

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012221.D
 Acq On : 15 Oct 2020 07:46
 Operator : CG/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.417

Quant Time: Oct 15 08:23:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 04:47:44 2020
 Response via : Initial Calibration

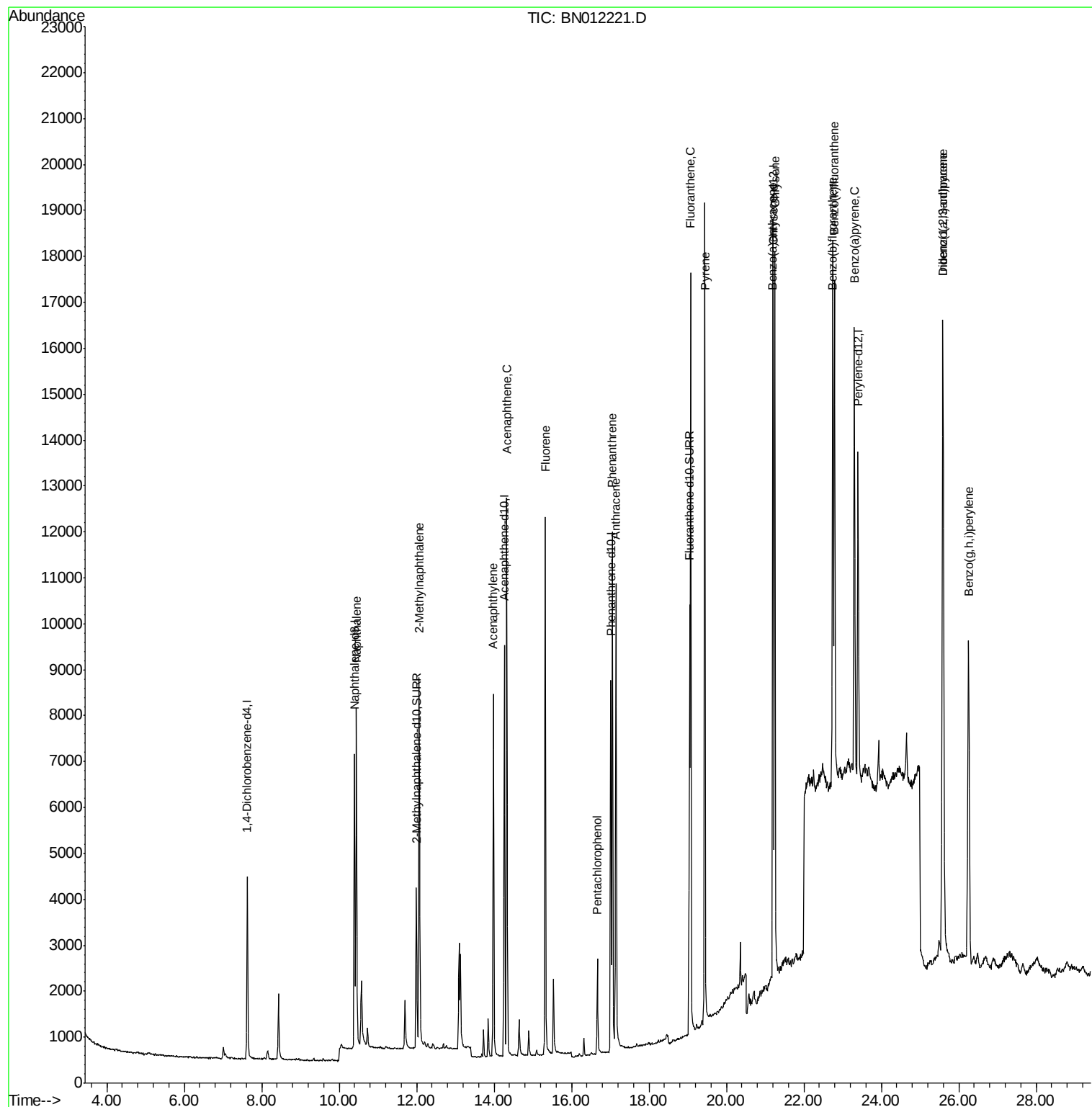
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2164	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	8957	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4986	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9984	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	8314	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	8795	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	5356	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	10544	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	10081	0.390	ng/ul	98
5) 2-Methylnaphthalene	12.07	142	6603	0.402	ng/ul	99
7) Acenaphthylene	13.98	152	9224	0.426	ng/ul	99
8) Acenaphthene	14.32	153	7280	0.398	ng/ul	99
9) Fluorene	15.32	166	7962	0.391	ng/ul	98
11) Pentachlorophenol	16.67	266	1488	0.516	ng/ul	99
12) Phenanthrene	17.06	178	12411	0.390	ng/ul	99
13) Anthracene	17.14	178	11803	0.432	ng/ul	98
15) Fluoranthene	19.07	202	14503	0.390	ng/ul	98
17) Pyrene	19.44	202	15203	0.406	ng/ul	99
18) Benzo(a)anthracene	21.20	228	12907	0.419	ng/ul	96
19) Chrysene	21.25	228	13461	0.359	ng/ul	97
21) Benzo(b)fluoranthene	22.74	252	13718	0.386	ng/ul	92
22) Benzo(k)fluoranthene	22.79	252	14079	0.358	ng/ul#	92
23) Benzo(a)pyrene	23.30	252	12918	0.374	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.58	276	16465	0.371	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.60	278	13416	0.378	ng/ul#	95
26) Benzo(g,h,i)perylene	26.25	276	14050	0.345	ng/ul#	93

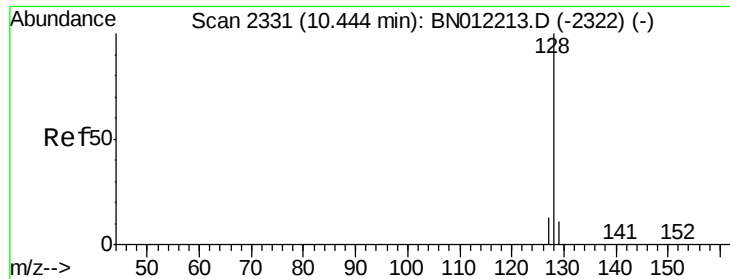
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

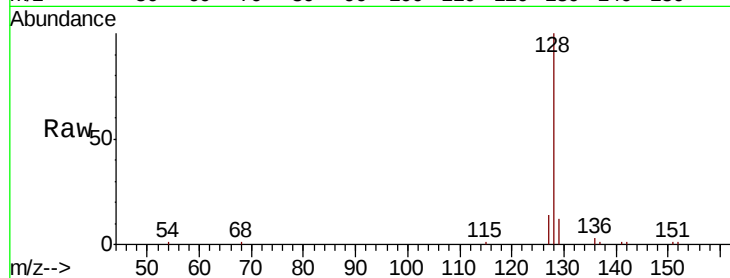
Tot Ion:128 Resp: 10081

Ion Ratio Lower Upper

128 100

129 11.8 10.3 15.5

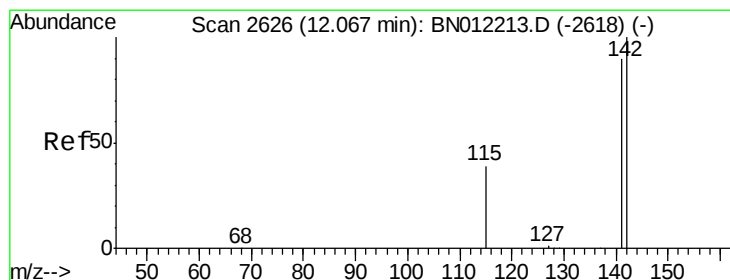
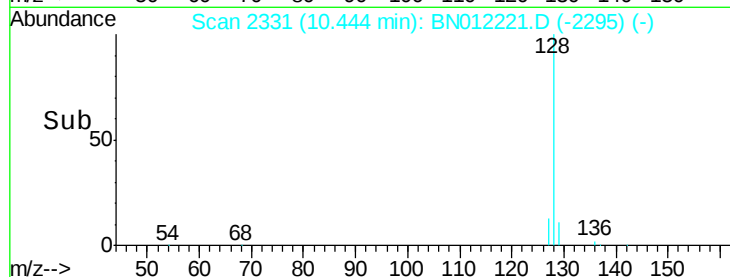
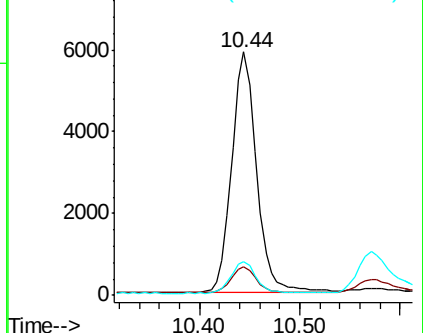
127 14.0 11.9 17.9



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: 0.402 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.00 min

Lab File: BN012221.D

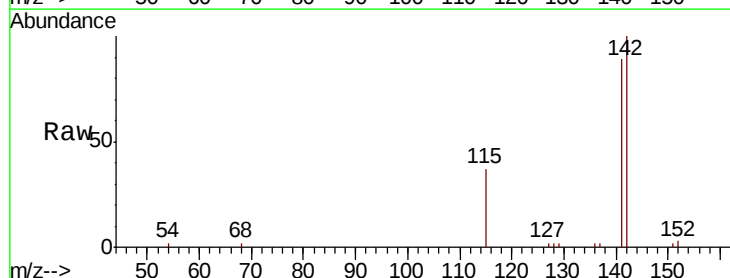
Acq: 15 Oct 2020 07:46

Tgt Ion:142 Resp: 6603

Ion Ratio Lower Upper

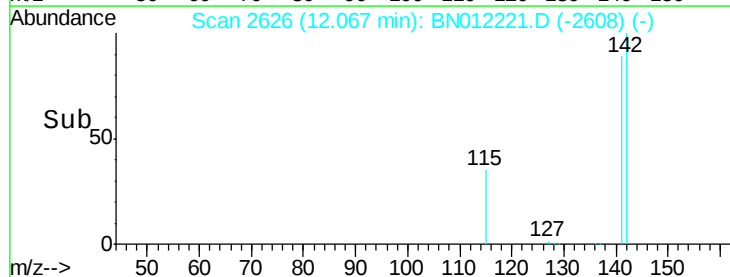
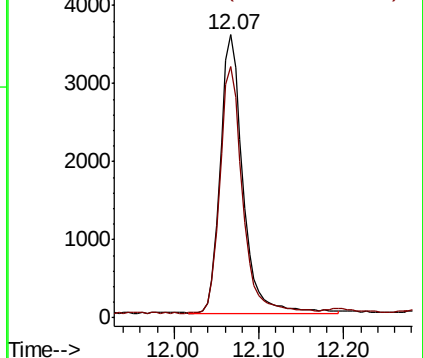
142 100

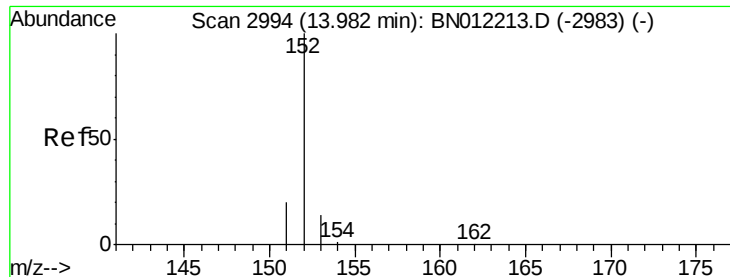
141 88.8 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.426 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

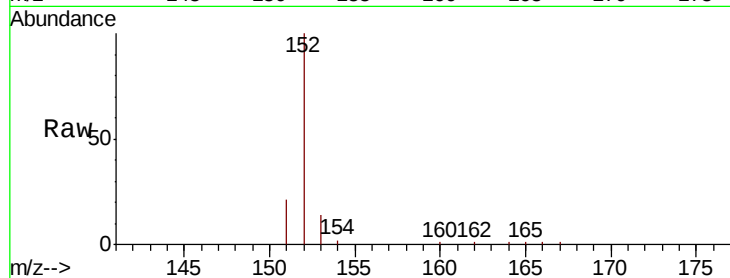
Tot Ion:152 Resp: 9224

Ion Ratio Lower Upper

152 100

151 20.8 16.7 25.1

153 13.6 11.8 17.8



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

8000

6000

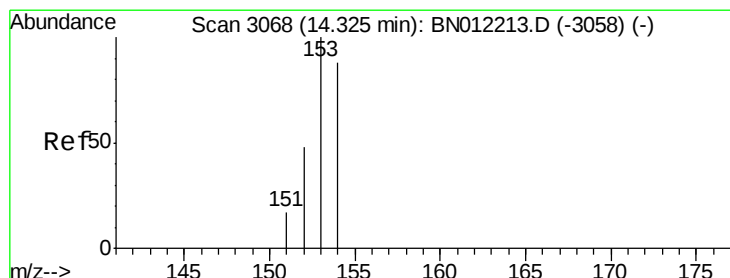
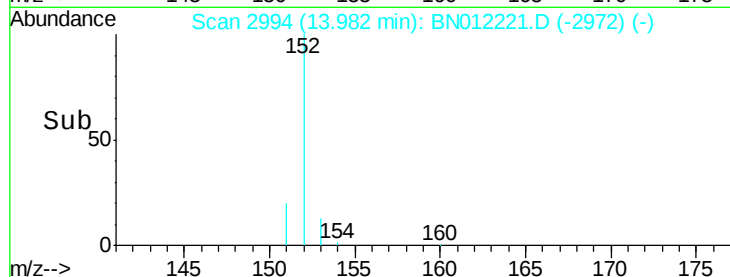
4000

2000

0

13.90 13.98 14.00 14.10

Time-->



#8

Acenaphthene

Concen: 0.398 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

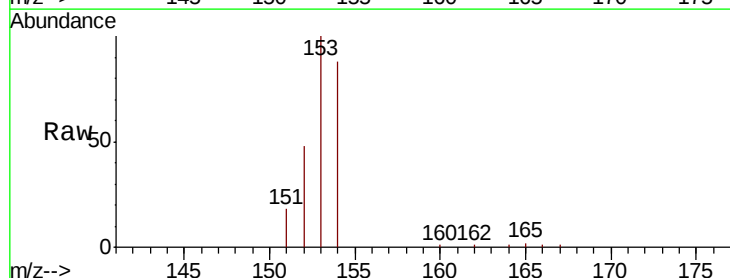
Tgt Ion:153 Resp: 7280

Ion Ratio Lower Upper

153 100

152 48.3 38.2 57.2

154 88.3 71.1 106.7



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

6000

5000

4000

3000

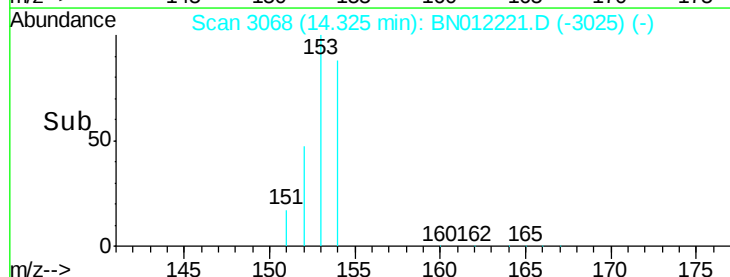
2000

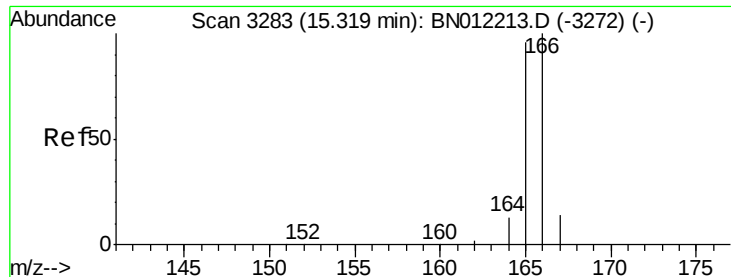
1000

0

14.20 14.30 14.32 14.40 14.50

Time-->





#9

Fluorene

Concen: 0.391 ng/ul

RT: 15.32 min Scan# 3283

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

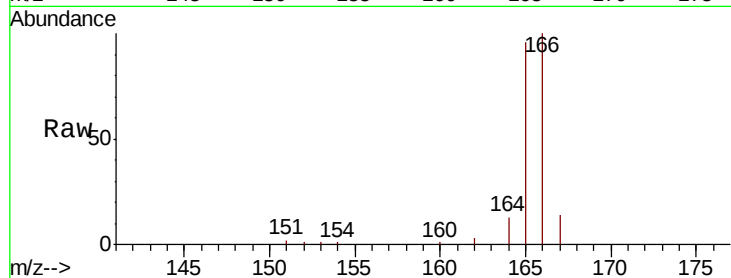
Tot Ion:166 Resp: 7962

Ion Ratio Lower Upper

166 100

165 95.7 78.6 118.0

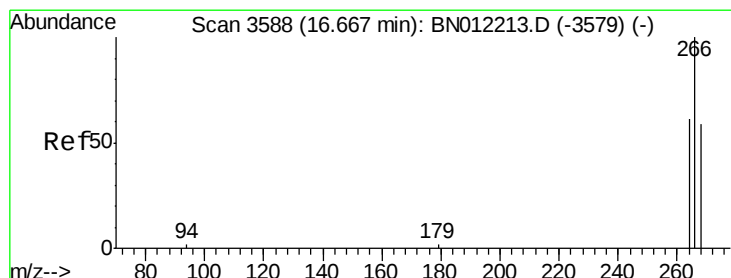
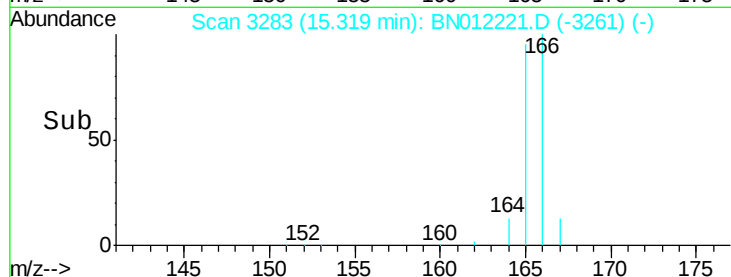
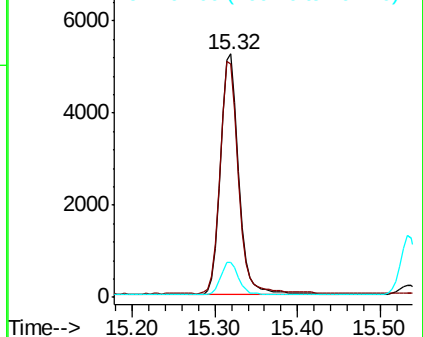
167 14.4 11.9 17.9



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: 0.516 ng/ul

RT: 16.67 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

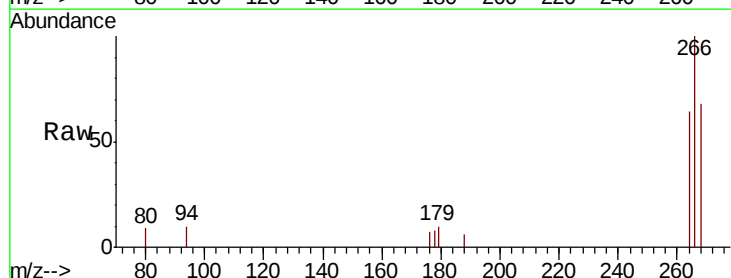
Tgt Ion:266 Resp: 1488

Ion Ratio Lower Upper

266 100

264 63.3 50.3 75.5

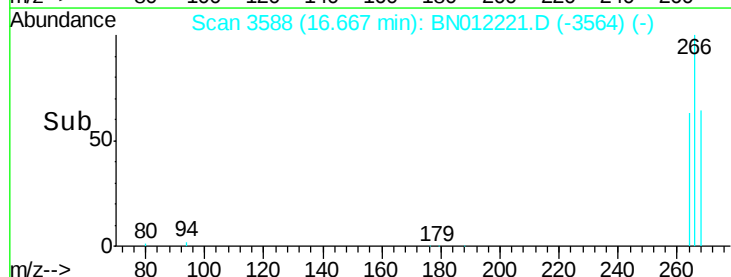
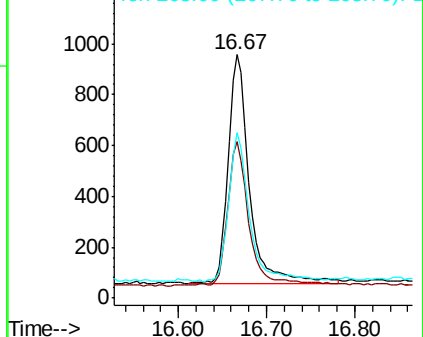
268 65.0 52.4 78.6

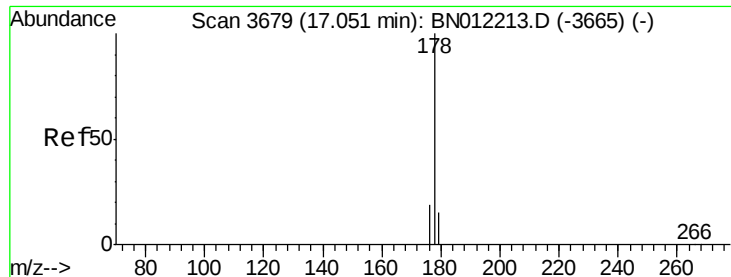


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.390 ng/ul

RT: 17.06 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

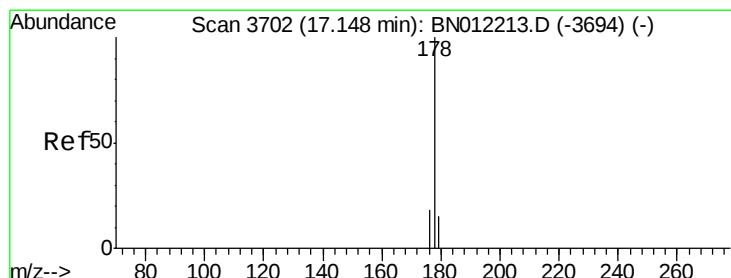
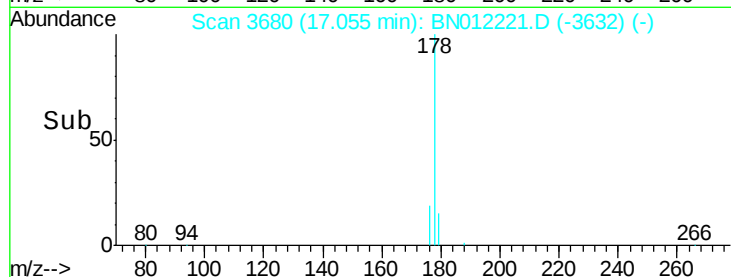
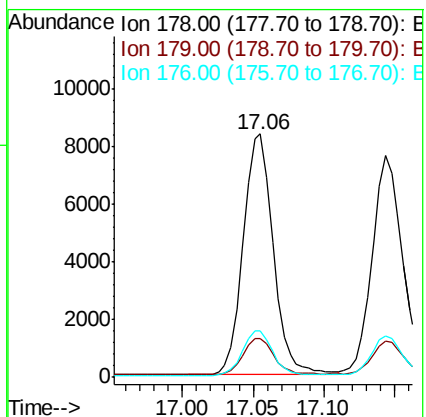
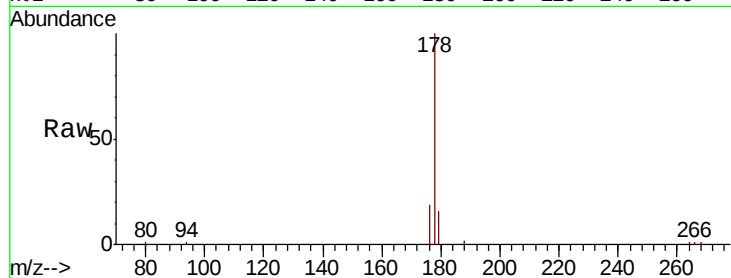
Tot Ion:178 Resp: 12411

Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

176 19.2 15.7 23.5



#13

Anthracene

Concen: 0.432 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

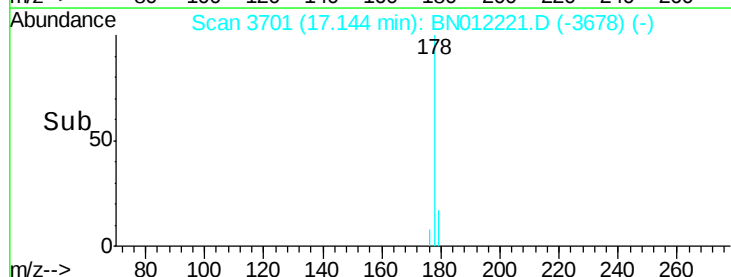
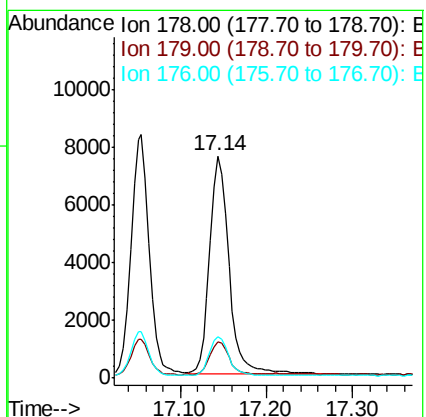
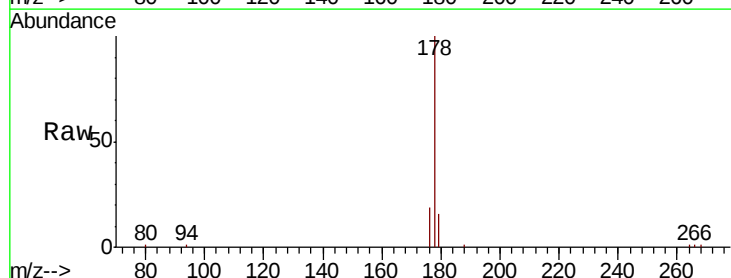
Tgt Ion:178 Resp: 11803

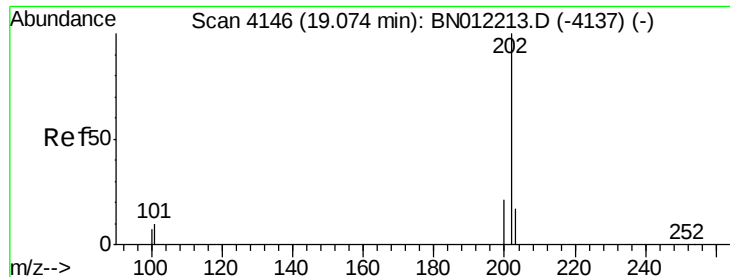
Ion Ratio Lower Upper

178 100

179 16.5 13.9 20.9

176 18.8 15.4 23.0





#15

Fluoranthene

Concen: 0.390 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

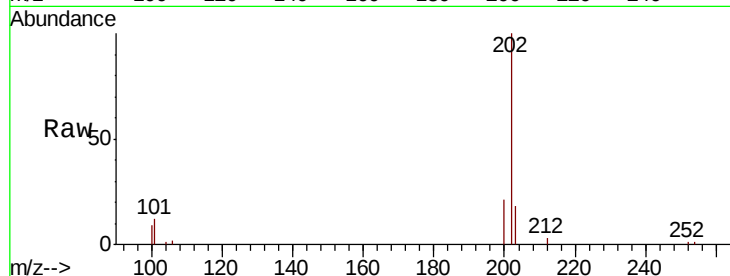
Tot Ion:202 Resp: 14503

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.0

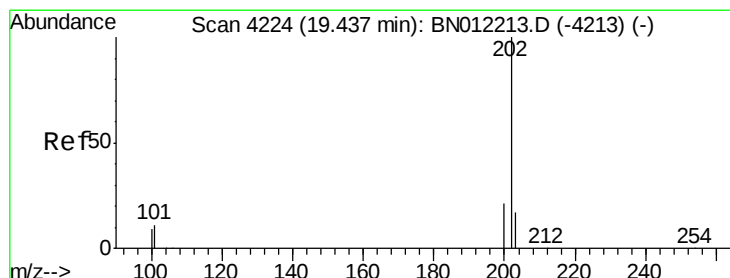
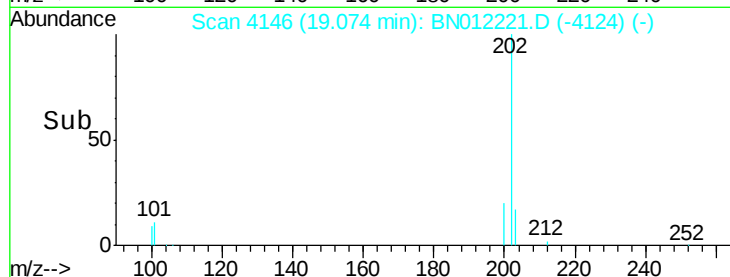
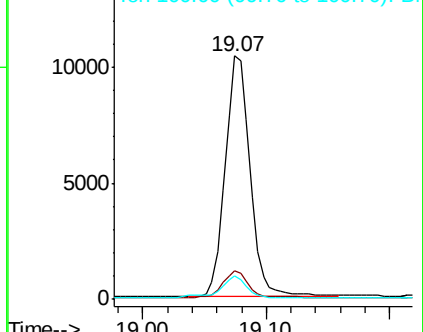
100 9.4 0.0 28.7



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: 0.406 ng/ul

RT: 19.44 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

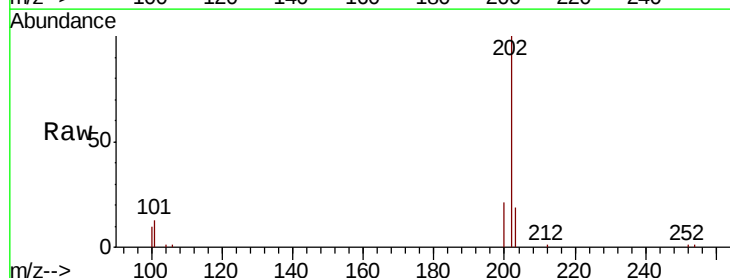
Tgt Ion:202 Resp: 15203

Ion Ratio Lower Upper

202 100

101 12.8 9.9 14.9

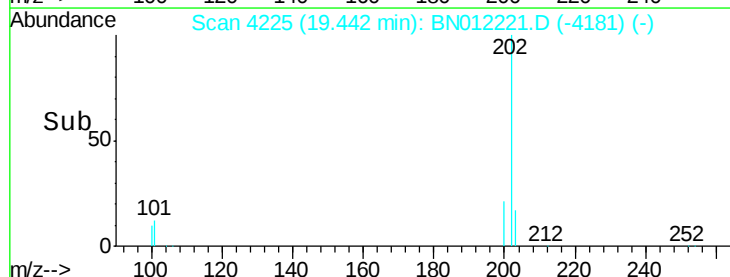
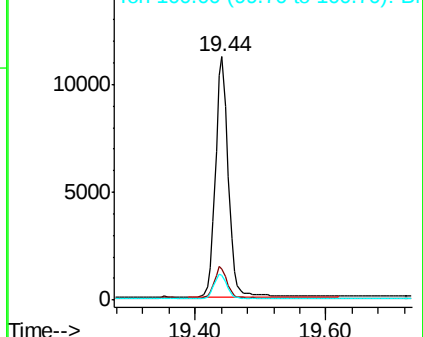
100 10.4 8.0 12.0

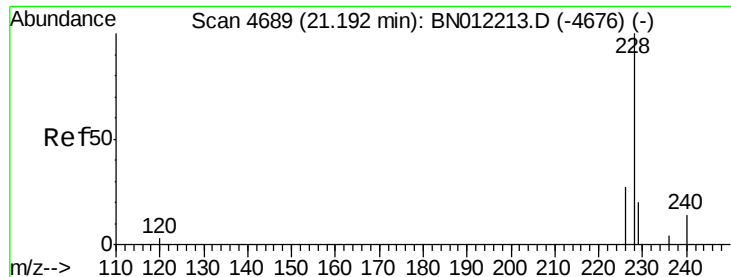


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.419 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

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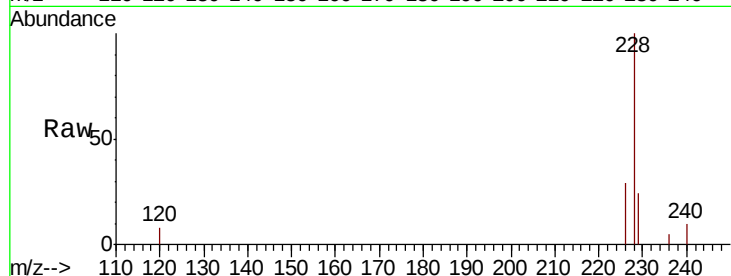
Tot Ion:228 Resp: 12907

Ion Ratio Lower Upper

228 100

229 23.7 15.8 23.8

226 28.8 22.6 33.8

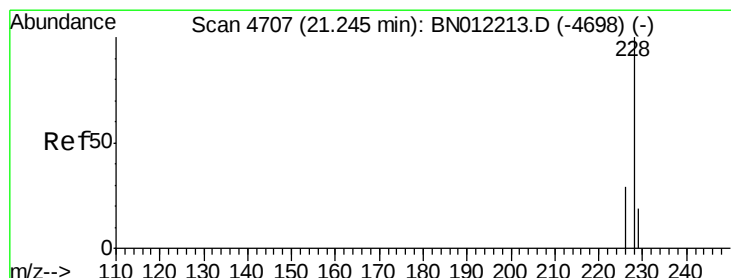
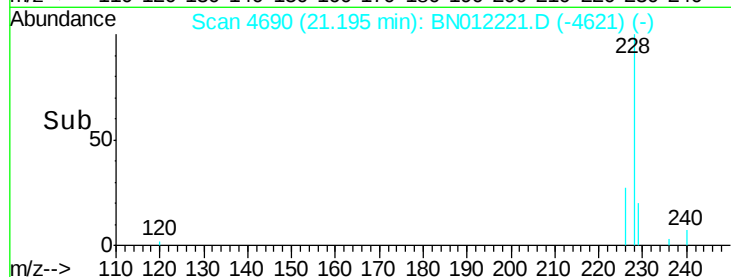
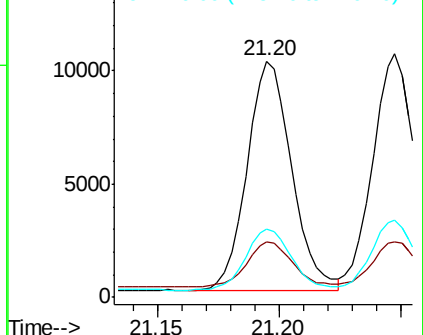


Abundance

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: 0.359 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

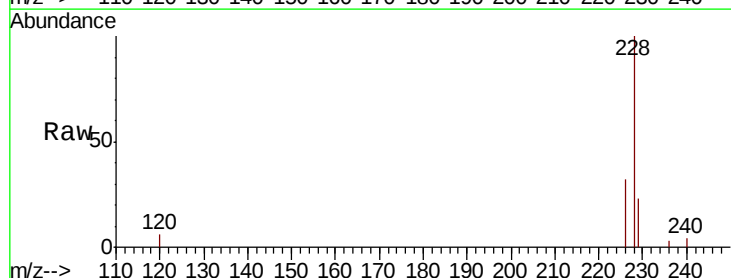
Tgt Ion:228 Resp: 13461

Ion Ratio Lower Upper

228 100

226 31.8 24.6 37.0

229 23.0 17.0 25.6

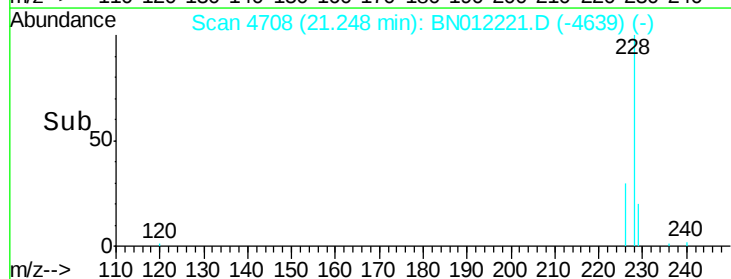
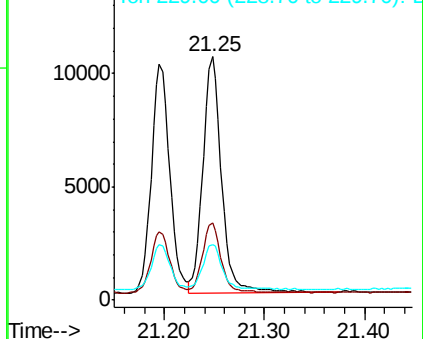


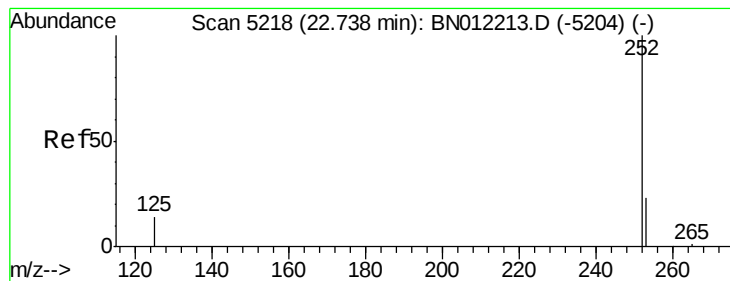
Abundance

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: 0.386 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. 0.01 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

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SSTD0.417

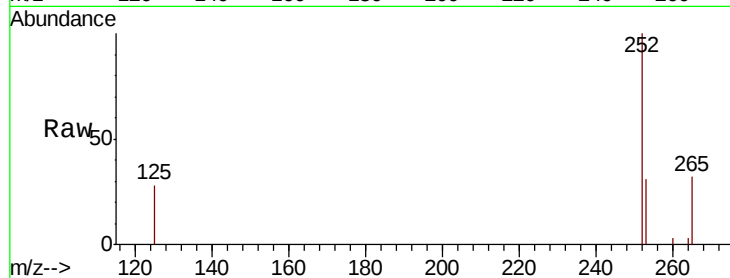
Tot Ion:252 Resp: 13718

Ion Ratio Lower Upper

252 100

253 30.9 0.0 61.6

125 28.1 0.0 36.8

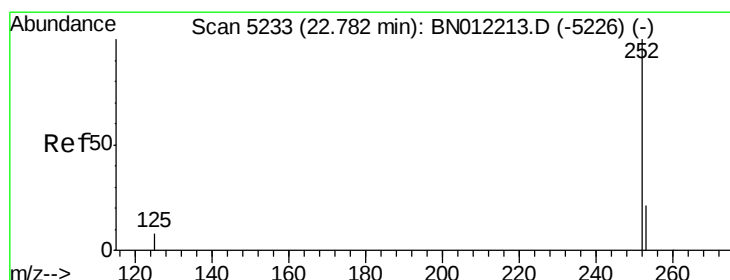
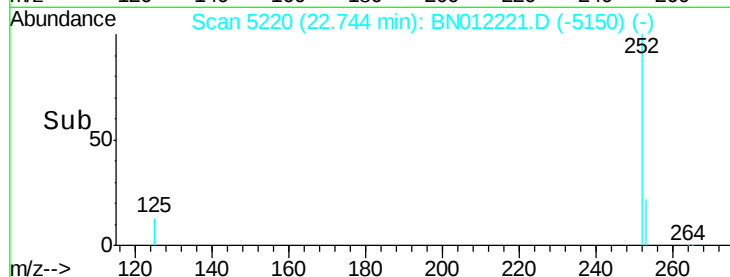
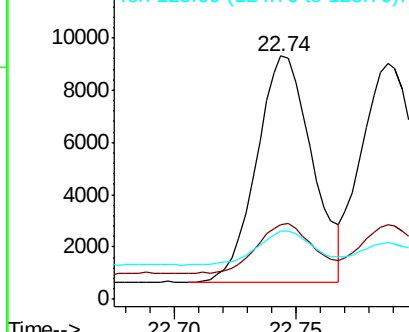


Abundance

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: 0.358 ng/ul

RT: 22.79 min Scan# 5235

Delta R.T. 0.01 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

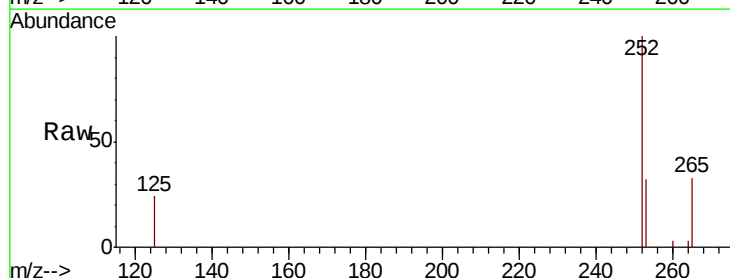
Tgt Ion:252 Resp: 14079

Ion Ratio Lower Upper

252 100

253 31.6 24.4 36.6

125 24.0 12.9 19.3#

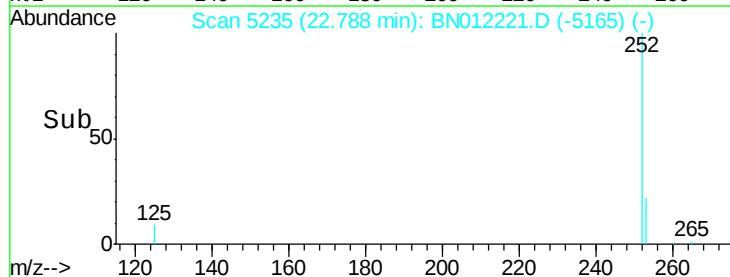
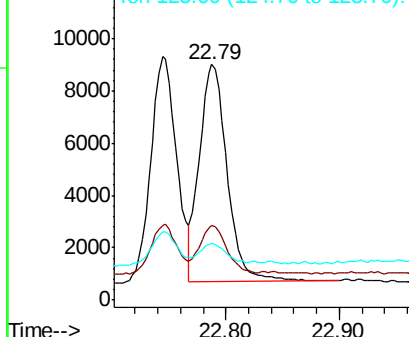


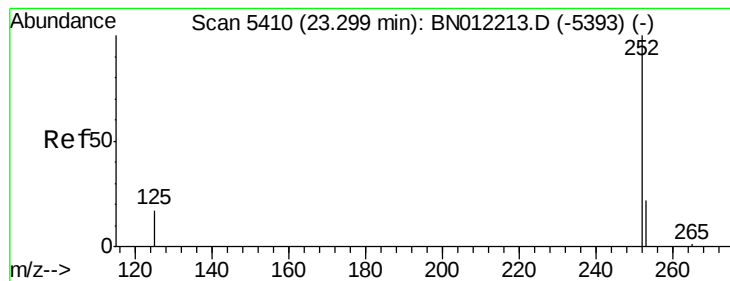
Abundance

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: 0.374 ng/ul

RT: 23.30 min Scan# 5411

Delta R.T. 0.00 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

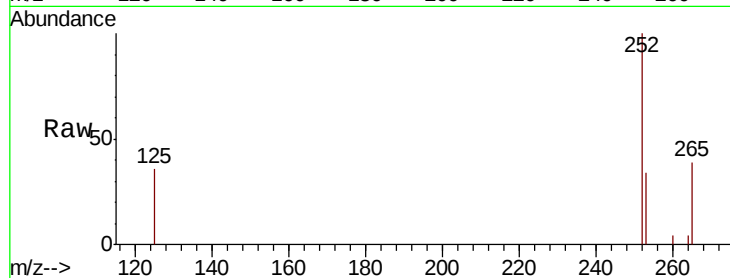
Tot Ion:252 Resp: 12918

Ion Ratio Lower Upper

252 100

253 33.6 27.0 40.4

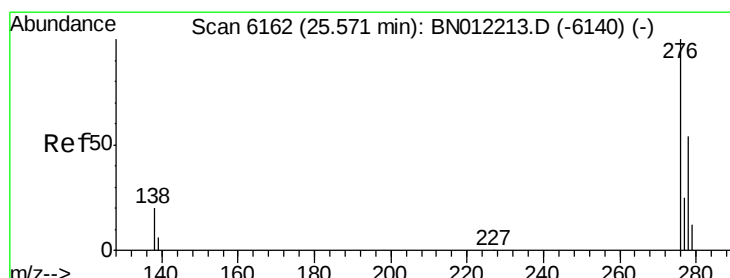
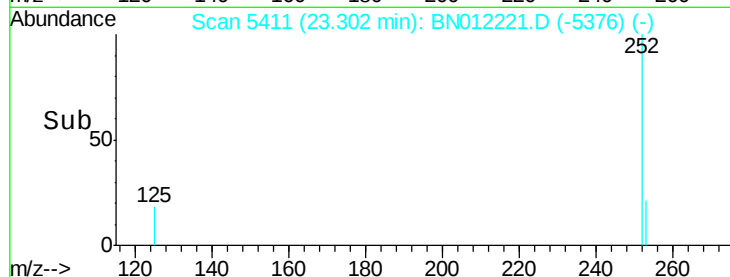
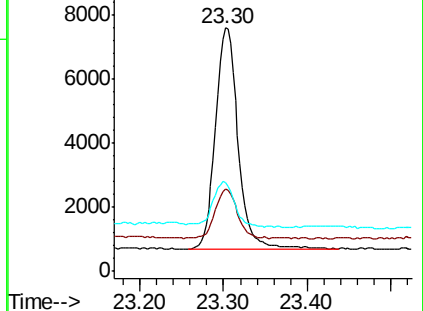
125 36.5 18.8 28.2#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.371 ng/ul

RT: 25.58 min Scan# 6166

Delta R.T. 0.01 min

Lab File: BN012221.D

Acq: 15 Oct 2020 07:46

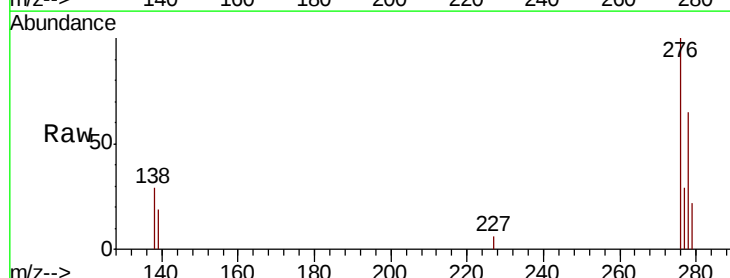
Tgt Ion:276 Resp: 16465

Ion Ratio Lower Upper

276 100

138 24.3 0.0 0.0#

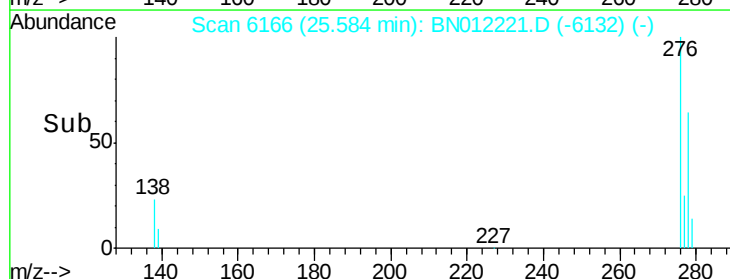
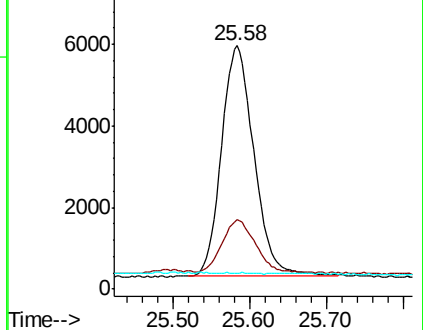
227 0.2 0.0 0.0#

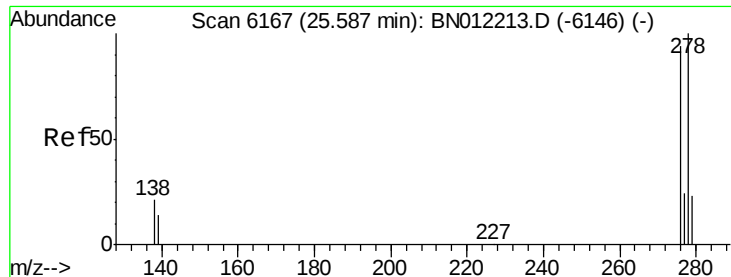


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

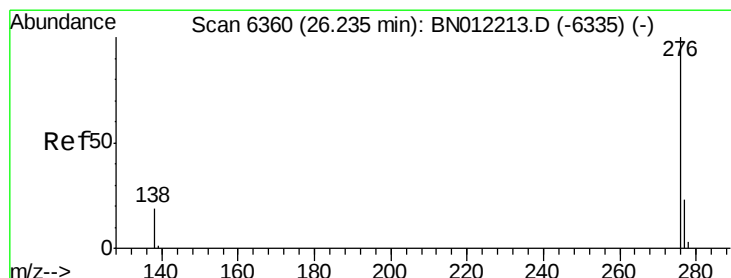
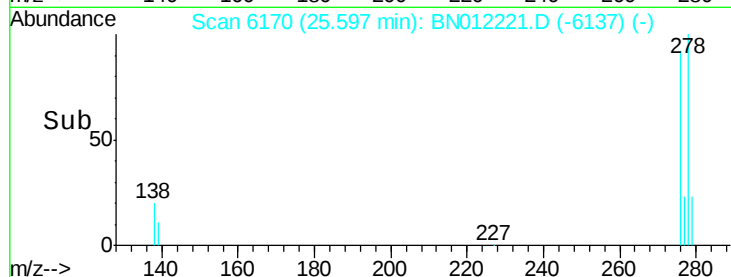
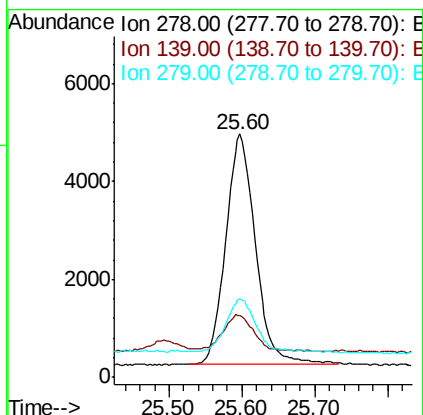
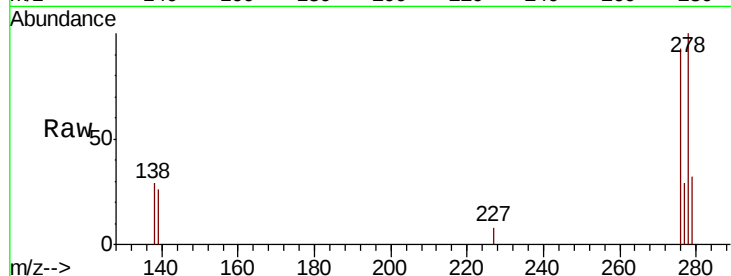




#25
Dibenzo(a,h)anthracene
Concen: 0.378 ng/ul
RT: 25.60 min Scan# 6170
Delta R.T. 0.01 min
Lab File: BN012221.D
Acq: 15 Oct 2020 07:46

Instrument :
BNA_N
ClientSampleId :
SSTD0.417

Tot Ion:278 Resp: 13416
Ion Ratio Lower Upper
278 100
139 25.6 15.7 23.5#
279 32.0 26.0 39.0



#26
Benzo(g,h,i)perylene
Concen: 0.345 ng/ul
RT: 26.25 min Scan# 6364
Delta R.T. 0.01 min
Lab File: BN012221.D
Acq: 15 Oct 2020 07:46

Tgt Ion:276 Resp: 14050
Ion Ratio Lower Upper
276 100
138 26.7 17.1 25.7#
277 28.2 21.1 31.7

