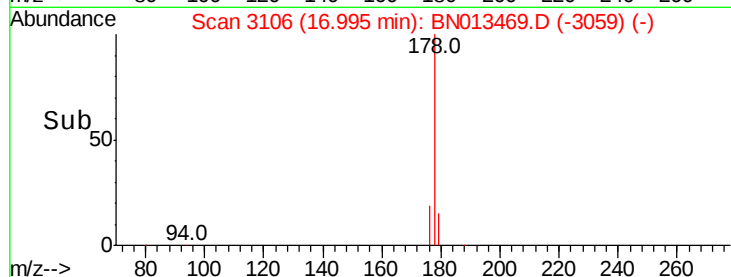
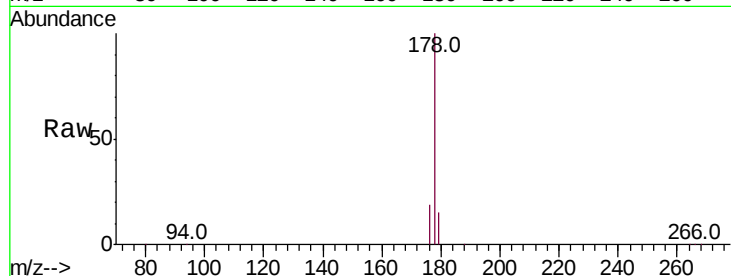
Tot Ion:178 Resp: 201327

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

176 18.9 15.4 23.0



#16

Anthracene

Concen: 3.529 ng/ul

RT: 17.09 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

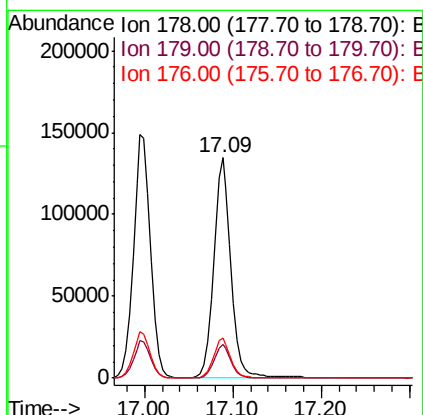
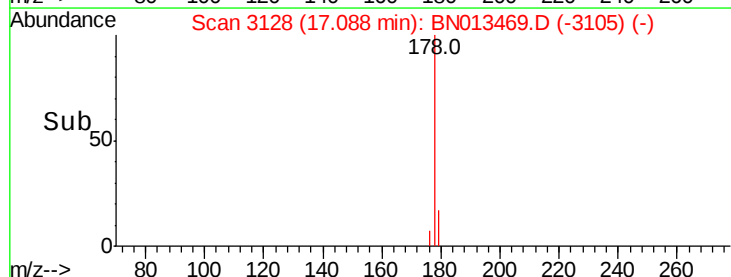
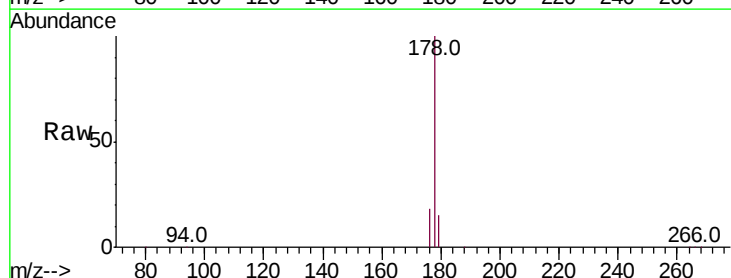
Tgt Ion:178 Resp: 182963

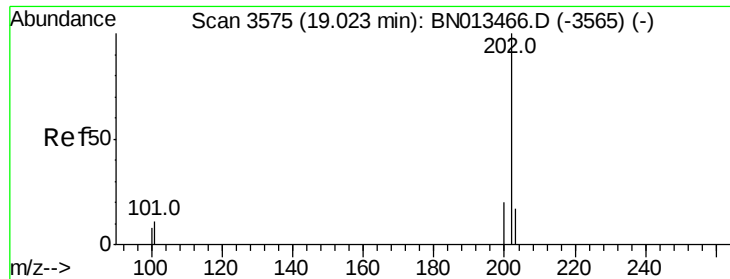
Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

176 18.1 14.4 21.6





#19

Fluoranthene

Concen: 2.962 ng/ul

RT: 19.02 min Scan# 3575

Delta R.T. -0.00 min

Lab File: BN013469.D

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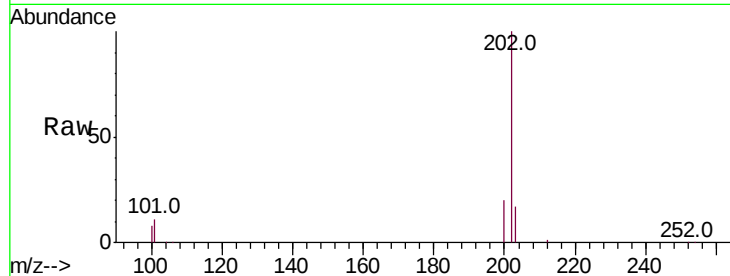
Tot Ion:202 Resp: 235836

Ion Ratio Lower Upper

202 100

101 10.8 8.9 13.3

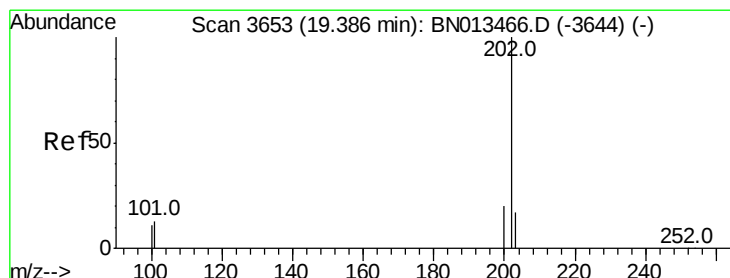
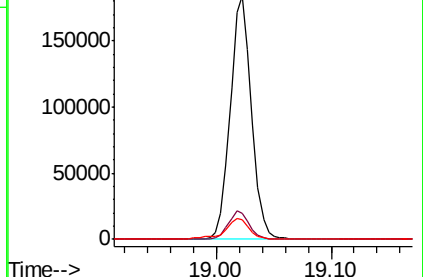
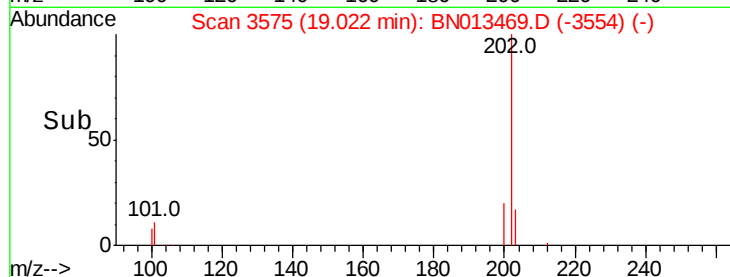
100 8.0 6.6 10.0



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: 2.921 ng/ul

RT: 19.38 min Scan# 3653

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

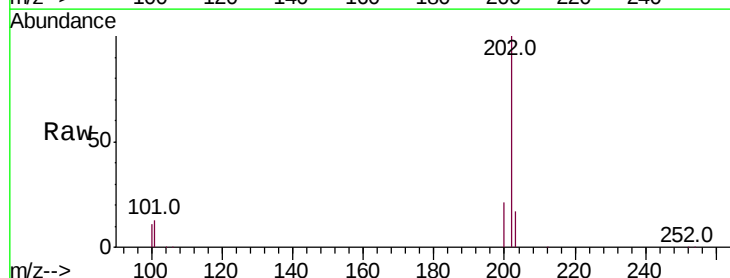
Tgt Ion:202 Resp: 232117

Ion Ratio Lower Upper

202 100

101 13.3 10.3 15.5

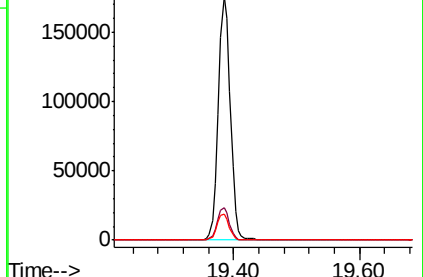
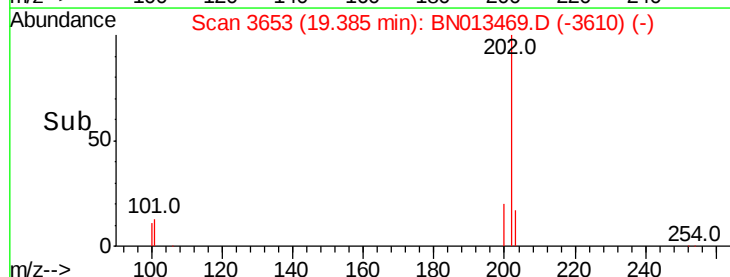
100 10.7 8.6 13.0

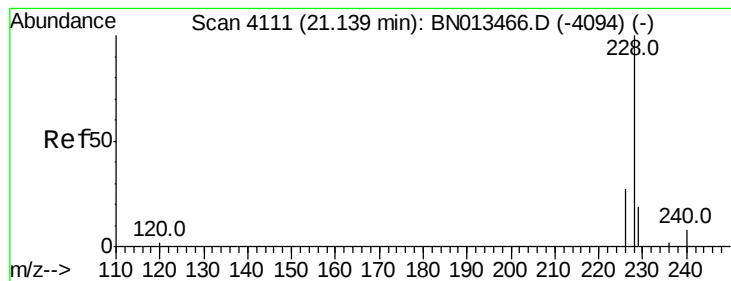


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 3.368 ng/ul

RT: 21.14 min Scan# 4111

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

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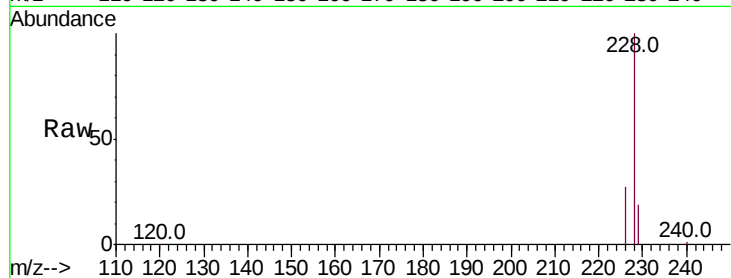
Tot Ion:228 Resp: 224906

Ion Ratio Lower Upper

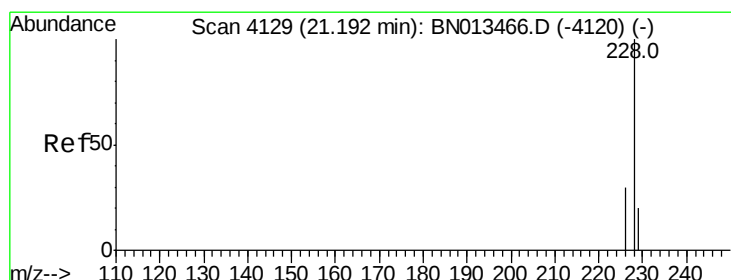
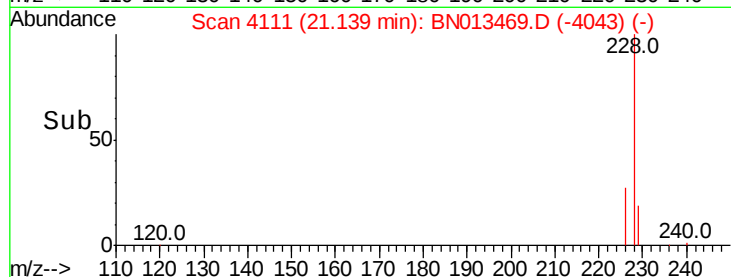
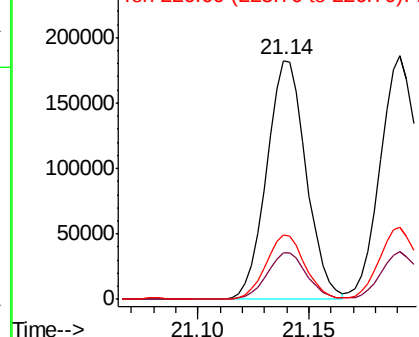
228 100

229 19.3 15.5 23.3

226 26.9 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: 3.139 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

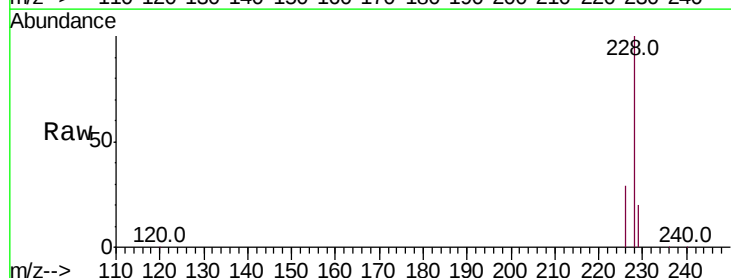
Tgt Ion:228 Resp: 225741

Ion Ratio Lower Upper

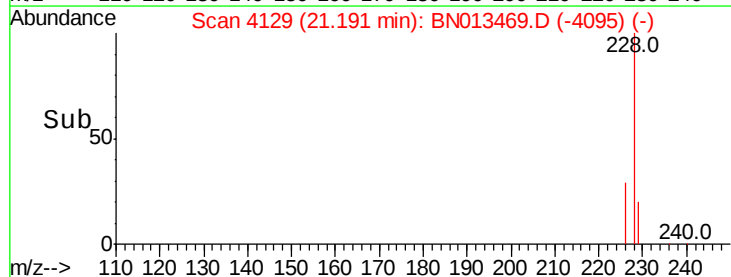
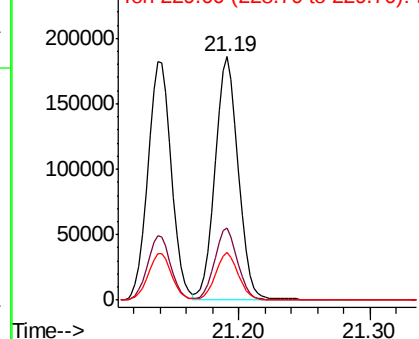
228 100

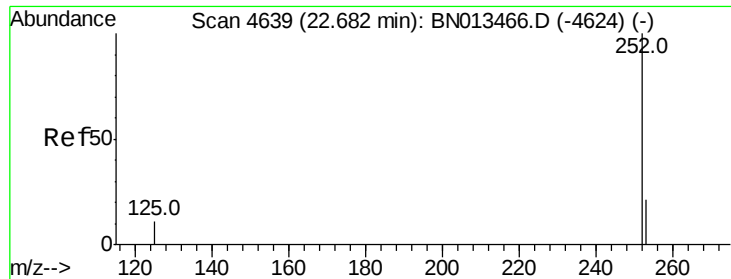
226 29.4 23.8 35.6

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: 3.169 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

SSTD3.2002

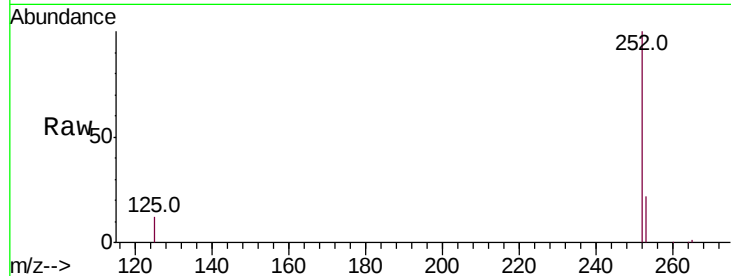
Tot Ion:252 Resp: 219781

Ion Ratio Lower Upper

252 100

253 22.1 0.0 46.6

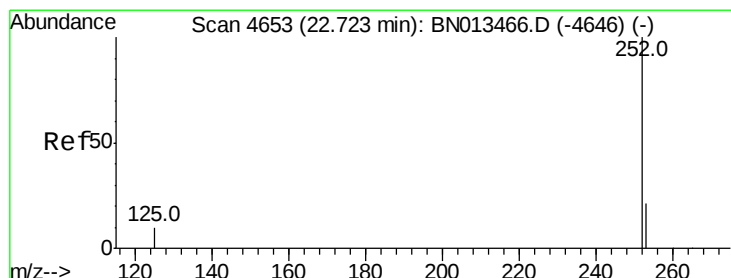
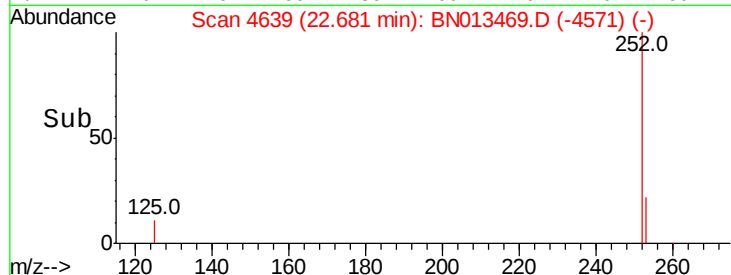
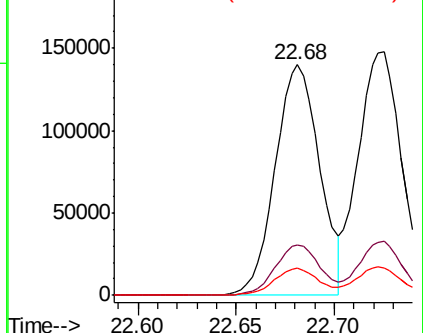
125 11.6 0.0 27.2



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: 3.483 ng/ul

RT: 22.73 min Scan# 4654

Delta R.T. 0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

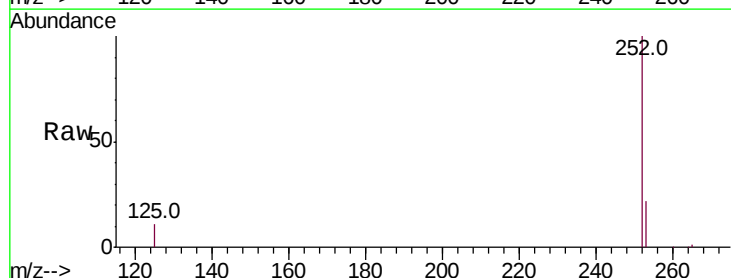
Tgt Ion:252 Resp: 232070

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.4

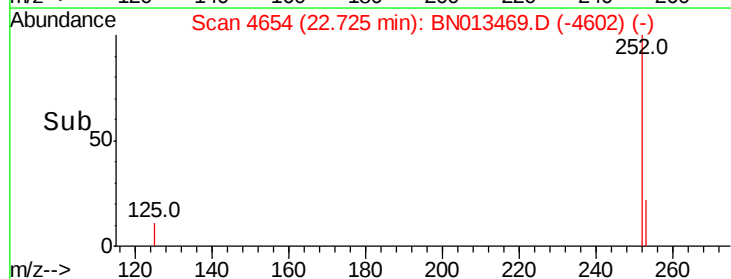
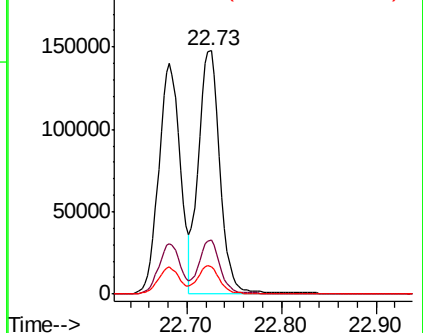
125 11.3 11.3 16.9

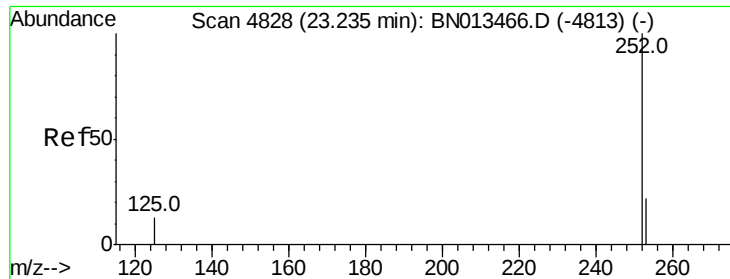


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 3.384 ng/ul

RT: 23.23 min Scan# 4828

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

SSTD3.2002

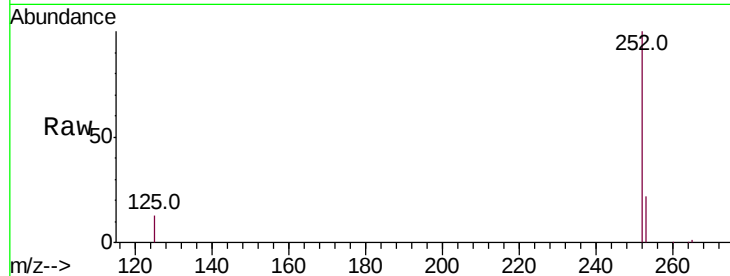
Tot Ion:252 Resp: 193906

Ion Ratio Lower Upper

252 100

253 21.7 19.8 29.8

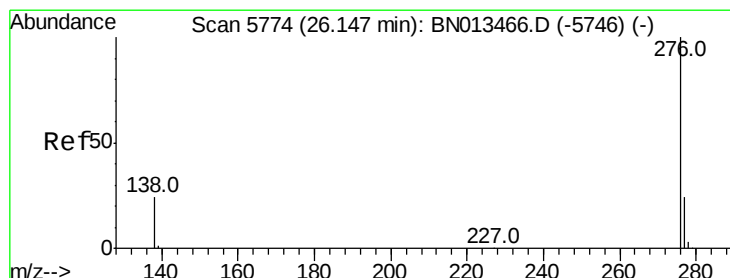
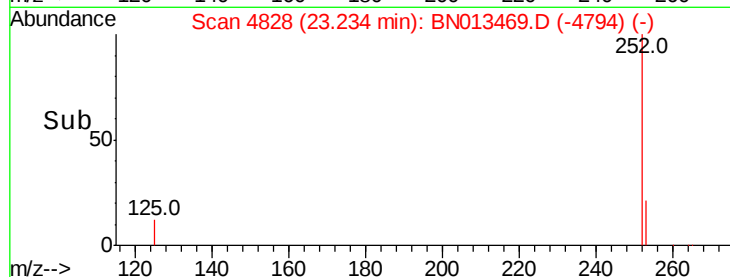
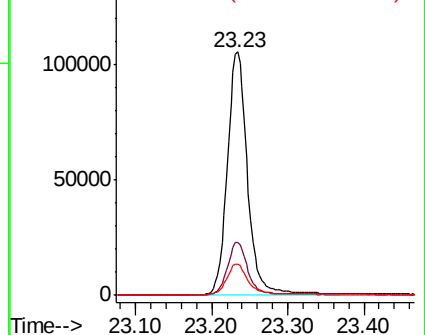
125 12.8 13.1 19.7#



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: 3.678 ng/ul

RT: 25.49 min Scan# 5577

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

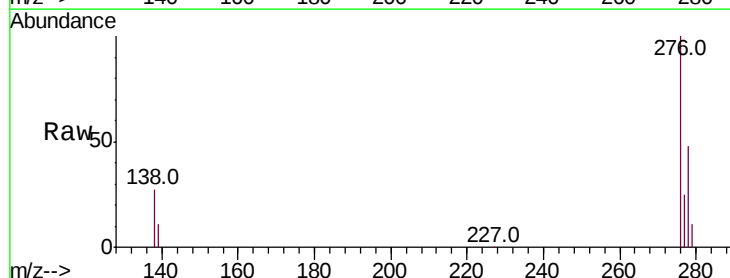
Tgt Ion:276 Resp: 255673

Ion Ratio Lower Upper

276 100

138 29.5 17.2 25.8#

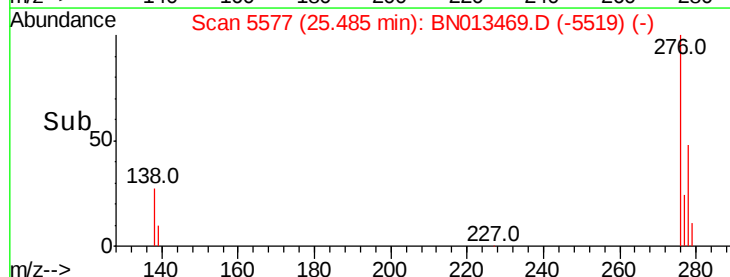
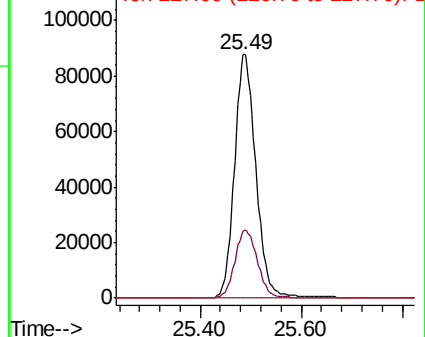
227 0.2 0.0 0.0#

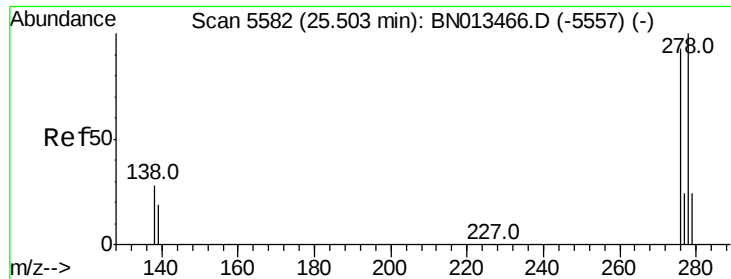


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.577 ng/ul

RT: 25.51 min Scan# 5583

Delta R.T. 0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

Instrument :

BNA_N

ClientSampleId :

SSTD3.2002

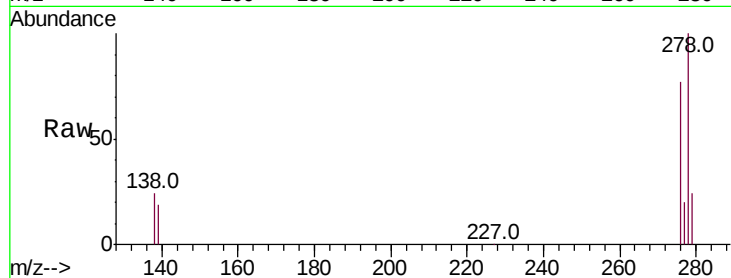
Tot Ion:278 Resp: 208398

Ion Ratio Lower Upper

278 100

139 19.4 16.2 24.2

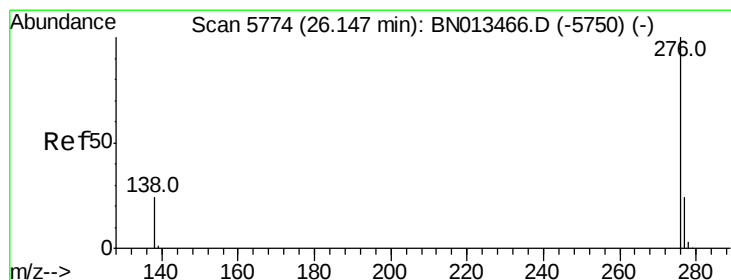
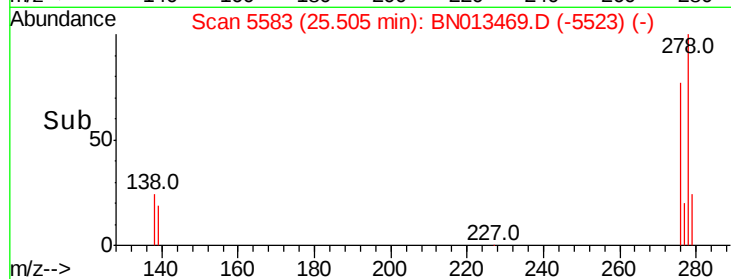
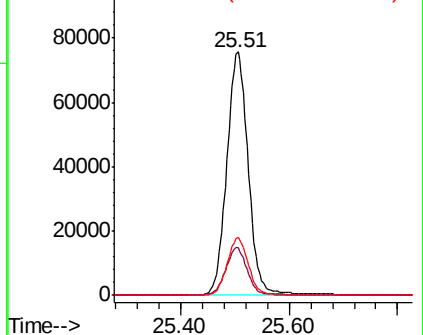
279 23.7 20.3 30.5



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: 3.521 ng/ul

RT: 26.15 min Scan# 5774

Delta R.T. -0.00 min

Lab File: BN013469.D

Acq: 22 Jan 2021 23:34

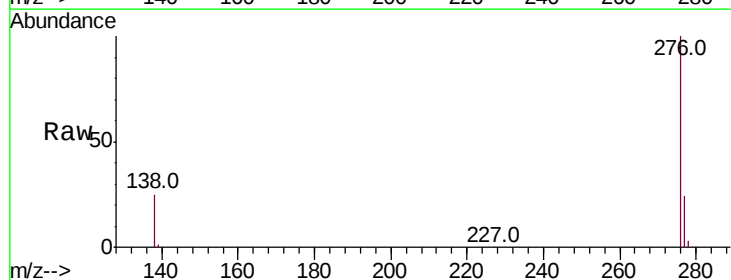
Tgt Ion:276 Resp: 213357

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.2

277 23.7 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

