

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012840.D
 Acq On : 03 Dec 2020 03:57
 Operator : CG/JU
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.420

Quant Time: Dec 03 04:30:13 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	7.42	152	718	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	2822	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.07	164	1605	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.83	188	3261	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	3043	0.40	ng/ul	0.00
20) Perylene-d12	23.15	264	3115	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.78	152	1737	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.87	212	3283	0.38	ng/ul	0.00

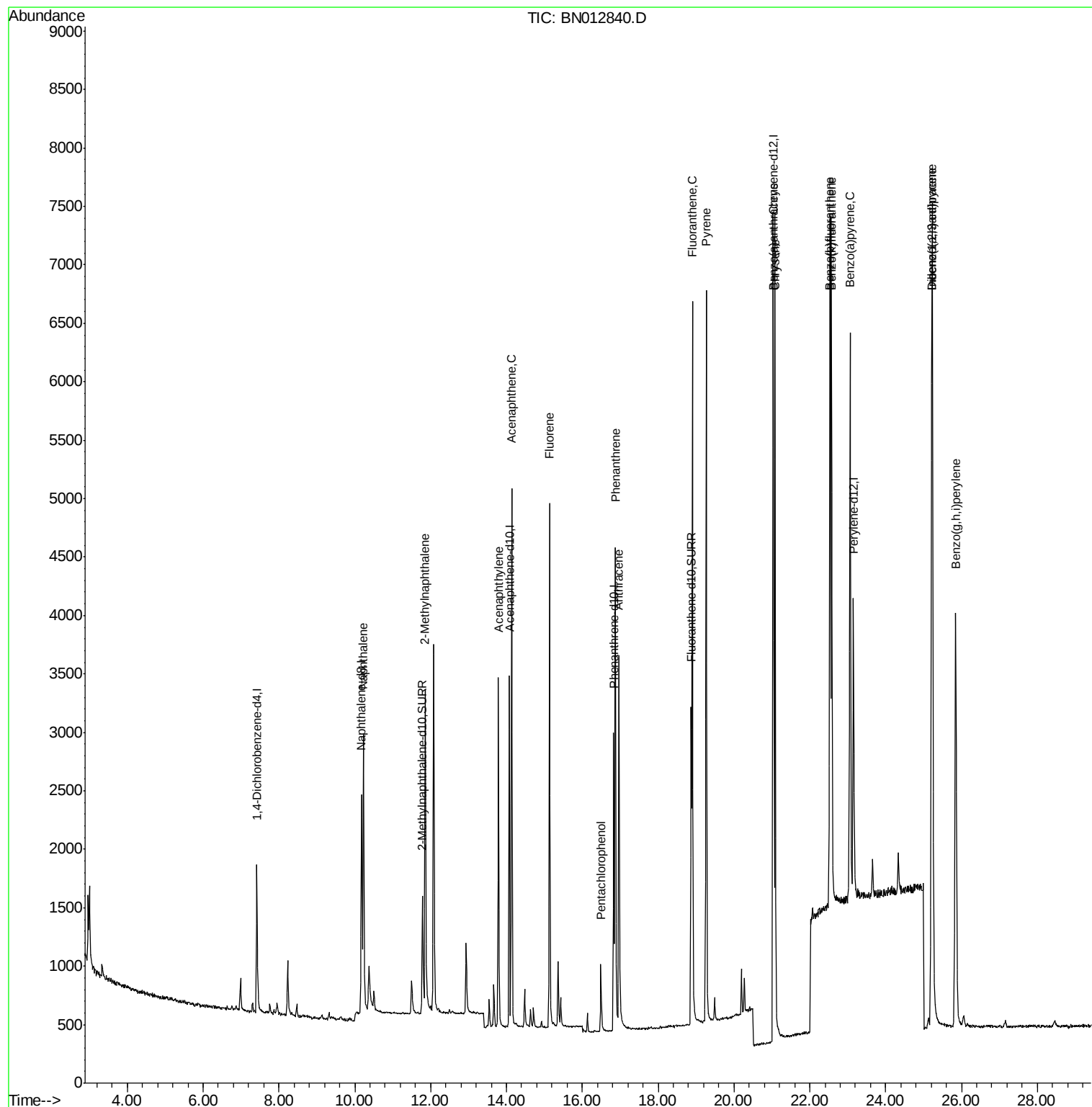
Target Compounds						Ovalue
3) Naphthalene	10.23	128	3588	0.422	ng/ul	99
5) 2-Methylnaphthalene	11.86	142	2466	0.455	ng/ul	99
7) Acenaphthylene	13.79	152	3527	0.451	ng/ul	99
8) Acenaphthene	14.14	153	2694	0.408	ng/ul	99
9) Fluorene	15.13	166	2981	0.411	ng/ul	99
11) Pentachlorophenol	16.49	266	473	0.457	ng/ul	96
12) Phenanthrene	16.87	178	4698	0.414	ng/ul	99
13) Anthracene	16.97	178	4228	0.429	ng/ul	97
15) Fluoranthene	18.90	202	5774	0.441	ng/ul	98
17) Pyrene	19.27	202	5923	0.435	ng/ul	100
18) Benzo(a)anthracene	21.03	228	5844	0.536	ng/ul	98
19) Chrysene	21.08	228	6809	0.500	ng/ul	99
21) Benzo(b)fluoranthene	22.53	252	6927	0.483	ng/ul	94
22) Benzo(k)fluoranthene	22.57	252	7693	0.466	ng/ul	94
23) Benzo(a)pyrene	23.06	252	6627	0.491	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.22	276	8768	0.497	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.23	278	6930	0.489	ng/ul	95
26) Benzo(g,h,i)perylene	25.85	276	7493	0.472	ng/ul	96

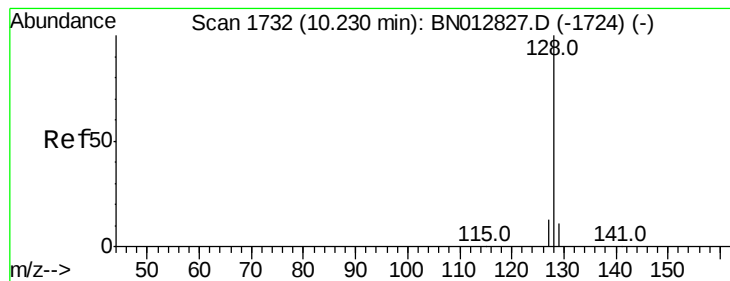
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 04:30:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
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#3

Naphthalene

Concen: 0.422 ng/ul

RT: 10.23 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

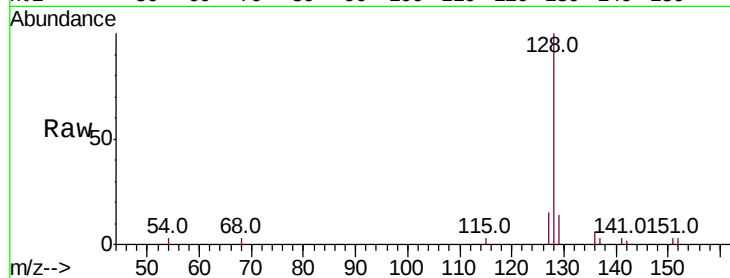
Tot Ion:128 Resp: 3588

Ion Ratio Lower Upper

128 100

129 13.5 11.2 16.8

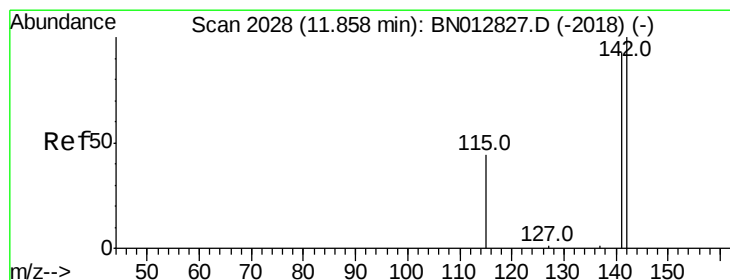
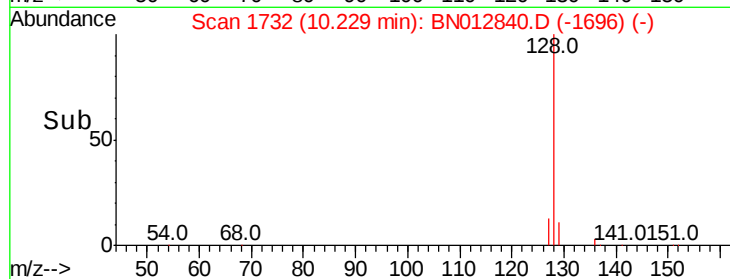
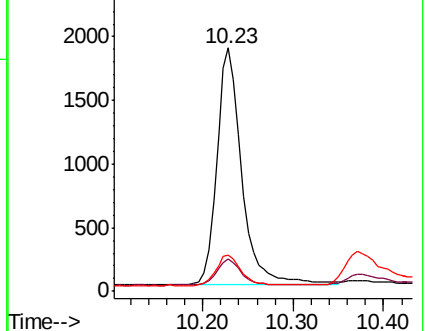
127 15.2 12.5 18.7



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: 0.455 ng/ul

RT: 11.86 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BN012840.D

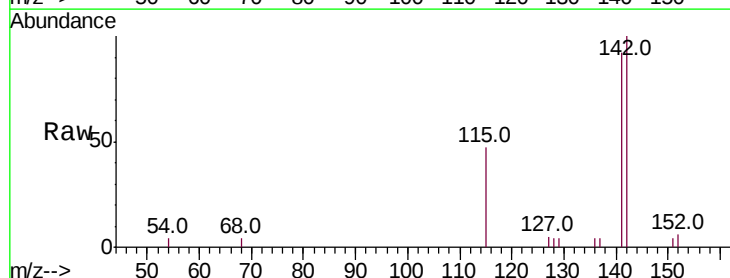
Acq: 03 Dec 2020 03:57

Tgt Ion:142 Resp: 2466

Ion Ratio Lower Upper

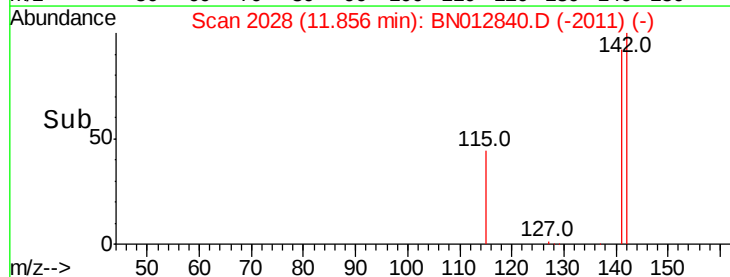
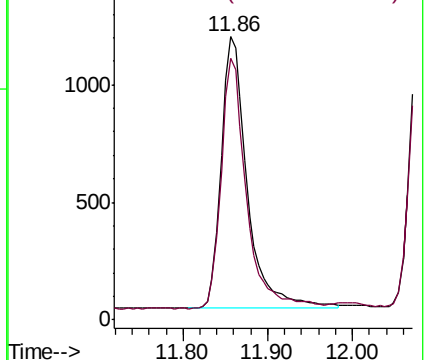
142 100

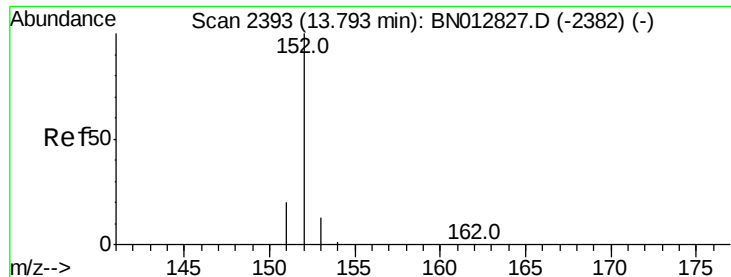
141 89.5 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.451 ng/ul

RT: 13.79 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

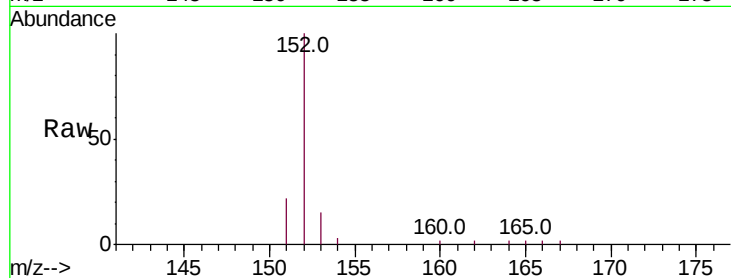
BNA_N

ClientSampleId :

SSTD0.420

Tot Ion:152 Resp: 3527

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.1	25.7
153	14.9	12.6	19.0

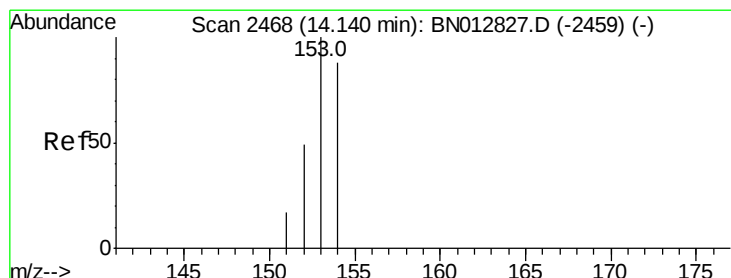
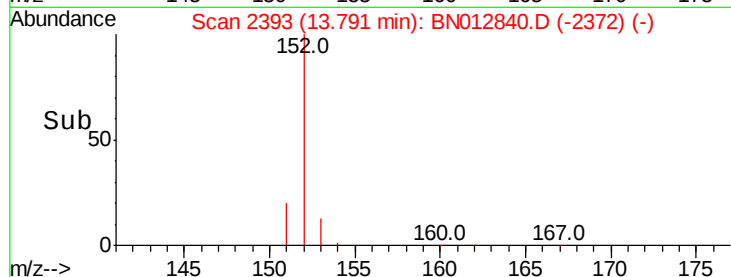
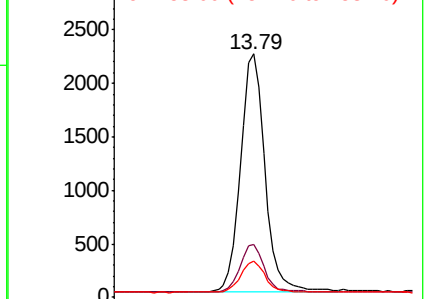


Abundance

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



#8

Acenaphthene

Concen: 0.408 ng/ul

RT: 14.14 min Scan# 2468

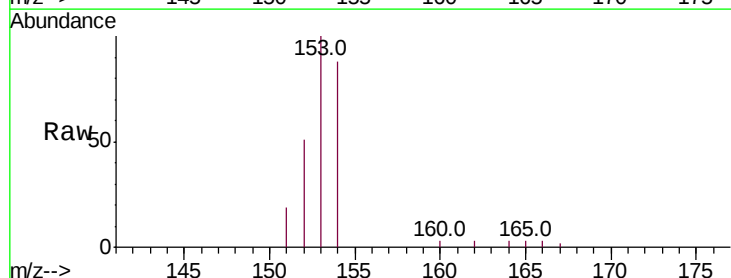
Delta R.T. -0.00 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Tgt Ion:153 Resp: 2694

Ion	Ratio	Lower	Upper
153	100		
152	50.6	41.4	62.0
154	88.4	70.9	106.3

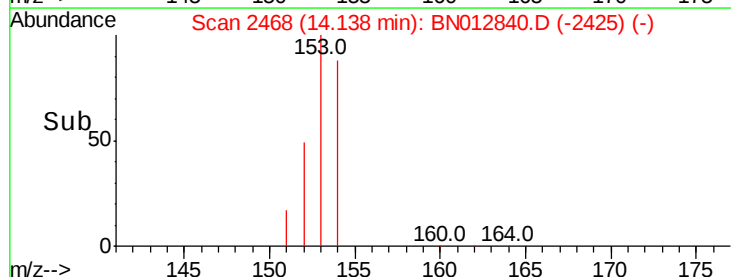
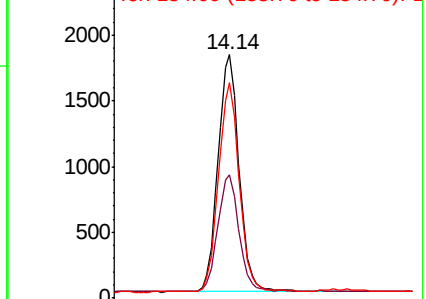


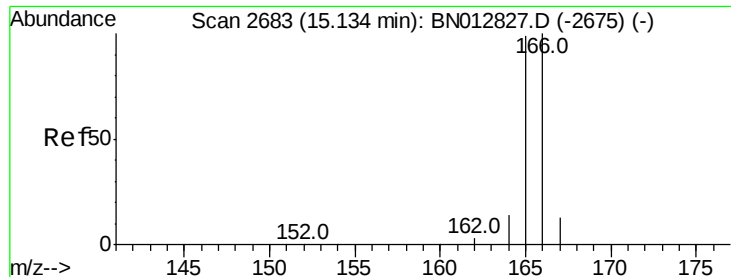
Abundance

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





#9

Fluorene

Concen: 0.411 ng/ul

RT: 15.13 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

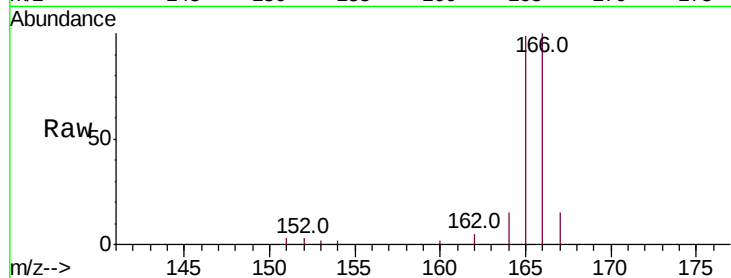
Tot Ion:166 Resp: 2981

Ion Ratio Lower Upper

166 100

165 98.7 78.5 117.7

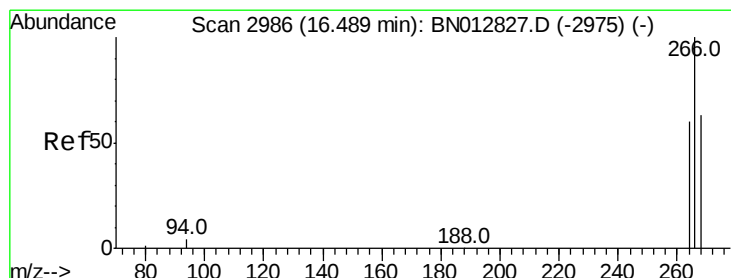
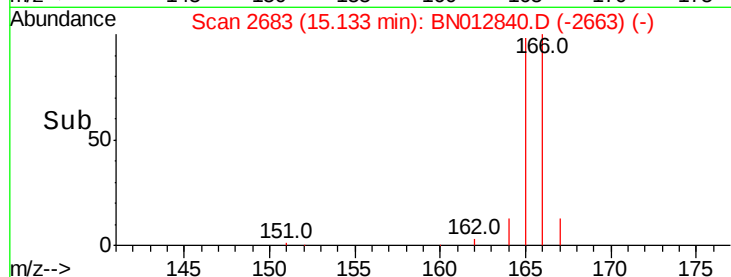
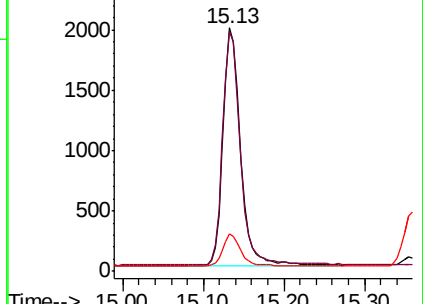
167 15.4 12.7 19.1



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



#11

Pentachlorophenol

Concen: 0.457 ng/ul

RT: 16.49 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

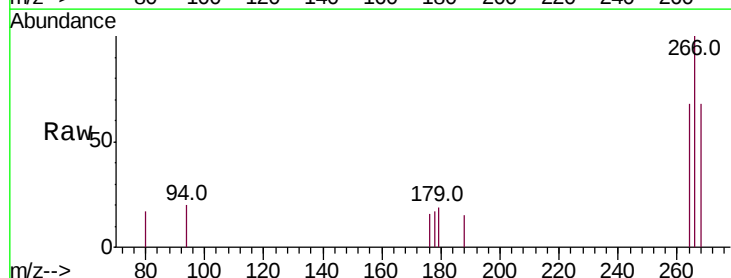
Tgt Ion:266 Resp: 473

Ion Ratio Lower Upper

266 100

264 59.2 51.0 76.6

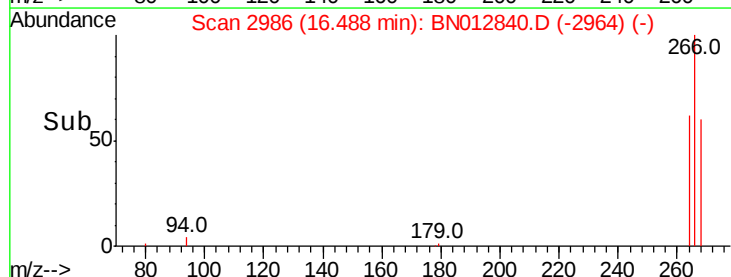
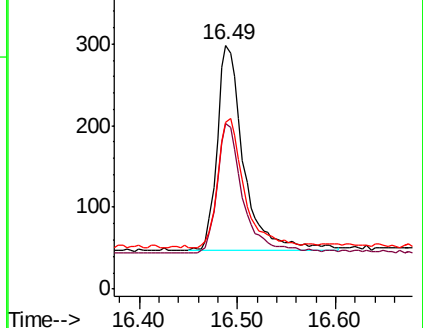
268 61.7 47.8 71.6

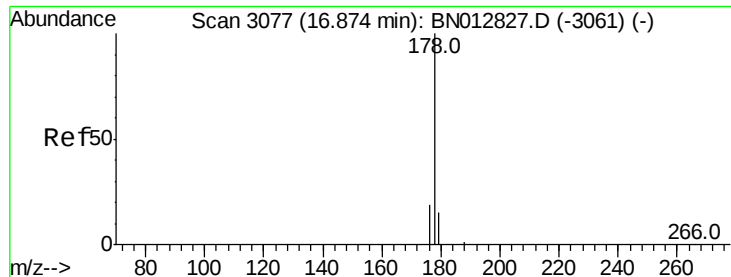


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.414 ng/ul

RT: 16.87 min Scan# 3077

Delta R.T. -0.00 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

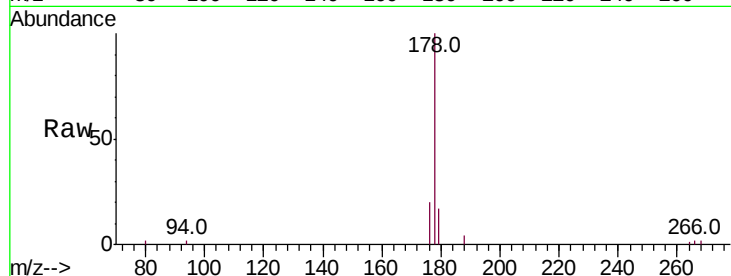
Tot Ion:178 Resp: 4698

Ion Ratio Lower Upper

178 100

179 16.7 13.8 20.6

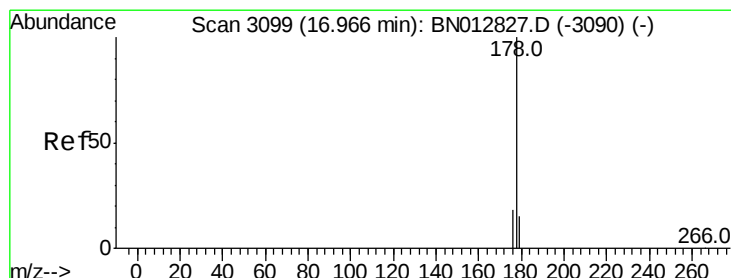
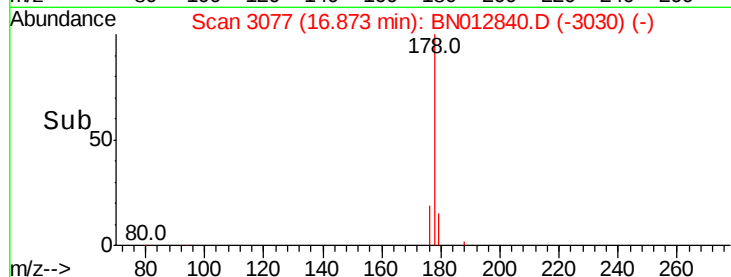
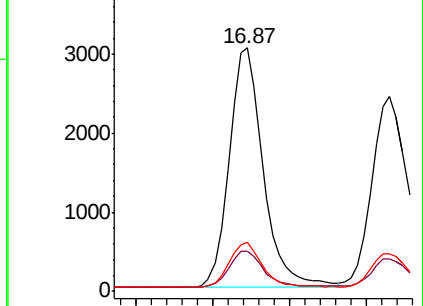
176 20.1 16.7 25.1



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



#13

Anthracene

Concen: 0.429 ng/ul

RT: 16.97 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

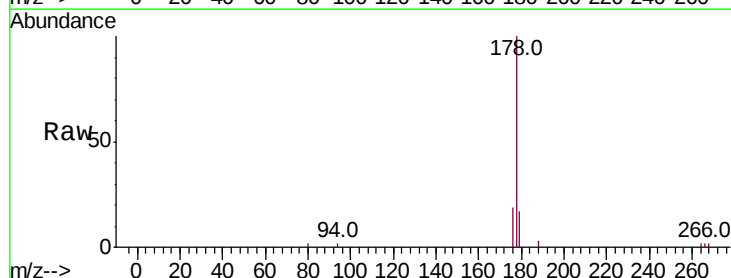
Tgt Ion:178 Resp: 4228

Ion Ratio Lower Upper

178 100

179 16.9 14.8 22.2

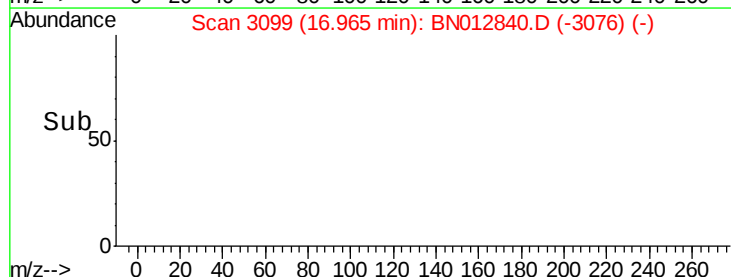
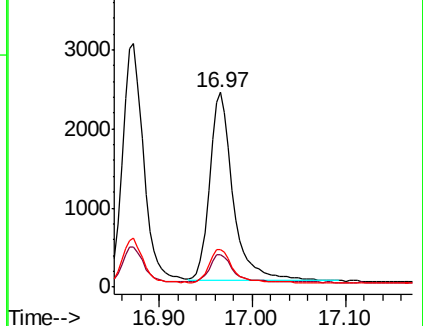
176 19.4 16.3 24.5

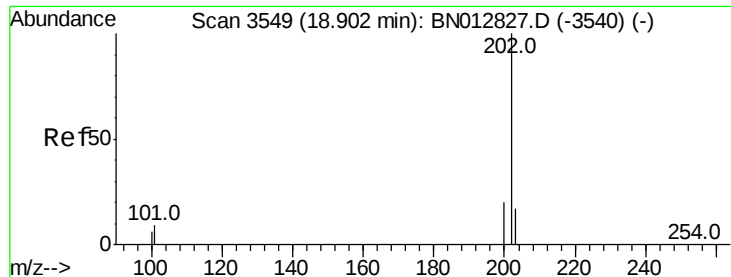


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

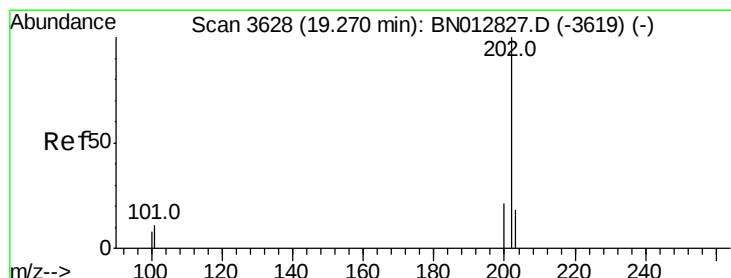
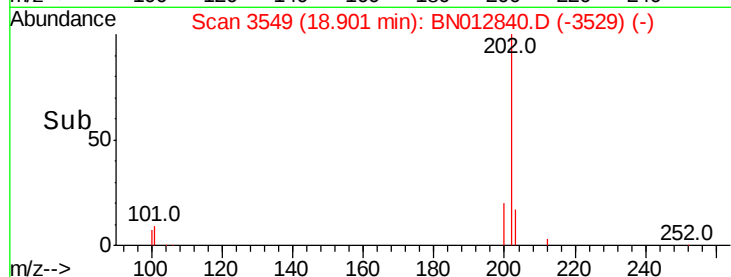
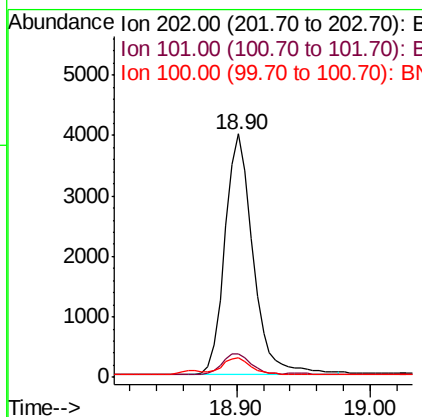
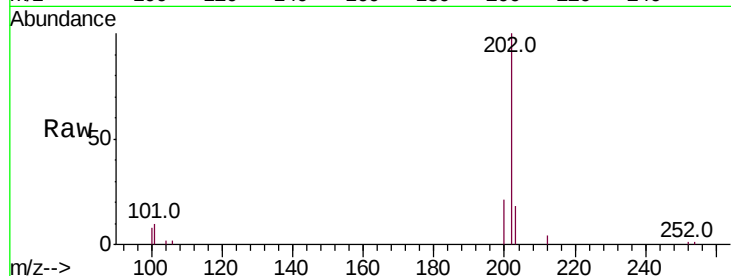




#15
 Fluoranthene
 Concen: 0.441 ng/ul
 RT: 18.90 min Scan# 3549
 Delta R.T. -0.01 min
 Lab File: BN012840.D
 Acq: 03 Dec 2020 03:57

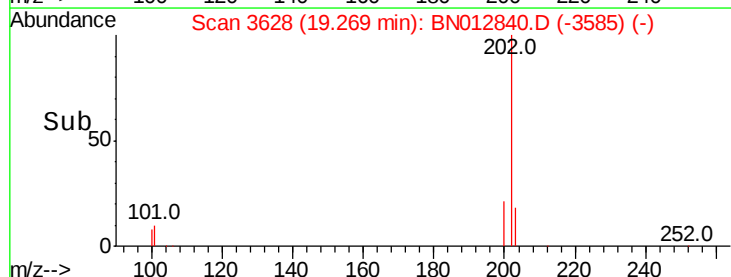
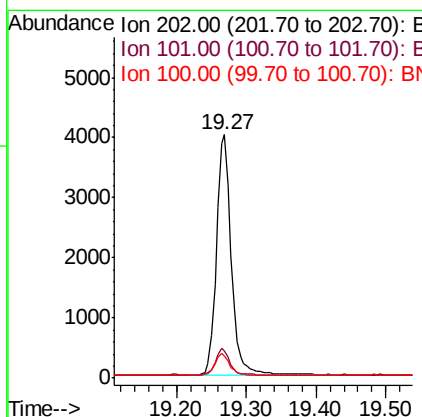
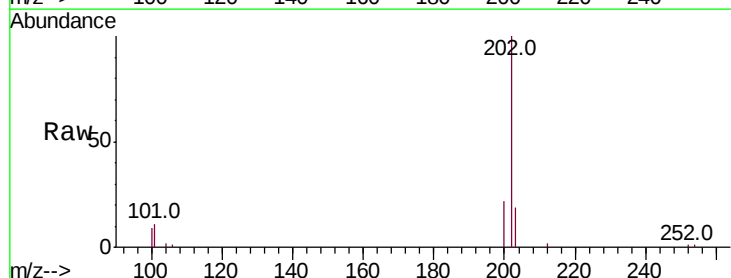
Instrument :
 BNA_N
 ClientSampleId :
 SST0.420

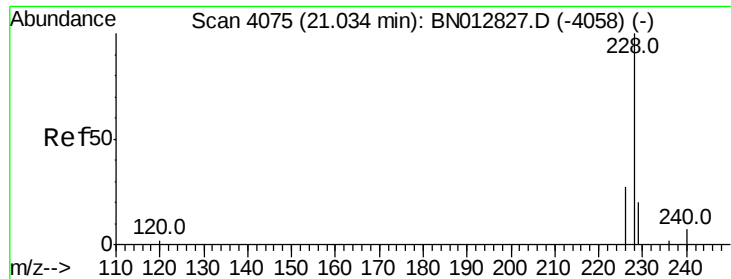
Tot Ion:202 Resp: 5774
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.5
 100 7.9 0.0 28.4



#17
 Pyrene
 Concen: 0.435 ng/ul
 RT: 19.27 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: BN012840.D
 Acq: 03 Dec 2020 03:57

Tgt Ion:202 Resp: 5923
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.9 13.3
 100 9.0 7.4 11.2





#18

Benzo(a)anthracene

Concen: 0.536 ng/ul

RT: 21.03 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

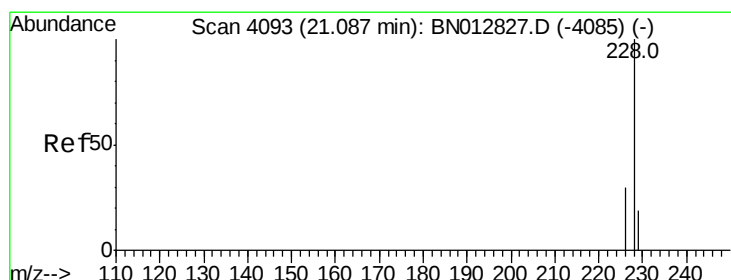
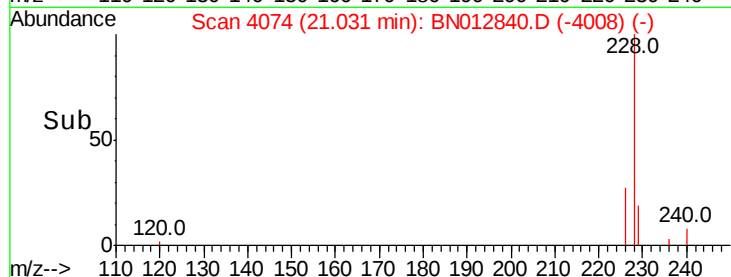
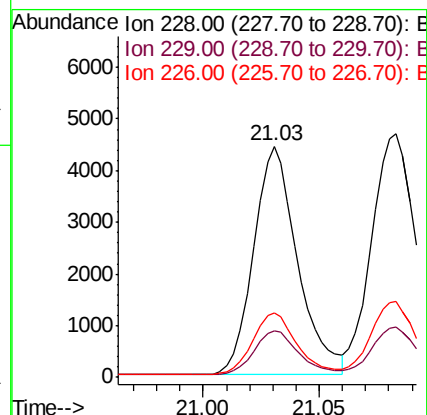
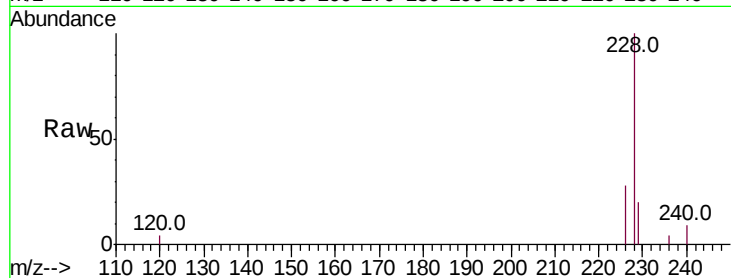
Tot Ion:228 Resp: 5844

Ion Ratio Lower Upper

228 100

229 20.2 16.9 25.3

226 27.8 23.1 34.7



#19

Chrysene

Concen: 0.500 ng/ul

RT: 21.08 min Scan# 4092

Delta R.T. -0.00 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

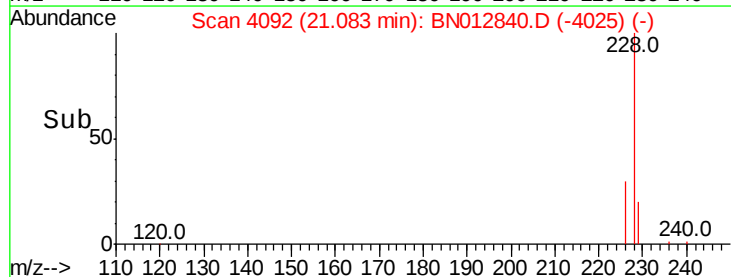
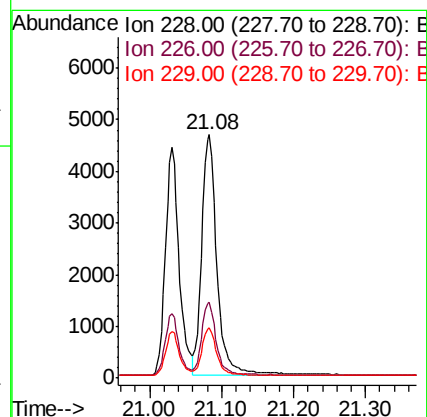
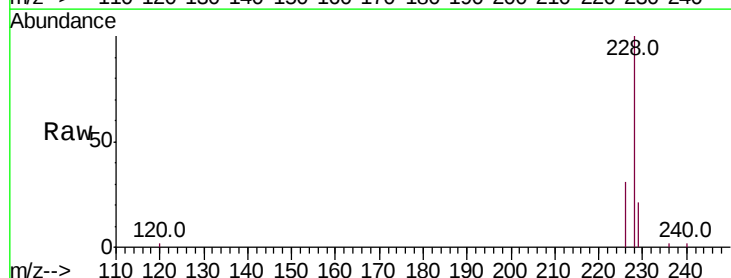
Tgt Ion:228 Resp: 6809

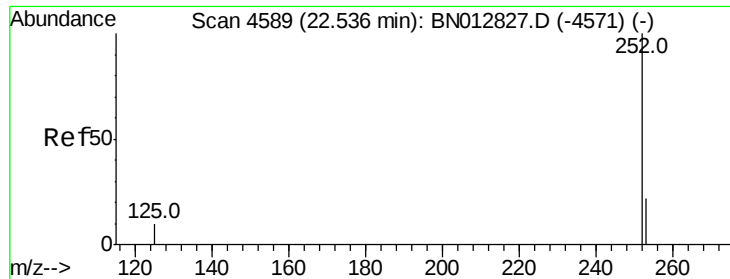
Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 20.7 16.1 24.1





#21

Benzo(b)fluoranthene

Concen: 0.483 ng/ul

RT: 22.53 min Scan# 4587

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

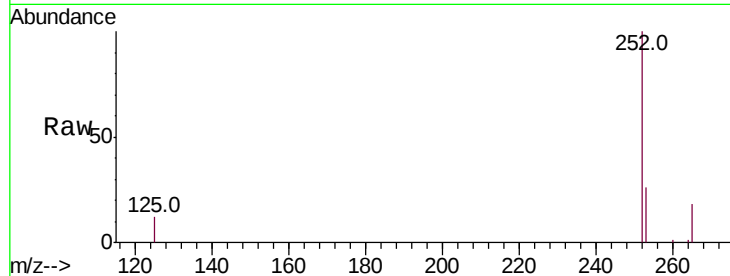
Tot Ion:252 Resp: 6927

Ion Ratio Lower Upper

252 100

253 25.6 0.0 58.4

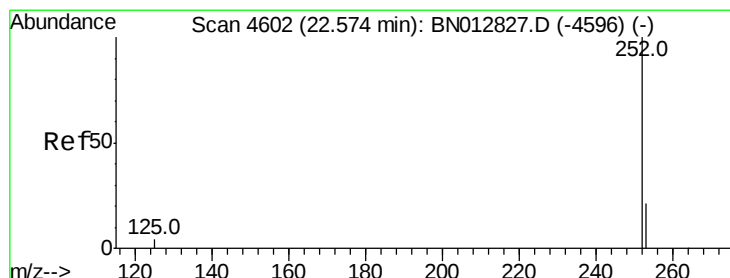
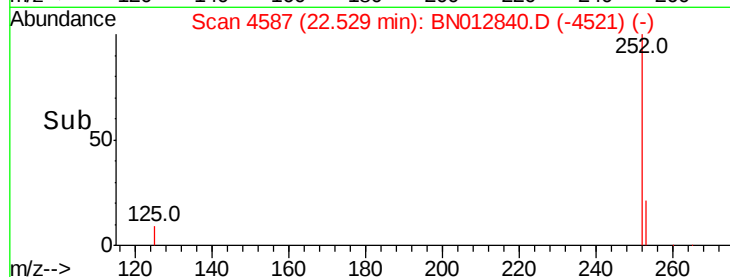
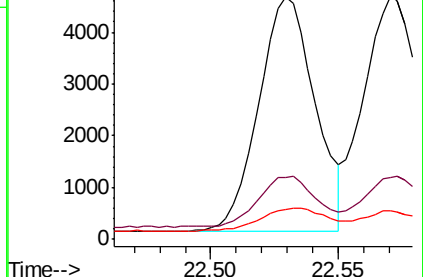
125 12.5 0.0 28.6



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: 0.466 ng/ul

RT: 22.57 min Scan# 4601

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

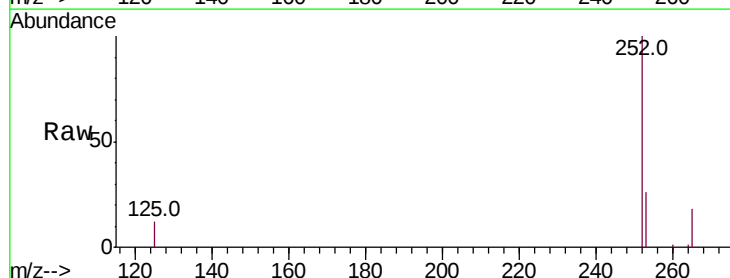
Tgt Ion:252 Resp: 7693

Ion Ratio Lower Upper

252 100

253 25.6 23.4 35.2

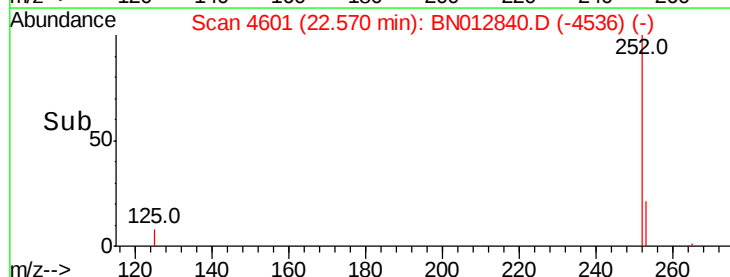
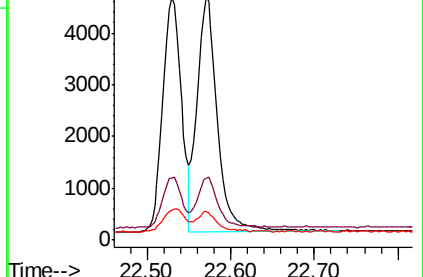
125 11.5 10.2 15.2

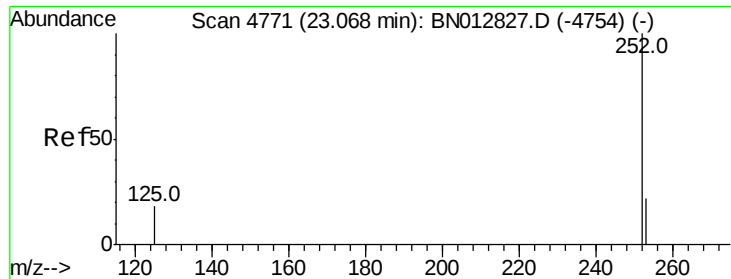


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.491 ng/ul

RT: 23.06 min Scan# 4769

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

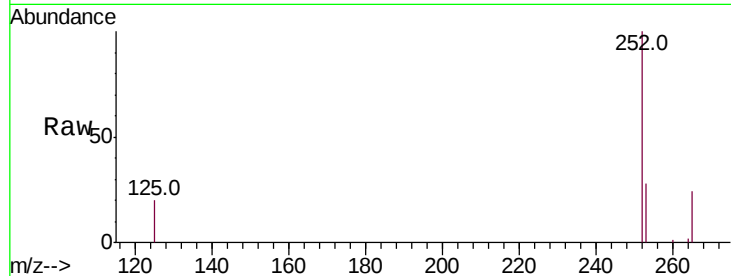
Tot Ion:252 Resp: 6627

Ion Ratio Lower Upper

252 100

253 27.7 27.6 41.4

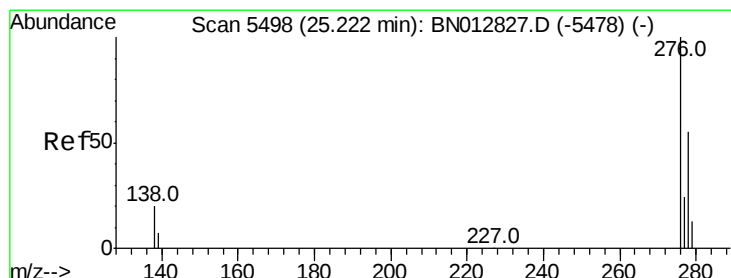
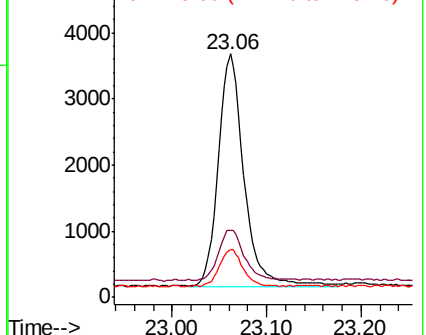
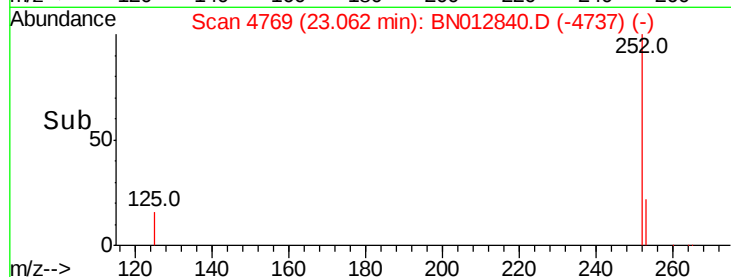
125 19.8 17.0 25.4



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: 0.497 ng/ul

RT: 25.22 min Scan# 5497

Delta R.T. -0.01 min

Lab File: BN012840.D

Acq: 03 Dec 2020 03:57

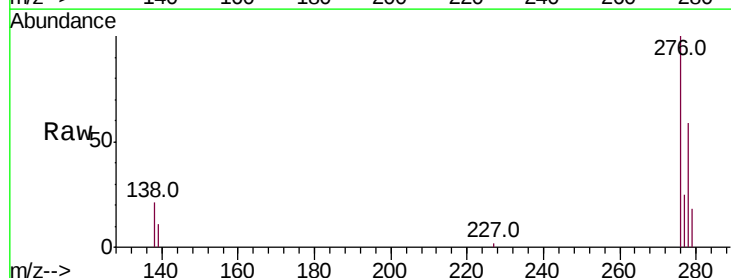
Tgt Ion:276 Resp: 8768

Ion Ratio Lower Upper

276 100

138 19.8 16.5 24.7

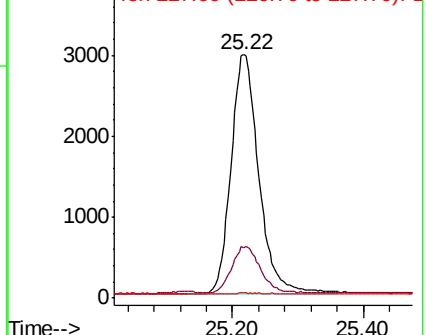
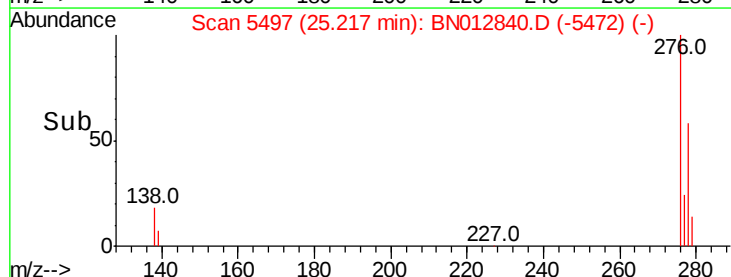
227 0.2 0.1 0.1#

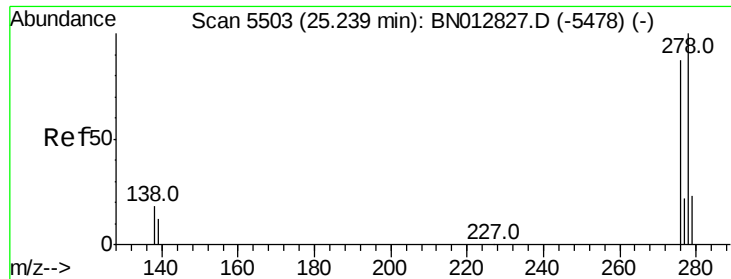


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

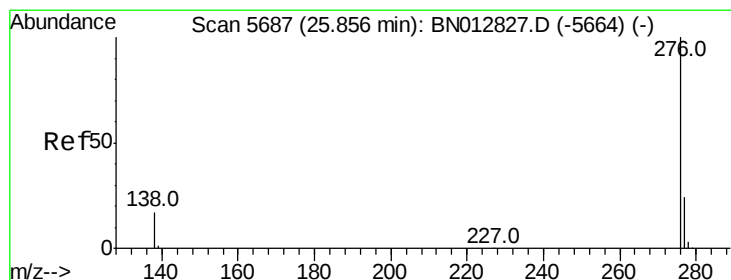
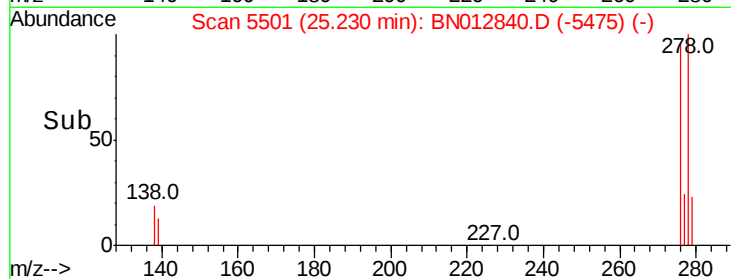
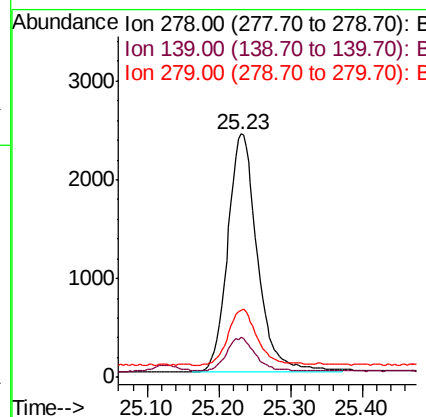
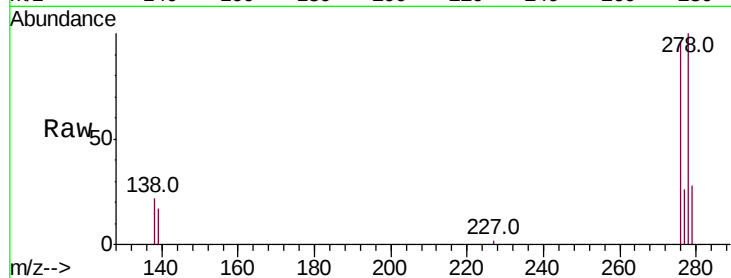




#25
Dibenzo(a,h)anthracene
Concen: 0.489 ng/u1
RT: 25.23 min Scan# 5501
Delta R.T. -0.01 min
Lab File: BN012840.D
Acq: 03 Dec 2020 03:57

Instrument :
BNA_N
ClientSampleId :
SSTD0.420

Tot Ion:278 Resp: 6930
Ion Ratio Lower Upper
278 100
139 16.7 13.8 20.8
279 27.8 25.6 38.4



#26
Benzo(g,h,i)perylene
Concen: 0.472 ng/u1
RT: 25.85 min Scan# 5685
Delta R.T. -0.01 min
Lab File: BN012840.D
Acq: 03 Dec 2020 03:57

Tgt Ion:276 Resp: 7493
Ion Ratio Lower Upper
276 100
138 18.5 16.3 24.5
277 25.3 21.8 32.8

