

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012241.D
 Acq On : 15 Oct 2020 21:01
 Operator : CG/JU
 Sample : L4235-06
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS9

Quant Time: Oct 16 01:27:42 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 : Fri Oct 16 01:19:50 2020
 Response via : Initial Calibration

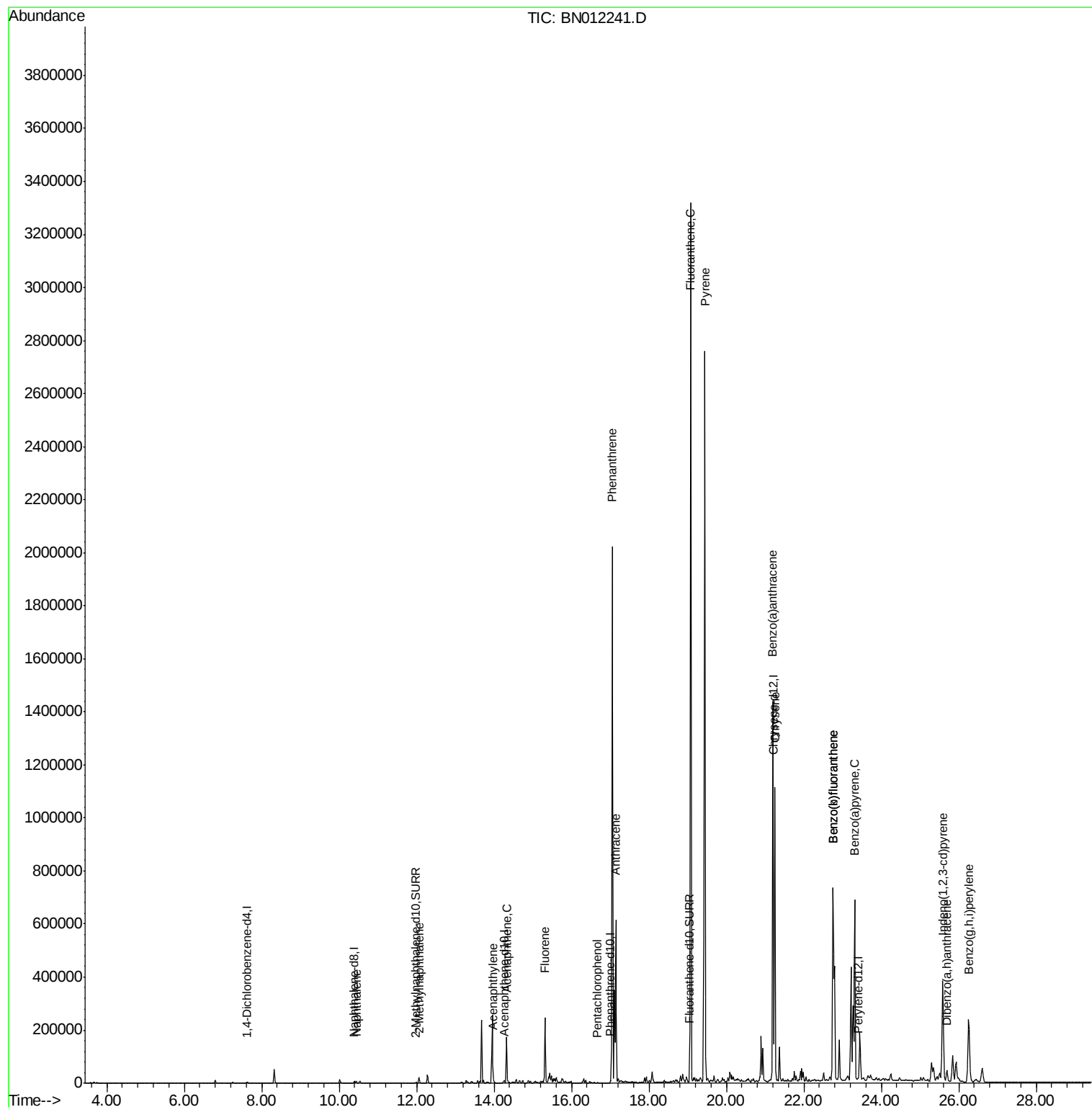
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1760	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	7563	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4735	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9891	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7960	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	9720	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1918	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4923	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	10280	0.471	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	15722	1.134	ng/ul	99
7) Acenaphthylene	13.98	152	13187	0.642	ng/ul#	92
8) Acenaphthene	14.32	153	96423	5.553	ng/ul	99
9) Fluorene	15.31	166	147791	7.647	ng/ul	99
11) Pentachlorophenol	16.66	266	70	0.024	ng/ul#	86
12) Phenanthrene	17.05	178	2096955	66.507	ng/ul	98
13) Anthracene	17.14	178	617139	22.819	ng/ul	97
15) Fluoranthene	19.08	202	2757699	74.800	ng/ul	99
17) Pyrene	19.45	202	2286305	63.706	ng/ul	98
18) Benzo(a)anthracene	21.20	228	1186277	40.234	ng/ul	99
19) Chrysene	21.25	228	1002862	27.918	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	1640382	41.782	ng/ul	84
22) Benzo(k)fluoranthene	22.75	252	1640382	37.747	ng/ul#	86
23) Benzo(a)pyrene	23.31	252	884220	23.151	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.58	276	561673	11.447	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.69	278	52856	1.347	ng/ul	95
26) Benzo(g,h,i)perylene	26.25	276	469492	10.440	ng/ul	97

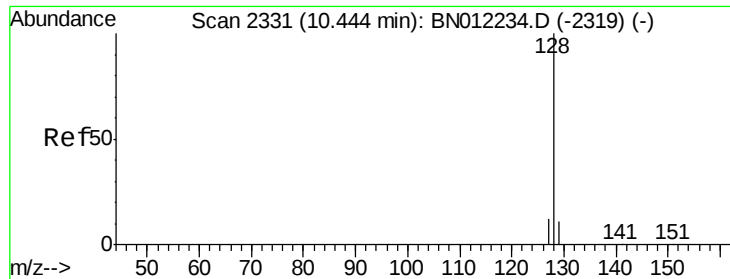
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.471 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.01 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

ClientSampleId :

C0AS9

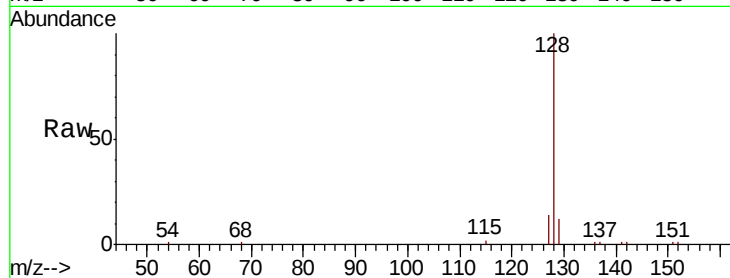
Tot Ion:128 Resp: 10280

Ion Ratio Lower Upper

128 100

129 12.3 10.3 15.5

127 14.0 11.9 17.9

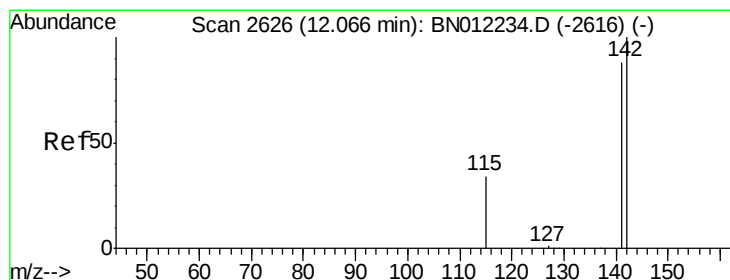
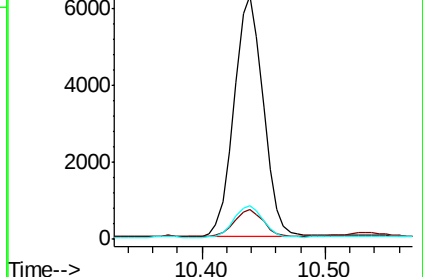
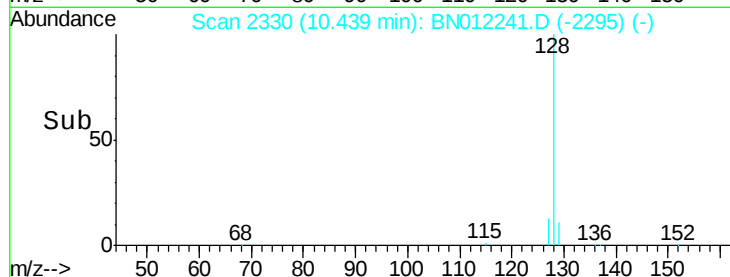


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.44



#5

2-Methylnaphthalene

Concen: 1.134 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BN012241.D

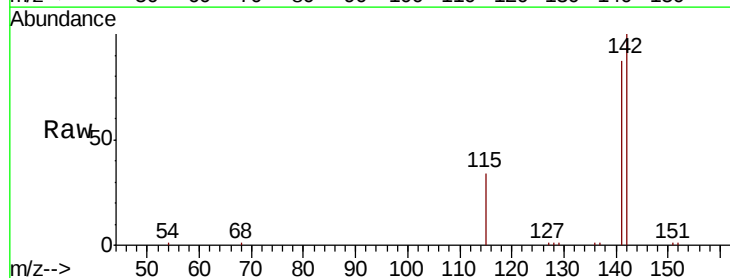
Acq: 15 Oct 2020 21:01

Tgt Ion:142 Resp: 15722

Ion Ratio Lower Upper

142 100

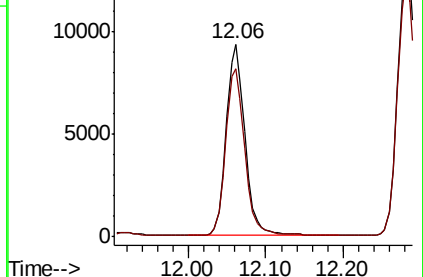
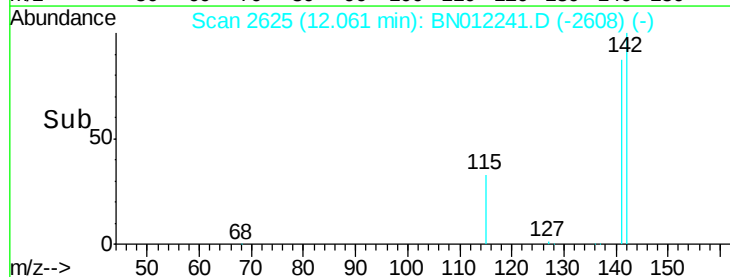
141 89.1 71.7 107.5

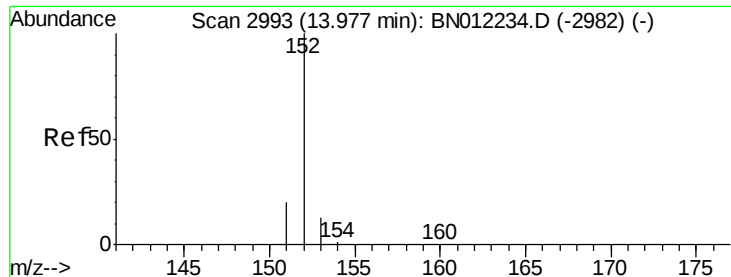


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.06





#7

Acenaphthylene

Concen: 0.642 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

ClientSampleId :

C0AS9

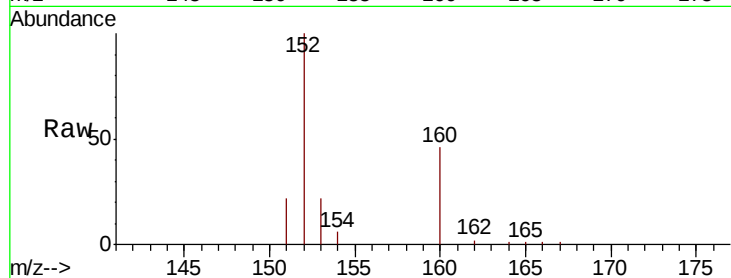
Tot Ion:152 Resp: 13187

Ion Ratio Lower Upper

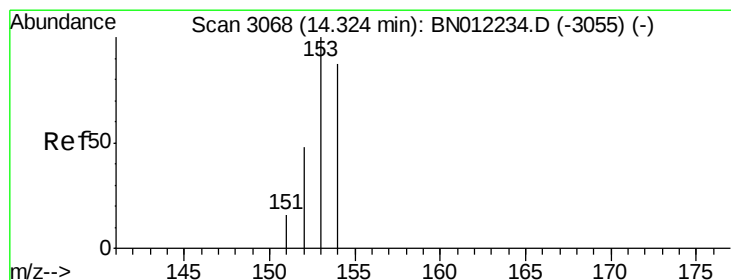
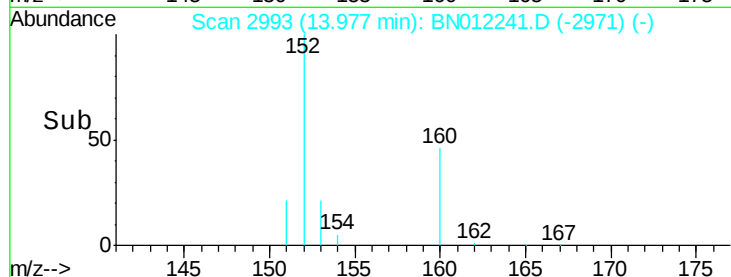
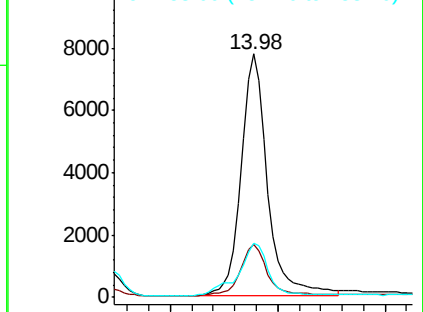
152 100

151 21.6 16.7 25.1

153 22.3 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



#8

Acenaphthene

Concen: 5.553 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

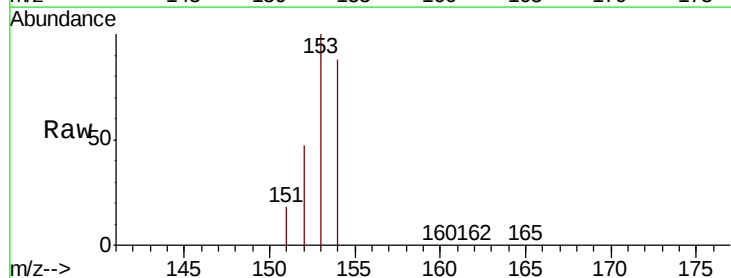
Tgt Ion:153 Resp: 96423

Ion Ratio Lower Upper

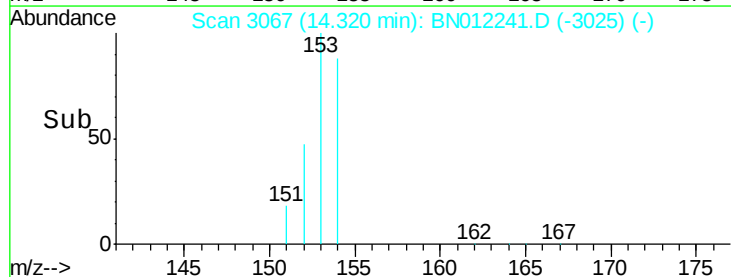
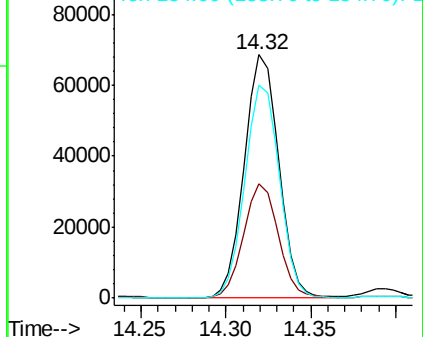
153 100

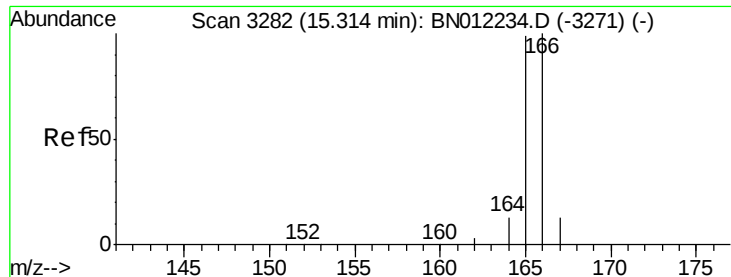
152 47.2 38.2 57.2

154 87.5 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





#9

Fluorene

Concen: 7.647 ng/ul

RT: 15.31 min Scan# 3281

Delta R.T. -0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

ClientSampleId :

C0AS9

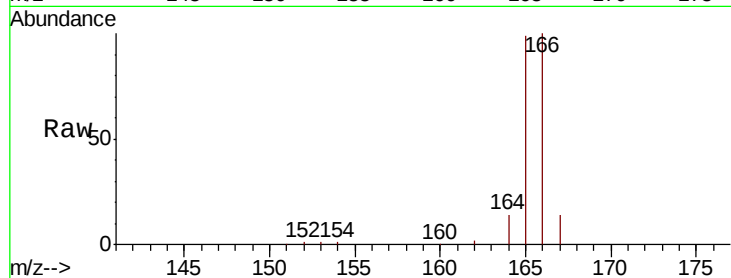
Tot Ion:166 Resp: 147791

Ion Ratio Lower Upper

166 100

165 99.2 78.6 118.0

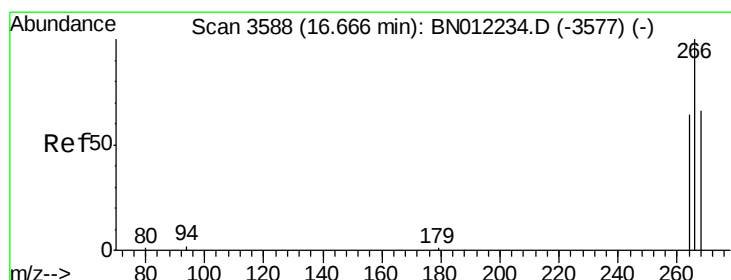
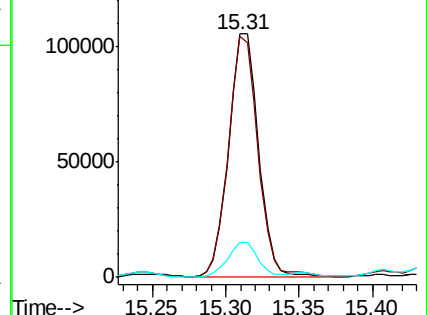
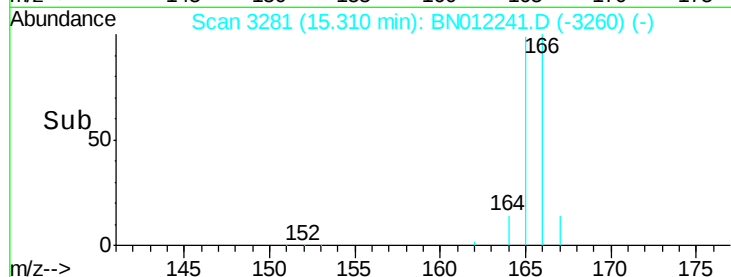
167 14.4 11.9 17.9



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: 0.024 ng/ul

RT: 16.66 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

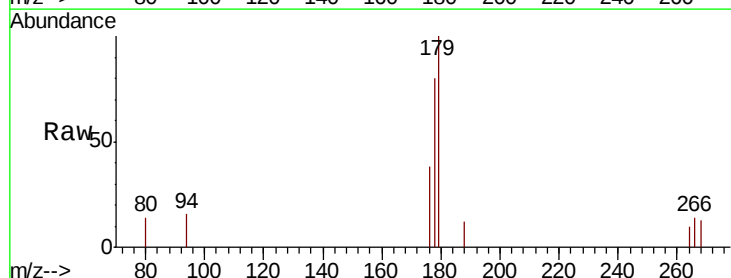
Tgt Ion:266 Resp: 70

Ion Ratio Lower Upper

266 100

264 57.1 50.3 75.5

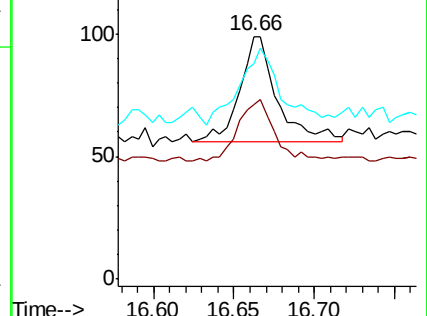
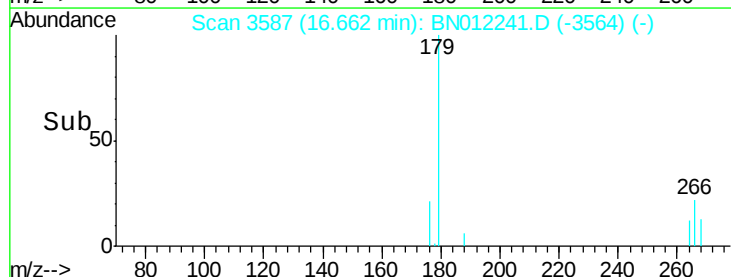
268 81.4 52.4 78.6#

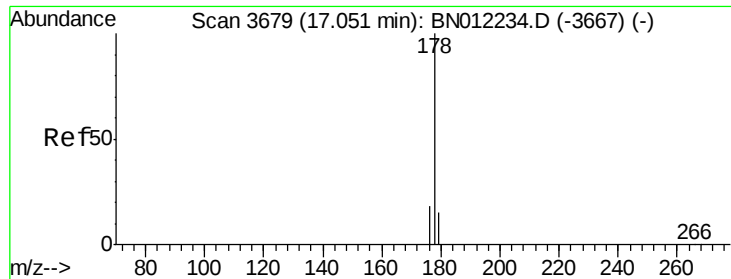


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 66.507 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

ClientSampleId :

C0AS9

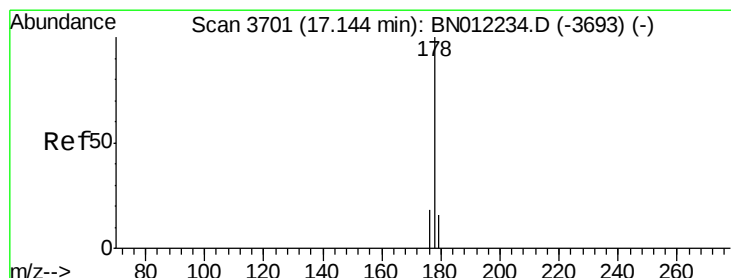
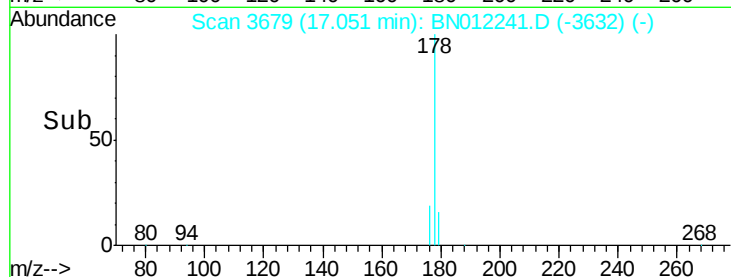
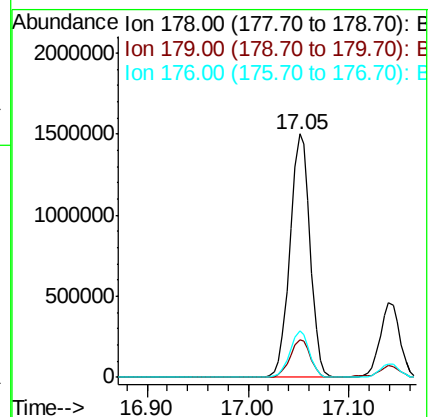
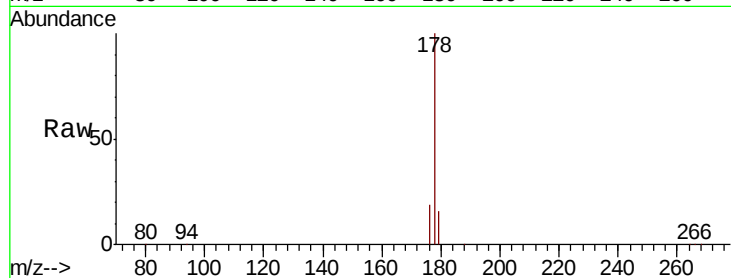
Tot Ion:178 Resp: 2096955

Ion Ratio Lower Upper

178 100

179 15.7 13.4 20.2

176 18.9 15.7 23.5



#13

Anthracene

Concen: 22.819 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

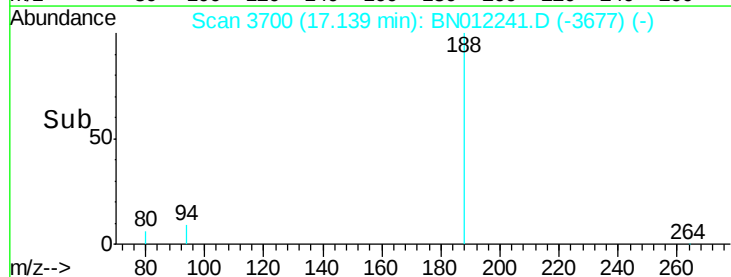
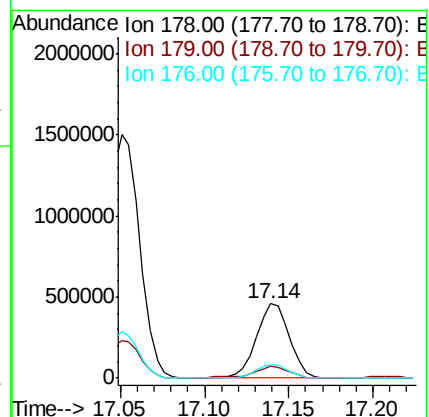
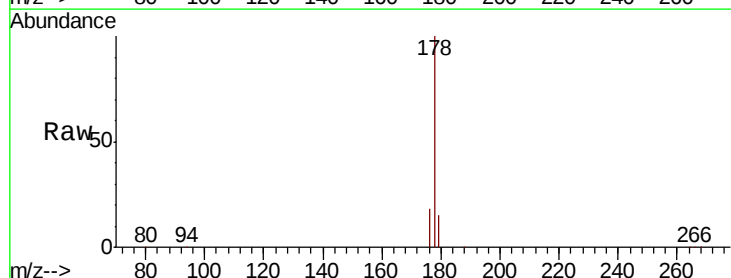
Tgt Ion:178 Resp: 617139

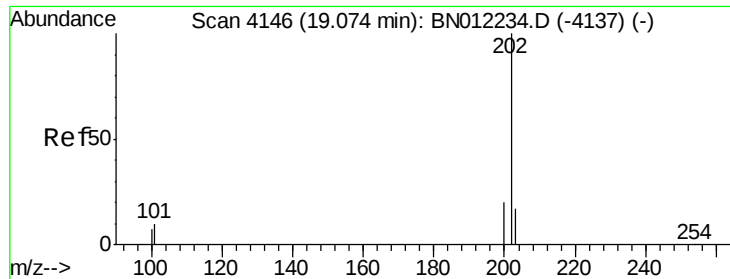
Ion Ratio Lower Upper

178 100

179 15.4 13.9 20.9

176 18.1 15.4 23.0





#15

Fluoranthene

Concen: 74.800 ng/ul

RT: 19.08 min Scan# 4147

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

ClientSampleId :

C0AS9

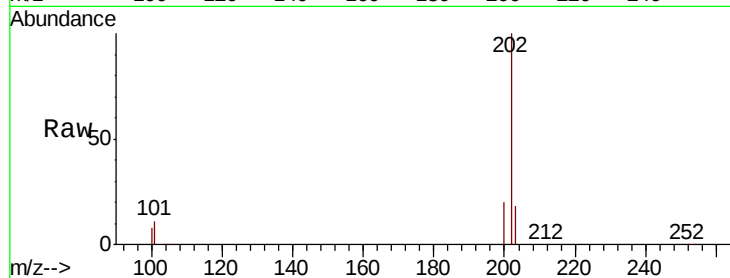
Tot Ion:202 Resp: 2757699

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

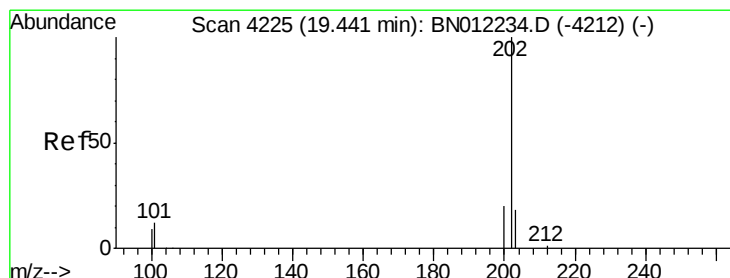
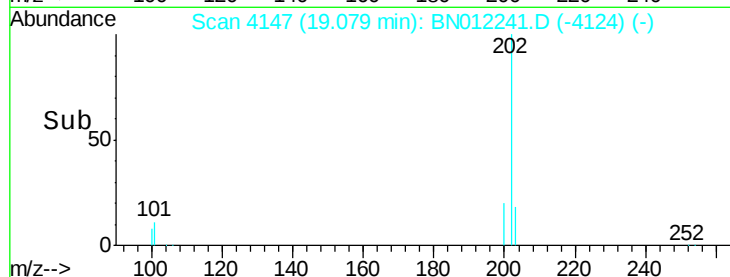
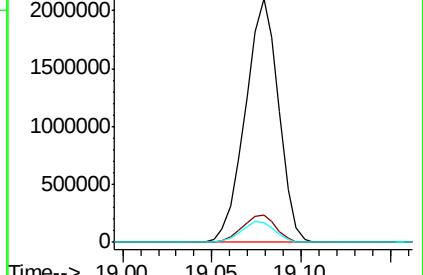
100 8.3 0.0 28.7



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: 63.706 ng/ul

RT: 19.45 min Scan# 4226

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

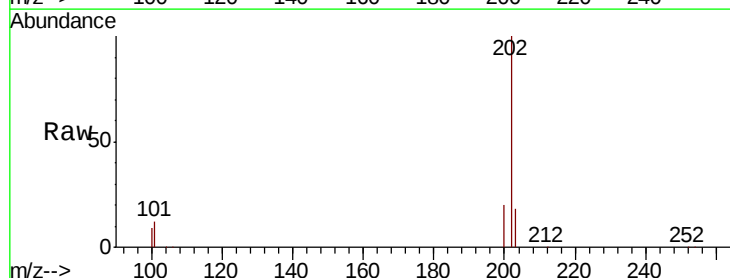
Tgt Ion:202 Resp: 2286305

Ion Ratio Lower Upper

202 100

101 11.8 9.9 14.9

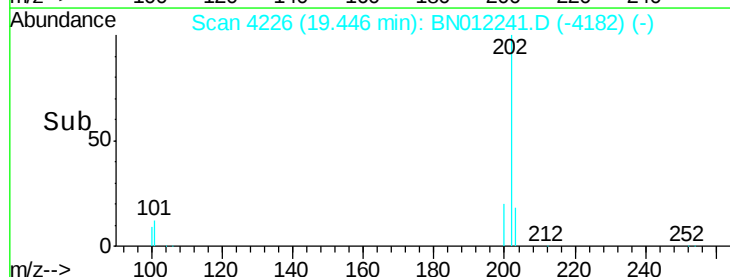
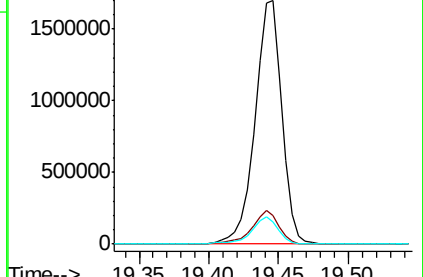
100 9.3 8.0 12.0

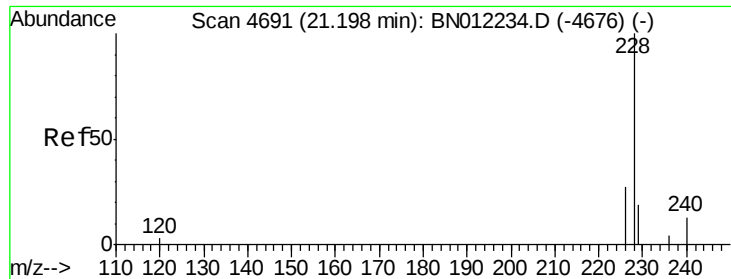


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 40.234 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. 0.00 min

Lab File: BN012241.D

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Instrument :

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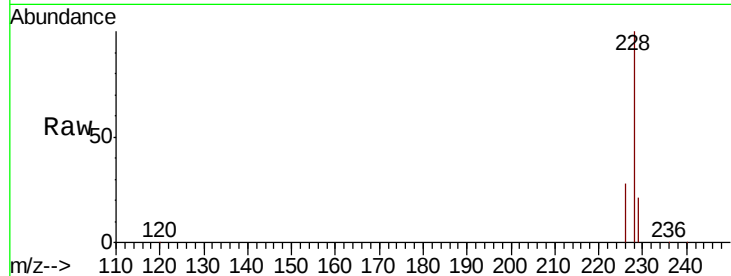
Tot Ion:228 Resp: 1186277

Ion Ratio Lower Upper

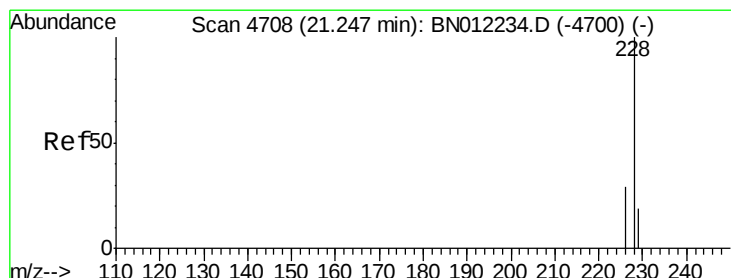
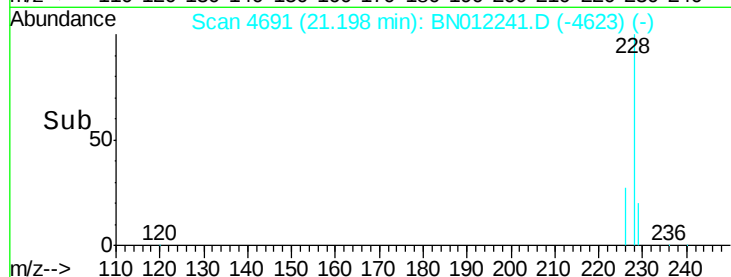
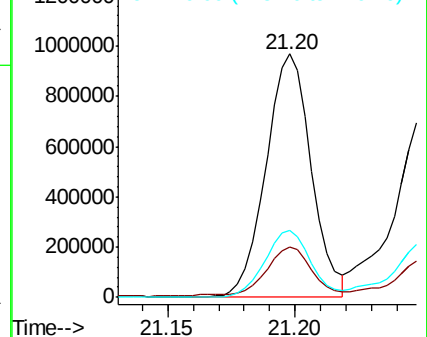
228 100

229 20.5 15.8 23.8

226 27.6 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: 27.918 ng/ul

RT: 21.25 min Scan# 4709

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

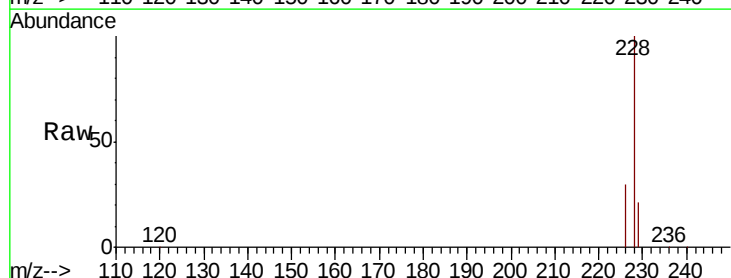
Tgt Ion:228 Resp: 1002862

Ion Ratio Lower Upper

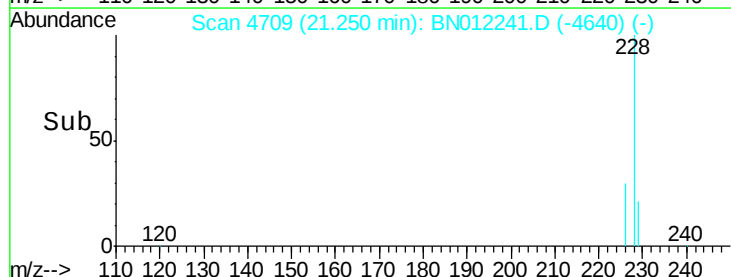
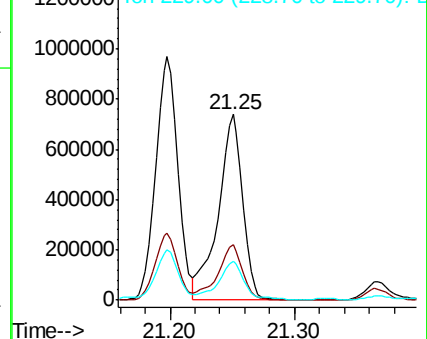
228 100

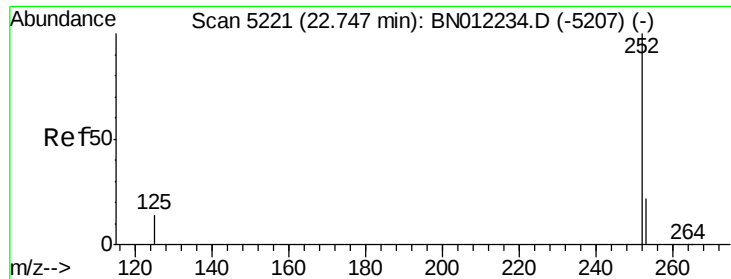
226 29.6 24.6 37.0

229 21.1 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: 41.782 ng/ul

RT: 22.75 min Scan# 5223

Delta R.T. 0.01 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

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C0AS9

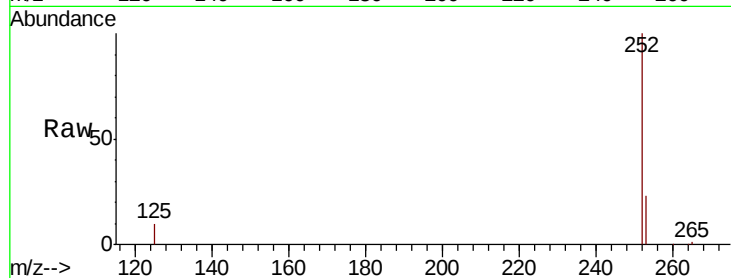
Tot Ion:252 Resp: 1640382

Ion Ratio Lower Upper

252 100

253 22.6 0.0 61.6

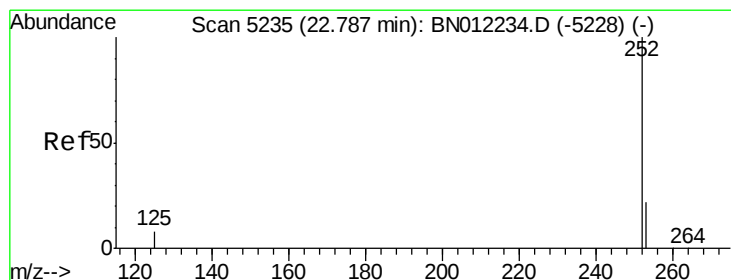
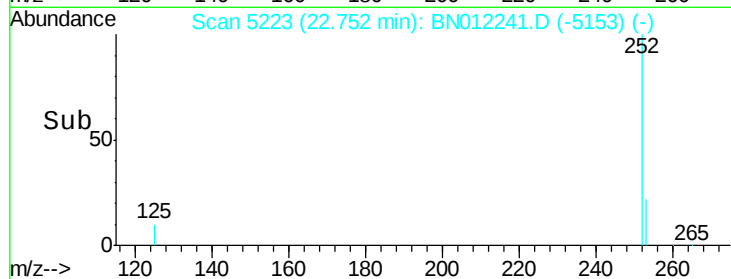
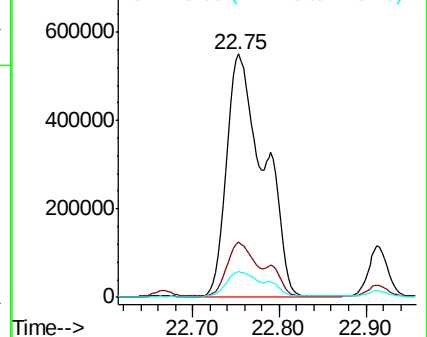
125 10.5 0.0 36.8



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: 37.747 ng/ul

RT: 22.75 min Scan# 5223

Delta R.T. -0.04 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

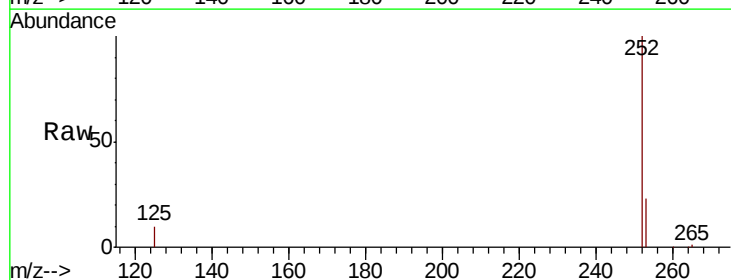
Tgt Ion:252 Resp: 1640382

Ion Ratio Lower Upper

252 100

253 22.6 24.4 36.6#

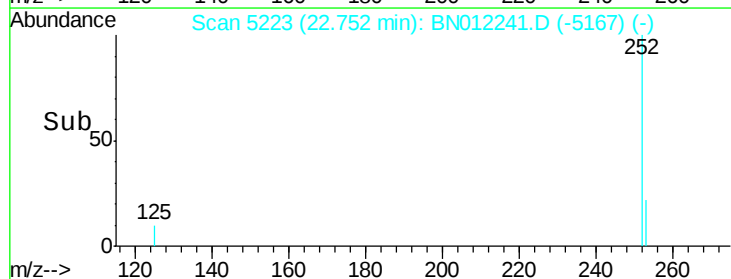
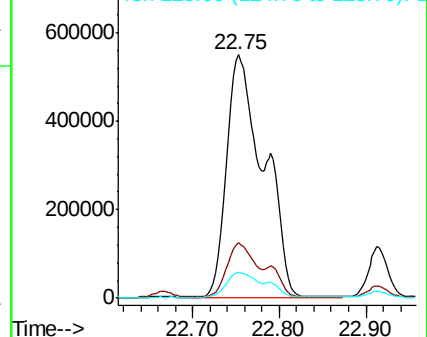
125 10.5 12.9 19.3#

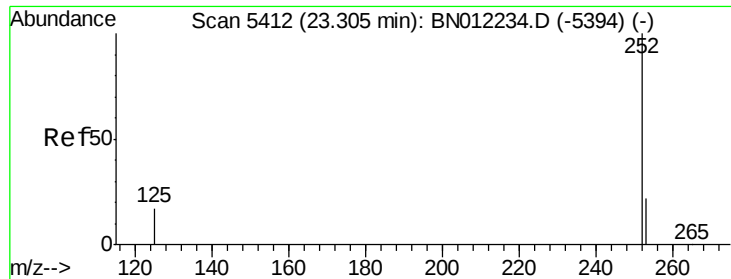


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 23.151 ng/u1

RT: 23.31 min Scan# 5413

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

Instrument :

BNA_N

ClientSampleId :

C0AS9

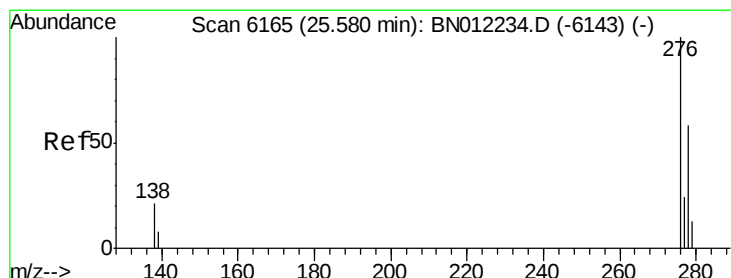
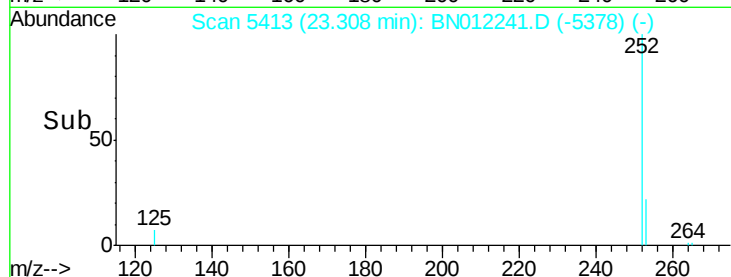
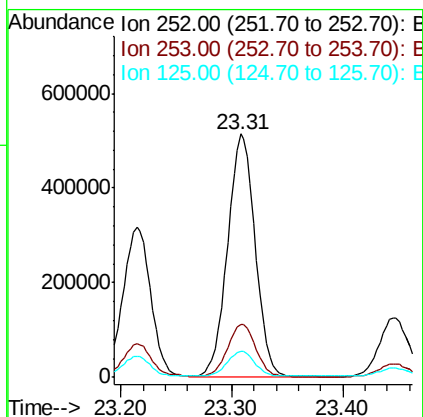
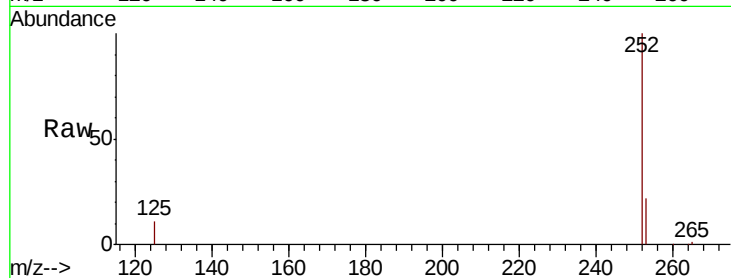
Tot Ion:252 Resp: 884220

Ion Ratio Lower Upper

252 100

253 22.0 27.0 40.4#

125 10.7 18.8 28.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 11.447 ng/u1

RT: 25.58 min Scan# 6166

Delta R.T. 0.00 min

Lab File: BN012241.D

Acq: 15 Oct 2020 21:01

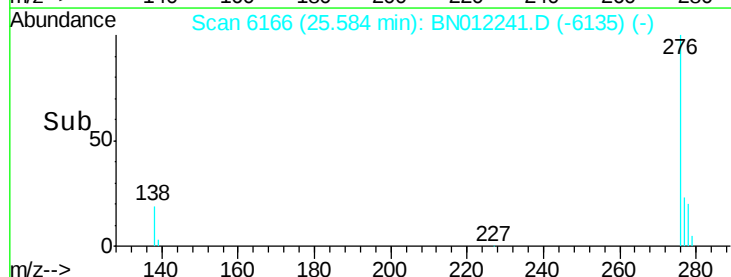
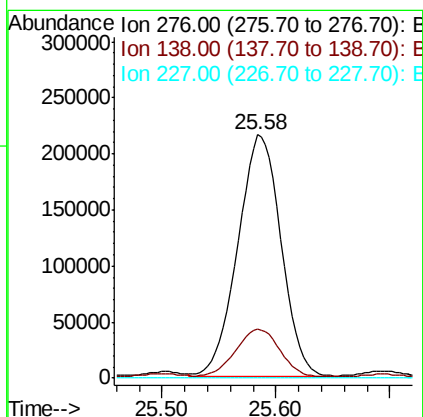
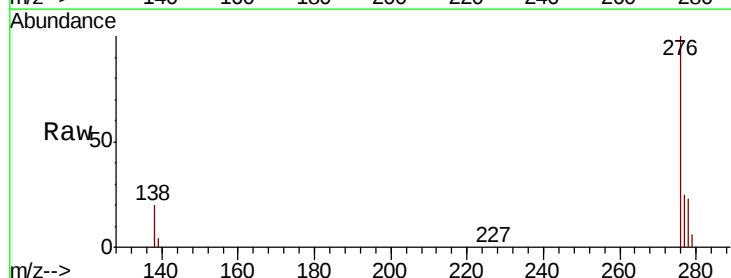
Tgt Ion:276 Resp: 561673

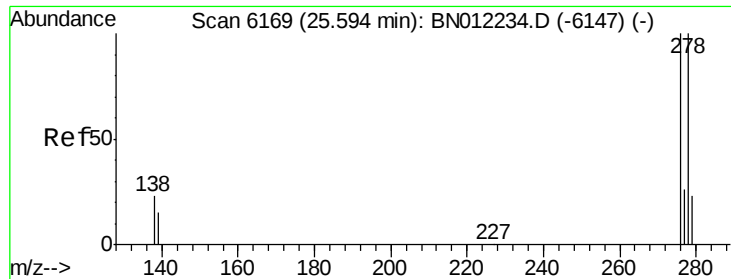
Ion Ratio Lower Upper

276 100

138 20.3 0.0 0.0#

227 0.2 0.0 0.0#

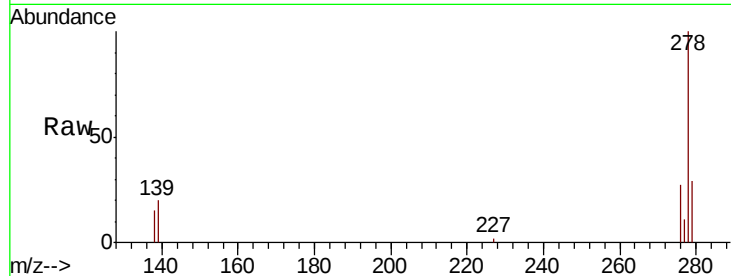




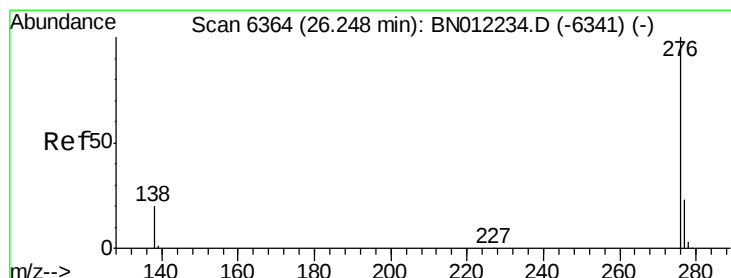
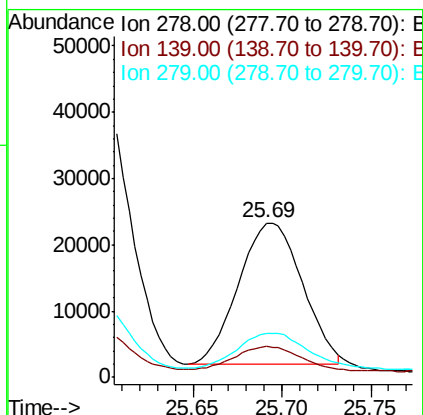
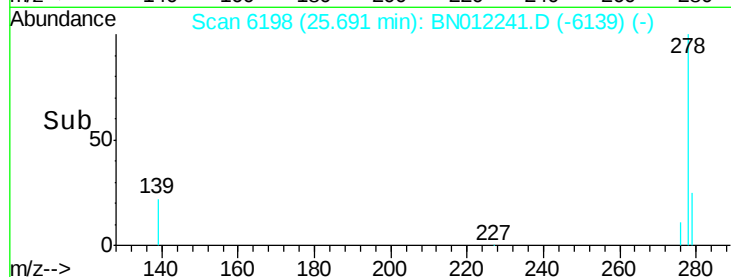
#25
Dibenzo(a,h)anthracene
Concen: 1.347 ng/ul
RT: 25.69 min Scan# 6198
Delta R.T. 0.10 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Instrument :
BNA_N
ClientSampleId :
C0AS9

Tot Ion:278 Resp: 52856
Ion Ratio Lower Upper
278 100
139 20.0 15.7 23.5
279 28.7 26.0 39.0

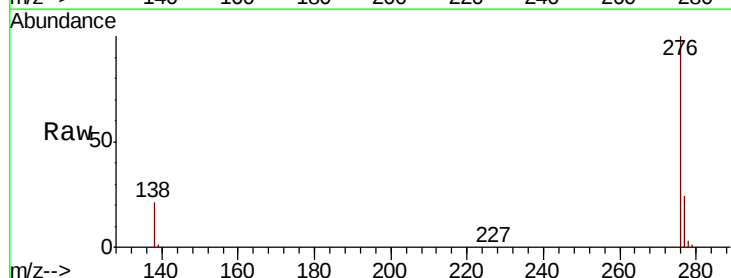


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 10.440 ng/ul
RT: 26.25 min Scan# 6366
Delta R.T. 0.01 min
Lab File: BN012241.D
Acq: 15 Oct 2020 21:01

Tgt Ion:276 Resp: 469492
Ion Ratio Lower Upper
276 100
138 20.5 17.1 25.7
277 24.0 21.1 31.7



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

