

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012972.D
 Acq On : 08 Dec 2020 12:45
 Operator : CG/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.431

Quant Time: Dec 08 13:43:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:24:06 2020
 Response via : Initial Calibration

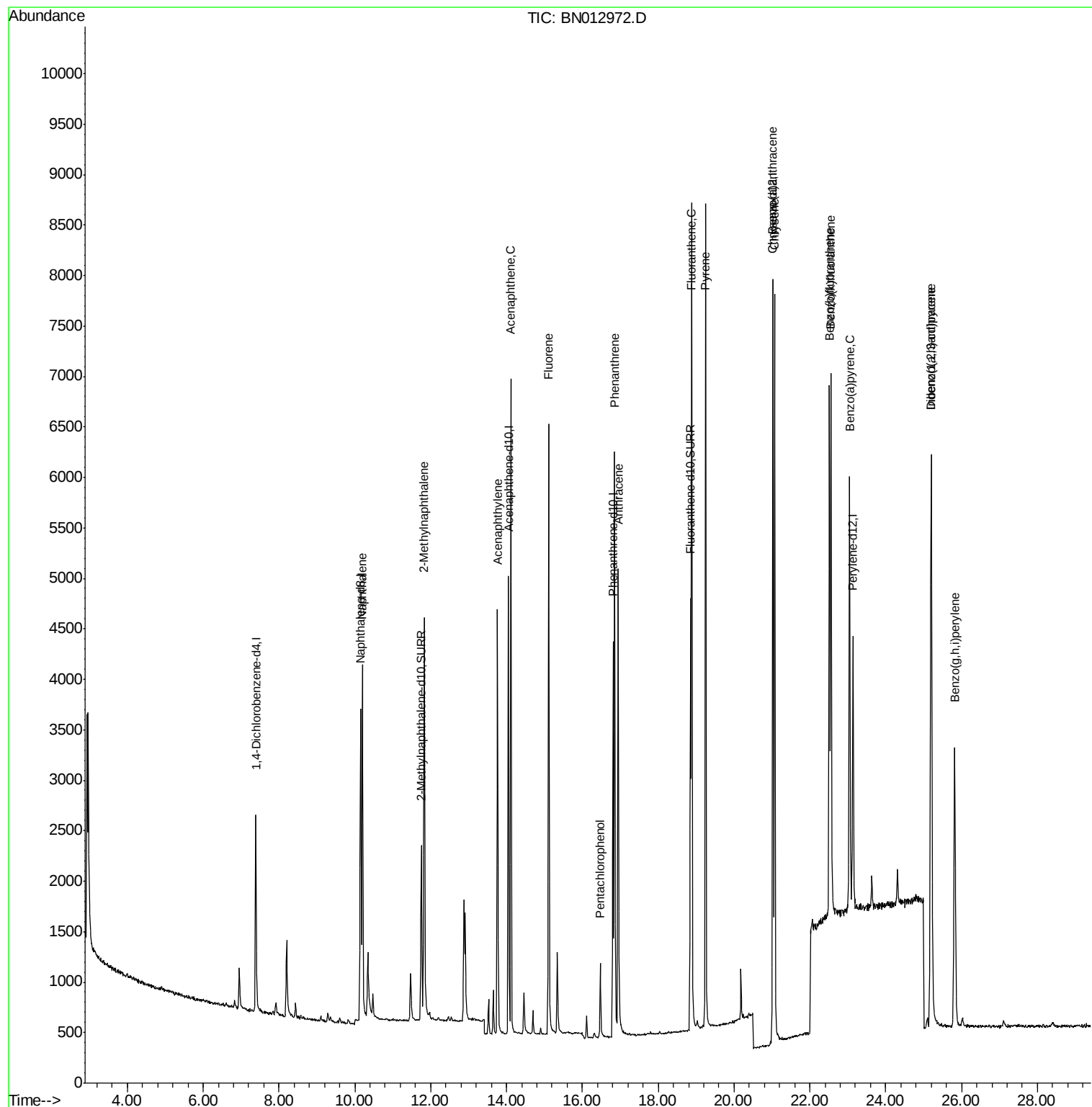
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1101	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4429	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2390	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4750	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3570	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	3291	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	2640	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	4972	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	5080	0.396	ng/ul#	92
5) 2-Methylnaphthalene	11.83	142	3375	0.401	ng/ul	99
7) Acenaphthylene	13.76	152	4749	0.420	ng/ul	96
8) Acenaphthene	14.11	153	3673	0.396	ng/ul	100
9) Fluorene	15.11	166	4054	0.381	ng/ul	98
11) Pentachlorophenol	16.47	266	563	0.409	ng/ul	95
12) Phenanthrene	16.85	178	6385	0.401	ng/ul	98
13) Anthracene	16.95	178	5751	0.424	ng/ul	96
15) Fluoranthene	18.88	202	7250	0.383	ng/ul	100
17) Pyrene	19.25	202	7381	0.438	ng/ul	99
18) Benzo(a)anthracene	21.02	228	6079	0.412	ng/ul	98
19) Chrysene	21.07	228	6663	0.408	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	6151	0.404	ng/ul	96
22) Benzo(k)fluoranthene	22.56	252	6625	0.394	ng/ul	98
23) Benzo(a)pyrene	23.05	252	5639	0.399	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.19	276	6680	0.360	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.20	278	5390	0.367	ng/ul	96
26) Benzo(g,h,i)perylene	25.82	276	5663	0.337	ng/ul	98

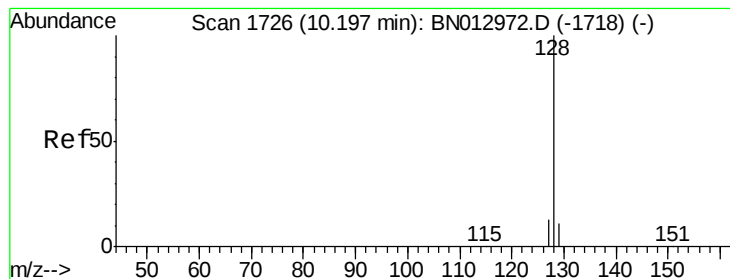
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN012972.D
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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
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Quant Time: Dec 08 13:43:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
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#3

Naphthalene

Concen: 0.396 ng/ul

RT: 10.20 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

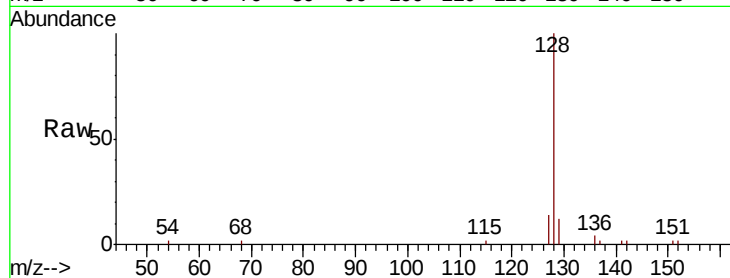
Tot Ion:128 Resp: 5080

Ion Ratio Lower Upper

128 100

129 12.2 12.3 18.5#

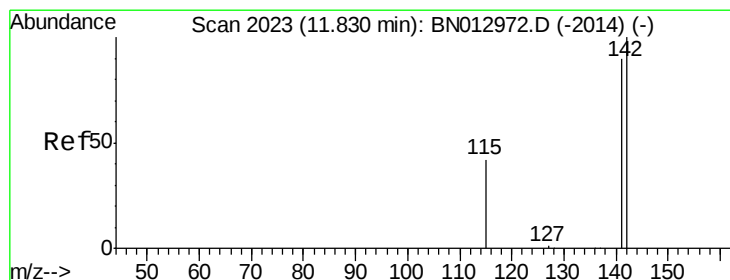
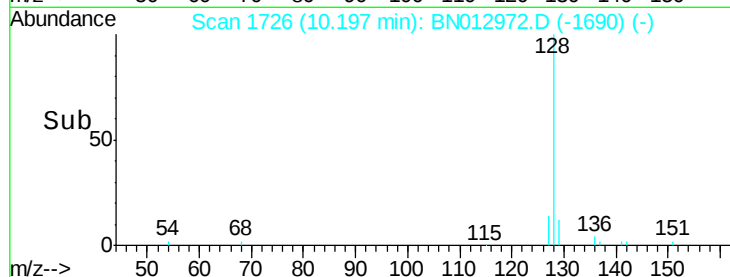
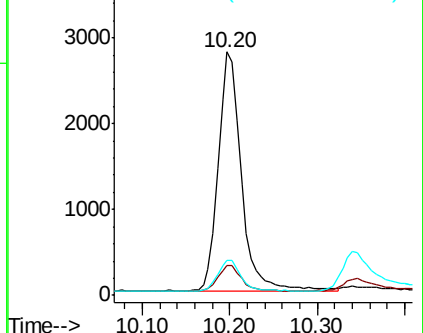
127 14.3 14.2 21.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.401 ng/ul

RT: 11.83 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BN012972.D

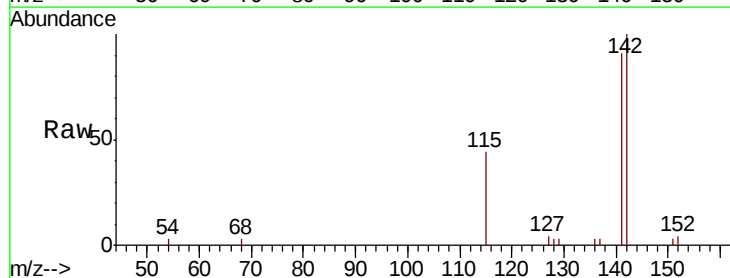
Acq: 08 Dec 2020 12:45

Tgt Ion:142 Resp: 3375

Ion Ratio Lower Upper

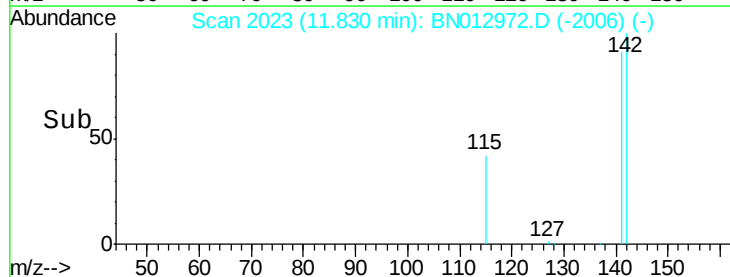
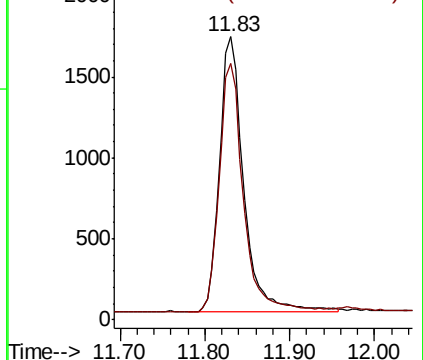
142 100

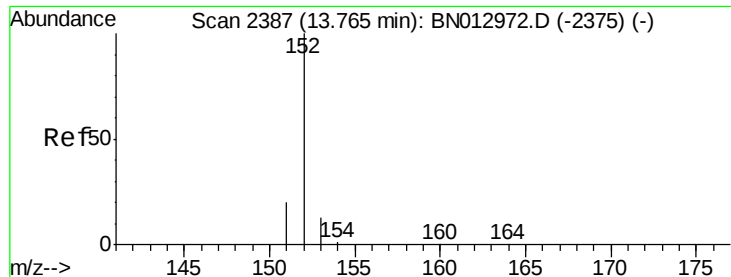
141 90.7 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.420 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

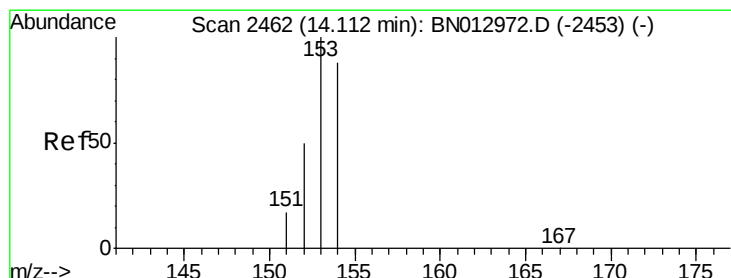
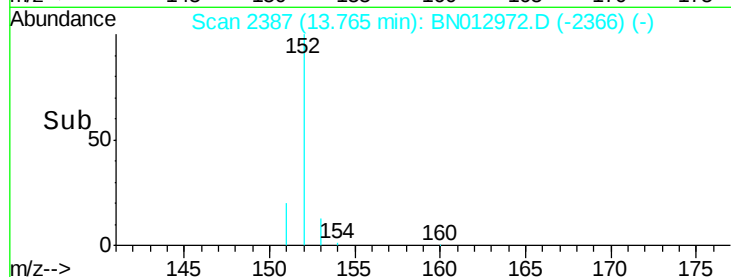
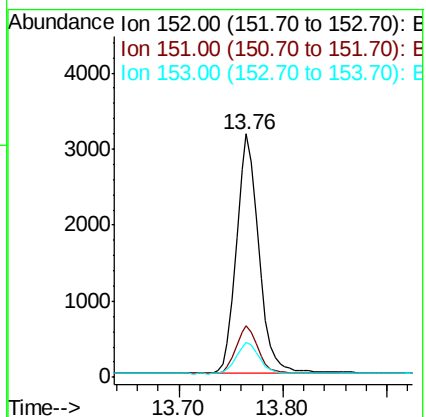
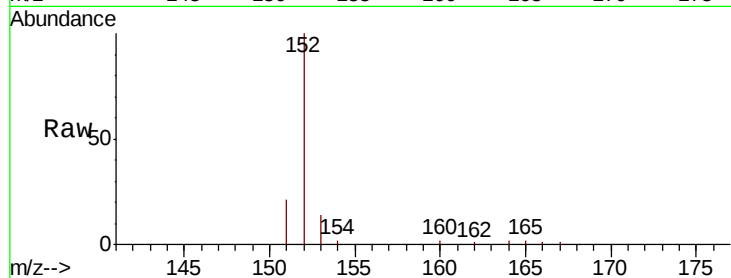
Tot Ion:152 Resp: 4749

Ion Ratio Lower Upper

152 100

151 21.0 18.2 27.4

153 14.2 13.1 19.7



#8

Acenaphthene

Concen: 0.396 ng/ul

RT: 14.11 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

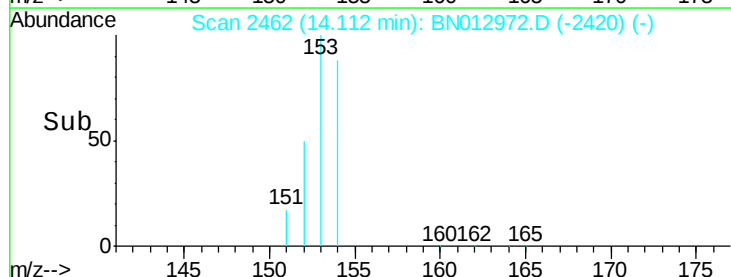
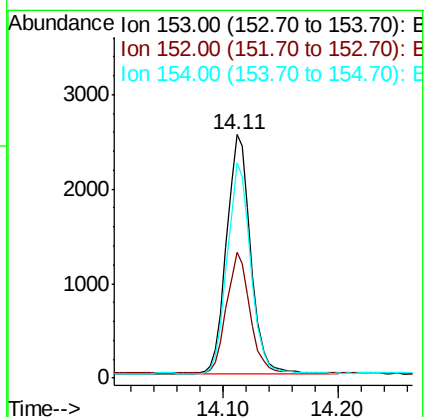
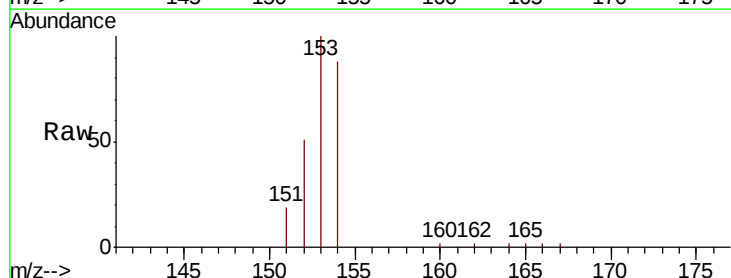
Tgt Ion:153 Resp: 3673

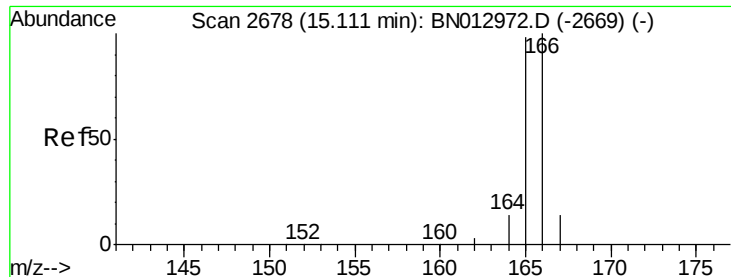
Ion Ratio Lower Upper

153 100

152 51.5 40.7 61.1

154 88.3 70.8 106.2





#9

Fluorene

Concen: 0.381 ng/ul

RT: 15.11 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

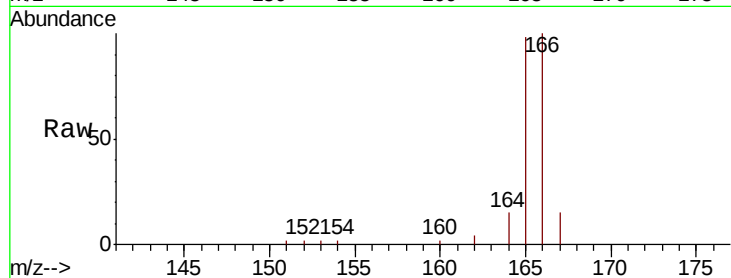
Tot Ion:166 Resp: 4054

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

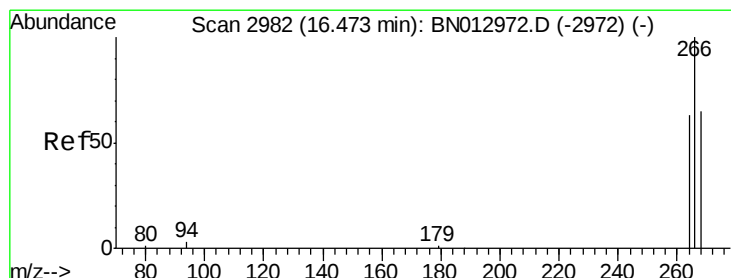
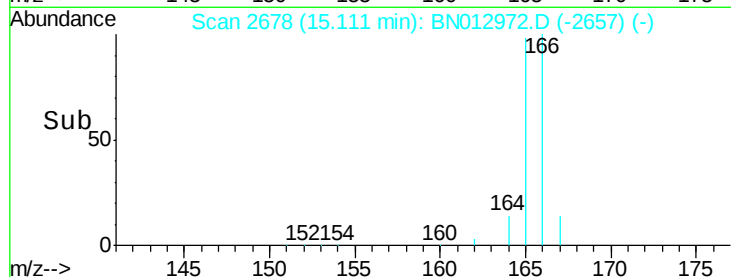
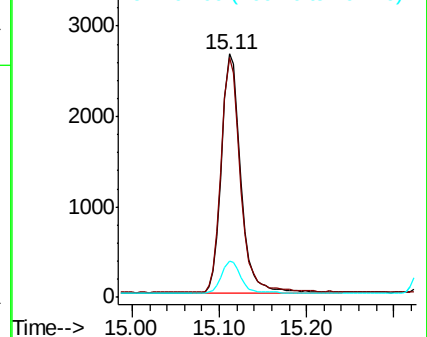
167 15.0 13.8 20.8



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



#11

Pentachlorophenol

Concen: 0.409 ng/ul

RT: 16.47 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

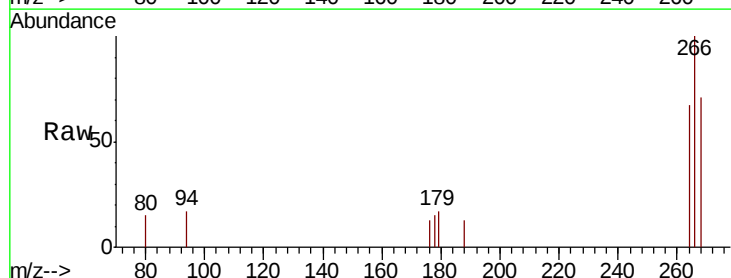
Tgt Ion:266 Resp: 563

Ion Ratio Lower Upper

266 100

264 62.7 51.5 77.3

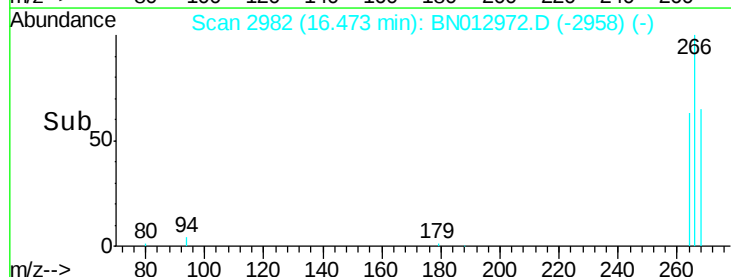
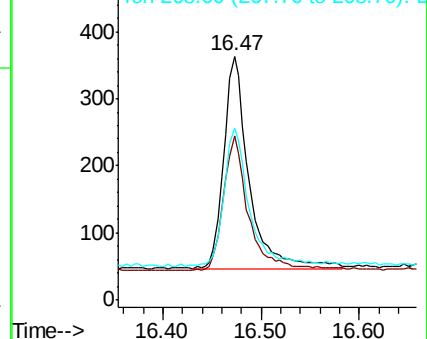
268 63.4 56.0 84.0

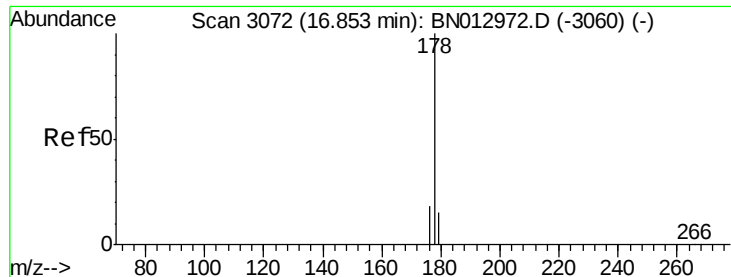


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.401 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

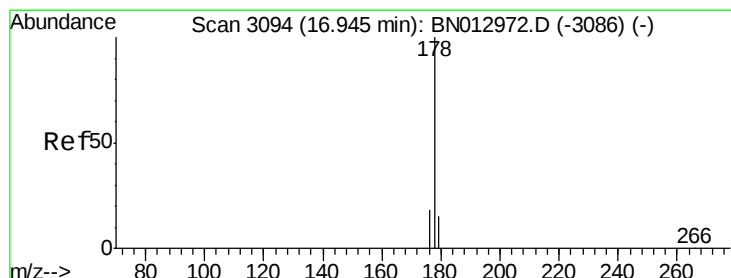
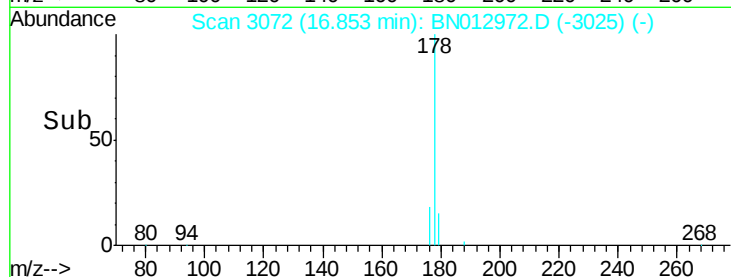
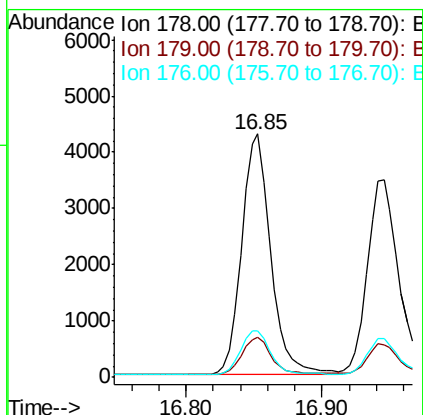
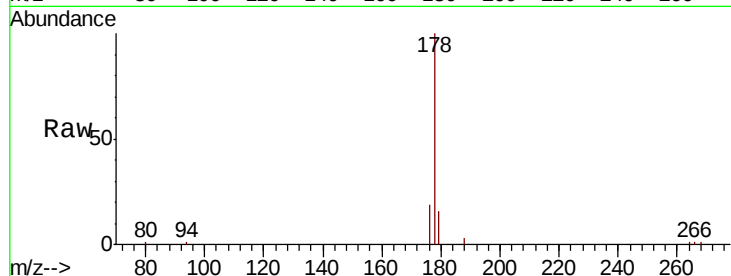
Tot Ion:178 Resp: 6385

Ion Ratio Lower Upper

178 100

179 16.4 13.6 20.4

176 19.0 16.4 24.6



#13

Anthracene

Concen: 0.424 ng/ul

RT: 16.95 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

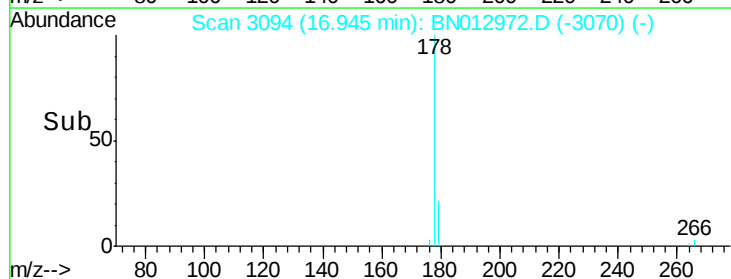
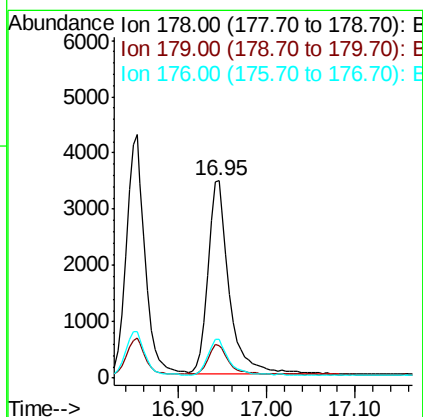
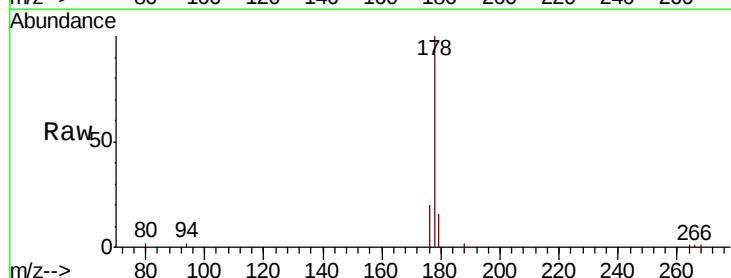
Tgt Ion:178 Resp: 5751

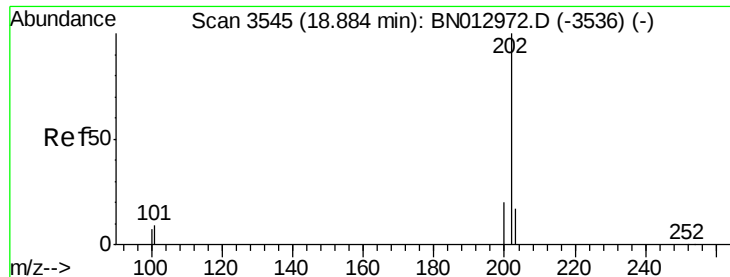
Ion Ratio Lower Upper

178 100

179 16.4 14.6 21.8

176 19.7 17.1 25.7





#15

Fluoranthene

Concen: 0.383 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

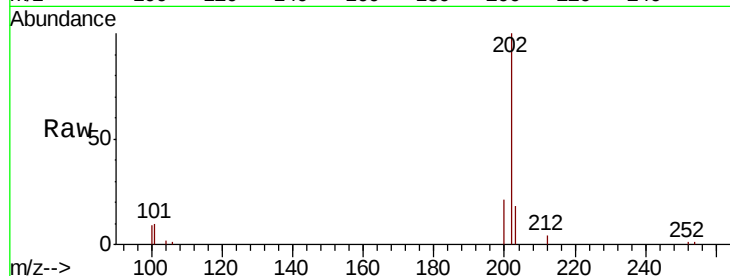
Tot Ion:202 Resp: 7250

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.6

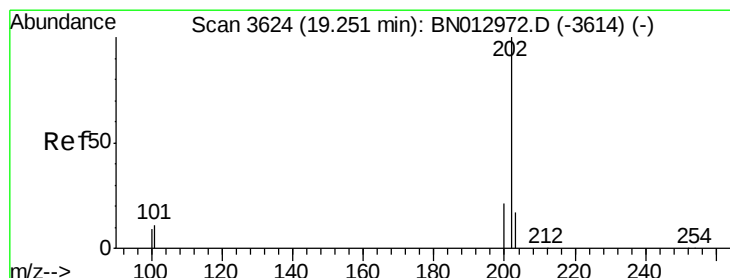
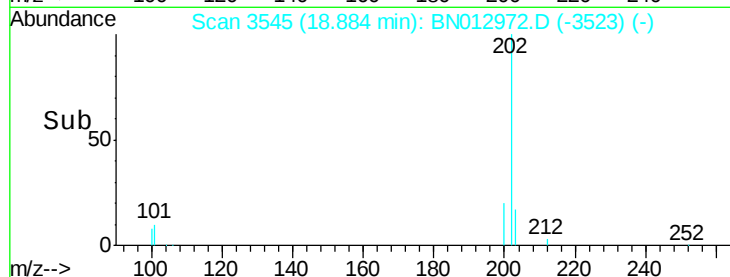
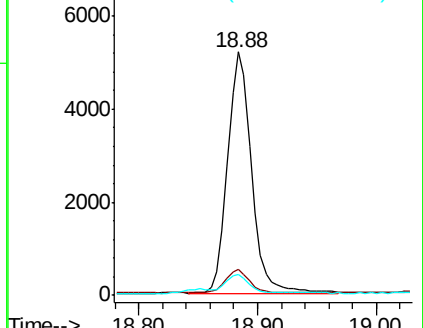
100 8.5 0.0 28.7



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



#17

Pyrene

Concen: 0.438 ng/ul

RT: 19.25 min Scan# 3624

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

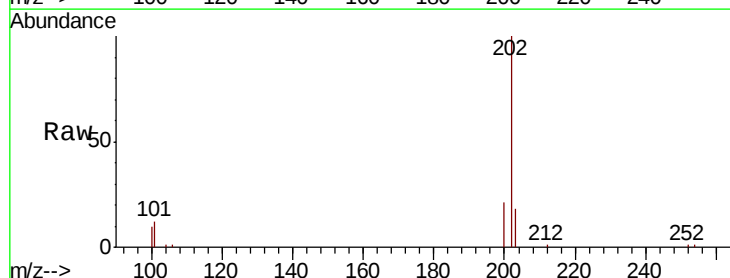
Tgt Ion:202 Resp: 7381

Ion Ratio Lower Upper

202 100

101 11.5 9.1 13.7

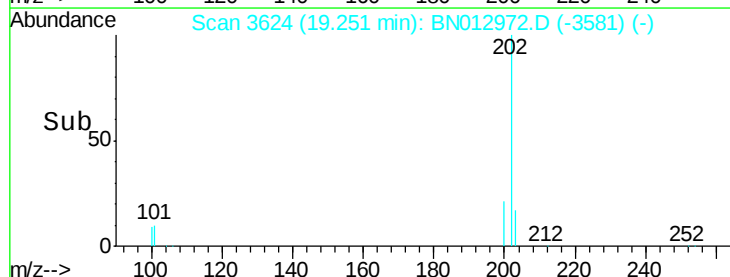
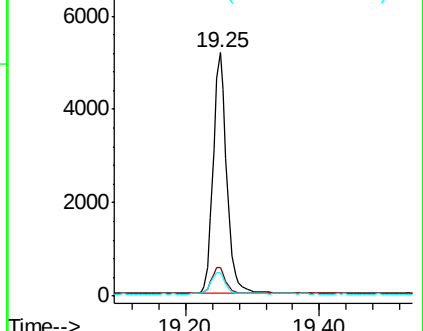
100 9.7 7.5 11.3

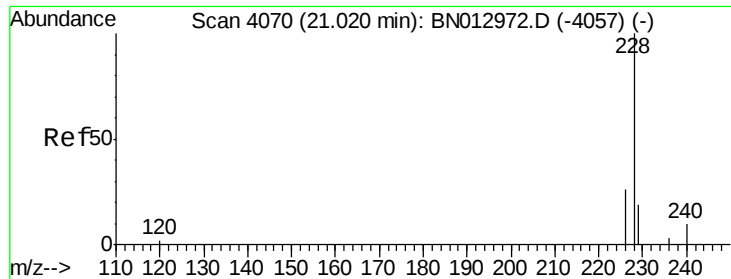


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.412 ng/ul

RT: 21.02 min Scan# 4070

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

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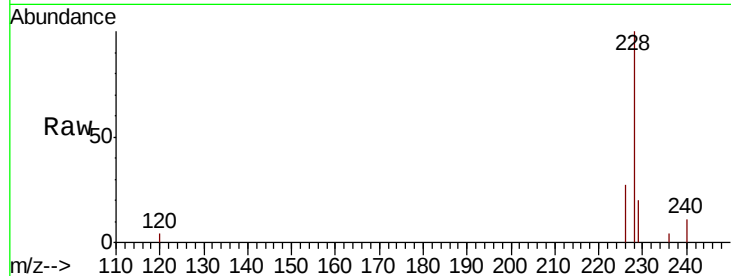
Tot Ion:228 Resp: 6079

Ion Ratio Lower Upper

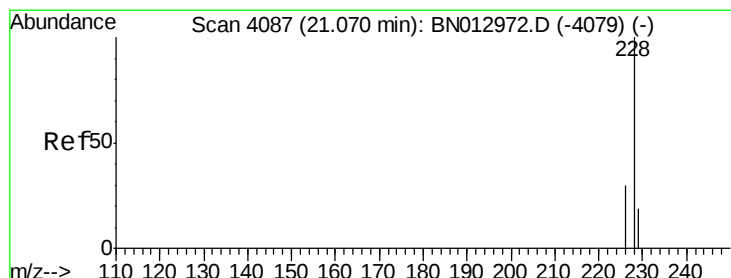
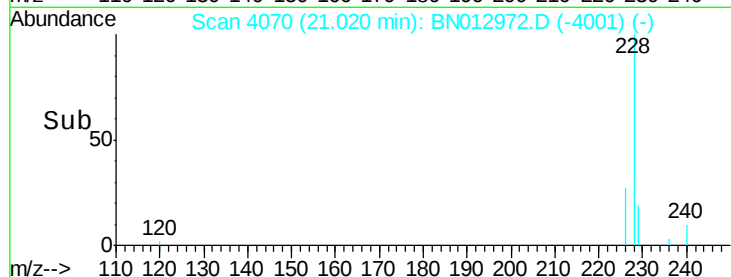
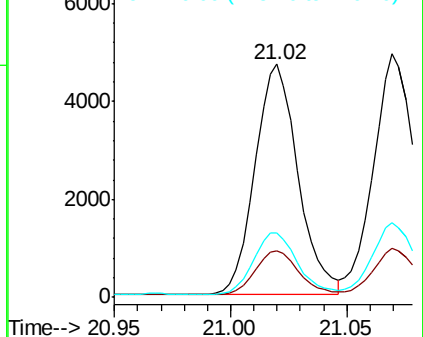
228 100

229 20.0 16.3 24.5

226 27.5 23.4 35.2



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



#19

Chrysene

Concen: 0.408 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

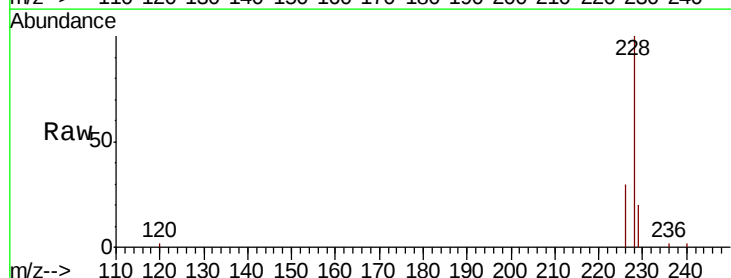
Tgt Ion:228 Resp: 6663

Ion Ratio Lower Upper

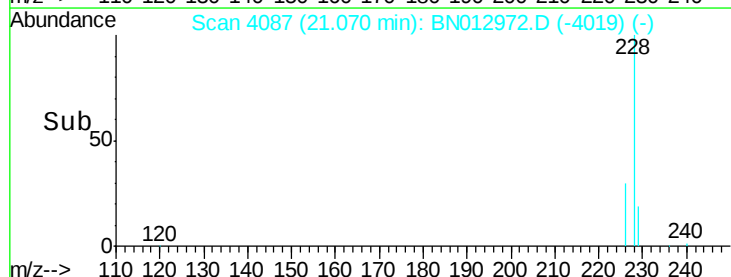
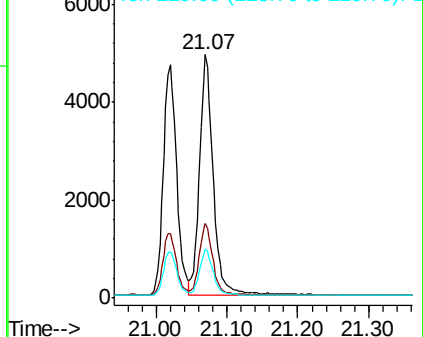
228 100

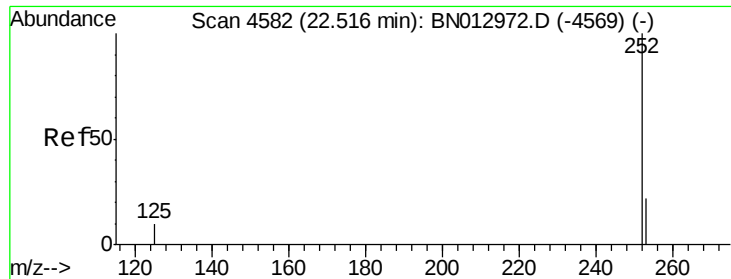
226 30.5 25.0 37.6

229 20.2 16.4 24.6



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





#21

Benzo(b)fluoranthene

Concen: 0.404 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

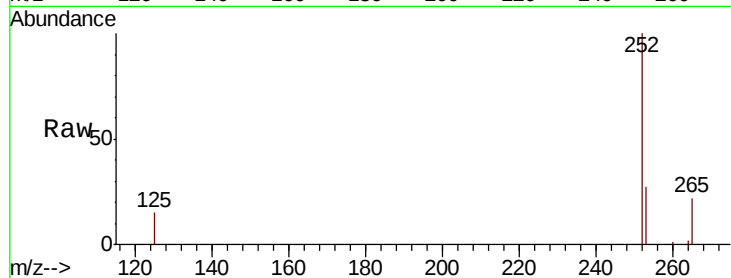
Tot Ion:252 Resp: 6151

Ion Ratio Lower Upper

252 100

253 27.5 0.0 59.6

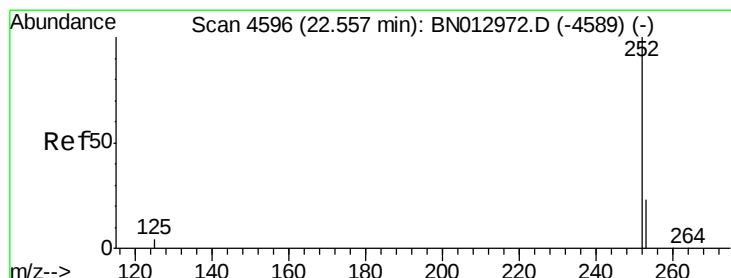
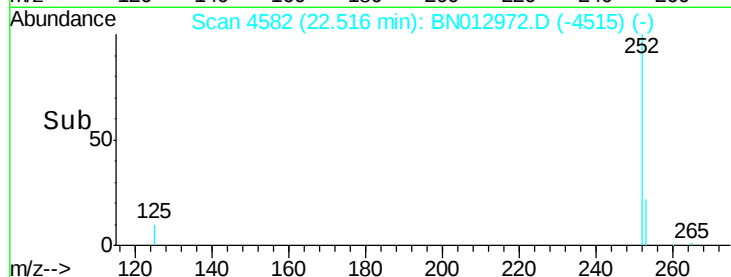
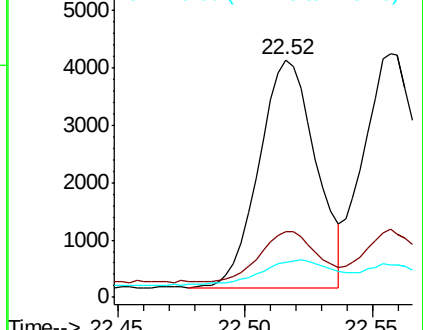
125 14.7 0.0 26.0



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



#22

Benzo(k)fluoranthene

Concen: 0.394 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

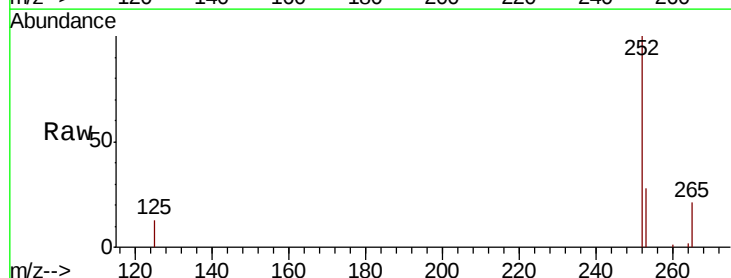
Tgt Ion:252 Resp: 6625

Ion Ratio Lower Upper

252 100

253 28.2 23.4 35.2

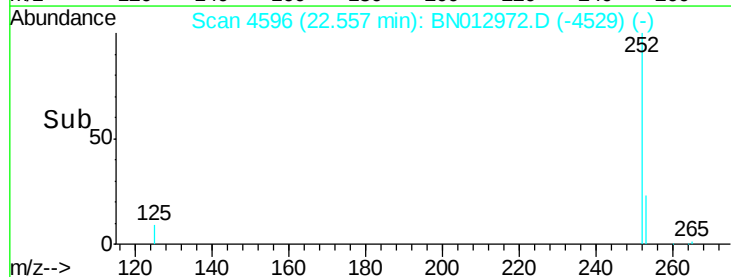
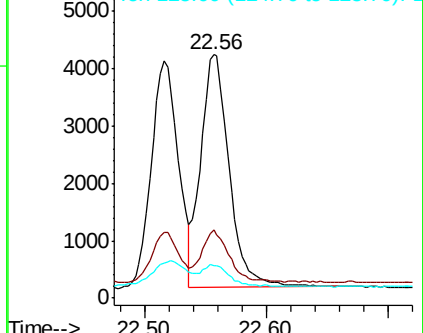
125 13.5 11.1 16.7

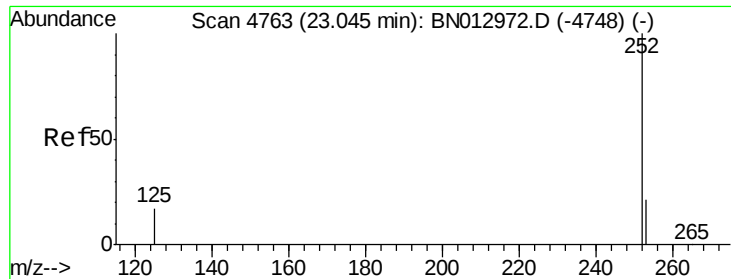


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.399 ng/u1

RT: 23.05 min Scan# 4763

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

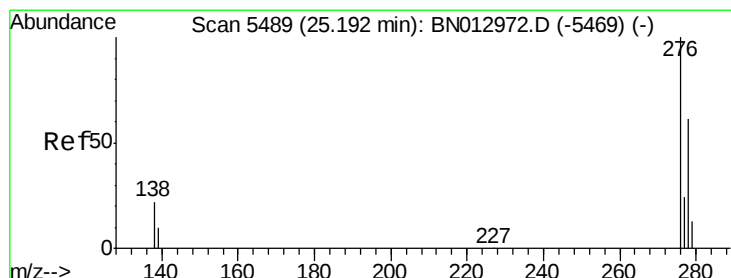
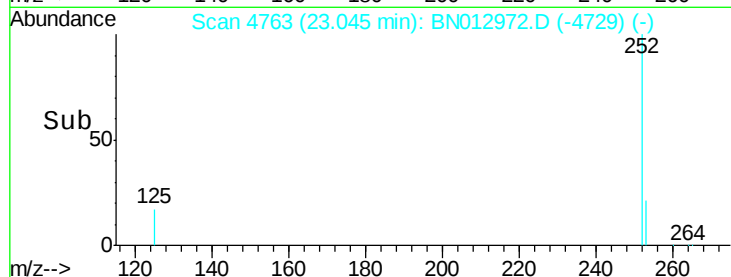
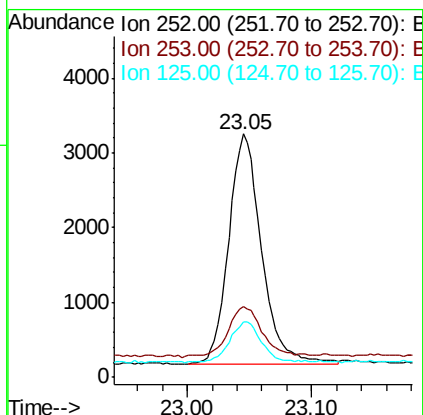
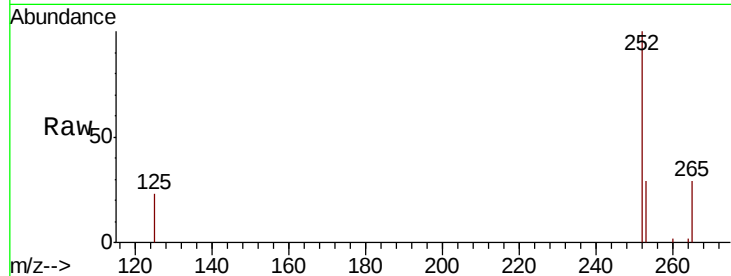
Tot Ion:252 Resp: 5639

Ion Ratio Lower Upper

252 100

253 29.2 26.5 39.7

125 22.6 14.2 21.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.360 ng/u1

RT: 25.19 min Scan# 5489

Delta R.T. 0.00 min

Lab File: BN012972.D

Acq: 08 Dec 2020 12:45

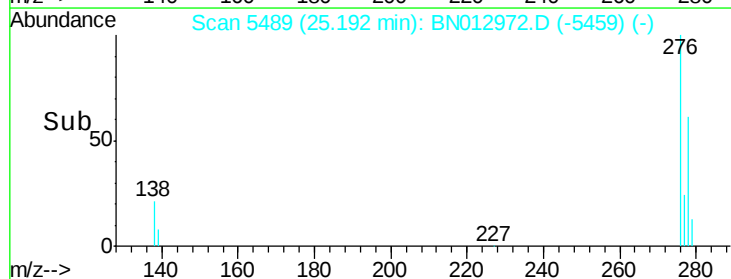
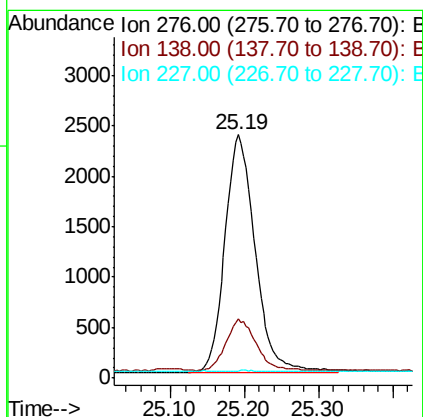
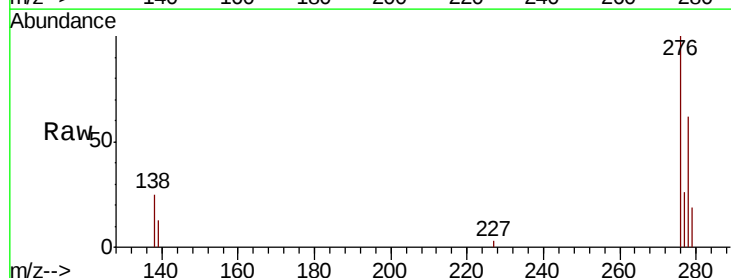
Tgt Ion:276 Resp: 6680

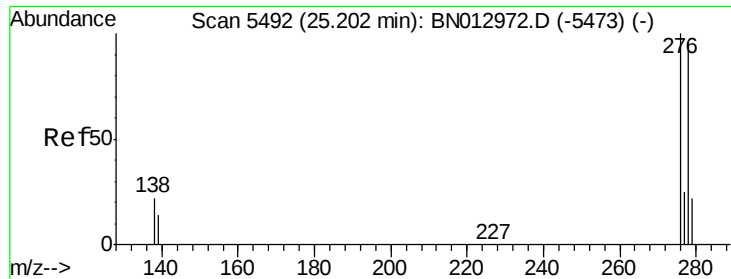
Ion Ratio Lower Upper

276 100

138 21.5 16.2 24.2

227 0.3 0.0 0.0#

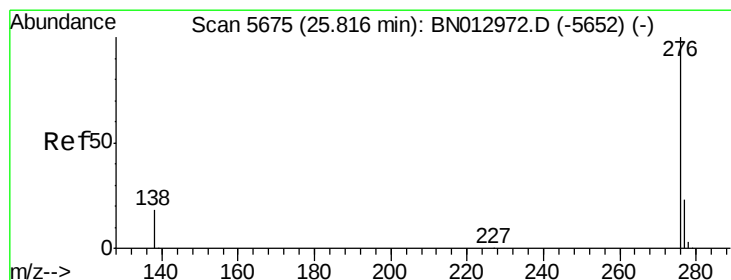
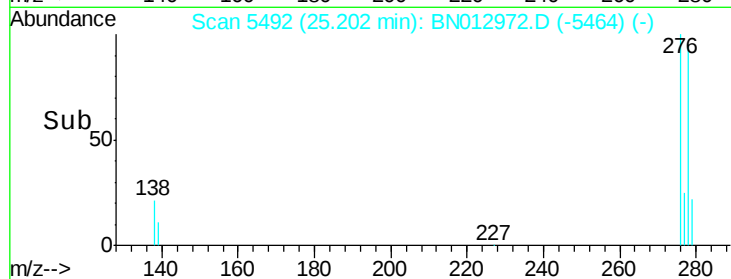
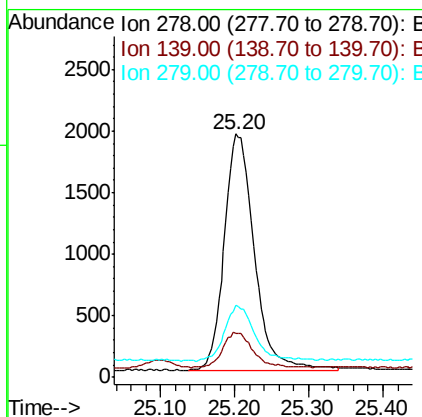
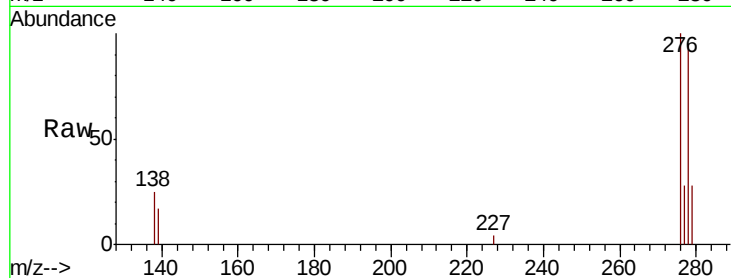




#25
Dibenzo(a,h)anthracene
Concen: 0.367 ng/u1
RT: 25.20 min Scan# 5492
Delta R.T. -0.01 min
Lab File: BN012972.D
Acq: 08 Dec 2020 12:45

Instrument :
BNA_N
ClientSampleId :
SSTD0.431

Tot Ion:278 Resp: 5390
Ion Ratio Lower Upper
278 100
139 18.3 14.5 21.7
279 29.6 26.3 39.5



#26
Benzo(g,h,i)perylene
Concen: 0.337 ng/u1
RT: 25.82 min Scan# 5675
Delta R.T. -0.01 min
Lab File: BN012972.D
Acq: 08 Dec 2020 12:45

Tgt Ion:276 Resp: 5663
Ion Ratio Lower Upper
276 100
138 21.3 16.3 24.5
277 26.1 21.8 32.6

