

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120620\
 Data File : BN012930.D
 Acq On : 06 Dec 2020 22:42
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.417

Quant Time: Dec 07 03:10:24 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 : Mon Dec 07 03:06:53 2020
 Response via : Initial Calibration

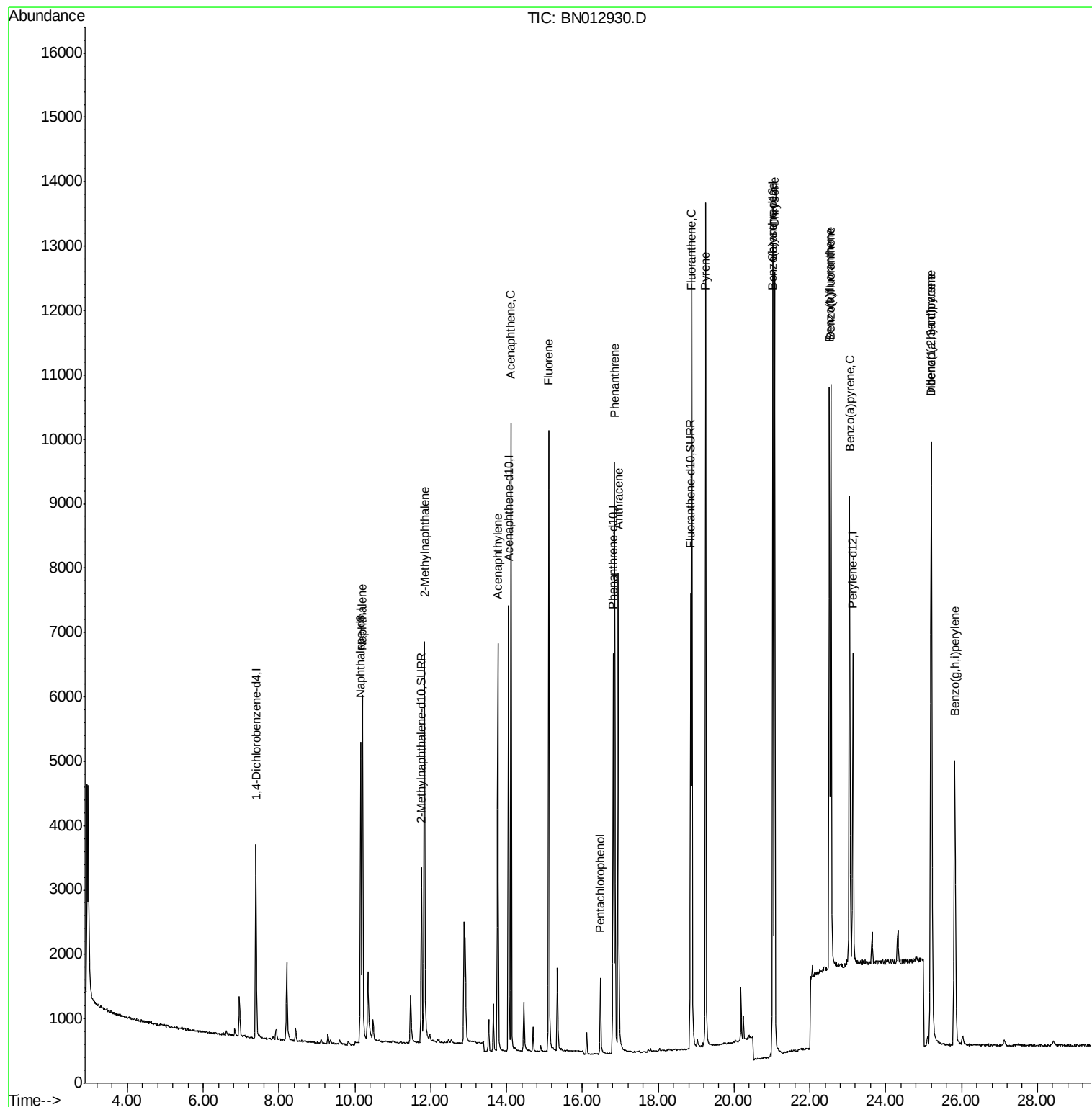
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1595	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	6539	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.06	164	3674	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	7416	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	5875	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	5629	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	3984	0.41	ng/ul	-0.02
14) Fluoranthene-d10	18.86	212	7766	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	7472	0.395	ng/ul#	91
5) 2-Methylnaphthalene	11.84	142	5034	0.405	ng/ul	97
7) Acenaphthylene	13.77	152	7247	0.417	ng/ul	95
8) Acenaphthene	14.12	153	5636	0.395	ng/ul	98
9) Fluorene	15.12	166	6235	0.381	ng/ul	99
11) Pentachlorophenol	16.47	266	914	0.426	ng/ul	97
12) Phenanthrene	16.85	178	9846	0.396	ng/ul	97
13) Anthracene	16.95	178	8998	0.425	ng/ul	95
15) Fluoranthene	18.88	202	11256	0.381	ng/ul	99
17) Pyrene	19.25	202	11466	0.413	ng/ul	97
18) Benzo(a)anthracene	21.02	228	9964	0.410	ng/ul	97
19) Chrysene	21.07	228	10730	0.400	ng/ul	98
21) Benzo(b)fluoranthene	22.52	252	10353	0.398	ng/ul	93
22) Benzo(k)fluoranthene	22.56	252	11032	0.383	ng/ul	94
23) Benzo(a)pyrene	23.05	252	9566	0.396	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.20	276	10695	0.337	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.21	278	8702	0.347	ng/ul	92
26) Benzo(g,h,i)perylene	25.82	276	8999	0.313	ng/ul	97

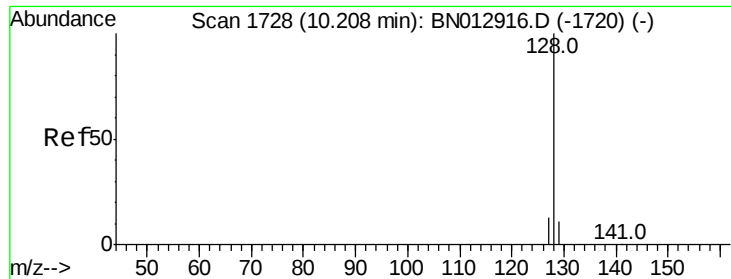
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.20 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

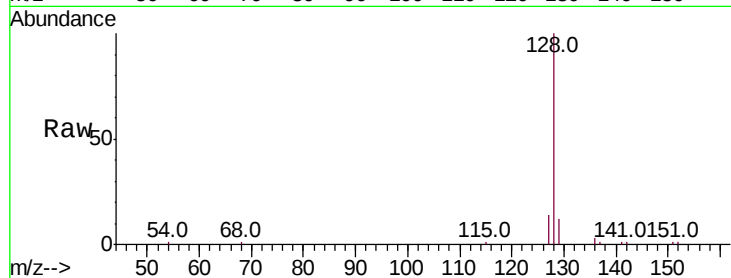
Tot Ion:128 Resp: 7472

Ion Ratio Lower Upper

128 100

129 11.8 12.3 18.5#

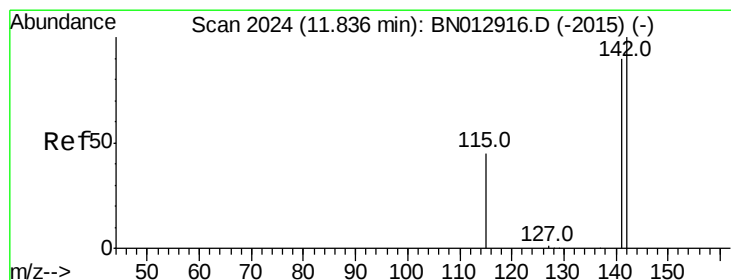
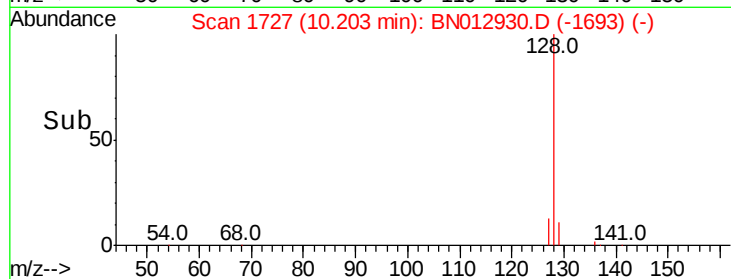
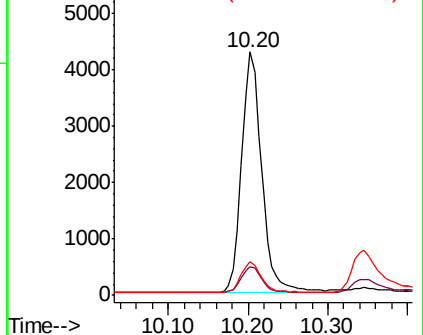
127 14.1 14.2 21.4#



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: 0.405 ng/ul

RT: 11.84 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BN012930.D

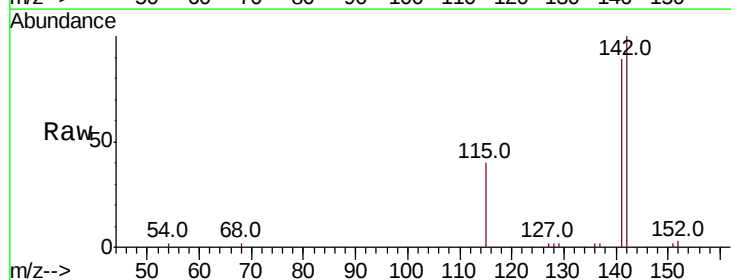
Acq: 06 Dec 2020 22:42

Tgt Ion:142 Resp: 5034

Ion Ratio Lower Upper

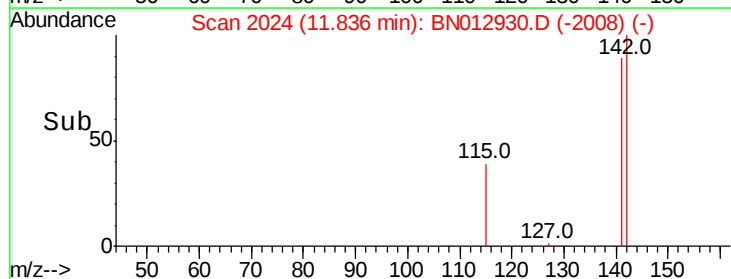
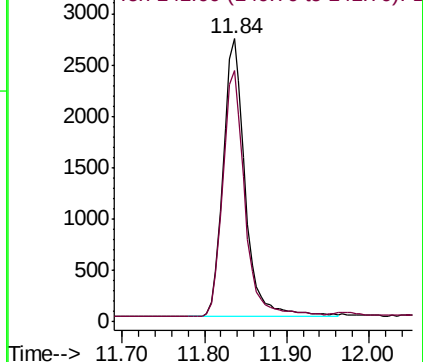
142 100

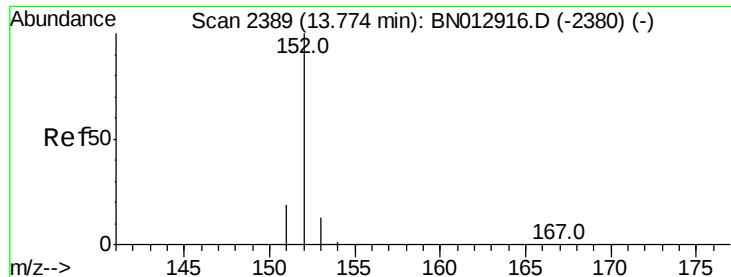
141 88.7 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.417 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

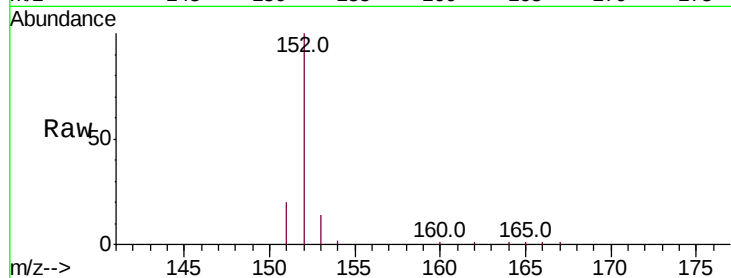
Tot Ion:152 Resp: 7247

Ion Ratio Lower Upper

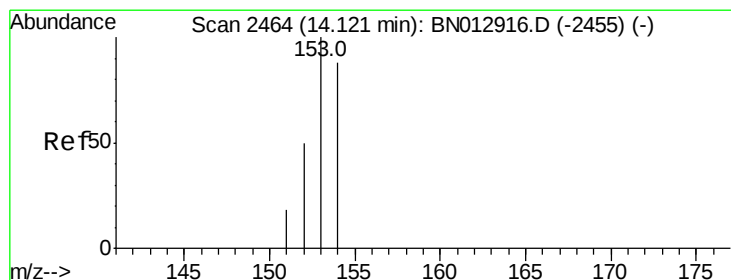
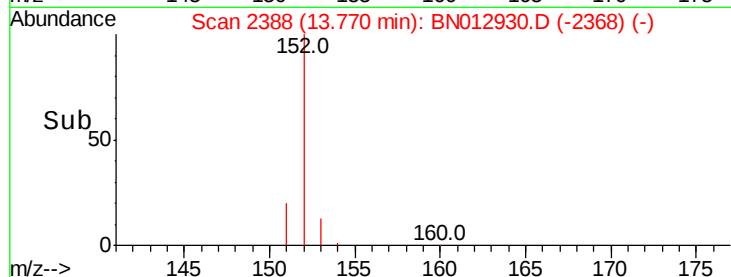
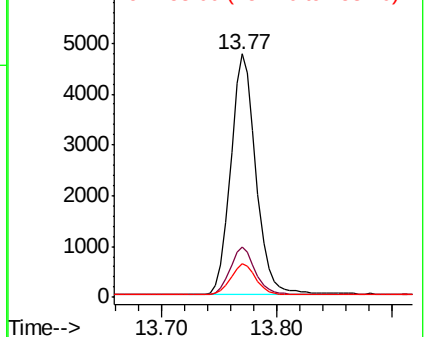
152 100

151 20.5 18.2 27.4

153 14.0 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: 0.395 ng/ul

RT: 14.12 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

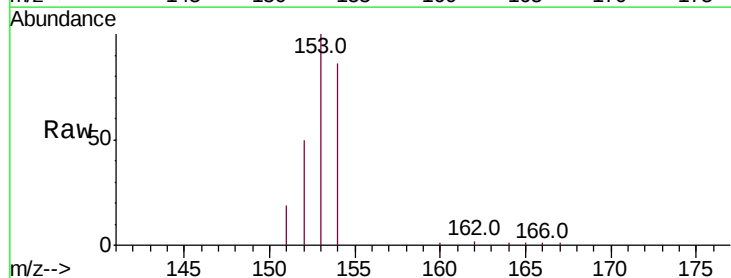
Tgt Ion:153 Resp: 5636

Ion Ratio Lower Upper

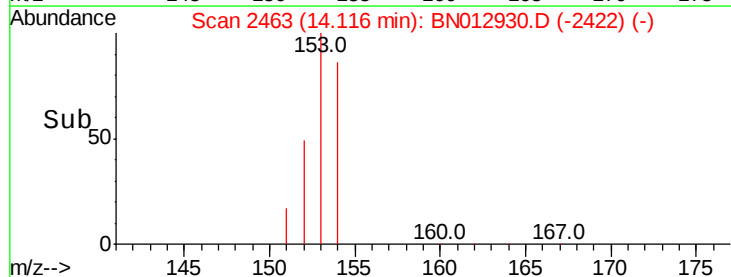
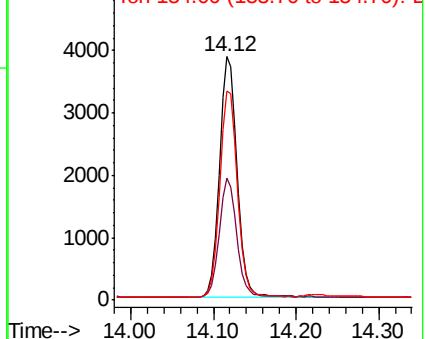
153 100

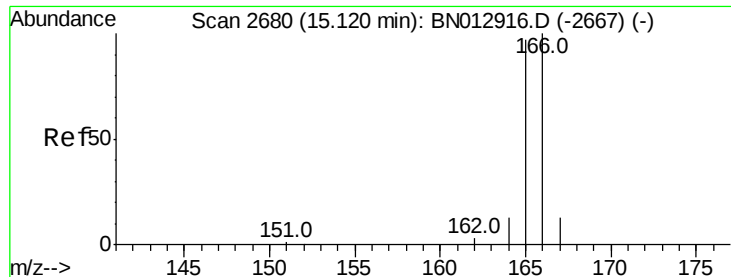
152 50.0 40.7 61.1

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





#9

Fluorene

Concen: 0.381 ng/ul

RT: 15.12 min Scan# 2679

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

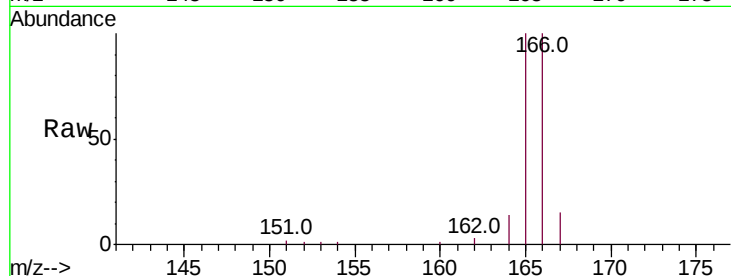
Tot Ion:166 Resp: 6235

Ion Ratio Lower Upper

166 100

165 99.8 79.8 119.8

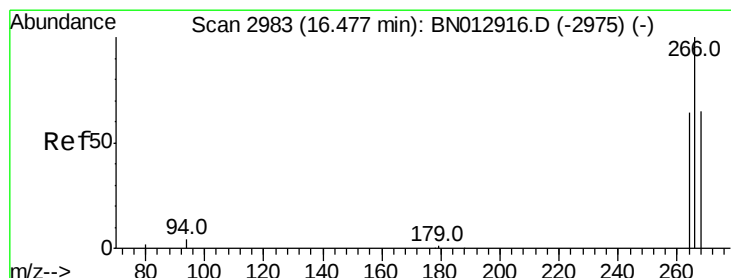
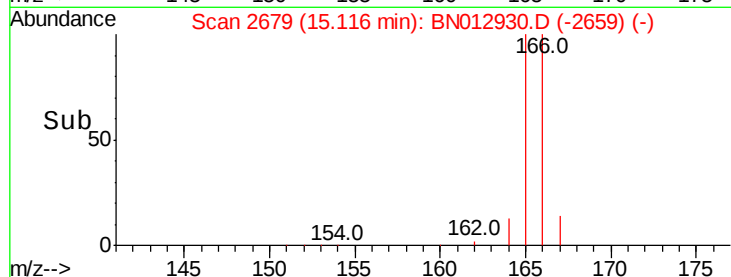
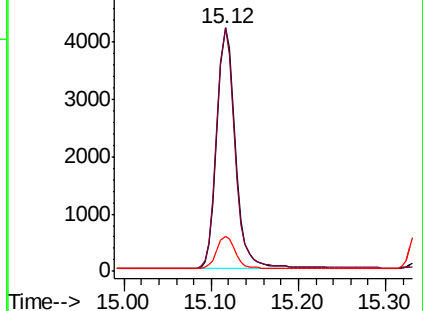
167 14.5 13.8 20.8



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



#11

Pentachlorophenol

Concen: 0.426 ng/ul

RT: 16.47 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

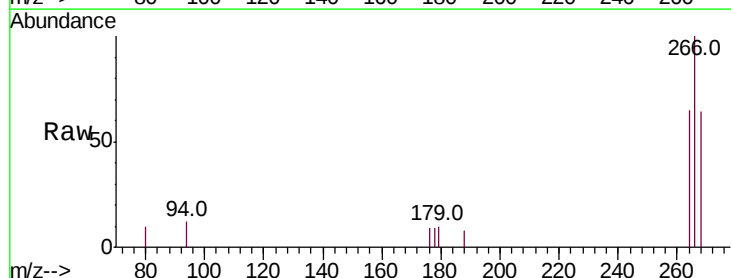
Tgt Ion:266 Resp: 914

Ion Ratio Lower Upper

266 100

264 62.9 51.5 77.3

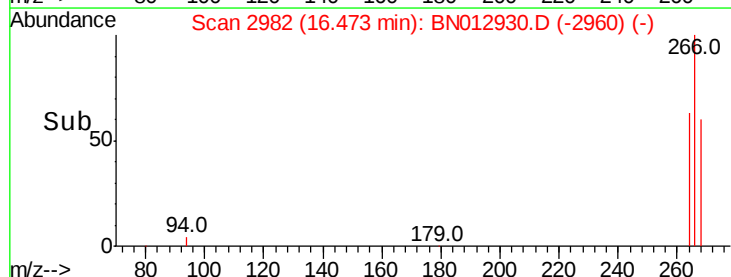
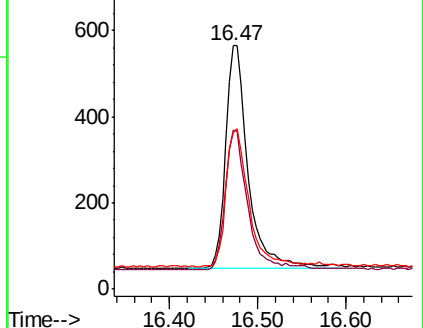
268 66.1 56.0 84.0

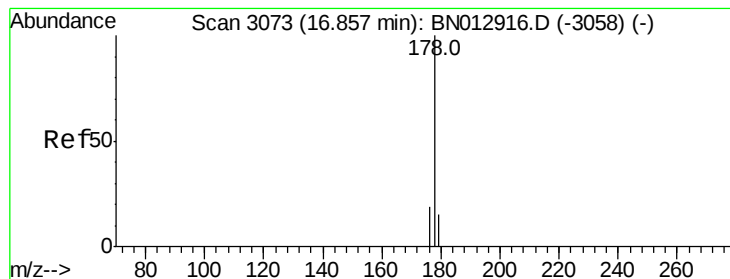


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.396 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

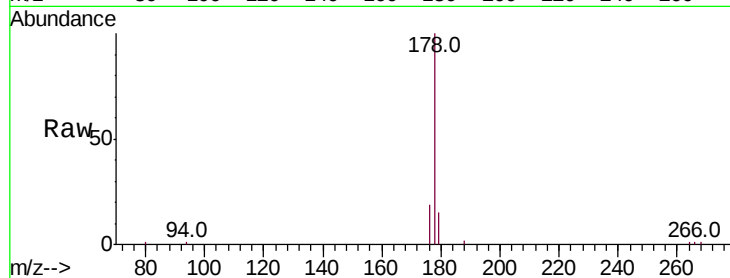
Tot Ion:178 Resp: 9846

Ion Ratio Lower Upper

178 100

179 15.3 13.6 20.4

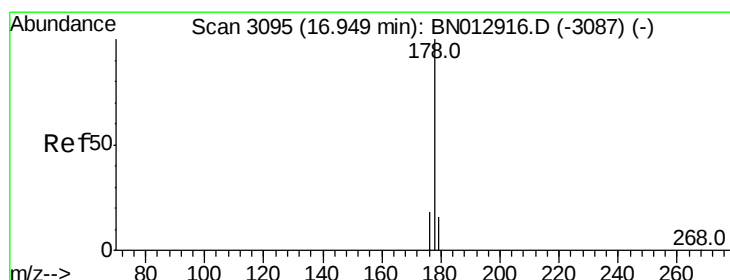
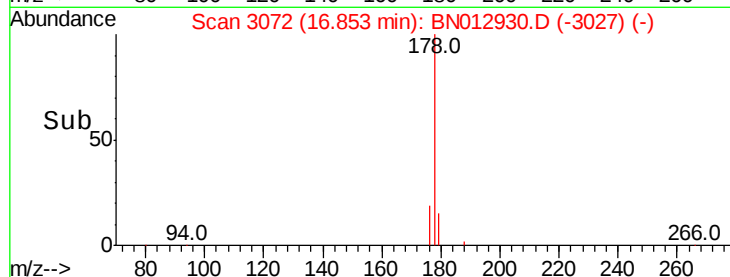
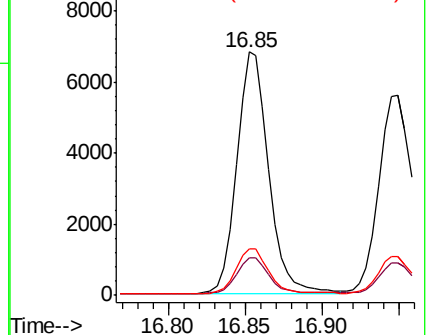
176 19.2 16.4 24.6



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: 0.425 ng/ul

RT: 16.95 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

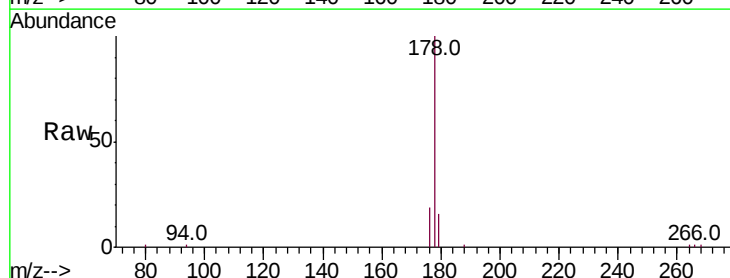
Tgt Ion:178 Resp: 8998

Ion Ratio Lower Upper

178 100

179 16.0 14.6 21.8

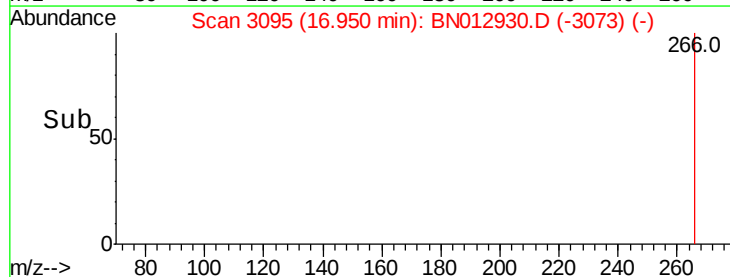
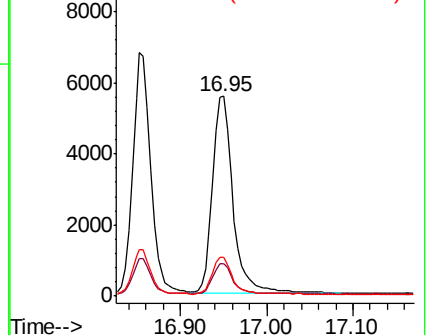
176 19.3 17.1 25.7

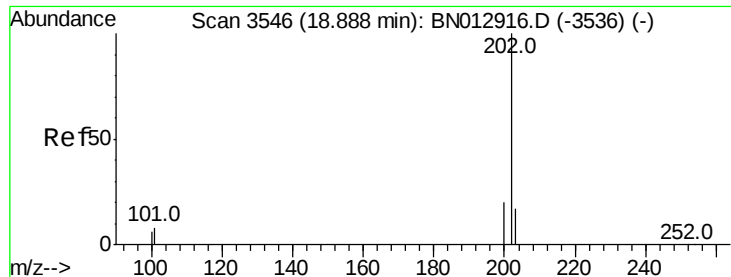


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.381 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

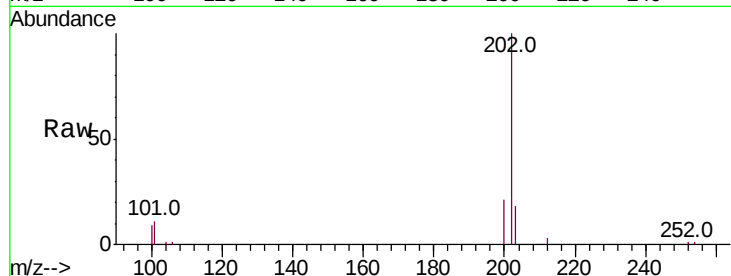
Tot Ion:202 Resp: 11256

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.6

100 8.8 0.0 28.7



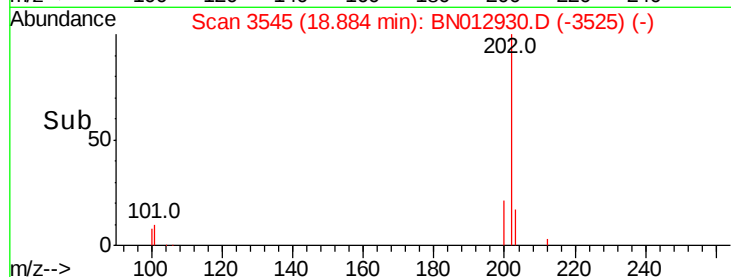
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

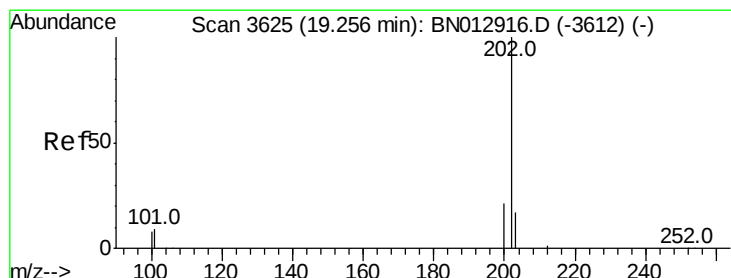
Ion 100.00 (99.70 to 100.70): B

18.88

Time-->



Time-->



#17

Pyrene

Concen: 0.413 ng/ul

RT: 19.25 min Scan# 3624

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

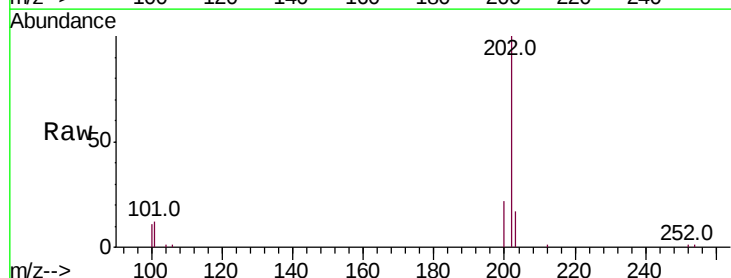
Tgt Ion:202 Resp: 11466

Ion Ratio Lower Upper

202 100

101 12.3 9.1 13.7

100 10.6 7.5 11.3



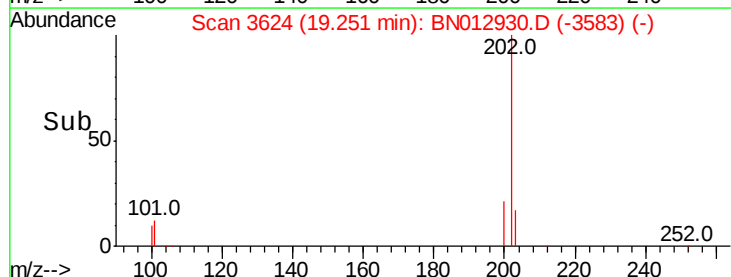
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

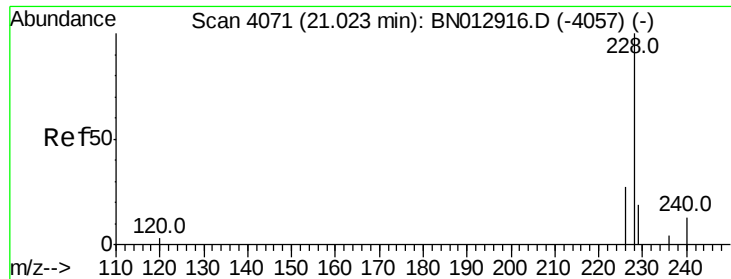
Ion 100.00 (99.70 to 100.70): B

19.25

Time-->



Time-->



#18

Benzo(a)anthracene

Concen: 0.410 ng/ul

RT: 21.02 min Scan# 4070

Delta R.T. -0.00 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

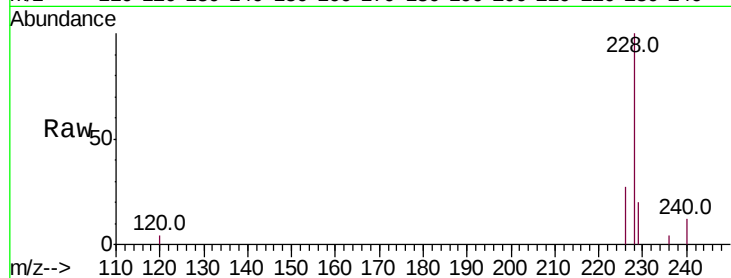
Tot Ion:228 Resp: 9964

Ion Ratio Lower Upper

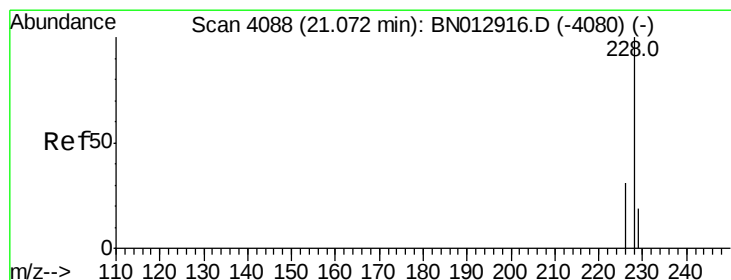
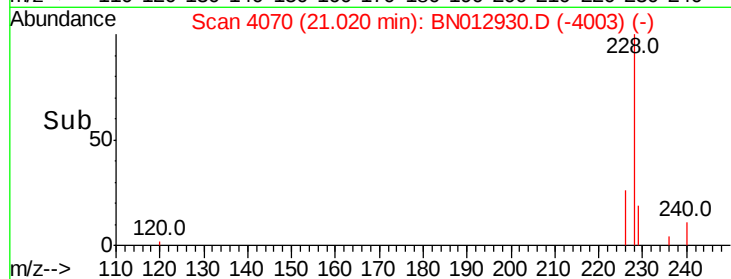
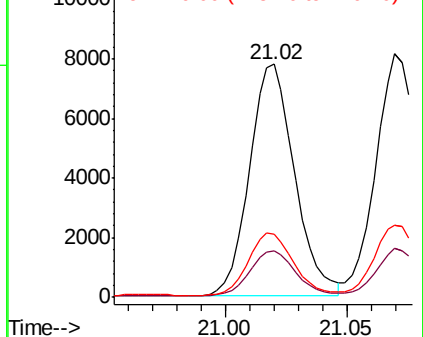
228 100

229 19.9 16.3 24.5

226 26.9 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: 0.400 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

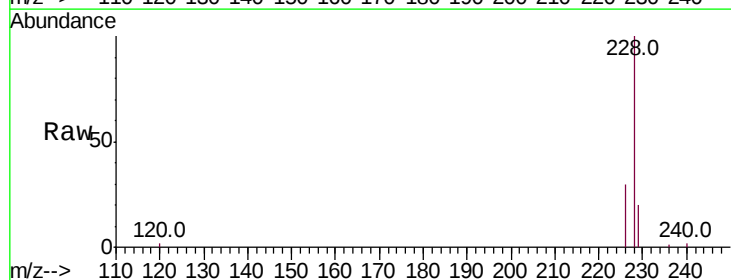
Tgt Ion:228 Resp: 10730

Ion Ratio Lower Upper

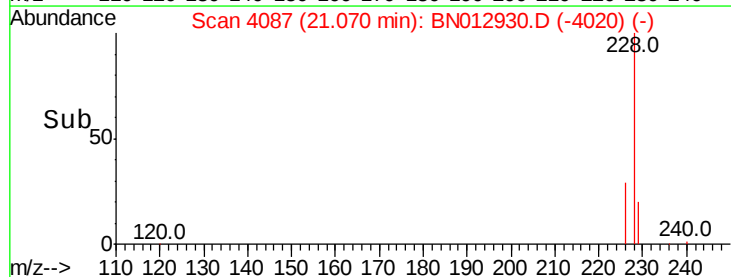
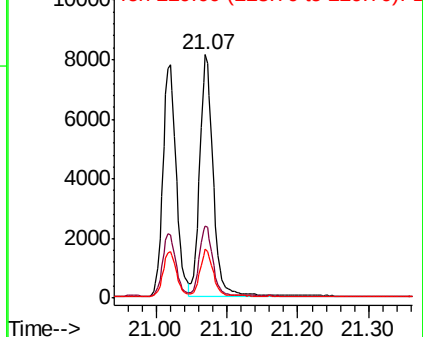
228 100

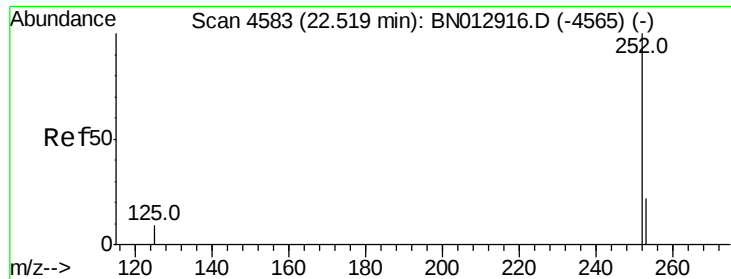
226 29.7 25.0 37.6

229 20.1 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: 0.398 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

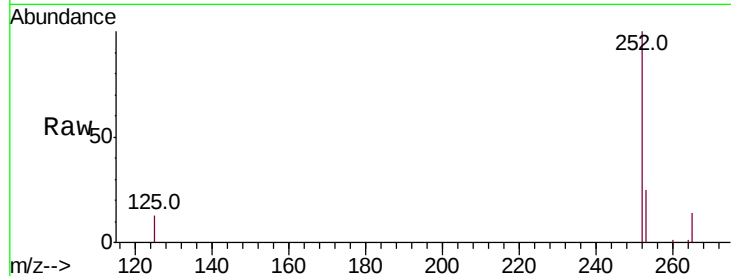
Tot Ion:252 Resp: 10353

Ion Ratio Lower Upper

252 100

253 24.9 0.0 59.6

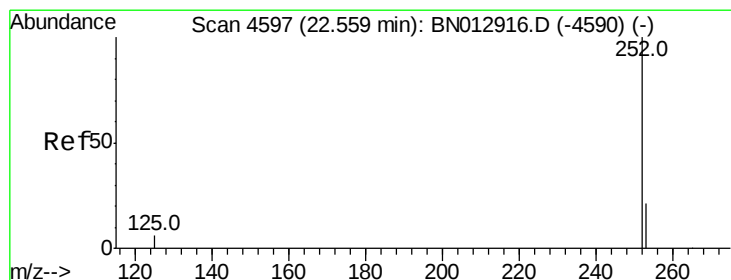
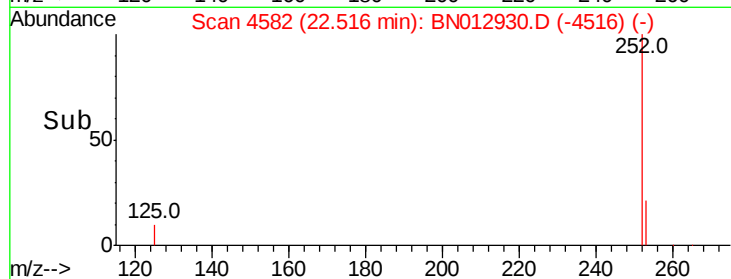
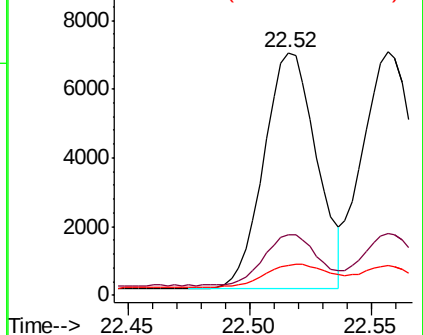
125 12.5 0.0 26.0



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: 0.383 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

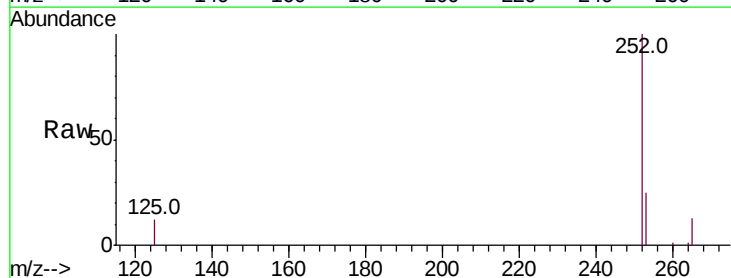
Tgt Ion:252 Resp: 11032

Ion Ratio Lower Upper

252 100

253 25.4 23.4 35.2

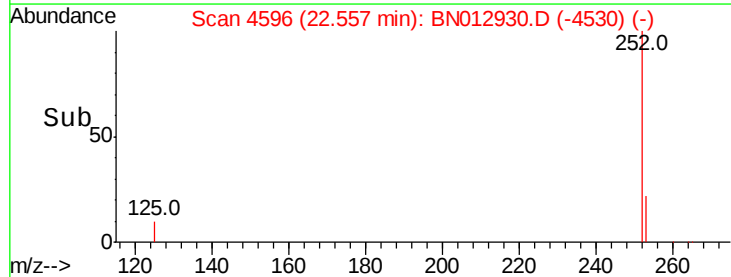
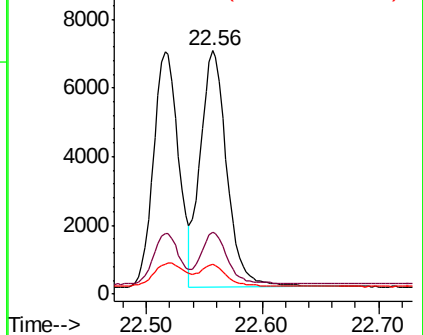
125 12.4 11.1 16.7

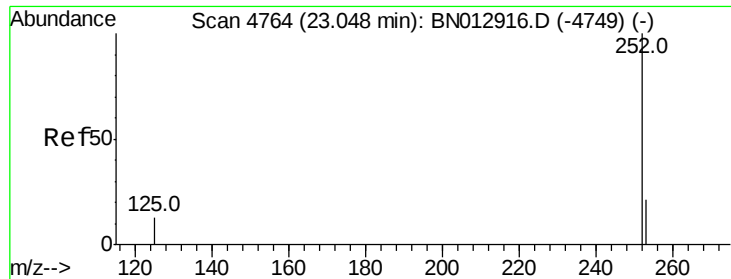


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.396 ng/u1

RT: 23.05 min Scan# 4763

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

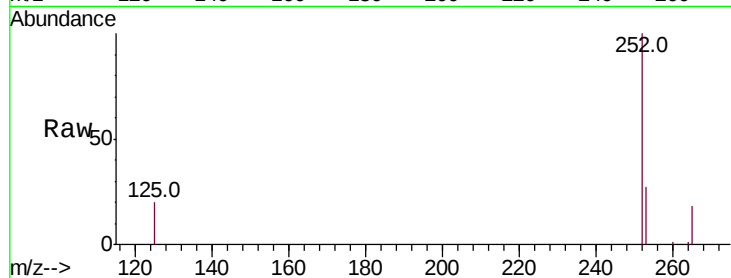
Tot Ion:252 Resp: 9566

Ion Ratio Lower Upper

252 100

253 26.6 26.5 39.7

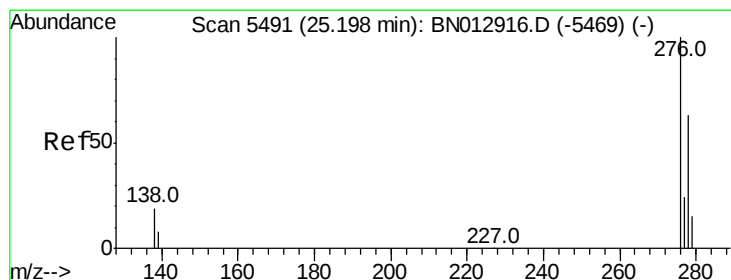
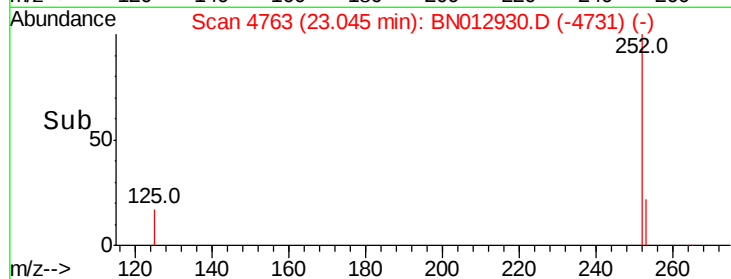
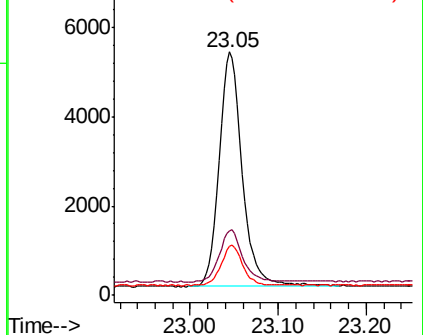
125 20.2 14.2 21.2



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: 0.337 ng/u1

RT: 25.20 min Scan# 5490

Delta R.T. -0.01 min

Lab File: BN012930.D

Acq: 06 Dec 2020 22:42

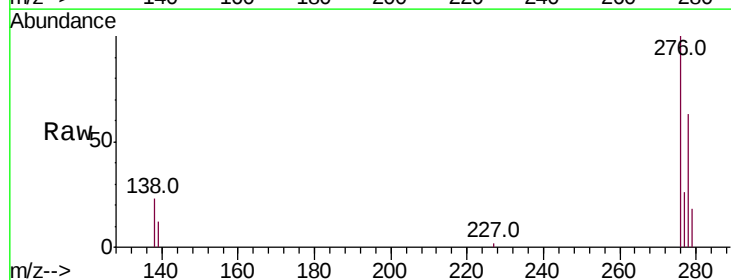
Tgt Ion:276 Resp: 10695

Ion Ratio Lower Upper

276 100

138 21.8 16.2 24.2

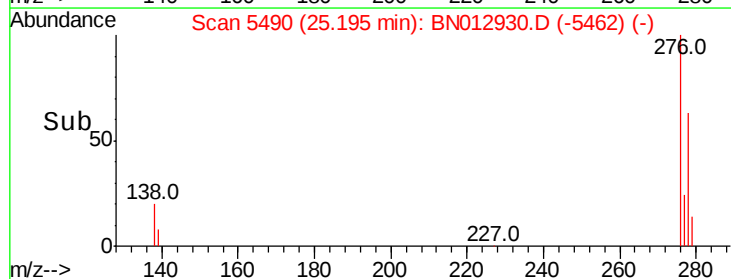
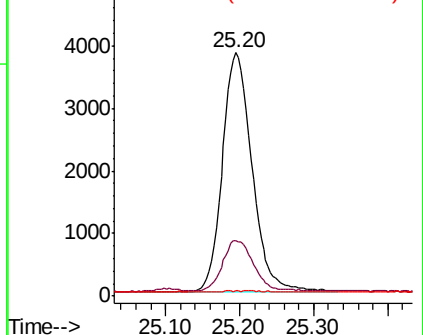
227 0.1 0.0 0.0#

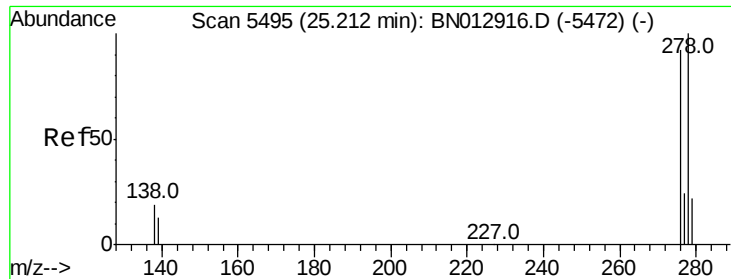


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

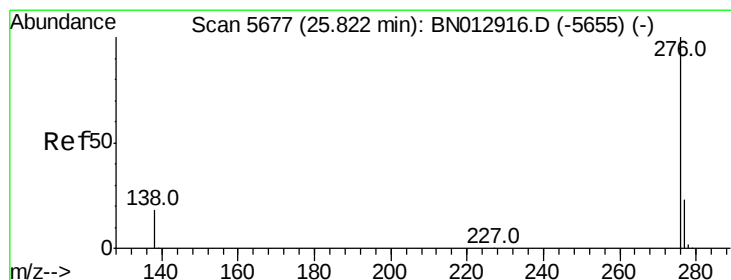
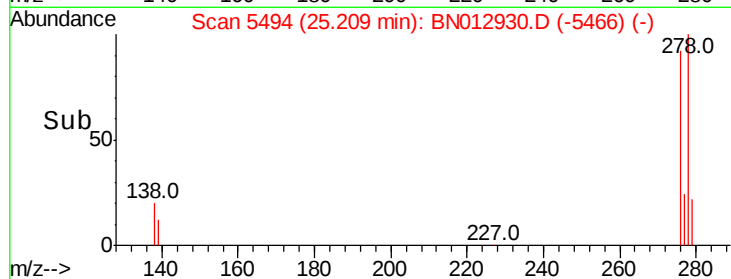
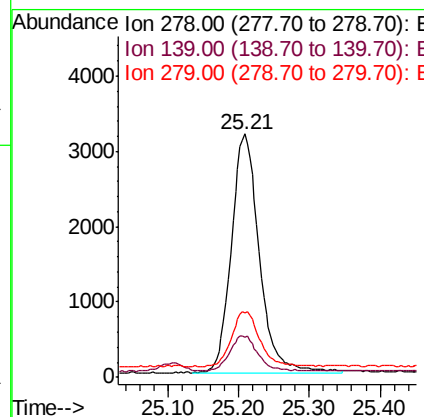
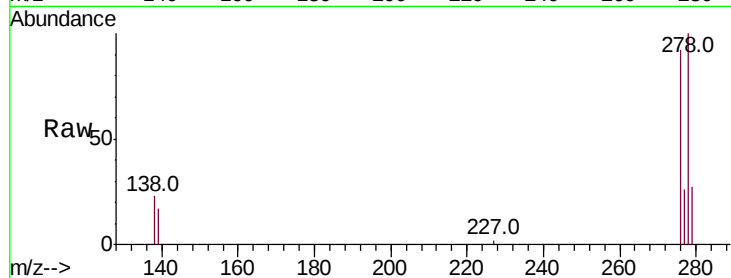




#25
Dibenzo(a,h)anthracene
Concen: 0.347 ng/ul
RT: 25.21 min Scan# 5494
Delta R.T. -0.01 min
Lab File: BN012930.D
Acq: 06 Dec 2020 22:42

Instrument :
BNA_N
ClientSampleId :
SSTD0.417

Tot Ion:278 Resp: 8702
Ion Ratio Lower Upper
278 100
139 16.6 14.5 21.7
279 26.7 26.3 39.5



#26
Benzo(g,h,i)perylene
Concen: 0.313 ng/ul
RT: 25.82 min Scan# 5677
Delta R.T. -0.01 min
Lab File: BN012930.D
Acq: 06 Dec 2020 22:42

Tgt Ion:276 Resp: 8999
Ion Ratio Lower Upper
276 100
138 20.7 16.3 24.5
277 24.8 21.8 32.6

