

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012690.D
 Acq On : 21 Nov 2020 17:34
 Operator : CG/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.411

Quant Time: Nov 23 01:25:36 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 01:22:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	1036	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	3962	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2033	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	3863	0.40	ng/ul	0.00
16) Chrysene-d12	21.07	240	3260	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3545	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	2230	0.39	ng/ul	-0.01
14) Fluoranthene-d10	18.89	212	3859	0.38	ng/ul	0.00

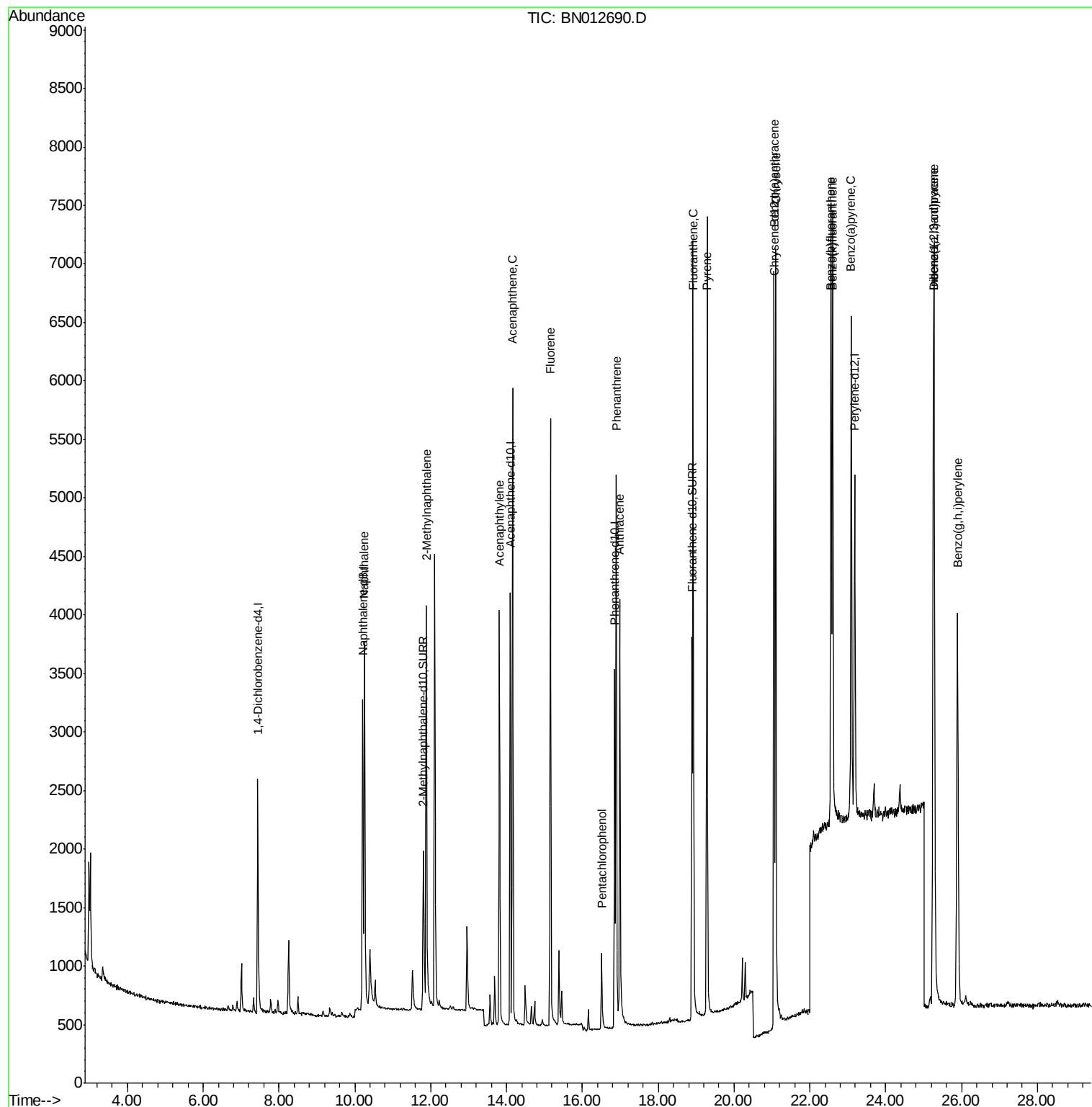
Target Compounds						Ovalue
3) Naphthalene	10.26	128	4704	0.394	ng/ul	97
5) 2-Methylnaphthalene	11.89	142	3088	0.406	ng/ul	98
7) Acenaphthylene	13.82	152	4264	0.430	ng/ul	98
8) Acenaphthene	14.16	153	3240	0.388	ng/ul	99
9) Fluorene	15.16	166	3494	0.380	ng/ul	98
11) Pentachlorophenol	16.51	266	522	0.425	ng/ul	97
12) Phenanthrene	16.89	178	5323	0.396	ng/ul	97
13) Anthracene	16.99	178	4756	0.407	ng/ul	97
15) Fluoranthene	18.92	202	5995	0.386	ng/ul	97
17) Pyrene	19.29	202	6249	0.429	ng/ul	96
18) Benzo(a)anthracene	21.05	228	5407	0.463	ng/ul	98
19) Chrysene	21.10	228	6293	0.431	ng/ul	99
21) Benzo(b)fluoranthene	22.56	252	6483	0.398	ng/ul	97
22) Benzo(k)fluoranthene	22.60	252	6748	0.359	ng/ul	97
23) Benzo(a)pyrene	23.09	252	6072	0.396	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.26	276	7880	0.393	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.27	278	6197	0.384	ng/ul	96
26) Benzo(g,h,i)perylene	25.89	276	6787	0.376	ng/ul	96

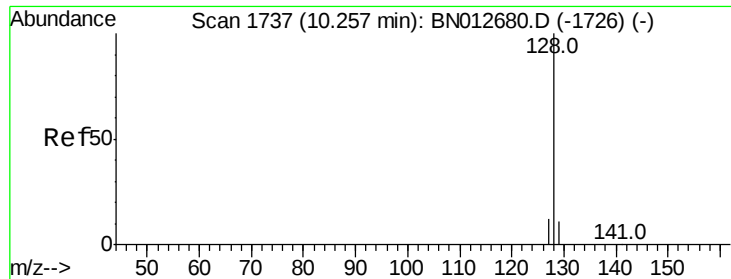
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN012690.D
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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: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

BNA_N

ClientSampleId :

SSTD0.411

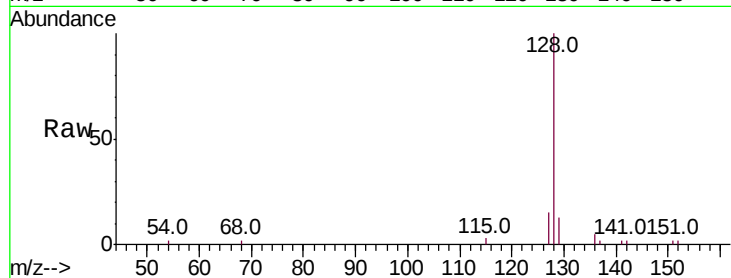
Tot Ion:128 Resp: 4704

Ion Ratio Lower Upper

128 100

129 12.7 11.2 16.8

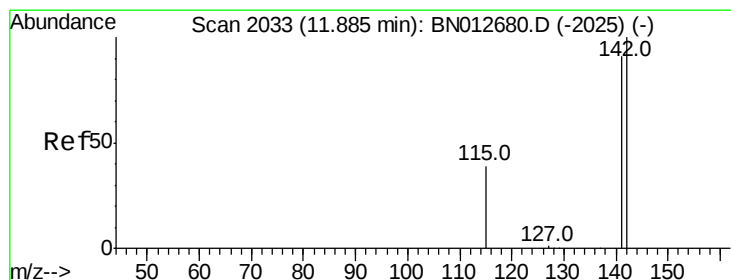
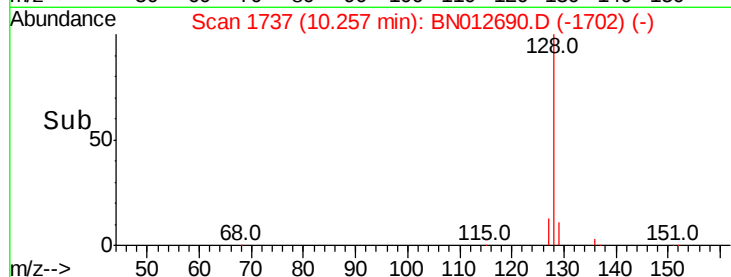
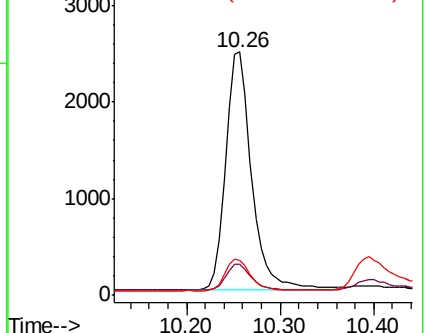
127 14.5 12.5 18.7



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: 0.406 ng/ul

RT: 11.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BN012690.D

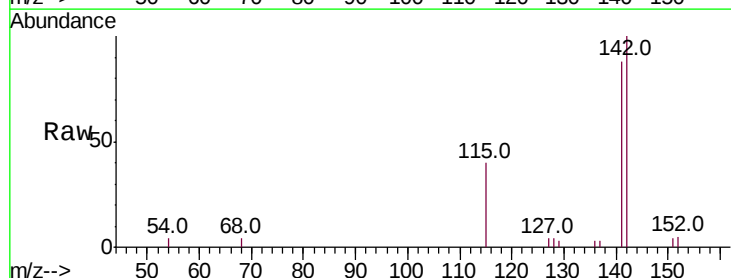
Acq: 21 Nov 2020 17:34

Tgt Ion:142 Resp: 3088

Ion Ratio Lower Upper

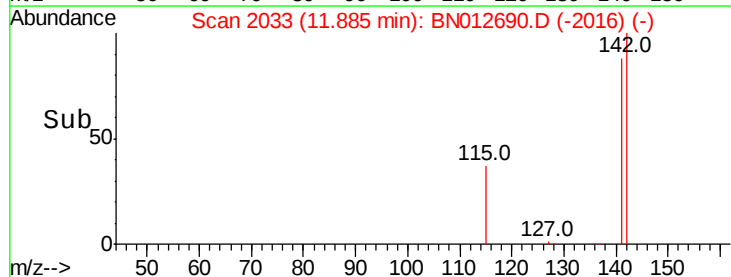
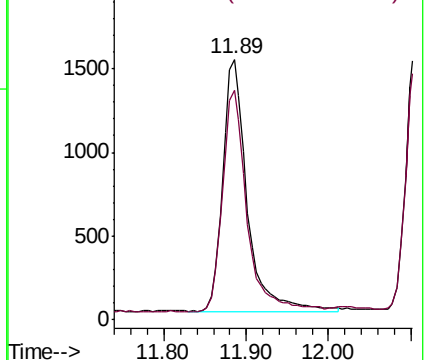
142 100

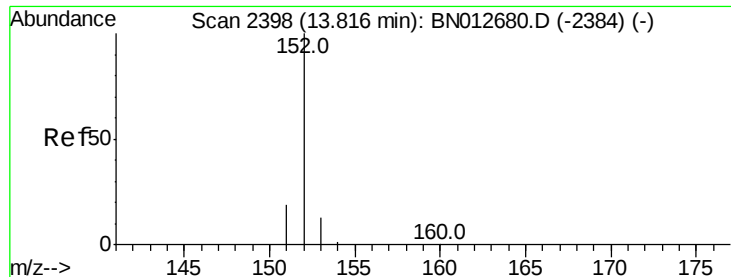
141 88.4 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.430 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

BNA_N

ClientSampleId :

SSTD0.411

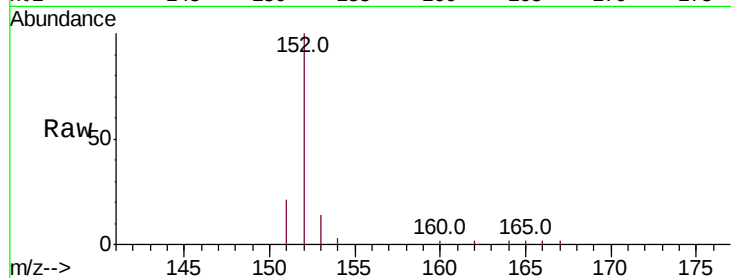
Tot Ion:152 Resp: 4264

Ion Ratio Lower Upper

152 100

151 21.3 17.1 25.7

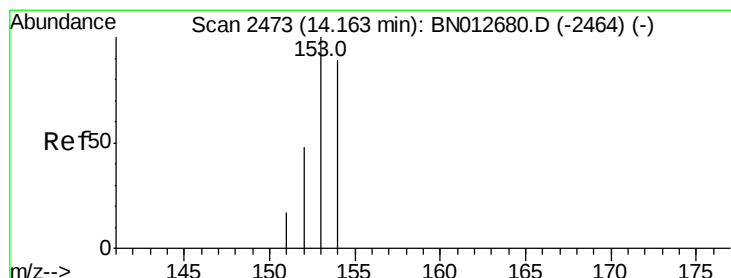
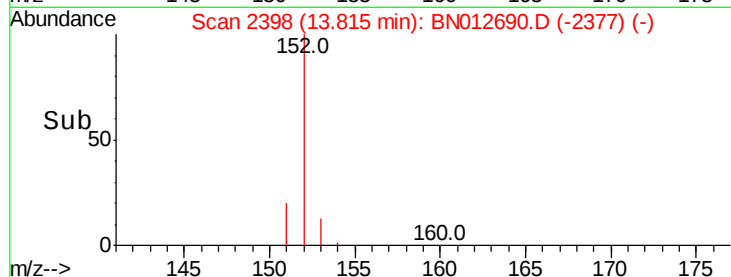
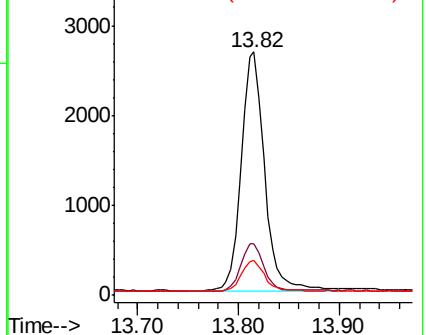
153 14.4 12.6 19.0



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: 0.388 ng/ul

RT: 14.16 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

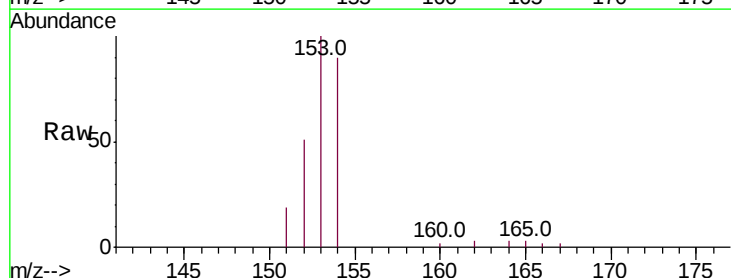
Tgt Ion:153 Resp: 3240

Ion Ratio Lower Upper

153 100

152 50.5 41.4 62.0

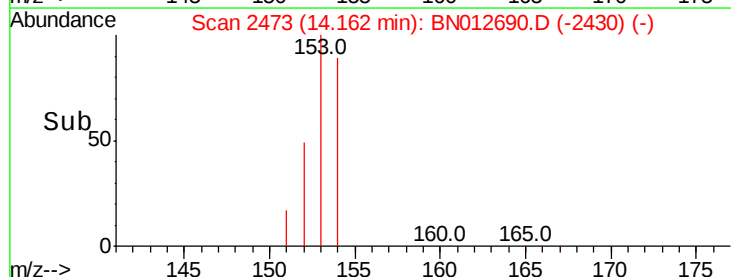
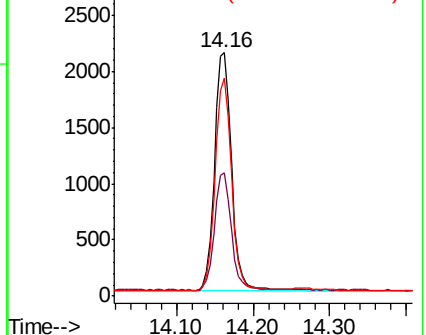
154 89.6 70.9 106.3

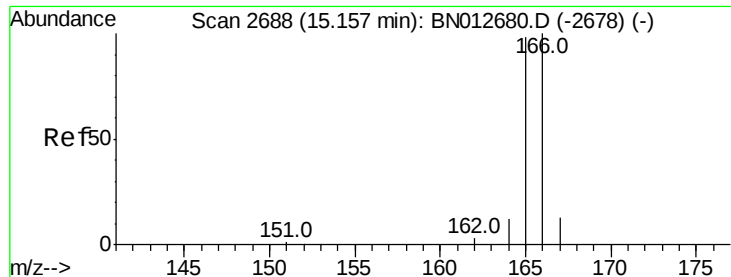


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.380 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

BNA_N

ClientSampleId :

SSTD0.411

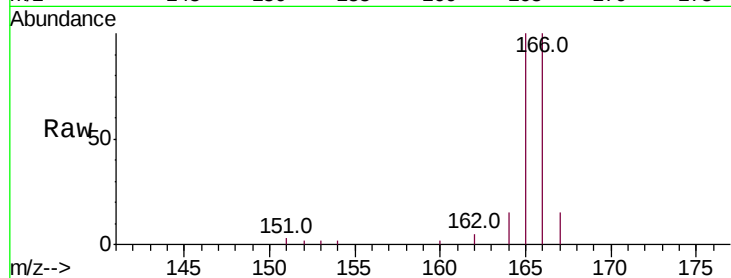
Tot Ion:166 Resp: 3494

Ion Ratio Lower Upper

166 100

165 100.0 78.5 117.7

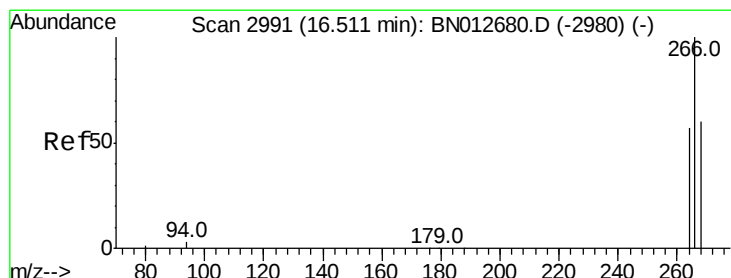
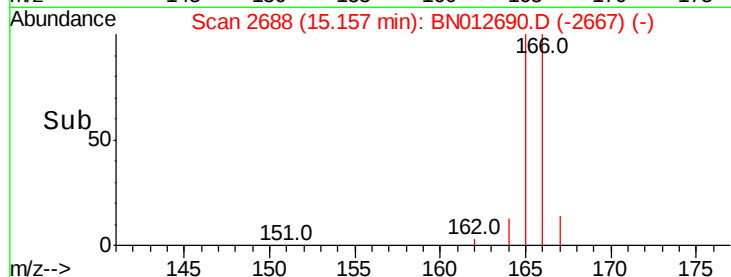
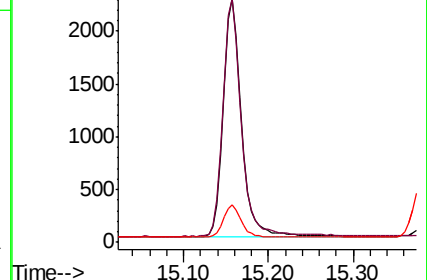
167 15.4 12.7 19.1



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: 0.425 ng/ul

RT: 16.51 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

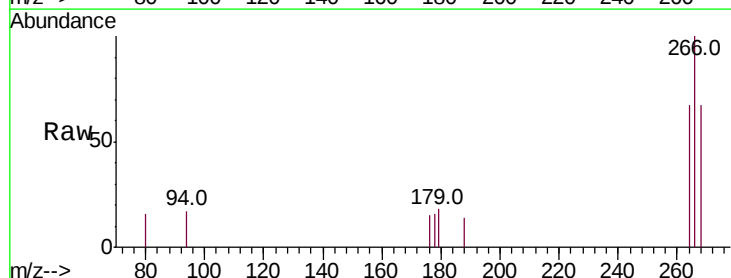
Tgt Ion:266 Resp: 522

Ion Ratio Lower Upper

266 100

264 63.0 51.0 76.6

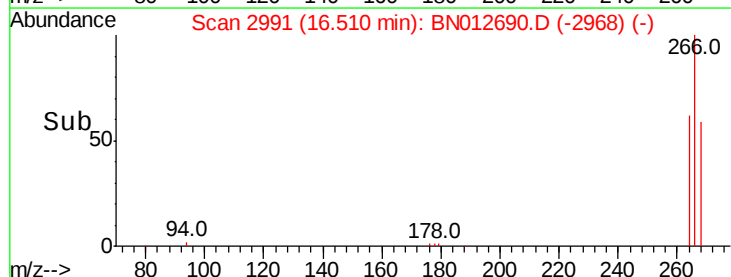
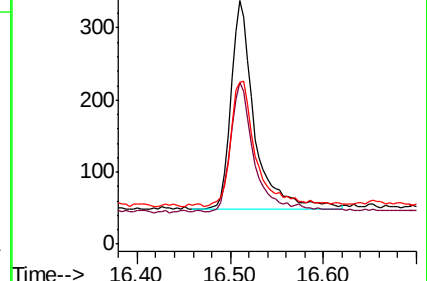
268 63.8 47.8 71.6

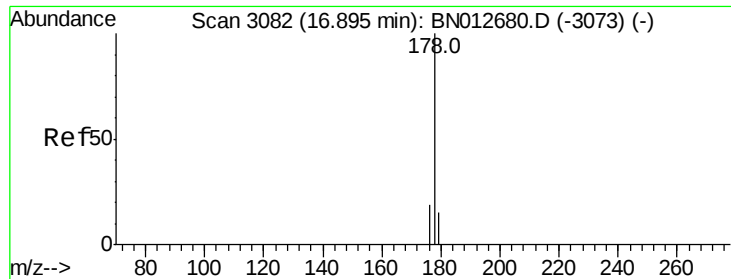


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.396 ng/ul

RT: 16.89 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

BNA_N

ClientSampleId :

SSTD0.411

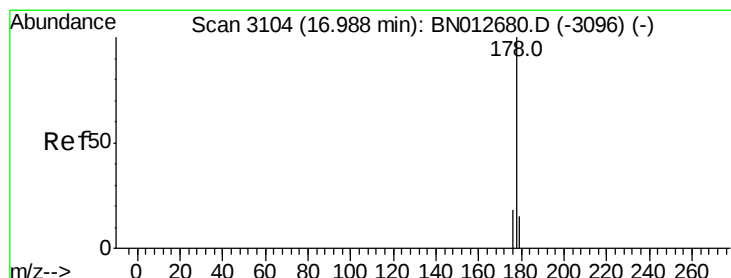
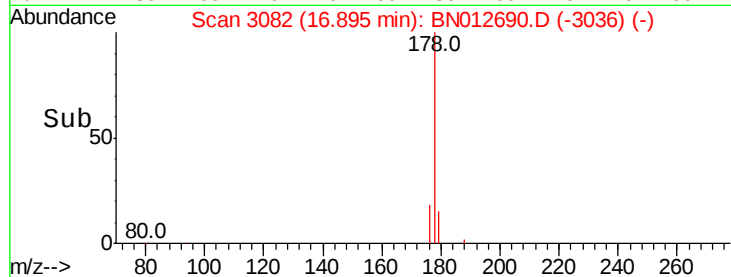
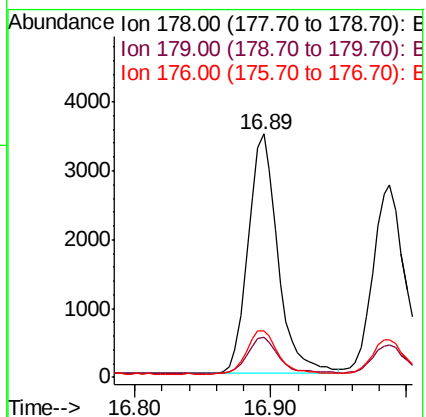
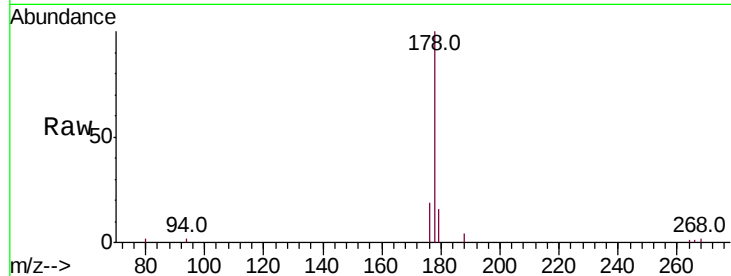
Tot Ion:178 Resp: 5323

Ion Ratio Lower Upper

178 100

179 16.3 13.8 20.6

176 19.2 16.7 25.1



#13

Anthracene

Concen: 0.407 ng/ul

RT: 16.99 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

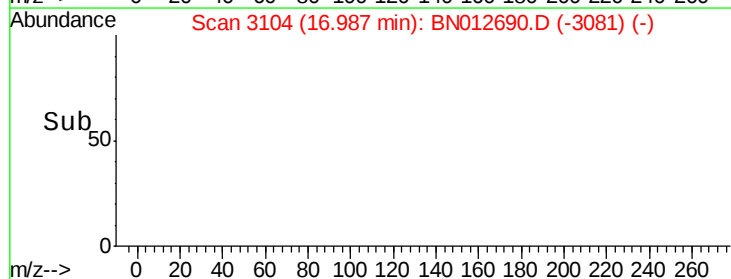
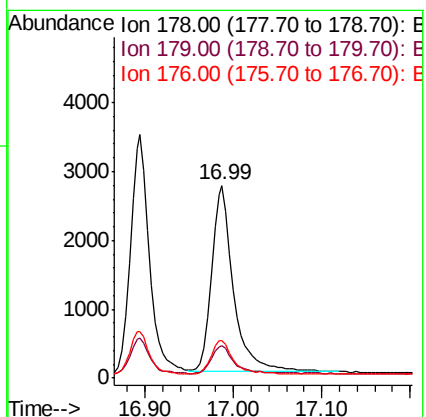
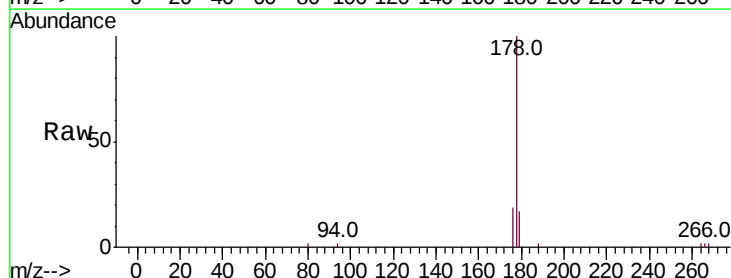
Tgt Ion:178 Resp: 4756

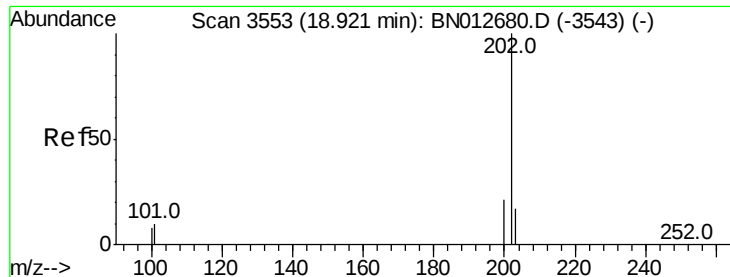
Ion Ratio Lower Upper

178 100

179 16.9 14.8 22.2

176 19.3 16.3 24.5





#15

Fluoranthene

Concen: 0.386 ng/ul

RT: 18.92 min Scan# 3553

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

BNA_N

ClientSampleId :

SSTD0.411

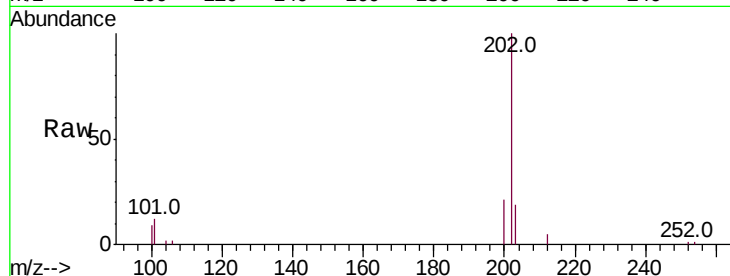
Tot Ion:202 Resp: 5995

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.5

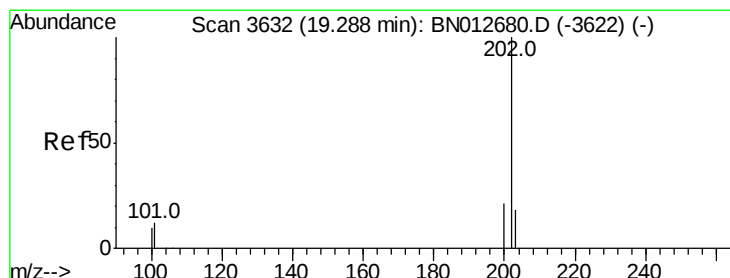
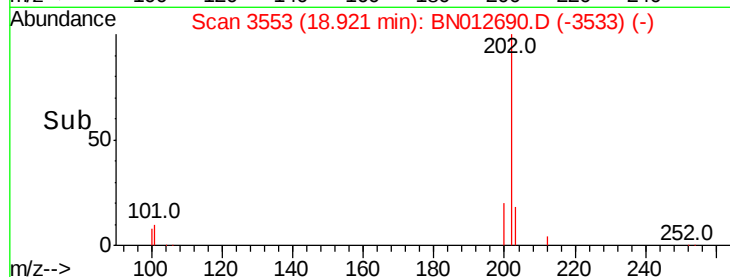
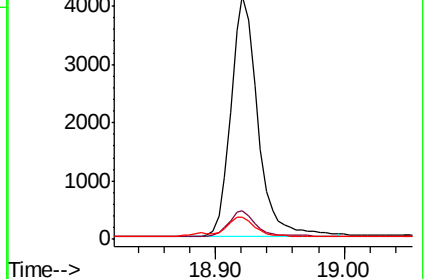
100 9.2 0.0 28.4



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: 0.429 ng/ul

RT: 19.29 min Scan# 3632

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

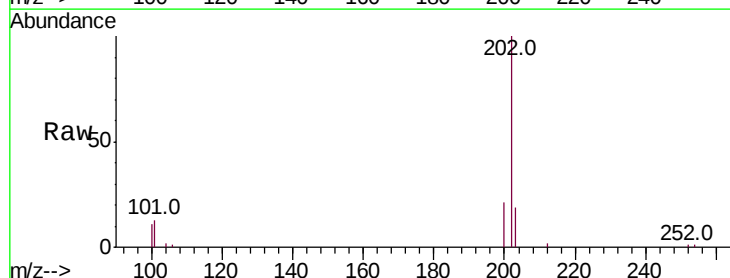
Tgt Ion:202 Resp: 6249

Ion Ratio Lower Upper

202 100

101 12.8 8.9 13.3

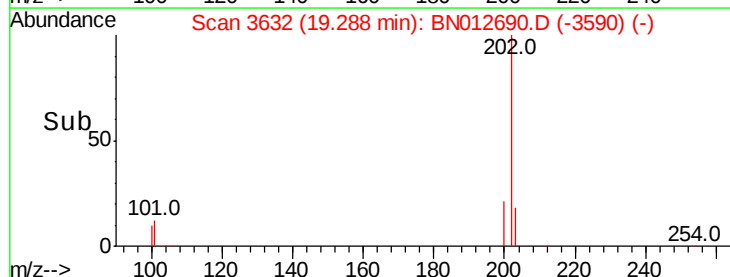
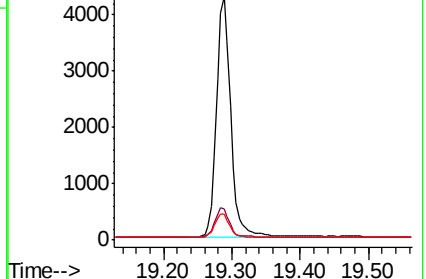
100 10.9 7.4 11.2

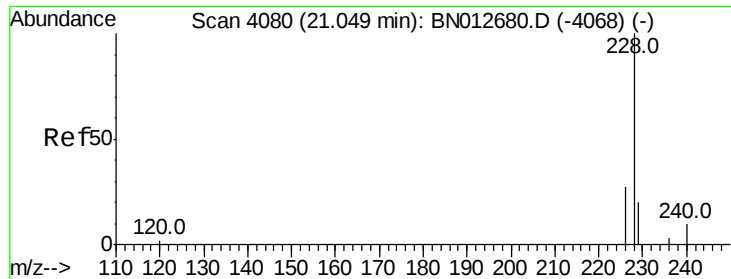


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.463 ng/ul

RT: 21.05 min Scan# 4080

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

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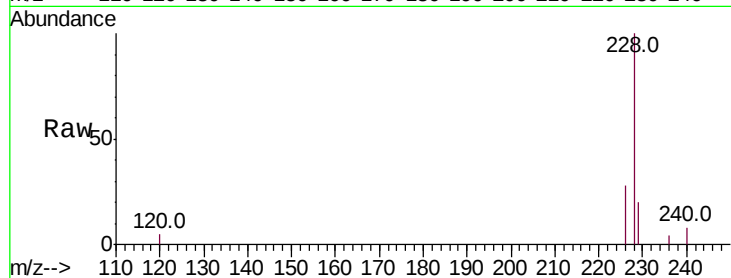
Tot Ion:228 Resp: 5407

Ion Ratio Lower Upper

228 100

229 19.8 16.9 25.3

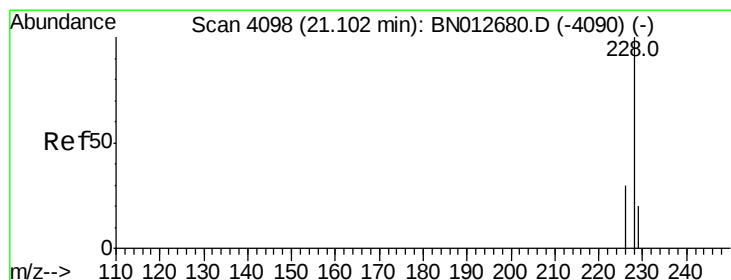
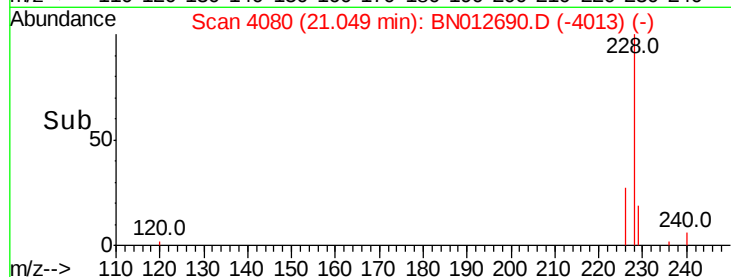
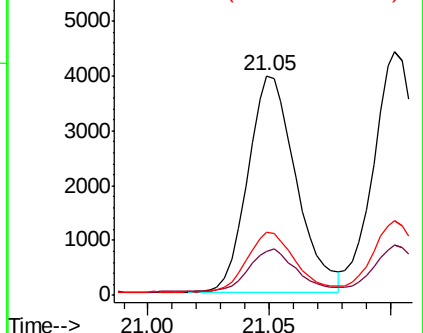
226 28.5 23.1 34.7



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: 0.431 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

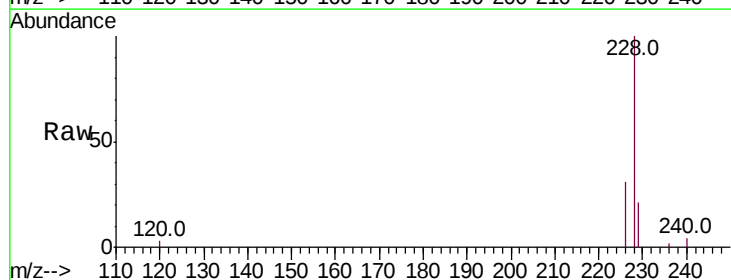
Tgt Ion:228 Resp: 6293

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

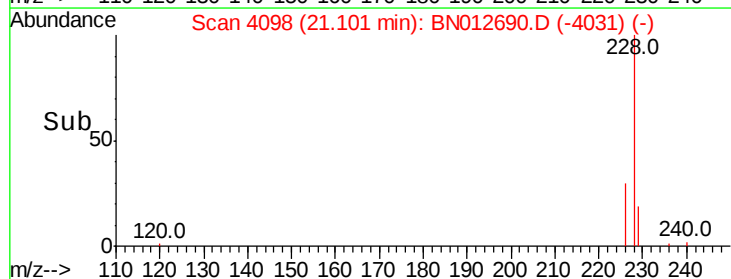
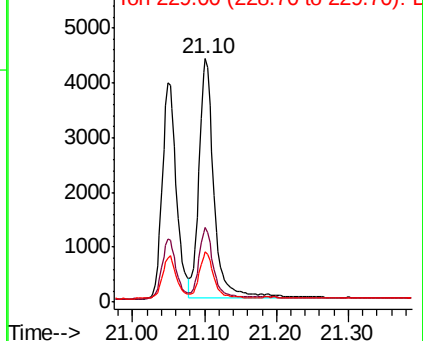
229 20.7 16.1 24.1

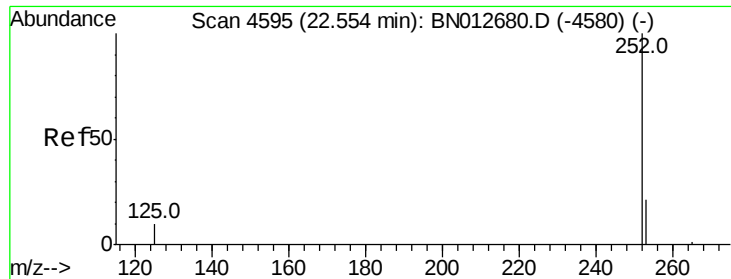


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.398 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

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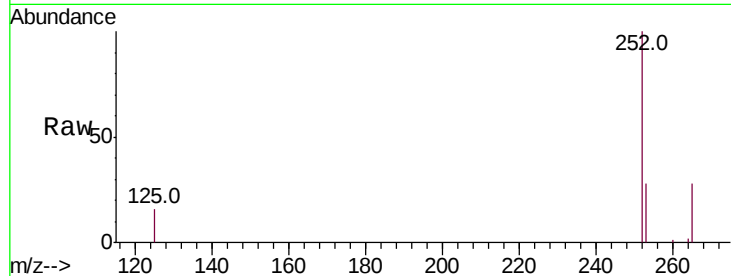
Tot Ion:252 Resp: 6483

Ion Ratio Lower Upper

252 100

253 28.1 0.0 58.4

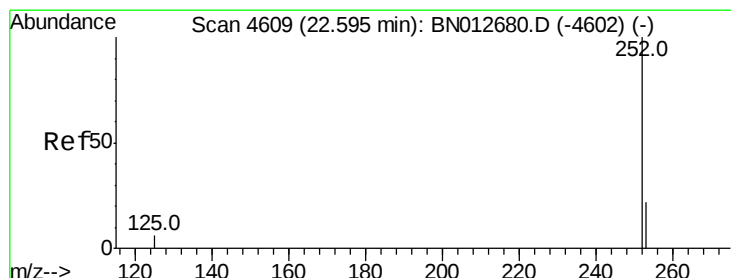
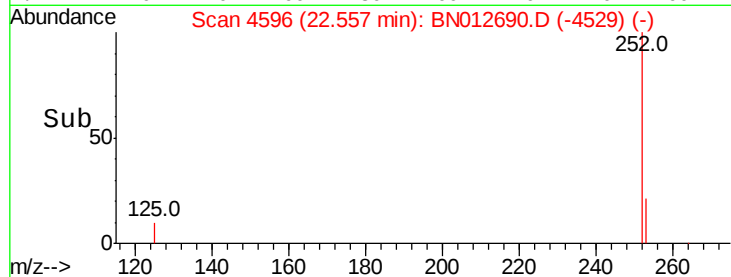
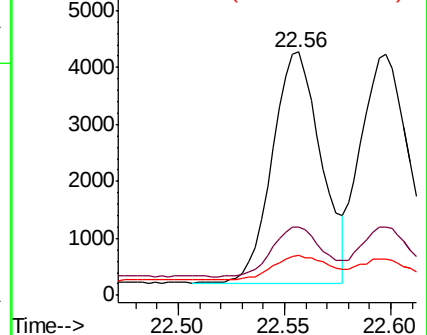
125 16.4 0.0 28.6



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: 0.359 ng/ul

RT: 22.60 min Scan# 4610

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

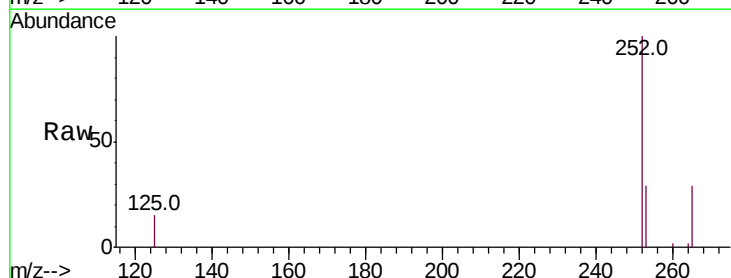
Tgt Ion:252 Resp: 6748

Ion Ratio Lower Upper

252 100

253 28.5 23.4 35.2

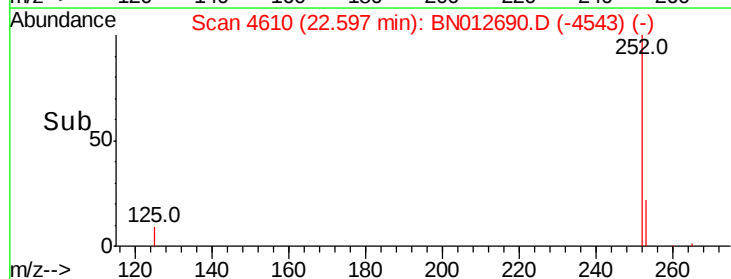
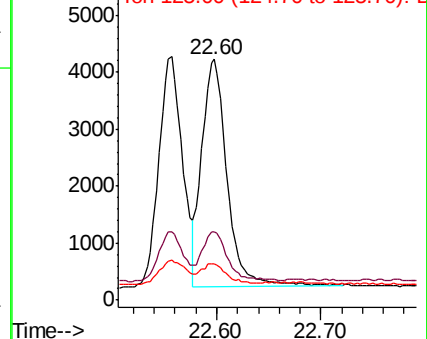
125 15.1 10.2 15.2

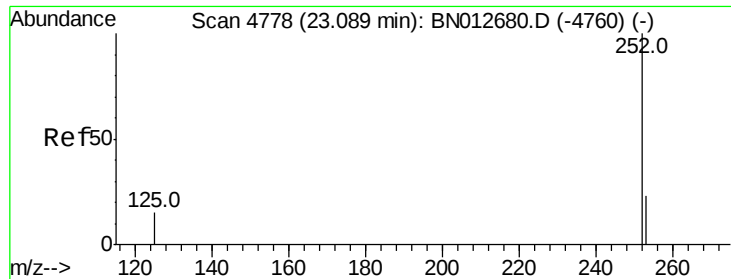


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.396 ng/u1

RT: 23.09 min Scan# 4778

Delta R.T. -0.01 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

Instrument :

BNA_N

ClientSampleId :

SSTD0.411

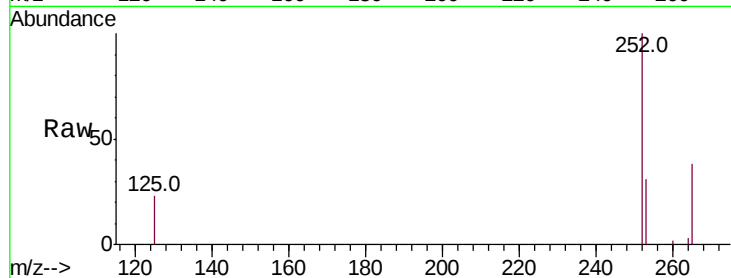
Tot Ion:252 Resp: 6072

Ion Ratio Lower Upper

252 100

253 30.8 27.6 41.4

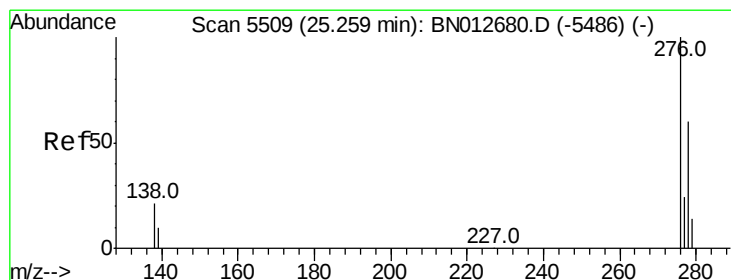
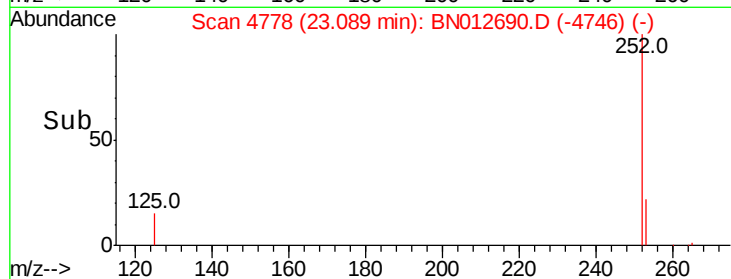
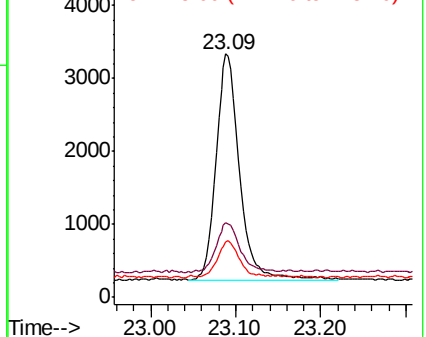
125 22.7 17.0 25.4



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: 0.393 ng/u1

RT: 25.26 min Scan# 5510

Delta R.T. -0.00 min

Lab File: BN012690.D

Acq: 21 Nov 2020 17:34

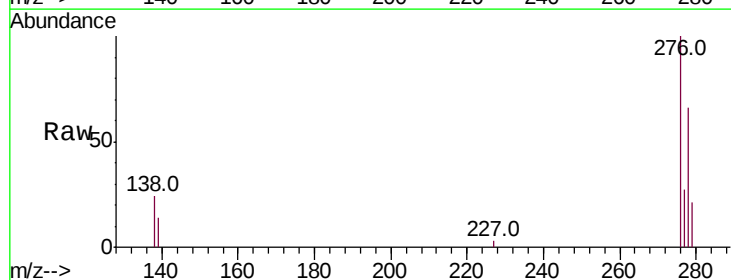
Tgt Ion:276 Resp: 7880

Ion Ratio Lower Upper

276 100

138 22.0 16.5 24.7

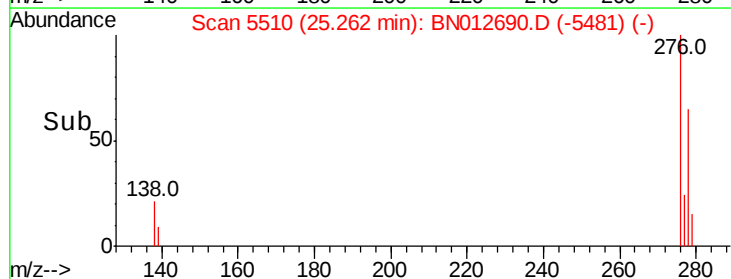
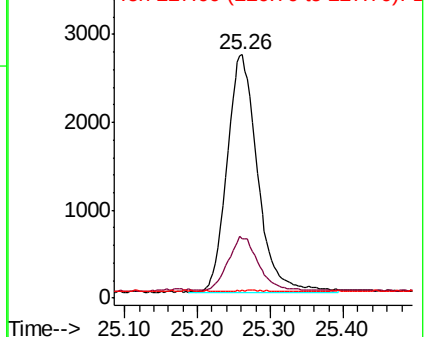
227 0.3 0.1 0.1#

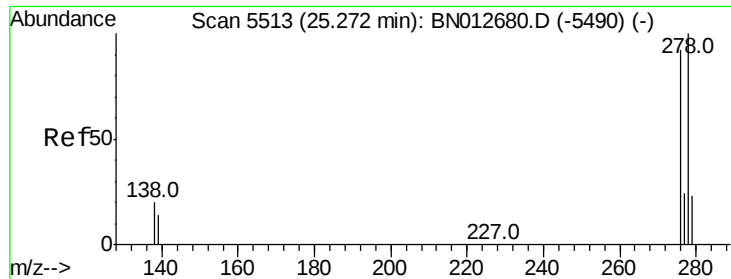


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



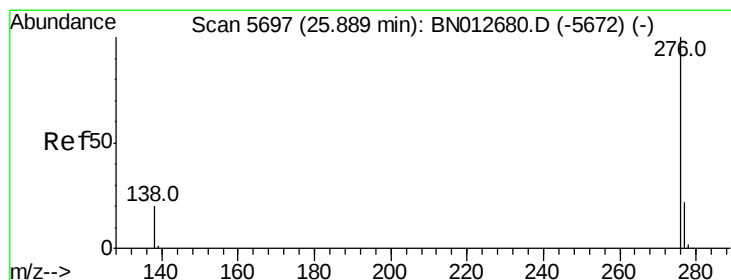
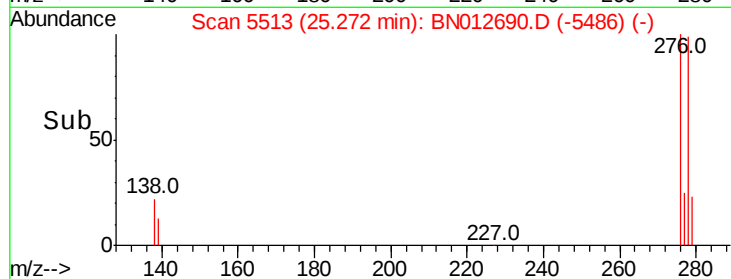
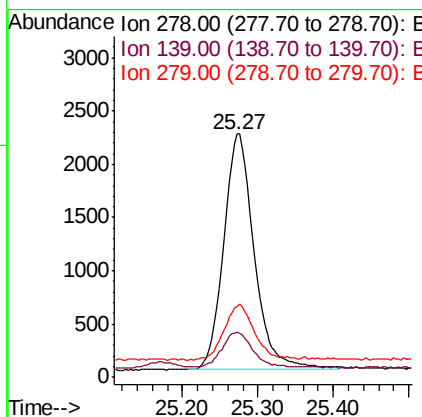
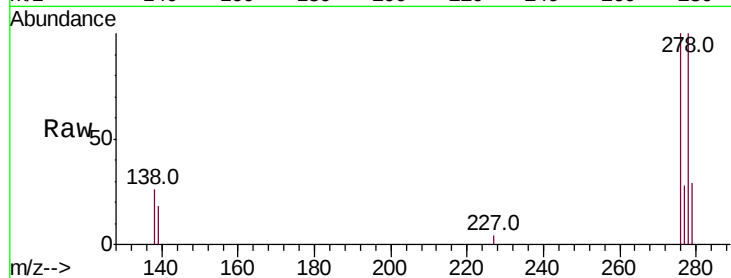


#25
Dibenzo(a,h)anthracene
Concen: 0.384 ng/ul
RT: 25.27 min Scan# 5513
Delta R.T. -0.01 min
Lab File: BN012690.D
Acq: 21 Nov 2020 17:34

Instrument :
BNA_N
ClientSampleId :
SSTD0.411

Tot Ion:278 Resp: 6197

Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.8	20.8
279	29.3	25.6	38.4



#26
Benzo(g,h,i)perylene
Concen: 0.376 ng/ul
RT: 25.89 min Scan# 5697
Delta R.T. -0.01 min
Lab File: BN012690.D
Acq: 21 Nov 2020 17:34

Tgt Ion:276 Resp: 6787

Ion	Ratio	Lower	Upper
276	100		
138	23.0	16.3	24.5
277	25.9	21.8	32.8

