

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012278.D
 Acq On : 16 Oct 2020 21:52
 Operator : CG/JU
 Sample : L4201-13DL 5X
 Misc :
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AP3DL

Quant Time: Oct 16 23:50:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 23:42:05 2020
 Response via : Initial Calibration

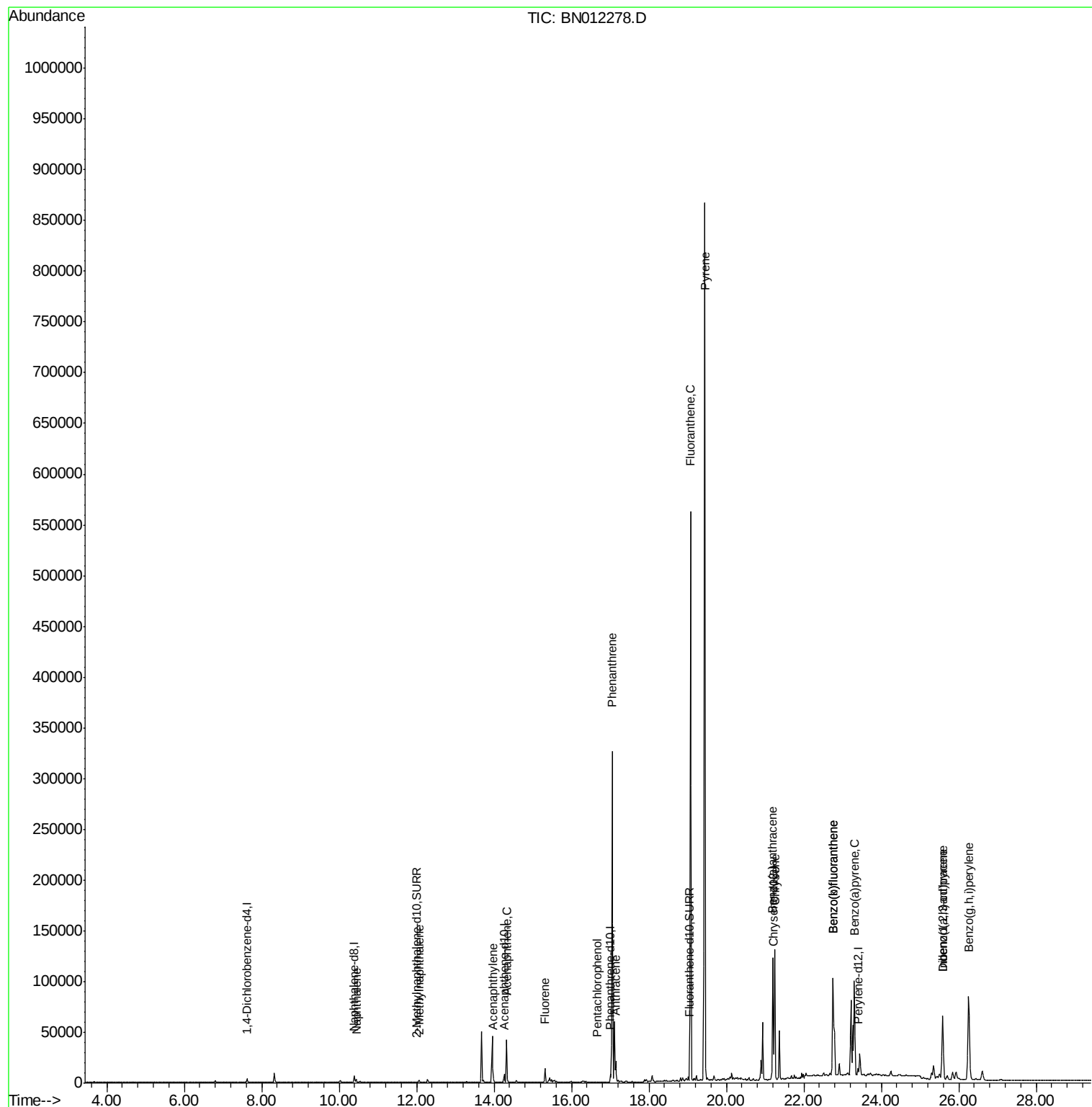
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1994	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	8314	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4624	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9458	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7520	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7721	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	389	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	839	0.03	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	4287	0.179	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	1839	0.121	ng/ul	99
7) Acenaphthylene	13.98	152	4737	0.236	ng/ul	96
8) Acenaphthene	14.32	153	23528	1.388	ng/ul	99
9) Fluorene	15.31	166	8762	0.464	ng/ul	98
11) Pentachlorophenol	16.66	266	221	0.081	ng/ul	94
12) Phenanthrene	17.05	178	332602	11.032	ng/ul	97
13) Anthracene	17.14	178	20860	0.807	ng/ul	98
15) Fluoranthene	19.07	202	467585	13.263	ng/ul	99
17) Pyrene	19.44	202	714498	21.074	ng/ul	99
18) Benzo(a)anthracene	21.20	228	99206	3.562	ng/ul	97
19) Chrysene	21.25	228	120322	3.546	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	200027	6.414	ng/ul	88
22) Benzo(k)fluoranthene	22.75	252	200027	5.795	ng/ul#	90
23) Benzo(a)pyrene	23.31	252	124488	4.103	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.58	276	104594	2.684	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.59	278	15435	0.495	ng/ul#	94
26) Benzo(g,h,i)perylene	26.25	276	160917	4.505	ng/ul	97

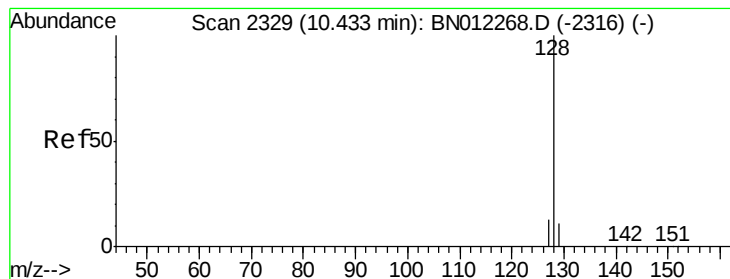
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.179 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

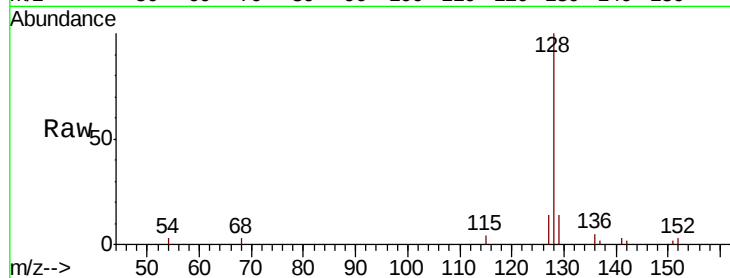
BNA_N

ClientSampleId :

C0AP3DL

Tot Ion:128 Resp: 4287

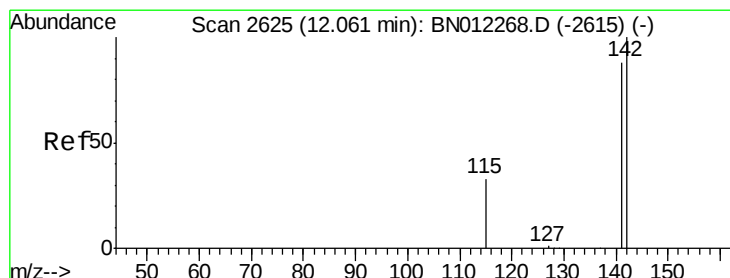
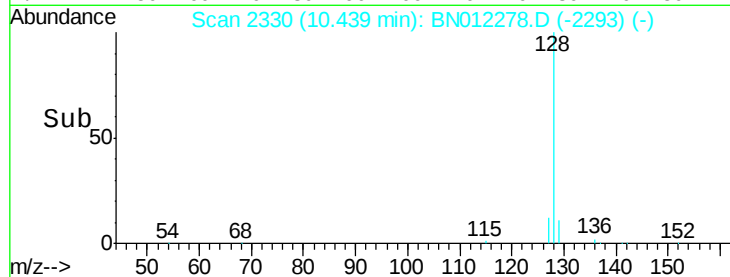
Ion	Ratio	Lower	Upper
128	100		
129	13.7	10.3	15.5
127	14.3	11.9	17.9



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: 0.121 ng/ul

RT: 12.06 min Scan# 2625

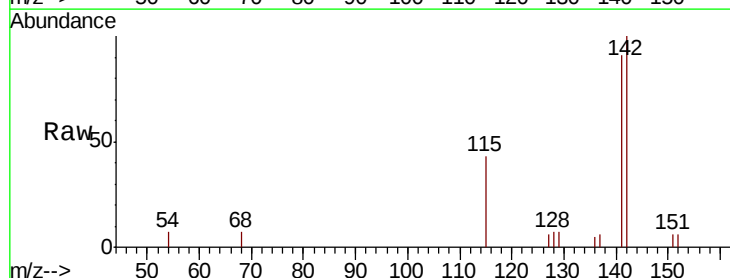
Delta R.T. -0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

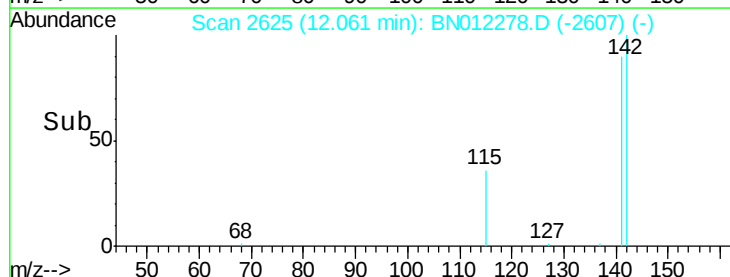
Tgt Ion:142 Resp: 1839

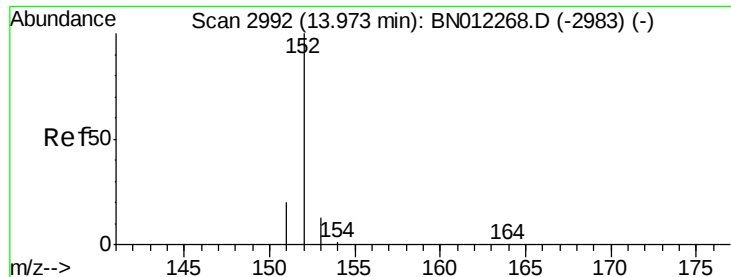
Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.7	107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.236 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

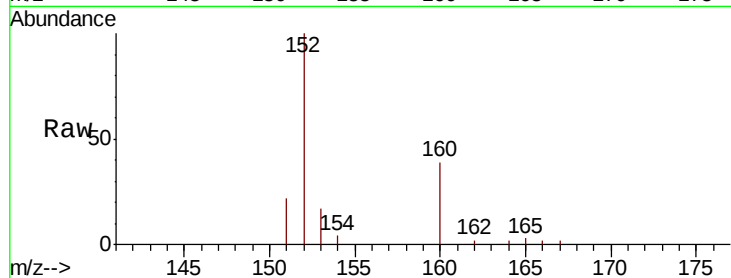
Tot Ion:152 Resp: 4737

Ion Ratio Lower Upper

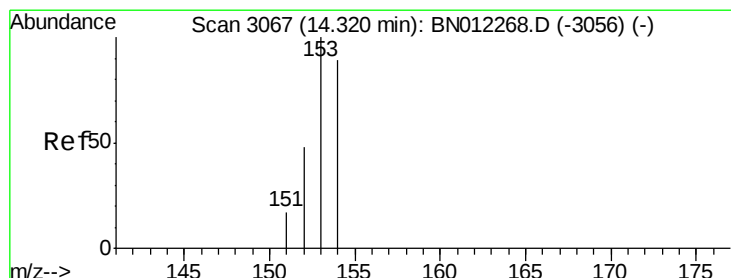
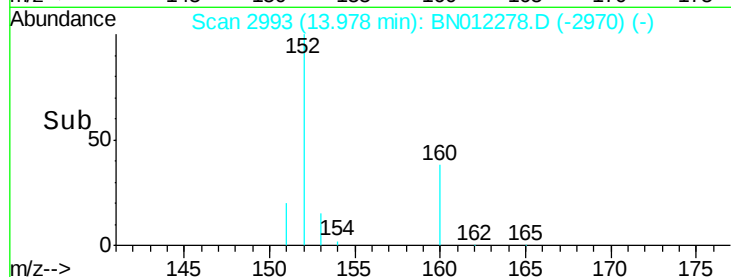
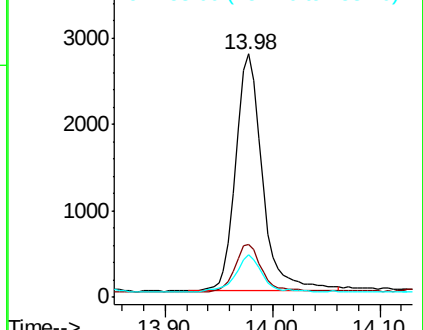
152 100

151 21.7 16.7 25.1

153 17.4 11.8 17.8



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: 1.388 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

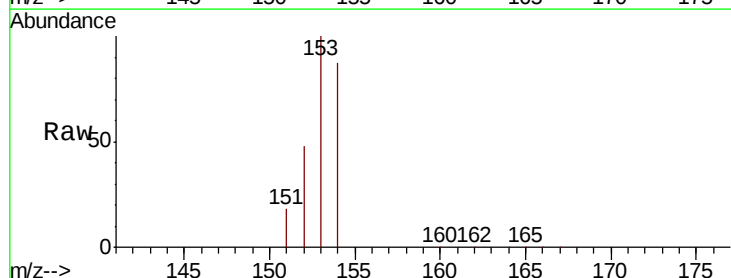
Tgt Ion:153 Resp: 23528

Ion Ratio Lower Upper

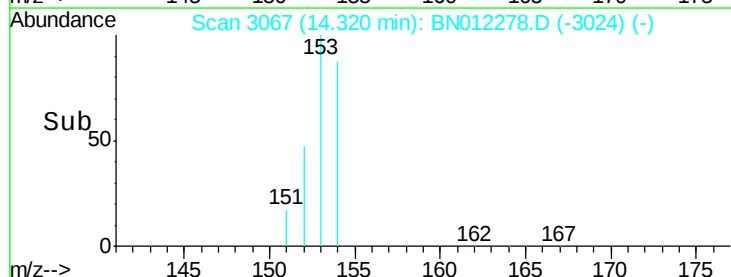
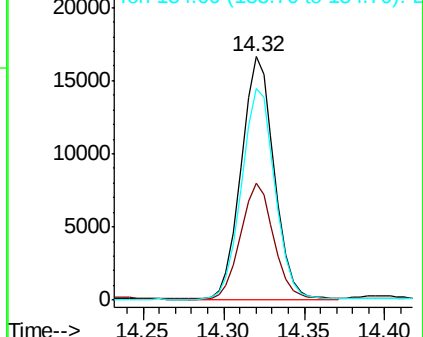
153 100

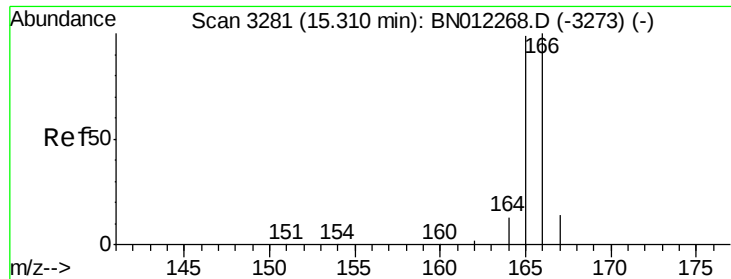
152 47.8 38.2 57.2

154 87.0 71.1 106.7



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: 0.464 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

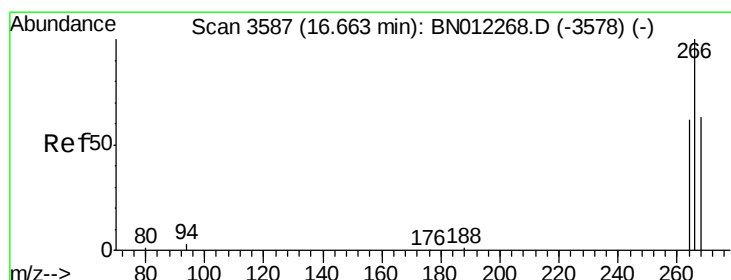
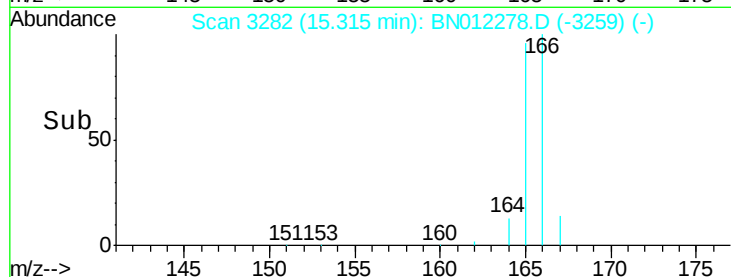
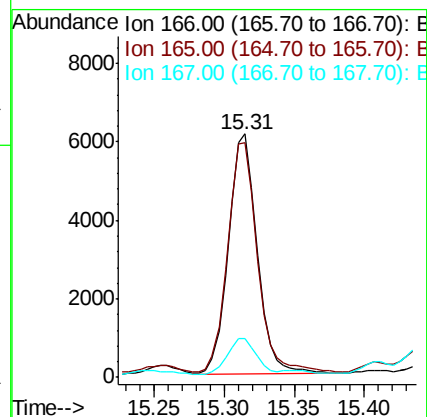
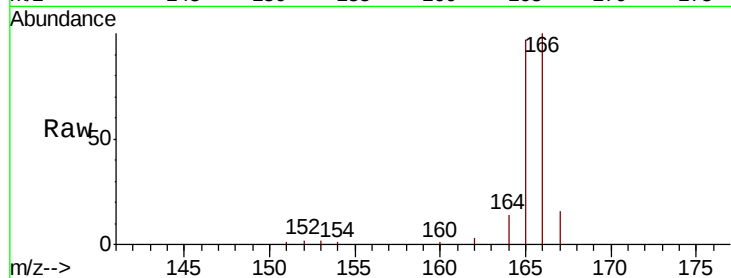
Tot Ion:166 Resp: 8762

Ion Ratio Lower Upper

166 100

165 96.5 78.6 118.0

167 15.9 11.9 17.9



#11

Pentachlorophenol

Concen: 0.081 ng/ul

RT: 16.66 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

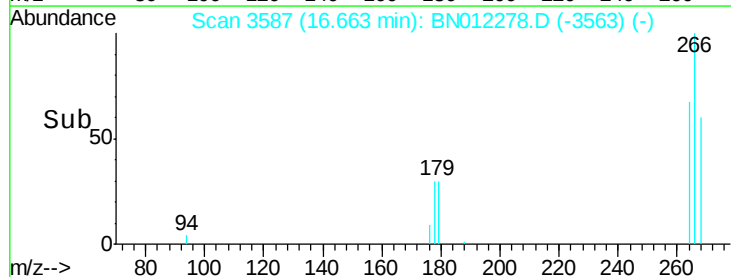
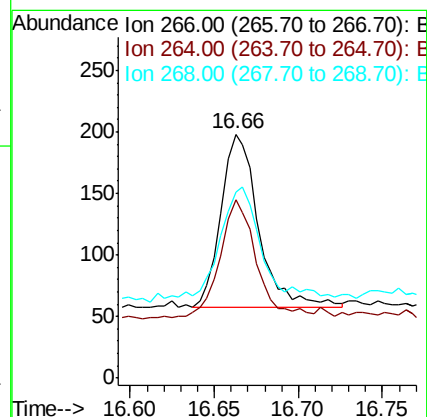
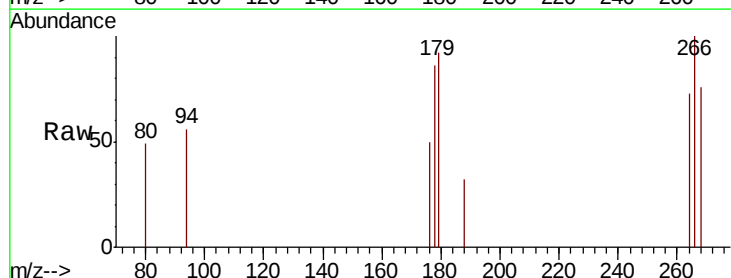
Tgt Ion:266 Resp: 221

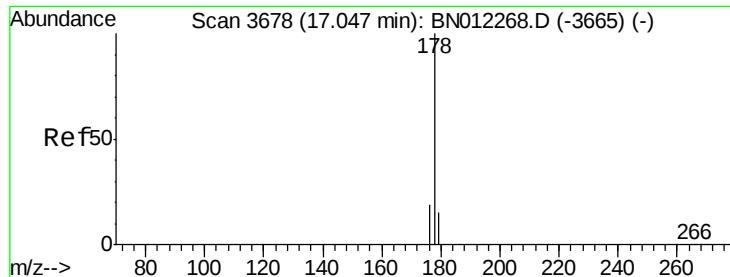
Ion Ratio Lower Upper

266 100

264 67.4 50.3 75.5

268 70.6 52.4 78.6





#12

Phenanthrene

Concen: 11.032 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

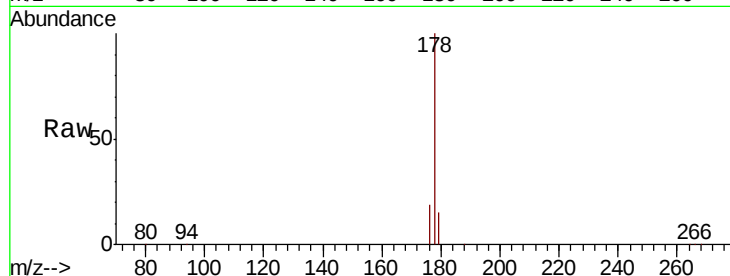
Tot Ion:178 Resp: 332602

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

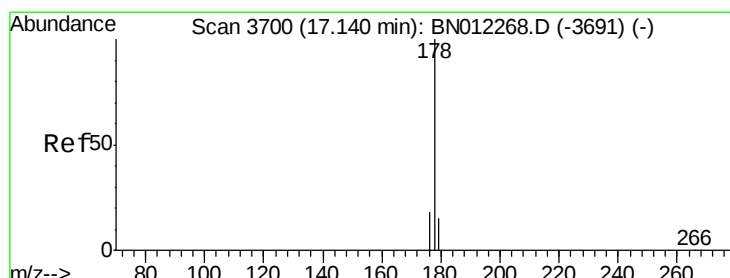
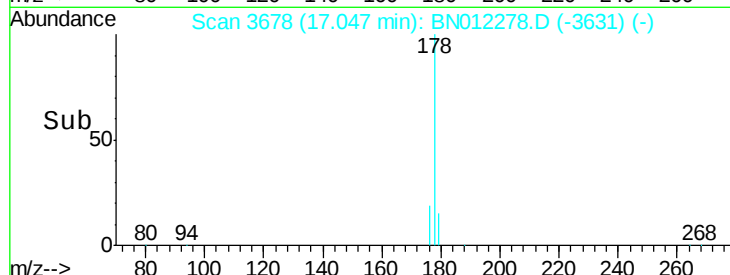
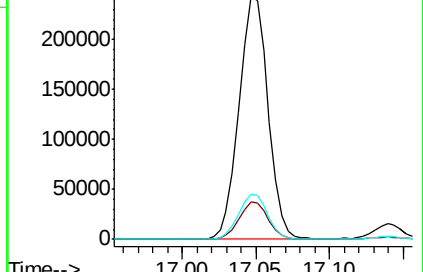
176 18.7 15.7 23.5



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



#13

Anthracene

Concen: 0.807 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

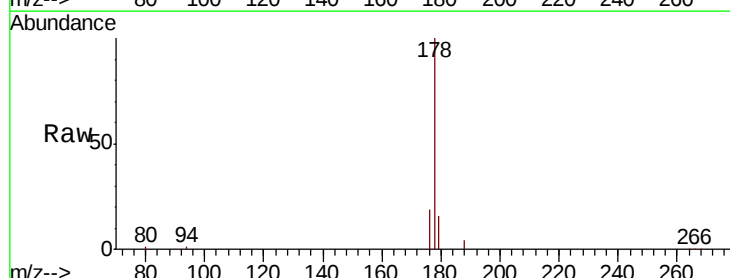
Tgt Ion:178 Resp: 20860

Ion Ratio Lower Upper

178 100

179 15.9 13.9 20.9

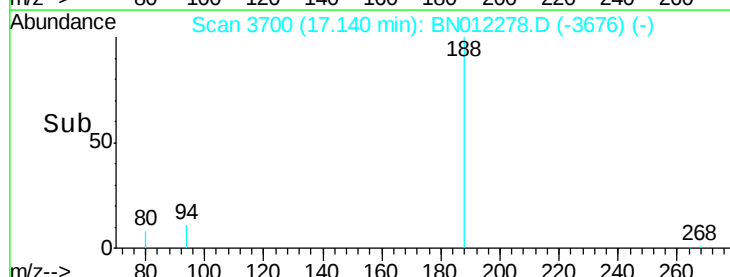
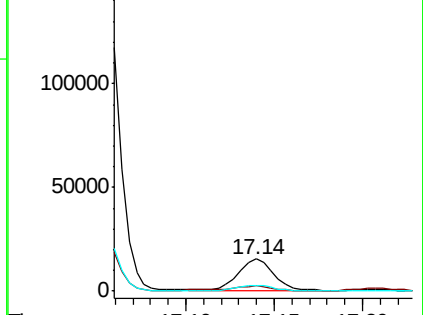
176 18.7 15.4 23.0

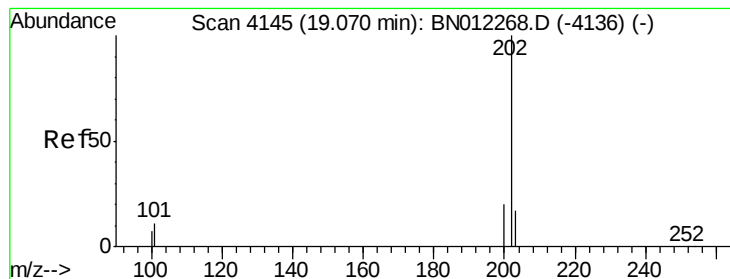


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 13.263 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

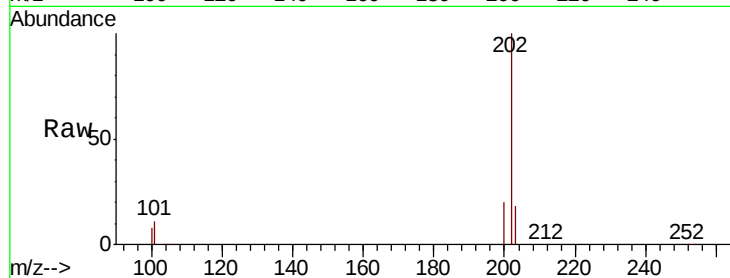
Tot Ion:202 Resp: 467585

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.0

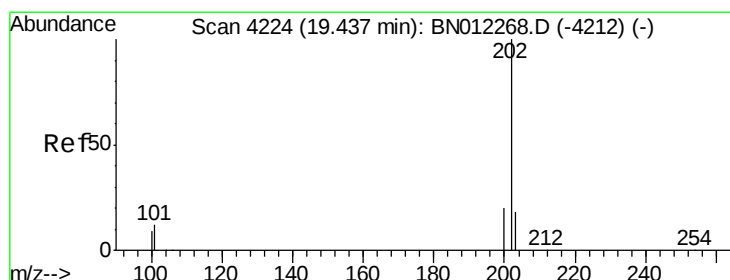
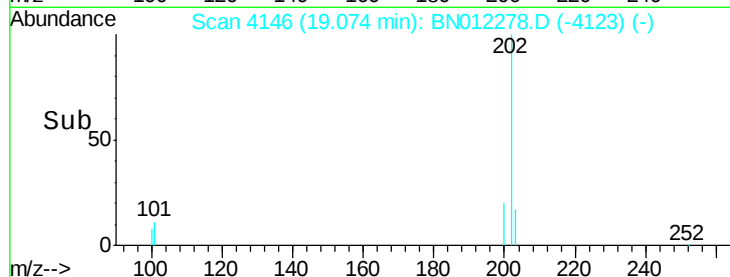
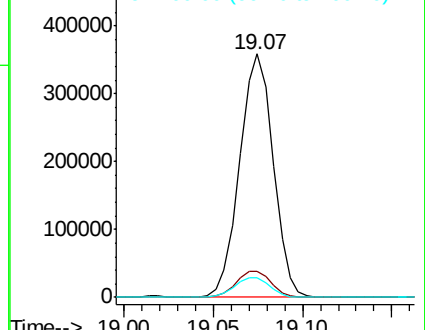
100 8.2 0.0 28.7



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

Pyrene

Concen: 21.074 ng/ul

RT: 19.44 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

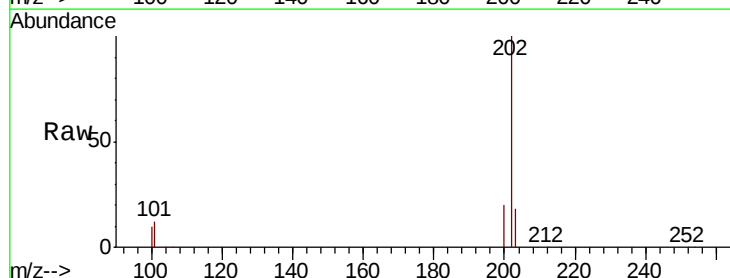
Tgt Ion:202 Resp: 714498

Ion Ratio Lower Upper

202 100

101 12.1 9.9 14.9

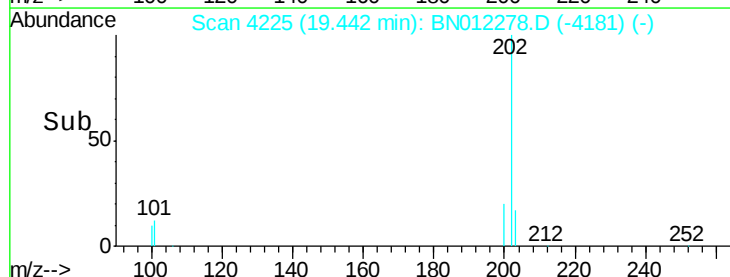
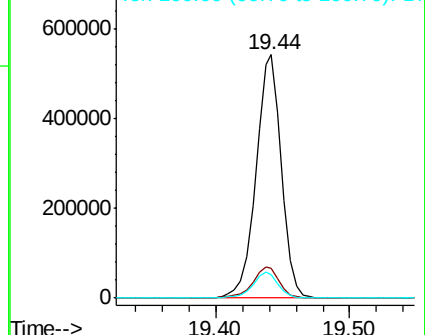
100 9.8 8.0 12.0

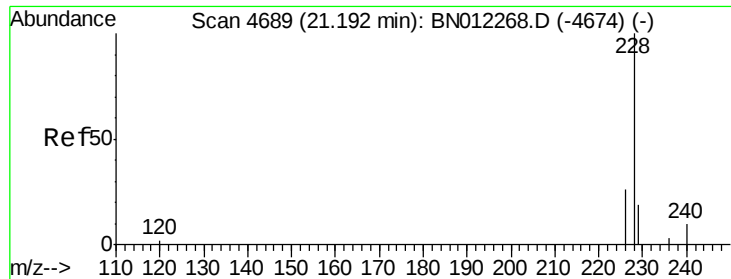


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.562 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. 0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

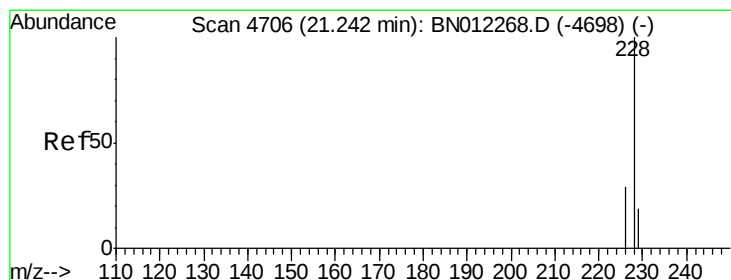
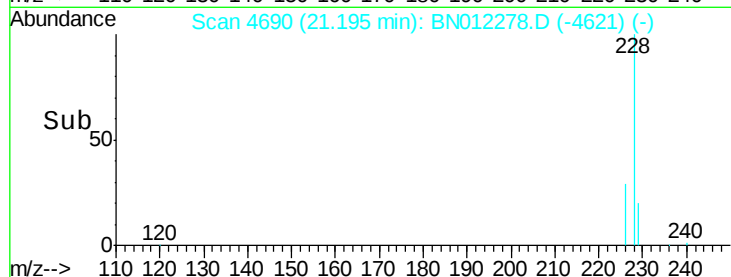
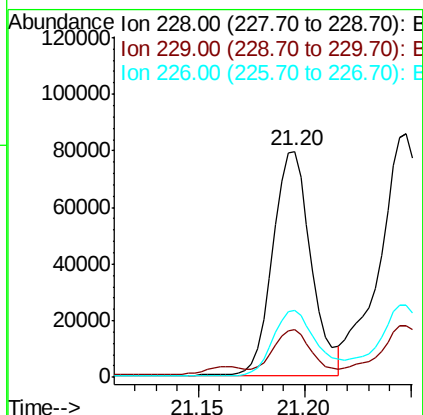
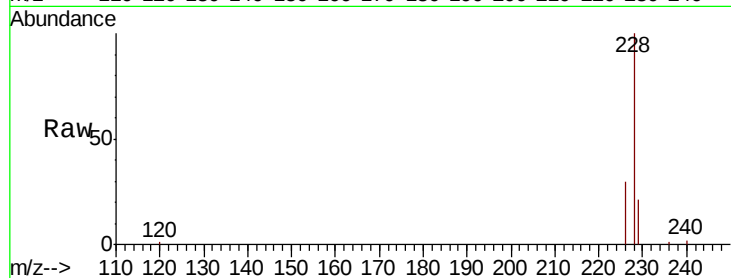
Tot Ion:228 Resp: 99206

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.8

226 29.5 22.6 33.8



#19

Chrysene

Concen: 3.546 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. 0.01 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

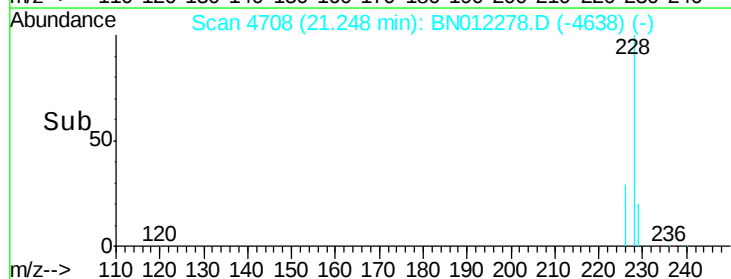
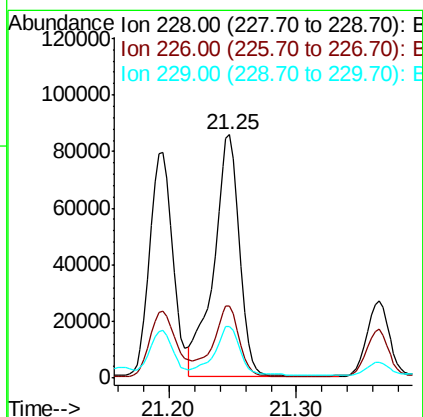
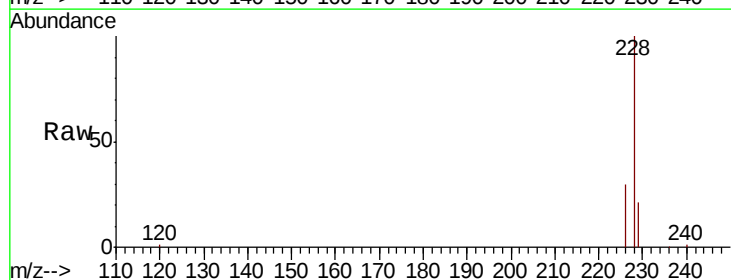
Tgt Ion:228 Resp: 120322

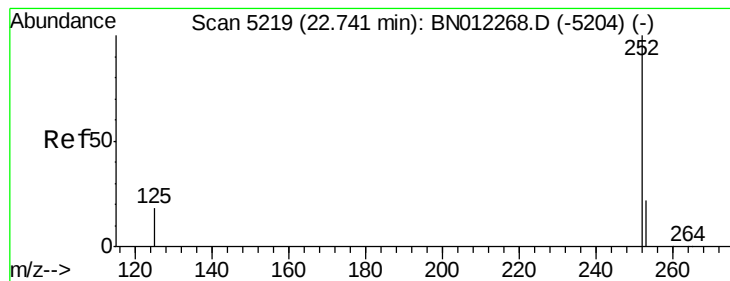
Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

229 21.5 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 6.414 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. 0.01 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

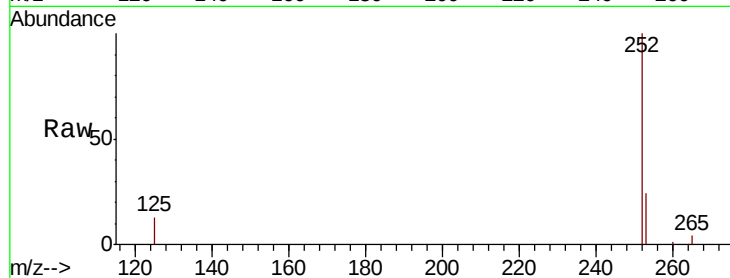
Tot Ion:252 Resp: 200027

Ion Ratio Lower Upper

252 100

253 24.1 0.0 61.6

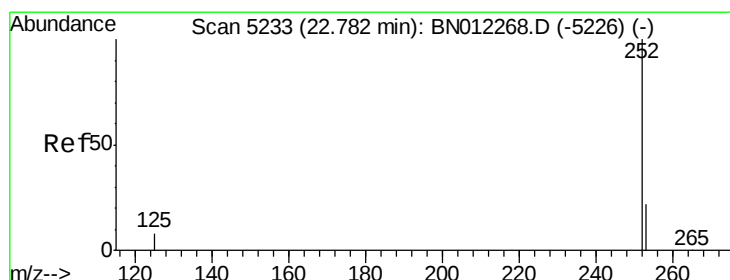
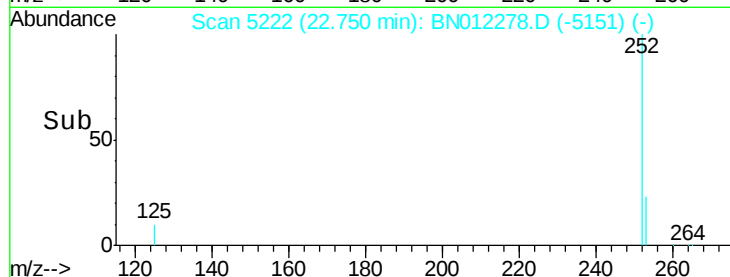
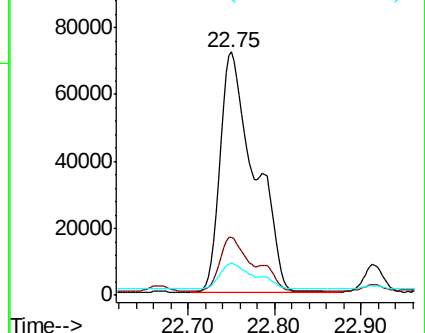
125 13.1 0.0 36.8



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: 5.795 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. -0.03 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

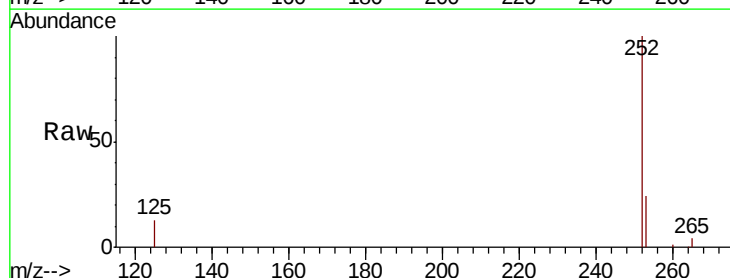
Tgt Ion:252 Resp: 200027

Ion Ratio Lower Upper

252 100

253 24.1 24.4 36.6#

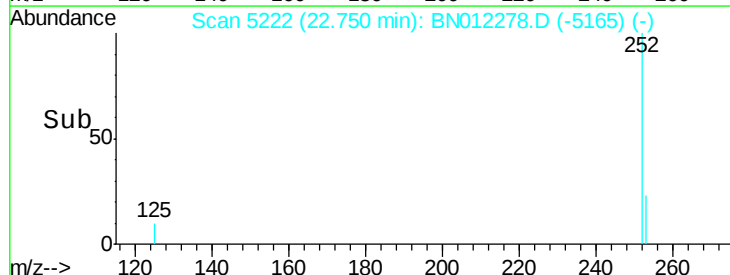
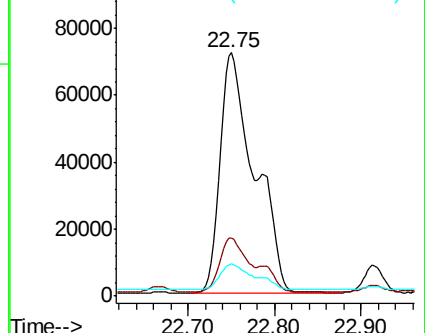
125 13.1 12.9 19.3

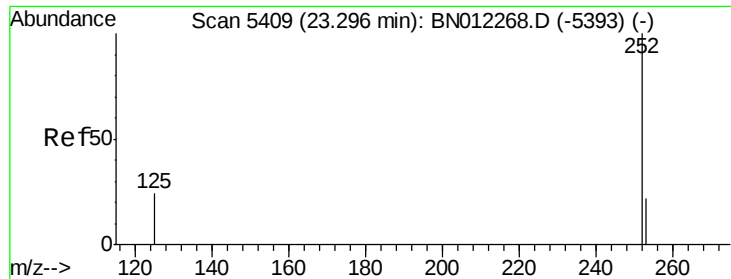


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 4.103 ng/ul

RT: 23.31 min Scan# 5412

Delta R.T. 0.01 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

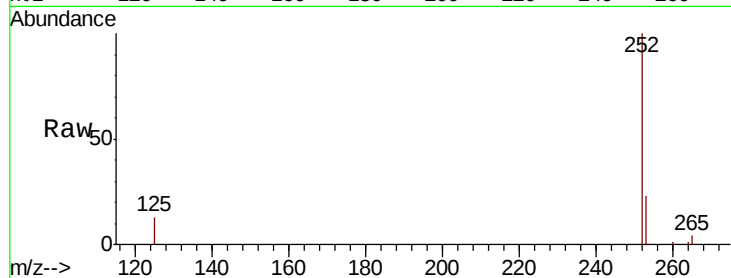
Tot Ion:252 Resp: 124488

Ion Ratio Lower Upper

252 100

253 23.4 27.0 40.4#

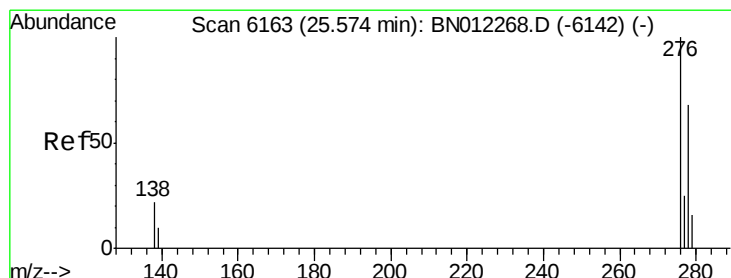
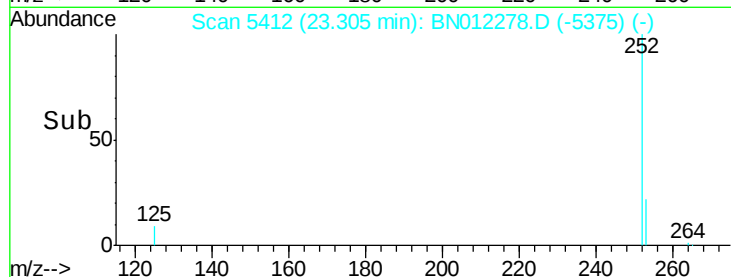
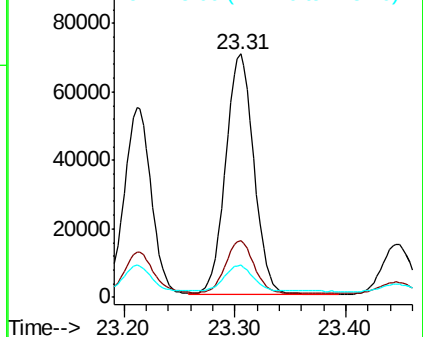
125 13.1 18.8 28.2#



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: 2.684 ng/ul

RT: 25.58 min Scan# 6166

Delta R.T. 0.01 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

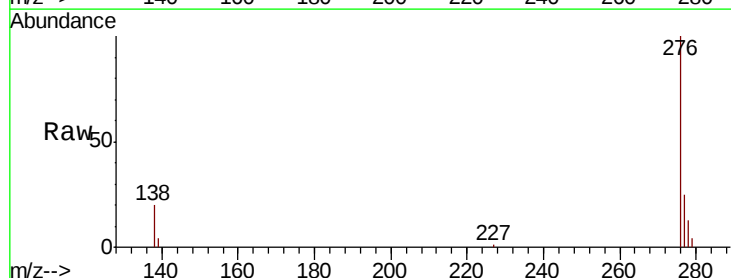
Tgt Ion:276 Resp: 104594

Ion Ratio Lower Upper

276 100

138 19.4 0.0 0.0#

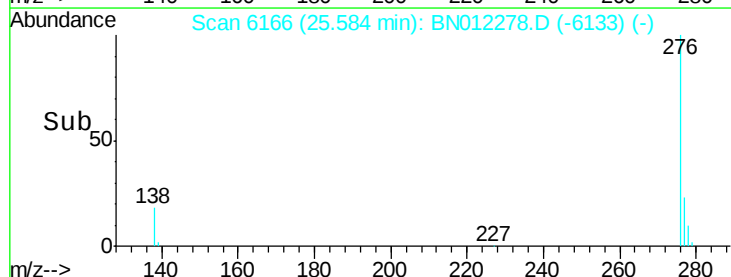
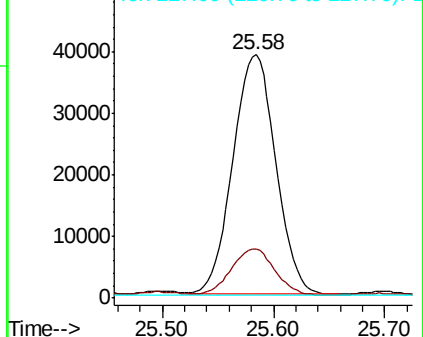
227 0.2 0.0 0.0#

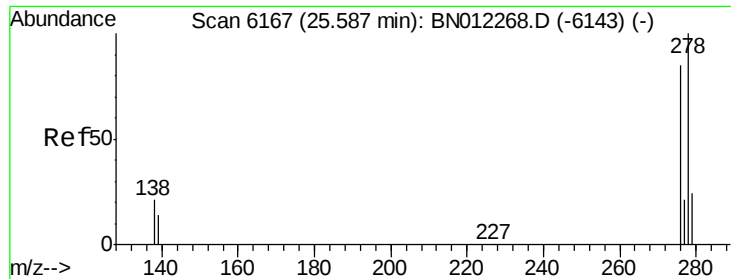


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.495 ng/ul

RT: 25.59 min Scan# 6167

Delta R.T. -0.00 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

Instrument :

BNA_N

ClientSampleId :

C0AP3DL

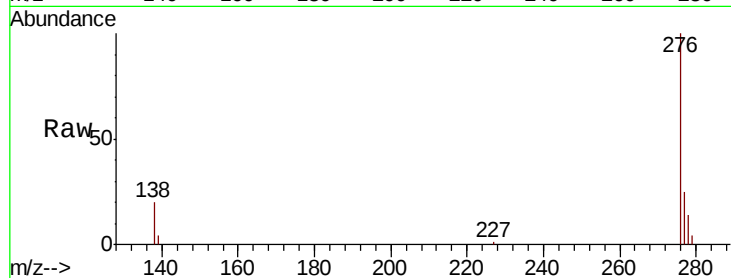
Tot Ion:278 Resp: 15435

Ion Ratio Lower Upper

278 100

139 27.3 15.7 23.5#

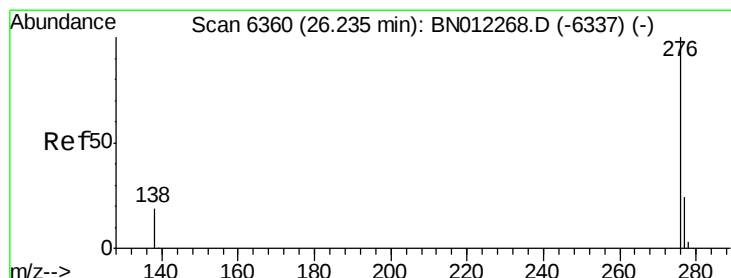
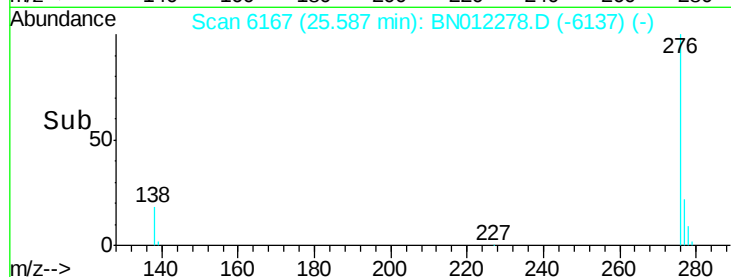
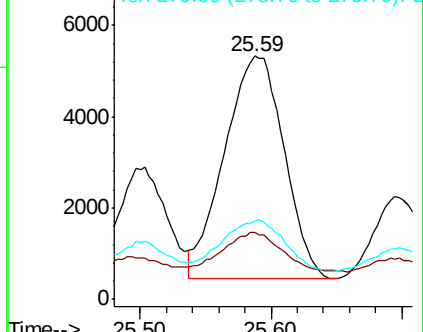
279 32.4 26.0 39.0



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(g,h,i)perylene

Concen: 4.505 ng/ul

RT: 26.25 min Scan# 6366

Delta R.T. 0.02 min

Lab File: BN012278.D

Acq: 16 Oct 2020 21:52

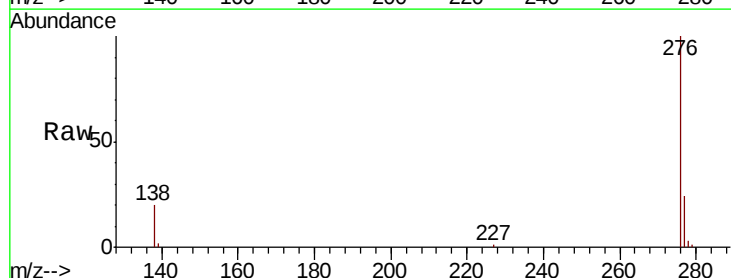
Tgt Ion:276 Resp: 160917

Ion Ratio Lower Upper

276 100

138 20.5 17.1 25.7

277 24.0 21.1 31.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

