

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012521\
 Data File : BN013473.D
 Acq On : 25 Jan 2021 18:20
 Operator : CG/JU
 Sample : SST00.205
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST00.2005

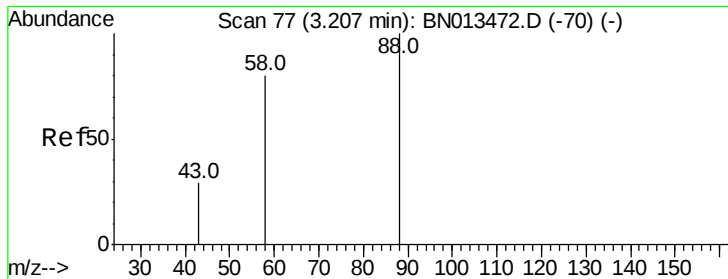
Quant Time: Jan 25 22:20:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN012521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 25 10:11:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4002	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	14523	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	7367	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	15539	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	12896	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	11058	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	896	0.22	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	4610	0.22	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	8534	0.26	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.21	88	864	0.211	ng/ul	90
5) Naphthalene	10.38	128	8735	0.216	ng/ul	100
7) 2-Methylnaphthalene	12.00	142	5863	0.223	ng/ul	99
8) 1-Methylnaphthalene	12.23	142	5644	0.223	ng/ul	100
10) Acenaphthylene	13.92	152	6613	0.216	ng/ul	99
11) Acenaphthene	14.27	153	5695	0.217	ng/ul	100
12) Fluorene	15.26	166	6265	0.211	ng/ul	98
14) Pentachlorophenol	16.61	266	292	0.120	ng/ul	96
15) Phenanthrene	17.00	178	10677	0.215	ng/ul	99
16) Anthracene	17.08	178	8428	0.203	ng/ul	98
19) Fluoranthene	19.02	202	10965	0.231	ng/ul	98
20) Pyrene	19.39	202	11286	0.232	ng/ul	99
21) Benzo(a)anthracene	21.14	228	8589	0.192	ng/ul	100
22) Chrysene	21.19	228	10881	0.231	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	10404	0.247	ng/ul	94
25) Benzo(k)fluoranthene	22.68	252	10404	0.225	ng/ul	95
26) Benzo(a)pyrene	23.23	252	8109	0.220	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.49	276	11218	0.230	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.50	278	9025	0.229	ng/ul	96
29) Benzo(g,h,i)perylene	26.14	276	10204	0.248	ng/ul	98

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

```
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Data File : BN013473.D  
Acq On    : 25 Jan 2021  18:20  
Operator  : CG/JU  
Sample    : SSTD0.205  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
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Quant Time: Jan 25 22:20:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN012521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#2

1,4-Dioxane

Concen: 0.211 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

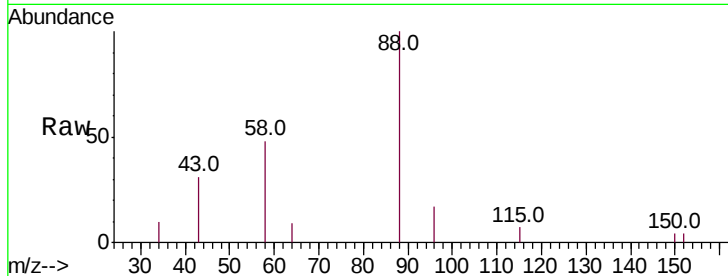
Tot Ion: 88 Resp: 864

Ion Ratio Lower Upper

88 100

43 30.5 26.9 40.3

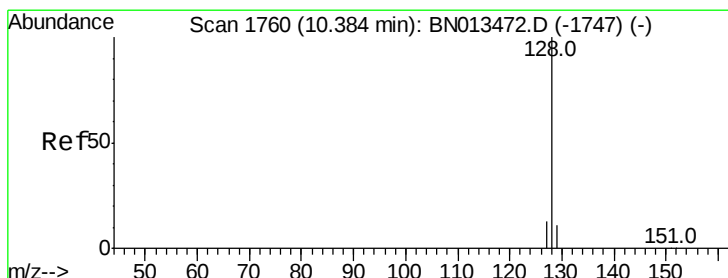
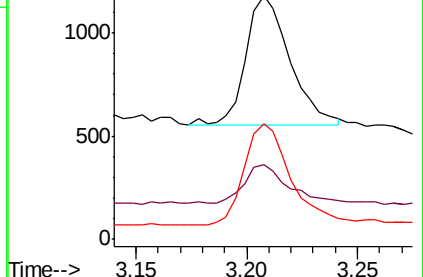
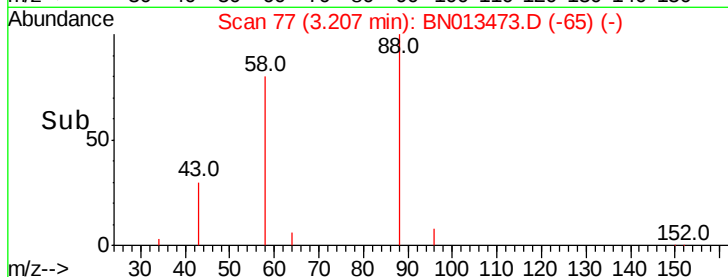
58 47.7 45.8 68.6



Abundance Ion 88.00 (87.70 to 88.70): BN013472.D (-70) (-)

Ion 43.00 (42.70 to 43.70): BN013472.D (-70) (-)

Ion 58.00 (57.70 to 58.70): BN013472.D (-70) (-)



#5

Naphthalene

Concen: 0.216 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

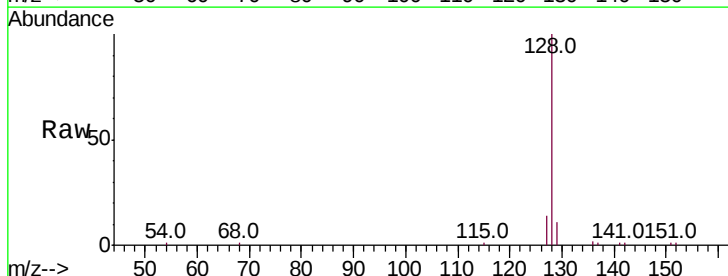
Tgt Ion: 128 Resp: 8735

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

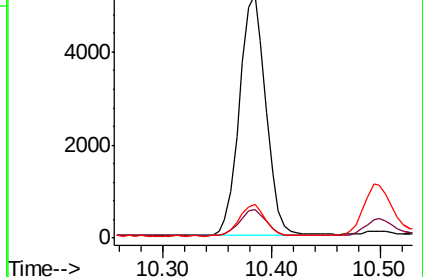
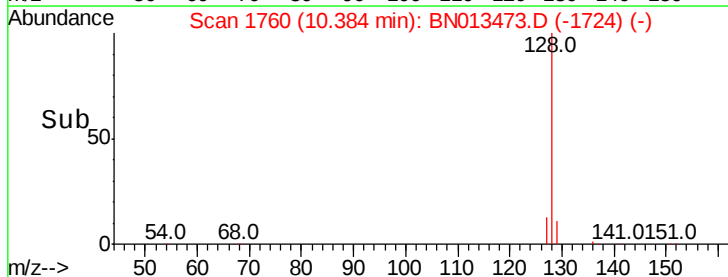
127 13.6 10.7 16.1

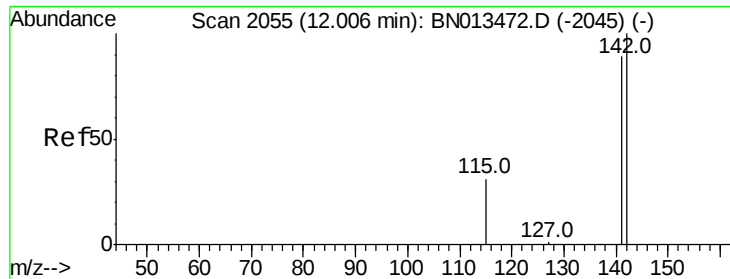


Abundance Ion 128.00 (127.70 to 128.70): BN013472.D (-1747) (-)

Ion 129.00 (128.70 to 129.70): BN013472.D (-1747) (-)

Ion 127.00 (126.70 to 127.70): BN013472.D (-1747) (-)





#7

2-Methylnaphthalene

Concen: 0.223 ng/ul

RT: 12.00 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

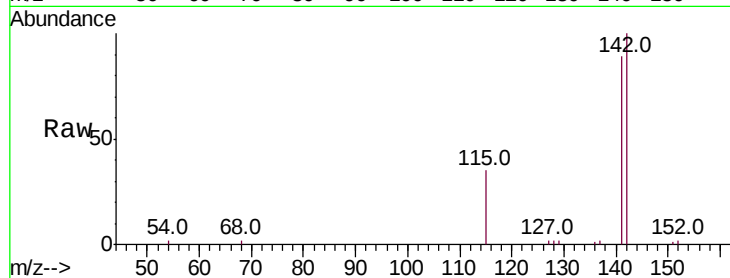
SSTD0.2005

Tot Ion:142 Resp: 5863

Ion Ratio Lower Upper

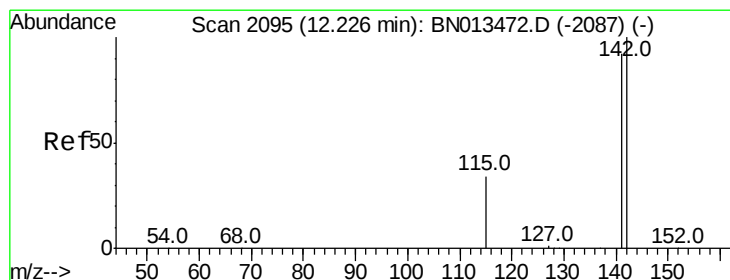
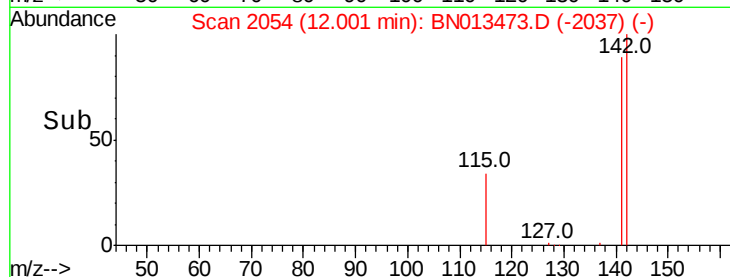
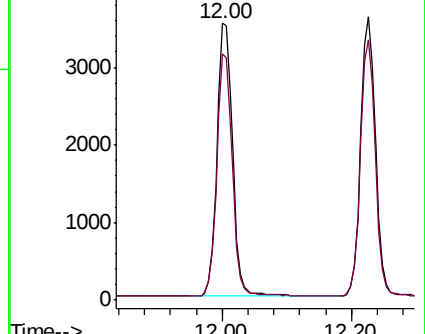
142 100

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: 0.223 ng/ul

RT: 12.23 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN013473.D

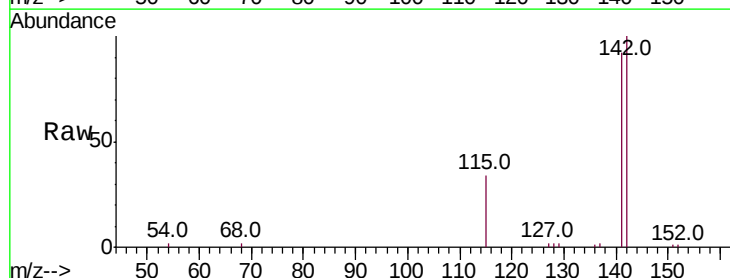
Acq: 25 Jan 2021 18:20

Tgt Ion:142 Resp: 5644

Ion Ratio Lower Upper

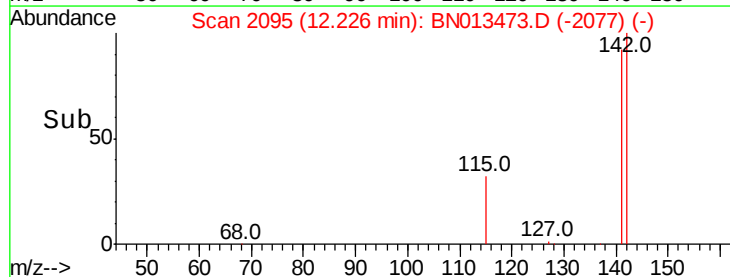
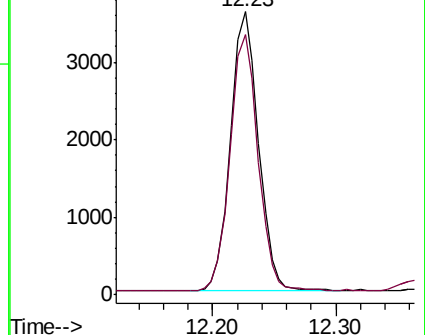
142 100

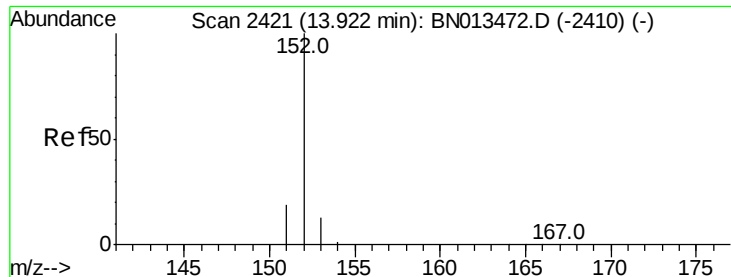
141 91.5 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.216 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

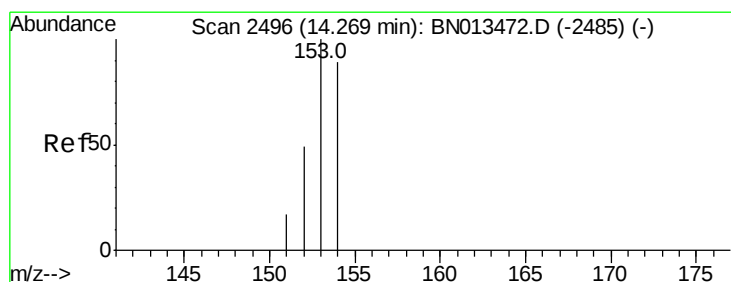
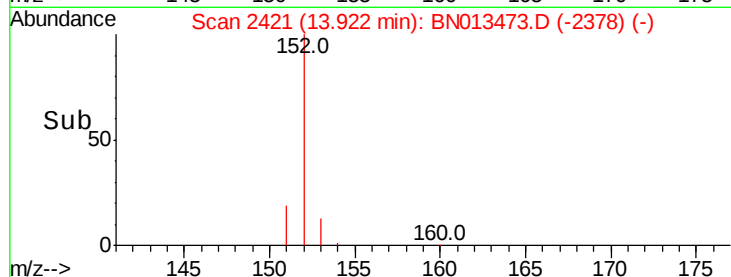
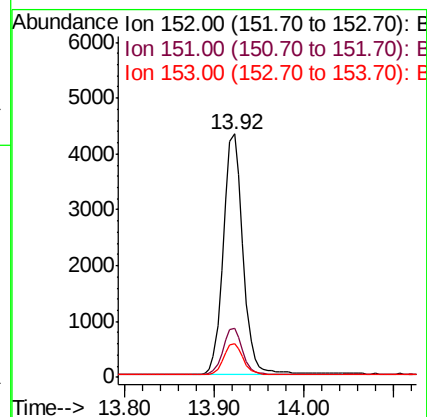
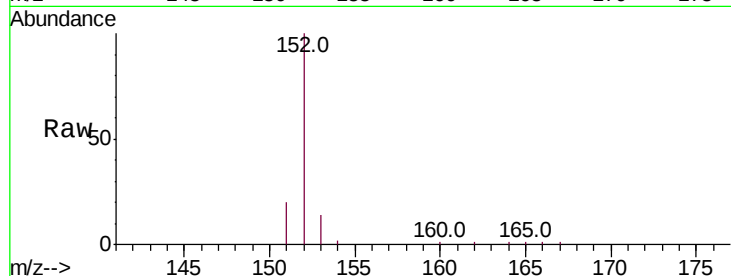
Tot Ion:152 Resp: 6613

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

153 13.7 10.7 16.1



#11

Acenaphthene

Concen: 0.217 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

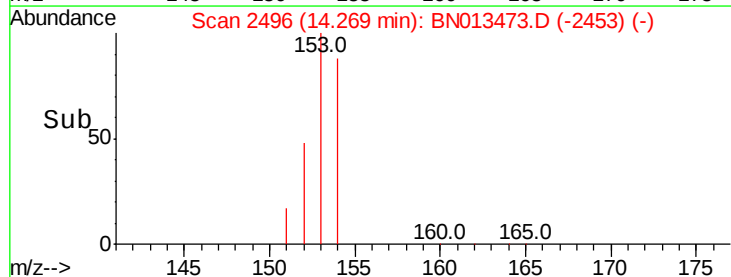
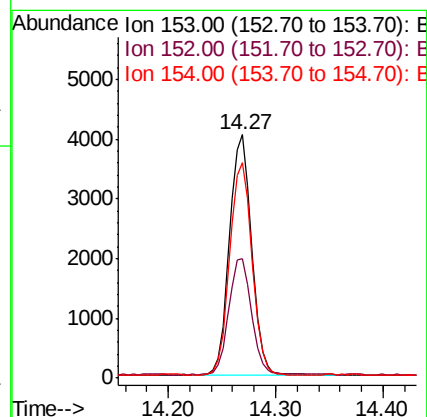
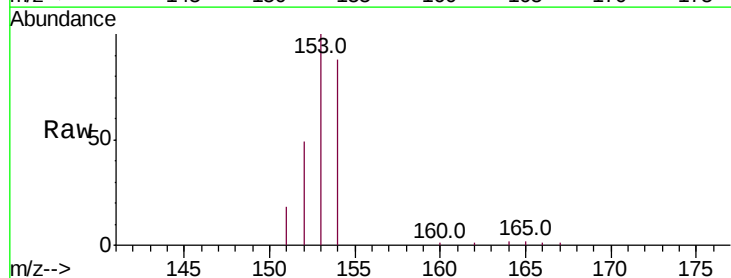
Tgt Ion:153 Resp: 5695

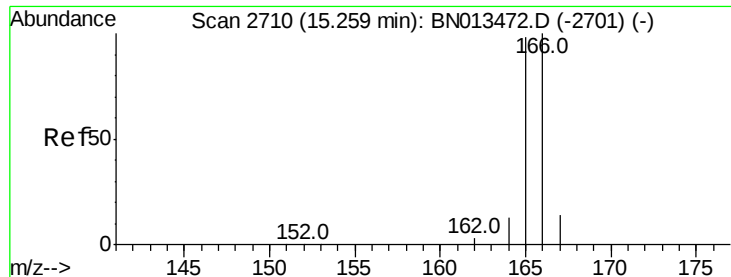
Ion Ratio Lower Upper

153 100

152 48.9 38.9 58.3

154 88.4 71.0 106.6





#12

Fluorene

Concen: 0.211 ng/ul

RT: 15.26 min Scan# 2710

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

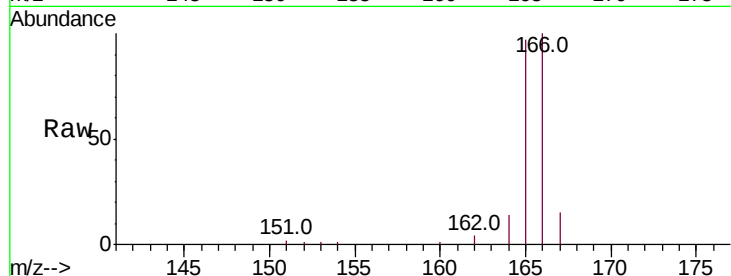
Tot Ion:166 Resp: 6265

Ion Ratio Lower Upper

166 100

165 96.8 76.1 114.1

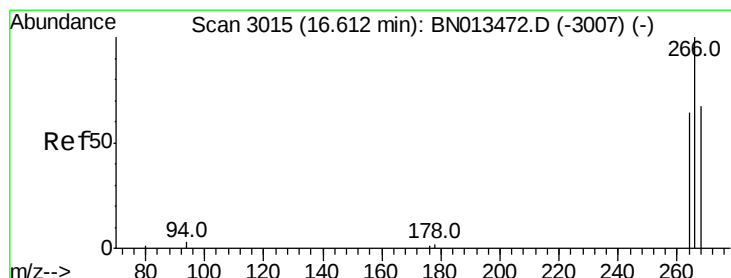
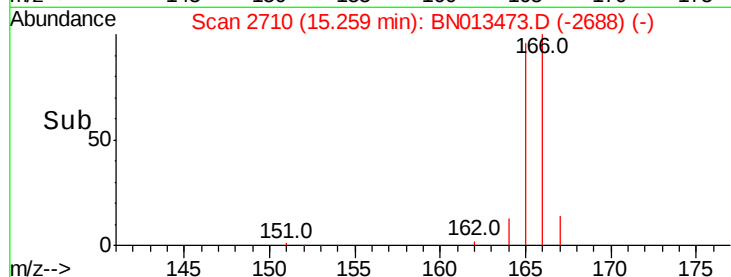
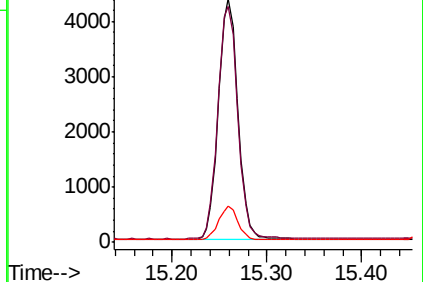
167 14.7 11.0 16.6



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: 0.120 ng/ul

RT: 16.61 min Scan# 3015

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

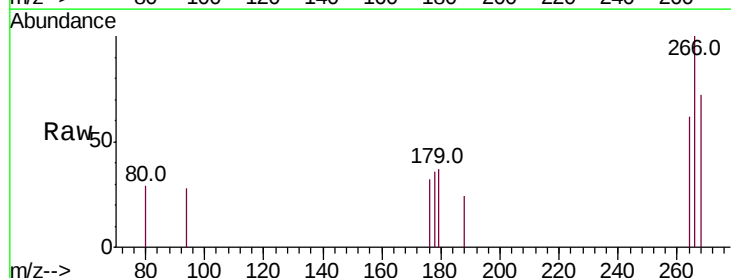
Tgt Ion:266 Resp: 292

Ion Ratio Lower Upper

266 100

264 66.1 50.0 75.0

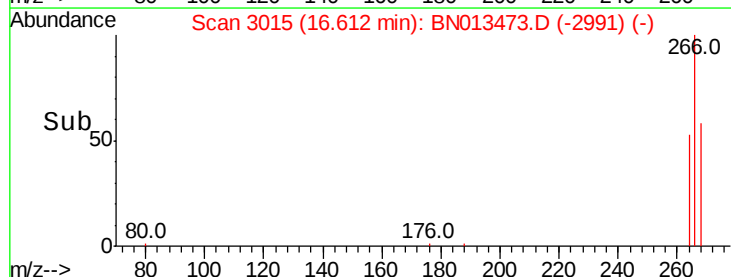
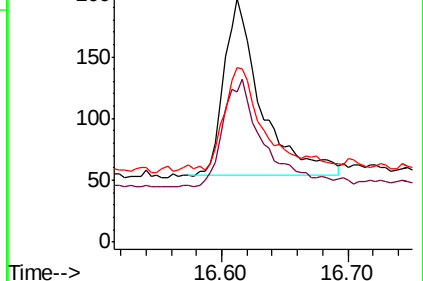
268 63.4 52.6 79.0

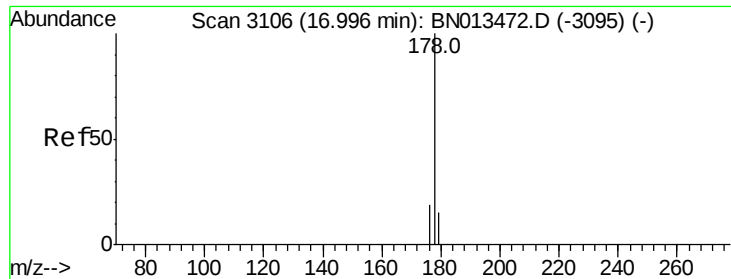


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.215 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

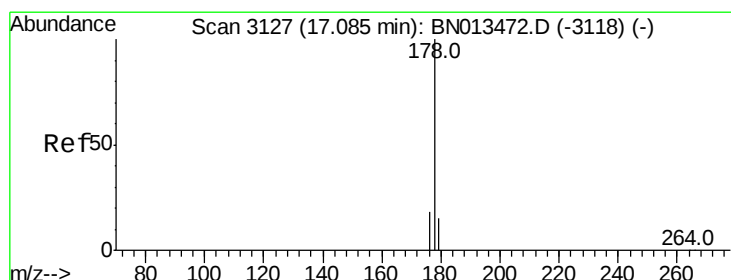
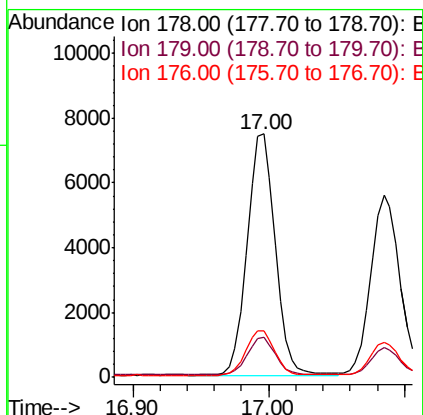
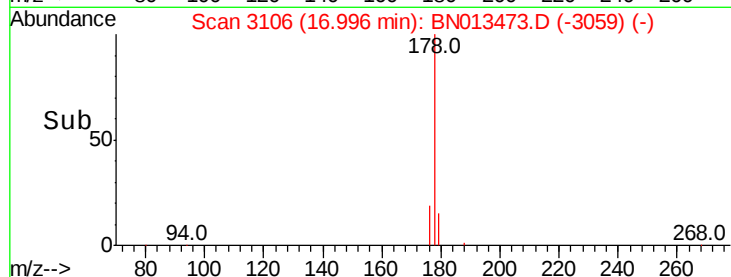
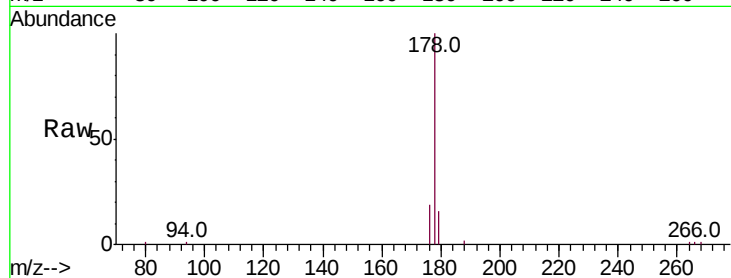
Tot Ion:178 Resp: 10677

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

176 19.2 15.4 23.0



#16

Anthracene

Concen: 0.203 ng/ul

RT: 17.08 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

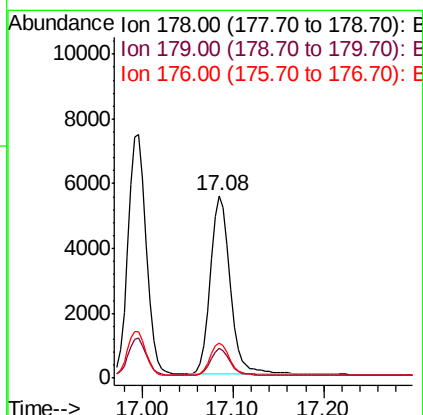
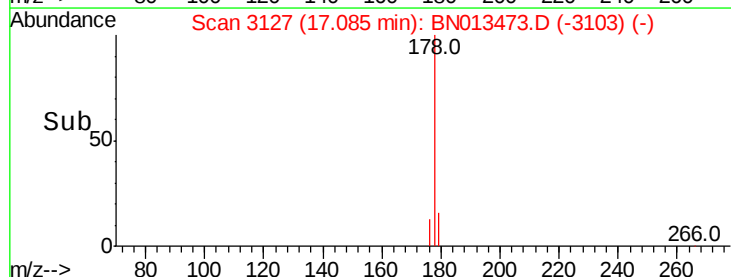
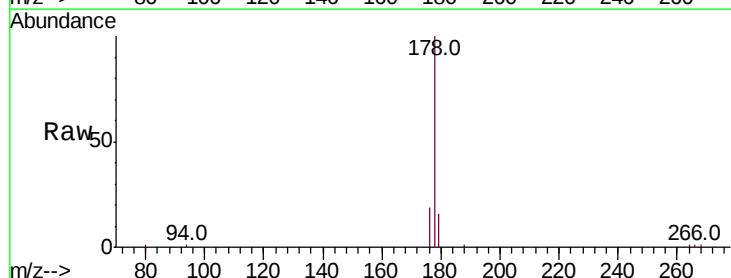
Tgt Ion:178 Resp: 8428

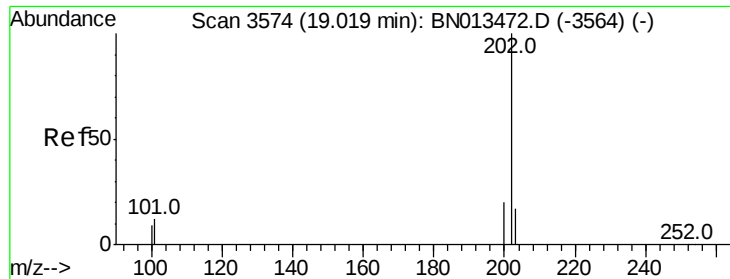
Ion Ratio Lower Upper

178 100

179 16.2 12.6 18.8

176 19.2 14.4 21.6





#19

Fluoranthene

Concen: 0.231 ng/ul

RT: 19.02 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

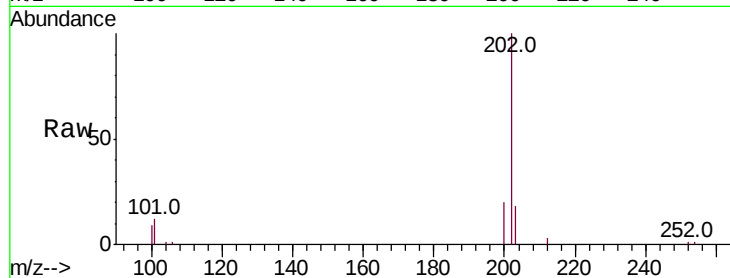
Tot Ion:202 Resp: 10965

Ion Ratio Lower Upper

202 100

101 12.0 8.9 13.3

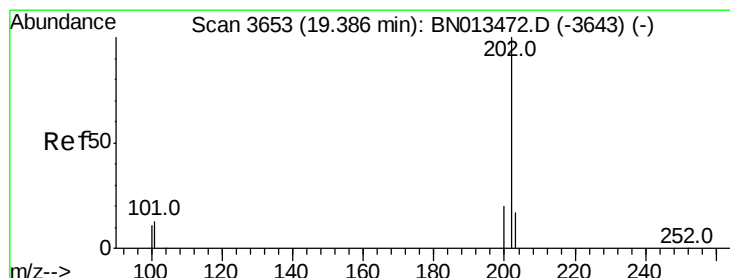
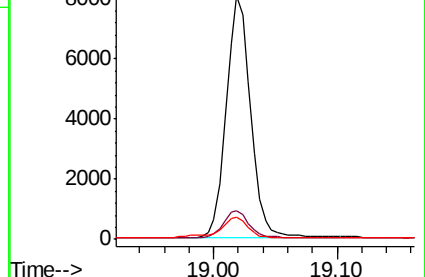
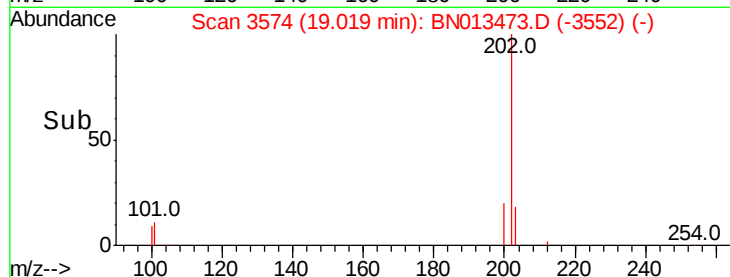
100 9.2 6.6 10.0



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: 0.232 ng/ul

RT: 19.39 min Scan# 3653

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

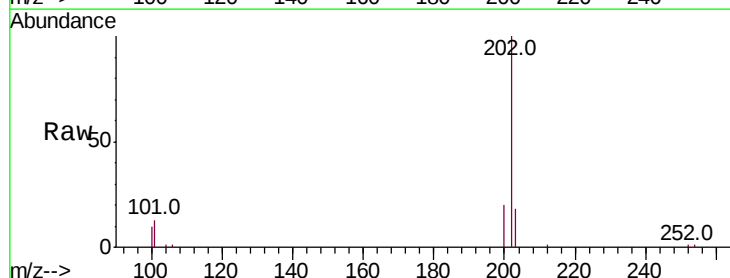
Tgt Ion:202 Resp: 11286

Ion Ratio Lower Upper

202 100

101 12.8 10.3 15.5

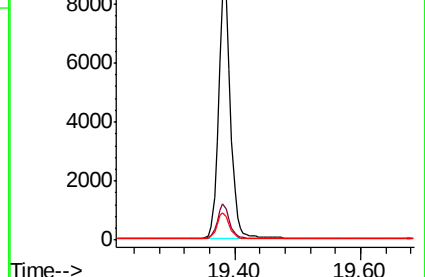
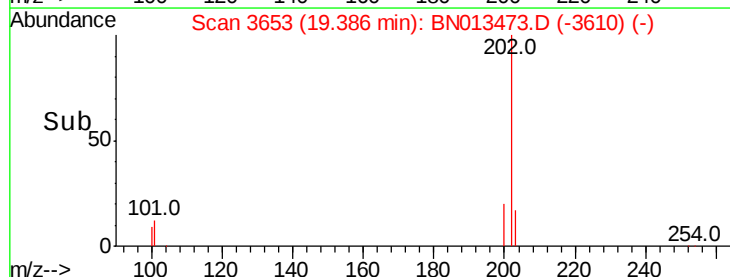
100 9.9 8.6 13.0

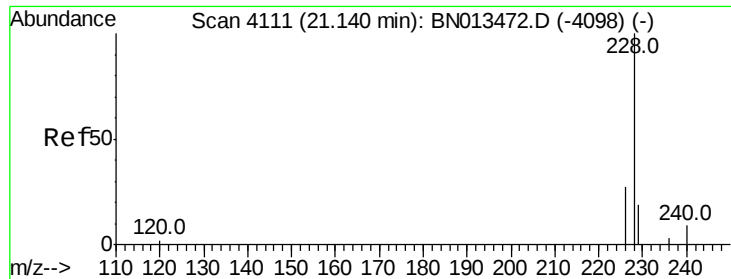


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.192 ng/ul

RT: 21.14 min Scan# 4111

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

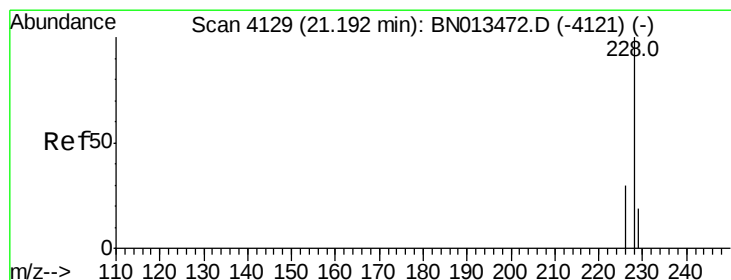
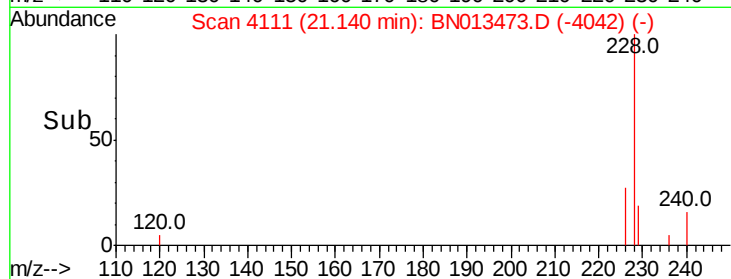
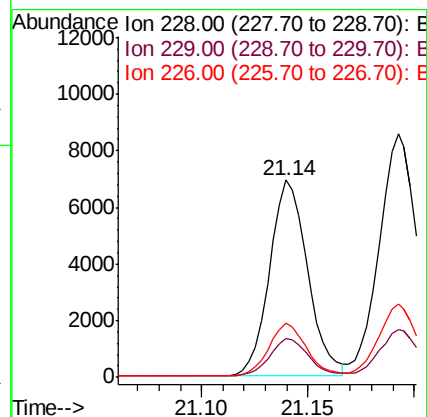
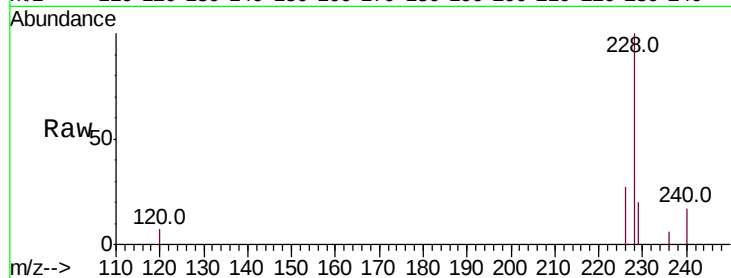
Tot Ion:228 Resp: 8589

Ion Ratio Lower Upper

228 100

229 19.5 15.5 23.3

226 27.2 21.6 32.4



#22

Chrysene

Concen: 0.231 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

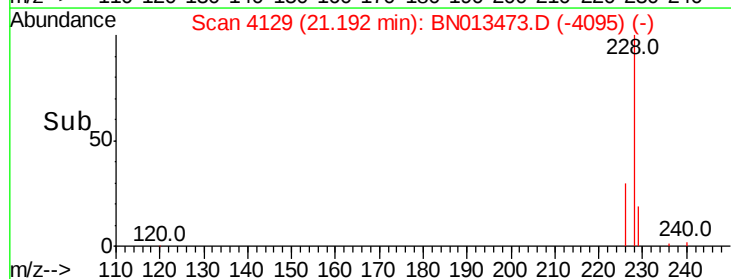
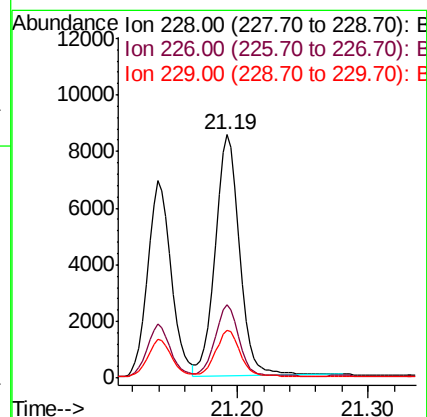
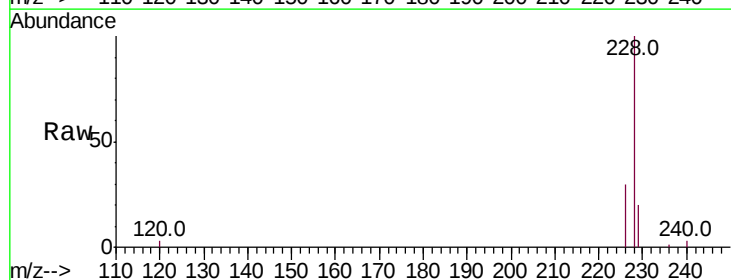
Tgt Ion:228 Resp: 10881

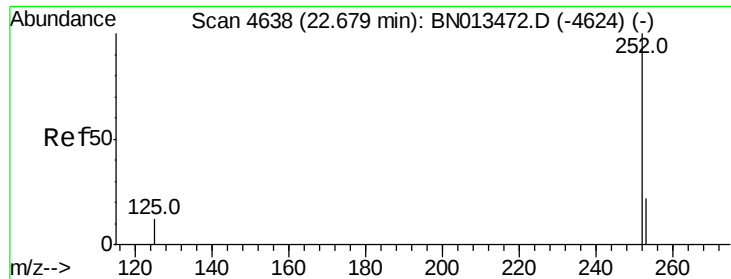
Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 19.5 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.247 ng/ul

RT: 22.68 min Scan# 4638

Delta R.T. 0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

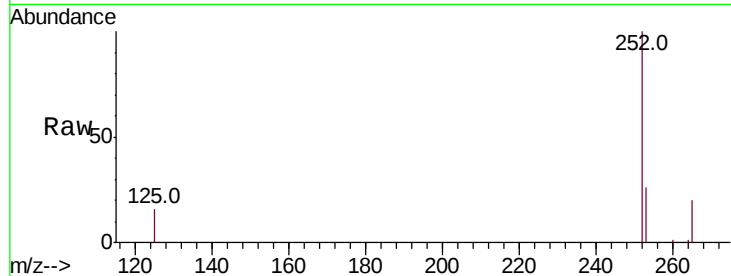
Tot Ion:252 Resp: 10404

Ion Ratio Lower Upper

252 100

253 26.3 0.0 46.6

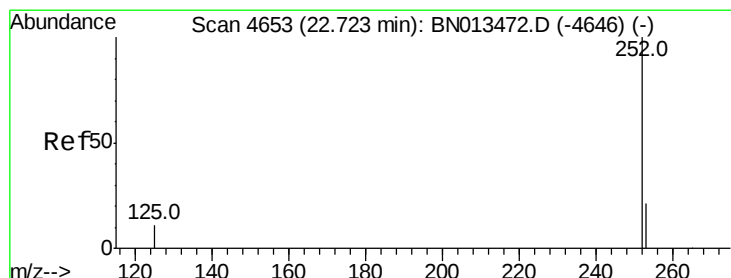
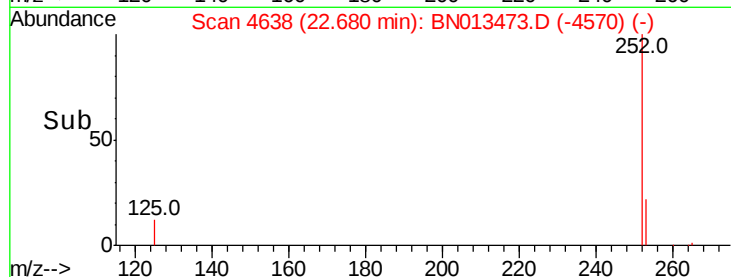
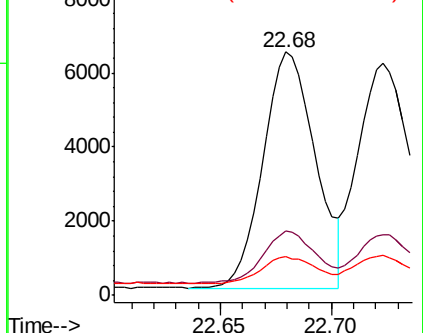
125 16.1 0.0 27.2



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: 0.225 ng/ul

RT: 22.68 min Scan# 4638

Delta R.T. -0.04 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

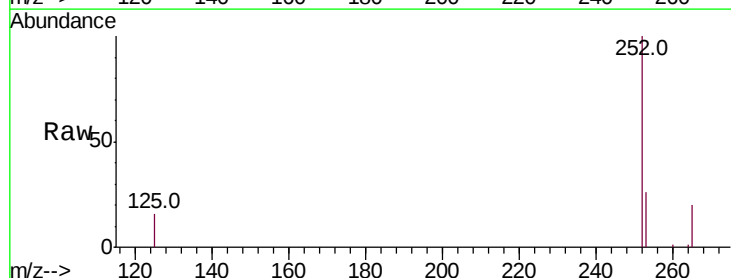
Tgt Ion:252 Resp: 10404

Ion Ratio Lower Upper

252 100

253 26.3 19.0 28.4

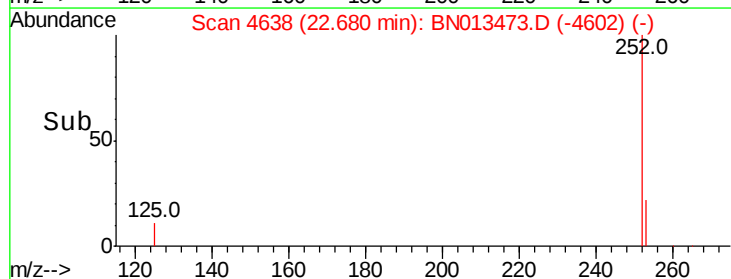
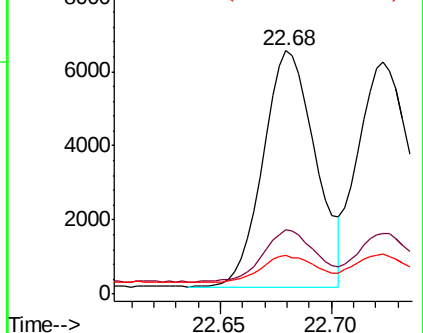
125 16.1 11.3 16.9

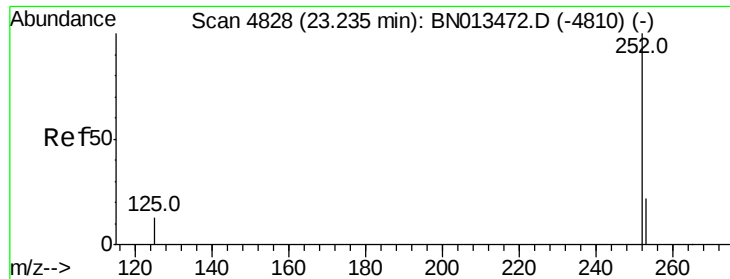


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.220 ng/ul

RT: 23.23 min Scan# 4827

Delta R.T. -0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

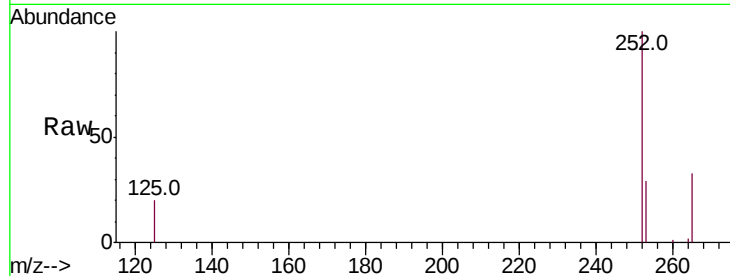
Tot Ion:252 Resp: 8109

Ion Ratio Lower Upper

252 100

253 29.1 19.8 29.8

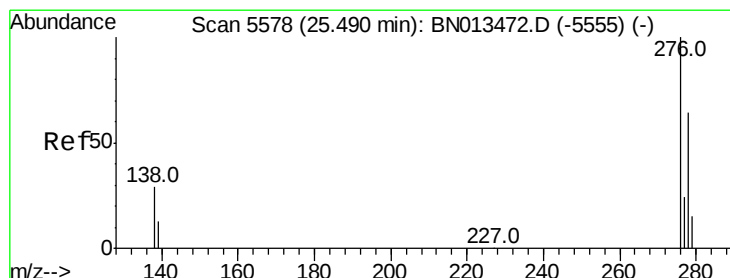
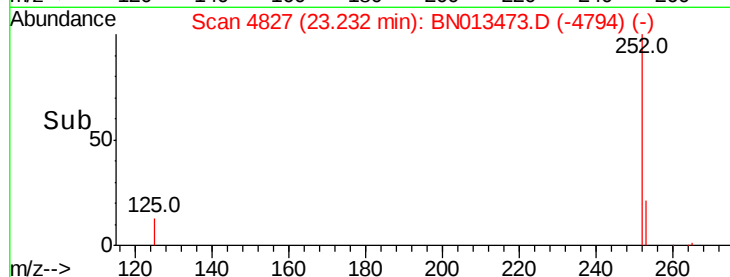
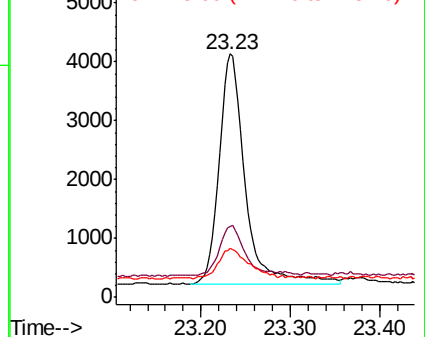
125 20.0 13.1 19.7#



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: 0.230 ng/ul

RT: 25.49 min Scan# 5577

Delta R.T. -0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

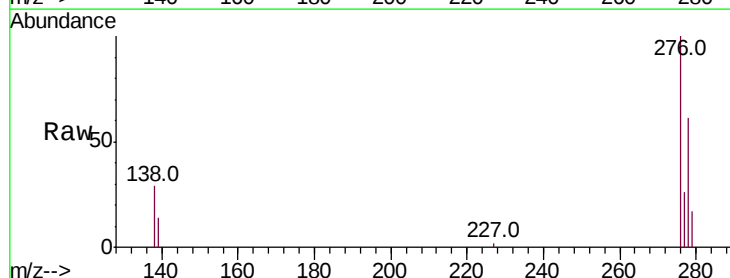
Tgt Ion:276 Resp: 11218

Ion Ratio Lower Upper

276 100

138 30.1 17.2 25.8#

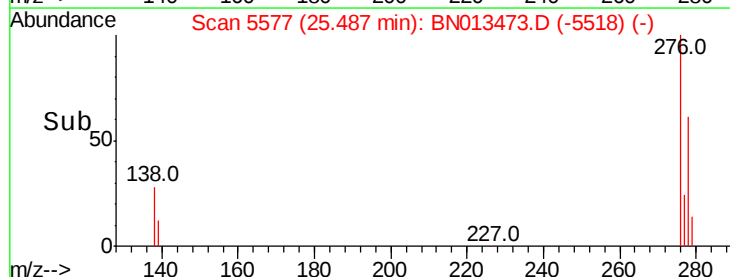
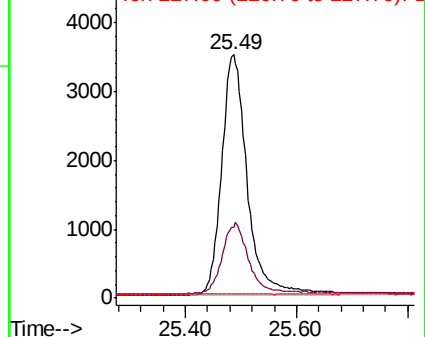
227 0.2 0.0 0.0#

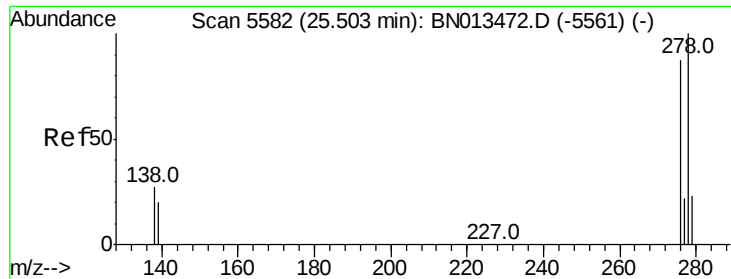


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.229 ng/ul

RT: 25.50 min Scan# 5581

Delta R.T. -0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

Instrument :

BNA_N

ClientSampleId :

SSTD0.2005

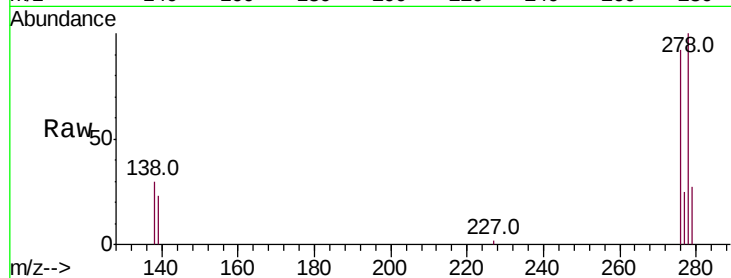
Tot Ion:278 Resp: 9025

Ion Ratio Lower Upper

278 100

139 22.5 16.2 24.2

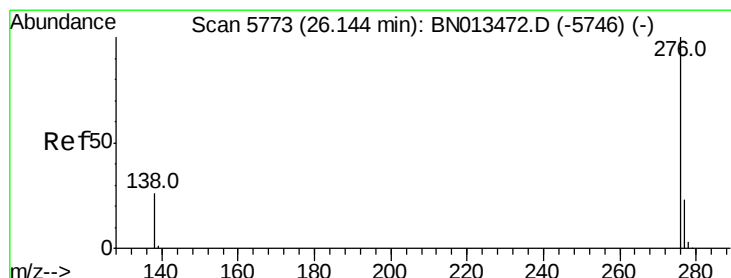
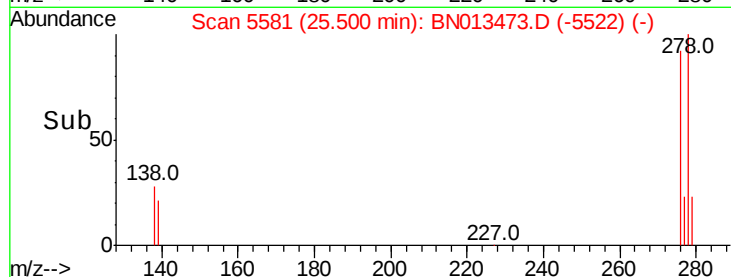
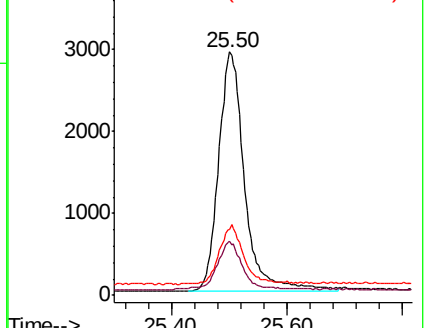
279 27.0 20.3 30.5



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: 0.248 ng/ul

RT: 26.14 min Scan# 5772

Delta R.T. -0.00 min

Lab File: BN013473.D

Acq: 25 Jan 2021 18:20

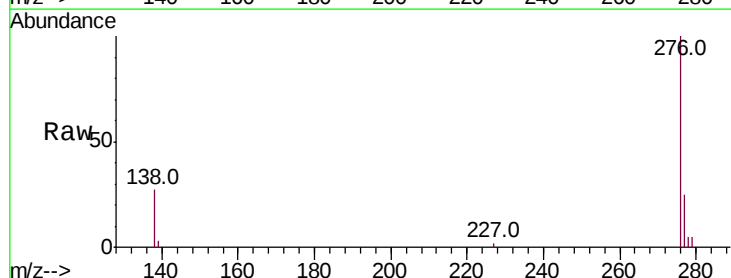
Tgt Ion:276 Resp: 10204

Ion Ratio Lower Upper

276 100

138 27.0 20.2 30.2

277 25.2 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

