

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012828.D
 Acq On : 02 Dec 2020 20:45
 Operator : CG/JU
 Sample : L4793-17DL 2X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B48DL

Quant Time: Dec 03 00:45:31 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 Dec 02 12:19:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	699	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	2760	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.07	164	1588	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.83	188	3365	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	2749	0.40	ng/ul	0.00
20) Perylene-d12	23.16	264	2893	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.80	152	219	0.05	ng/ul	0.01
14) Fluoranthene-d10	18.87	212	517	0.06	ng/ul	0.00

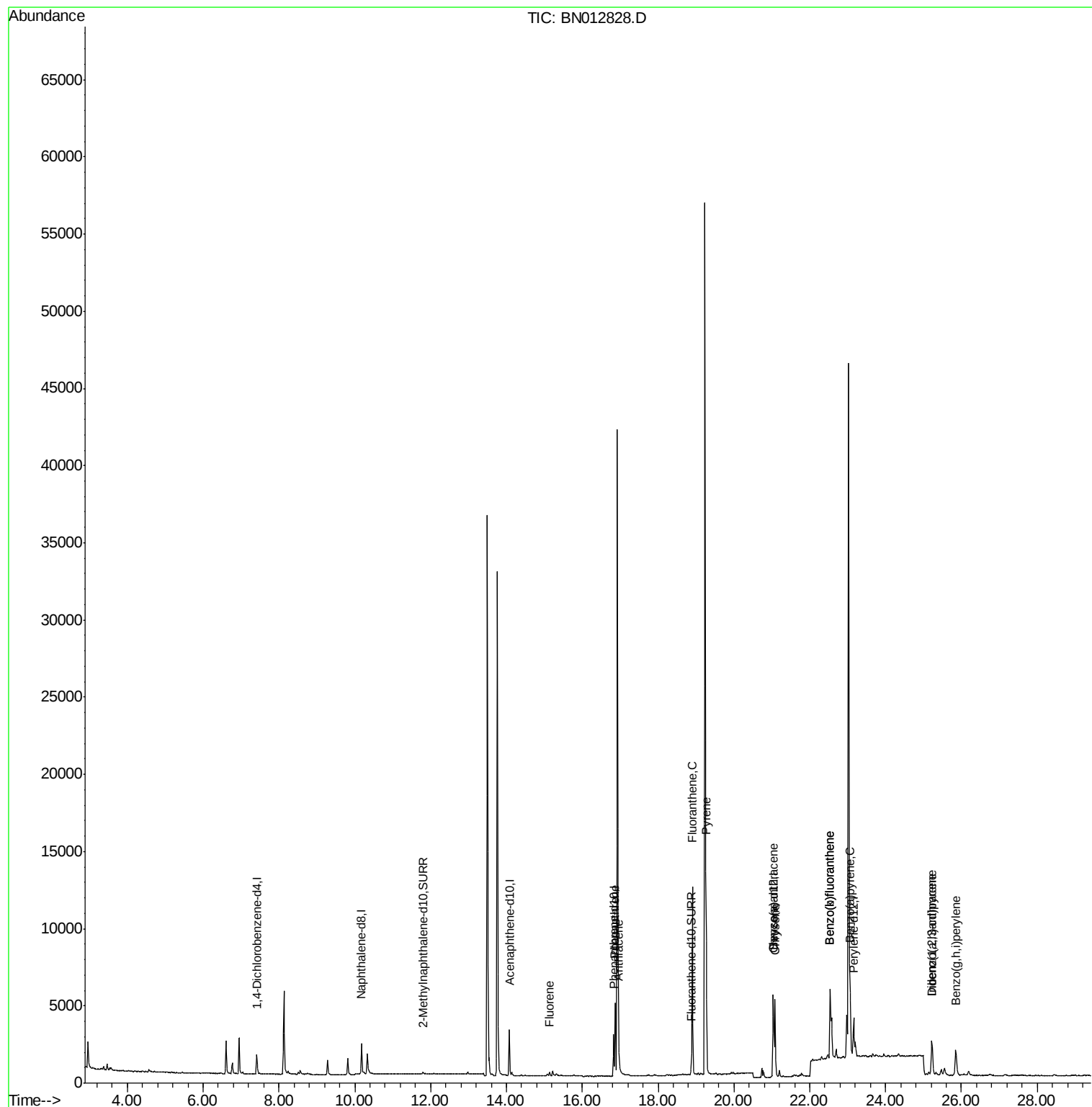
Target Compounds				Ovalue		
9) Fluorene	15.13	166	162	0.023	ng/ul#	89
12) Phenanthrene	16.87	178	5059	0.432	ng/ul	99
13) Anthracene	16.96	178	894	0.088	ng/ul#	88
15) Fluoranthene	18.90	202	10706	0.792	ng/ul	97
17) Pyrene	19.27	202	10201	0.830	ng/ul	98
18) Benzo(a)anthracene	21.03	228	4196	0.426	ng/ul	100
19) Chrysene	21.08	228	5339	0.434	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	10030	0.754	ng/ul	99
22) Benzo(k)fluoranthene	22.54	252	10030	0.654	ng/ul	98
23) Benzo(a)pyrene	23.07	252	4625	0.369	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.22	276	3463	0.211	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.23	278	826	0.063	ng/ul#	57
26) Benzo(g,h,i)perylene	25.85	276	3353	0.227	ng/ul	96

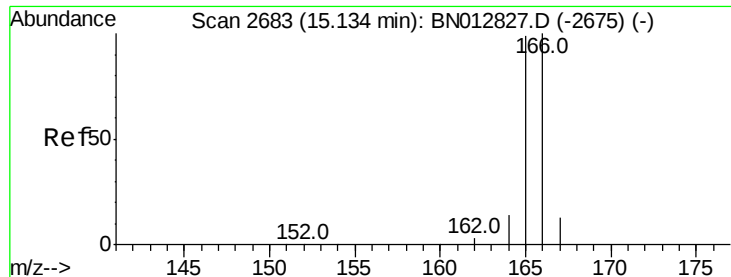
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 00:45:31 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 Dec 02 12:19:27 2020
Response via : Initial Calibration





#9

Fluorene

Concen: 0.023 ng/ul

RT: 15.13 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

Instrument :

BNA_N

ClientSampleId :

C0B48DL

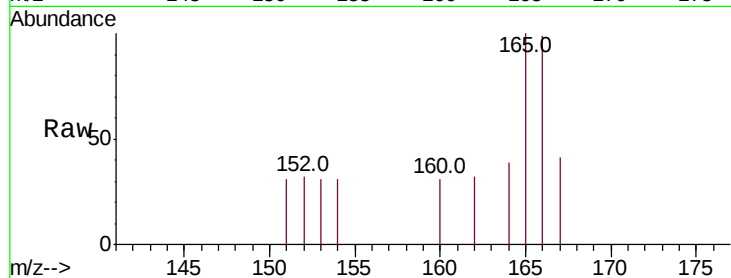
Tot Ion:166 Resp: 162

Ion Ratio Lower Upper

166 100

165 101.3 78.5 117.7

167 41.9 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

15.13

150

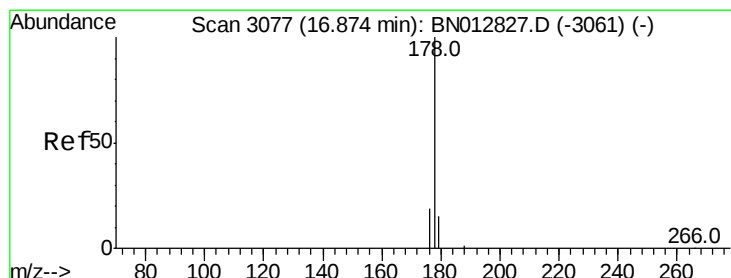
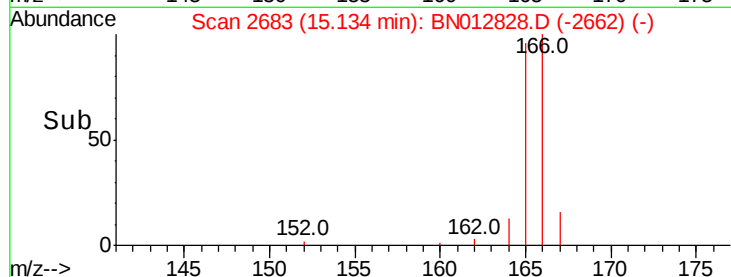
100

50

0

15.10 15.15 15.20

Time-->



#12

Phenanthrene

Concen: 0.432 ng/ul

RT: 16.87 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

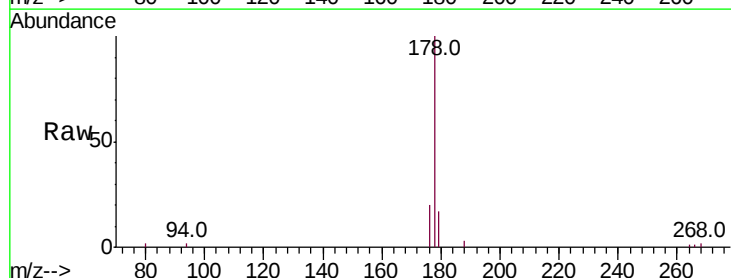
Tgt Ion:178 Resp: 5059

Ion Ratio Lower Upper

178 100

179 16.9 13.8 20.6

176 20.1 16.7 25.1



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

16.87

4000

3000

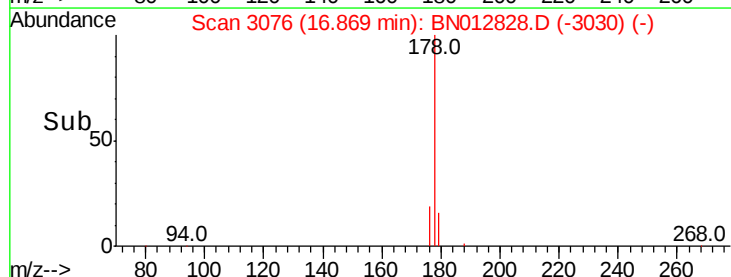
2000

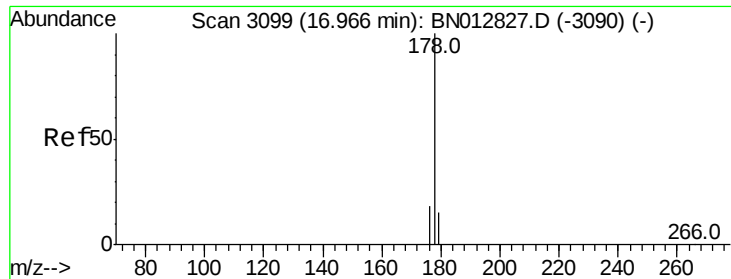
1000

0

16.80 16.90

Time-->





#13

Anthracene

Concen: 0.088 ng/ul

RT: 16.96 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

Instrument :

BNA_N

ClientSampleId :

C0B48DL

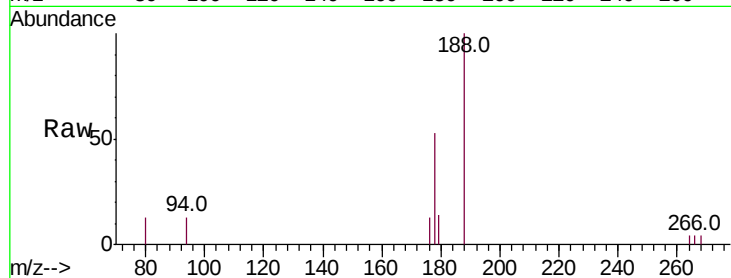
Tot Ion:178 Resp: 894

Ion Ratio Lower Upper

178 100

179 25.4 14.8 22.2#

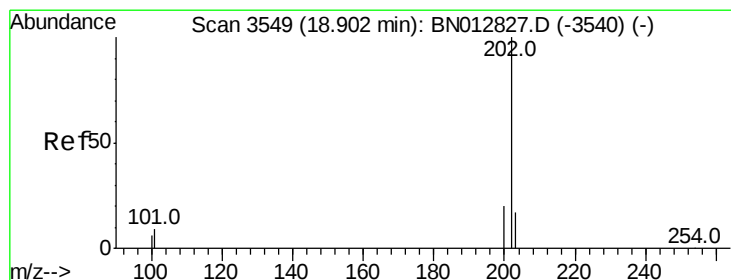
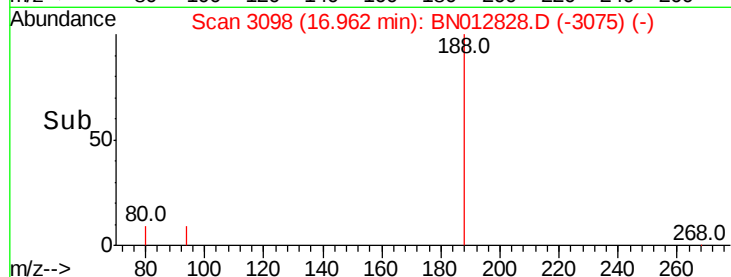
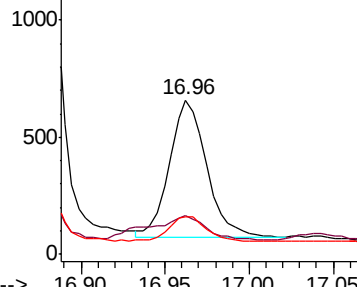
176 24.5 16.3 24.5



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: 0.792 ng/ul

RT: 18.90 min Scan# 3549

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

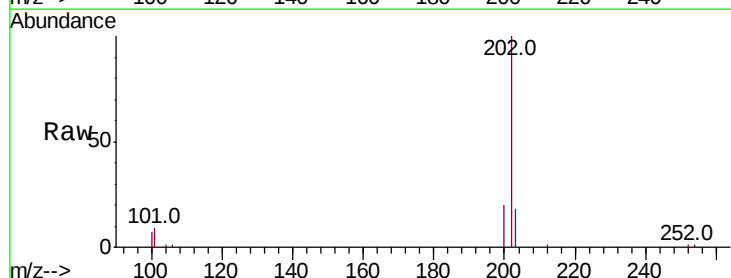
Tgt Ion:202 Resp: 10706

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.5

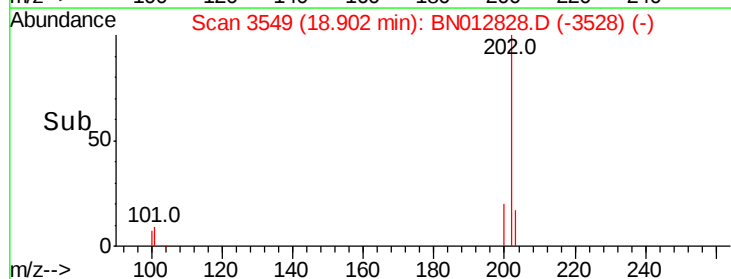
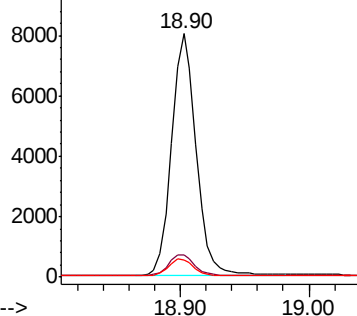
100 7.1 0.0 28.4

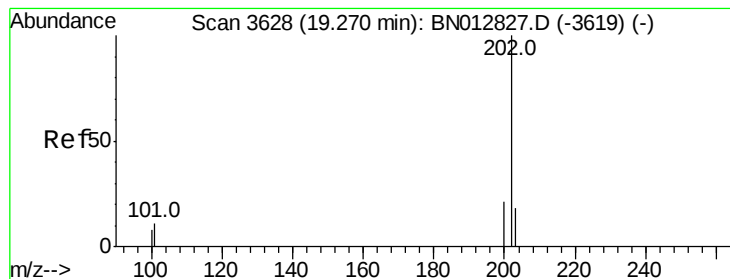


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.830 ng/ul

RT: 19.27 min Scan# 3628

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

Instrument :

BNA_N

ClientSampleId :

C0B48DL

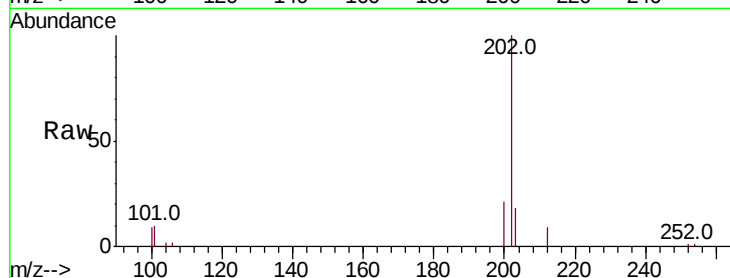
Tot Ion:202 Resp: 10201

Ion Ratio Lower Upper

202 100

101 10.1 8.9 13.3

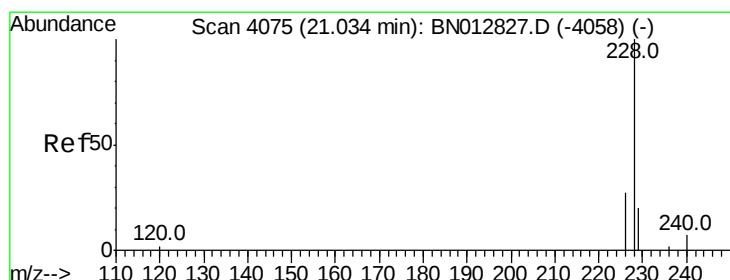
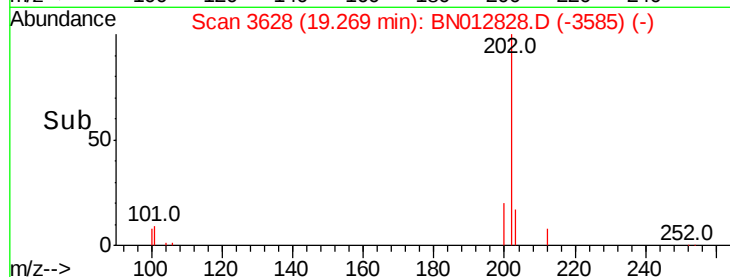
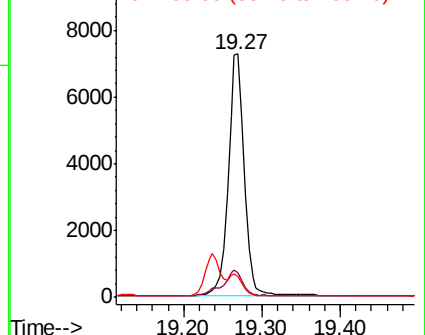
100 8.5 7.4 11.2



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): B



#18

Benzo(a)anthracene

Concen: 0.426 ng/ul

RT: 21.03 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

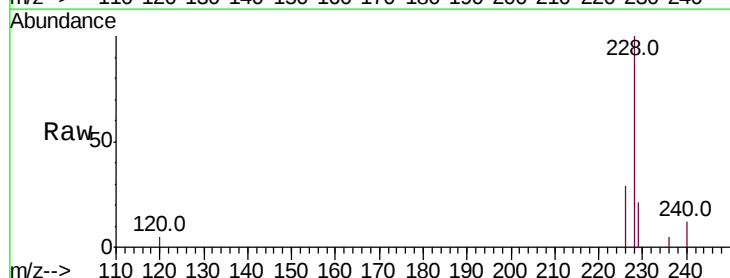
Tgt Ion:228 Resp: 4196

Ion Ratio Lower Upper

228 100

229 21.1 16.9 25.3

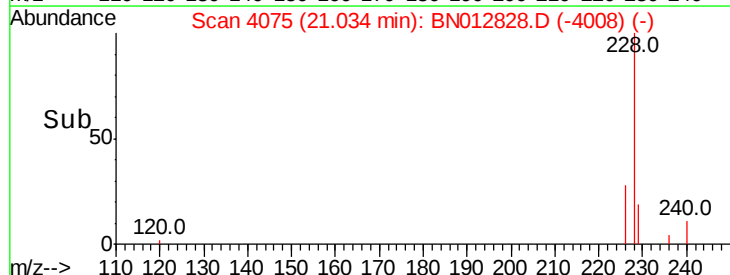
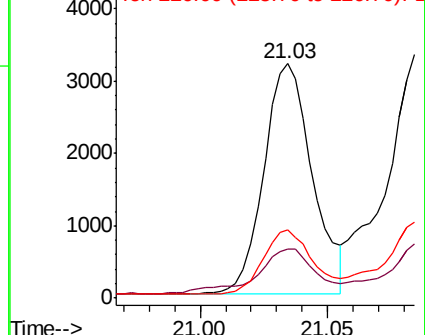
226 29.0 23.1 34.7

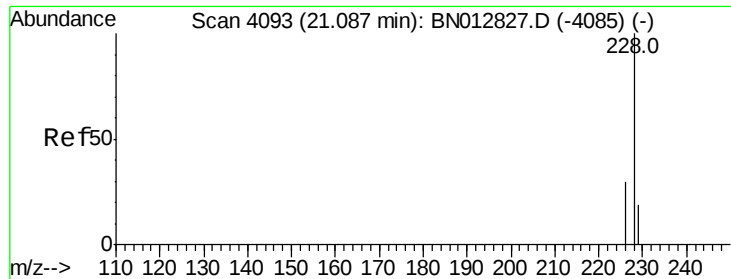


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.434 ng/ul

RT: 21.08 min Scan# 4092

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

Instrument :

BNA_N

ClientSampleId :

C0B48DL

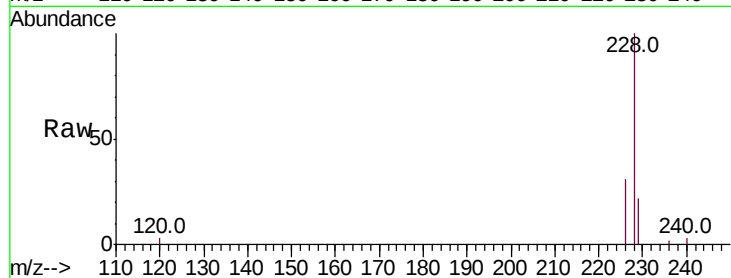
Tot Ion:228 Resp: 5339

Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

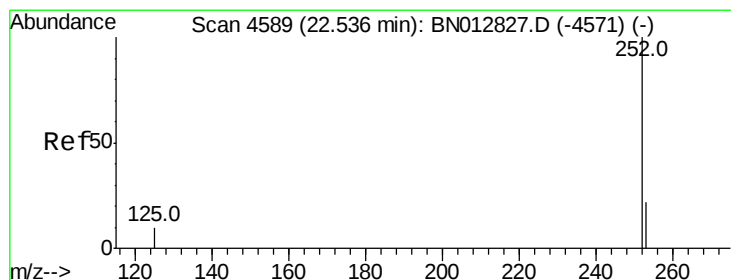
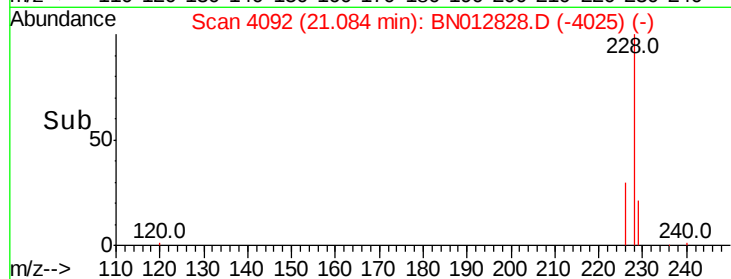
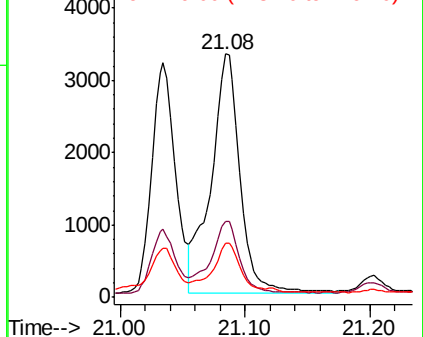
229 22.2 16.1 24.1



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: 0.754 ng/ul

RT: 22.54 min Scan# 4589

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

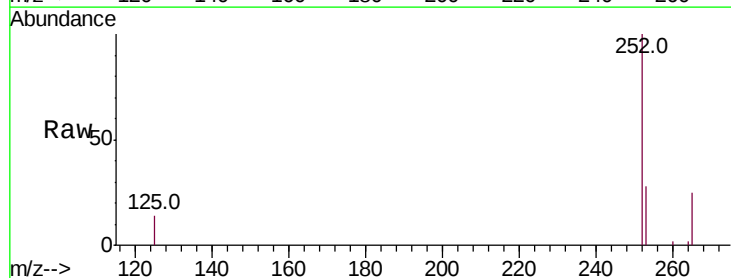
Tgt Ion:252 Resp: 10030

Ion Ratio Lower Upper

252 100

253 28.5 0.0 58.4

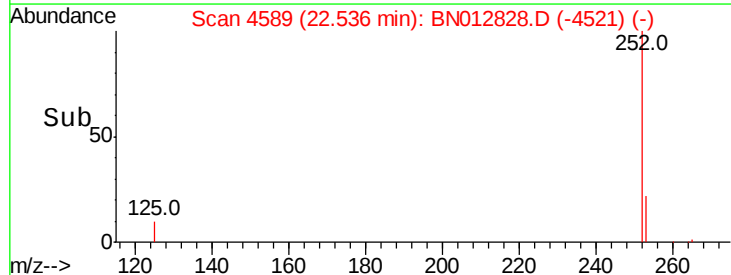
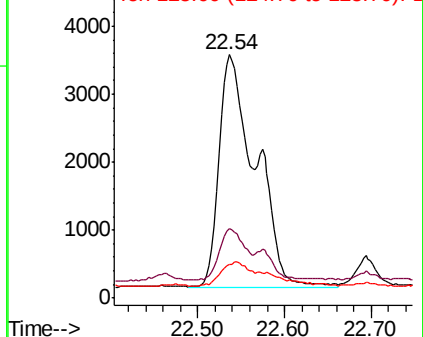
125 13.9 0.0 28.6

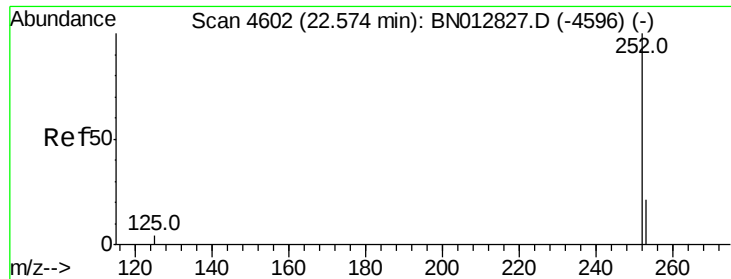


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.654 ng/ul

RT: 22.54 min Scan# 4589

Delta R.T. -0.04 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

Instrument :

BNA_N

ClientSampleId :

C0B48DL

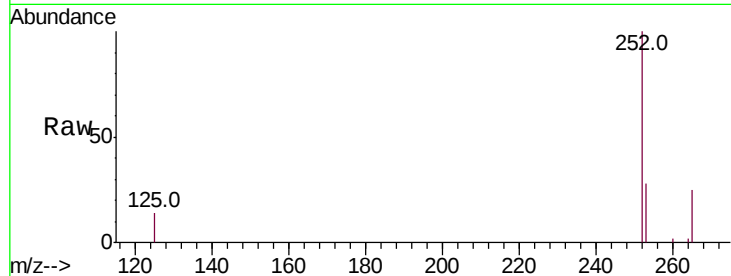
Tot Ion:252 Resp: 10030

Ion Ratio Lower Upper

252 100

253 28.5 23.4 35.2

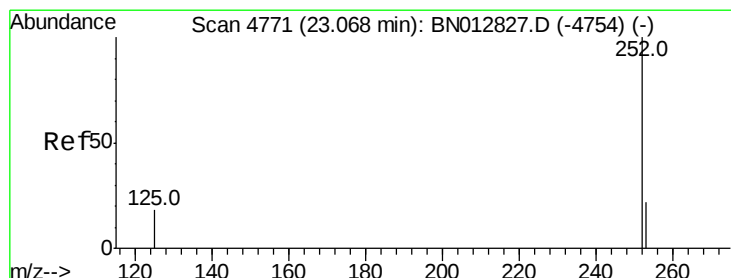
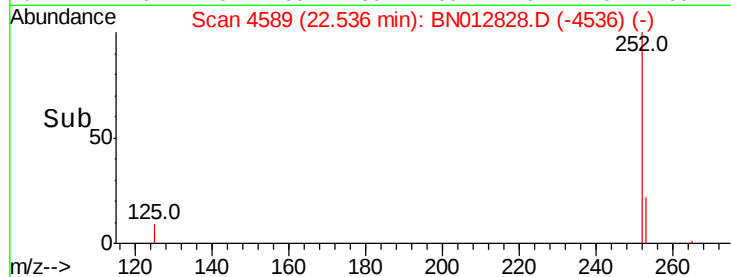
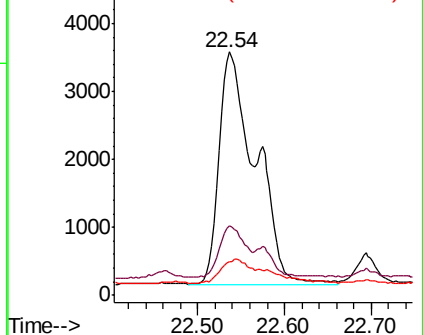
125 13.9 10.2 15.2



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: 0.369 ng/ul

RT: 23.07 min Scan# 4770

Delta R.T. -0.00 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

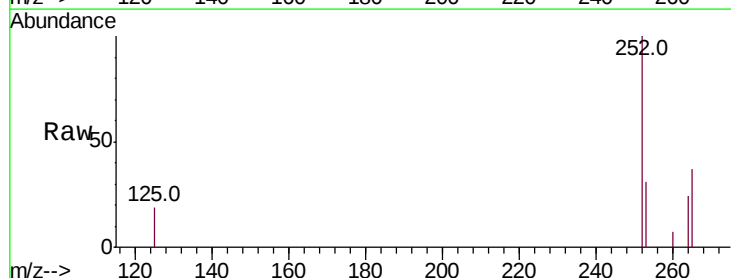
Tgt Ion:252 Resp: 4625

Ion Ratio Lower Upper

252 100

253 30.9 27.6 41.4

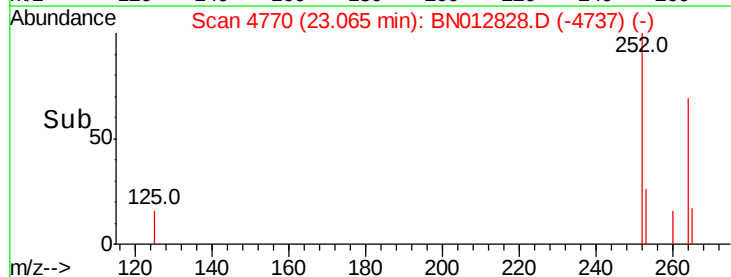
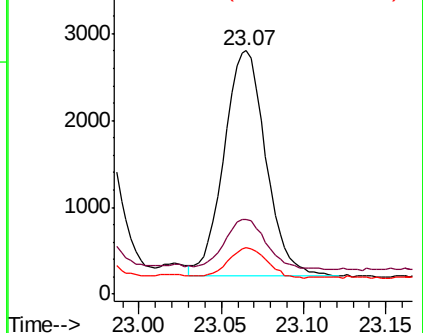
125 19.0 17.0 25.4

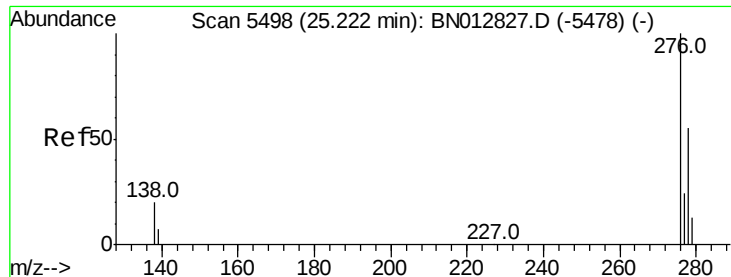


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



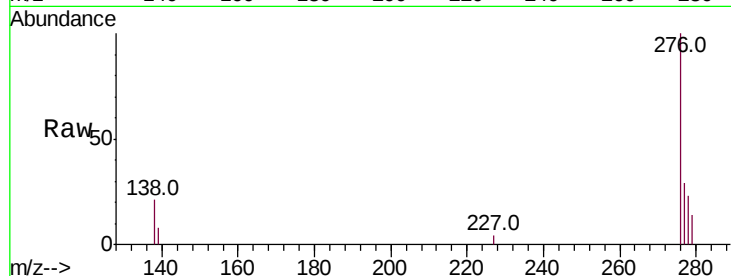


#24

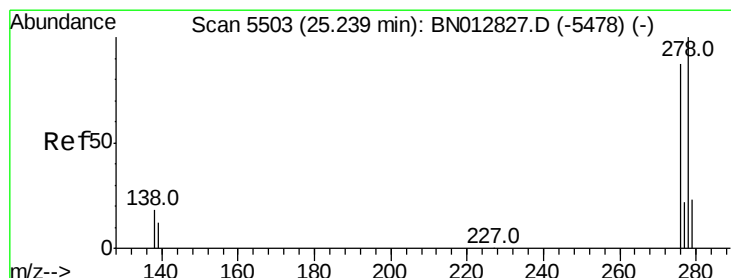
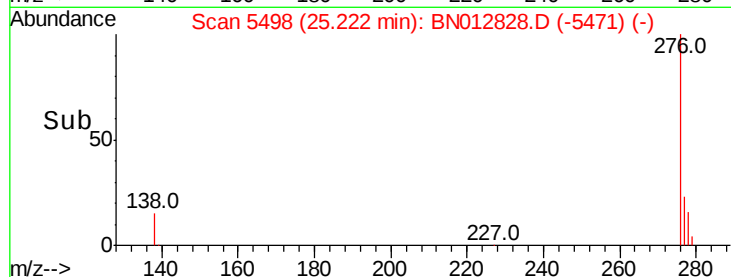
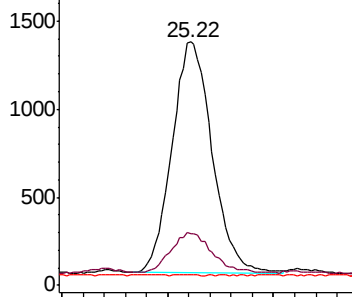
Indeno(1,2,3-cd)pyrene
Concen: 0.211 ng/ul
RT: 25.22 min Scan# 5498
Delta R.T. -0.01 min
Lab File: BN012828.D
Acq: 02 Dec 2020 20:45

Instrument :
BNA_N
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C0B48DL

Tot Ion:276 Resp: 3463
Ion Ratio Lower Upper
276 100
138 18.2 16.5 24.7
227 0.2 0.1 0.1#



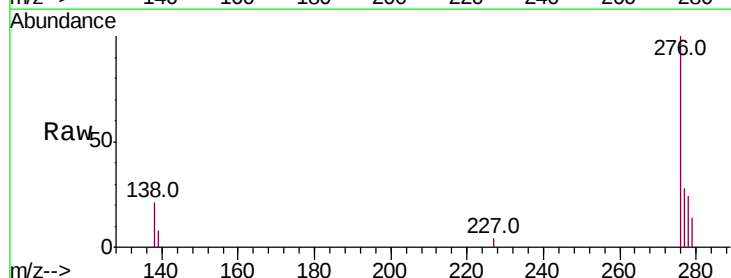
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



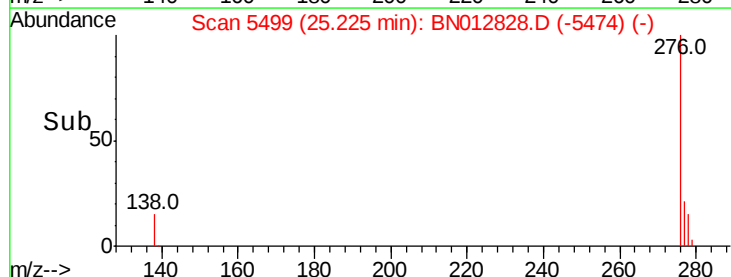
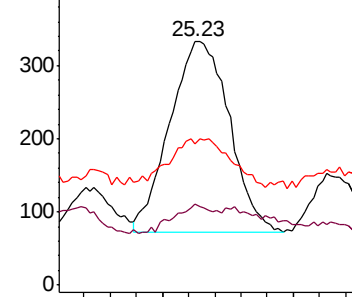
#25

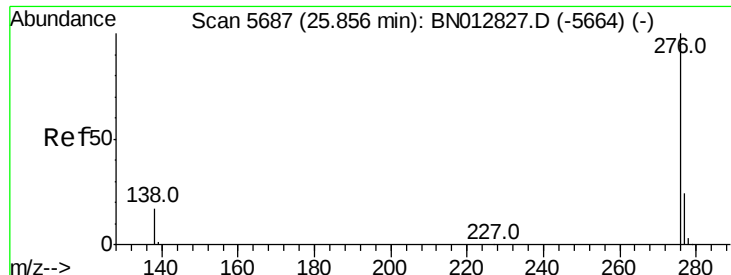
Dibenzo(a,h)anthracene
Concen: 0.063 ng/ul
RT: 25.23 min Scan# 5499
Delta R.T. -0.02 min
Lab File: BN012828.D
Acq: 02 Dec 2020 20:45

Tgt Ion:278 Resp: 826
Ion Ratio Lower Upper
278 100
139 33.3 13.8 20.8#
279 58.0 25.6 38.4#



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: 0.227 ng/ul

RT: 25.85 min Scan# 5686

Delta R.T. -0.01 min

Lab File: BN012828.D

Acq: 02 Dec 2020 20:45

Instrument :

BNA_N

ClientSampleId :

C0B48DL

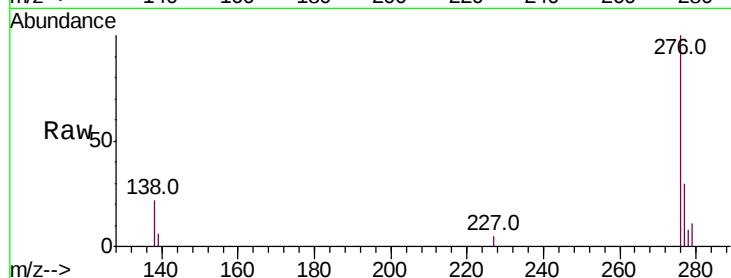
Tot Ion:276 Resp: 3353

Ion Ratio Lower Upper

276 100

138 22.2 16.3 24.5

277 29.5 21.8 32.8



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

