

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013025.D
 Acq On : 09 Dec 2020 23:09
 Operator : CG/JU
 Sample : L4941-12
 Misc :
 ALS Vial : 95 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 10 01:00:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 10 00:40:41 2020
 Response via : Initial Calibration

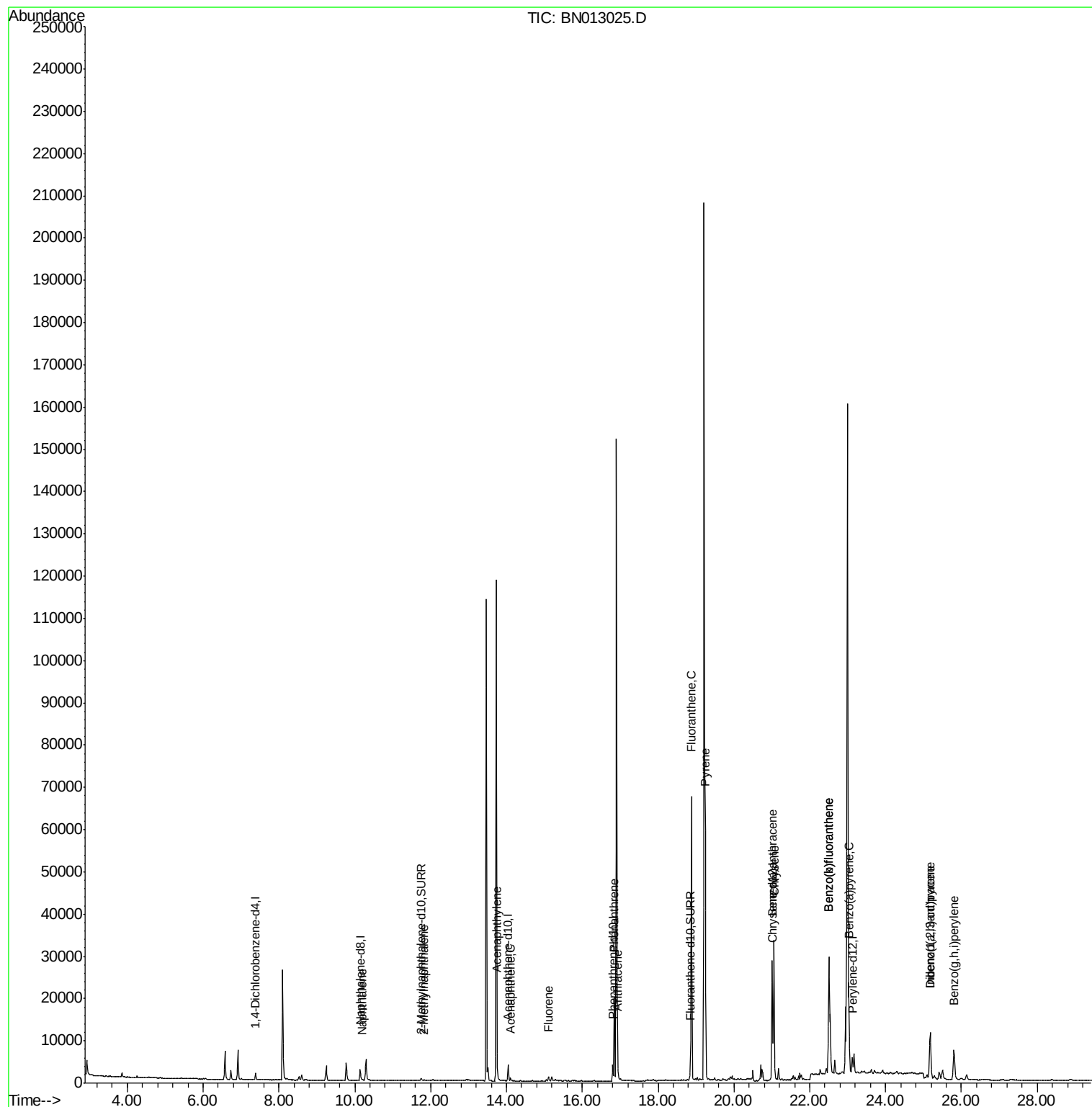
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	763	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.14	136	3378	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2028	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4497	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	4140	0.40	ng/ul	-0.01
20) Perylene-d12	23.12	264	4053	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	759	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	2053	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.19	128	317	0.032	ng/ul#	68
5) 2-Methylnaphthalene	11.82	142	180	0.028	ng/ul	97
7) Acenaphthylene	13.76	152	793	0.083	ng/ul#	89
8) Acenaphthene	14.11	153	478	0.061	ng/ul	94
9) Fluorene	15.11	166	619	0.069	ng/ul#	97
12) Phenanthrene	16.84	178	20512	1.360	ng/ul	97
13) Anthracene	16.94	178	1878	0.146	ng/ul	97
15) Fluoranthene	18.88	202	57299	3.198	ng/ul	97
17) Pyrene	19.24	202	47692	2.439	ng/ul	98
18) Benzo(a)anthracene	21.01	228	22171	1.294	ng/ul	99
19) Chrysene	21.06	228	32512	1.718	ng/ul	99
21) Benzo(b)fluoranthene	22.50	252	55417	2.956	ng/ul	91
22) Benzo(k)fluoranthene	22.50	252	55417	2.674	ng/ul	91
23) Benzo(a)pyrene	23.03	252	23997	1.379	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.17	276	16439	0.719	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.18	278	4378	0.242	ng/ul#	94
26) Benzo(a,h,i)perylene	25.81	276	13600	0.658	ng/ul	98

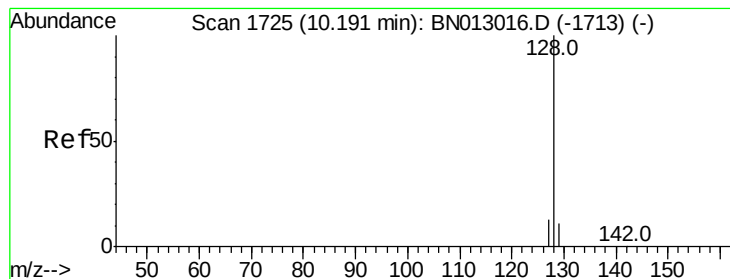
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.032 ng/ul

RT: 10.19 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampled :

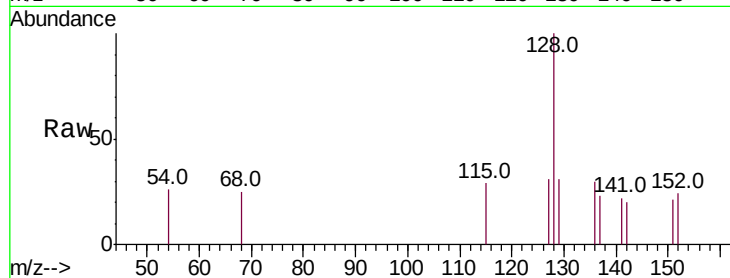
Tot Ion:128 Resp: 317

Ion Ratio Lower Upper

128 100

129 30.6 12.3 18.5#

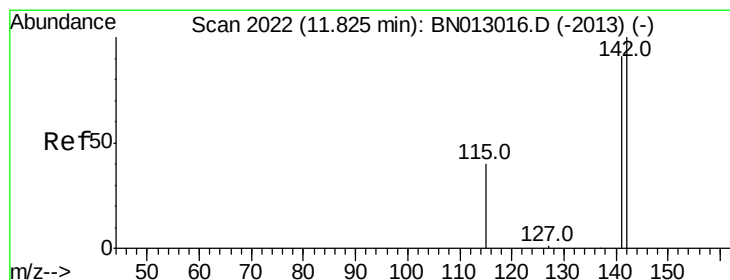
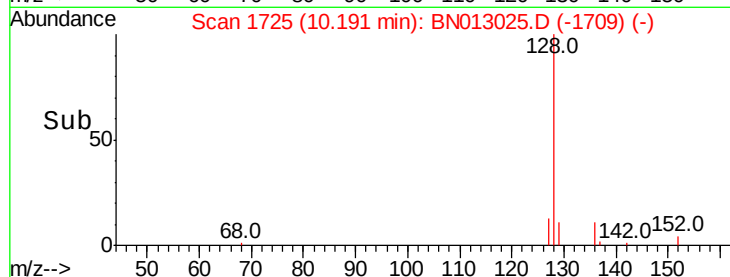
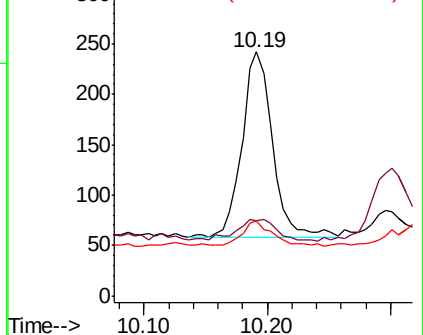
127 30.6 14.2 21.4#



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: 0.028 ng/ul

RT: 11.82 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BN013025.D

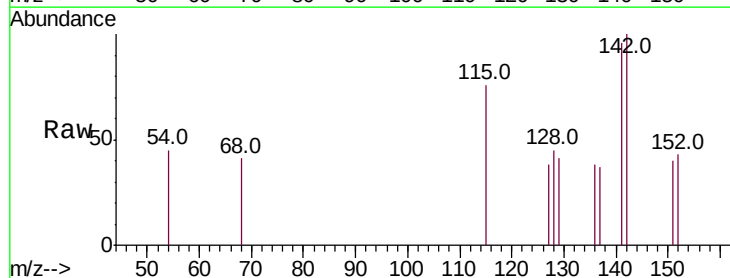
Acq: 09 Dec 2020 23:09

Tgt Ion:142 Resp: 180

Ion Ratio Lower Upper

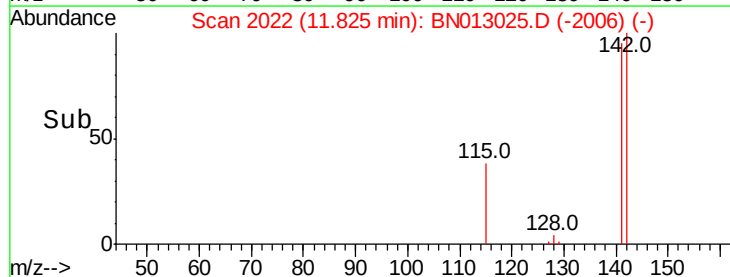
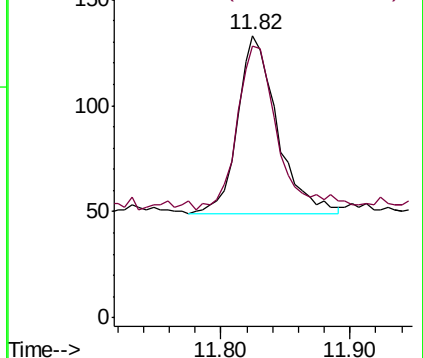
142 100

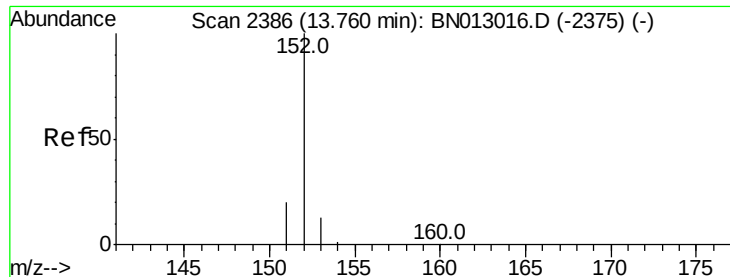
141 94.4 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.083 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampleId :

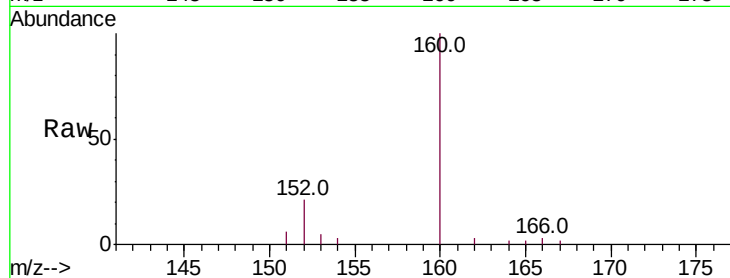
Tot Ion:152 Resp: 793

Ion Ratio Lower Upper

152 100

151 27.8 18.2 27.4#

153 21.9 13.1 19.7#



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

13.76

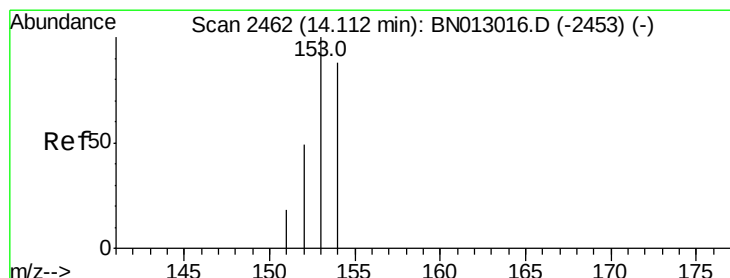
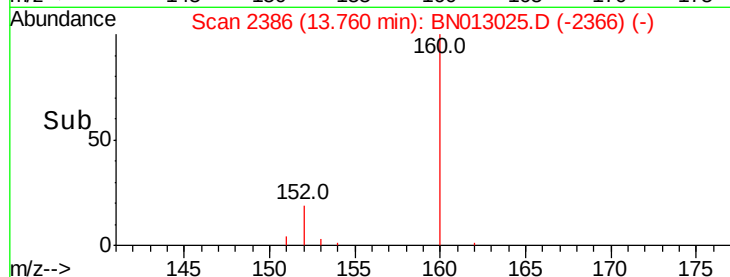
400

200

0

Time-->

13.70 13.80



#8

Acenaphthene

Concen: 0.061 ng/ul

RT: 14.11 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

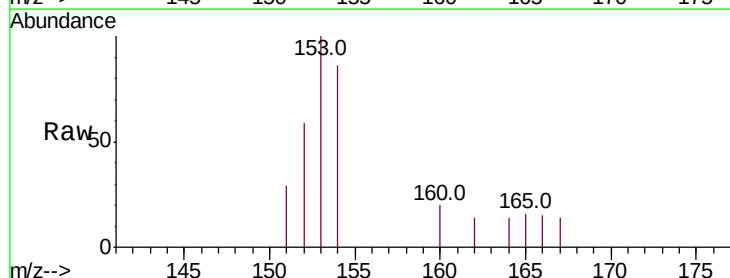
Tgt Ion:153 Resp: 478

Ion Ratio Lower Upper

153 100

152 59.1 40.7 61.1

154 85.8 70.8 106.2



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

14.11

500

400

300

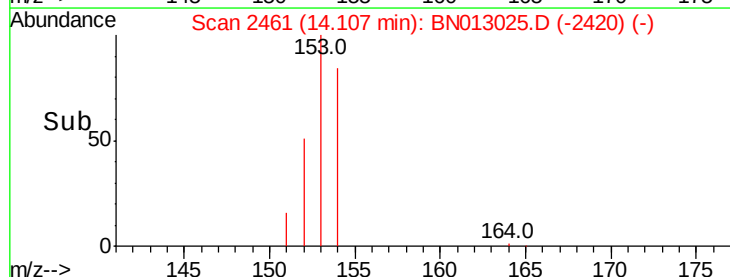
200

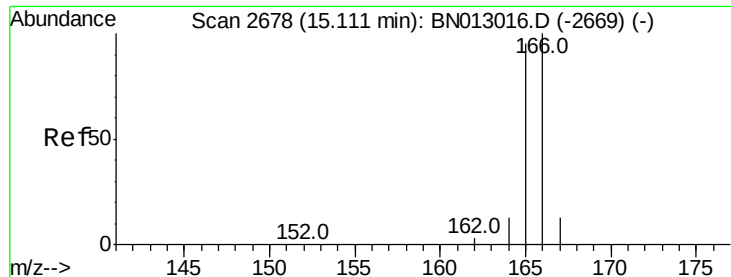
100

0

Time-->

14.05 14.10 14.15





#9

Fluorene

Concen: 0.069 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampleId :

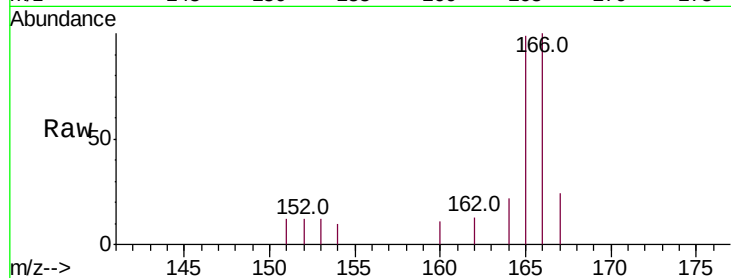
Tot Ion:166 Resp: 619

Ion Ratio Lower Upper

166 100

165 98.8 79.8 119.8

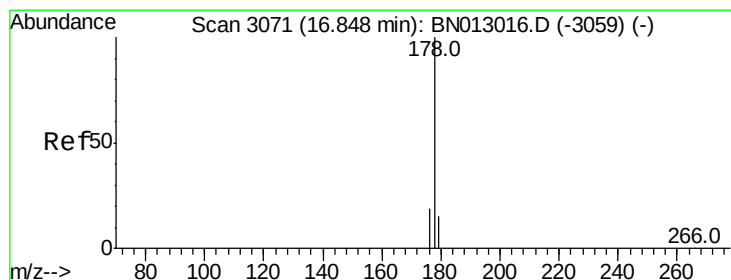
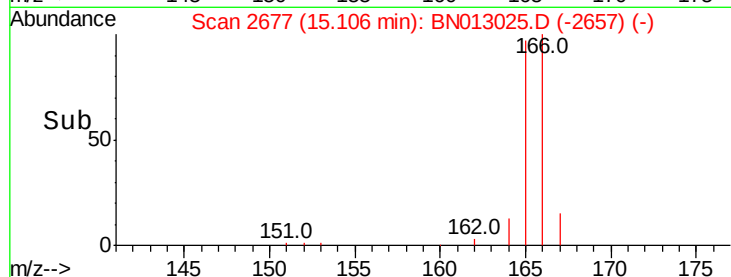
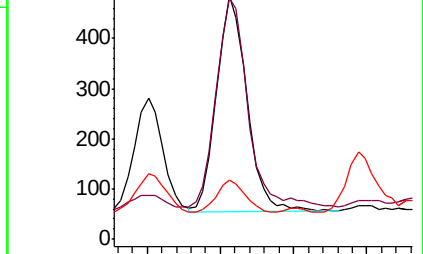
167 24.3 13.8 20.8#



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: 1.360 ng/ul

RT: 16.84 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

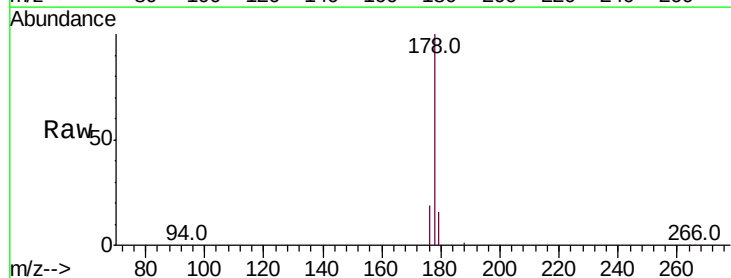
Tgt Ion:178 Resp: 20512

Ion Ratio Lower Upper

178 100

179 15.6 13.6 20.4

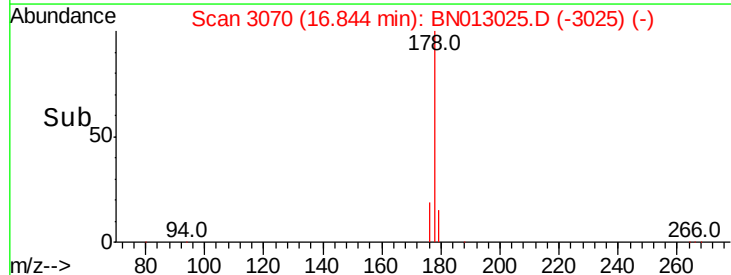
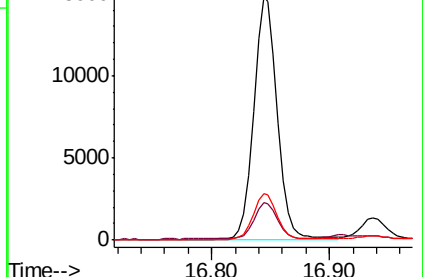
176 19.3 16.4 24.6

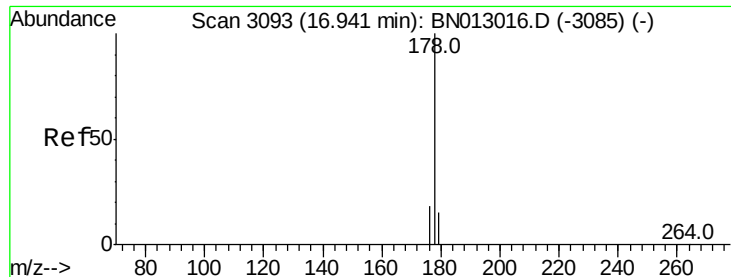


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.146 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampleId :

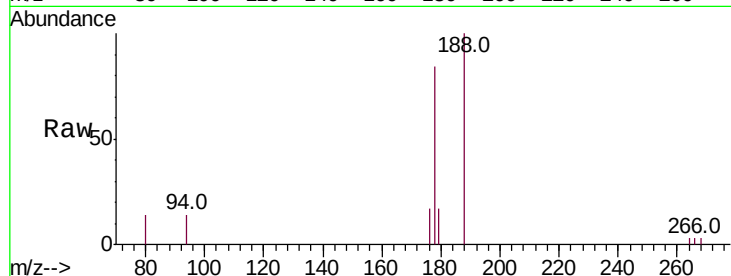
Tot Ion:178 Resp: 1878

Ion Ratio Lower Upper

178 100

179 20.2 14.6 21.8

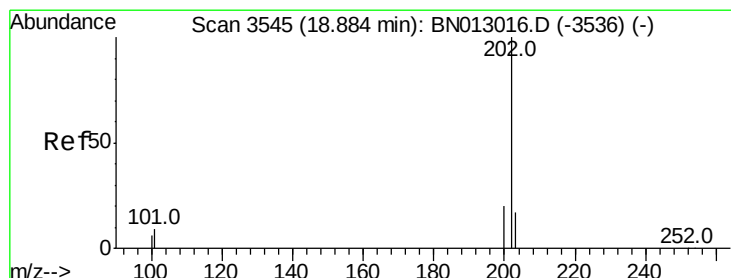
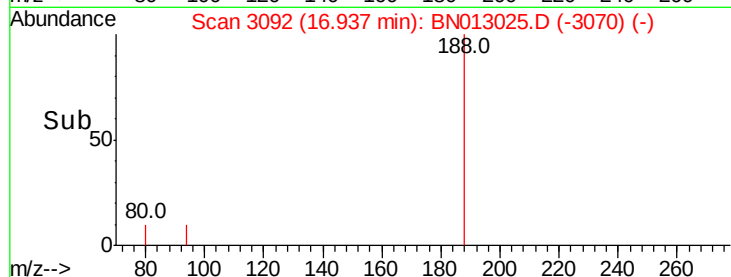
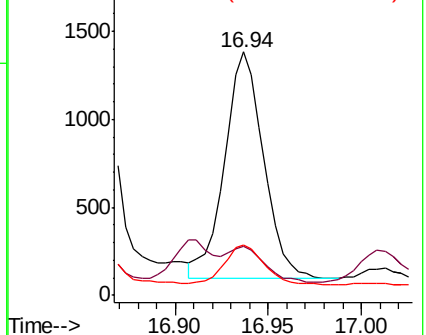
176 20.7 17.1 25.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 3.198 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

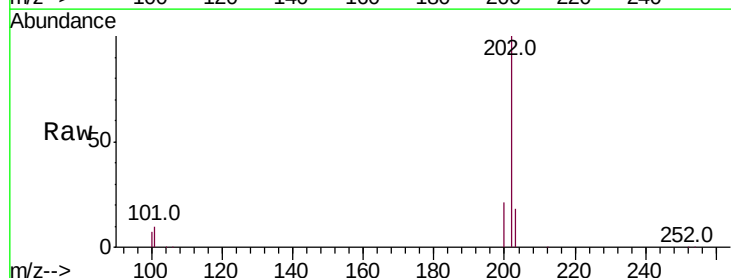
Tgt Ion:202 Resp: 57299

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.6

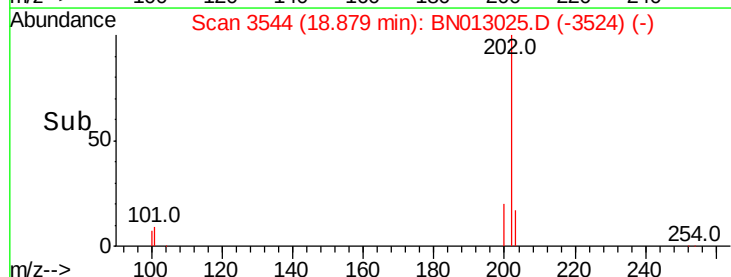
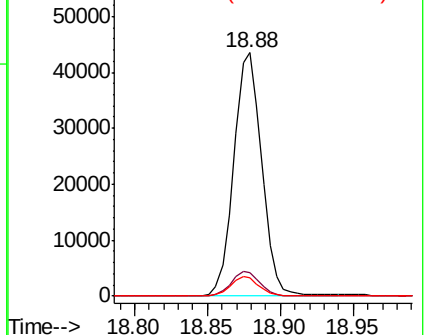
100 7.5 0.0 28.7

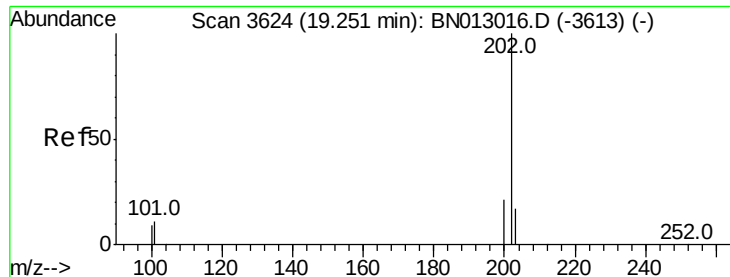


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

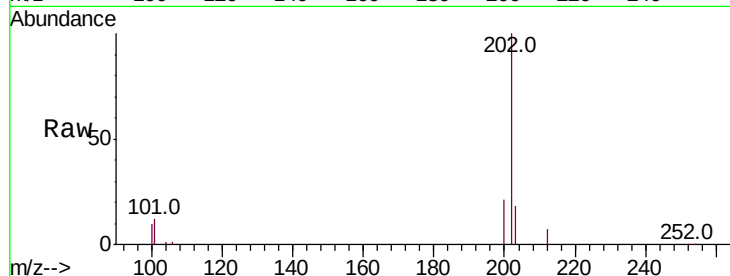




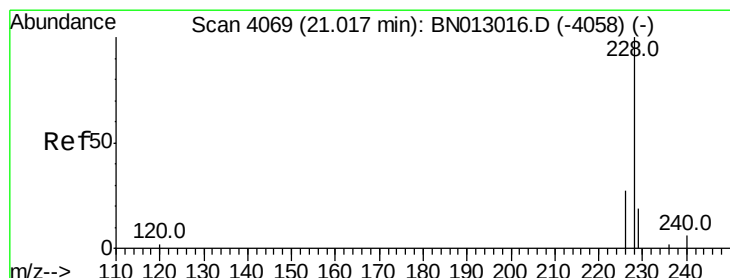
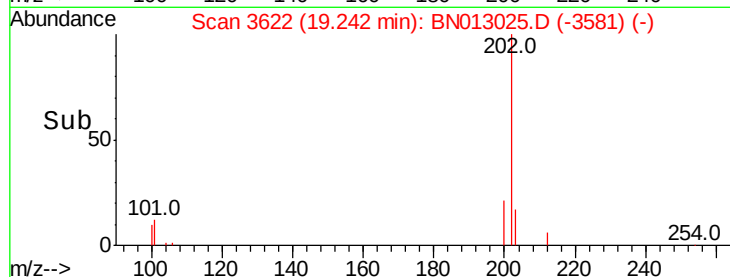
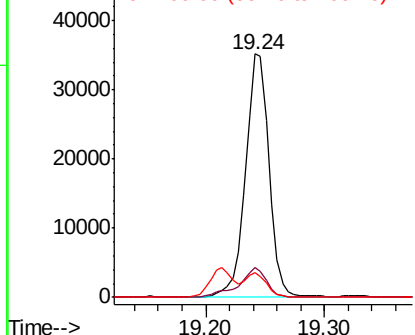
#17
Pvrene
Concen: 2.439 ng/ul
RT: 19.24 min Scan# 3622
Delta R.T. -0.01 min
Lab File: BN013025.D
Acq: 09 Dec 2020 23:09

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 47692
Ion Ratio Lower Upper
202 100
101 12.1 9.1 13.7
100 10.4 7.5 11.3

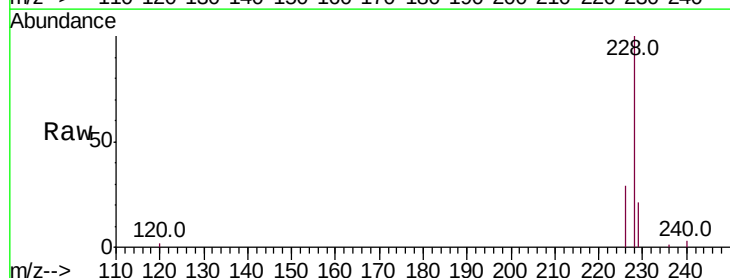


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

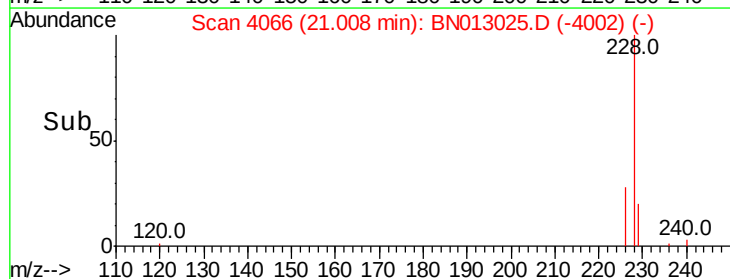
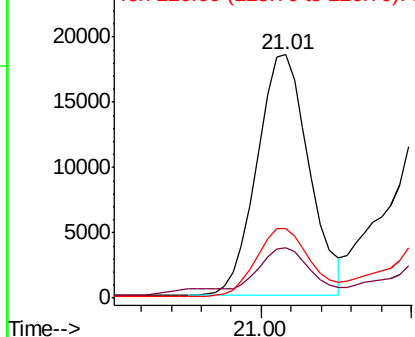


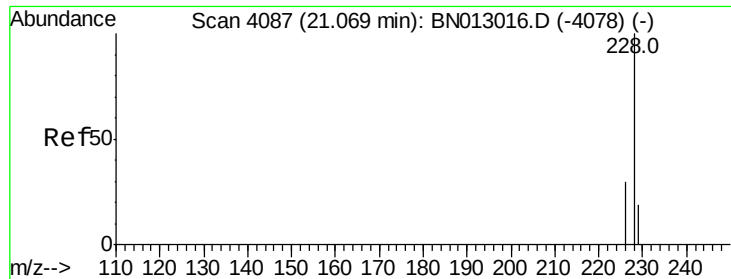
#18
Benzo(a)anthracene
Concen: 1.294 ng/ul
RT: 21.01 min Scan# 4066
Delta R.T. -0.01 min
Lab File: BN013025.D
Acq: 09 Dec 2020 23:09

Tgt Ion:228 Resp: 22171
Ion Ratio Lower Upper
228 100
229 20.8 16.3 24.5
226 28.7 23.4 35.2



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: 1.718 ng/ul

RT: 21.06 min Scan# 4083

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampleId :

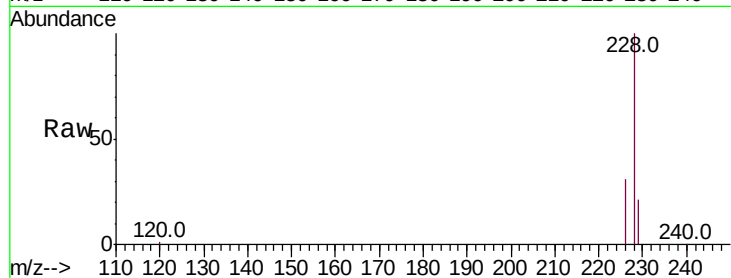
Tot Ion:228 Resp: 32512

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

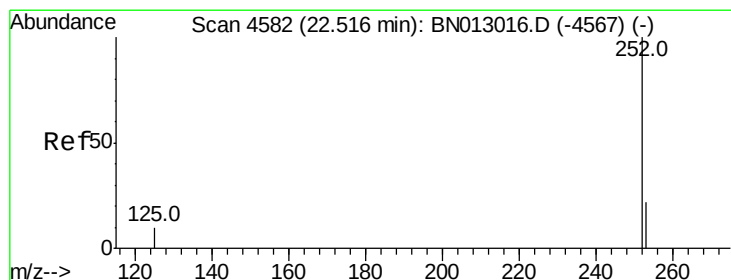
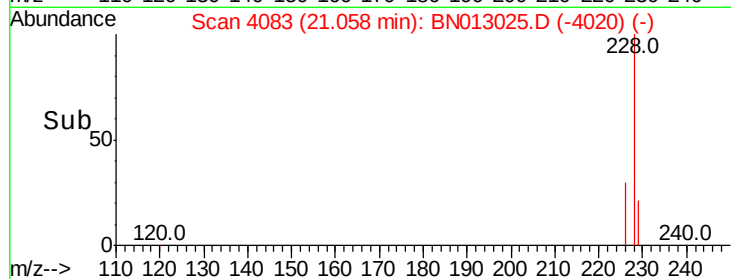
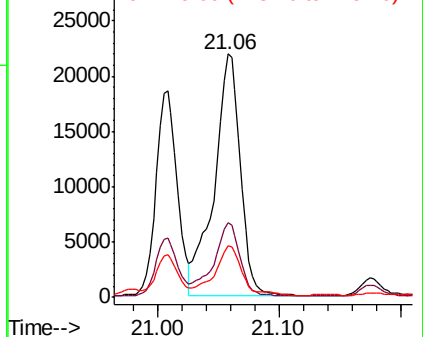
229 20.9 16.4 24.6



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: 2.956 ng/ul

RT: 22.50 min Scan# 4578

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

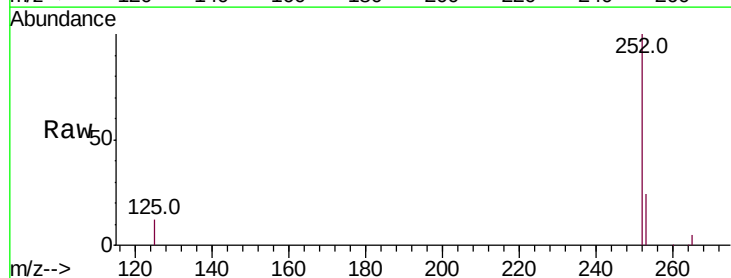
Tgt Ion:252 Resp: 55417

Ion Ratio Lower Upper

252 100

253 23.7 0.0 59.6

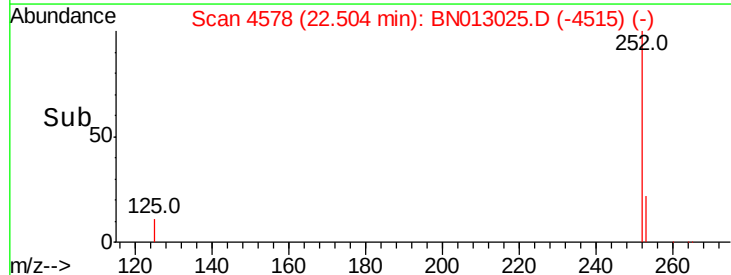
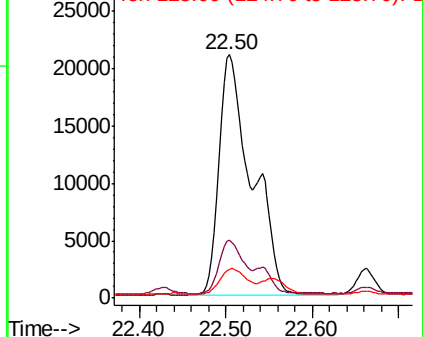
125 11.8 0.0 26.0

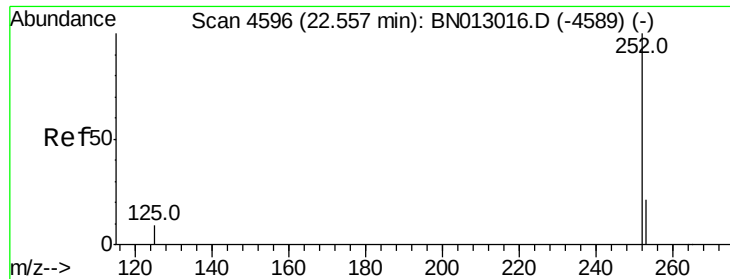


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.674 ng/ul

RT: 22.50 min Scan# 4578

Delta R.T. -0.06 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampleId :

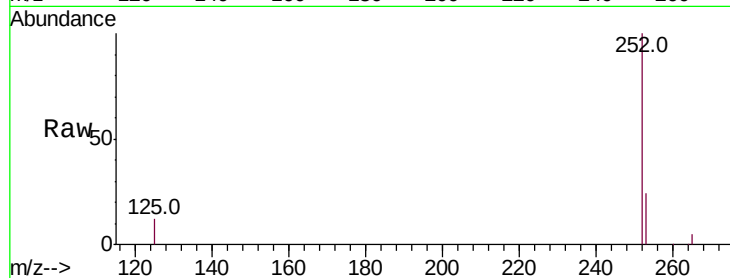
Tot Ion:252 Resp: 55417

Ion Ratio Lower Upper

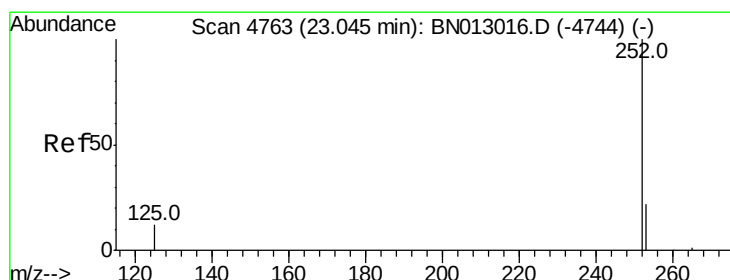
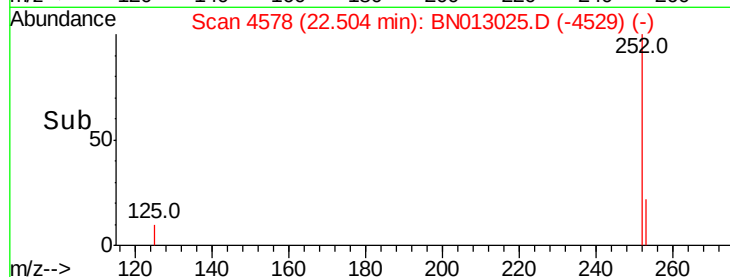
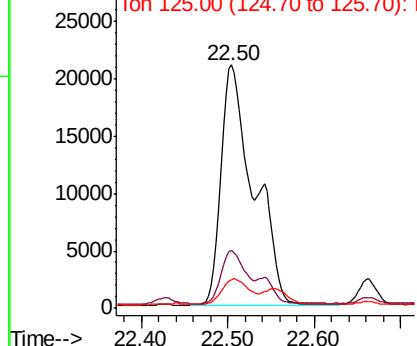
252 100

253 23.7 23.4 35.2

125 11.8 11.1 16.7



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: 1.379 ng/ul

RT: 23.03 min Scan# 4758

Delta R.T. -0.01 min

Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

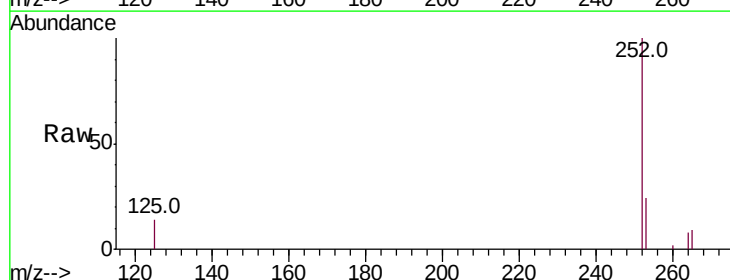
Tgt Ion:252 Resp: 23997

Ion Ratio Lower Upper

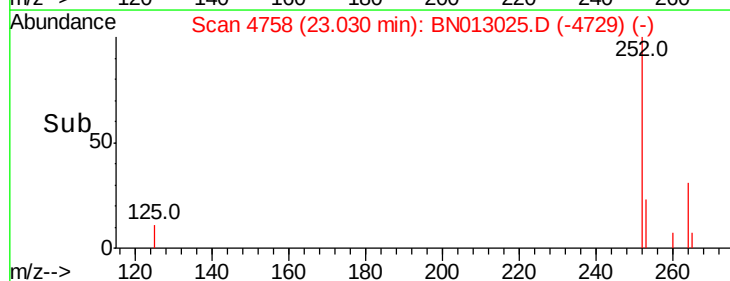
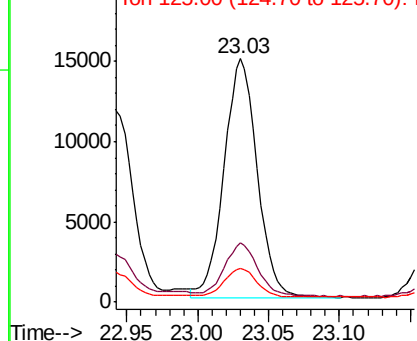
252 100

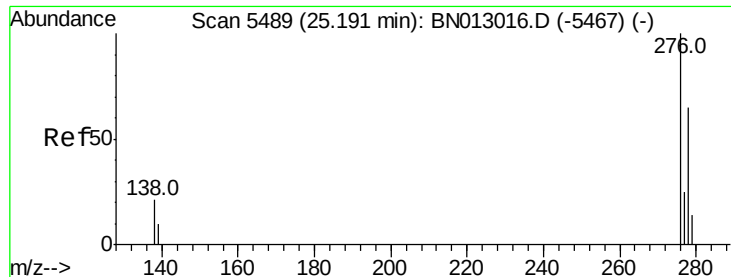
253 24.2 26.5 39.7#

125 13.7 14.2 21.2#



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



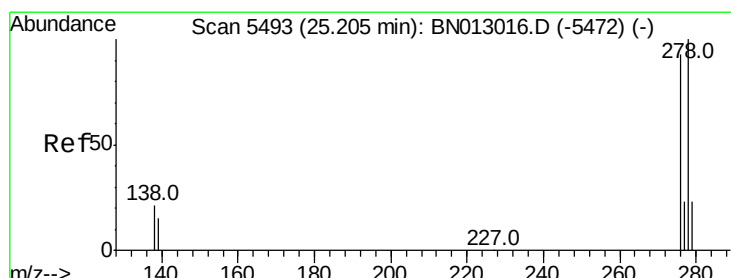
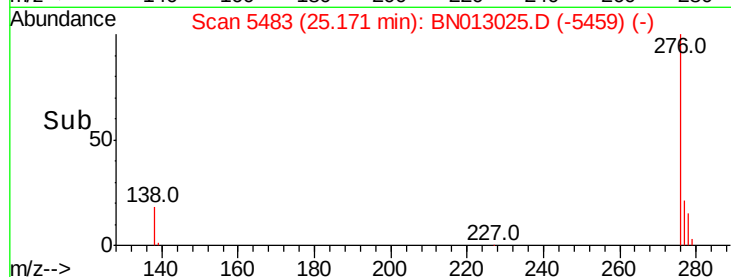
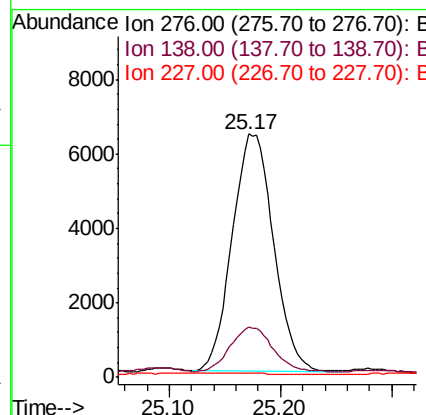
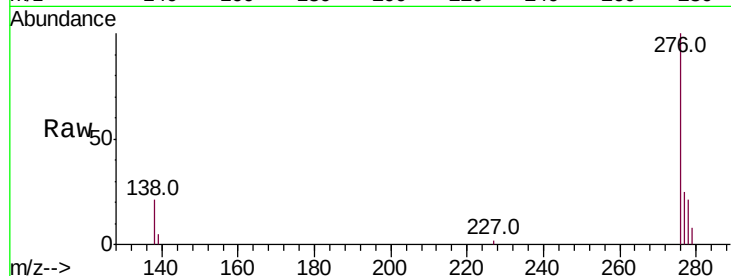


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.719 ng/ul
RT: 25.17 min Scan# 5483
Delta R.T. -0.02 min
Lab File: BN013025.D
Acq: 09 Dec 2020 23:09

Instrument :
BNA_N
ClientSampleId :

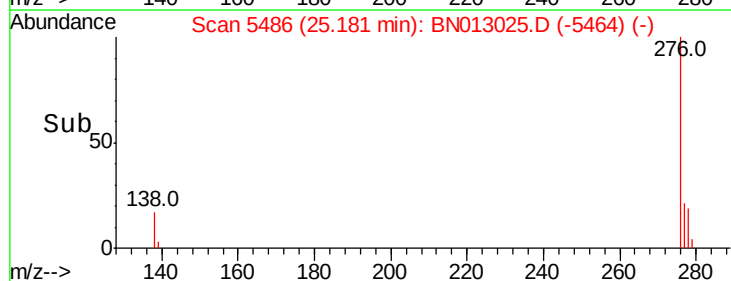
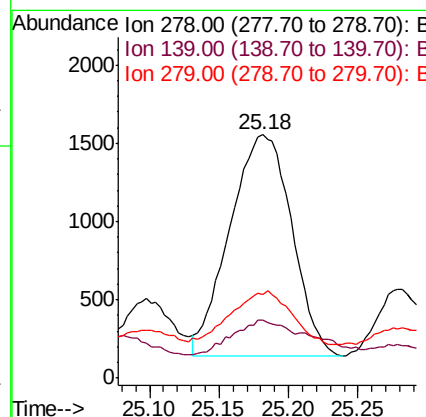
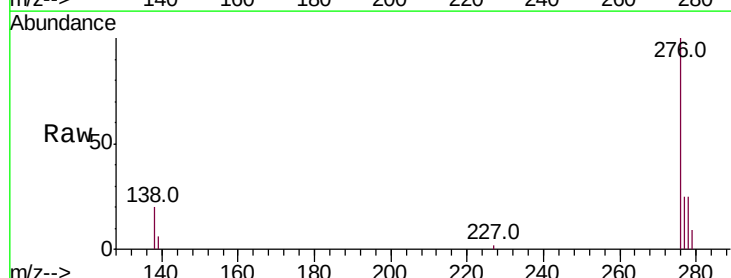
Tot Ion:276 Resp: 16439
Ion Ratio Lower Upper
276 100
138 19.1 16.2 24.2
227 0.0 0.0 0.0

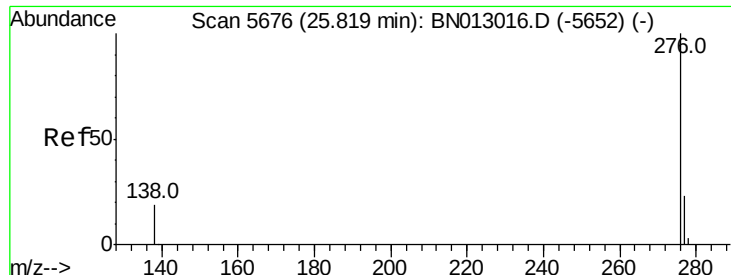


#25

Dibenzo(a,h)anthracene
Concen: 0.242 ng/ul
RT: 25.18 min Scan# 5486
Delta R.T. -0.03 min
Lab File: BN013025.D
Acq: 09 Dec 2020 23:09

Tgt Ion:278 Resp: 4378
Ion Ratio Lower Upper
278 100
139 23.8 14.5 21.7#
279 34.3 26.3 39.5





#26

Benzo(a,h,i)perylene

Concen: 0.658 ng/ul

RT: 25.81 min Scan# 5672

Delta R.T. -0.02 min

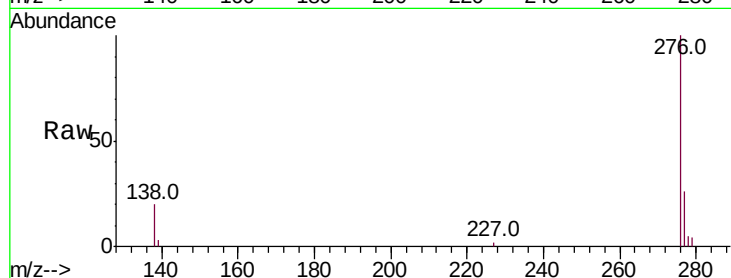
Lab File: BN013025.D

Acq: 09 Dec 2020 23:09

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 13600

Ion Ratio Lower Upper

276 100

138 20.2 16.3 24.5

277 25.6 21.8 32.6

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

