

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012946.D
 Acq On : 07 Dec 2020 19:19
 Operator : CG/JU
 Sample : L4859-03DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B93DL

Quant Time: Dec 08 00:16:48 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 : Tue Dec 08 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	877	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	3573	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2024	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4245	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3596	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	3640	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	425	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.86	212	986	0.09	ng/ul	0.00

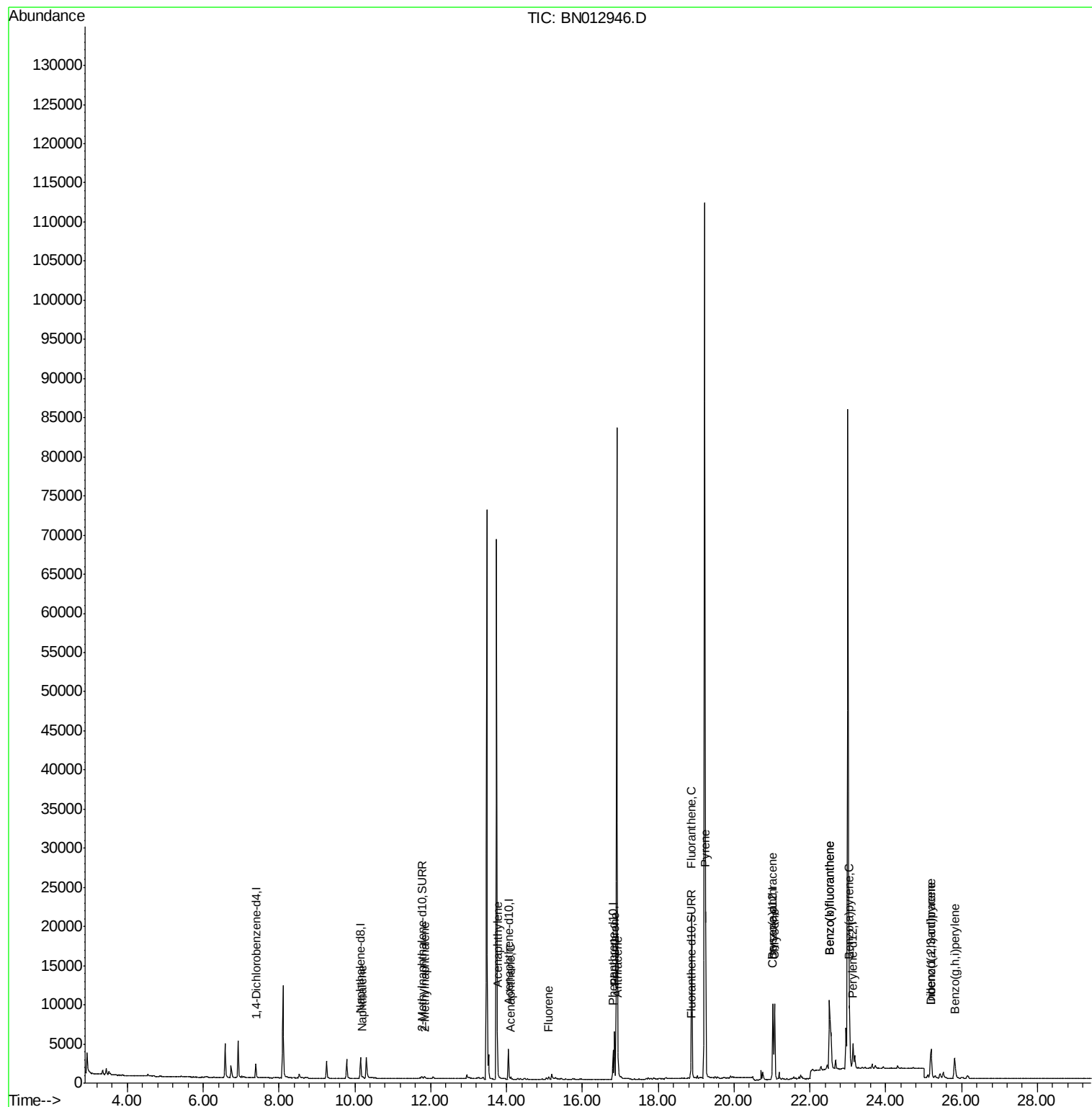
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	299	0.029	ng/ul#	65
5) 2-Methylnaphthalene	11.84	142	169	0.025	ng/ul	96
7) Acenaphthylene	13.77	152	433	0.045	ng/ul#	79
8) Acenaphthene	14.12	153	179	0.023	ng/ul#	91
9) Fluorene	15.11	166	215	0.024	ng/ul#	92
12) Phenanthrene	16.85	178	6376	0.448	ng/ul	99
13) Anthracene	16.94	178	1053	0.087	ng/ul#	91
15) Fluoranthene	18.88	202	18041	1.067	ng/ul	98
17) Pyrene	19.25	202	17146	1.009	ng/ul	99
18) Benzo(a)anthracene	21.02	228	7661	0.515	ng/ul	99
19) Chrysene	21.07	228	9687	0.589	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	18490	1.098	ng/ul	95
22) Benzo(k)fluoranthene	22.52	252	18490	0.993	ng/ul	96
23) Benzo(a)pyrene	23.04	252	8468	0.542	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.19	276	5711	0.278	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.19	278	1348	0.083	ng/ul#	75
26) Benzo(a,h,i)perylene	25.82	276	5191	0.280	ng/ul	99

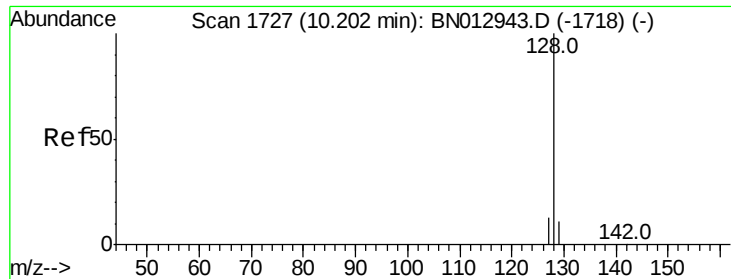
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.029 ng/ul

RT: 10.20 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

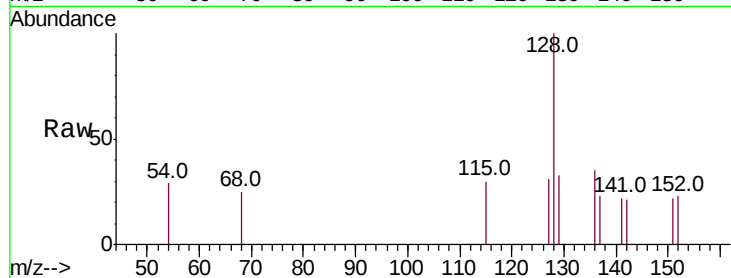
Tot Ion:128 Resp: 299

Ion Ratio Lower Upper

128 100

129 33.0 12.3 18.5#

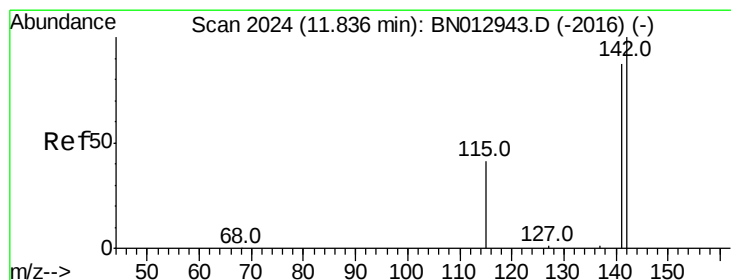
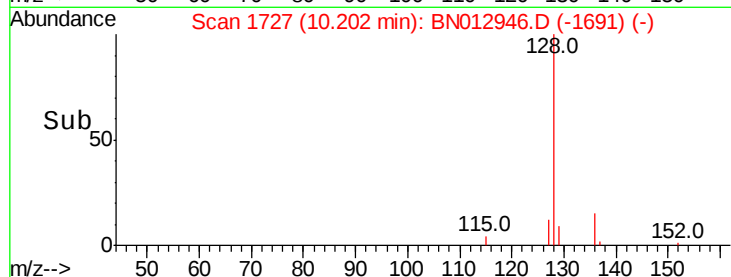
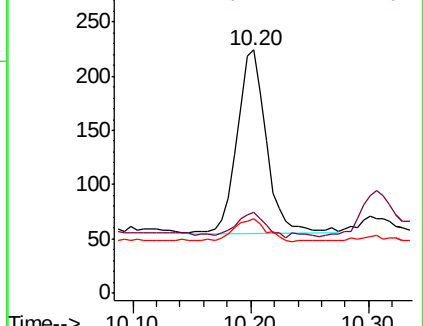
127 30.8 14.2 21.4#



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: 0.025 ng/ul

RT: 11.84 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BN012946.D

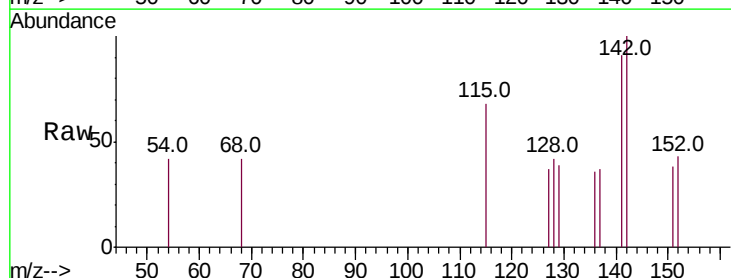
Acq: 07 Dec 2020 19:19

Tgt Ion:142 Resp: 169

Ion Ratio Lower Upper

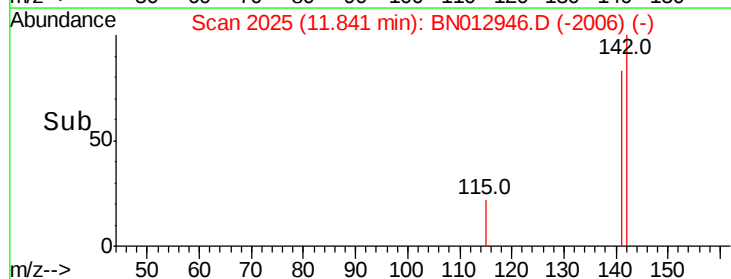
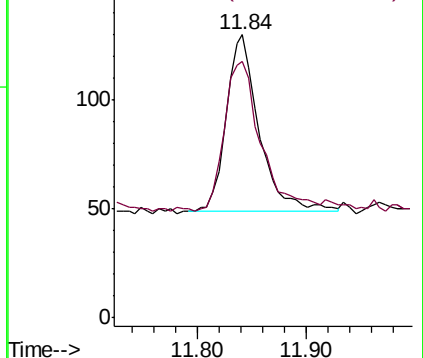
142 100

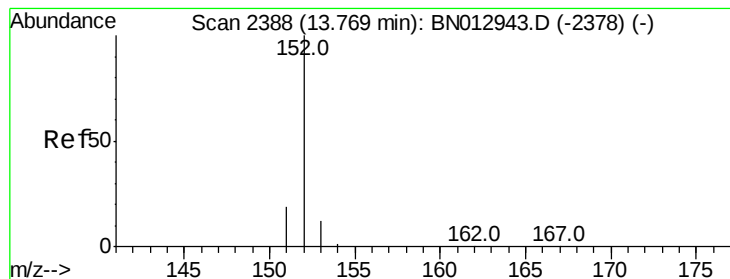
141 95.3 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.045 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

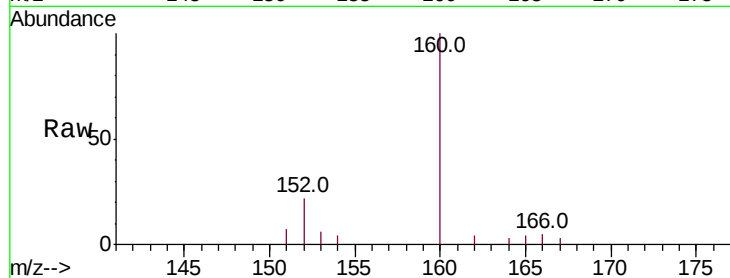
Tot Ion:152 Resp: 433

Ion Ratio Lower Upper

152 100

151 30.9 18.2 27.4#

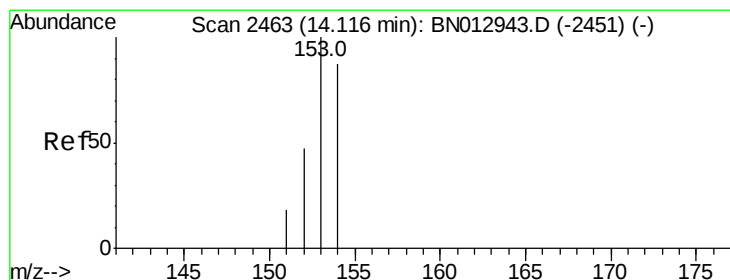
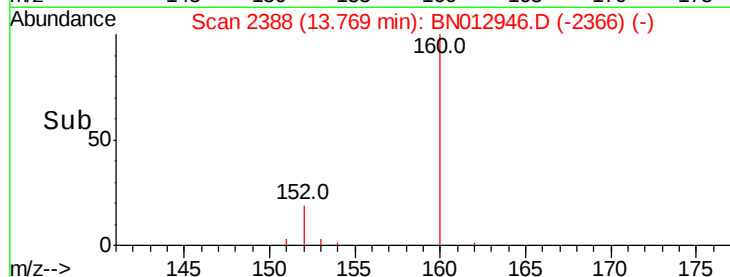
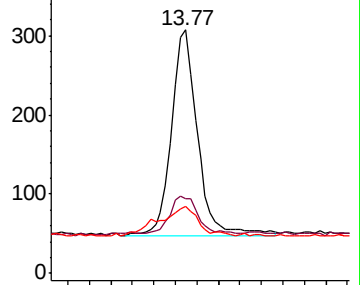
153 27.7 13.1 19.7#



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



#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.12 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

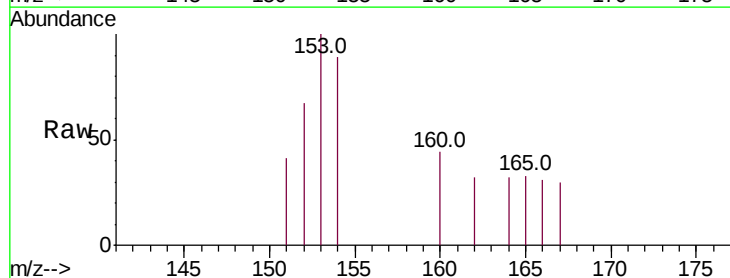
Tgt Ion:153 Resp: 179

Ion Ratio Lower Upper

153 100

152 66.7 40.7 61.1#

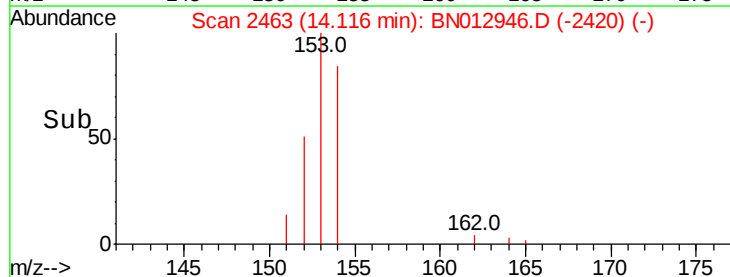
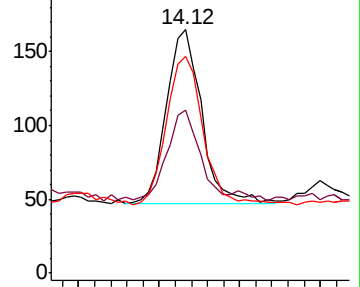
154 89.1 70.8 106.2

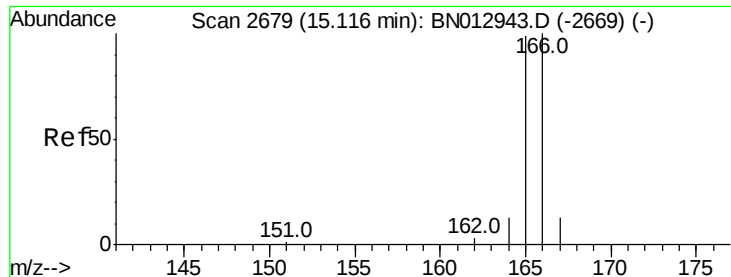


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.024 ng/ul

RT: 15.11 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

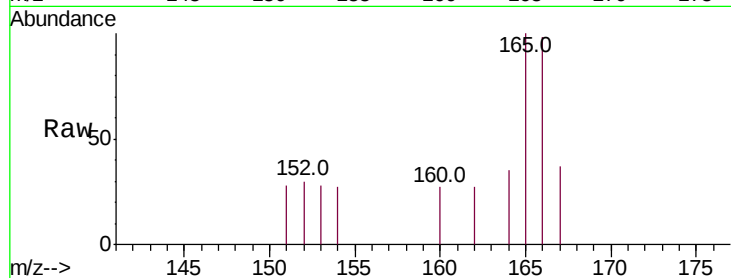
Tot Ion:166 Resp: 215

Ion Ratio Lower Upper

166 100

165 101.6 79.8 119.8

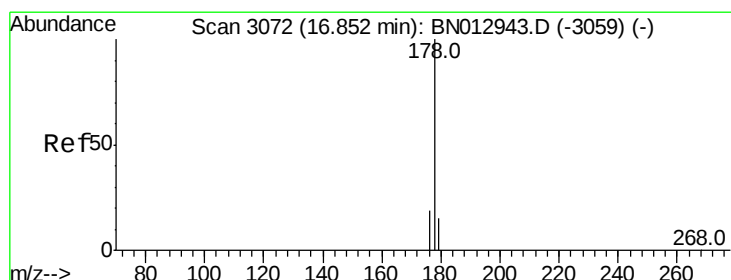
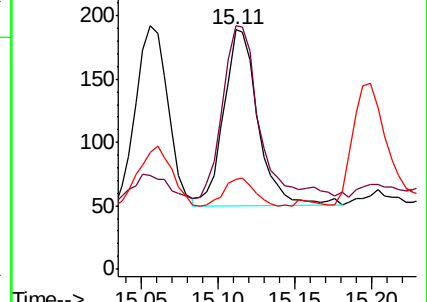
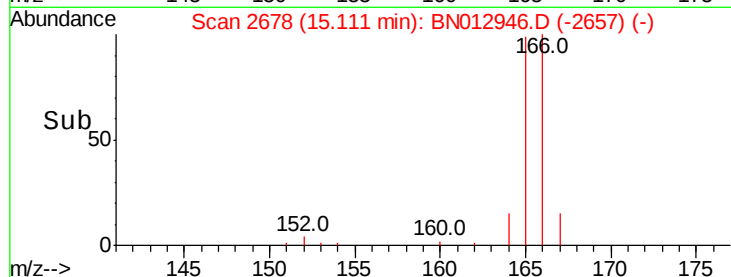
167 37.6 13.8 20.8#



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: 0.448 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

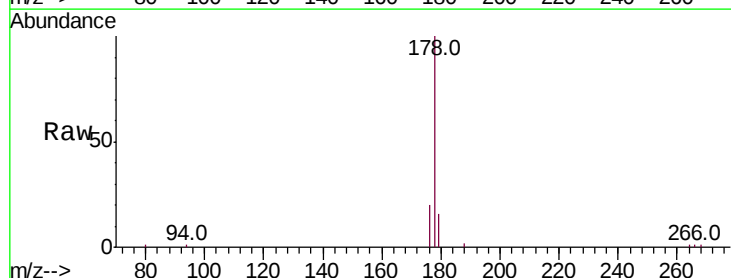
Tgt Ion:178 Resp: 6376

Ion Ratio Lower Upper

178 100

179 16.3 13.6 20.4

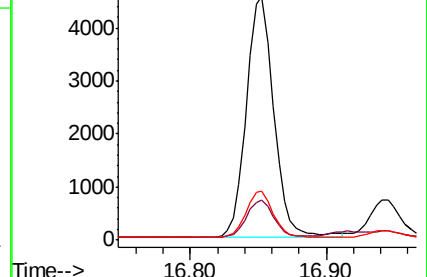
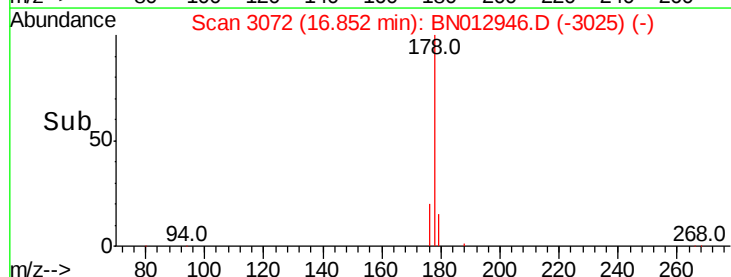
176 20.4 16.4 24.6

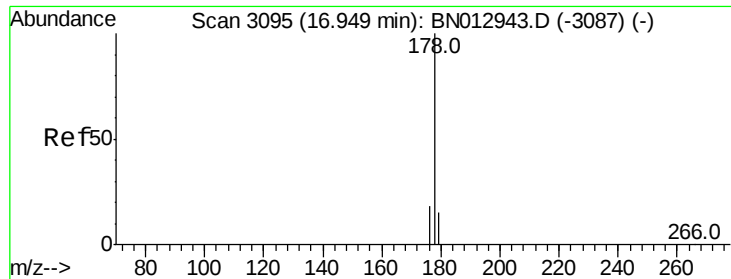


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.087 ng/ul

RT: 16.94 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

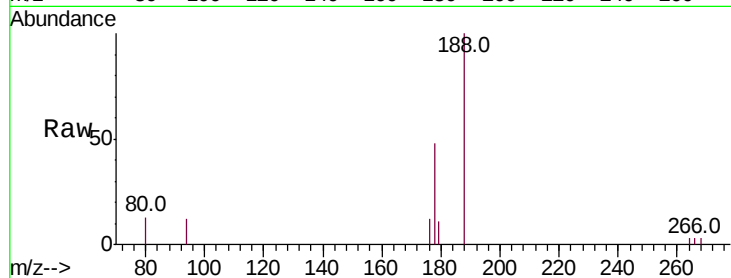
Tot Ion:178 Resp: 1053

Ion Ratio Lower Upper

178 100

179 23.5 14.6 21.8#

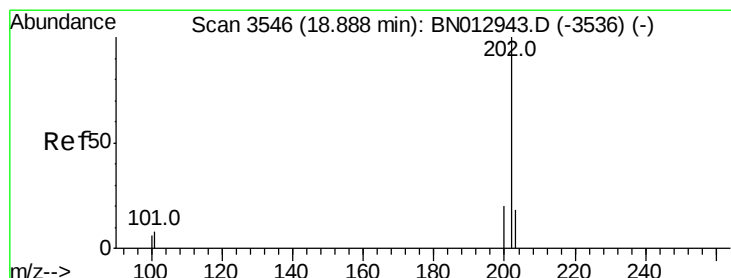
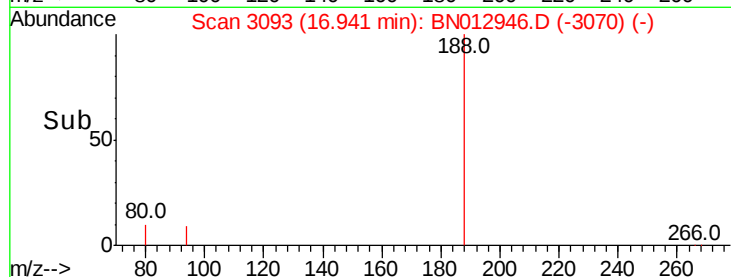
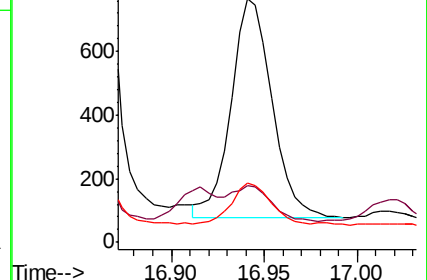
176 24.2 17.1 25.7



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: 1.067 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

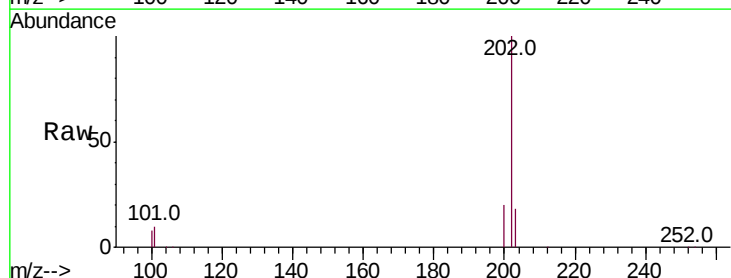
Tgt Ion:202 Resp: 18041

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.6

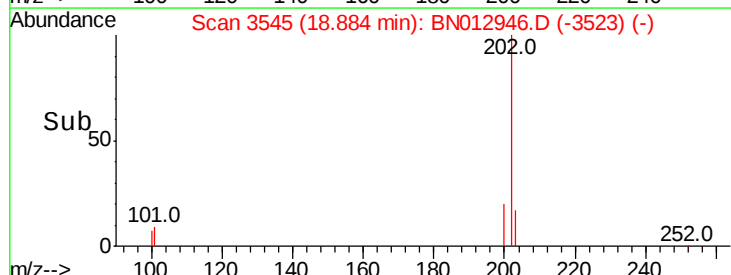
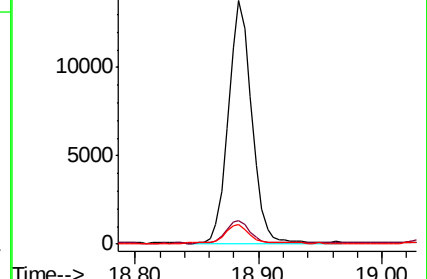
100 7.8 0.0 28.7

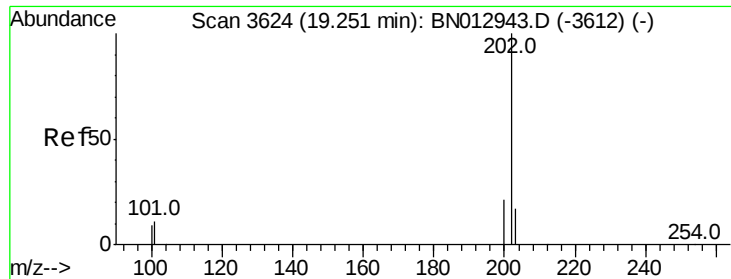


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

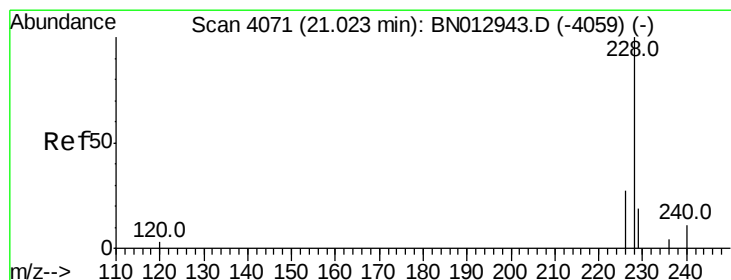
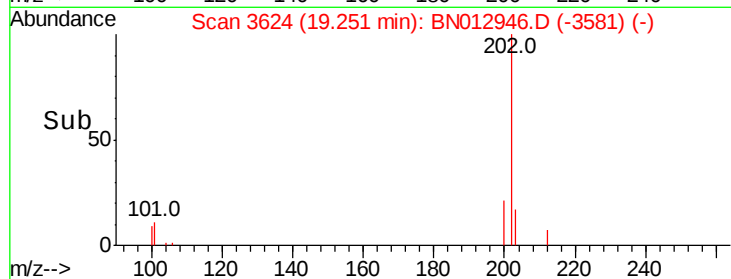
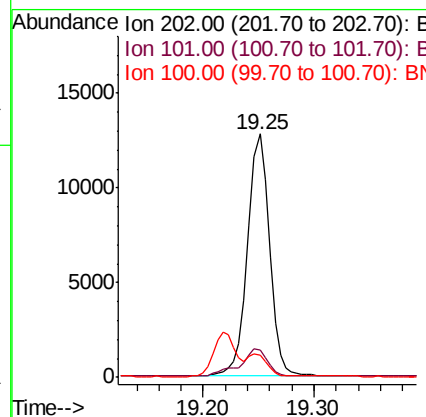
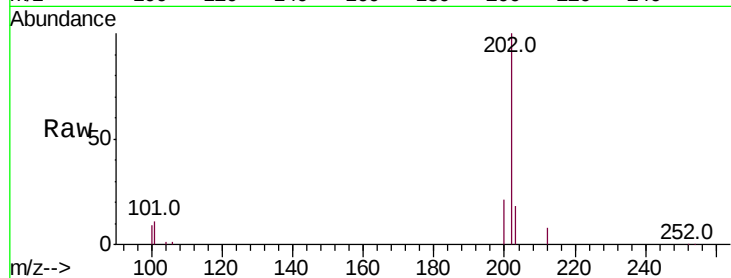




#17
Pvrene
Concen: 1.009 ng/ul
RT: 19.25 min Scan# 3624
Delta R.T. 0.00 min
Lab File: BN012946.D
Acq: 07 Dec 2020 19:19

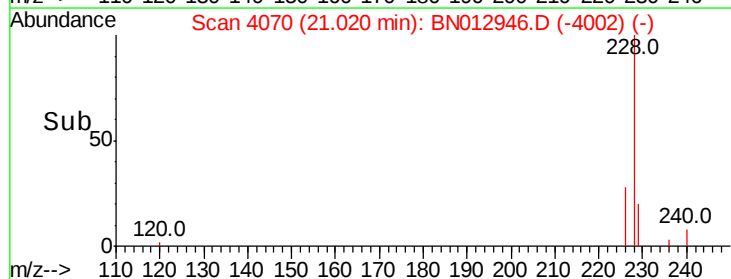
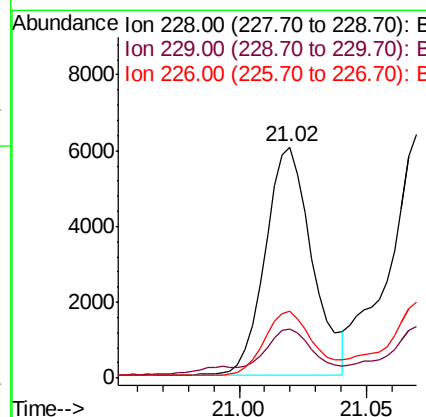
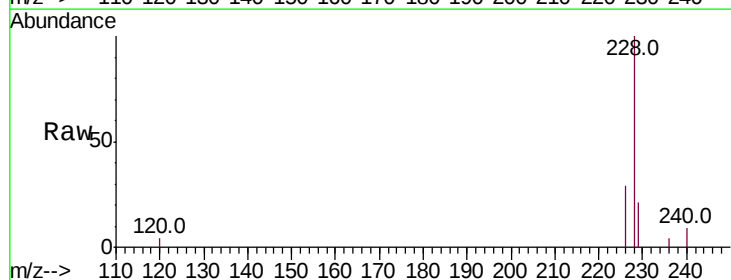
Instrument :
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C0B93DL

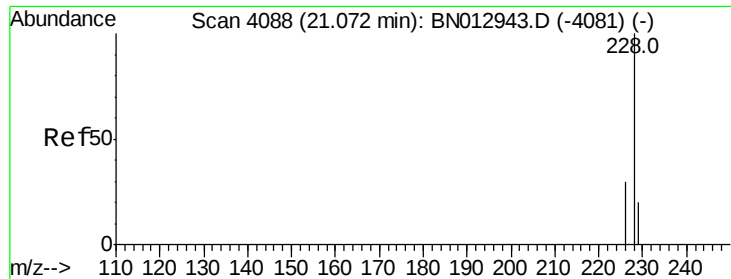
Tot Ion:202 Resp: 17146
Ion Ratio Lower Upper
202 100
101 11.1 9.1 13.7
100 9.2 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.515 ng/ul
RT: 21.02 min Scan# 4070
Delta R.T. 0.00 min
Lab File: BN012946.D
Acq: 07 Dec 2020 19:19

Tgt Ion:228 Resp: 7661
Ion Ratio Lower Upper
228 100
229 21.0 16.3 24.5
226 28.8 23.4 35.2





#19

Chrysene

Concen: 0.589 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

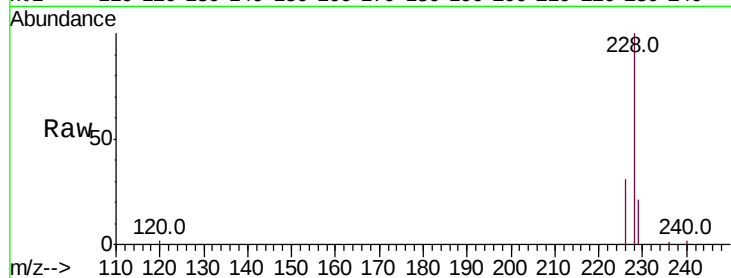
Tot Ion:228 Resp: 9687

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

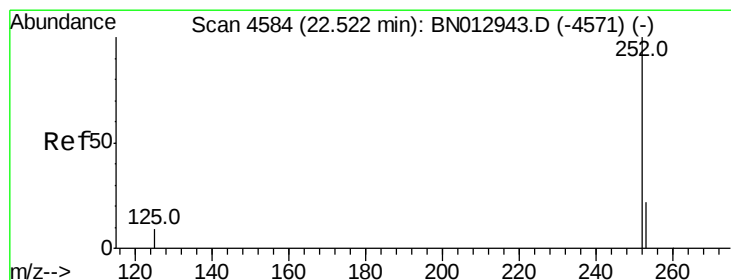
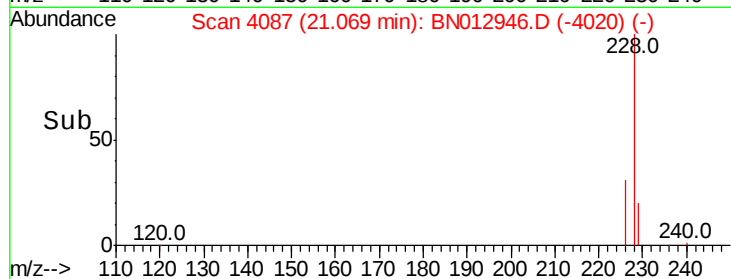
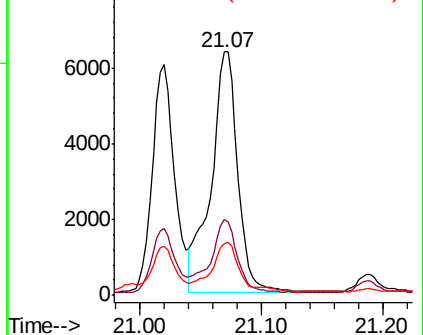
229 21.4 16.4 24.6



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: 1.098 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

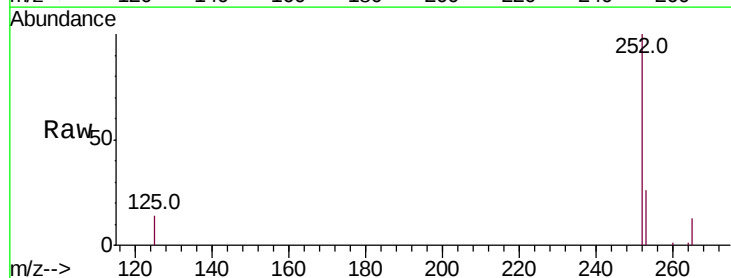
Tgt Ion:252 Resp: 18490

Ion Ratio Lower Upper

252 100

253 26.3 0.0 59.6

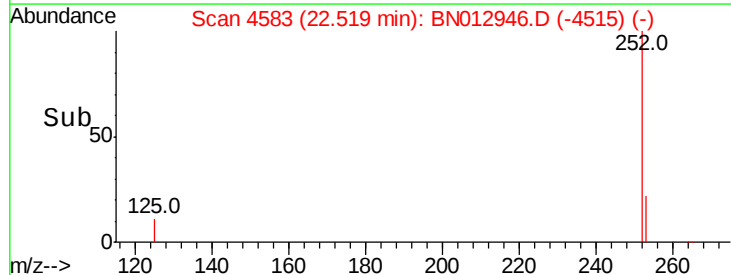
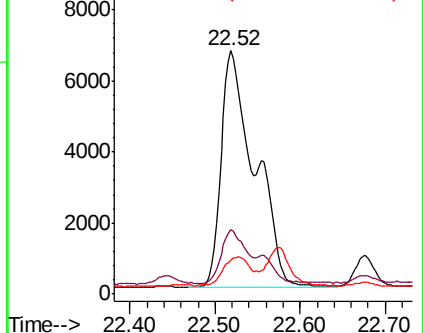
125 13.7 0.0 26.0

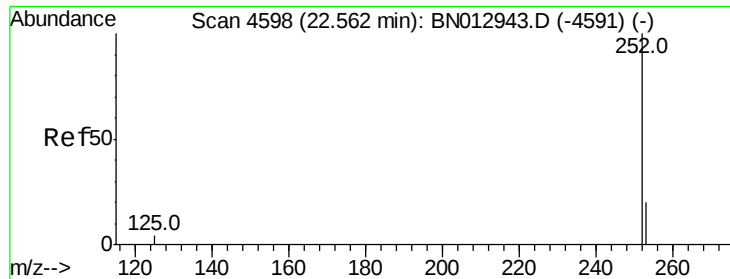


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.993 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.04 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

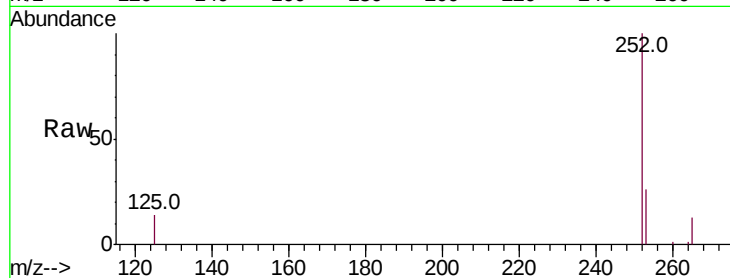
Tot Ion:252 Resp: 18490

Ion Ratio Lower Upper

252 100

253 26.3 23.4 35.2

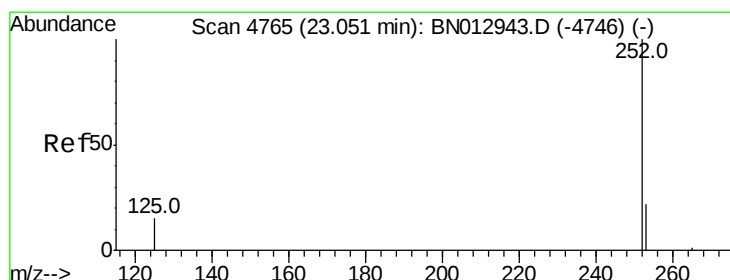
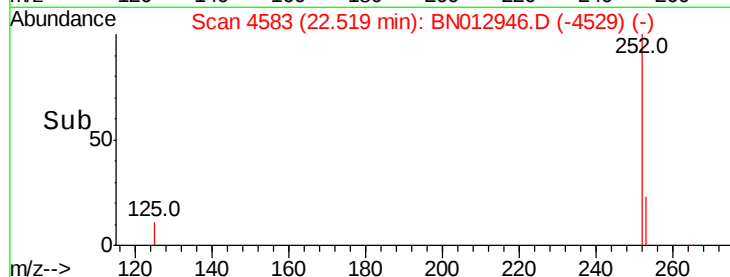
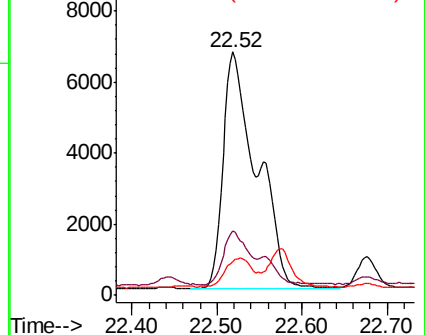
125 13.7 11.1 16.7



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: 0.542 ng/ul

RT: 23.04 min Scan# 4763

Delta R.T. 0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

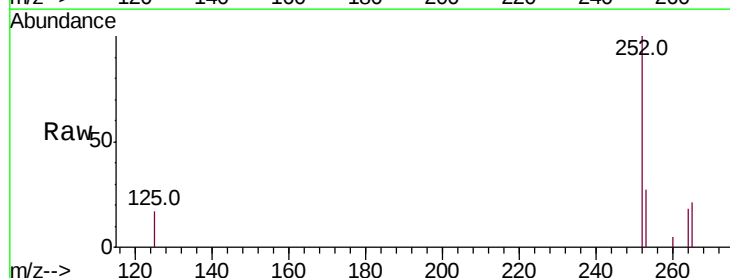
Tgt Ion:252 Resp: 8468

Ion Ratio Lower Upper

252 100

253 27.4 26.5 39.7

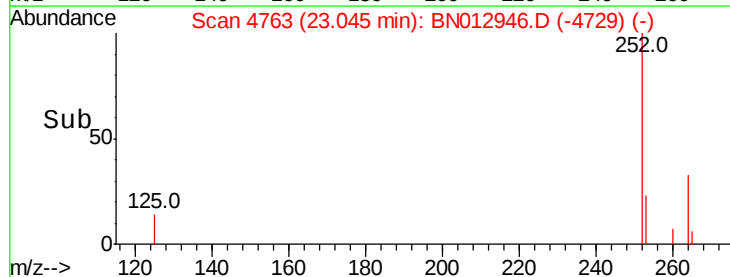
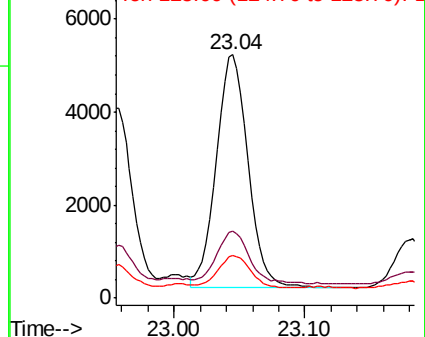
125 17.3 14.2 21.2

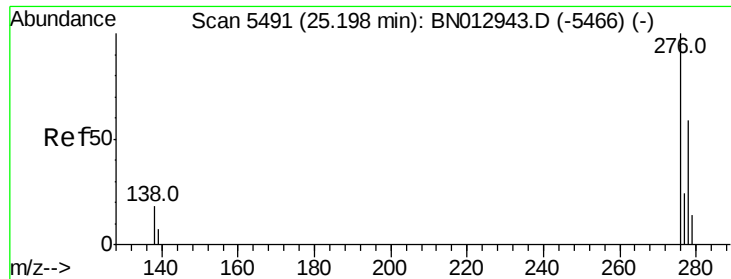


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.278 ng/u1

RT: 25.19 min Scan# 5490

Delta R.T. 0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

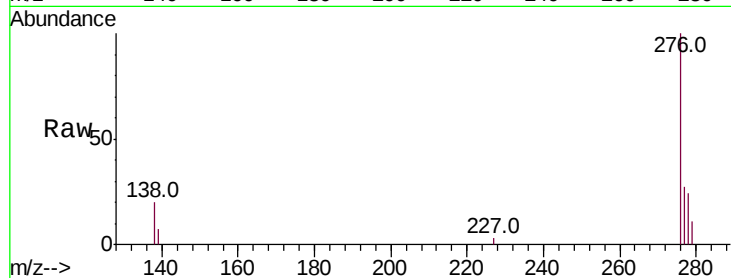
Tot Ion:276 Resp: 5711

Ion Ratio Lower Upper

276 100

138 18.6 16.2 24.2

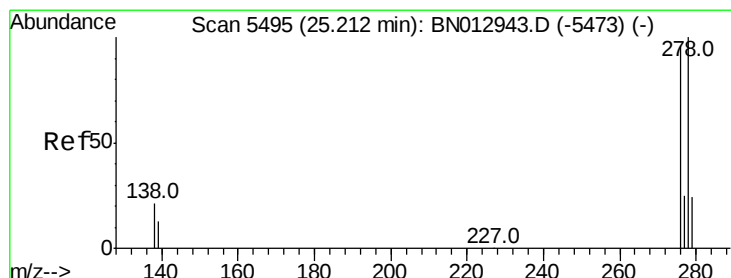
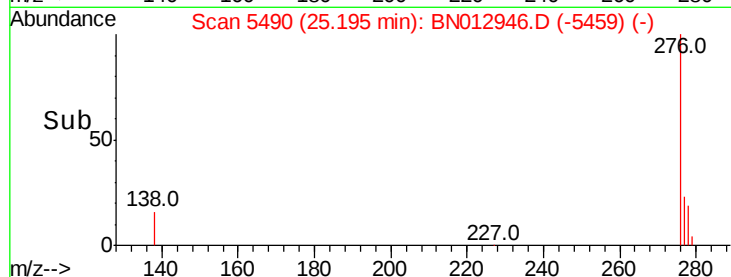
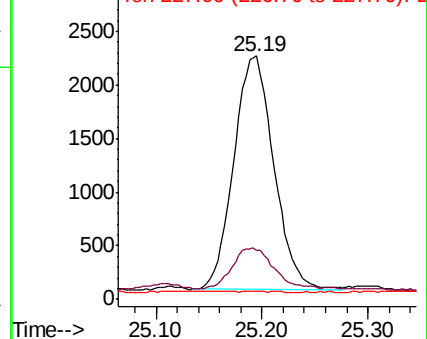
227 0.1 0.0 0.0#



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: 0.083 ng/u1

RT: 25.19 min Scan# 5490

Delta R.T. -0.01 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

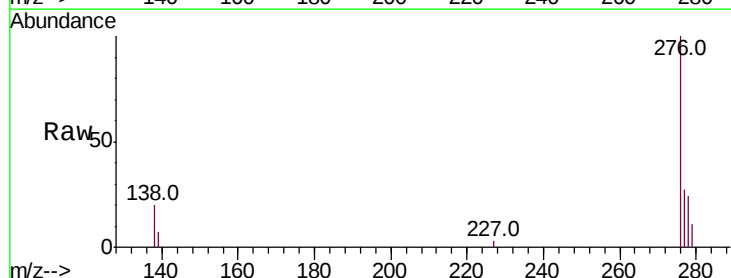
Tgt Ion:278 Resp: 1348

Ion Ratio Lower Upper

278 100

139 29.4 14.5 21.7#

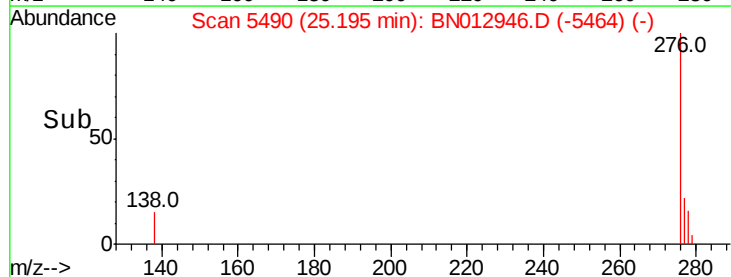
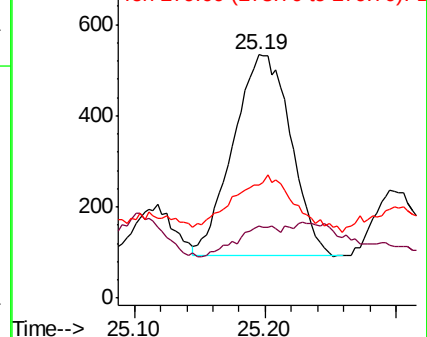
279 46.6 26.3 39.5#

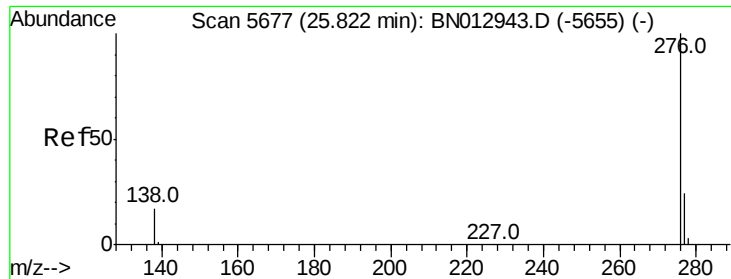


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.280 ng/ul

RT: 25.82 min Scan# 5677

Delta R.T. -0.00 min

Lab File: BN012946.D

Acq: 07 Dec 2020 19:19

Instrument :

BNA_N

ClientSampleId :

C0B93DL

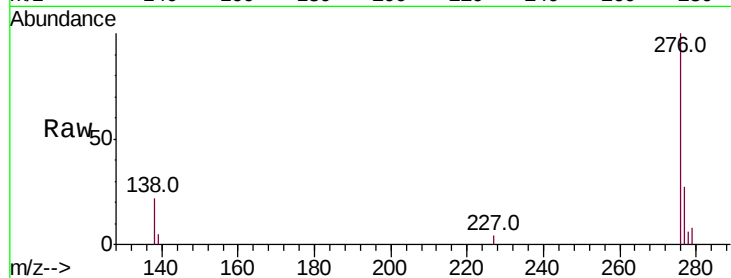
Tot Ion:276 Resp: 5191

Ion Ratio Lower Upper

276 100

138 21.7 16.3 24.5

277 27.2 21.8 32.6



Abundance Ion 276.00 (275.70 to 276.70): E

2500 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

