

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013019.D
 Acq On : 09 Dec 2020 19:32
 Operator : CG/JU
 Sample : L4941-04
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AY1

Quant Time: Dec 10 01:00:13 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

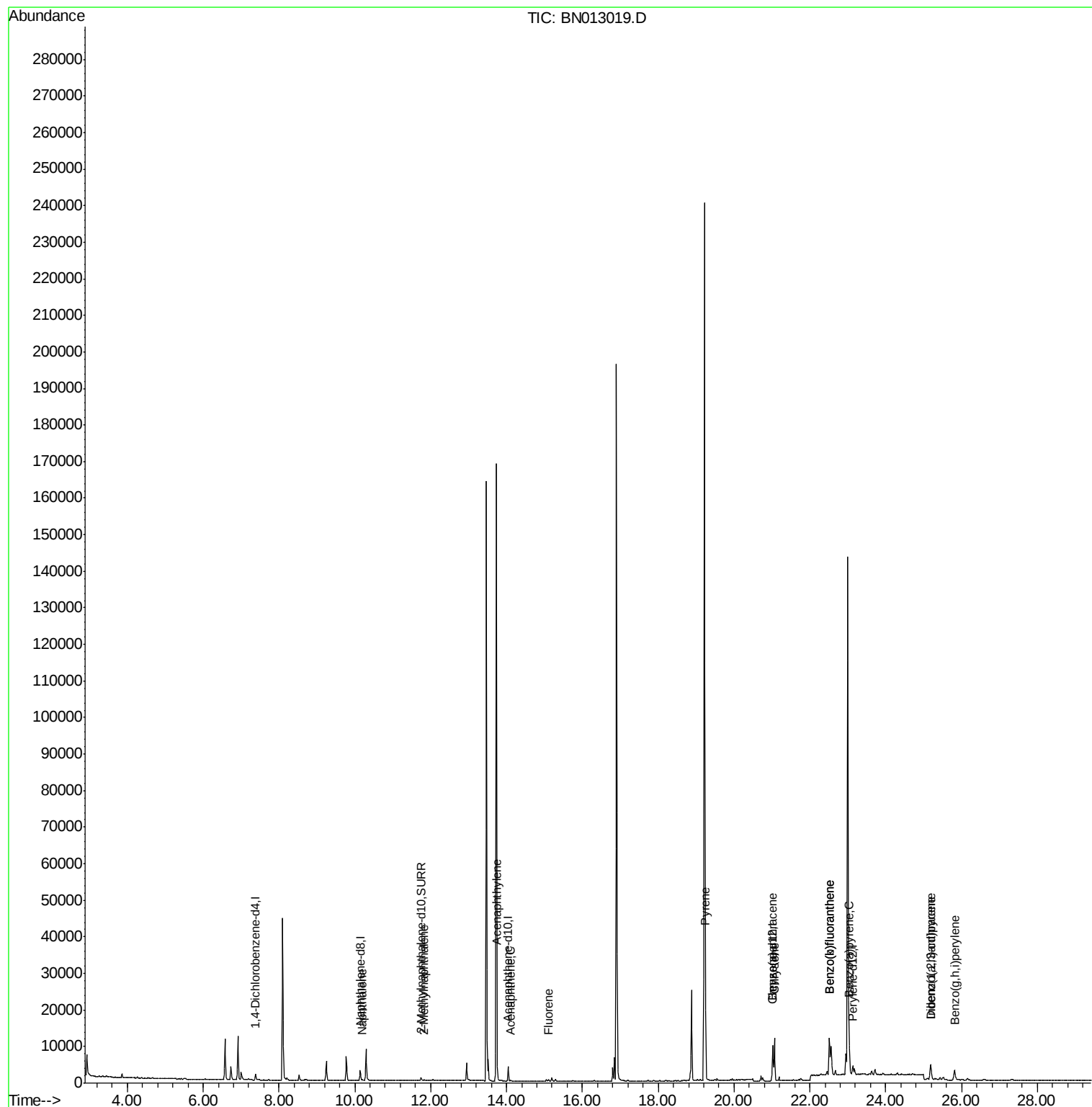
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	881	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.14	136	3524	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2017	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.81
16) Chrysene-d12	21.03	240	3041	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	2771	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	1175	0.22	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	2405	0.00	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.19	128	447	0.044	ng/ul#	77
5) 2-Methylnaphthalene	11.82	142	291	0.043	ng/ul	99
7) Acenaphthylene	13.76	152	376	0.039	ng/ul#	70
8) Acenaphthene	14.11	153	180	0.023	ng/ul#	91
9) Fluorene	15.11	166	238	0.026	ng/ul#	90
17) Pyrene	19.25	202	18520	1.289	ng/ul	99
18) Benzo(a)anthracene	21.01	228	7845	0.624	ng/ul	100
19) Chrysene	21.07	228	11327	0.815	ng/ul	99
21) Benzo(b)fluoranthene	22.51	252	20527	1.601	ng/ul	92
22) Benzo(k)fluoranthene	22.51	252	20527	1.449	ng/ul#	93
23) Benzo(a)pyrene	23.04	252	8550	0.719	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.18	276	6296	0.403	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.19	278	1492	0.121	ng/ul#	62
26) Benzo(g,h,i)perylene	25.82	276	5490	0.388	ng/ul	96

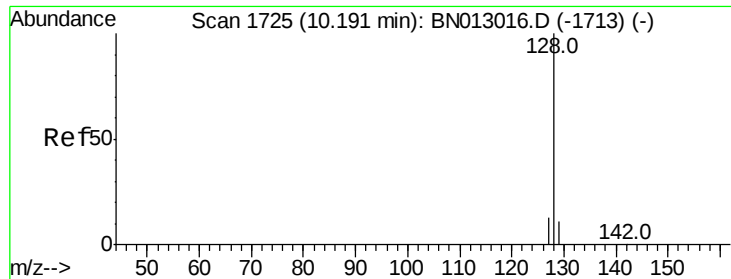
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 10 00:40:41 2020
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#3

Naphthalene

Concen: 0.044 ng/ul

RT: 10.19 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

Instrument :

BNA_N

ClientSampleId :

C0AY1

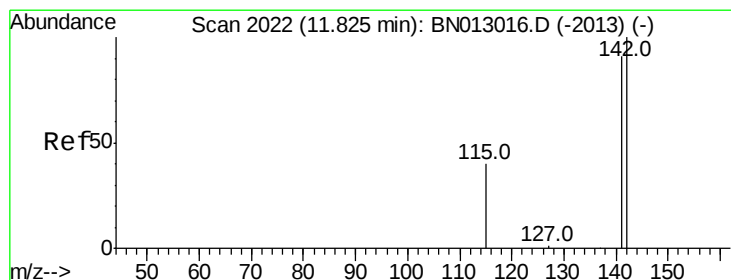
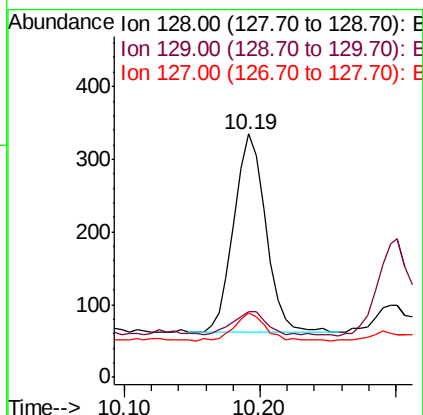
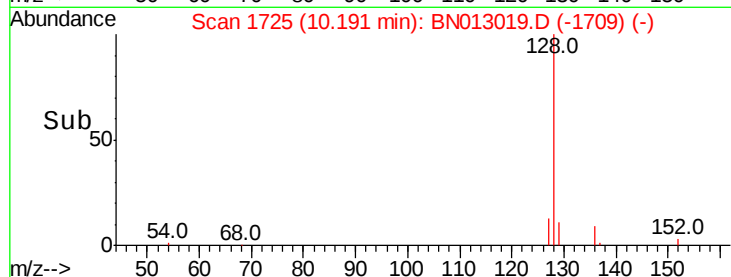
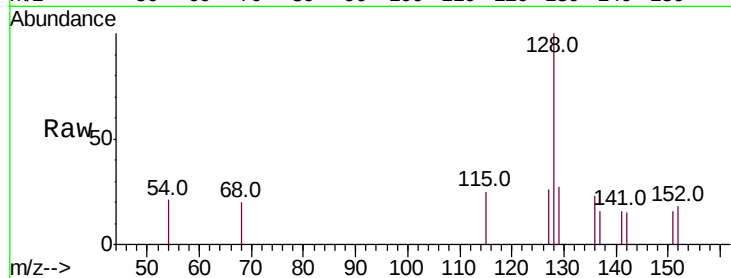
Tot Ion:128 Resp: 447

Ion Ratio Lower Upper

128 100

129 26.9 12.3 18.5#

127 26.3 14.2 21.4#



#5

2-Methylnaphthalene

Concen: 0.043 ng/ul

RT: 11.82 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BN013019.D

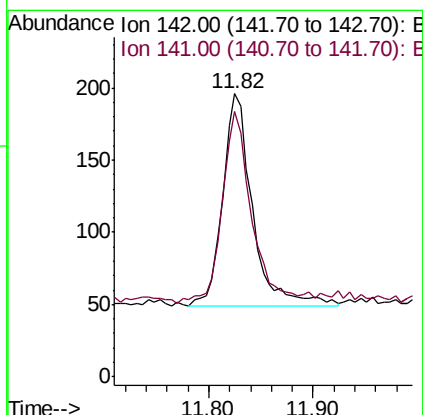
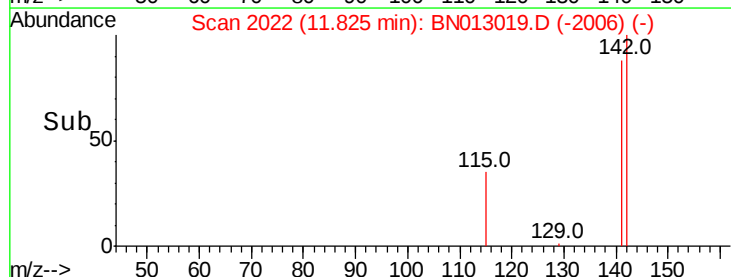
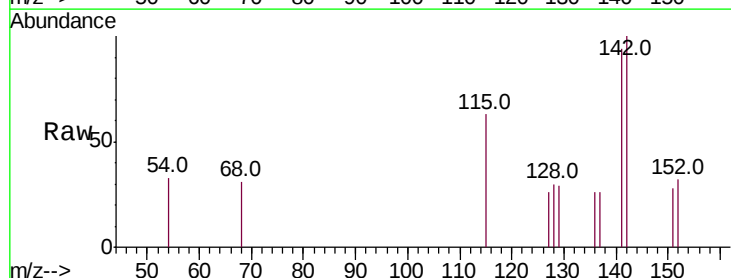
Acq: 09 Dec 2020 19:32

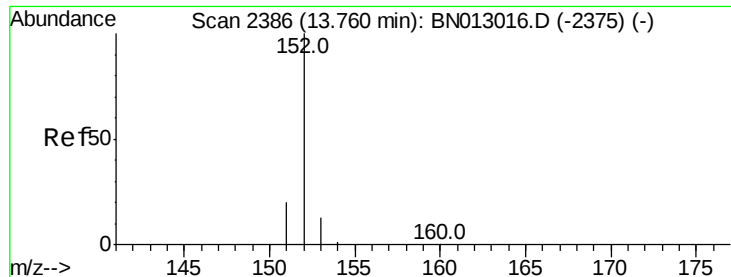
Tgt Ion:142 Resp: 291

Ion Ratio Lower Upper

142 100

141 92.4 73.0 109.6





#7

Acenaphthylene

Concen: 0.039 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

Instrument :

BNA_N

ClientSampleId :

C0AY1

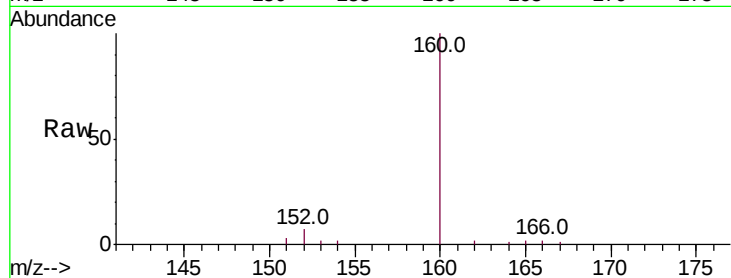
Tot Ion:152 Resp: 376

Ion Ratio Lower Upper

152 100

151 36.0 18.2 27.4#

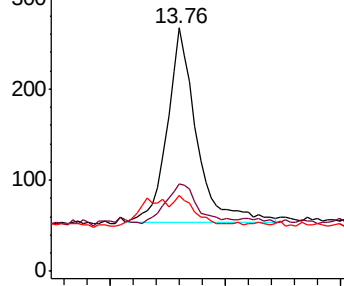
153 31.1 13.1 19.7#



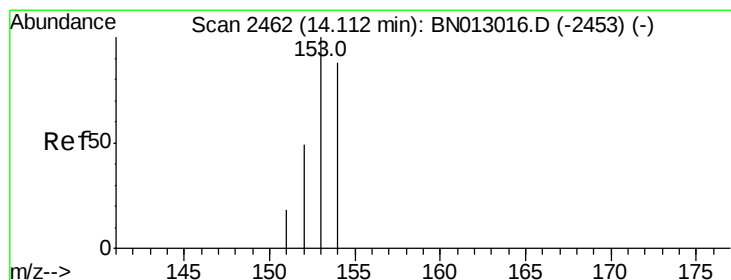
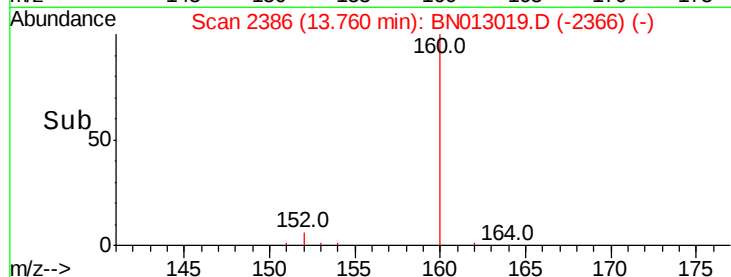
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.11 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

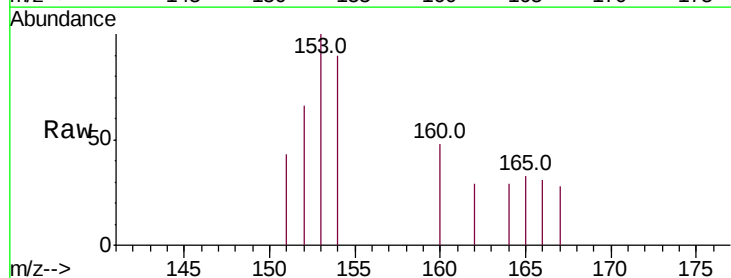
Tgt Ion:153 Resp: 180

Ion Ratio Lower Upper

153 100

152 65.5 40.7 61.1#

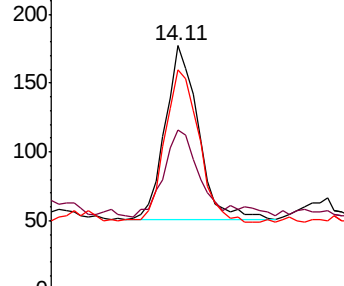
154 90.4 70.8 106.2



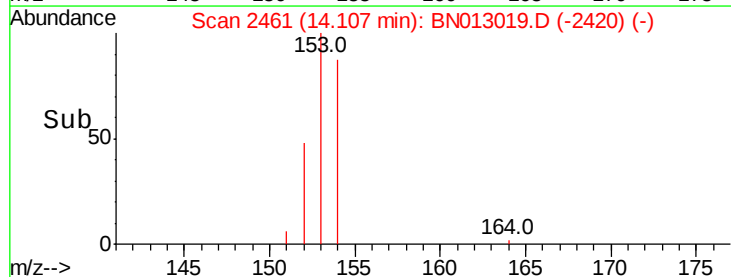
Abundance Ion 153.00 (152.70 to 153.70): E

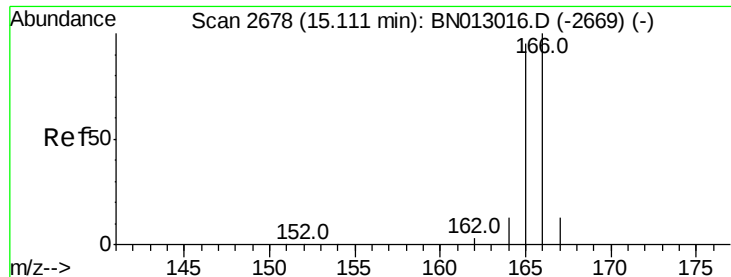
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

Instrument :

BNA_N

ClientSampleId :

C0AY1

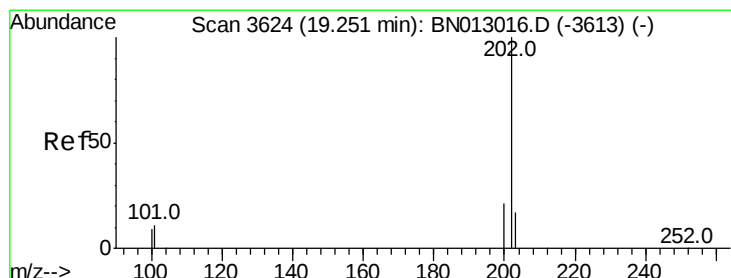
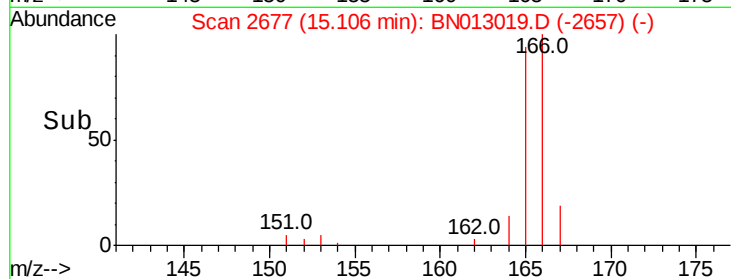
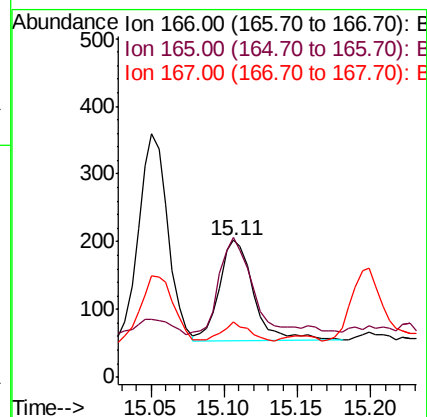
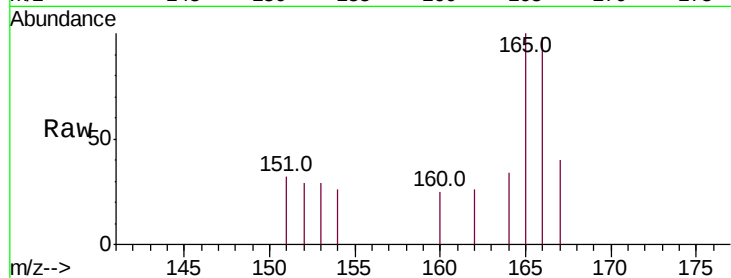
Tot Ion:166 Resp: 238

Ion Ratio Lower Upper

166 100

165 102.5 79.8 119.8

167 40.6 13.8 20.8#



#17

Pyrene

Concen: 1.289 ng/ul

RT: 19.25 min Scan# 3623

Delta R.T. -0.00 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

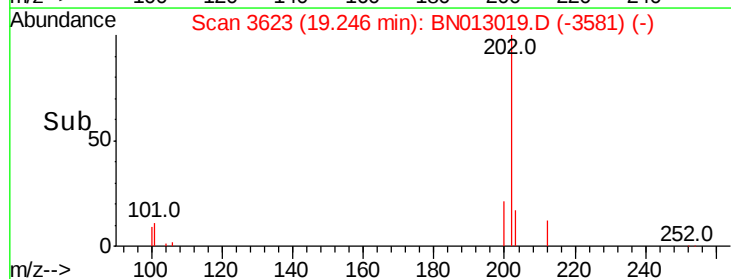
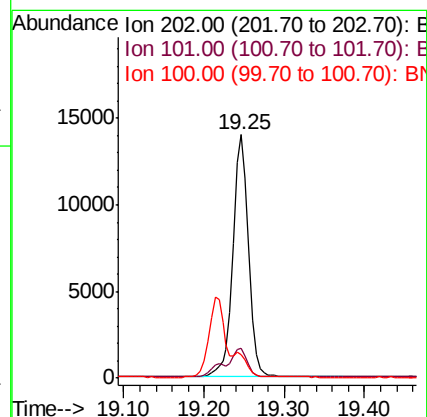
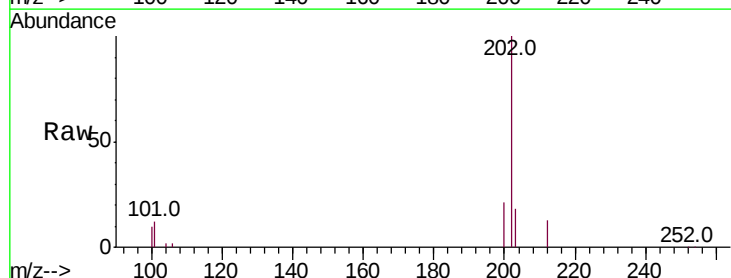
Tgt Ion:202 Resp: 18520

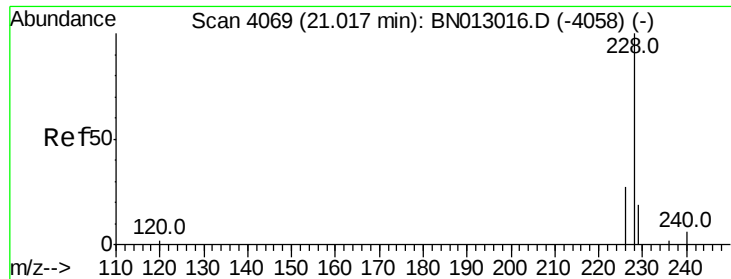
Ion Ratio Lower Upper

202 100

101 12.0 9.1 13.7

100 9.9 7.5 11.3





#18

Benzo(a)anthracene

Concen: 0.624 ng/ul

RT: 21.01 min Scan# 4068

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

Instrument :

BNA_N

ClientSampleId :

C0AY1

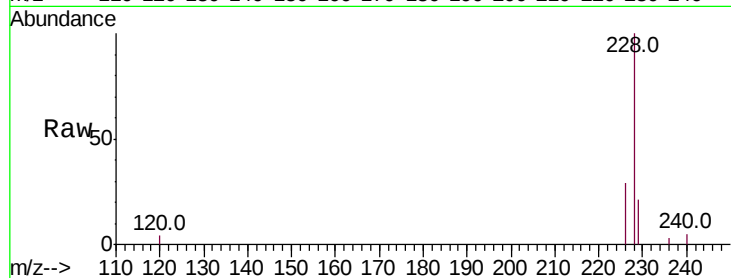
Tot Ion:228 Resp: 7845

Ion Ratio Lower Upper

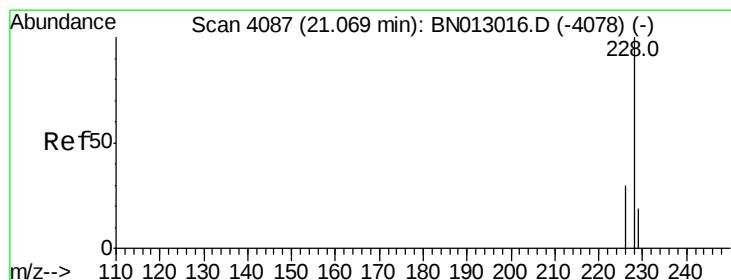
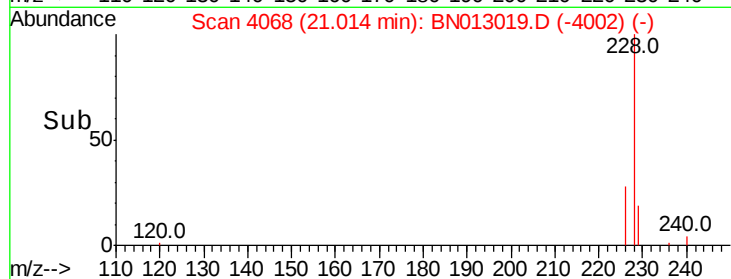
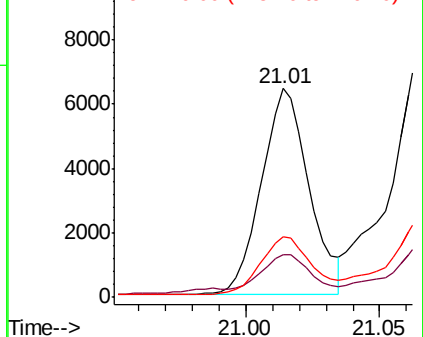
228 100

229 20.7 16.3 24.5

226 29.3 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: 0.815 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

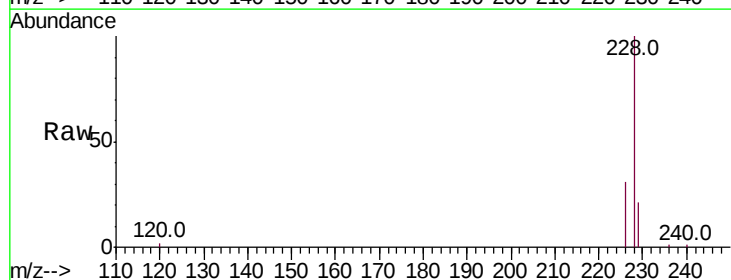
Tgt Ion:228 Resp: 11327

Ion Ratio Lower Upper

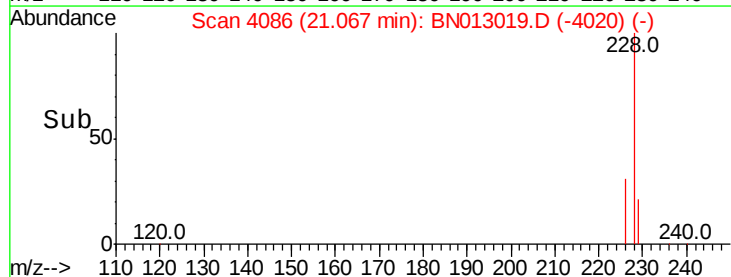
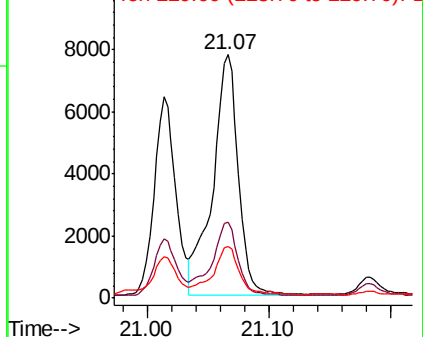
228 100

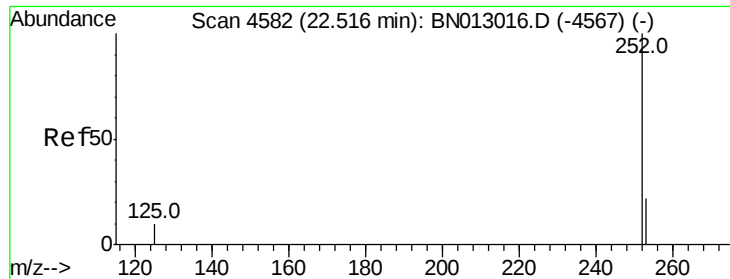
226 31.3 25.0 37.6

229 21.4 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: 1.601 ng/ul

RT: 22.51 min Scan# 4581

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

Instrument :

BNA_N

ClientSampleId :

C0AY1

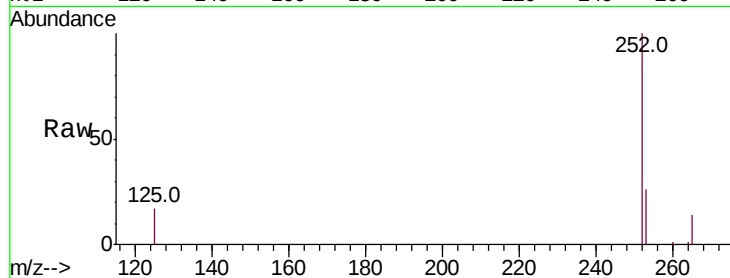
Tot Ion:252 Resp: 20527

Ion Ratio Lower Upper

252 100

253 25.9 0.0 59.6

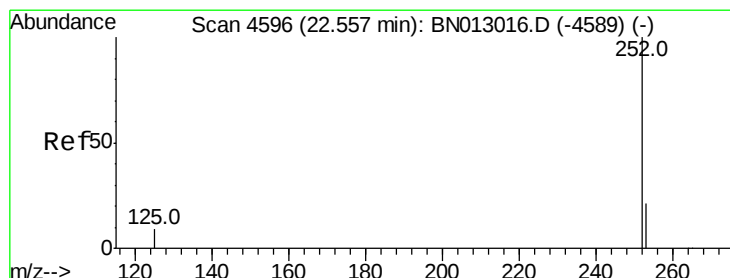
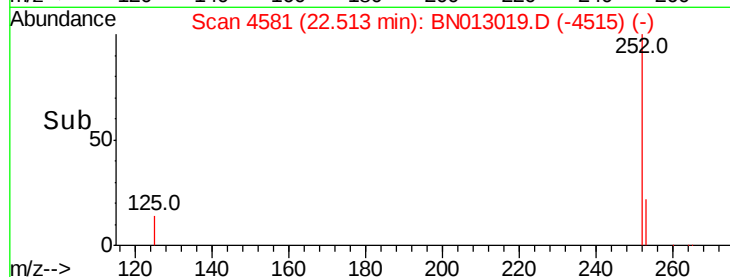
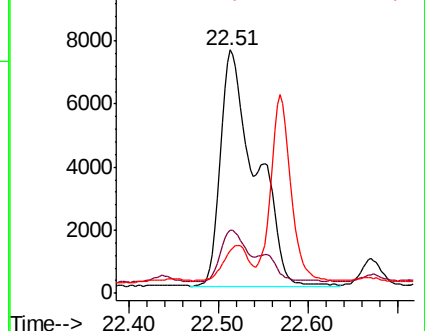
125 17.5 0.0 26.0



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: 1.449 ng/ul

RT: 22.51 min Scan# 4581

Delta R.T. -0.05 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

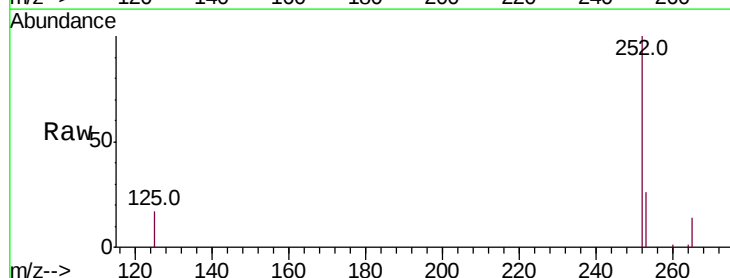
Tgt Ion:252 Resp: 20527

Ion Ratio Lower Upper

252 100

253 25.9 23.4 35.2

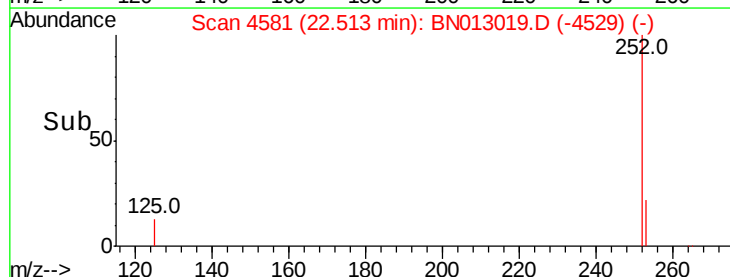
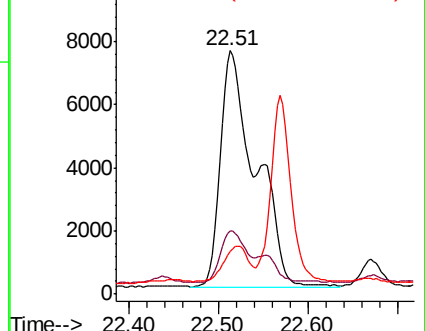
125 17.5 11.1 16.7#

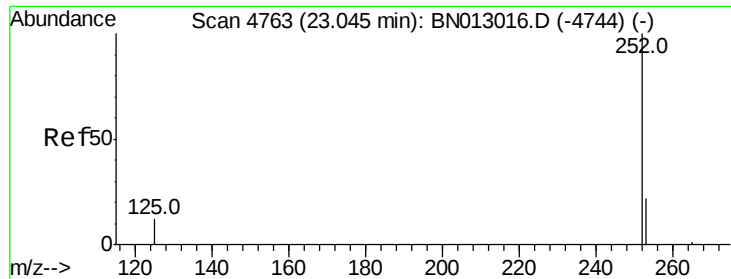


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.719 ng/ul

RT: 23.04 min Scan# 4761

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

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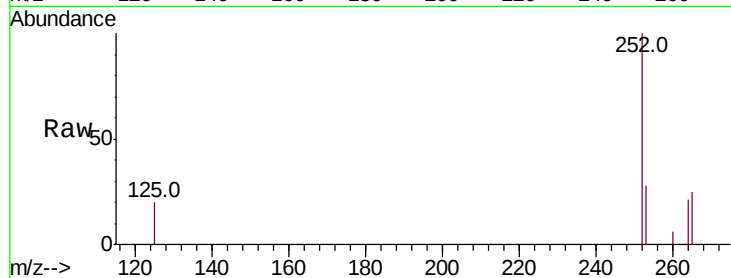
Tot Ion:252 Resp: 8550

Ion Ratio Lower Upper

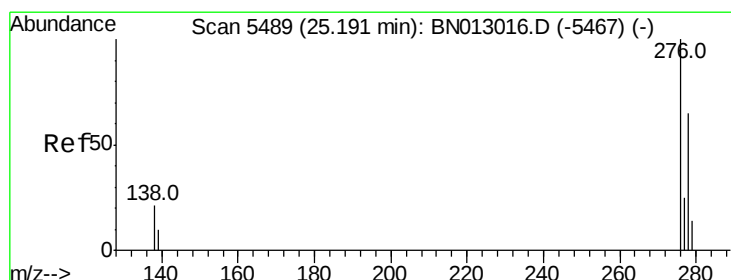
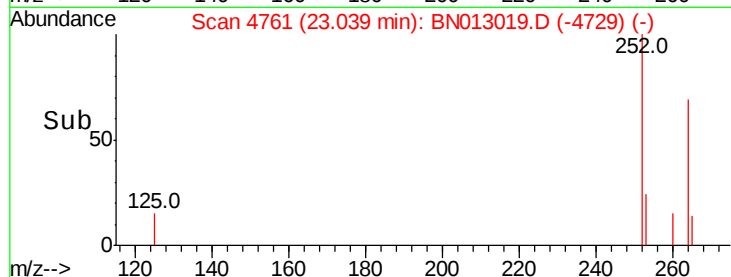
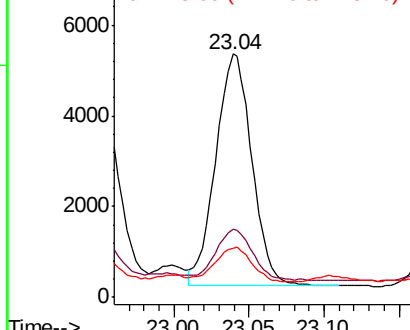
252 100

253 28.0 26.5 39.7

125 20.4 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: 0.403 ng/ul

RT: 25.18 min Scan# 5487

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

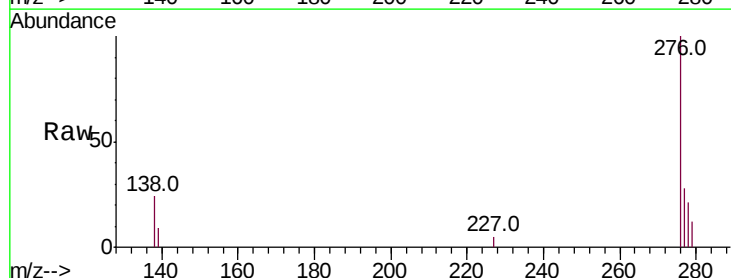
Tgt Ion:276 Resp: 6296

Ion Ratio Lower Upper

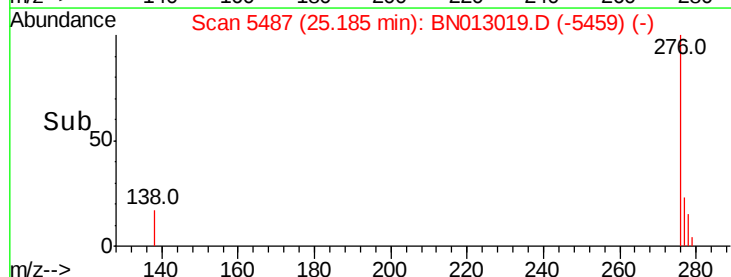
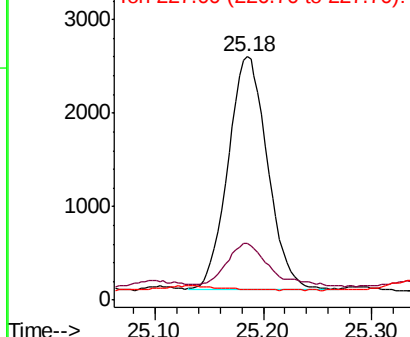
276 100

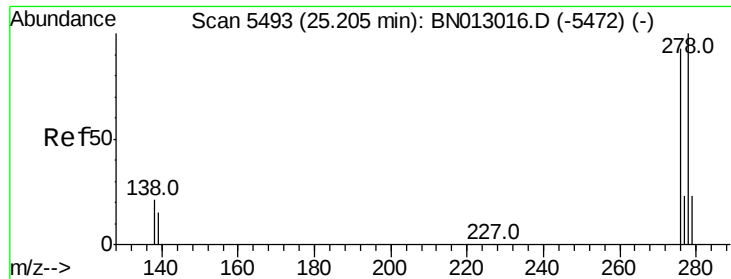
138 20.2 16.2 24.2

227 0.0 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: 0.121 ng/u1

RT: 25.19 min Scan# 5488

Delta R.T. -0.02 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

Instrument :

BNA_N

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C0AY1

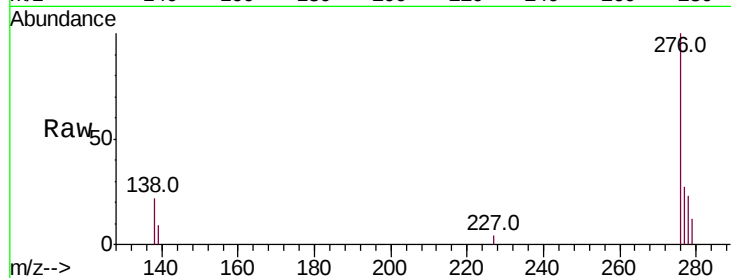
Tot Ion:278 Resp: 1492

Ion Ratio Lower Upper

278 100

139 38.3 14.5 21.7#

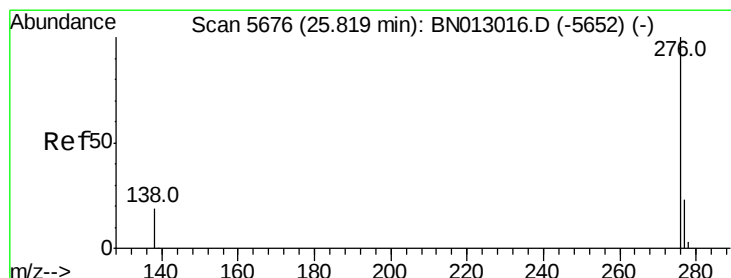
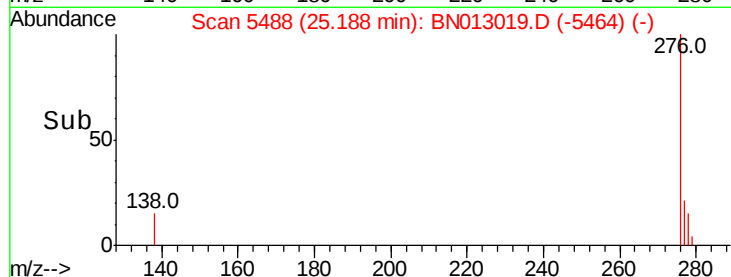
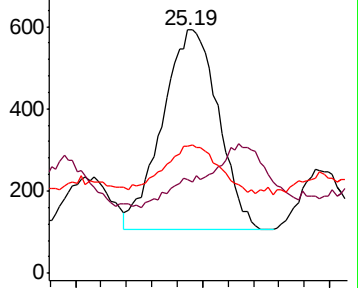
279 52.4 26.3 39.5#



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: 0.388 ng/u1

RT: 25.82 min Scan# 5675

Delta R.T. -0.01 min

Lab File: BN013019.D

Acq: 09 Dec 2020 19:32

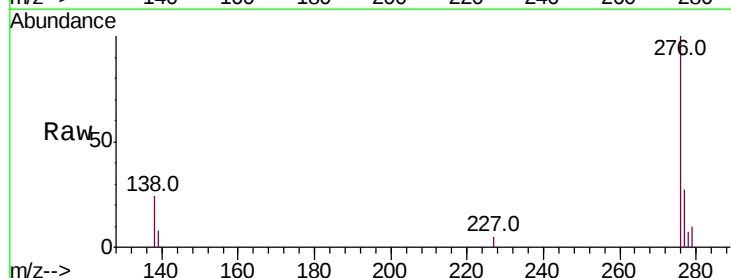
Tgt Ion:276 Resp: 5490

Ion Ratio Lower Upper

276 100

138 23.9 16.3 24.5

277 26.8 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

