

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012208.D
 Acq On : 14 Oct 2020 23:19
 Operator : CG/JU
 Sample : L4166-08DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC9DL

Quant Time: Oct 15 00:54:31 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 00:46:15 2020
 Response via : Initial Calibration

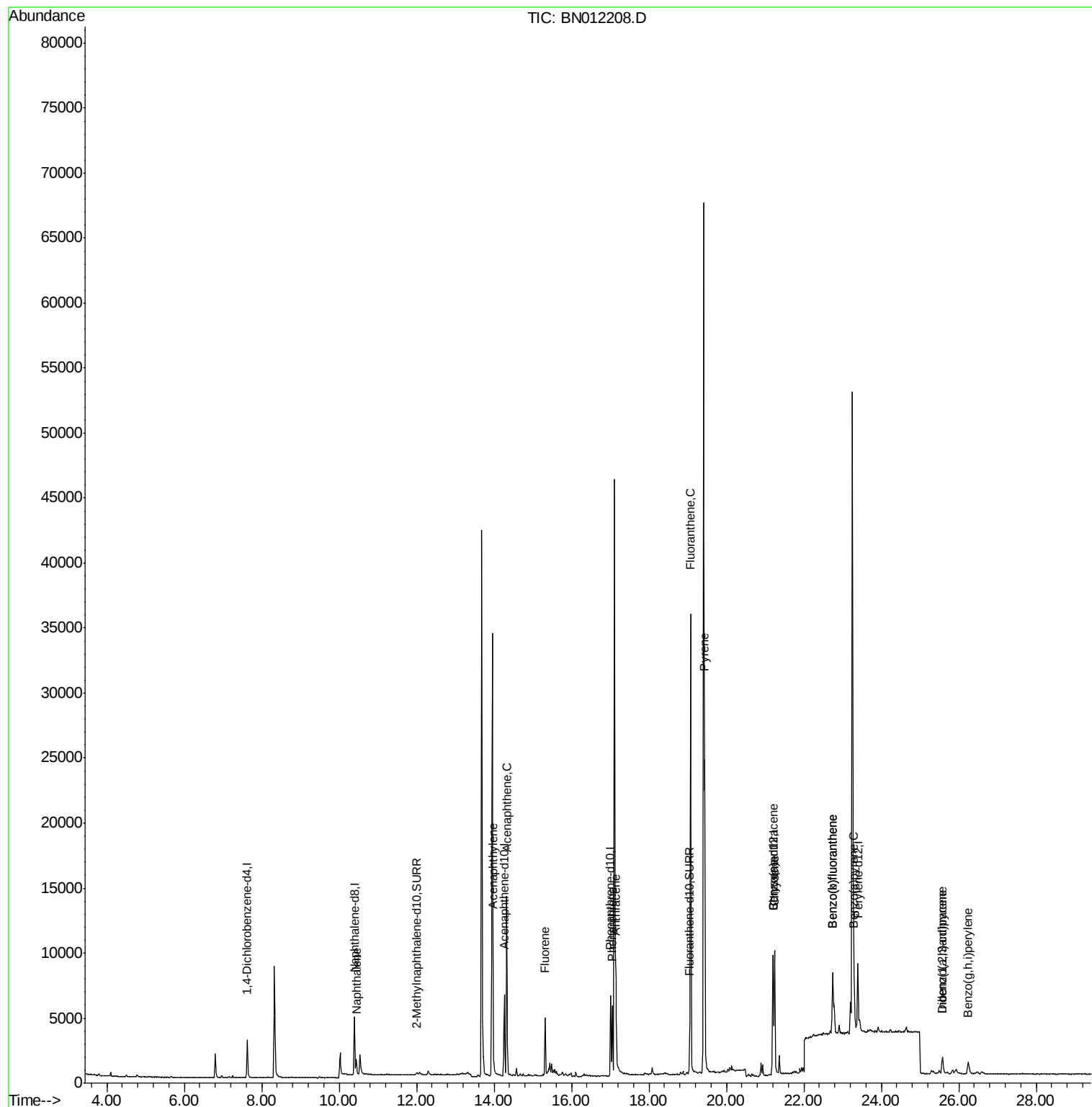
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1561	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6214	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3545	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	7364	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	6418	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	6740	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	305	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	684	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	1607	0.090	ng/ul#	93
7) Acenaphthylene	13.98	152	448	0.029	ng/ul#	68
8) Acenaphthene	14.32	153	7859	0.605	ng/ul	99
9) Fluorene	15.31	166	2918	0.202	ng/ul	99
12) Phenanthrene	17.05	178	5748	0.245	ng/ul	99
13) Anthracene	17.14	178	6093	0.303	ng/ul	100
15) Fluoranthene	19.07	202	31209	1.137	ng/ul	98
17) Pyrene	19.44	202	22984	0.794	ng/ul	99
18) Benzo(a)anthracene	21.19	228	6487	0.273	ng/ul	96
19) Chrysene	21.24	228	9966	0.344	ng/ul	99
21) Benzo(b)fluoranthene	22.74	252	10064	0.370	ng/ul	88
22) Benzo(k)fluoranthene	22.74	252	10064	0.334	ng/ul#	85
23) Benzo(a)pyrene	23.30	252	4099	0.155	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.58	276	2065	0.061	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	585	0.021	ng/ul#	1
26) Benzo(a,h,i)perylene	26.24	276	1943	0.062	ng/ul#	82

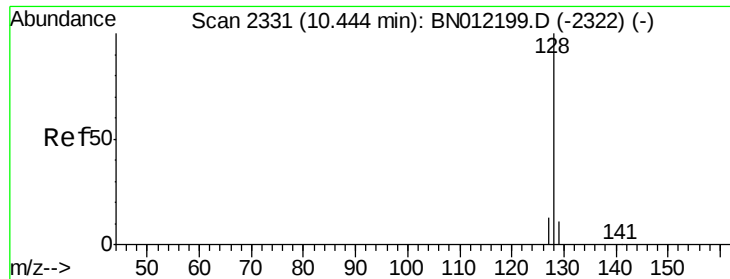
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 15 00:46:15 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.090 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

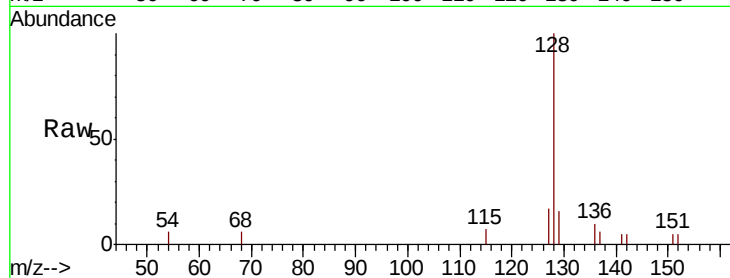
Tot Ion:128 Resp: 1607

Ion Ratio Lower Upper

128 100

129 16.1 10.3 15.5#

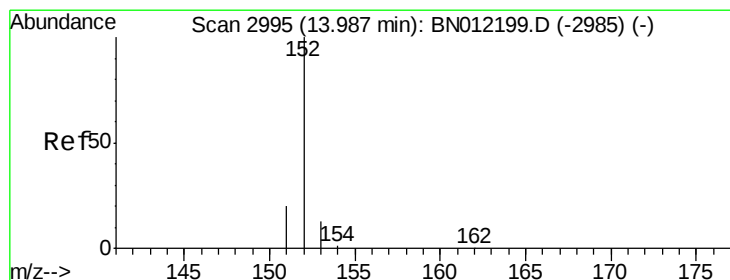
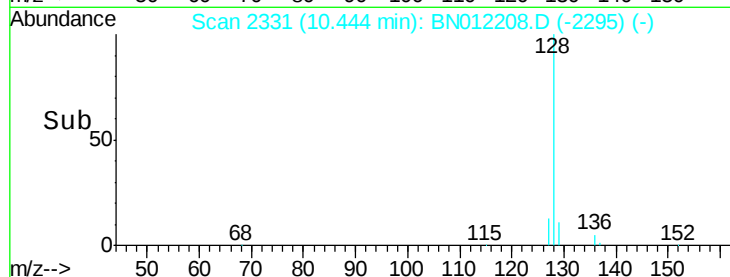
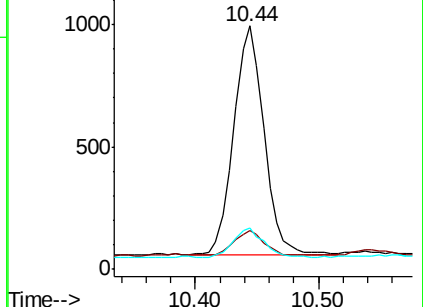
127 17.1 11.9 17.9



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



#7

Acenaphthylene

Concen: 0.029 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

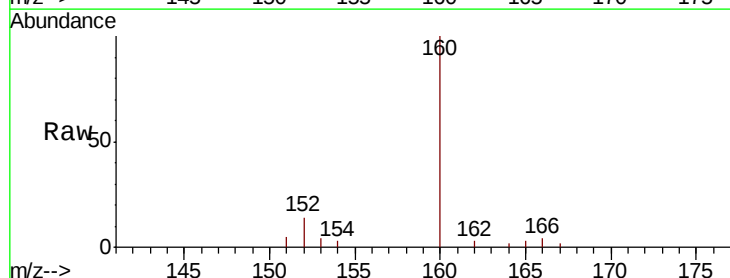
Tgt Ion:152 Resp: 448

Ion Ratio Lower Upper

152 100

151 34.0 16.7 25.1#

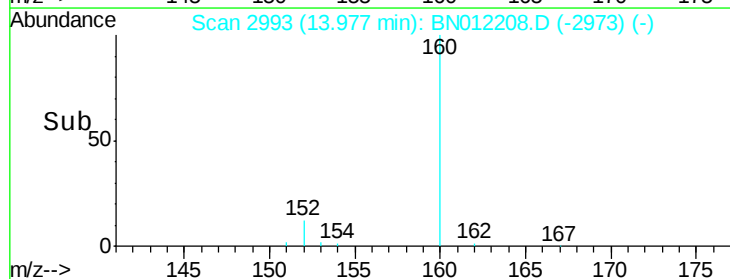
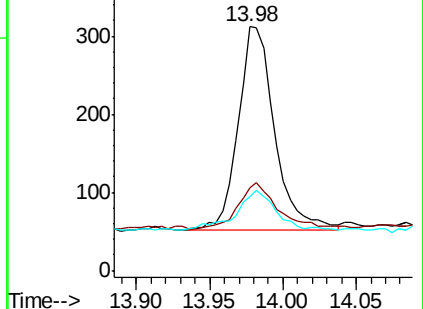
153 30.4 11.8 17.8#

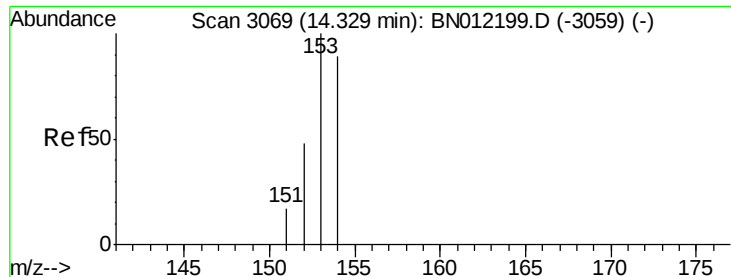


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.605 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

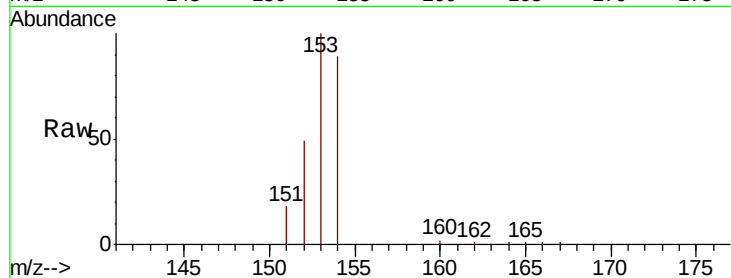
Tot Ion:153 Resp: 7859

Ion Ratio Lower Upper

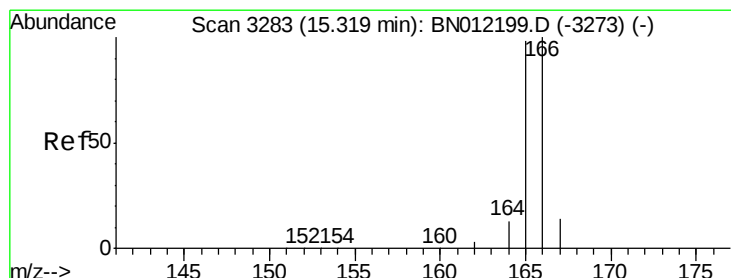
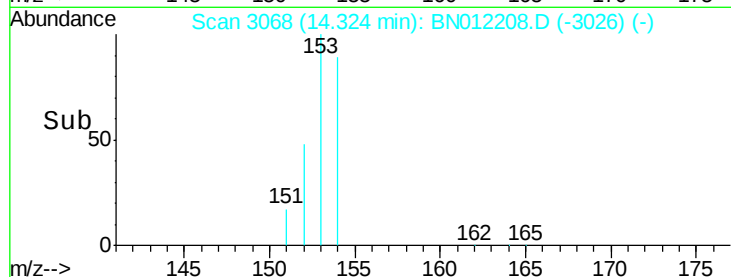
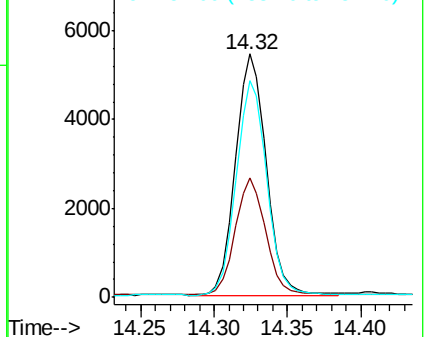
153 100

152 49.0 38.2 57.2

154 89.0 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: 0.202 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

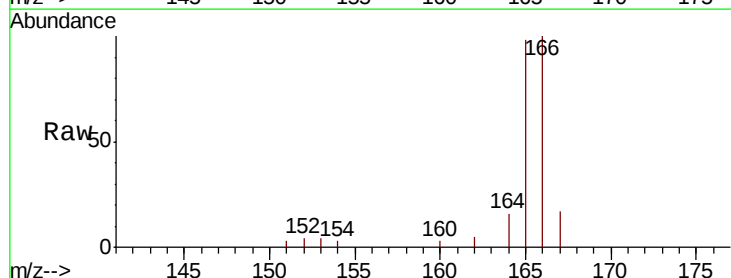
Tgt Ion:166 Resp: 2918

Ion Ratio Lower Upper

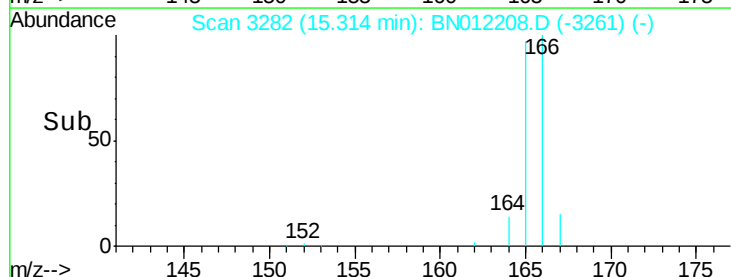
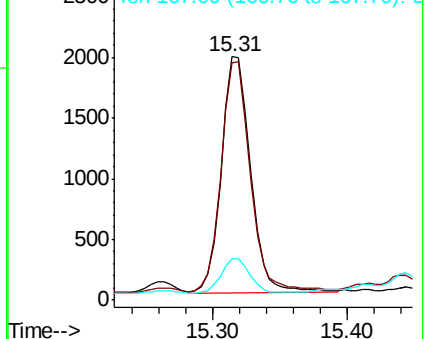
166 100

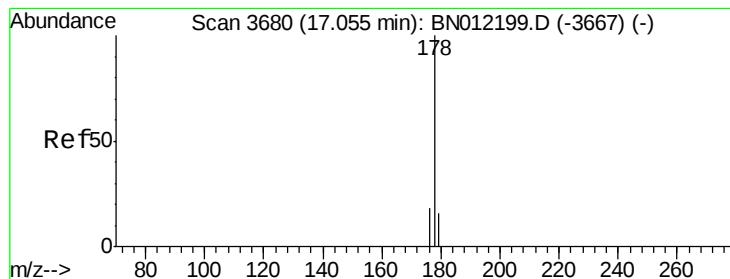
165 97.6 78.6 118.0

167 17.1 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





#12

Phenanthrene

Concen: 0.245 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

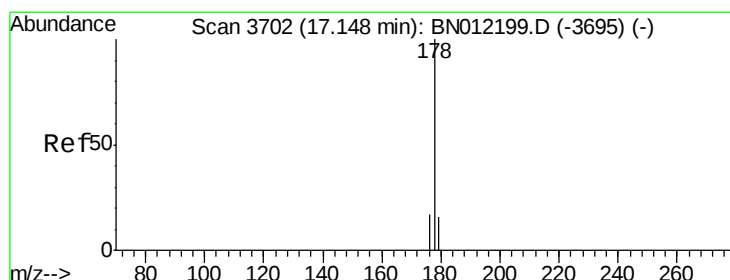
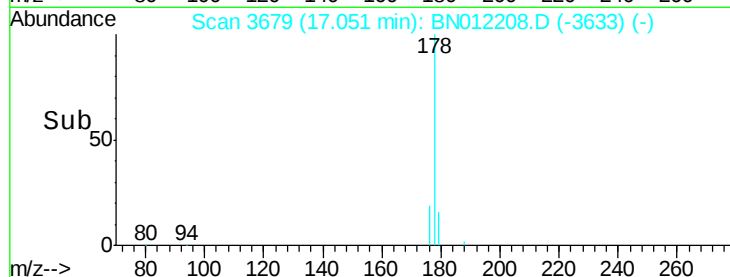
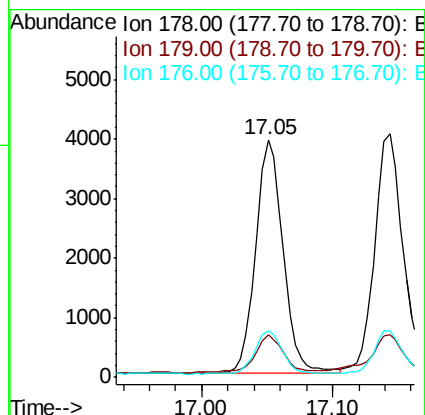
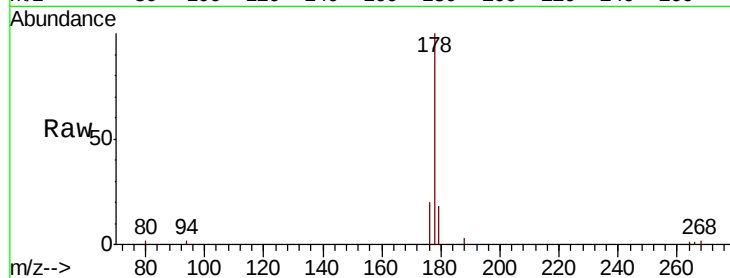
Tot Ion:178 Resp: 5748

Ion Ratio Lower Upper

178 100

179 17.8 13.4 20.2

176 19.8 15.7 23.5



#13

Anthracene

Concen: 0.303 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

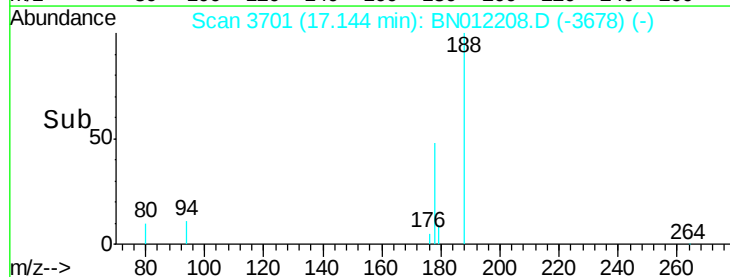
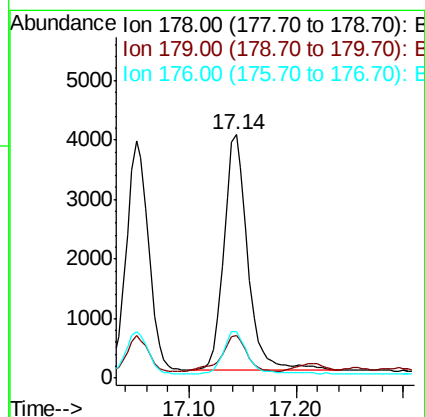
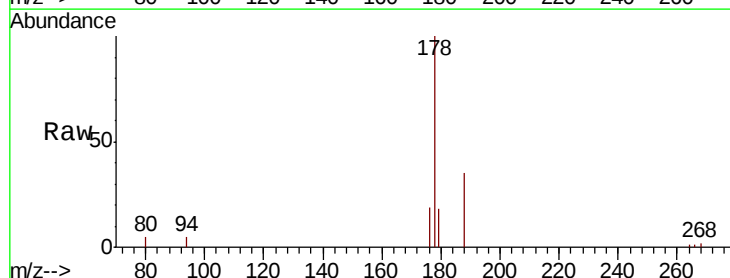
Tgt Ion:178 Resp: 6093

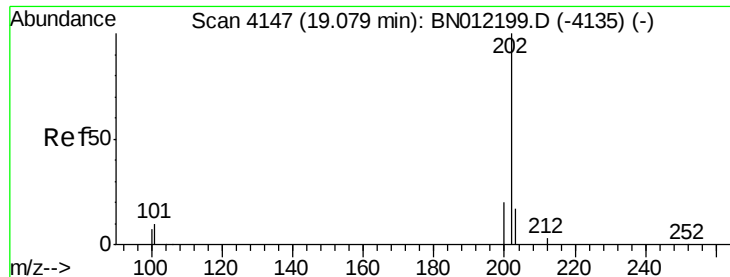
Ion Ratio Lower Upper

178 100

179 17.6 13.9 20.9

176 19.1 15.4 23.0





#15

Fluoranthene

Concen: 1.137 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

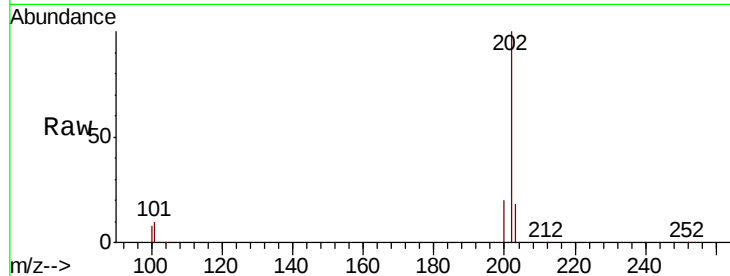
Tot Ion:202 Resp: 31209

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.0

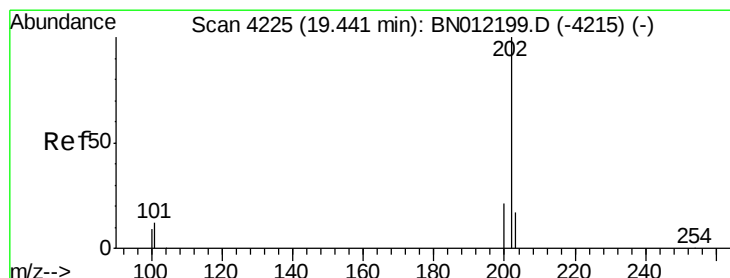
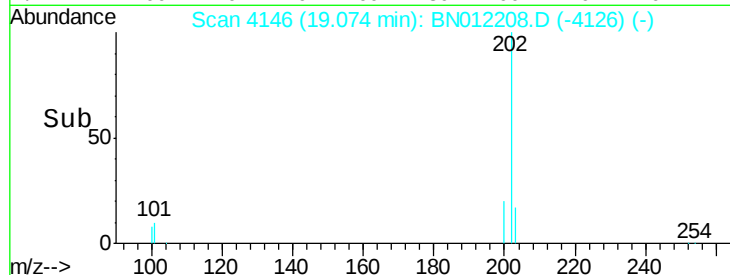
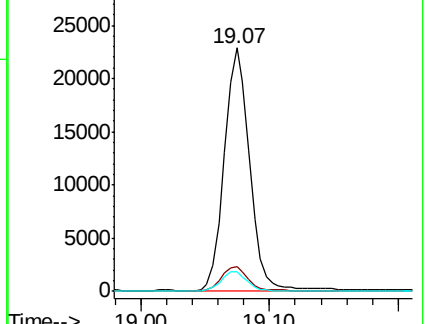
100 7.8 0.0 28.7



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: 0.794 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

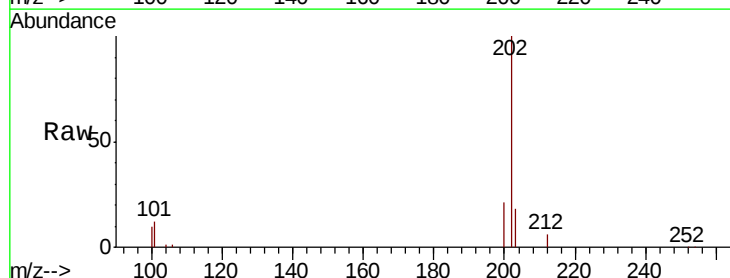
Tgt Ion:202 Resp: 22984

Ion Ratio Lower Upper

202 100

101 12.3 9.9 14.9

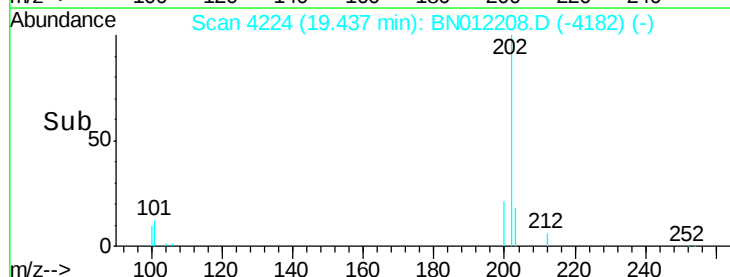
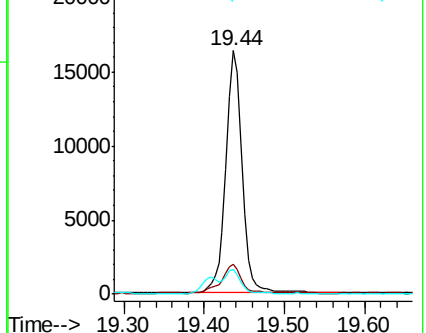
100 10.4 8.0 12.0

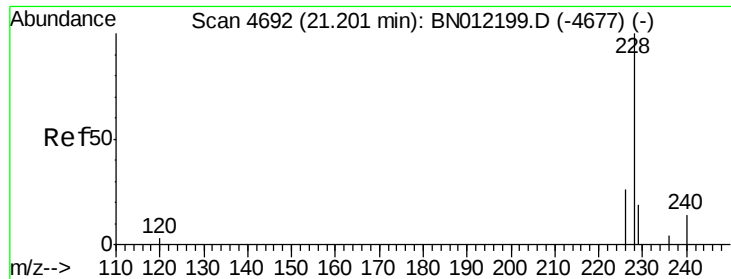


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.273 ng/ul

RT: 21.19 min Scan# 4689

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

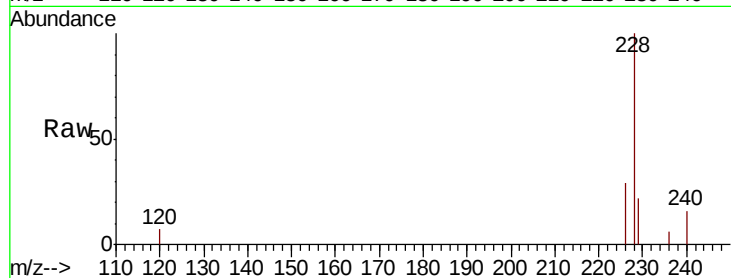
Tot Ion:228 Resp: 6487

Ion Ratio Lower Upper

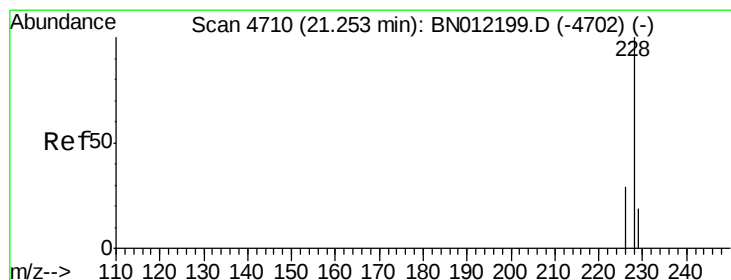
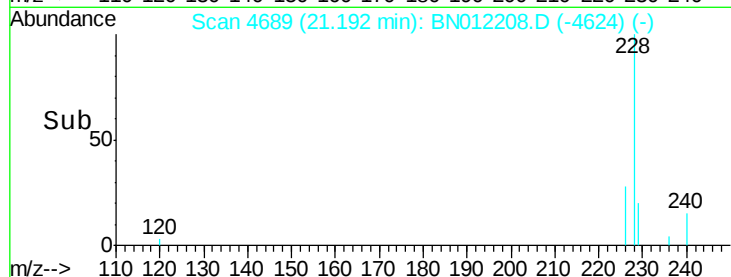
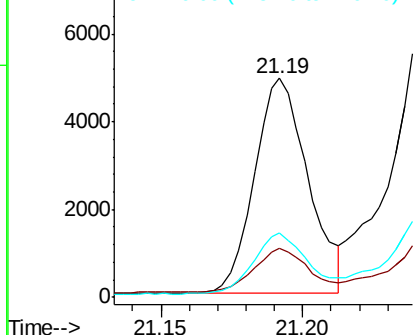
228 100

229 22.3 15.8 23.8

226 29.3 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: 0.344 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

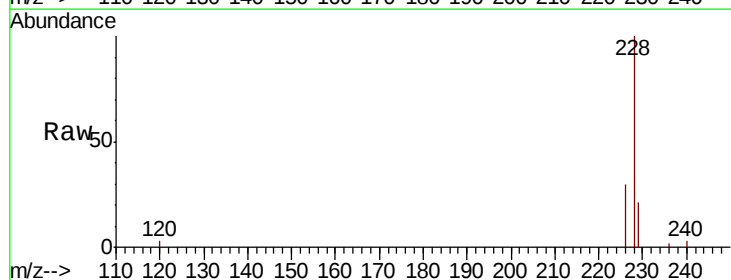
Tgt Ion:228 Resp: 9966

Ion Ratio Lower Upper

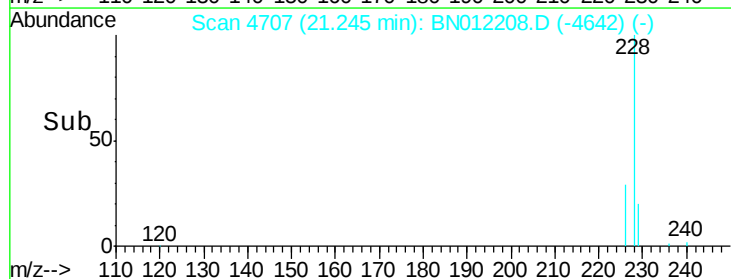
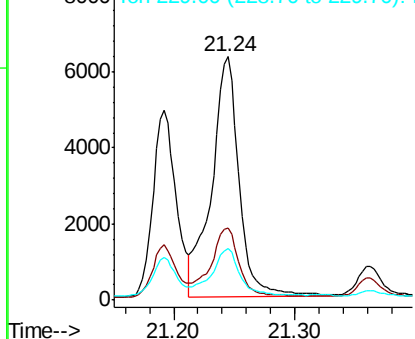
228 100

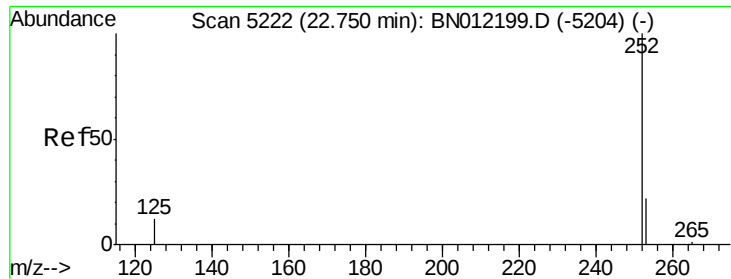
226 29.6 24.6 37.0

229 21.3 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: 0.370 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

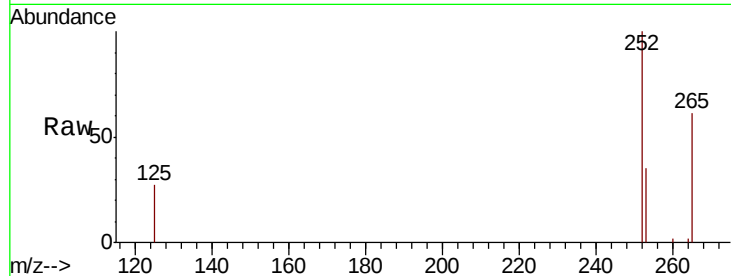
Tot Ion:252 Resp: 10064

Ion Ratio Lower Upper

252 100

253 35.4 0.0 61.6

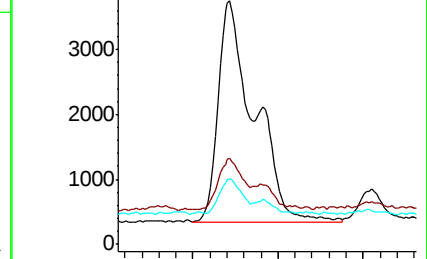
125 27.0 0.0 36.8



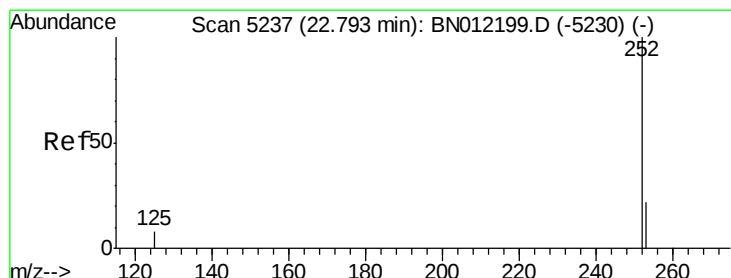
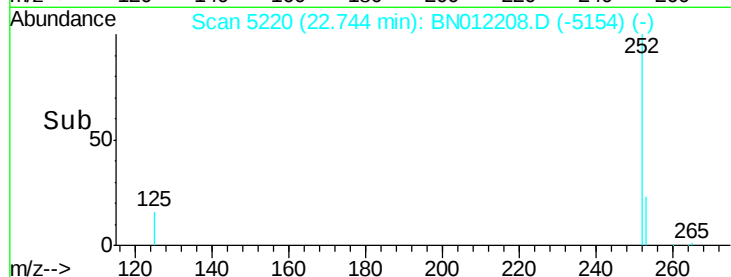
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.334 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.05 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

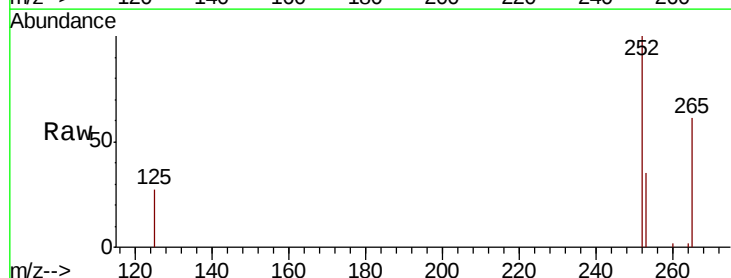
Tgt Ion:252 Resp: 10064

Ion Ratio Lower Upper

252 100

253 35.4 24.4 36.6

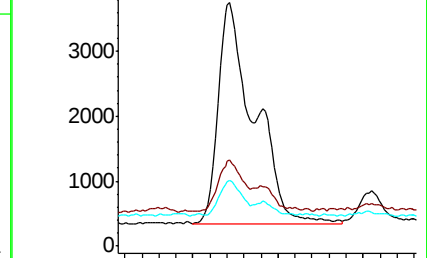
125 27.0 12.9 19.3#



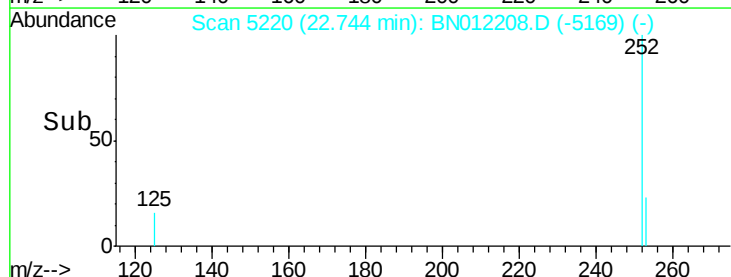
Abundance Ion 252.00 (251.70 to 252.70): E

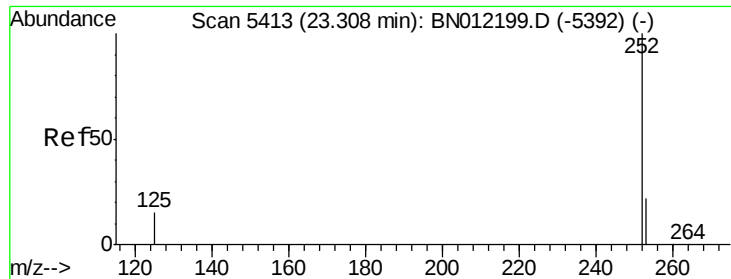
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.155 ng/u1

RT: 23.30 min Scan# 5410

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

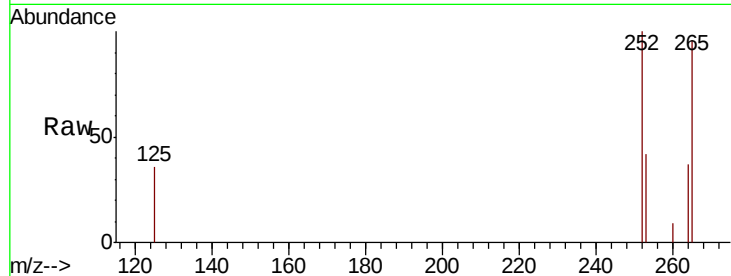
Tot Ion:252 Resp: 4099

Ion Ratio Lower Upper

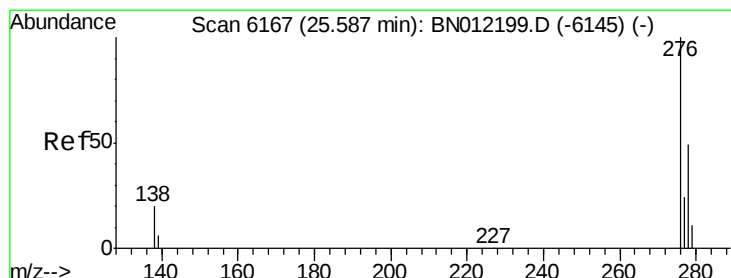
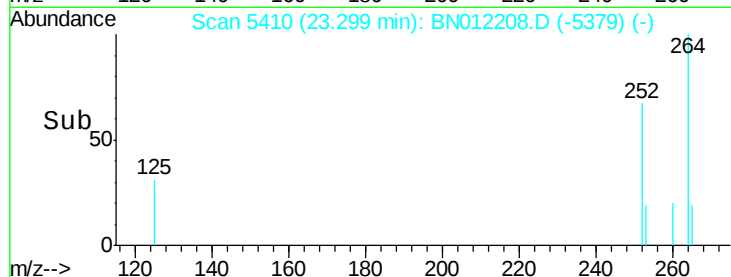
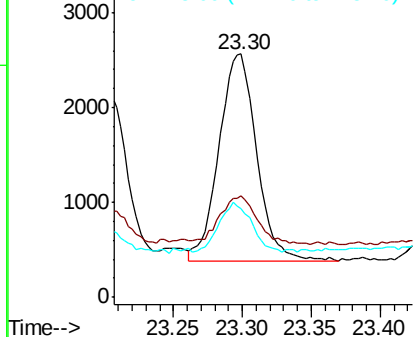
252 100

253 41.5 27.0 40.4#

125 36.4 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: 0.061 ng/u1

RT: 25.58 min Scan# 6164

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

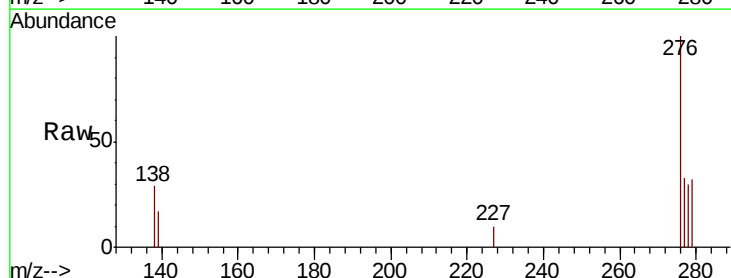
Tgt Ion:276 Resp: 2065

Ion Ratio Lower Upper

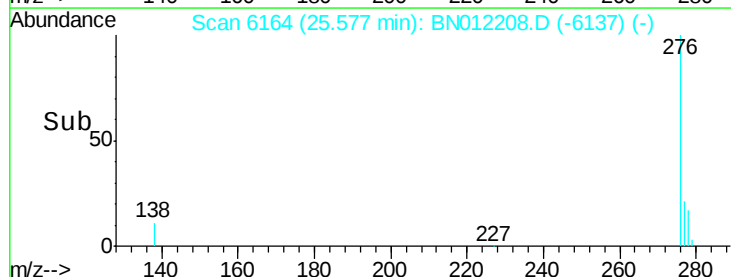
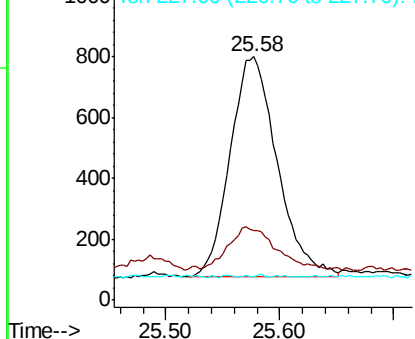
276 100

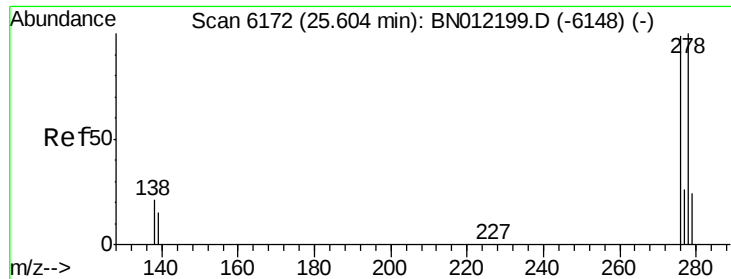
138 19.3 0.0 0.0#

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: 0.021 ng/u1

RT: 25.58 min Scan# 6165

Delta R.T. -0.02 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

Instrument :

BNA_N

ClientSampleId :

C0AC9DL

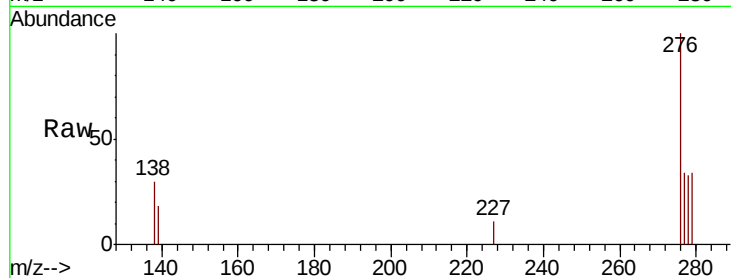
Tot Ion:278 Resp: 585

Ion Ratio Lower Upper

278 100

139 55.4 15.7 23.5#

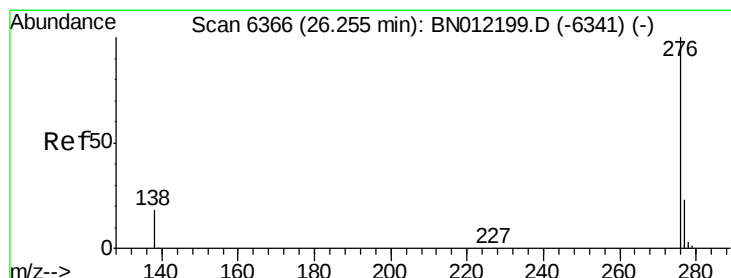
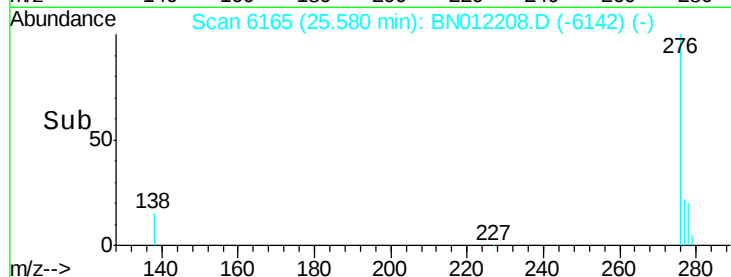
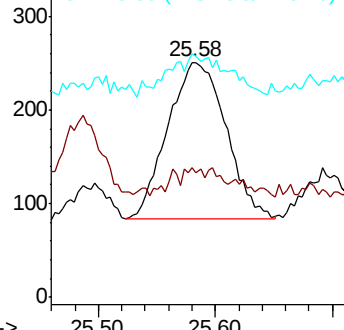
279 103.6 26.0 39.0#



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: 0.062 ng/u1

RT: 26.24 min Scan# 6363

Delta R.T. -0.01 min

Lab File: BN012208.D

Acq: 14 Oct 2020 23:19

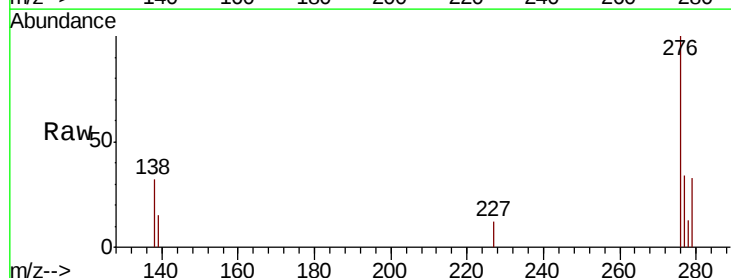
Tgt Ion:276 Resp: 1943

Ion Ratio Lower Upper

276 100

138 31.8 17.1 25.7#

277 34.0 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

