

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012680.D
 Acq On : 21 Nov 2020 11:13
 Operator : CG/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.410

Quant Time: Nov 23 01:00:39 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 : Mon Nov 23 00:58:43 2020
 Response via : Initial Calibration

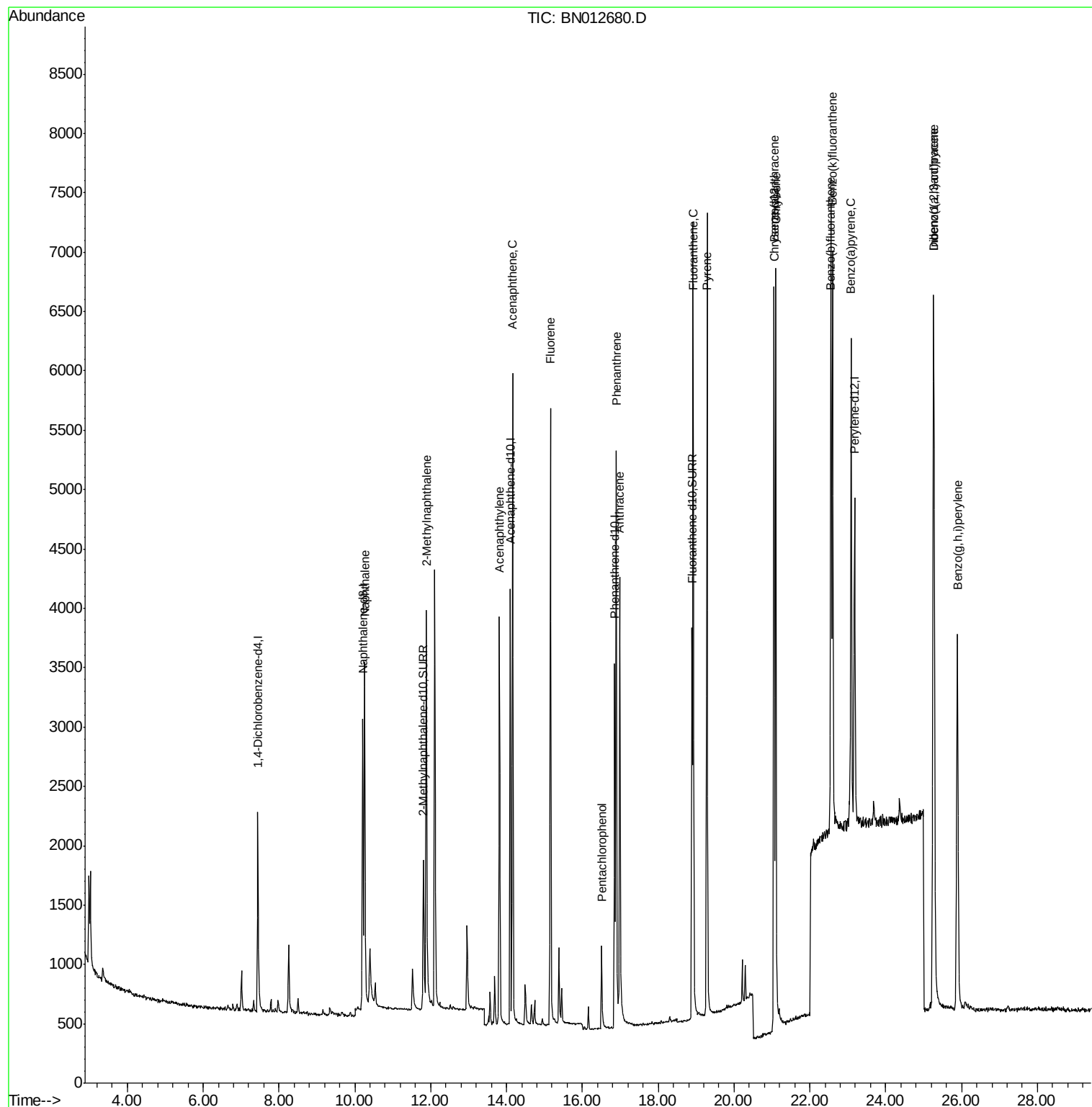
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	886	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	3633	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2026	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	3920	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	3259	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3372	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	2116	0.40	ng/ul	-0.01
14) Fluoranthene-d10	18.89	212	3924	0.38	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.26	128	4313	0.394	ng/ul	97
5) 2-Methylnaphthalene	11.89	142	2912	0.417	ng/ul	99
7) Acenaphthylene	13.82	152	4193	0.424	ng/ul	98
8) Acenaphthene	14.16	153	3197	0.384	ng/ul	98
9) Fluorene	15.16	166	3553	0.388	ng/ul	99
11) Pentachlorophenol	16.51	266	533	0.428	ng/ul	95
12) Phenanthrene	16.89	178	5440	0.399	ng/ul	99
13) Anthracene	16.99	178	4857	0.410	ng/ul	97
15) Fluoranthene	18.92	202	6128	0.389	ng/ul	98
17) Pyrene	19.29	202	6287	0.431	ng/ul	95
18) Benzo(a)anthracene	21.05	228	5362	0.459	ng/ul	99
19) Chrysene	21.10	228	6210	0.426	ng/ul	99
21) Benzo(b)fluoranthene	22.55	252	6291	0.406	ng/ul	98
22) Benzo(k)fluoranthene	22.59	252	6498	0.363	ng/ul	98
23) Benzo(a)pyrene	23.09	252	5790	0.397	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.26	276	7369	0.386	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.27	278	5866	0.382	ng/ul	97
26) Benzo(g,h,i)perylene	25.89	276	6486	0.377	ng/ul	96

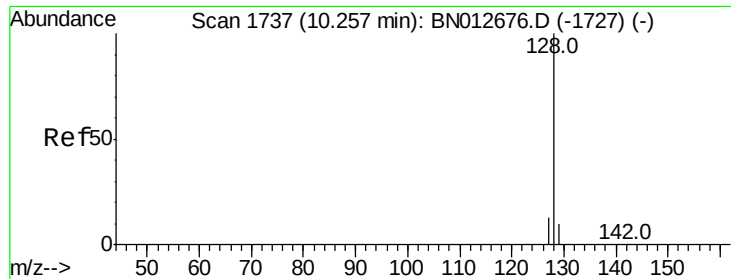
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.394 ng/ul

RT: 10.26 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

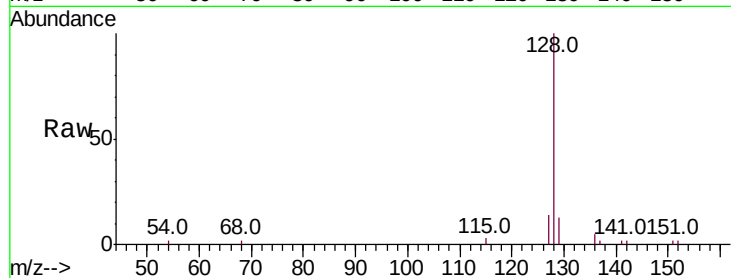
BNA_N

ClientSampleId :

SSTD0.410

Tot Ion:128 Resp: 4313

Ion	Ratio	Lower	Upper
128	100		
129	13.0	11.2	16.8
127	14.2	12.5	18.7

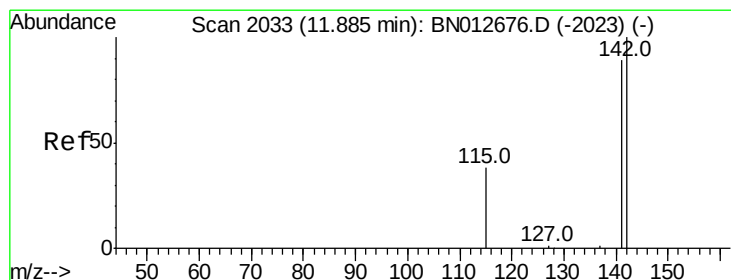
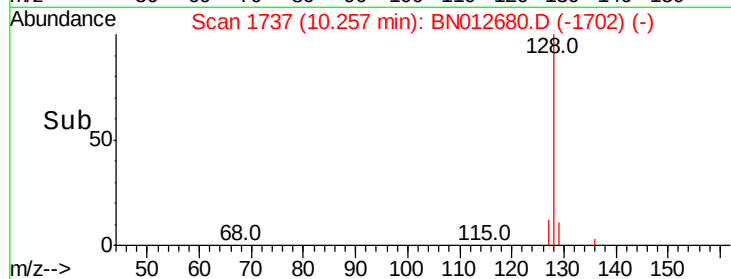
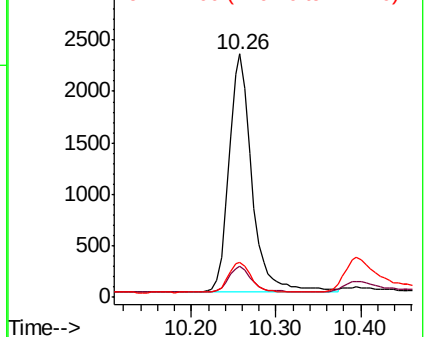


Abundance

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: 0.417 ng/ul

RT: 11.89 min Scan# 2033

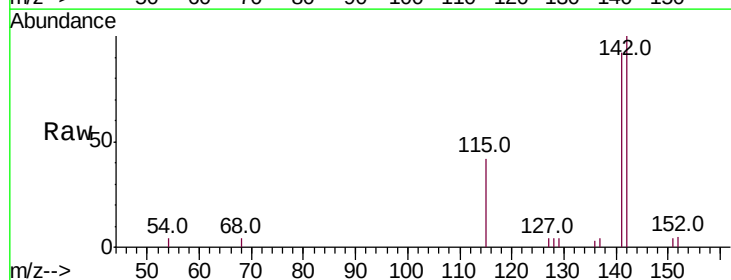
Delta R.T. -0.01 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Tgt Ion:142 Resp: 2912

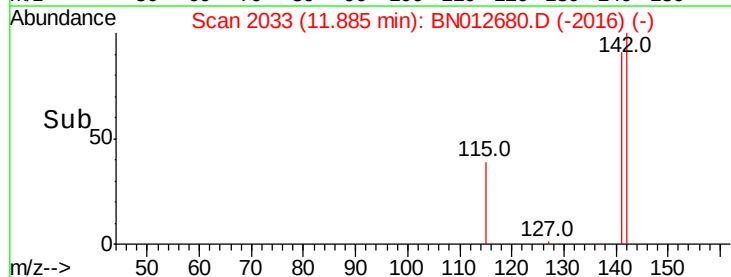
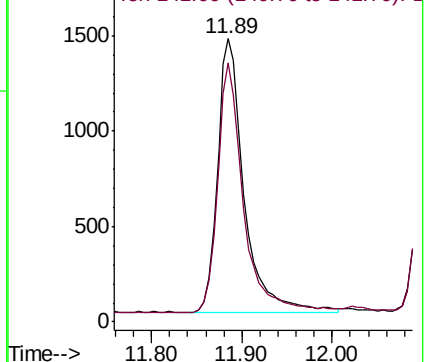
Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.3	108.5

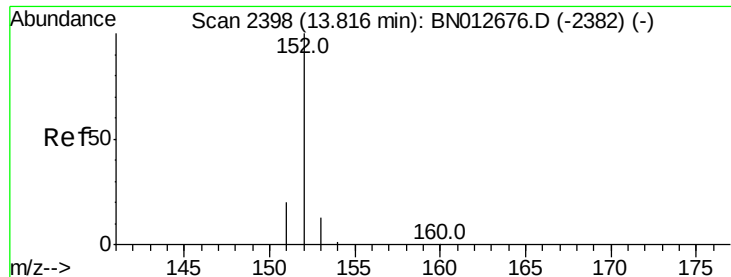


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.424 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

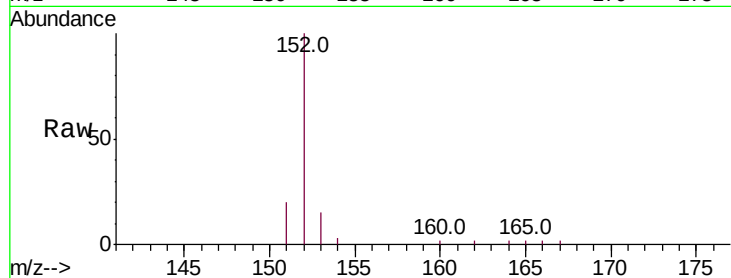
Tot Ion:152 Resp: 4193

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

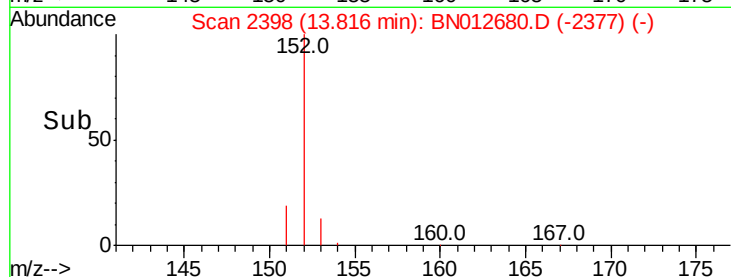
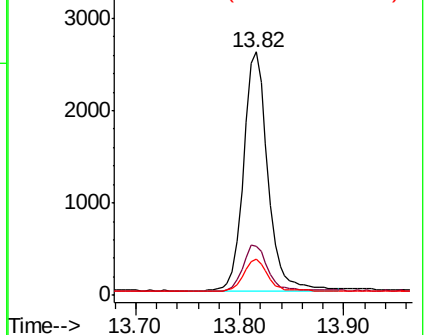
153 15.0 12.6 19.0



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: 0.384 ng/ul

RT: 14.16 min Scan# 2473

Delta R.T. 0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

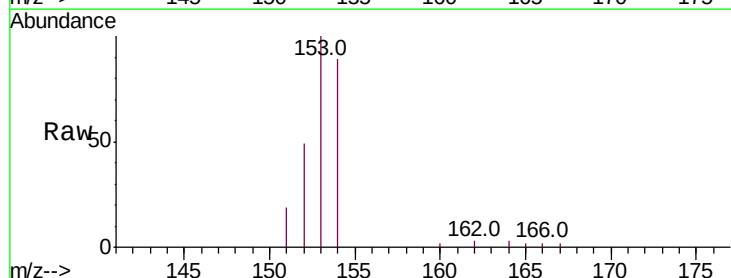
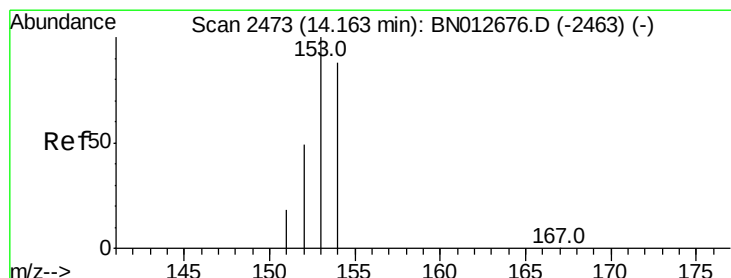
Tgt Ion:153 Resp: 3197

Ion Ratio Lower Upper

153 100

152 49.0 41.4 62.0

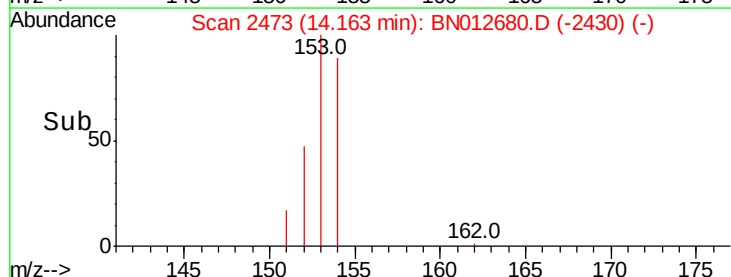
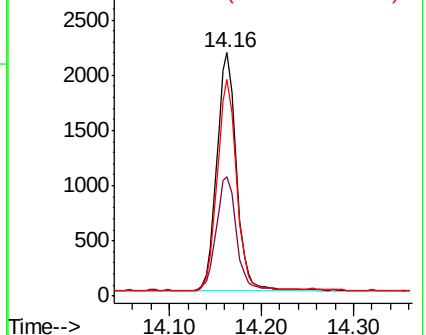
154 89.1 70.9 106.3

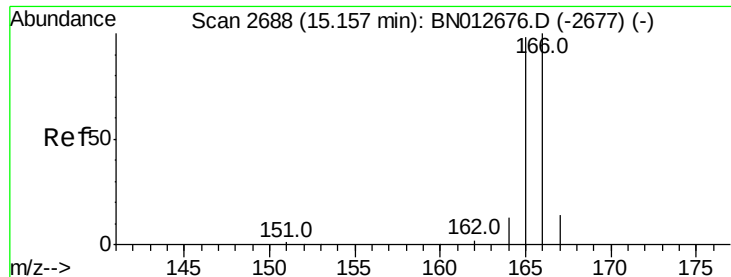


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.388 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

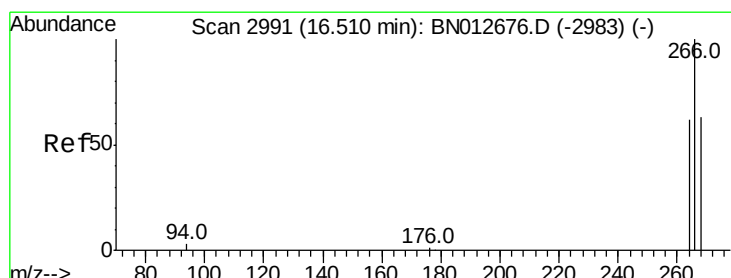
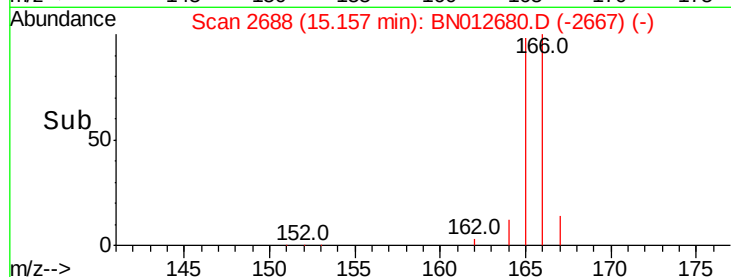
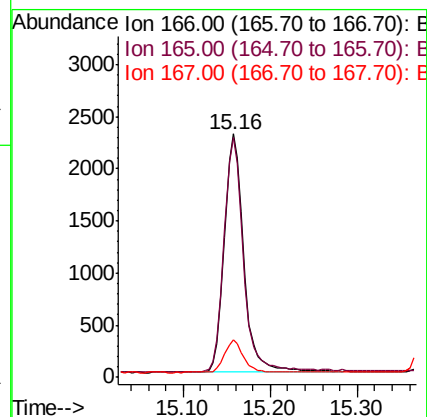
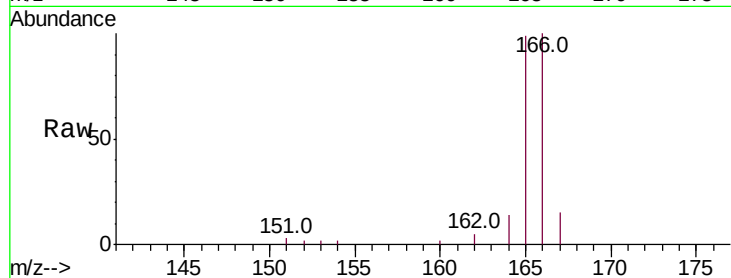
Tot Ion:166 Resp: 3553

Ion Ratio Lower Upper

166 100

165 98.5 78.5 117.7

167 15.3 12.7 19.1



#11

Pentachlorophenol

Concen: 0.428 ng/ul

RT: 16.51 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

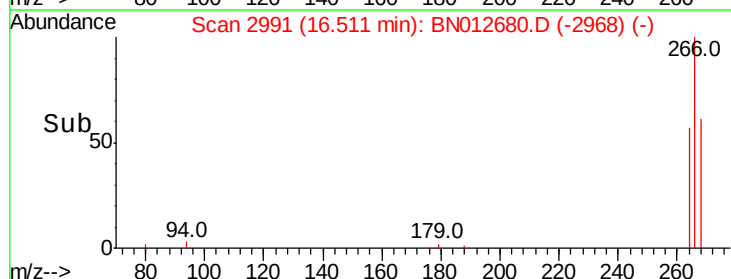
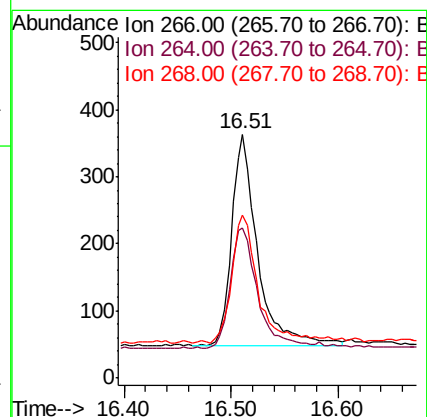
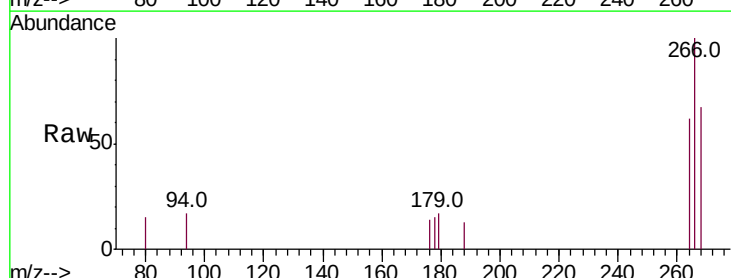
Tgt Ion:266 Resp: 533

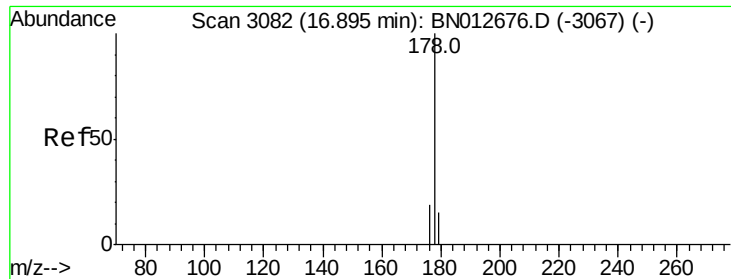
Ion Ratio Lower Upper

266 100

264 60.2 51.0 76.6

268 63.8 47.8 71.6





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 16.89 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

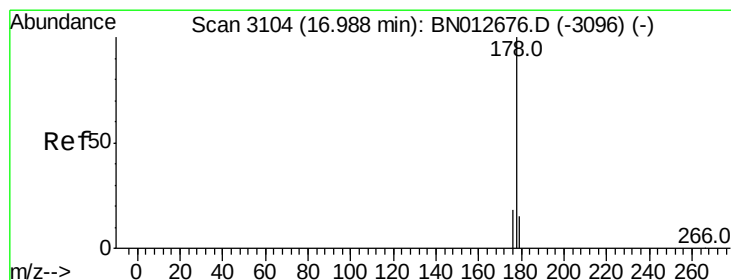
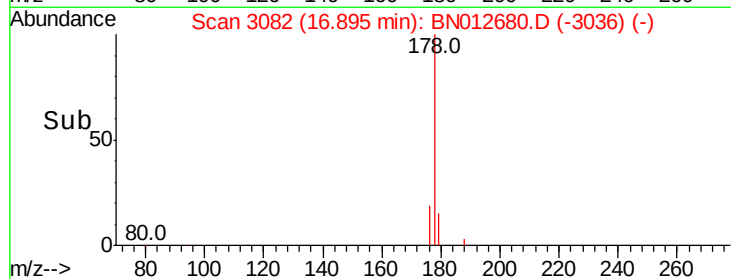
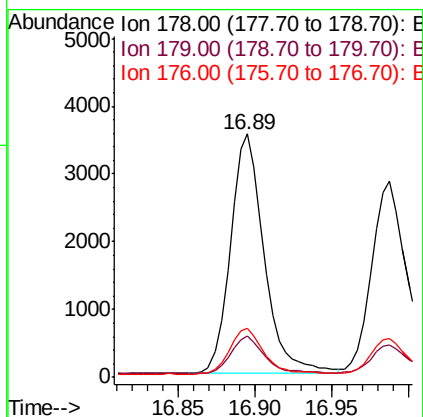
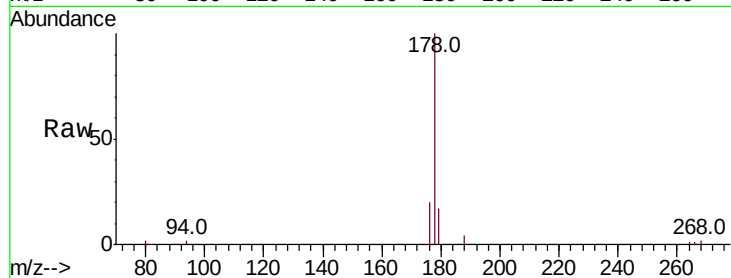
Tot Ion:178 Resp: 5440

Ion Ratio Lower Upper

178 100

179 16.8 13.8 20.6

176 20.0 16.7 25.1



#13

Anthracene

Concen: 0.410 ng/ul

RT: 16.99 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

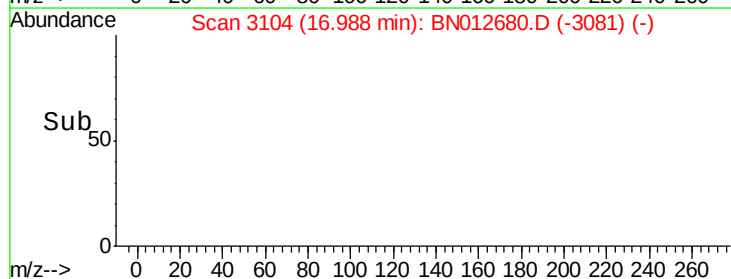
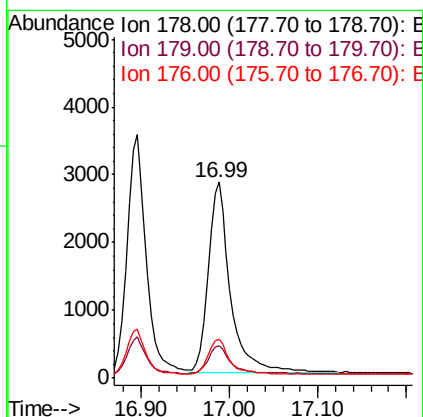
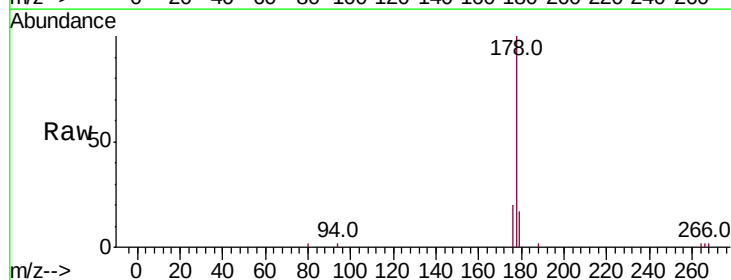
Tgt Ion:178 Resp: 4857

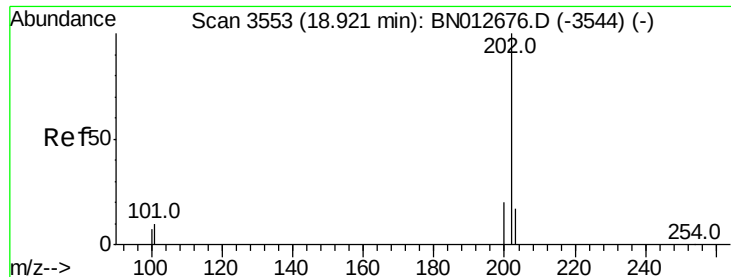
Ion Ratio Lower Upper

178 100

179 16.7 14.8 22.2

176 19.5 16.3 24.5





#15

Fluoranthene

Concen: 0.389 ng/ul

RT: 18.92 min Scan# 3553

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

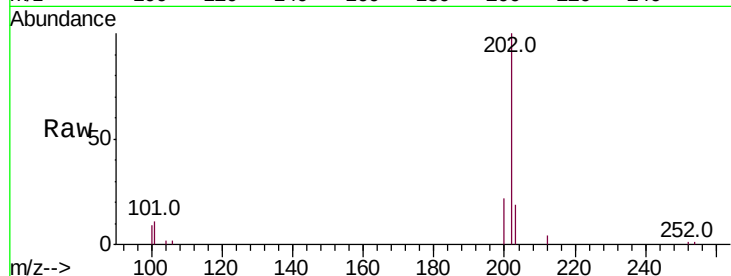
Tot Ion:202 Resp: 6128

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.5

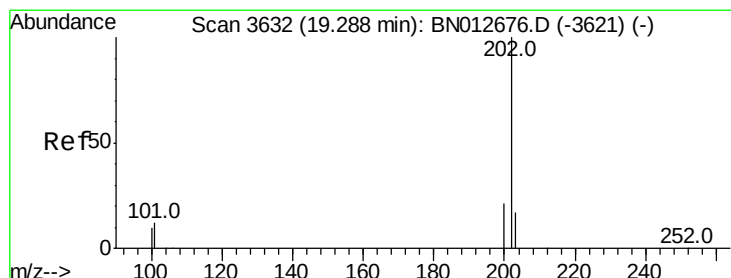
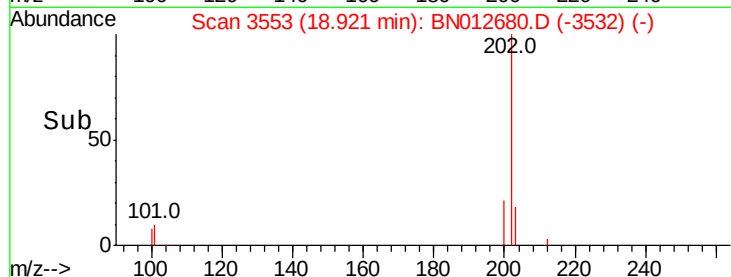
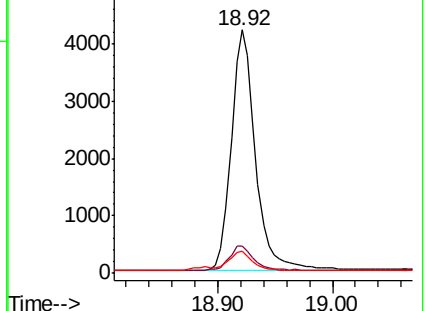
100 9.0 0.0 28.4



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

Pyrene

Concen: 0.431 ng/ul

RT: 19.29 min Scan# 3632

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

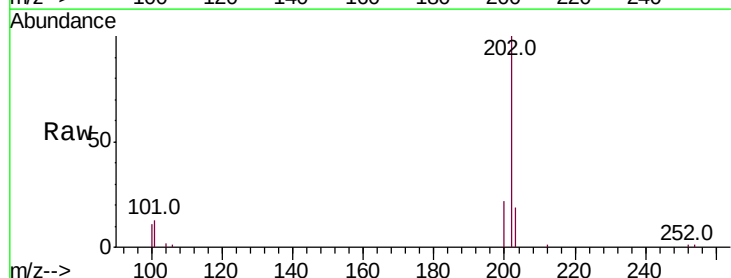
Tgt Ion:202 Resp: 6287

Ion Ratio Lower Upper

202 100

101 13.0 8.9 13.3

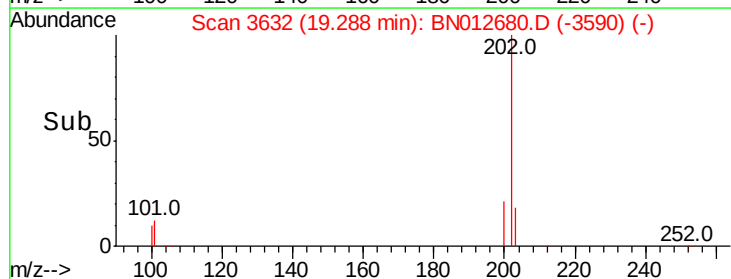
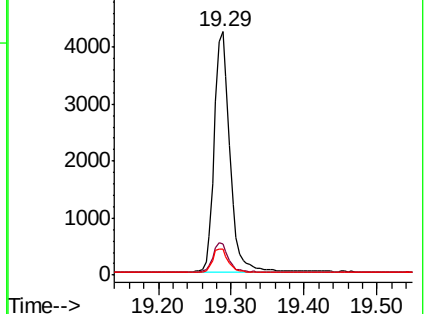
100 10.9 7.4 11.2

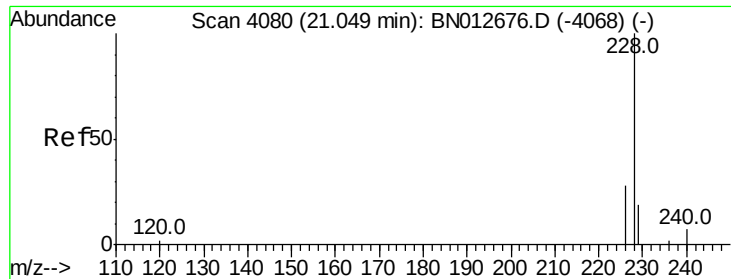


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.459 ng/ul

RT: 21.05 min Scan# 4080

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

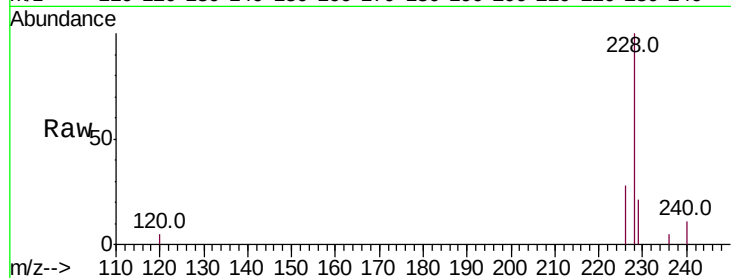
Tot Ion:228 Resp: 5362

Ion Ratio Lower Upper

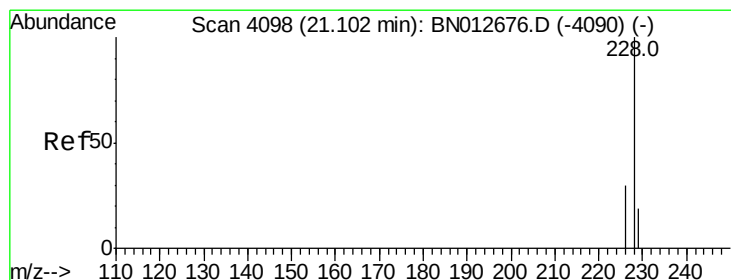
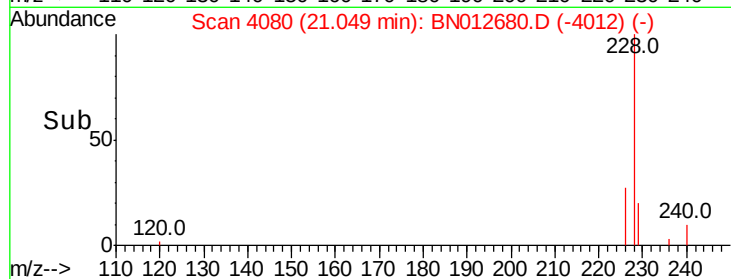
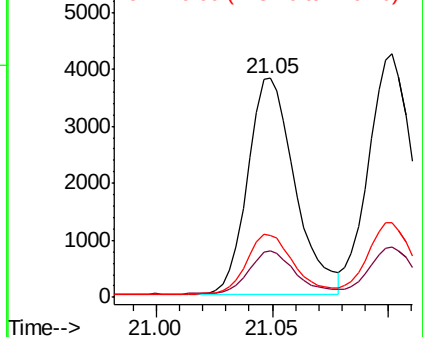
228 100

229 21.0 16.9 25.3

226 28.3 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: 0.426 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

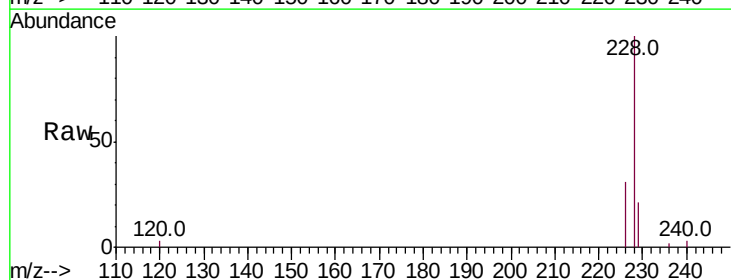
Tgt Ion:228 Resp: 6210

Ion Ratio Lower Upper

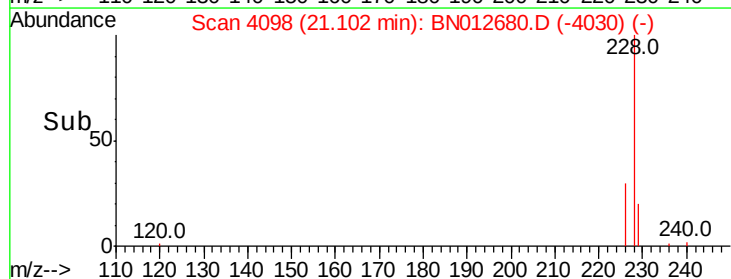
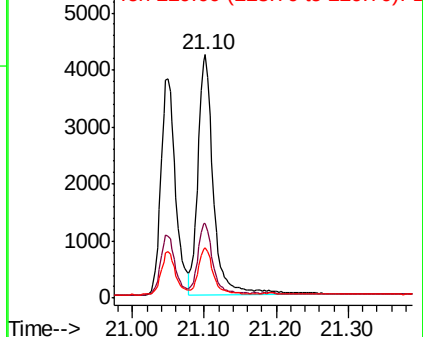
228 100

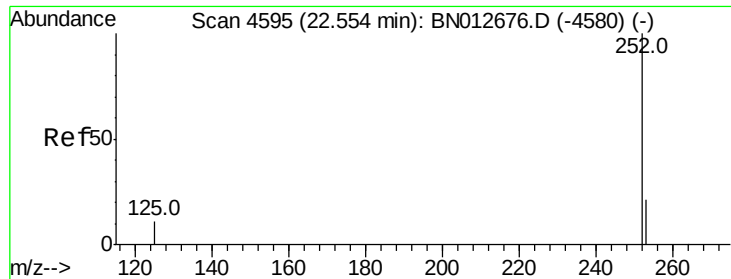
226 30.8 24.4 36.6

229 20.9 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: 0.406 ng/ul

RT: 22.55 min Scan# 4595

Delta R.T. -0.01 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

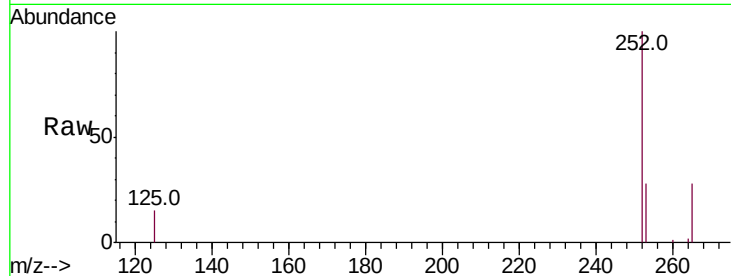
Tot Ion:252 Resp: 6291

Ion Ratio Lower Upper

252 100

253 28.2 0.0 58.4

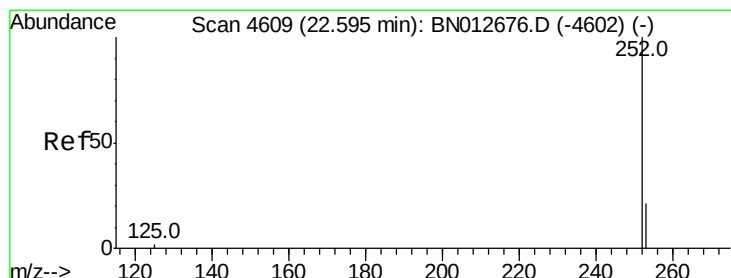
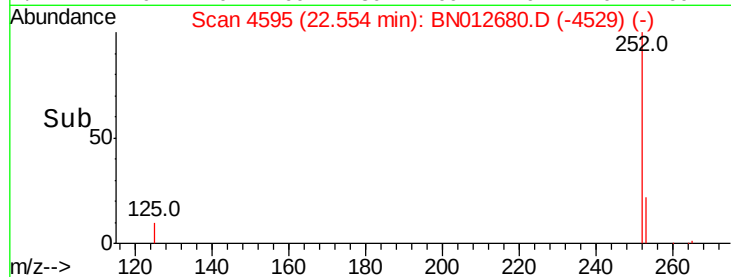
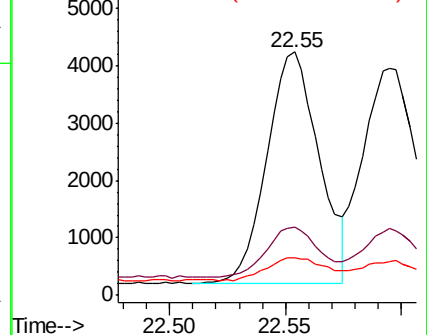
125 15.4 0.0 28.6



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: 0.363 ng/ul

RT: 22.59 min Scan# 4609

Delta R.T. -0.01 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

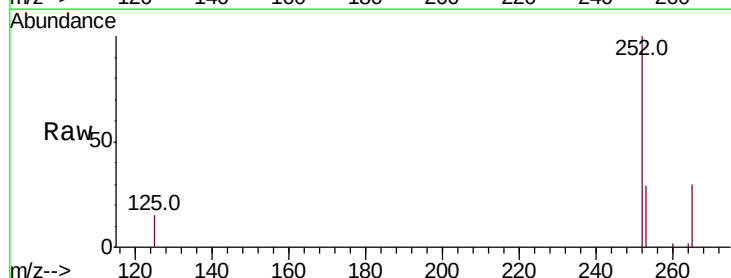
Tgt Ion:252 Resp: 6498

Ion Ratio Lower Upper

252 100

253 29.4 23.4 35.2

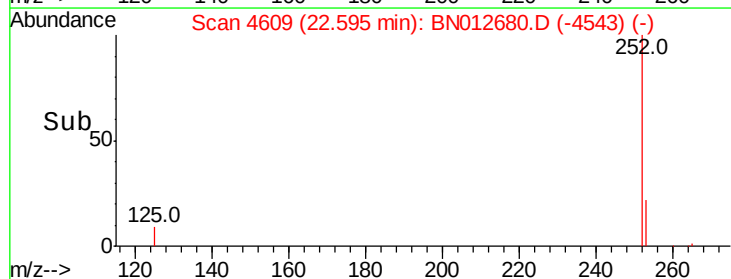
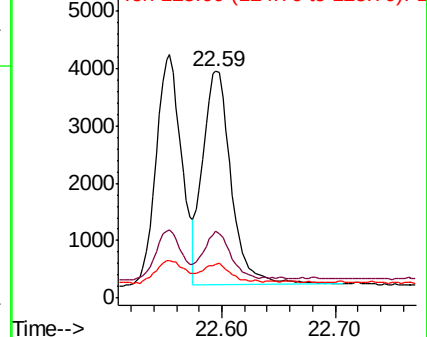
125 15.0 10.2 15.2

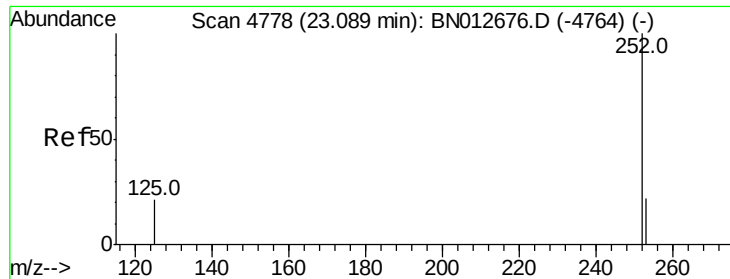


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.397 ng/ul

RT: 23.09 min Scan# 4778

Delta R.T. -0.01 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

Instrument :

BNA_N

ClientSampleId :

SSTD0.410

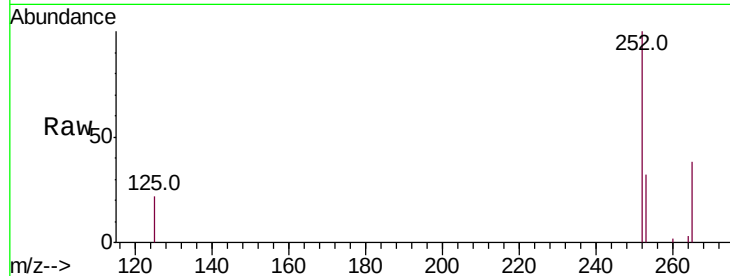
Tot Ion:252 Resp: 5790

Ion Ratio Lower Upper

252 100

253 31.7 27.6 41.4

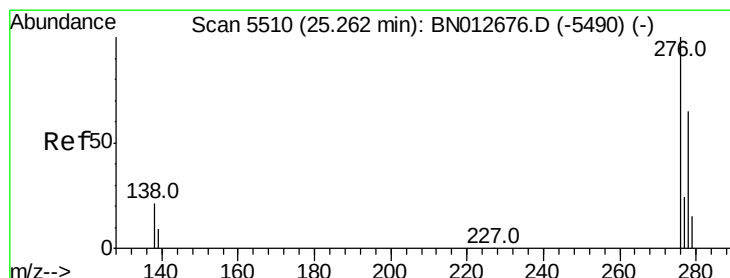
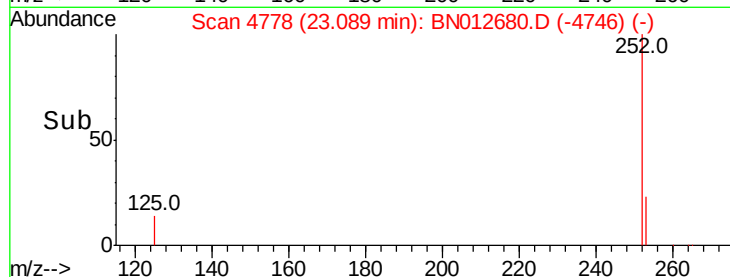
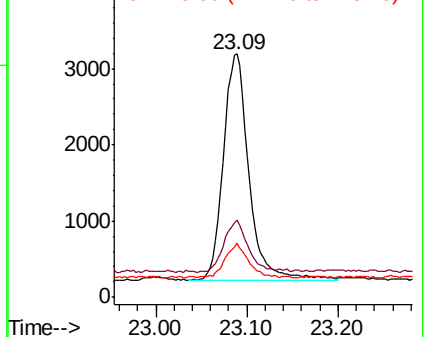
125 22.0 17.0 25.4



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: 0.386 ng/ul

RT: 25.26 min Scan# 5509

Delta R.T. -0.01 min

Lab File: BN012680.D

Acq: 21 Nov 2020 11:13

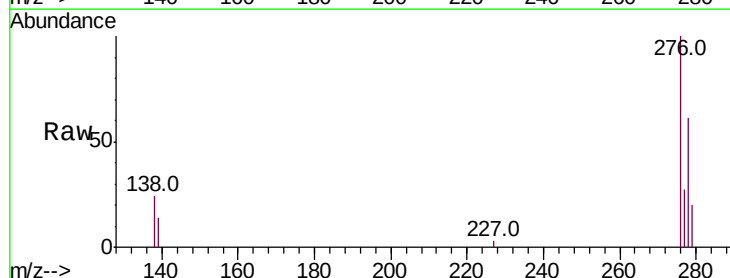
Tgt Ion:276 Resp: 7369

Ion Ratio Lower Upper

276 100

138 22.5 16.5 24.7

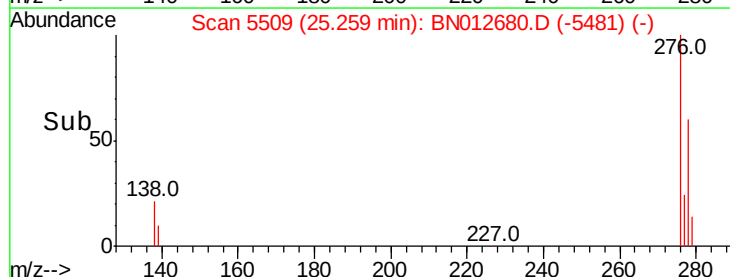
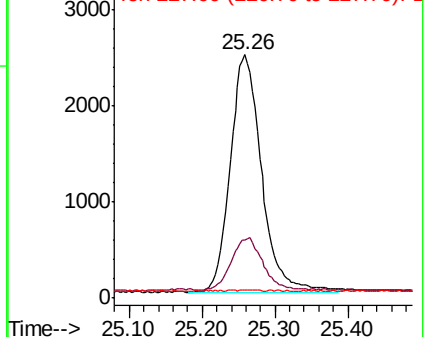
227 0.2 0.1 0.1#

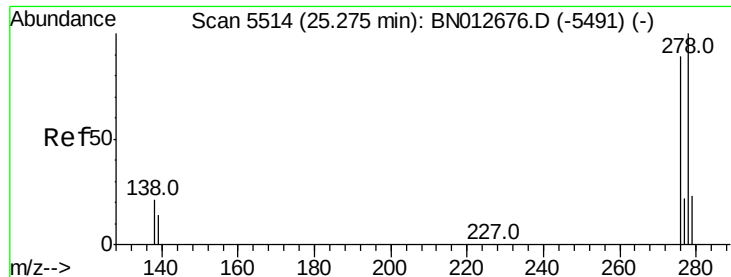


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



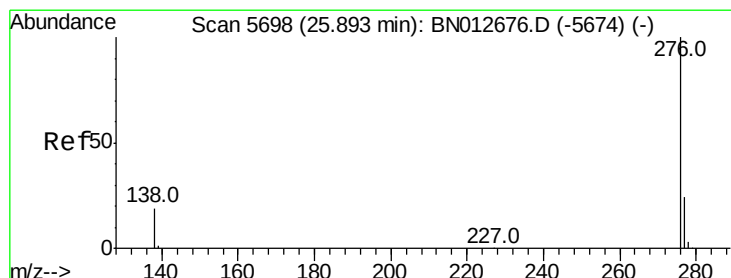
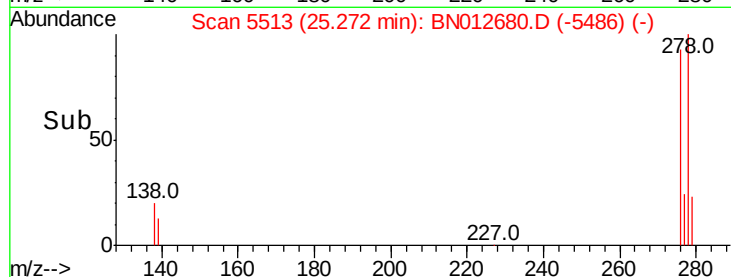
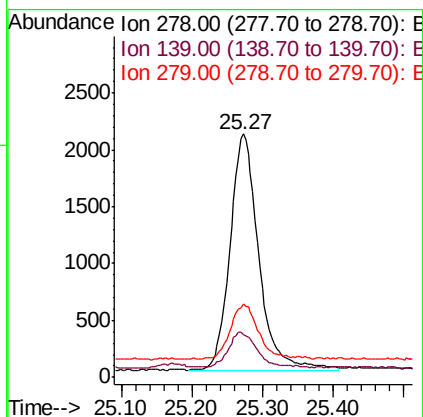
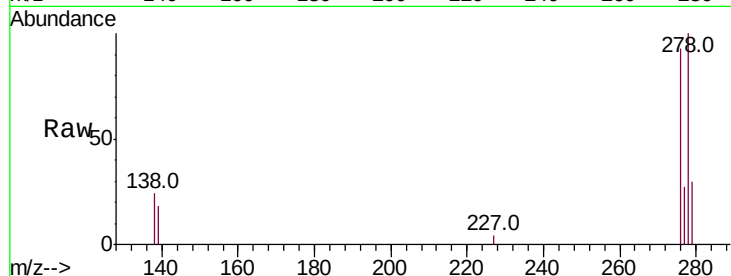


#25

Dibenzo(a,h)anthracene
Concen: 0.382 ng/ul
RT: 25.27 min Scan# 5513
Delta R.T. -0.01 min
Lab File: BN012680.D
Acq: 21 Nov 2020 11:13

Instrument :
BNA_N
ClientSampleId :
SSTD0.410

Tot Ion:278 Resp: 5866
Ion Ratio Lower Upper
278 100
139 17.7 13.8 20.8
279 30.1 25.6 38.4



#26

Benzo(g,h,i)perylene
Concen: 0.377 ng/ul
RT: 25.89 min Scan# 5697
Delta R.T. -0.01 min
Lab File: BN012680.D
Acq: 21 Nov 2020 11:13

Tgt Ion:276 Resp: 6486
Ion Ratio Lower Upper
276 100
138 22.9 16.3 24.5
277 25.7 21.8 32.8

