

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012276.D
 Acq On : 16 Oct 2020 20:40
 Operator : CG/JU
 Sample : L4201-18DL 5X
 Misc :
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AK8DL

Quant Time: Oct 16 23:50:08 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 23:42:05 2020
 Response via : Initial Calibration

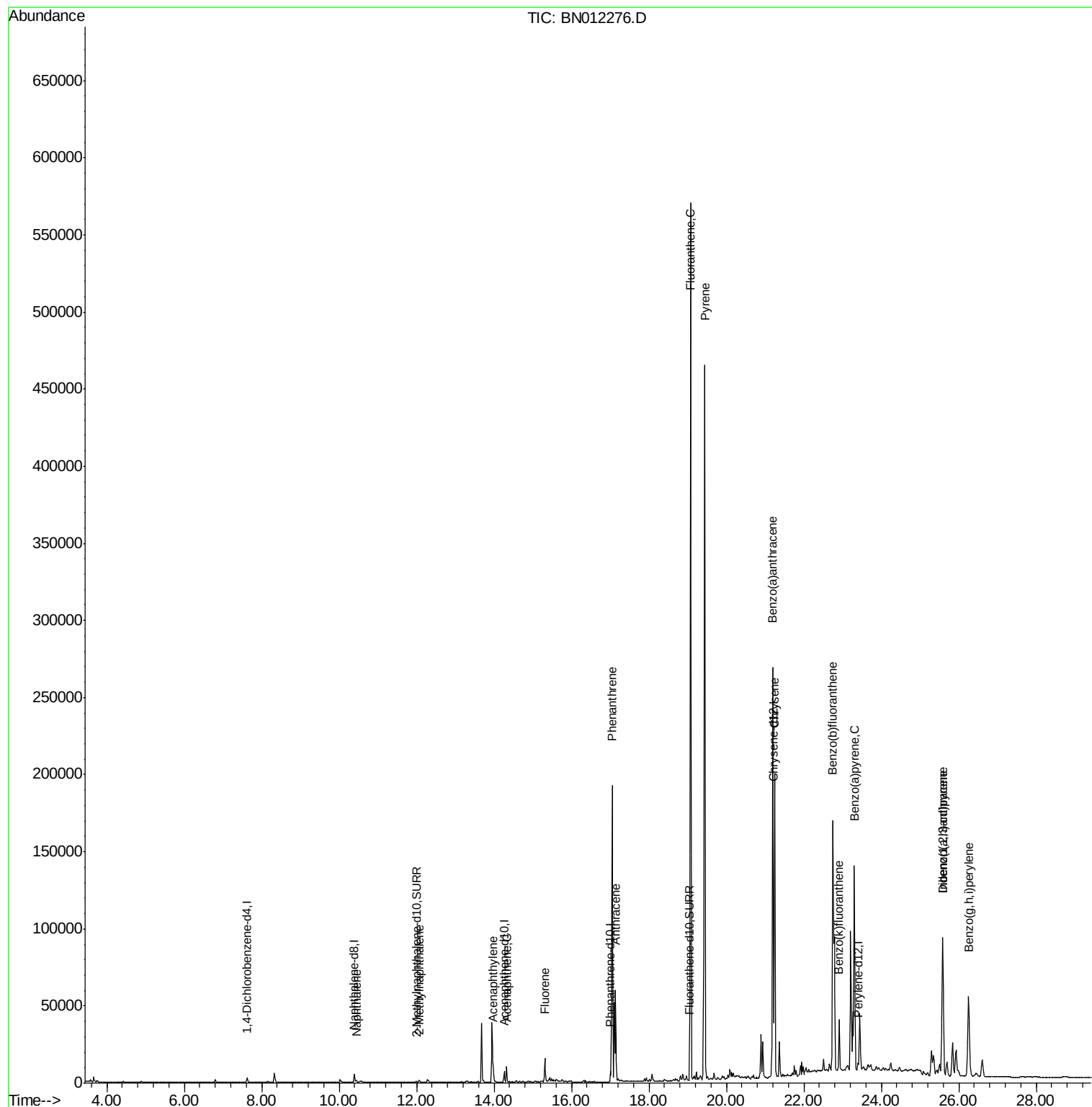
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1642	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6969	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3893	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	7722	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	5711	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	6686	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	337	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	635	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	1317	0.065	ng/ul#	89
5) 2-Methylnaphthalene	12.07	142	1093	0.086	ng/ul	94
7) Acenaphthylene	13.98	152	9499	0.563	ng/ul	99
8) Acenaphthene	14.32	153	5872	0.411	ng/ul	99
9) Fluorene	15.31	166	9796	0.616	ng/ul	98
12) Phenanthrene	17.05	178	197767	8.034	ng/ul	97
13) Anthracene	17.14	178	59867	2.835	ng/ul	97
15) Fluoranthene	19.07	202	466899	16.221	ng/ul	100
17) Pyrene	19.44	202	385075	14.955	ng/ul	99
18) Benzo(a)anthracene	21.20	228	218615	10.335	ng/ul	99
19) Chrysene	21.25	228	181306	7.035	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	342939	12.699	ng/ul	85
22) Benzo(k)fluoranthene	22.91	252	39257	1.313	ng/ul	96
23) Benzo(a)pyrene	23.31	252	174734	6.651	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.59	276	133394	3.952	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.59	278	36109	1.337	ng/ul	95
26) Benzo(a,h,i)perylene	26.25	276	103955	3.360	ng/ul	98

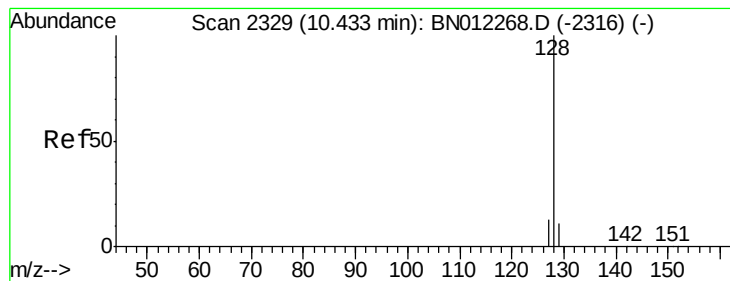
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.065 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL

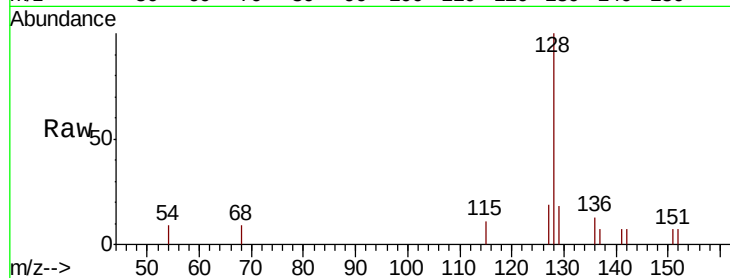
Tot Ion:128 Resp: 1317

Ion Ratio Lower Upper

128 100

129 17.6 10.3 15.5#

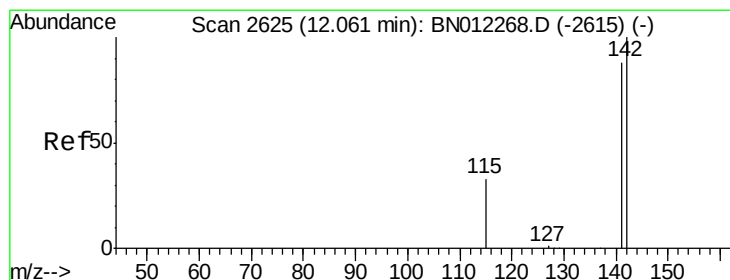
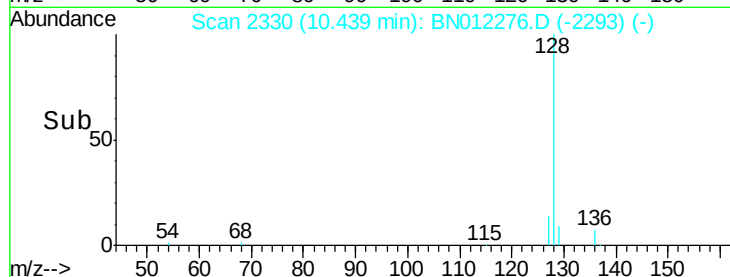
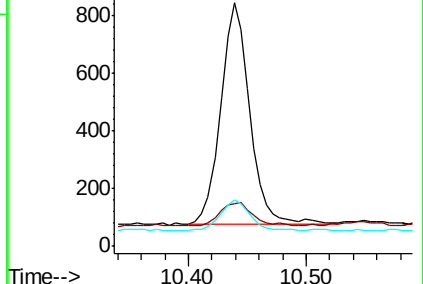
127 19.0 11.9 17.9#



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: 0.086 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BN012276.D

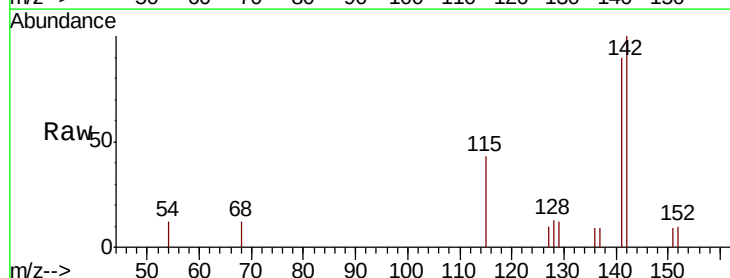
Acq: 16 Oct 2020 20:40

Tgt Ion:142 Resp: 1093

Ion Ratio Lower Upper

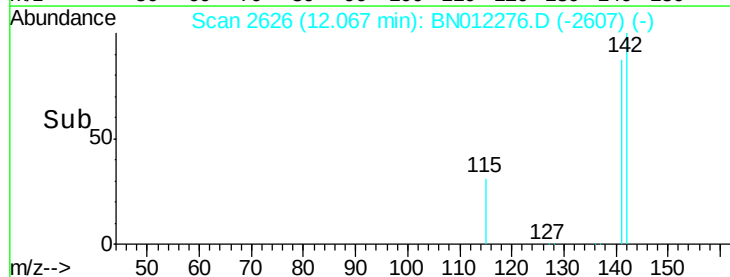
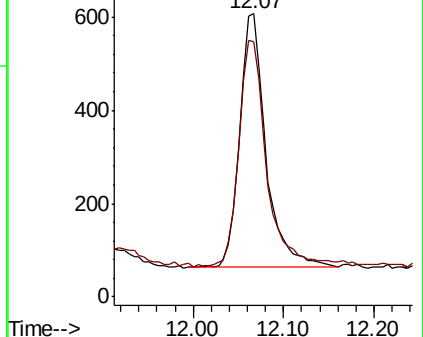
142 100

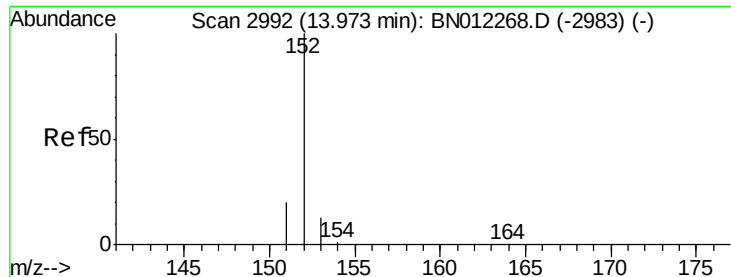
141 95.2 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.563 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL

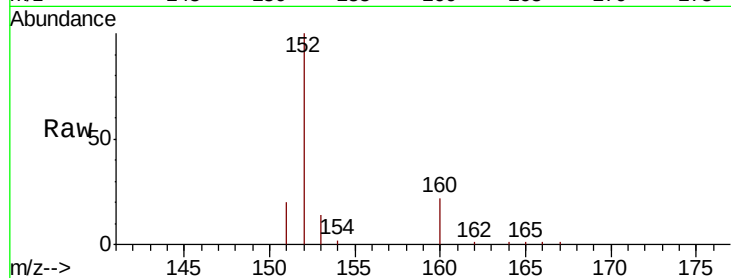
Tot Ion:152 Resp: 9499

Ion Ratio Lower Upper

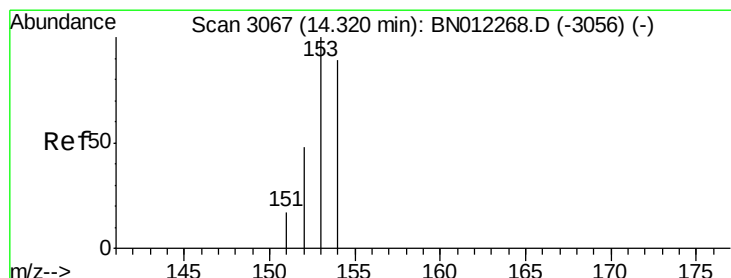
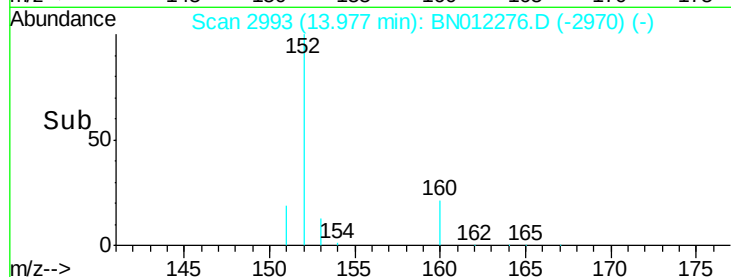
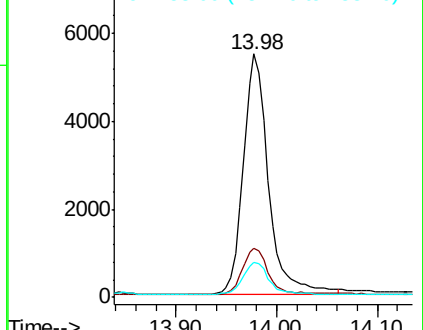
152 100

151 20.3 16.7 25.1

153 14.2 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: 0.411 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

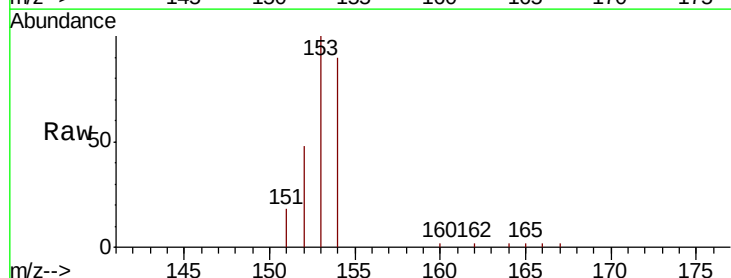
Tgt Ion:153 Resp: 5872

Ion Ratio Lower Upper

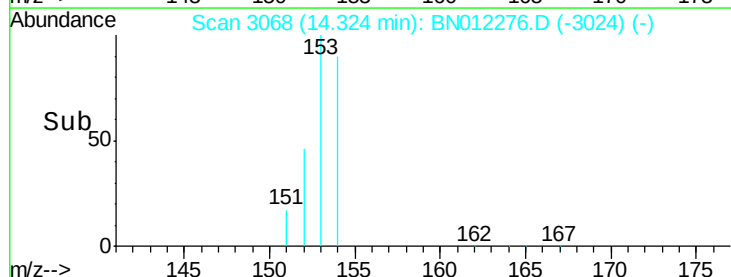
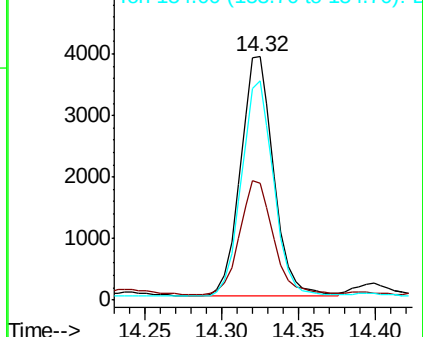
153 100

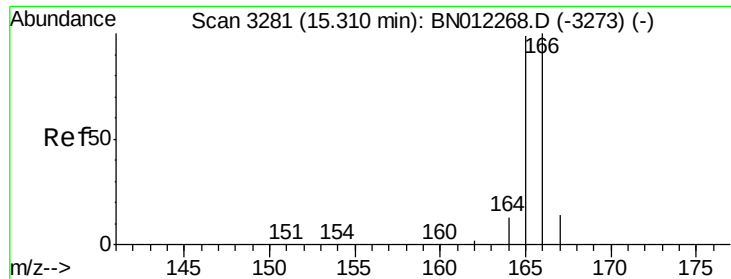
152 48.2 38.2 57.2

154 89.9 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: 0.616 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL

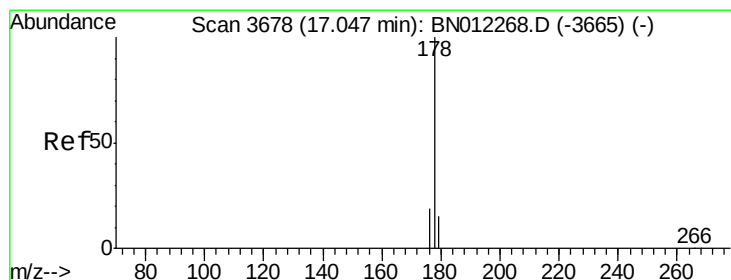
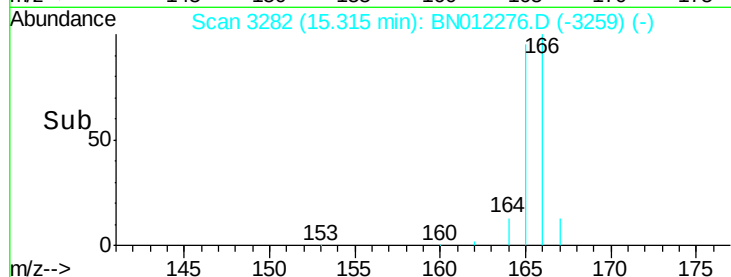
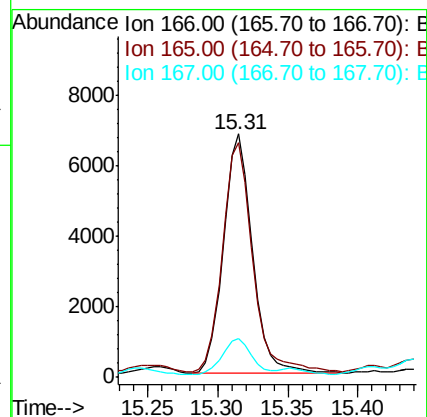
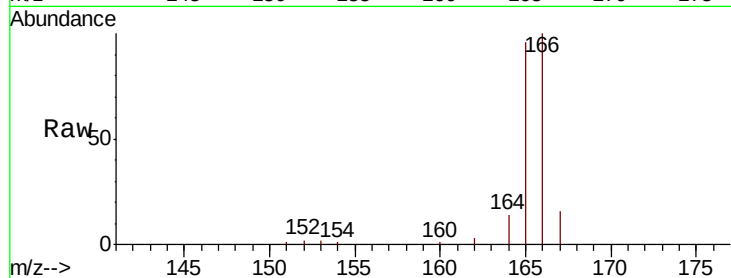
Tot Ion:166 Resp: 9796

Ion Ratio Lower Upper

166 100

165 96.1 78.6 118.0

167 15.9 11.9 17.9



#12

Phenanthrene

Concen: 8.034 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

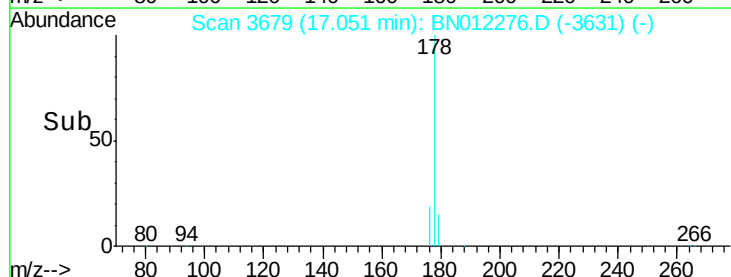
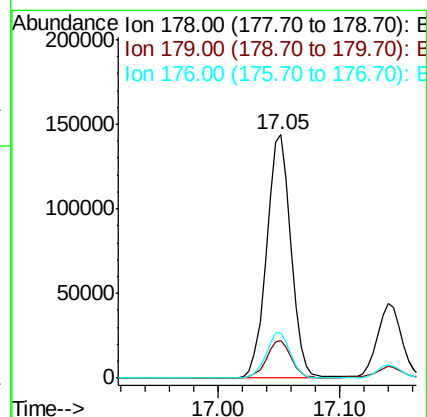
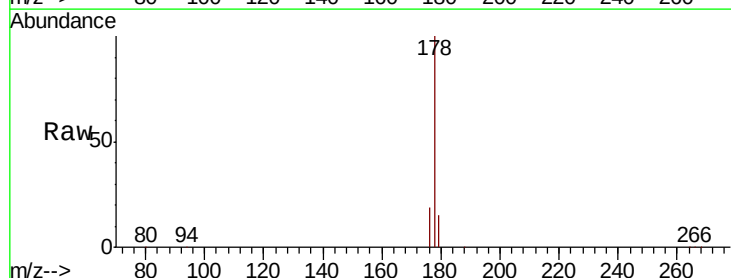
Tgt Ion:178 Resp: 197767

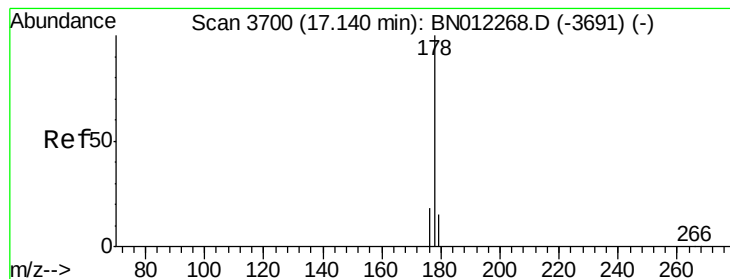
Ion Ratio Lower Upper

178 100

179 15.3 13.4 20.2

176 18.6 15.7 23.5





#13

Anthracene

Concen: 2.835 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL

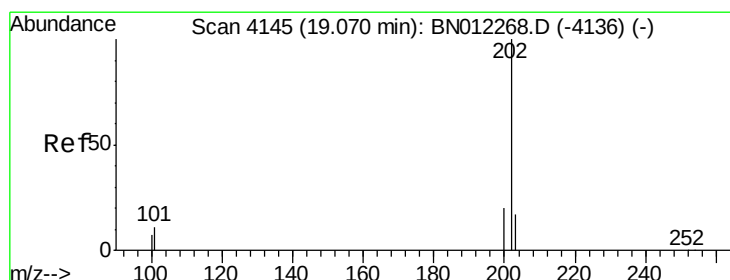
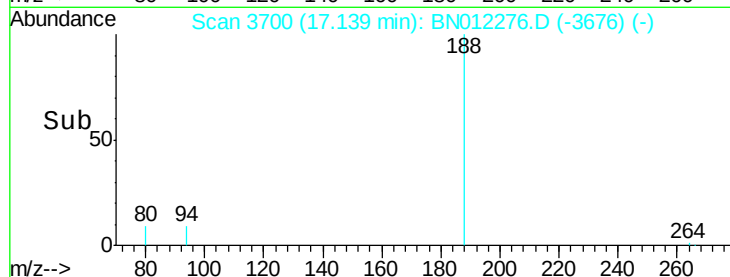
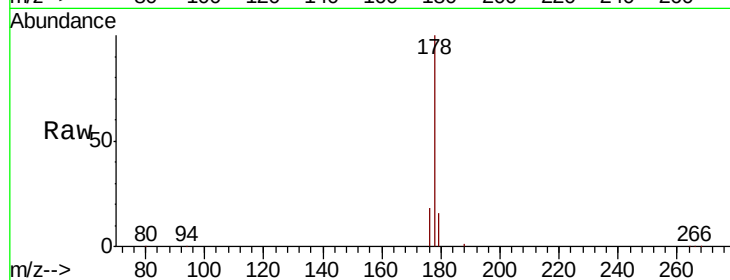
Tot Ion:178 Resp: 59867

Ion Ratio Lower Upper

178 100

179 15.7 13.9 20.9

176 18.1 15.4 23.0



#15

Fluoranthene

Concen: 16.221 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

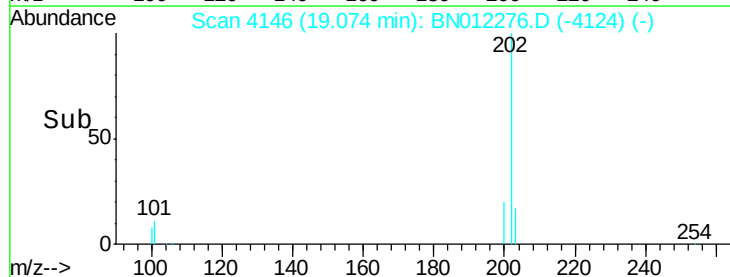
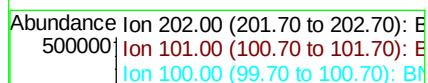
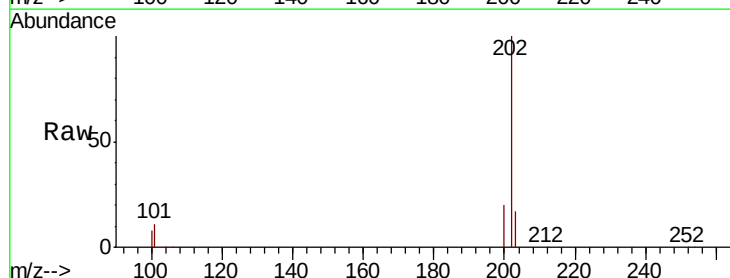
Tgt Ion:202 Resp: 466899

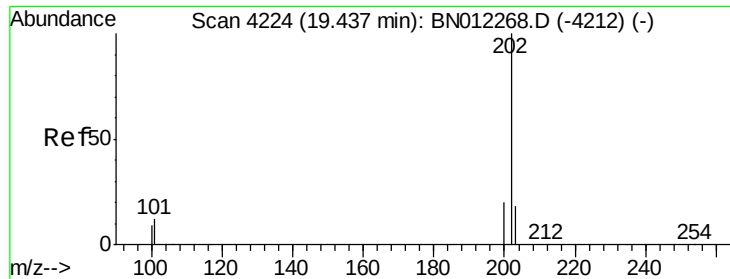
Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

100 8.4 0.0 28.7





#17

Pvrene

Concen: 14.955 ng/ul

RT: 19.44 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL

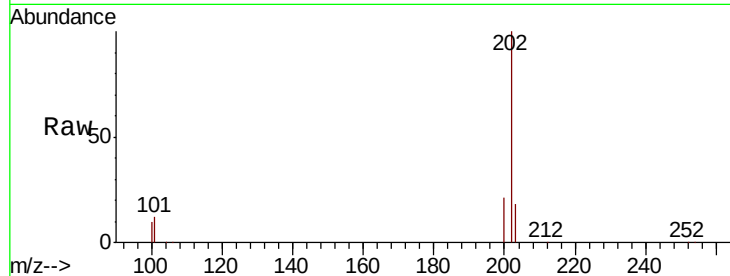
Tot Ion:202 Resp: 385075

Ion Ratio Lower Upper

202 100

101 12.0 9.9 14.9

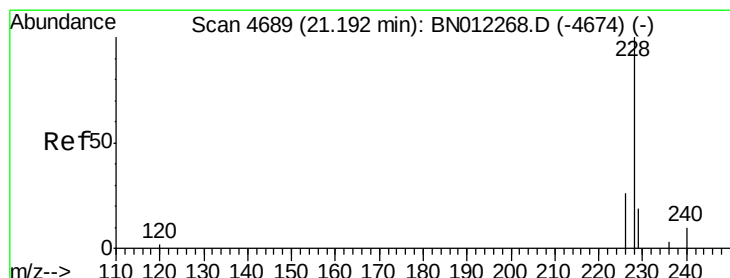
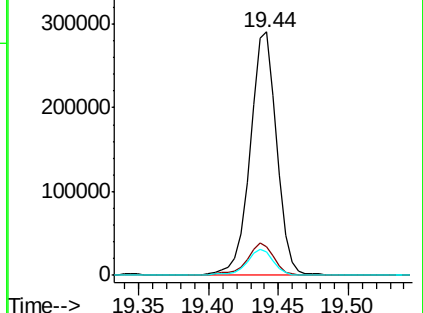
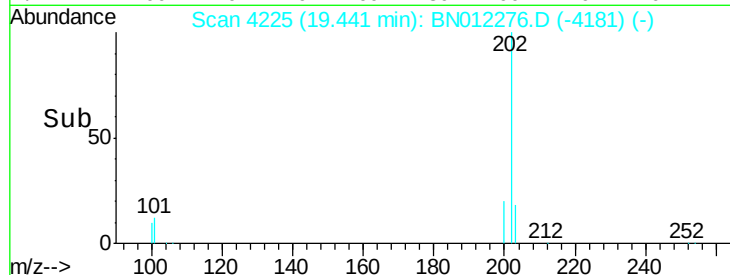
100 9.6 8.0 12.0



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: 10.335 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. 0.00 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

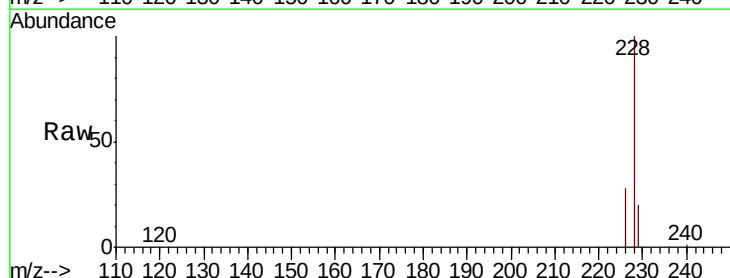
Tgt Ion:228 Resp: 218615

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.8

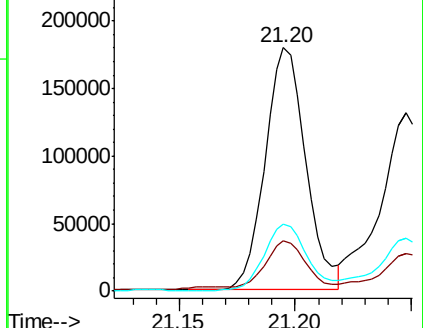
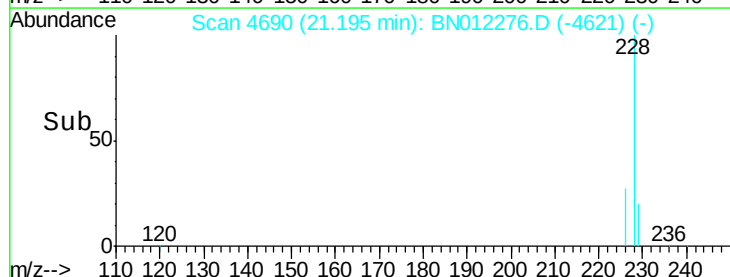
226 27.7 22.6 33.8

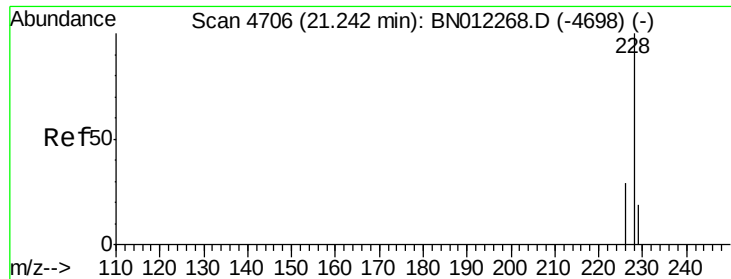


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 7.035 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. 0.01 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

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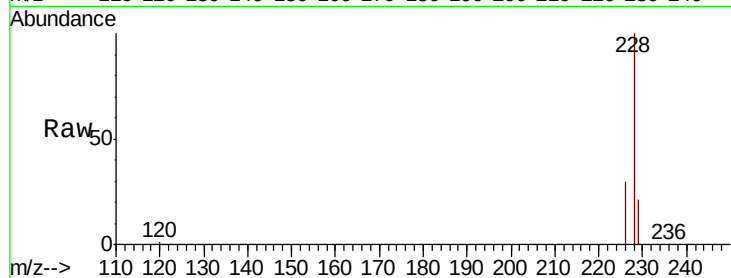
Tot Ion:228 Resp: 181306

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

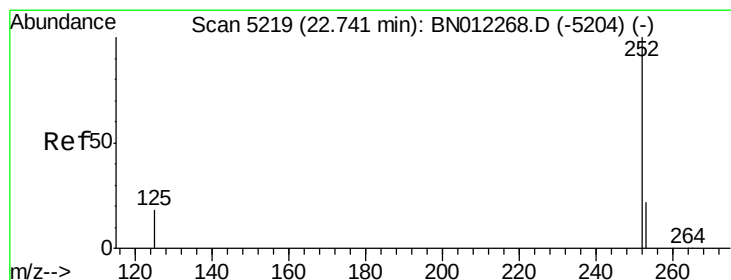
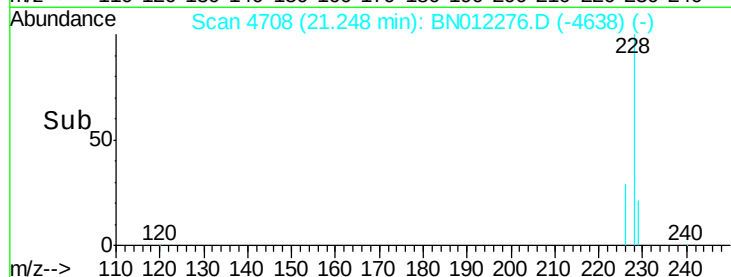
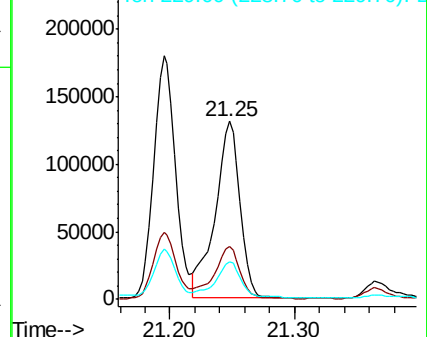
229 21.4 17.0 25.6



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: 12.699 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. 0.01 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

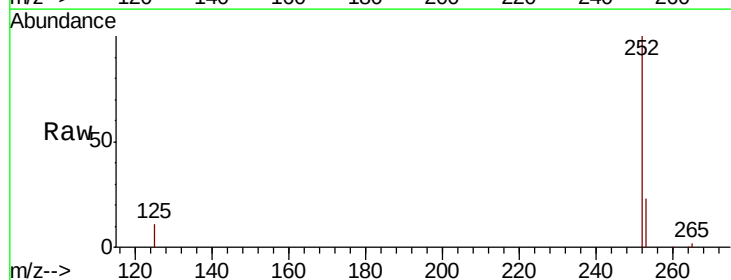
Tgt Ion:252 Resp: 342939

Ion Ratio Lower Upper

252 100

253 23.0 0.0 61.6

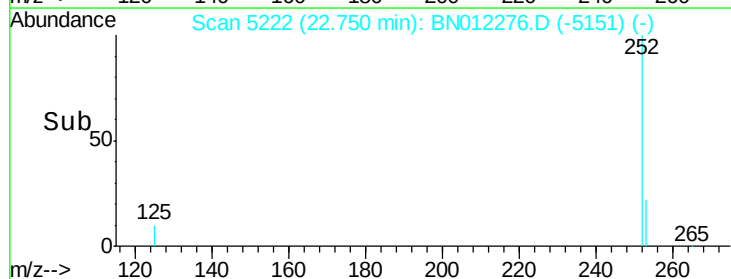
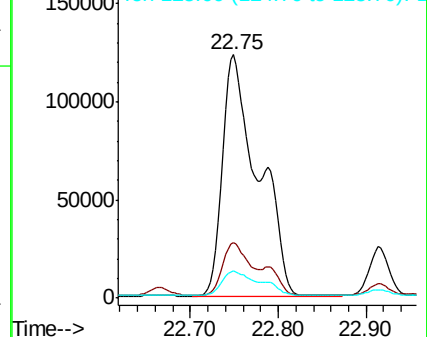
125 11.4 0.0 36.8

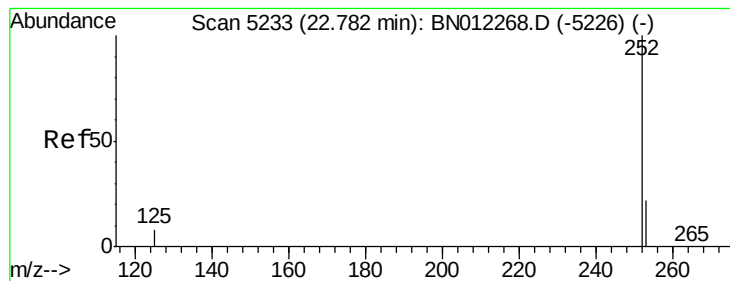


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.313 ng/ul

RT: 22.91 min Scan# 5278

Delta R.T. 0.13 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL

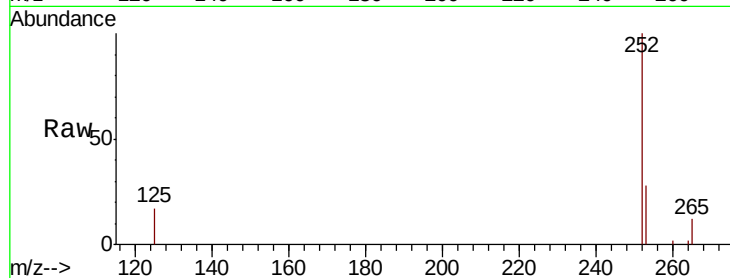
Tot Ion:252 Resp: 39257

Ion Ratio Lower Upper

252 100

253 28.0 24.4 36.6

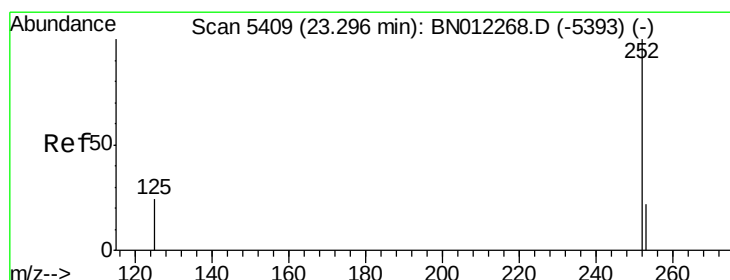
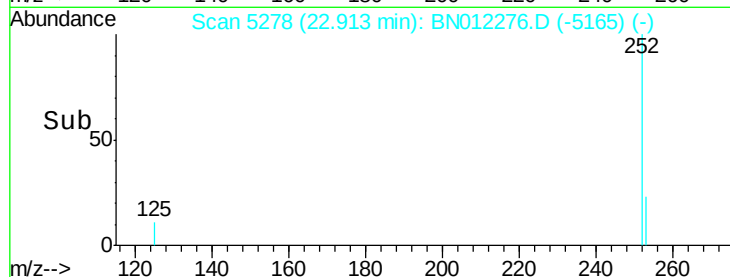
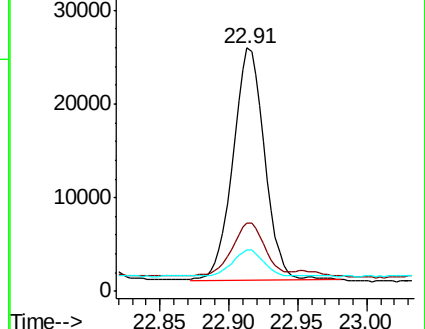
125 16.8 12.9 19.3



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: 6.651 ng/ul

RT: 23.31 min Scan# 5412

Delta R.T. 0.01 min

Lab File: BN012276.D

Acq: 16 Oct 2020 20:40

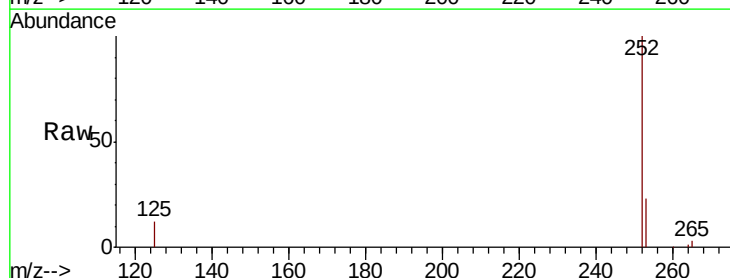
Tgt Ion:252 Resp: 174734

Ion Ratio Lower Upper

252 100

253 23.3 27.0 40.4#

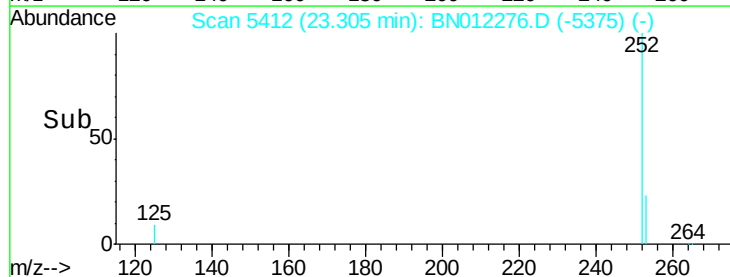
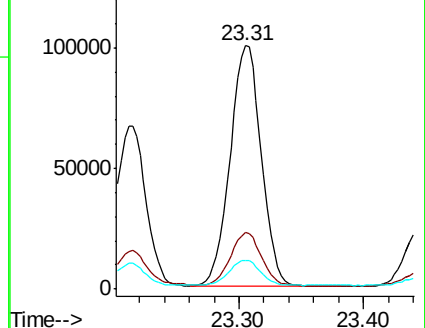
125 11.9 18.8 28.2#

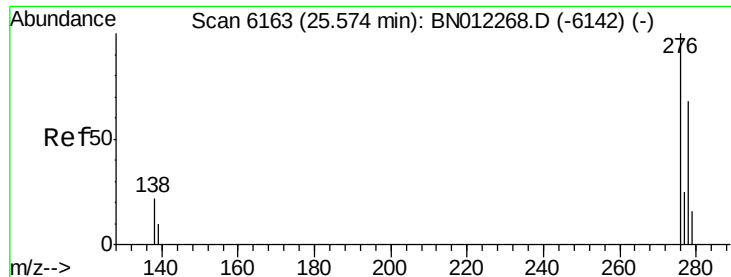


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



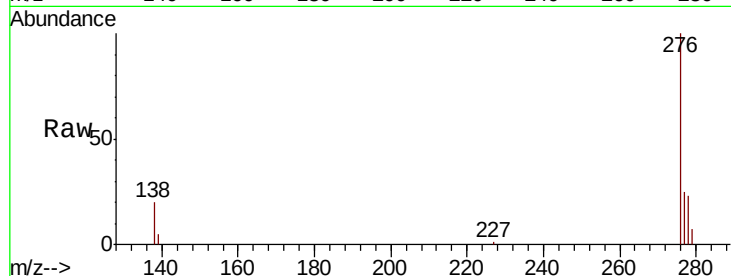


#24

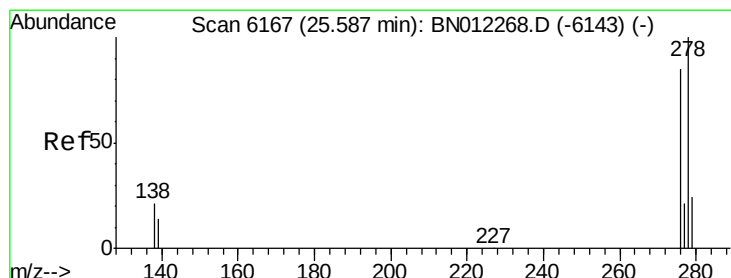
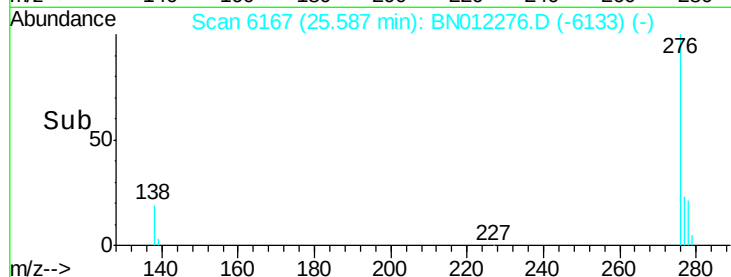
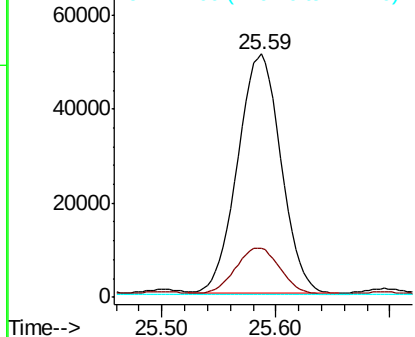
Indeno(1,2,3-cd)pyrene
Concen: 3.952 ng/ul
RT: 25.59 min Scan# 6167
Delta R.T. 0.01 min
Lab File: BN012276.D
Acq: 16 Oct 2020 20:40

Instrument :
BNA_N
ClientSampleId :
C0AK8DL

Tot Ion:276 Resp: 133394
Ion Ratio Lower Upper
276 100
138 20.3 0.0 0.0#
227 0.1 0.0 0.0#



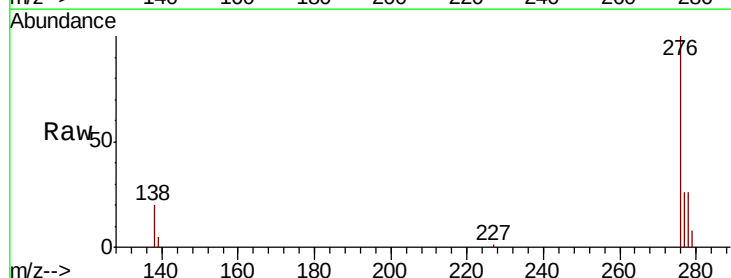
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



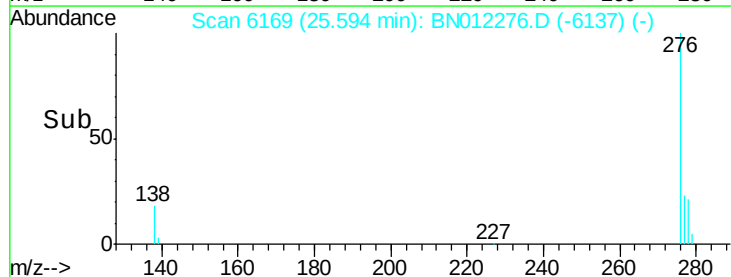
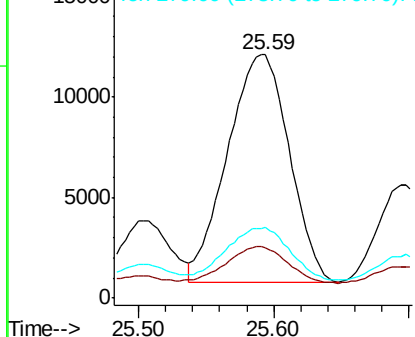
#25

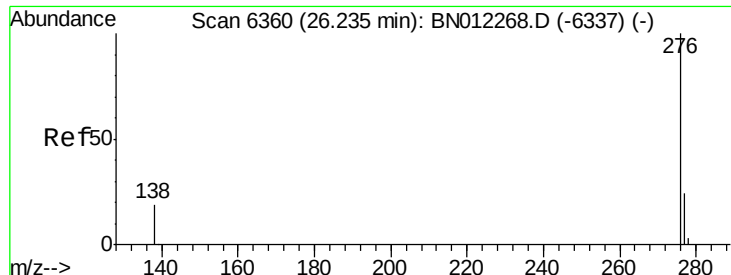
Dibenzo(a,h)anthracene
Concen: 1.337 ng/ul
RT: 25.59 min Scan# 6169
Delta R.T. 0.01 min
Lab File: BN012276.D
Acq: 16 Oct 2020 20:40

Tgt Ion:278 Resp: 36109
Ion Ratio Lower Upper
278 100
139 20.5 15.7 23.5
279 29.1 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(a,h,i)perylene

Concen: 3.360 ng/ul

RT: 26.25 min Scan# 6365

Delta R.T. 0.02 min

Lab File: BN012276.D

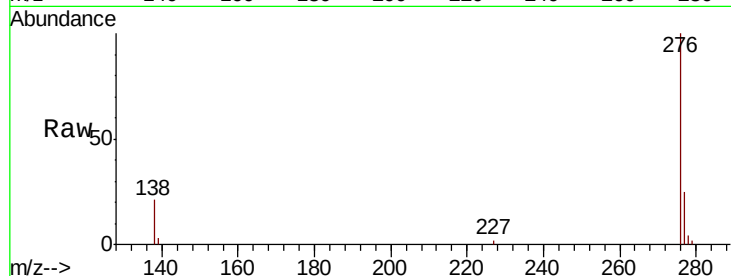
Acq: 16 Oct 2020 20:40

Instrument :

BNA_N

ClientSampleId :

C0AK8DL



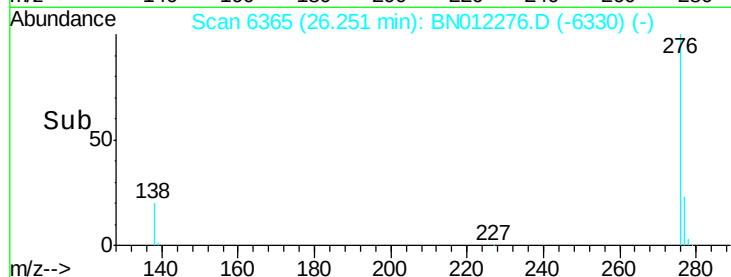
Tot Ion: 276 Resp: 103955

Ion Ratio Lower Upper

276 100

138 20.7 17.1 25.7

277 24.8 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

