

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112420\
 Data File : BN012722.D
 Acq On : 24 Nov 2020 18:39
 Operator : CG/JU
 Sample : L4751-22
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AY2

Quant Time: Nov 25 01:48:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 25 01:45:20 2020
 Response via : Initial Calibration

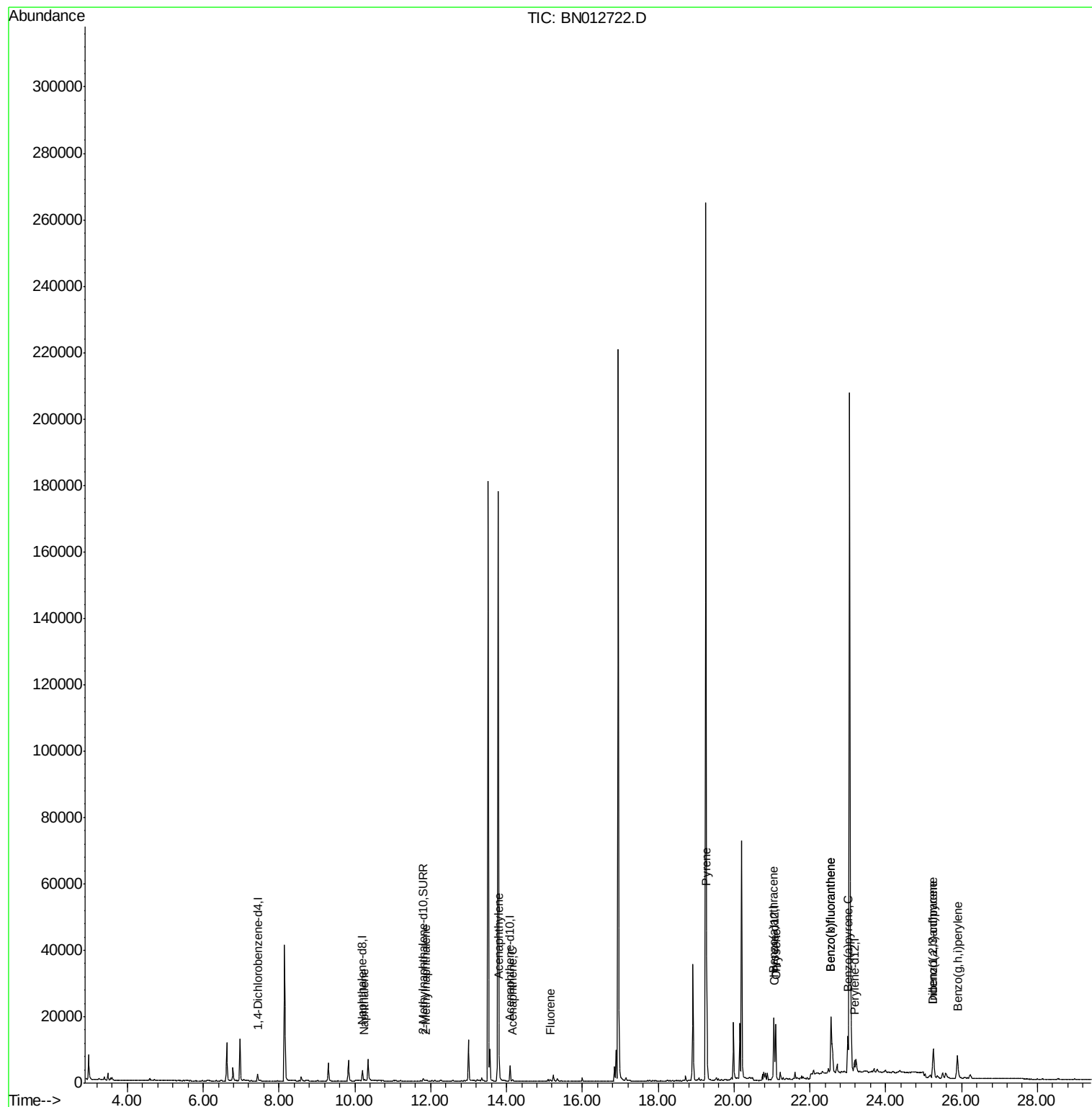
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	1065	0.40	ng/ul	0.00
2) Naphthalene-d8	10.20	136	4456	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.09	164	2509	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.85
16) Chrysene-d12	21.06	240	4167	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	4435	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.80	152	1163	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	2397	0.00	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.25	128	365	0.027	ng/ul#	66
5) 2-Methylnaphthalene	11.88	142	216	0.025	ng/ul	92
7) Acenaphthylene	13.81	152	1083	0.089	ng/ul#	90
8) Acenaphthene	14.16	153	303	0.029	ng/ul#	92
9) Fluorene	15.15	166	397	0.035	ng/ul#	95
17) Pyrene	19.28	202	28509	1.530	ng/ul	97
18) Benzo(a)anthracene	21.05	228	14862	0.995	ng/ul	99
19) Chrysene	21.10	228	16655	0.893	ng/ul	98
21) Benzo(b)fluoranthene	22.56	252	34618	1.697	ng/ul	95
22) Benzo(k)fluoranthene	22.56	252	34610	1.471	ng/ul#	93
23) Benzo(a)pyrene	23.00	252	8325	0.434	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.26	276	12982	0.517	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.26	278	3140	0.156	ng/ul#	72
26) Benzo(g,h,i)perylene	25.89	276	13363	0.591	ng/ul	97

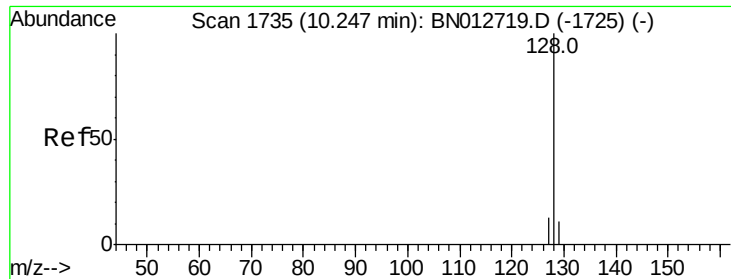
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.027 ng/ul

RT: 10.25 min Scan# 1736

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

Instrument :

BNA_N

ClientSampleId :

C0AY2

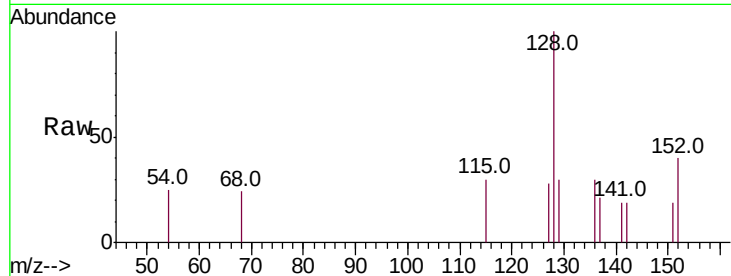
Tot Ion:128 Resp: 365

Ion Ratio Lower Upper

128 100

129 30.0 11.2 16.8#

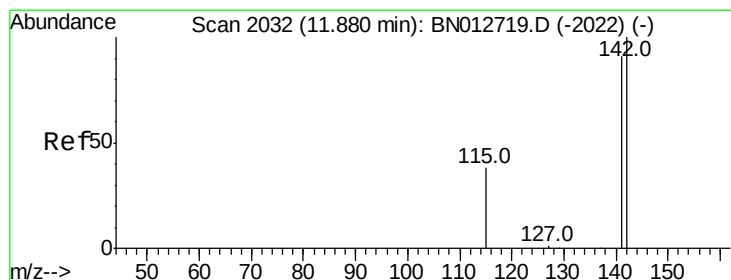
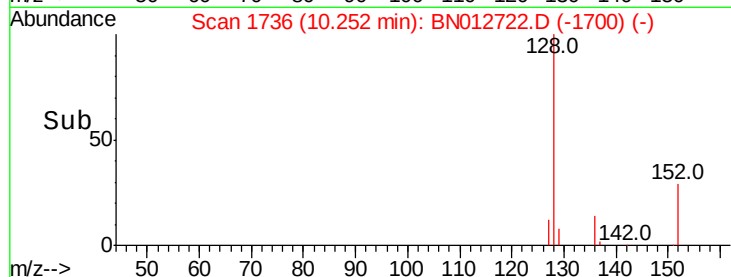
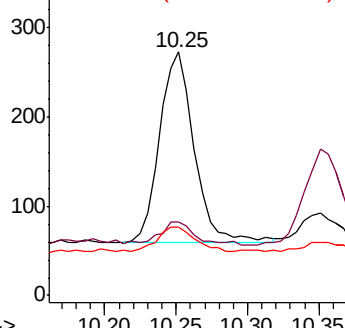
127 27.8 12.5 18.7#



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: 0.025 ng/ul

RT: 11.88 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BN012722.D

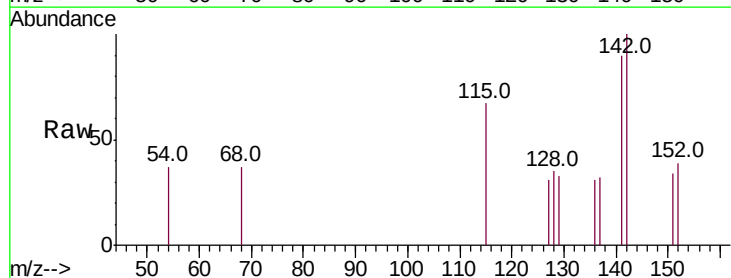
Acq: 24 Nov 2020 18:39

Tgt Ion:142 Resp: 216

Ion Ratio Lower Upper

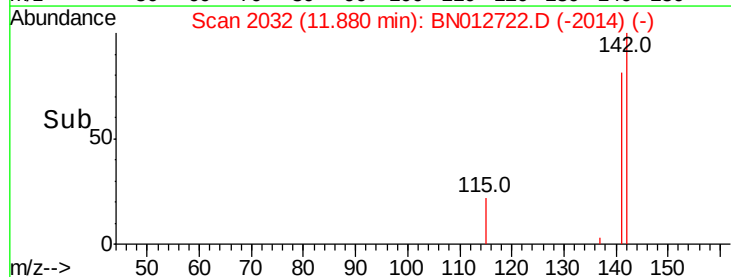
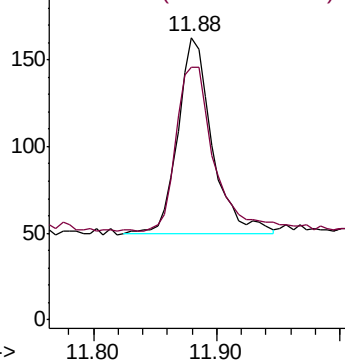
142 100

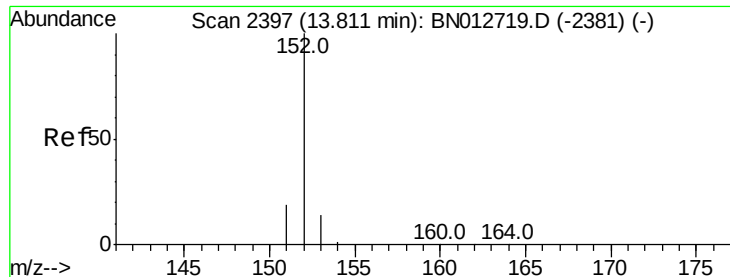
141 97.7 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.089 ng/ul

RT: 13.81 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

Instrument :

BNA_N

ClientSampleId :

C0AY2

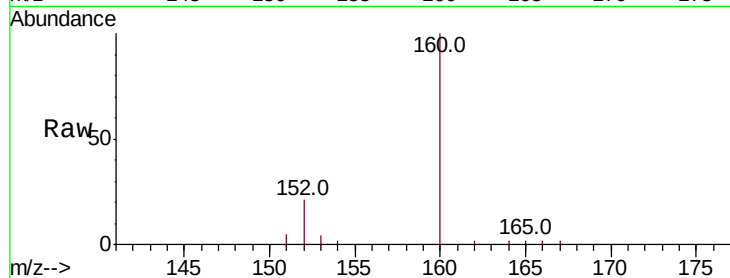
Tot Ion:152 Resp: 1083

Ion Ratio Lower Upper

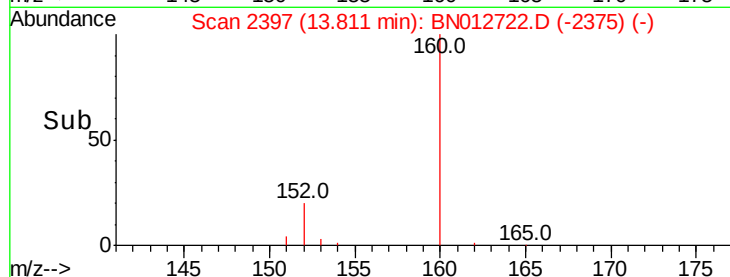
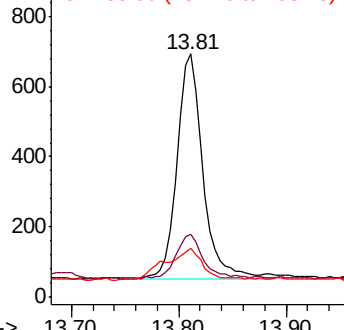
152 100

151 25.8 17.1 25.7#

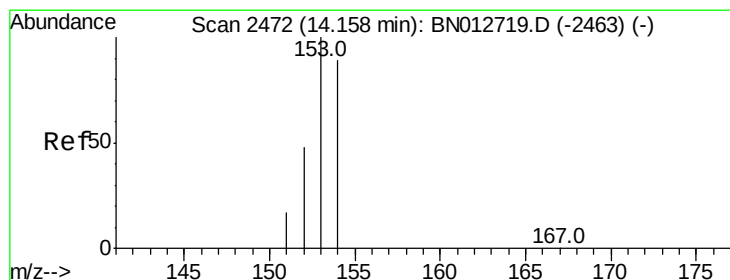
153 20.1 12.6 19.0#



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



Time-->



#8

Acenaphthene

Concen: 0.029 ng/ul

RT: 14.16 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

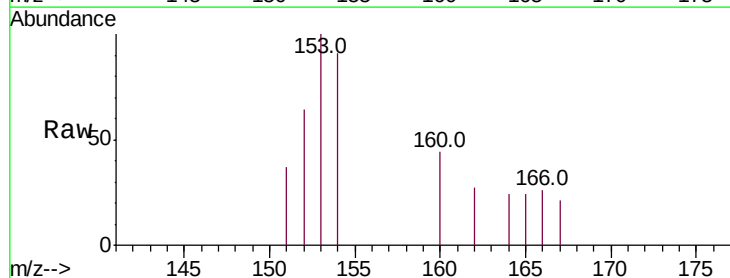
Tgt Ion:153 Resp: 303

Ion Ratio Lower Upper

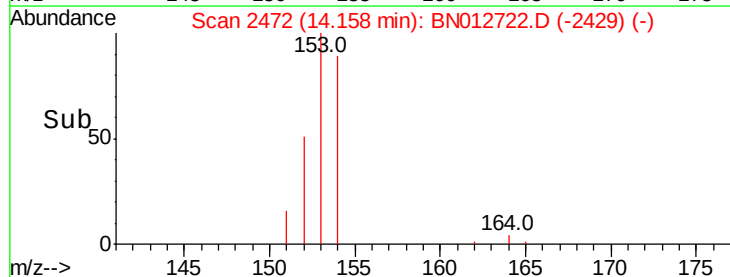
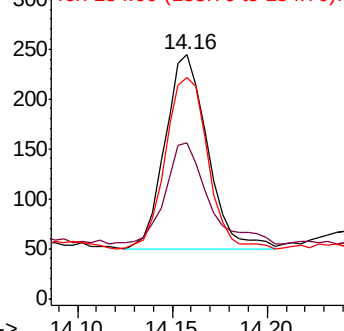
153 100

152 63.9 41.4 62.0#

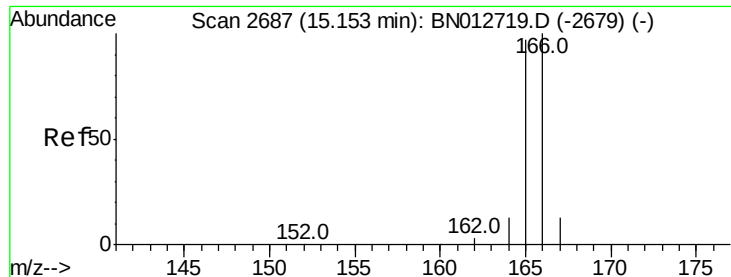
154 90.6 70.9 106.3



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



Time-->



#9

Fluorene

Concen: 0.035 ng/ul

RT: 15.15 min Scan# 2687

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

Instrument :

BNA_N

ClientSampleId :

C0AY2

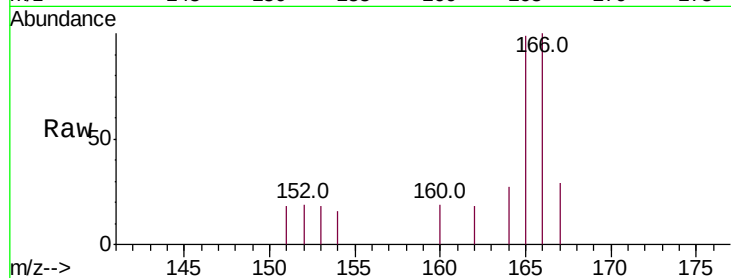
Tot Ion:166 Resp: 397

Ion Ratio Lower Upper

166 100

165 99.1 78.5 117.7

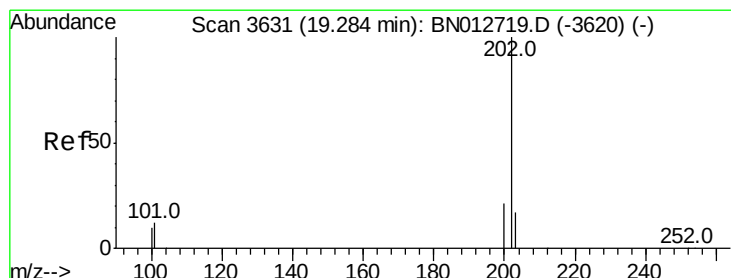
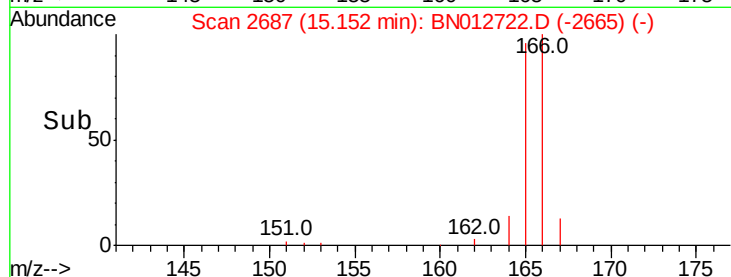
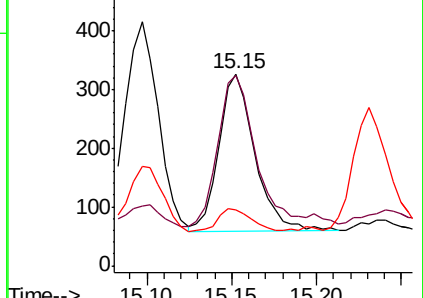
167 29.1 12.7 19.1#



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



#17

Pyrene

Concen: 1.530 ng/ul

RT: 19.28 min Scan# 3631

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

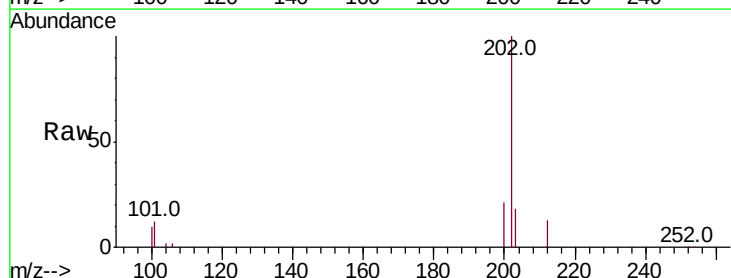
Tgt Ion:202 Resp: 28509

Ion Ratio Lower Upper

202 100

101 12.4 8.9 13.3

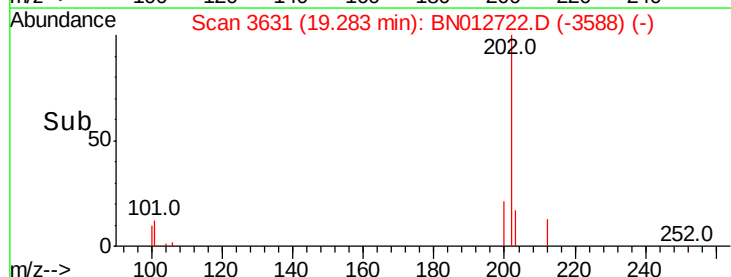
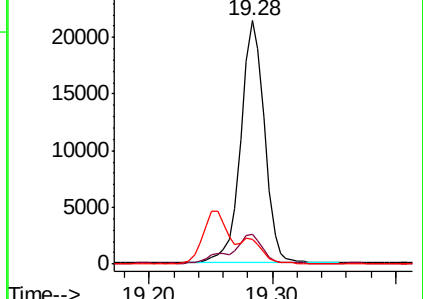
100 10.3 7.4 11.2

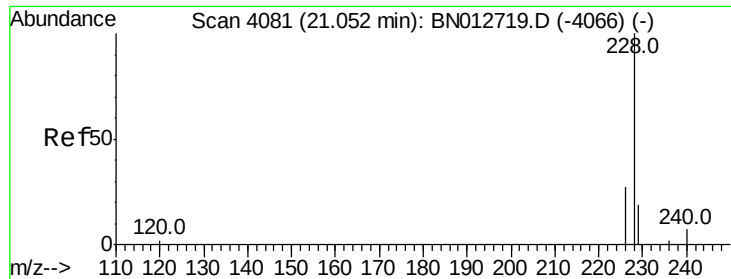


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 0.995 ng/ul

RT: 21.05 min Scan# 4080

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

Instrument :

BNA_N

ClientSampleId :

C0AY2

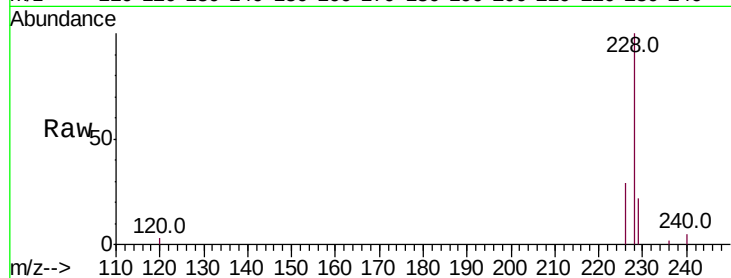
Tot Ion:228 Resp: 14862

Ion Ratio Lower Upper

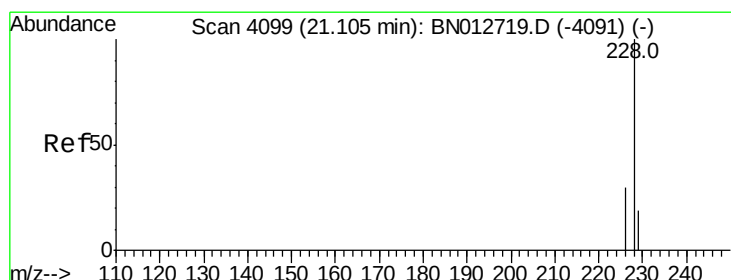
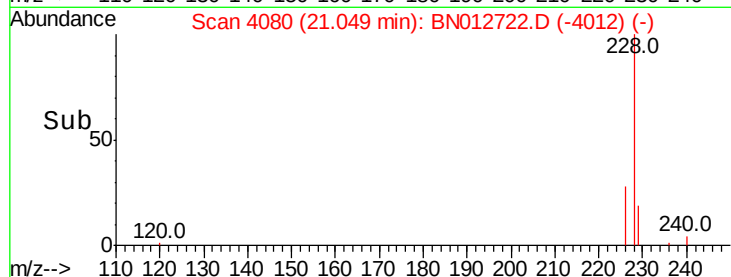
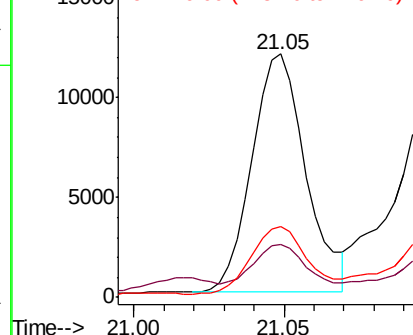
228 100

229 21.7 16.9 25.3

226 28.9 23.1 34.7



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: 0.893 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

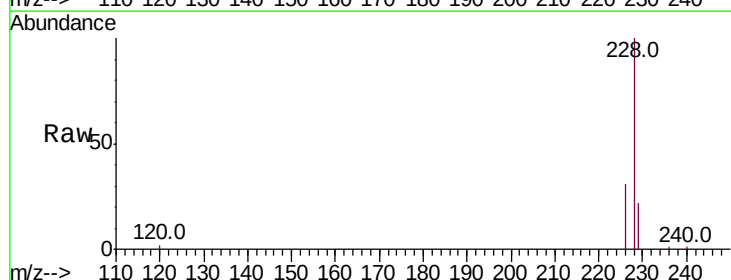
Tgt Ion:228 Resp: 16655

Ion Ratio Lower Upper

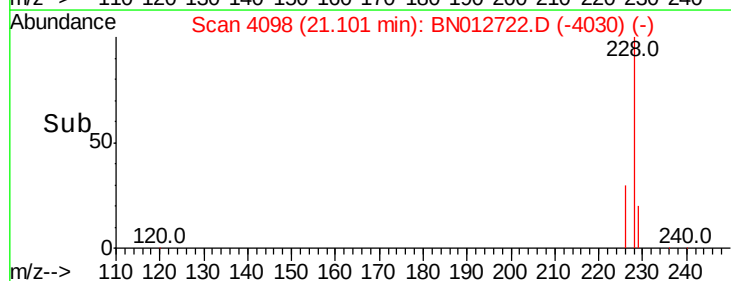
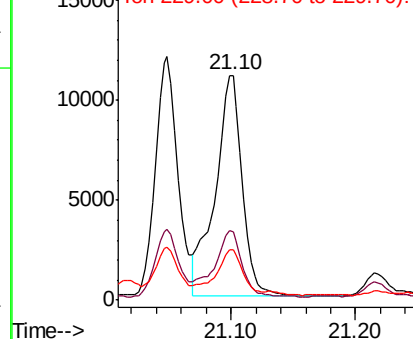
228 100

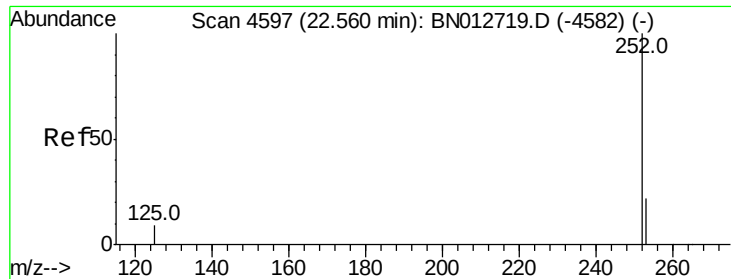
226 30.6 24.4 36.6

229 22.5 16.1 24.1



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: 1.697 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

Instrument :

BNA_N

ClientSampleId :

C0AY2

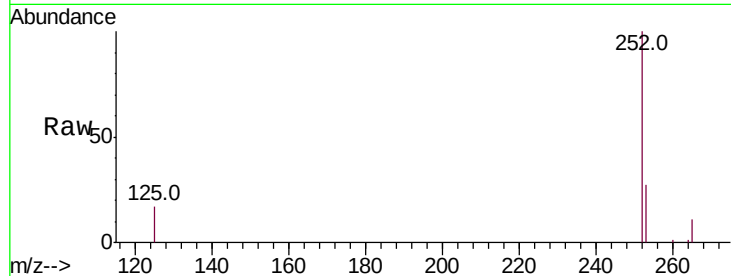
Tot Ion:252 Resp: 34618

Ion Ratio Lower Upper

252 100

253 26.6 0.0 58.4

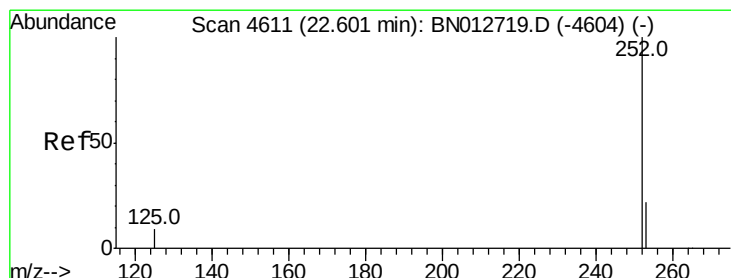
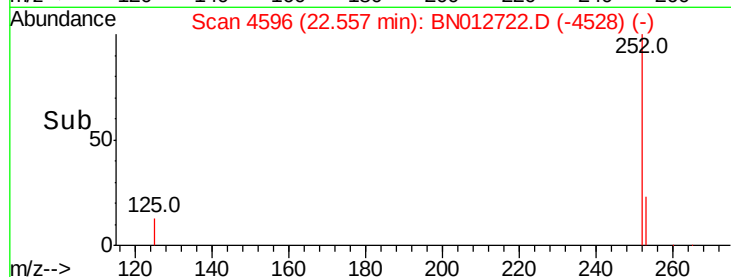
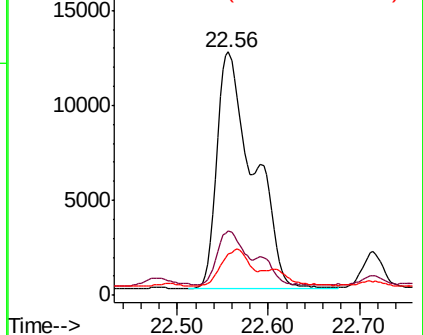
125 16.8 0.0 28.6



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: 1.471 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.04 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

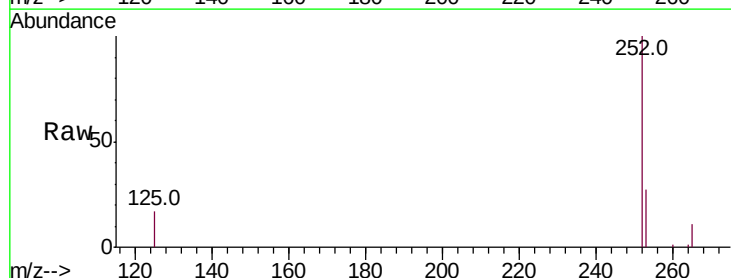
Tgt Ion:252 Resp: 34610

Ion Ratio Lower Upper

252 100

253 26.6 23.4 35.2

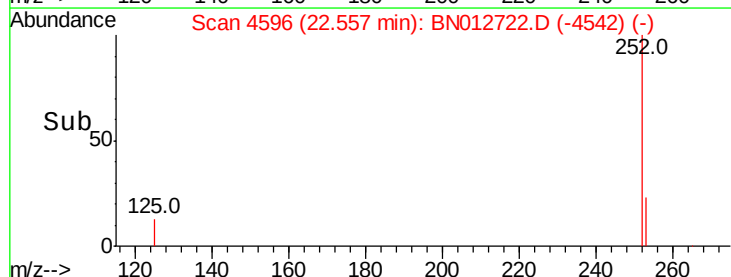
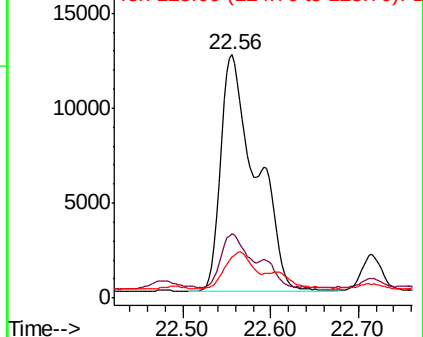
125 16.8 10.2 15.2#

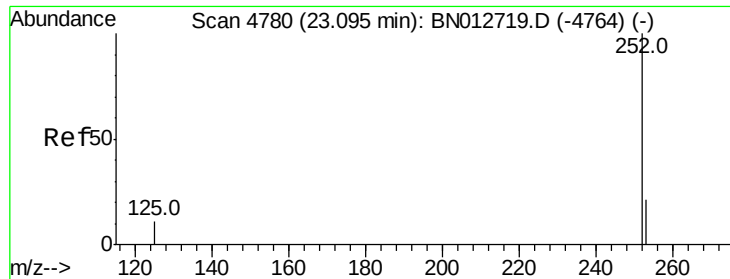


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.434 ng/ul

RT: 23.00 min Scan# 4748

Delta R.T. -0.09 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

Instrument :

BNA_N

ClientSampleId :

C0AY2

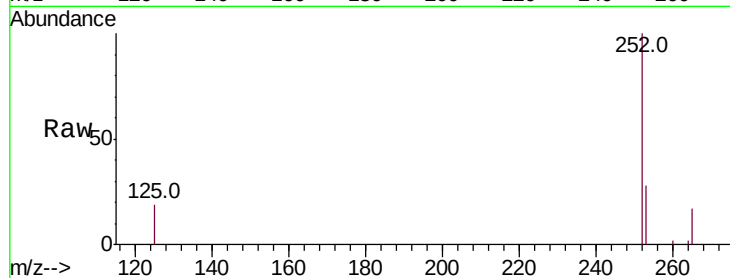
Tot Ion:252 Resp: 8325

Ion Ratio Lower Upper

252 100

253 28.0 27.6 41.4

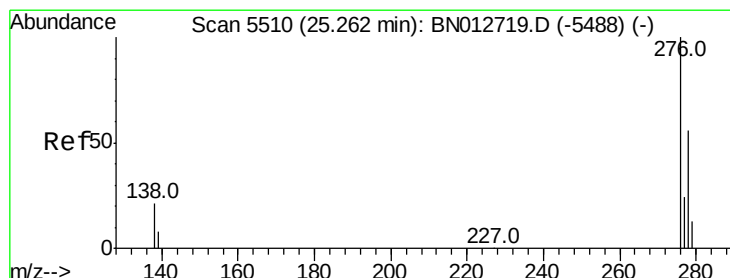
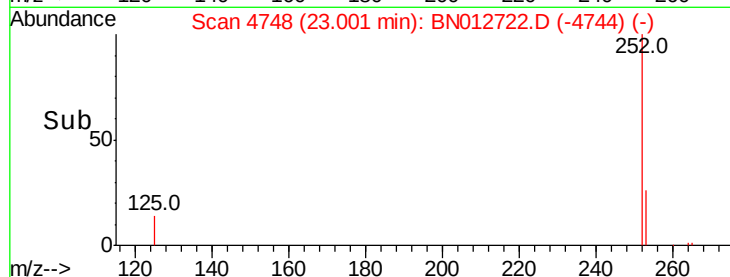
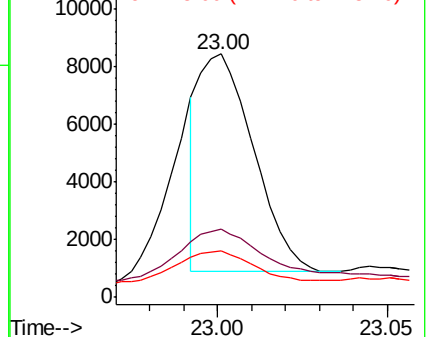
125 19.1 17.0 25.4



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: 0.517 ng/ul

RT: 25.26 min Scan# 5508

Delta R.T. -0.00 min

Lab File: BN012722.D

Acq: 24 Nov 2020 18:39

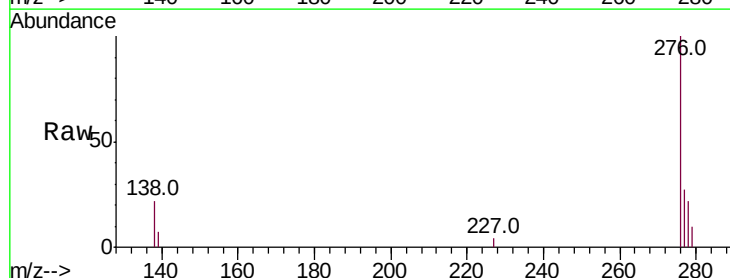
Tgt Ion:276 Resp: 12982

Ion Ratio Lower Upper

276 100

138 20.2 16.5 24.7

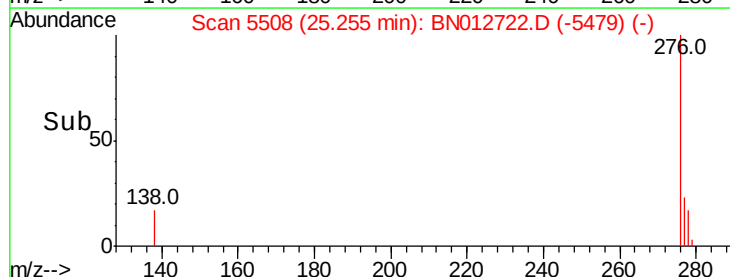
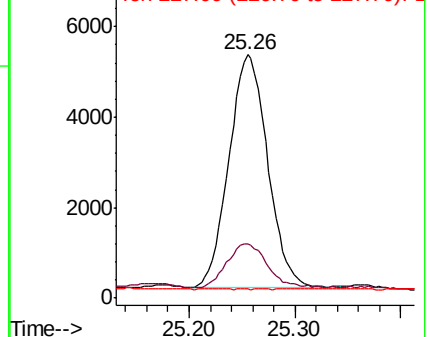
227 0.1 0.1 0.1#

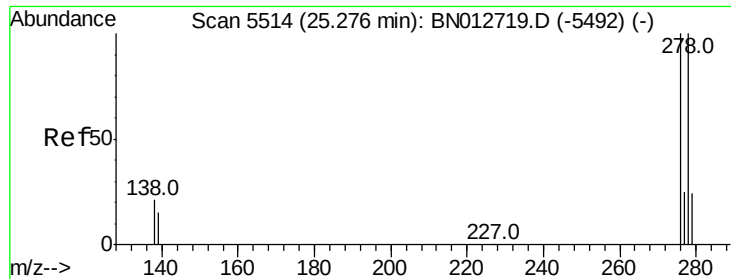


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

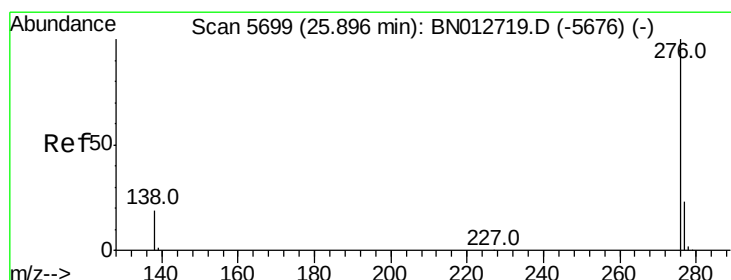
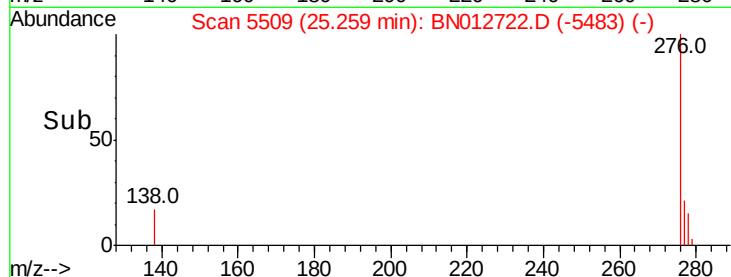
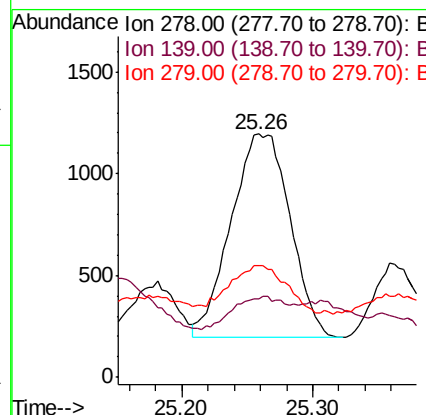
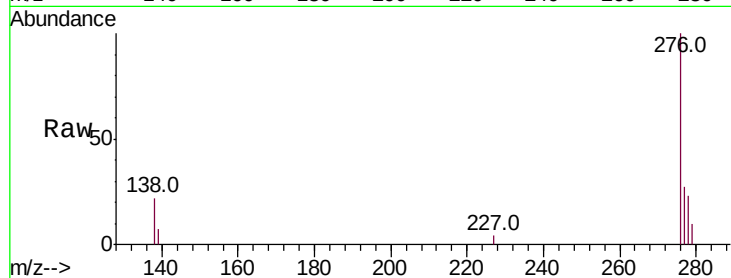




#25
Dibenzo(a,h)anthracene
Concen: 0.156 ng/ul
RT: 25.26 min Scan# 5509
Delta R.T. -0.01 min
Lab File: BN012722.D
Acq: 24 Nov 2020 18:39

Instrument :
BNA_N
ClientSampleId :
C0AY2

Tot Ion:278 Resp: 3140
Ion Ratio Lower Upper
278 100
139 32.3 13.8 20.8#
279 46.0 25.6 38.4#



#26
Benzo(g,h,i)perylene
Concen: 0.591 ng/ul
RT: 25.89 min Scan# 5698
Delta R.T. 0.00 min
Lab File: BN012722.D
Acq: 24 Nov 2020 18:39

Tgt Ion:276 Resp: 13363
Ion Ratio Lower Upper
276 100
138 23.5 16.3 24.5
277 26.8 21.8 32.8

