

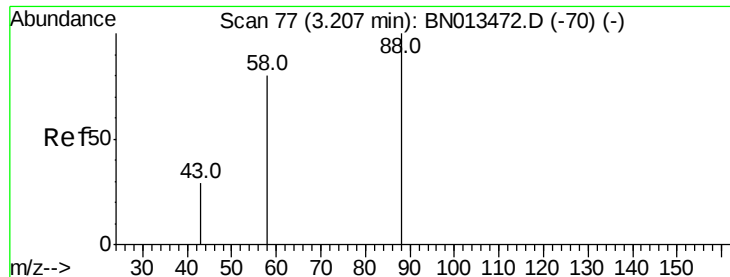
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012521\
 Data File : BN013474.D
 Acq On : 25 Jan 2021 18:56
 Operator : CG/JU
 Sample : SST00.406
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST00.4006

Quant Time: Jan 25 22:20:51 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	4233	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	15543	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.21	164	7919	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	16438	0.40	ng/ul	0.00
17) Chrysene-d12	21.16	240	13601	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	11590	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	1662	0.38	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.93	152	8792	0.39	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	15911	0.45	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.21	88	1638	0.377	ng/ul	97
5) Naphthalene	10.38	128	17198	0.396	ng/ul	100
7) 2-Methylnaphthalene	12.00	142	11432	0.407	ng/ul	100
8) 1-Methylnaphthalene	12.22	142	10914	0.403	ng/ul	99
10) Acenaphthylene	13.92	152	12812	0.389	ng/ul	100
11) Acenaphthene	14.27	153	11032	0.391	ng/ul	99
12) Fluorene	15.26	166	12295	0.385	ng/ul	97
14) Pentachlorophenol	16.61	266	698	0.272	ng/ul	97
15) Phenanthrene	17.00	178	20362	0.387	ng/ul	100
16) Anthracene	17.09	178	16406	0.374	ng/ul	99
19) Fluoranthene	19.02	202	21152	0.423	ng/ul	100
20) Pyrene	19.38	202	21211	0.414	ng/ul	99
21) Benzo(a)anthracene	21.14	228	16428	0.349	ng/ul	100
22) Chrysene	21.19	228	20694	0.416	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	19400	0.440	ng/ul	98
25) Benzo(k)fluoranthene	22.72	252	20470	0.423	ng/ul	100
26) Benzo(a)pyrene	23.23	252	15048	0.389	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.49	276	21489	0.421	ng/ul#	81
28) Dibenzo(a,h)anthracene	25.50	278	17355	0.419	ng/ul	100
29) Benzo(g,h,i)perylene	26.14	276	18773	0.435	ng/ul	98

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



#2

1,4-Dioxane

Concen: 0.377 ng/ul

RT: 3.21 min Scan# 77

Delta R.T. 0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

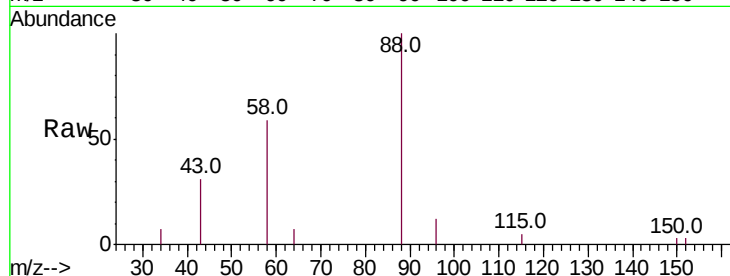
Tot Ion: 88 Resp: 1638

Ion Ratio Lower Upper

88 100

43 30.6 26.9 40.3

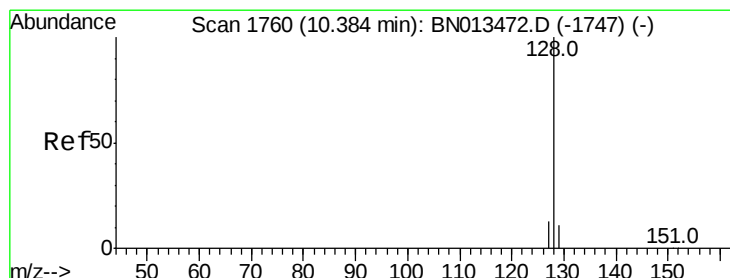
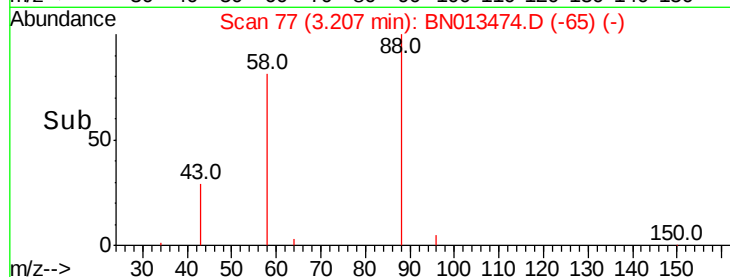
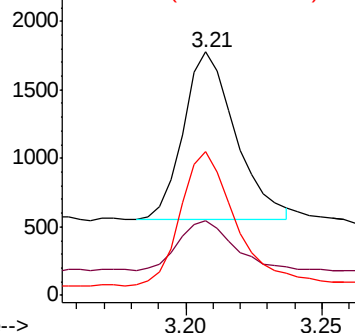
58 58.9 45.8 68.6



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: 0.396 ng/ul

RT: 10.38 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

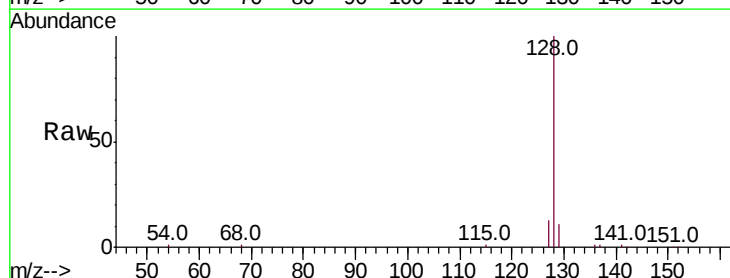
Tgt Ion: 128 Resp: 17198

Ion Ratio Lower Upper

128 100

129 11.4 9.2 13.8

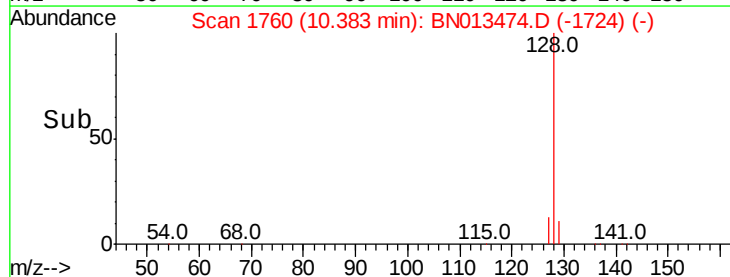
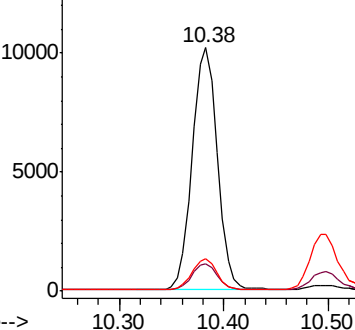
127 13.1 10.7 16.1

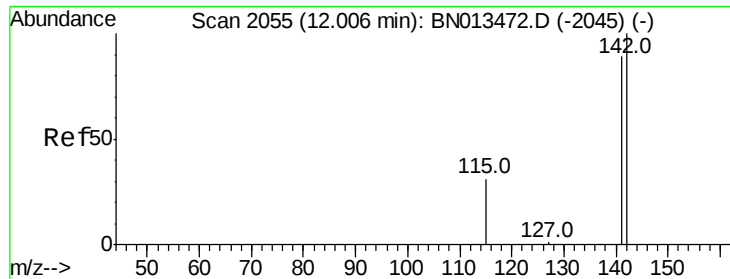


Abundance Ion 128.00 (127.70 to 128.70): BN013472.D (-1747) (-)

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: 0.407 ng/ul

RT: 12.00 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

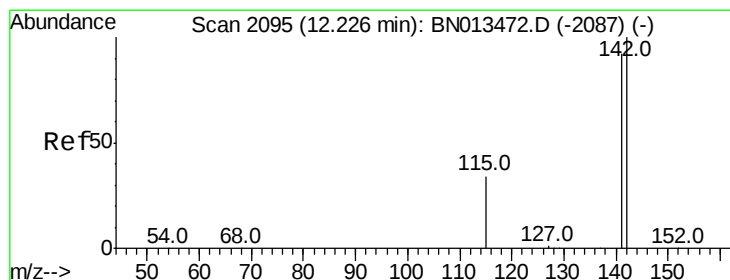
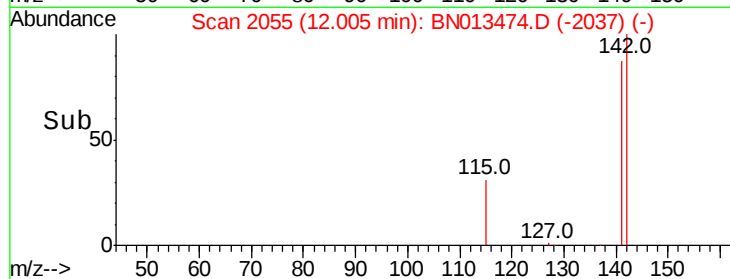
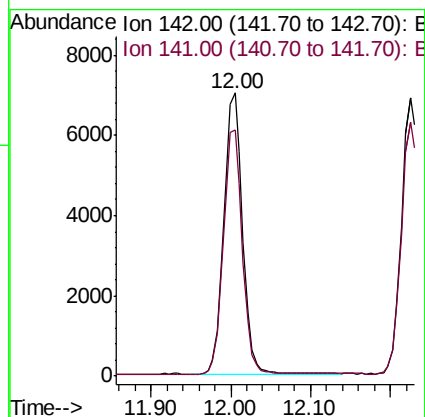
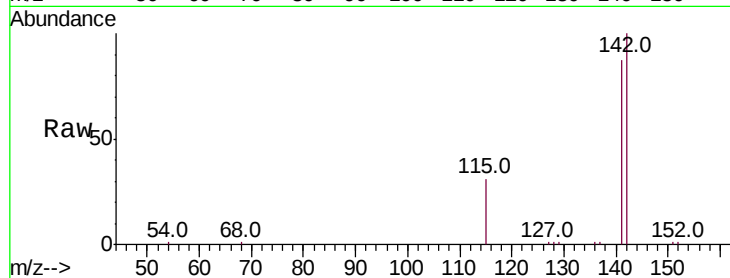
SSTD0.4006

Tot Ion:142 Resp: 11432

Ion Ratio Lower Upper

142 100

141 88.5 70.9 106.3



#8

1-Methylnaphthalene

Concen: 0.403 ng/ul

RT: 12.22 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN013474.D

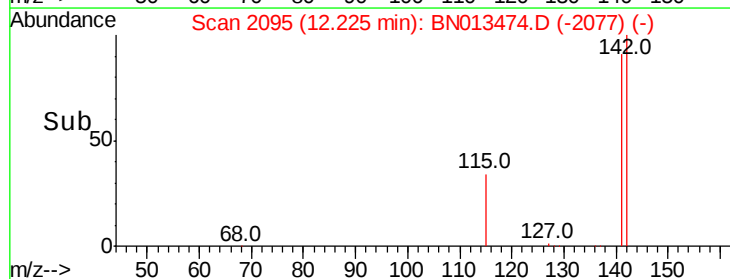
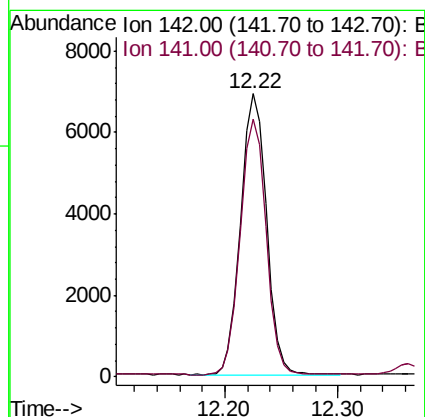
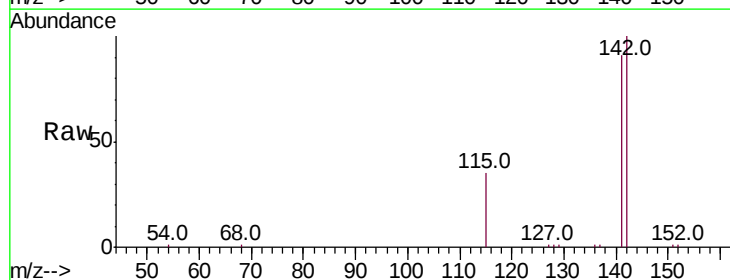
Acq: 25 Jan 2021 18:56

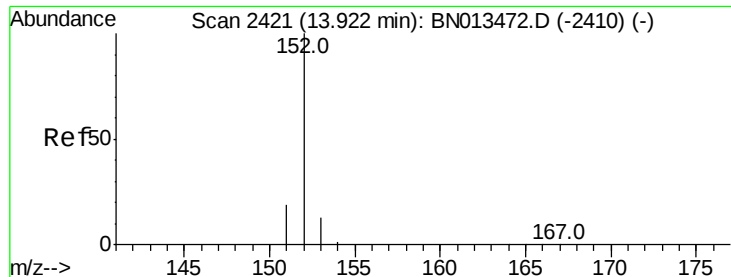
Tgt Ion:142 Resp: 10914

Ion Ratio Lower Upper

142 100

141 91.0 73.3 109.9





#10

Acenaphthylene

Concen: 0.389 ng/ul

RT: 13.92 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

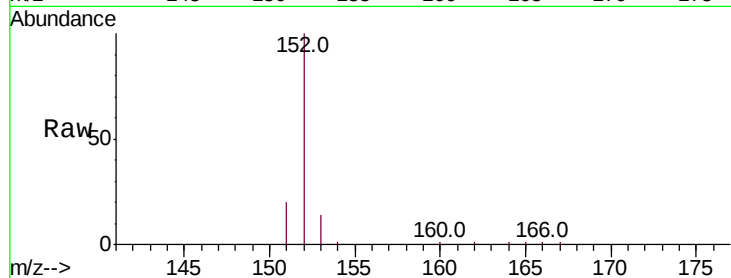
Tot Ion:152 Resp: 12812

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

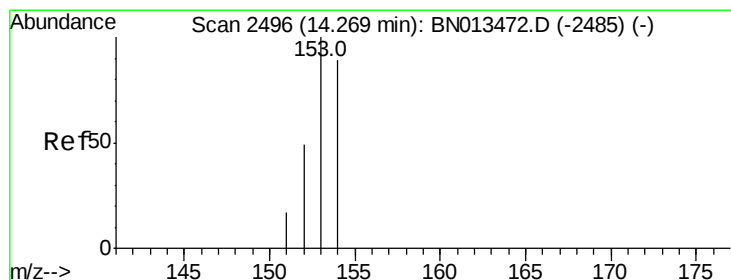
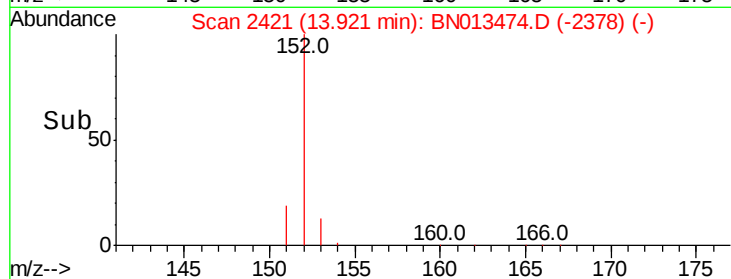
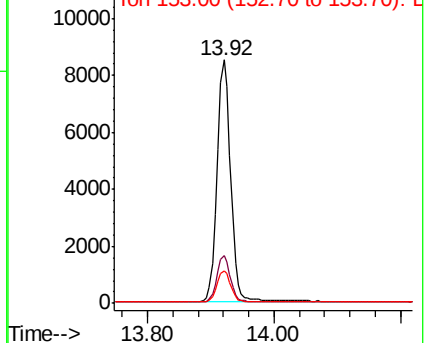
153 13.6 10.7 16.1



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: 0.391 ng/ul

RT: 14.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

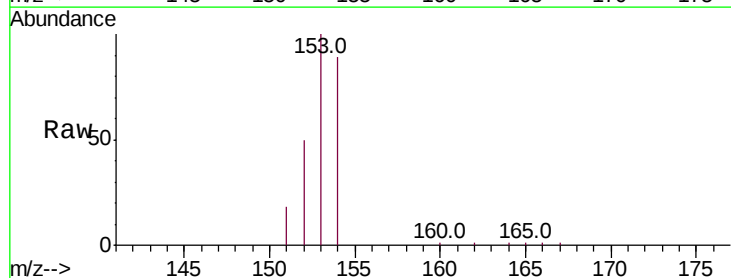
Tgt Ion:153 Resp: 11032

Ion Ratio Lower Upper

153 100

152 49.7 38.9 58.3

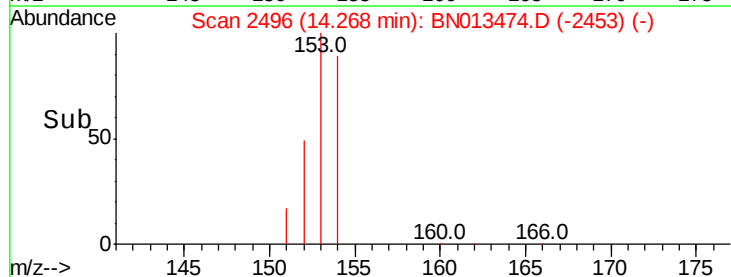
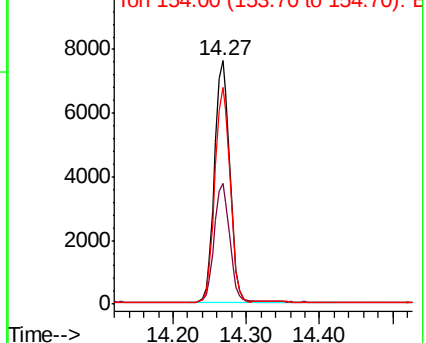
154 89.2 71.0 106.6

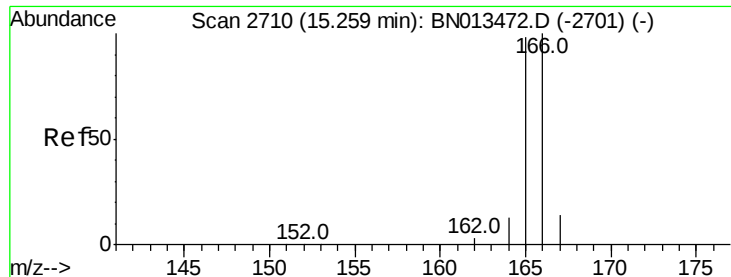


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.385 ng/ul

RT: 15.26 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

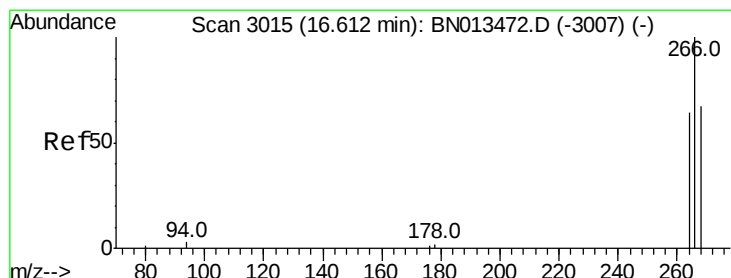
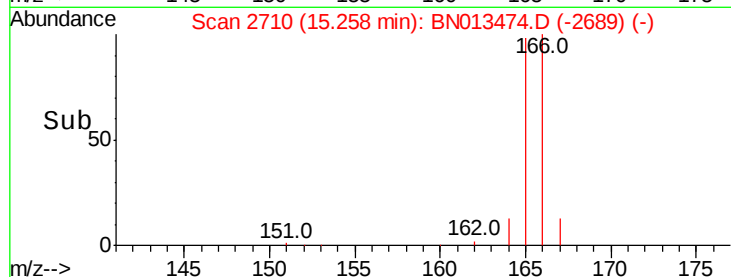
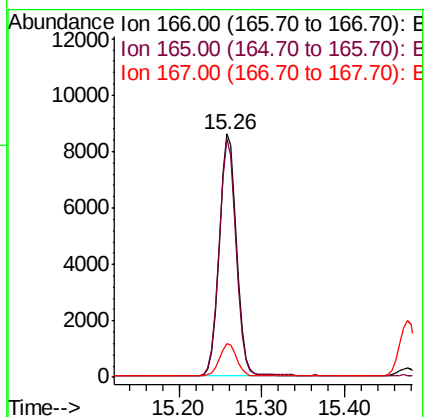
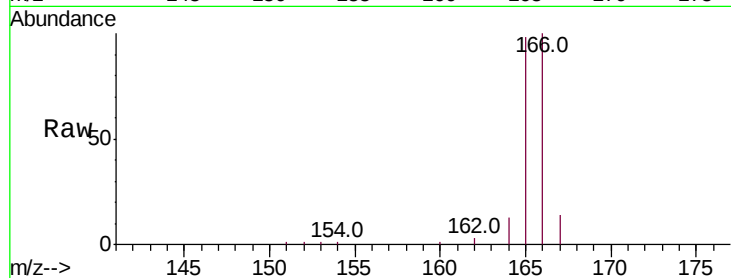
Tot Ion:166 Resp: 12295

Ion Ratio Lower Upper

166 100

165 98.1 76.1 114.1

167 13.9 11.0 16.6



#14

Pentachlorophenol

Concen: 0.272 ng/ul

RT: 16.61 min Scan# 3015

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

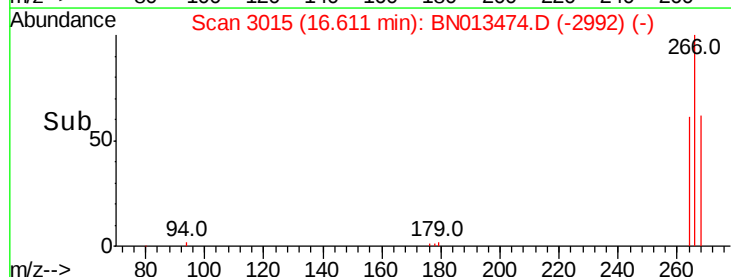
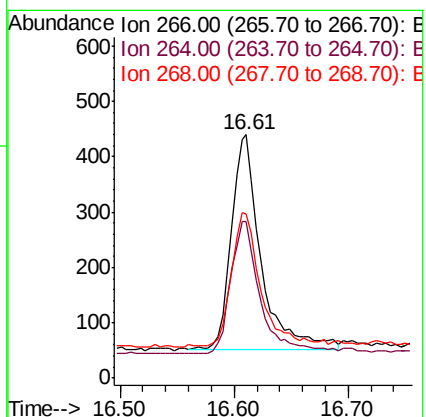
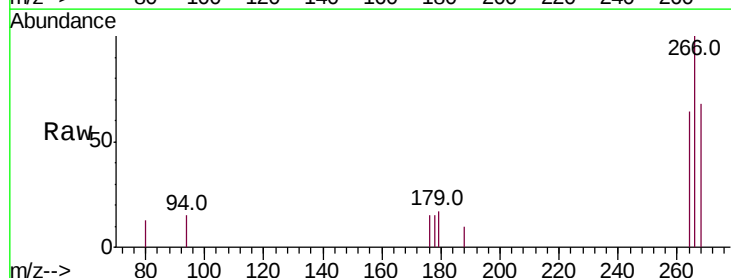
Tgt Ion:266 Resp: 698

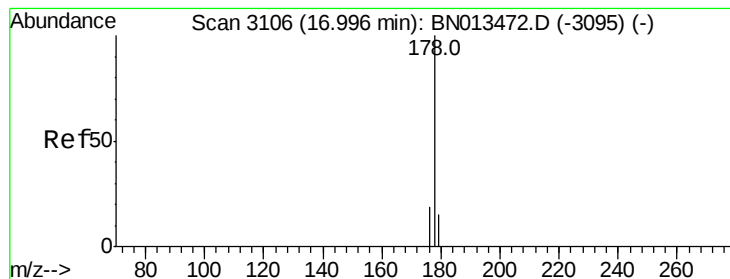
Ion Ratio Lower Upper

266 100

264 61.5 50.0 75.0

268 62.6 52.6 79.0





#15

Phenanthrene

Concen: 0.387 ng/ul

RT: 17.00 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

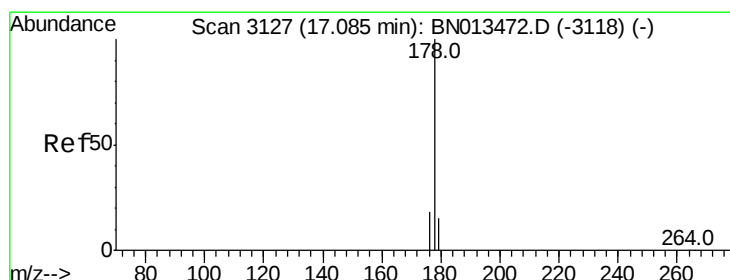
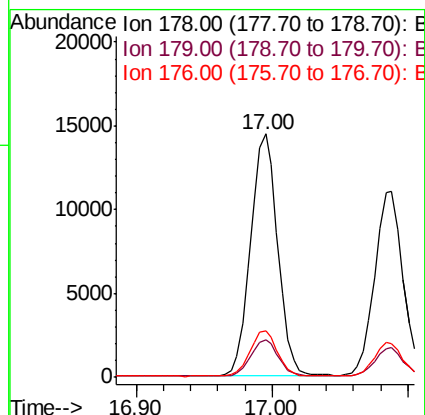
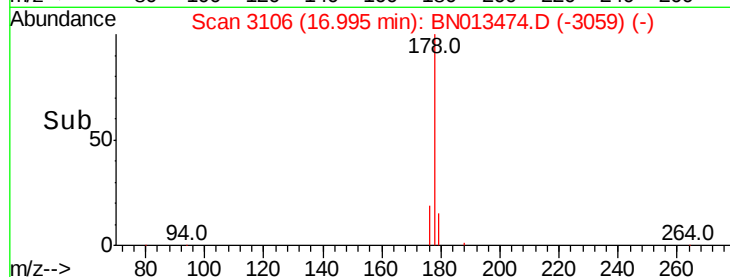
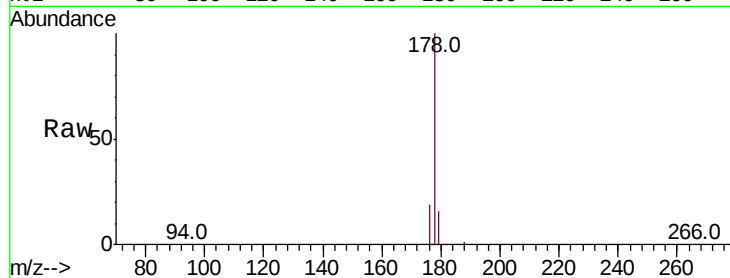
Tot Ion:178 Resp: 20362

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 19.2 15.4 23.0



#16

Anthracene

Concen: 0.374 ng/ul

RT: 17.09 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

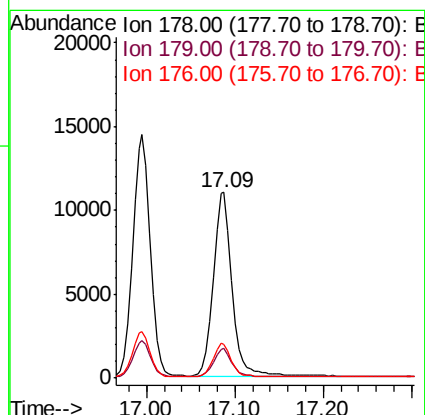
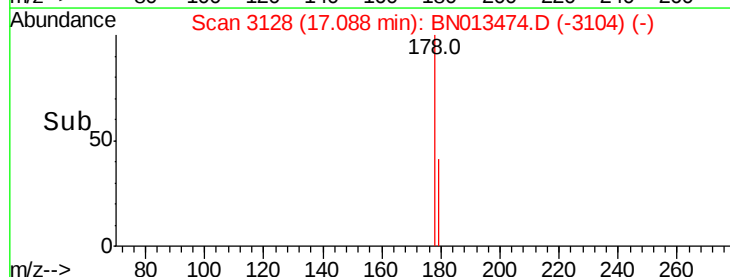
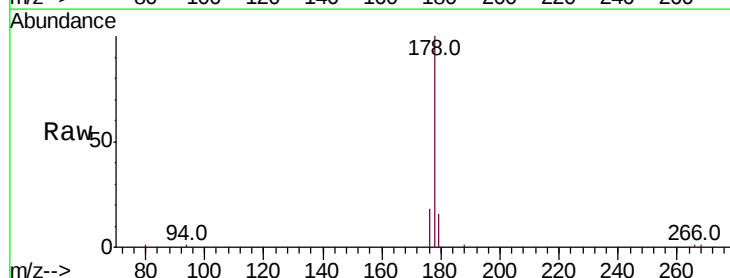
Tgt Ion:178 Resp: 16406

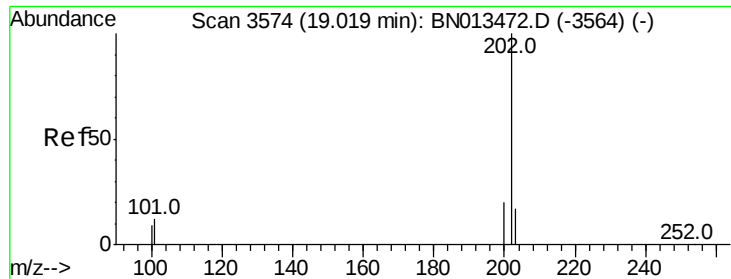
Ion Ratio Lower Upper

178 100

179 16.2 12.6 18.8

176 18.1 14.4 21.6





#19

Fluoranthene

Concen: 0.423 ng/ul

RT: 19.02 min Scan# 3575

Delta R.T. 0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

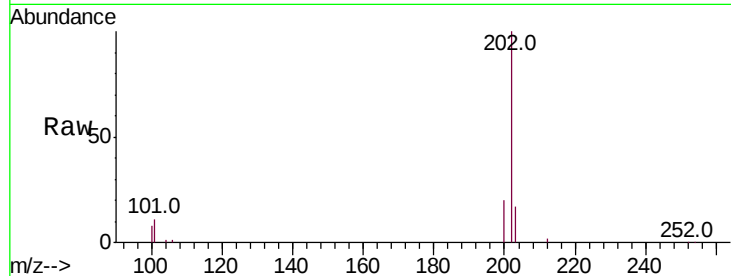
Tot Ion:202 Resp: 21152

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

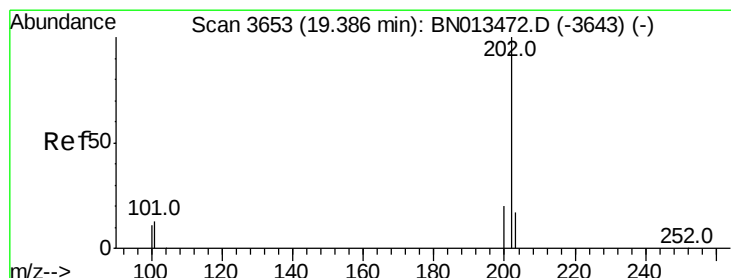
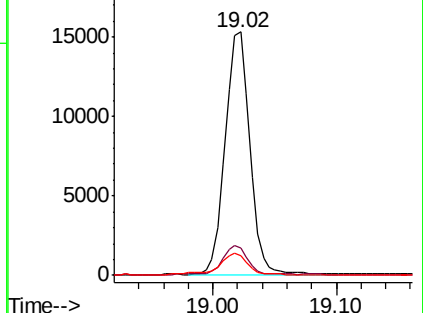
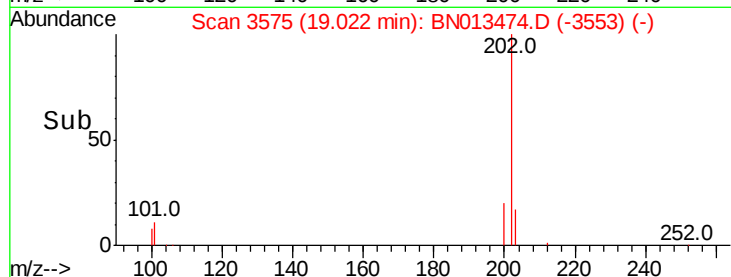
100 8.3 6.6 10.0



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: 0.414 ng/ul

RT: 19.38 min Scan# 3653

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

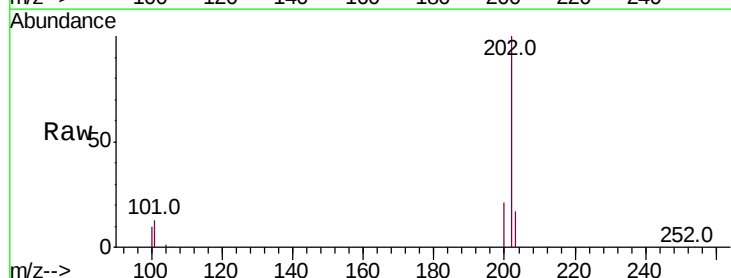
Tgt Ion:202 Resp: 21211

Ion Ratio Lower Upper

202 100

101 12.7 10.3 15.5

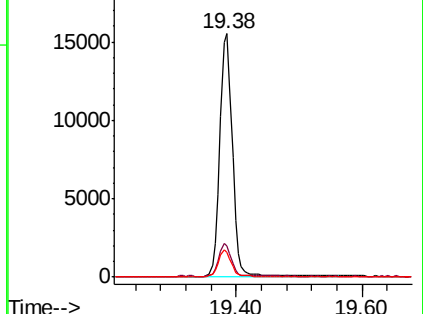
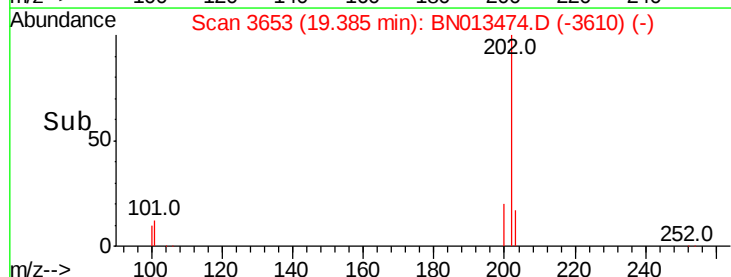
100 10.2 8.6 13.0

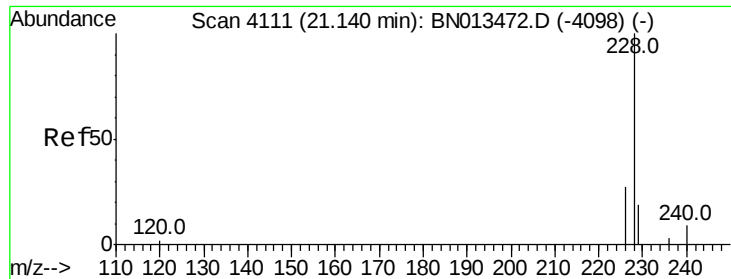


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.349 ng/ul

RT: 21.14 min Scan# 4112

Delta R.T. 0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

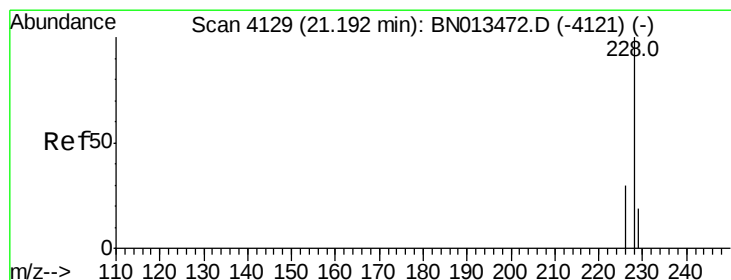
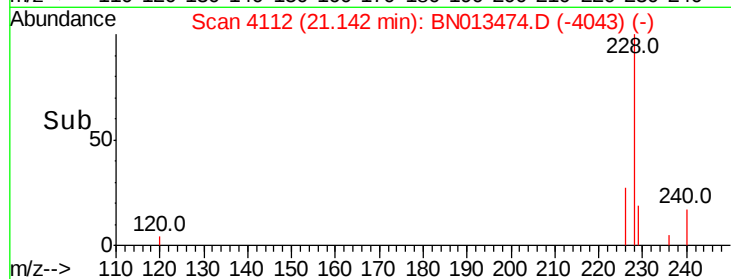
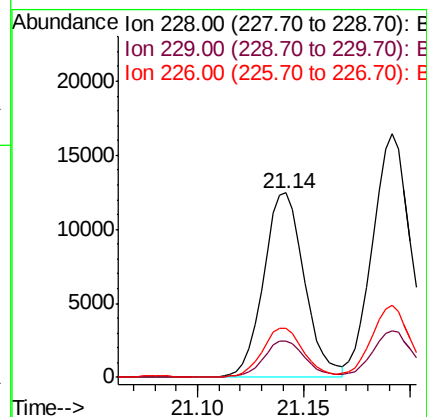
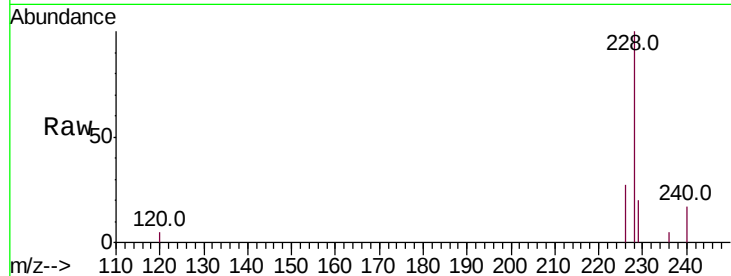
Tot Ion:228 Resp: 16428

Ion Ratio Lower Upper

228 100

229 19.7 15.5 23.3

226 26.9 21.6 32.4



#22

Chrysene

Concen: 0.416 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

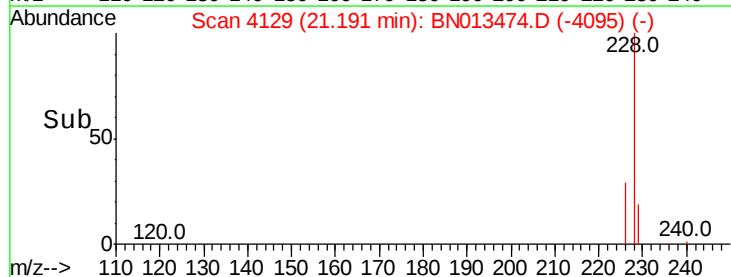
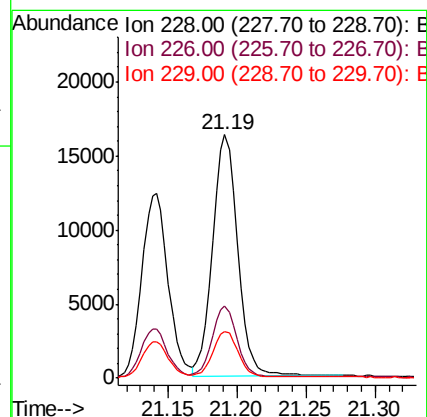
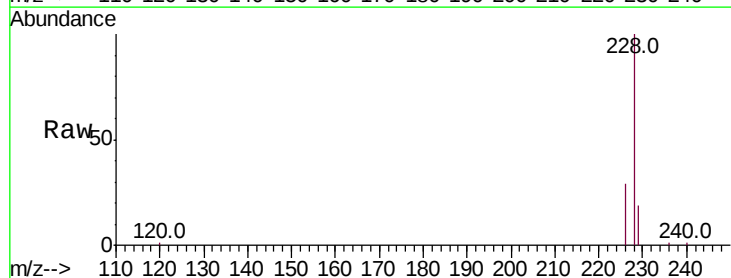
Tgt Ion:228 Resp: 20694

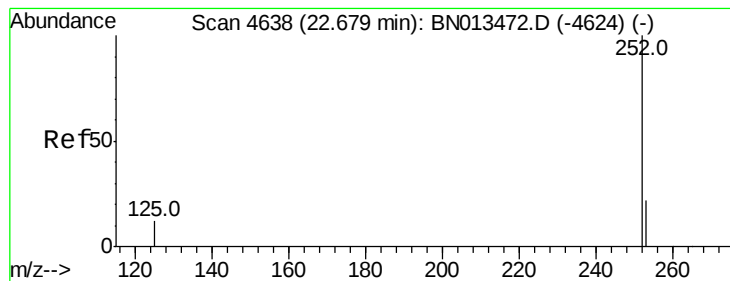
Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

229 19.3 15.8 23.8





#24

Benzo(b)fluoranthene

Concen: 0.440 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

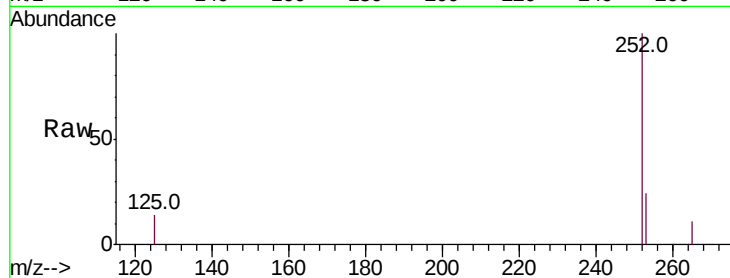
Tot Ion:252 Resp: 19400

Ion Ratio Lower Upper

252 100

253 24.1 0.0 46.6

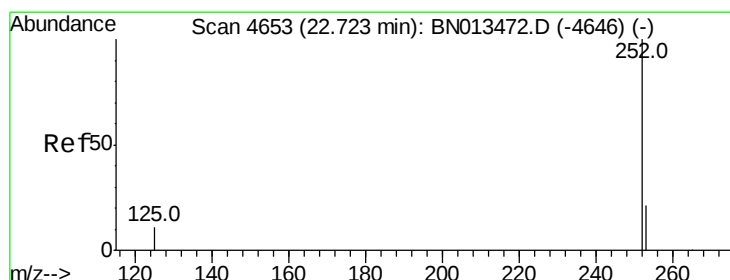
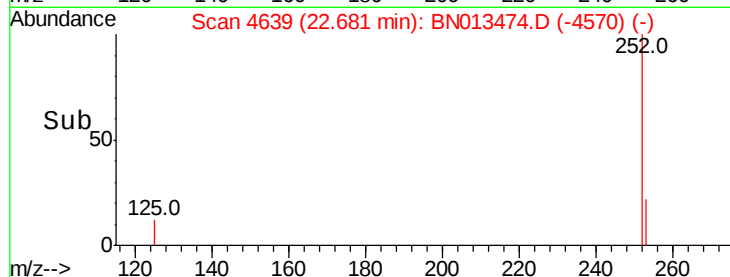
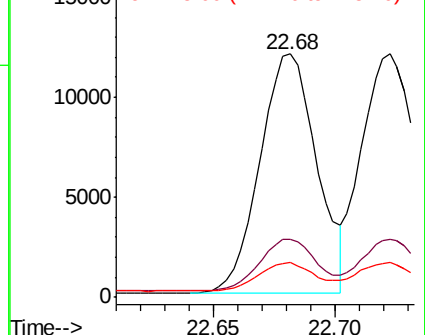
125 14.3 0.0 27.2



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: 0.423 ng/ul

RT: 22.72 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

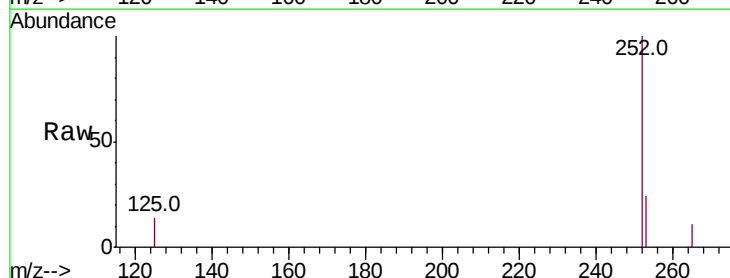
Tgt Ion:252 Resp: 20470

Ion Ratio Lower Upper

252 100

253 23.6 19.0 28.4

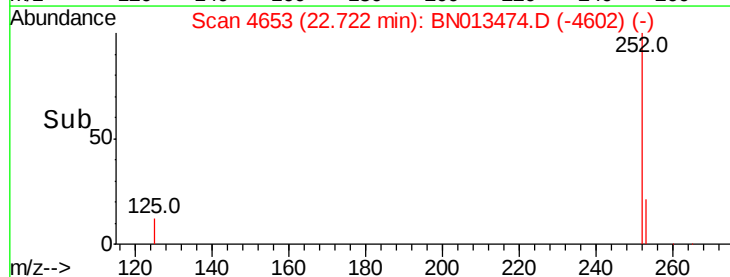
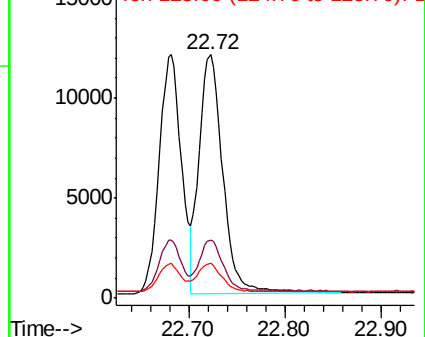
125 14.5 11.3 16.9

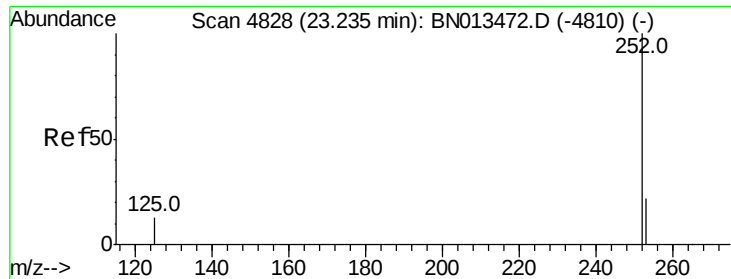


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.389 ng/ul

RT: 23.23 min Scan# 4827

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

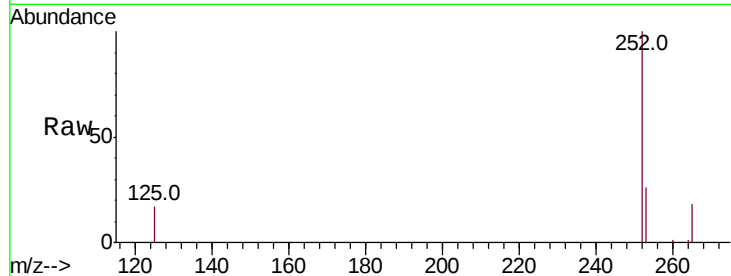
Tot Ion:252 Resp: 15048

Ion Ratio Lower Upper

252 100

253 25.6 19.8 29.8

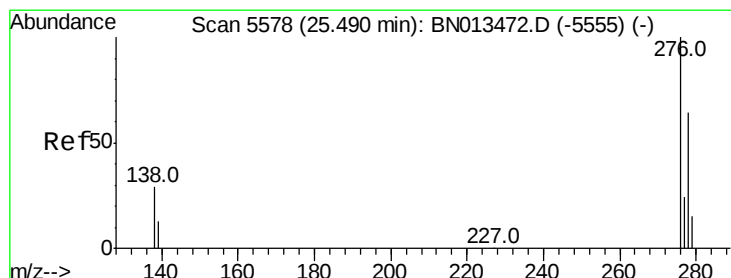
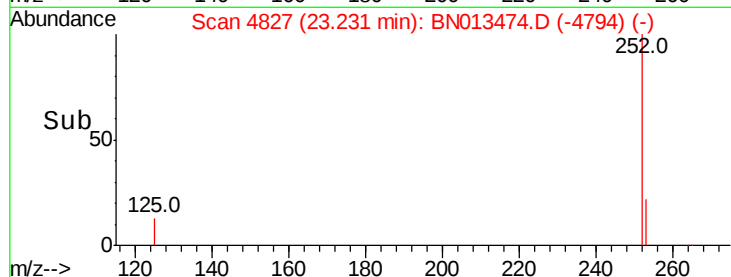
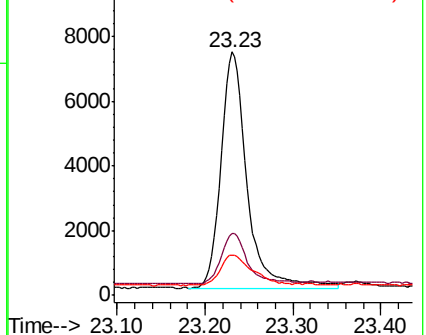
125 16.5 13.1 19.7



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: 0.421 ng/ul

RT: 25.49 min Scan# 5577

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

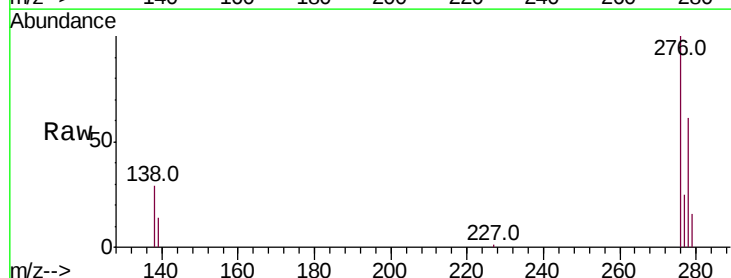
Tgt Ion:276 Resp: 21489

Ion Ratio Lower Upper

276 100

138 30.3 17.2 25.8#

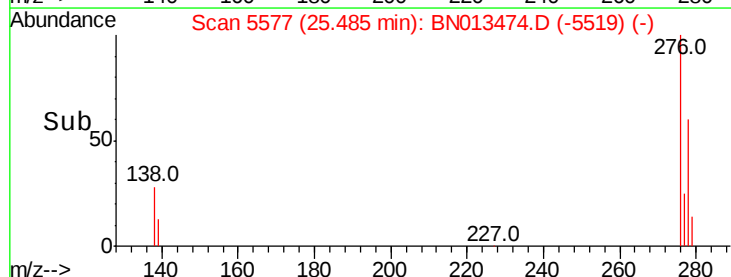
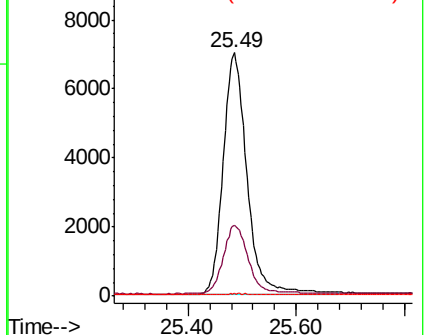
227 0.2 0.0 0.0#

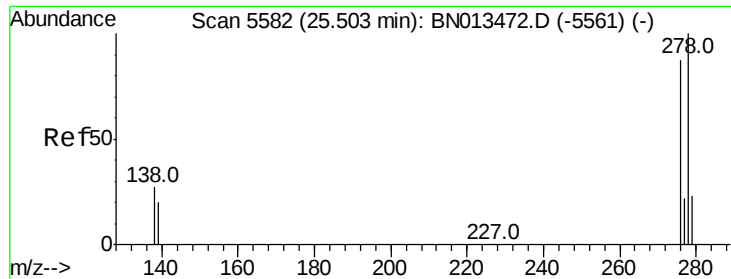


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.419 ng/ul

RT: 25.50 min Scan# 5582

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

Instrument :

BNA_N

ClientSampleId :

SSTD0.4006

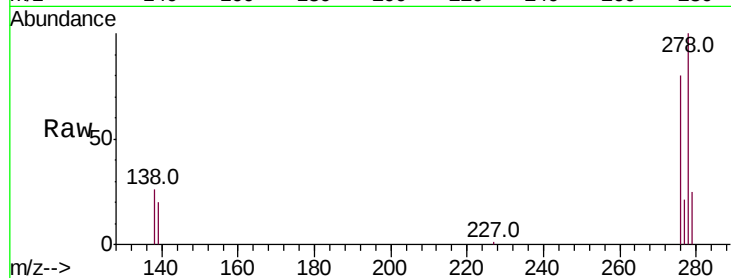
Tot Ion:278 Resp: 17355

Ion Ratio Lower Upper

278 100

139 20.2 16.2 24.2

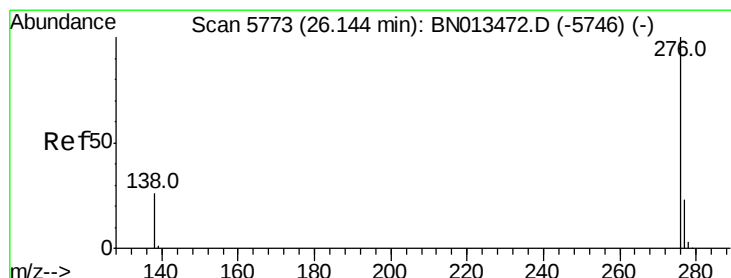
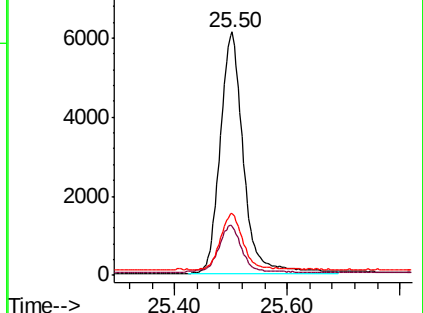
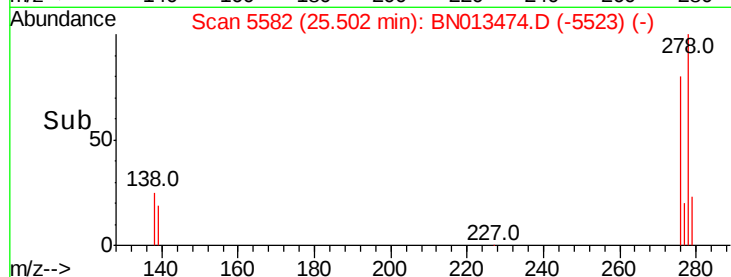
279 25.3 20.3 30.5



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: 0.435 ng/ul

RT: 26.14 min Scan# 5772

Delta R.T. -0.00 min

Lab File: BN013474.D

Acq: 25 Jan 2021 18:56

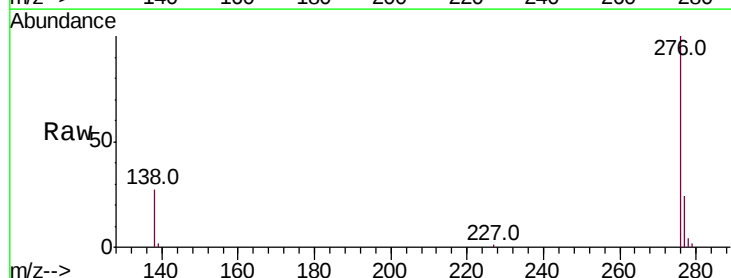
Tgt Ion:276 Resp: 18773

Ion Ratio Lower Upper

276 100

138 27.1 20.2 30.2

277 24.4 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

