

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012238.D
 Acq On : 15 Oct 2020 19:12
 Operator : CG/JU
 Sample : L4235-03
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 16 01:27:12 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 01:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1494	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6296	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3755	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	7942	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7448	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7665	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1643	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3944	0.18	ng/ul	0.00

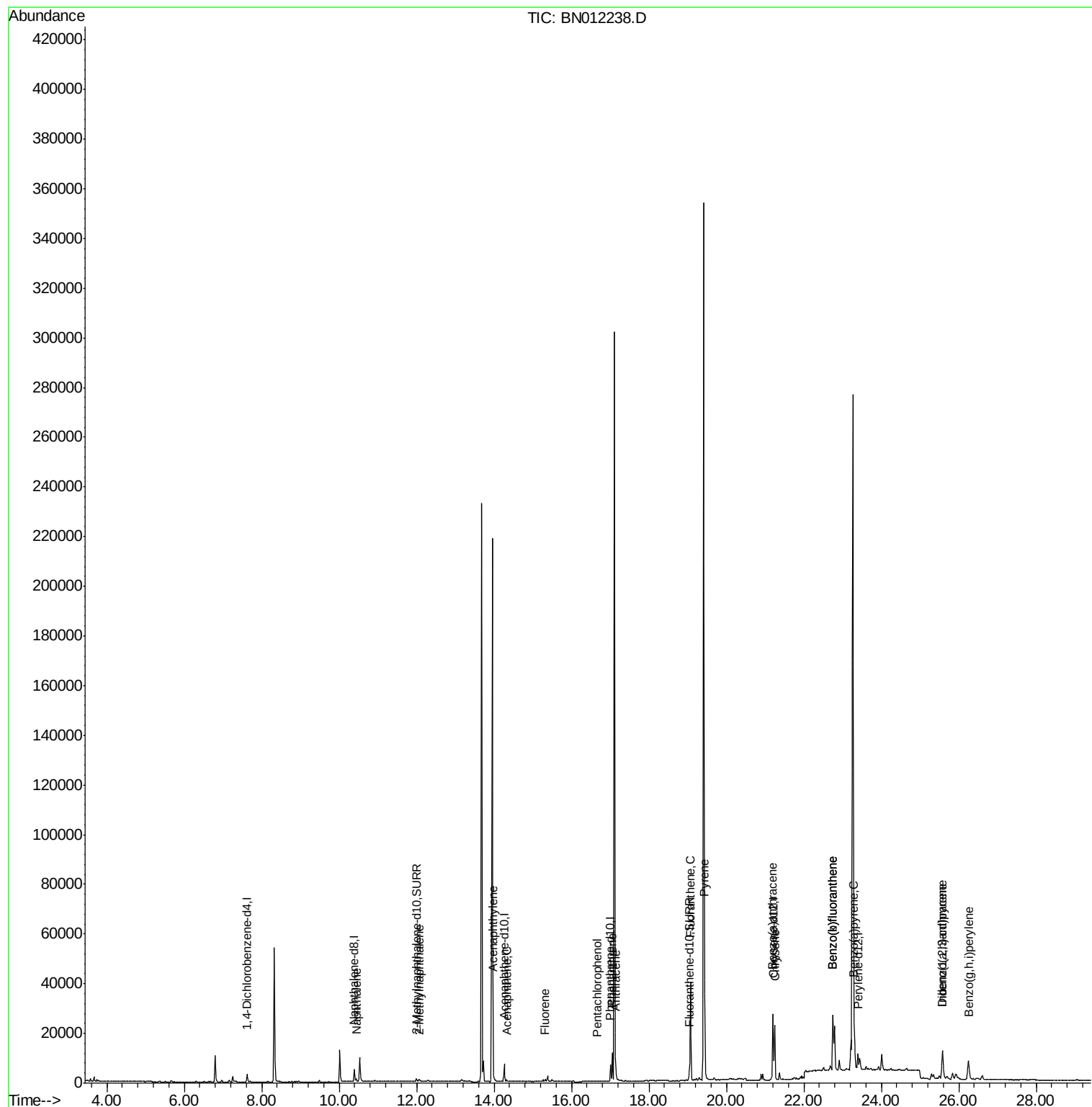
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	1374	0.076	ng/ul#	90
5) 2-Methylnaphthalene	12.06	142	705	0.061	ng/ul	100
7) Acenaphthylene	13.98	152	1554	0.095	ng/ul#	92
8) Acenaphthene	14.32	153	476	0.035	ng/ul#	93
9) Fluorene	15.31	166	596	0.039	ng/ul#	91
11) Pentachlorophenol	16.67	266	128	0.056	ng/ul	96
12) Phenanthrene	17.05	178	12036	0.475	ng/ul	100
13) Anthracene	17.14	178	3228	0.149	ng/ul	96
15) Fluoranthene	19.07	202	34297	1.159	ng/ul	99
17) Pyrene	19.44	202	31115	0.927	ng/ul	98
18) Benzo(a)anthracene	21.19	228	20858	0.756	ng/ul	99
19) Chrysene	21.25	228	21699	0.646	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	45824	1.480	ng/ul	93
22) Benzo(k)fluoranthene	22.75	252	45824	1.337	ng/ul#	92
23) Benzo(a)pyrene	23.30	252	21412	0.711	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.58	276	16776	0.434	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	4828	0.156	ng/ul#	80
26) Benzo(g,h,i)perylene	26.25	276	15124	0.426	ng/ul	97

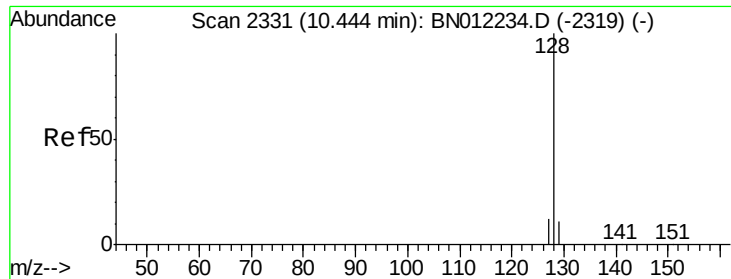
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.076 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.01 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

Instrument :

BNA_N

ClientSampleId :

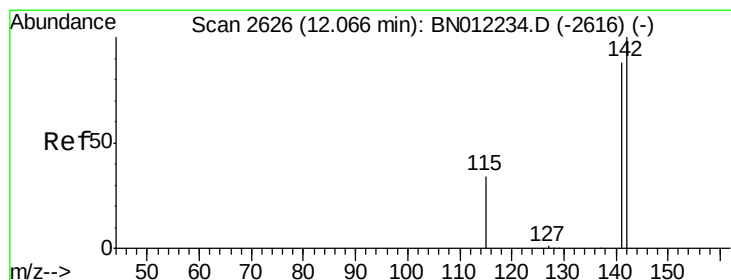
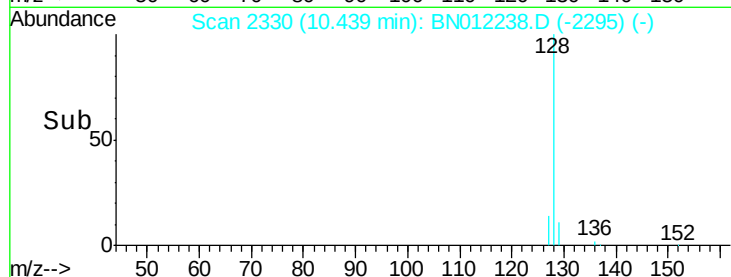
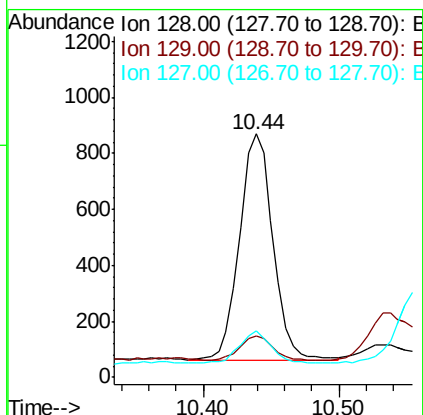
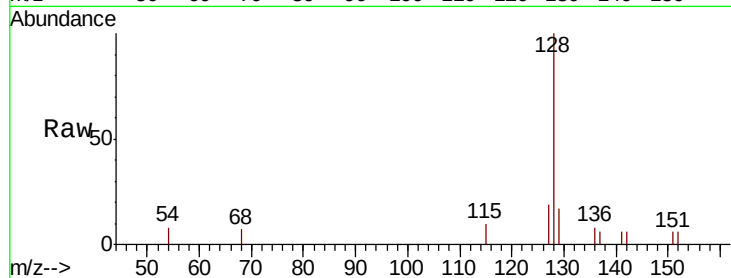
Tot Ion:128 Resp: 1374

Ion Ratio Lower Upper

128 100

129 17.0 10.3 15.5#

127 18.9 11.9 17.9#



#5

2-Methylnaphthalene

Concen: 0.061 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BN012238.D

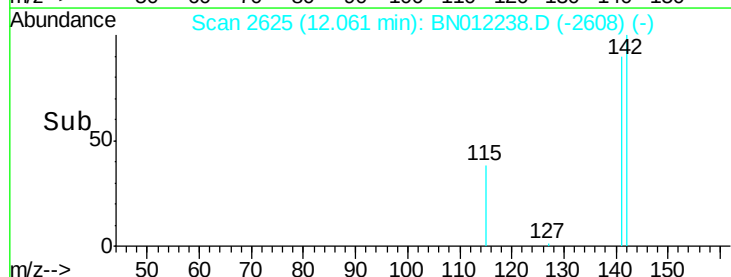
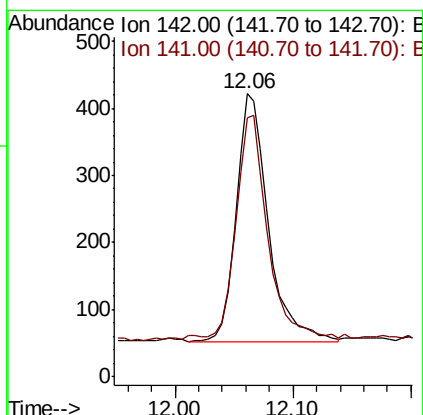
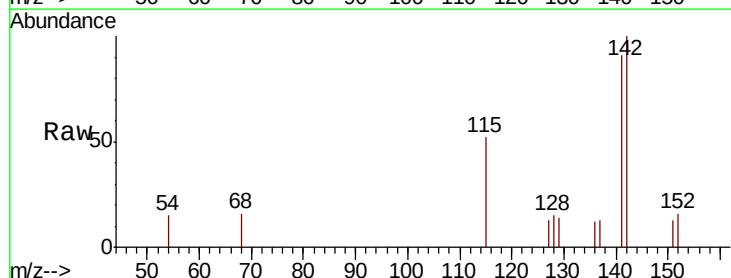
Acq: 15 Oct 2020 19:12

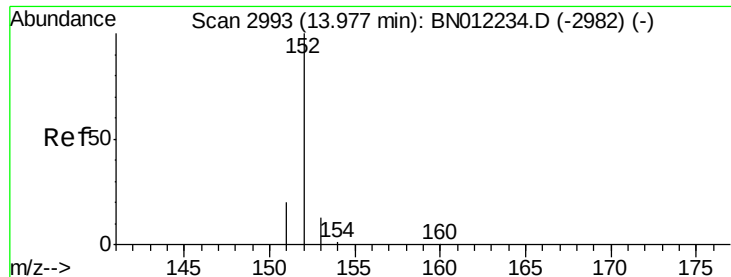
Tgt Ion:142 Resp: 705

Ion Ratio Lower Upper

142 100

141 89.5 71.7 107.5





#7

Acenaphthylene

Concen: 0.095 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012238.D

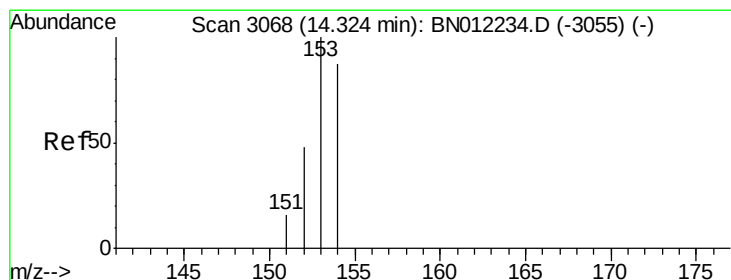
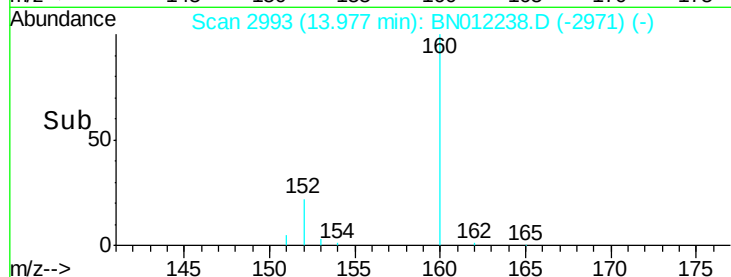
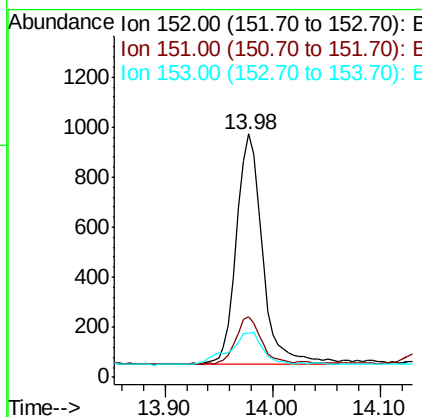
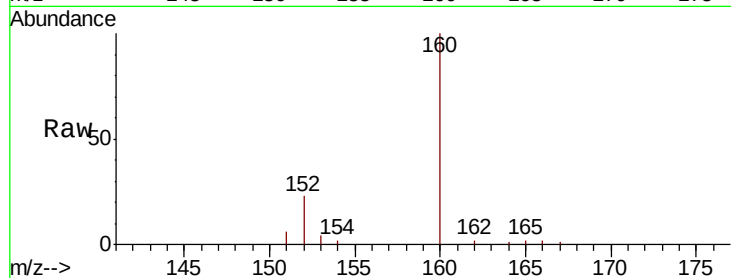
Acq: 15 Oct 2020 19:12

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	152	Resp:	1554
Ion	Ratio	Lower	Upper
152	100		
151	24.9	16.7	25.1
153	18.0	11.8	17.8



#8

Acenaphthene

Concen: 0.035 ng/ul

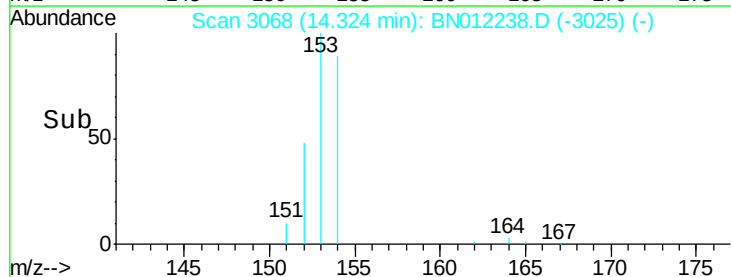
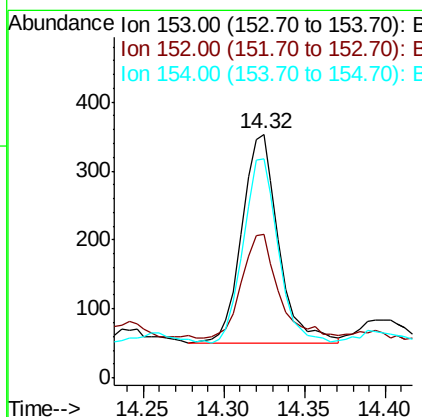
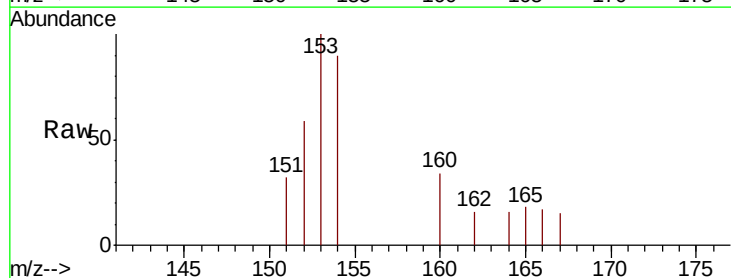
RT: 14.32 min Scan# 3068

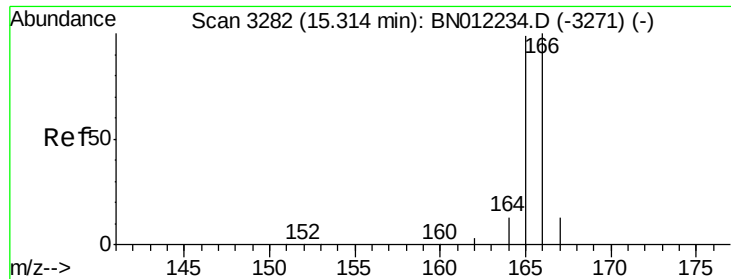
Delta R.T. 0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

Tgt Ion:	153	Resp:	476
Ion	Ratio	Lower	Upper
153	100		
152	58.9	38.2	57.2
154	90.1	71.1	106.7

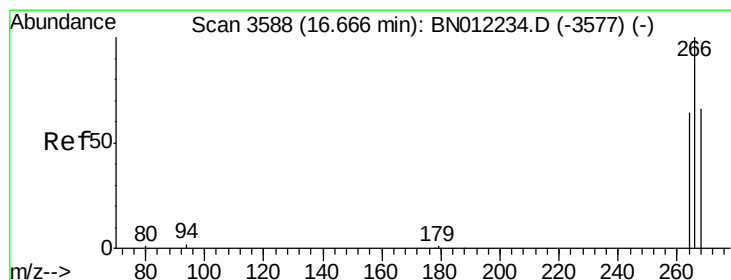
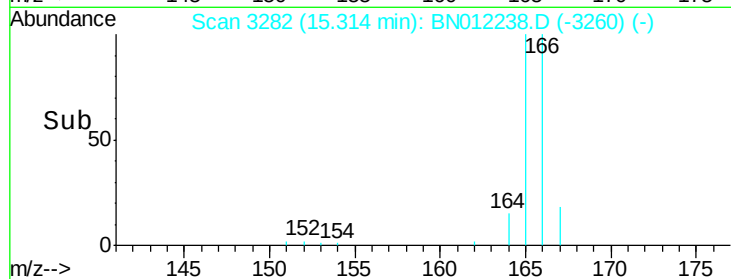
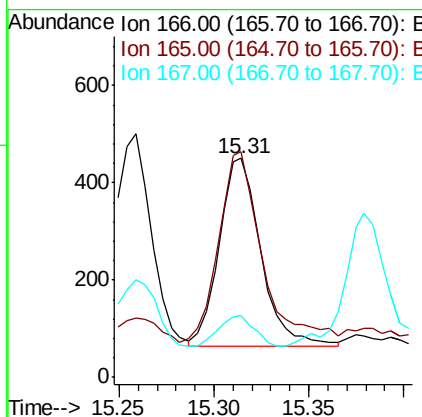
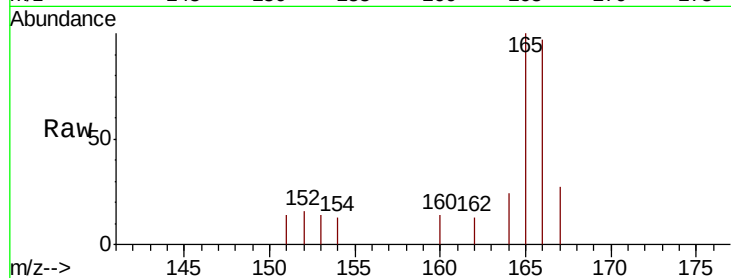




#9
Fluorene
 Concen: 0.039 ng/ul
 RT: 15.31 min Scan# 3282
 Delta R.T. 0.00 min
 Lab File: BN012238.D
 Acq: 15 Oct 2020 19:12

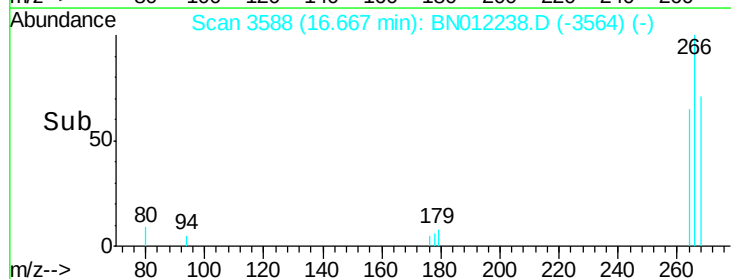
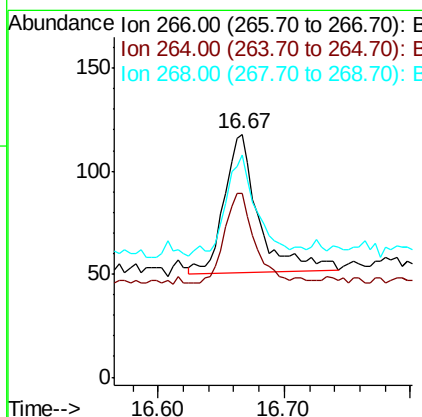
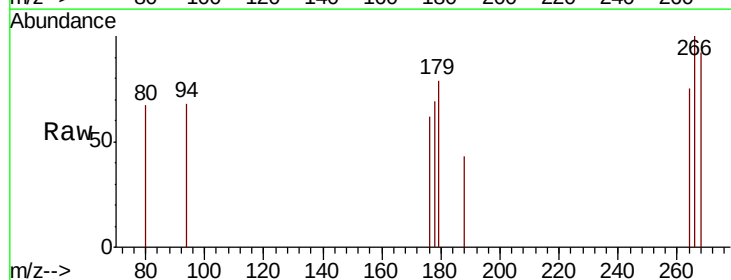
Instrument :
 BNA_N
 ClientSampleId :

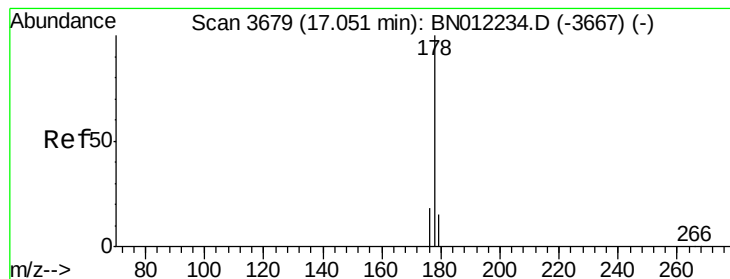
Tot Ion:166 Resp: 596
 Ion Ratio Lower Upper
 166 100
 165 103.3 78.6 118.0
 167 28.0 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.056 ng/ul
 RT: 16.67 min Scan# 3588
 Delta R.T. 0.00 min
 Lab File: BN012238.D
 Acq: 15 Oct 2020 19:12

Tgt Ion:266 Resp: 128
 Ion Ratio Lower Upper
 266 100
 264 58.6 50.3 75.5
 268 67.2 52.4 78.6





#12

Phenanthrene

Concen: 0.475 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

Instrument :

BNA_N

ClientSampleId :

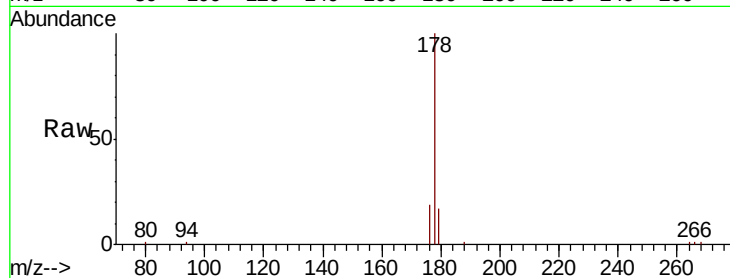
Tot Ion:178 Resp: 12036

Ion Ratio Lower Upper

178 100

179 16.5 13.4 20.2

176 19.4 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

12000

10000

8000

6000

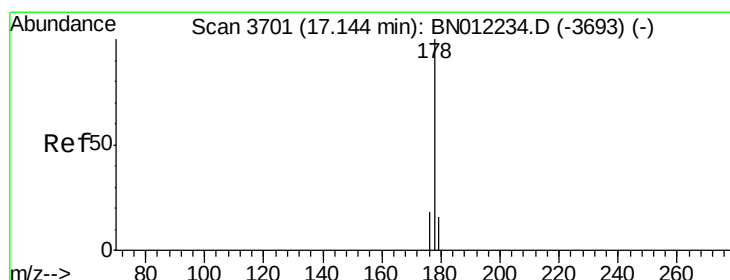
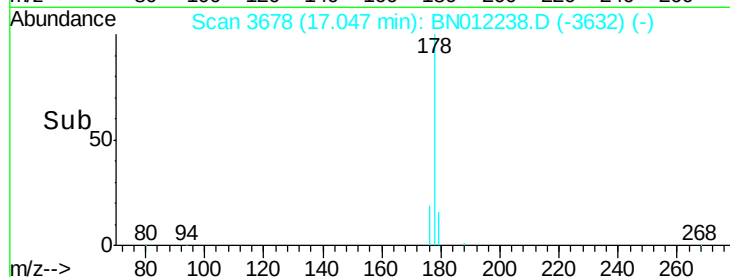
4000

2000

0

17.05

Time-->



#13

Anthracene

Concen: 0.149 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

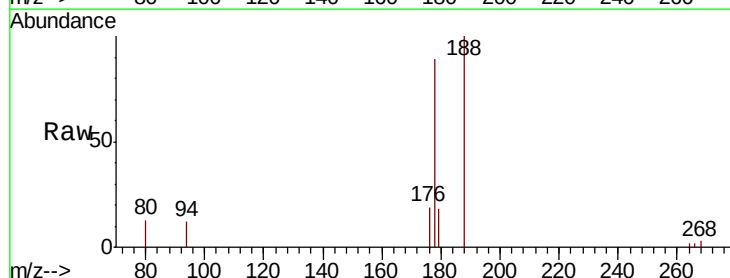
Tgt Ion:178 Resp: 3228

Ion Ratio Lower Upper

178 100

179 19.8 13.9 20.9

176 20.8 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

12000

10000

8000

6000

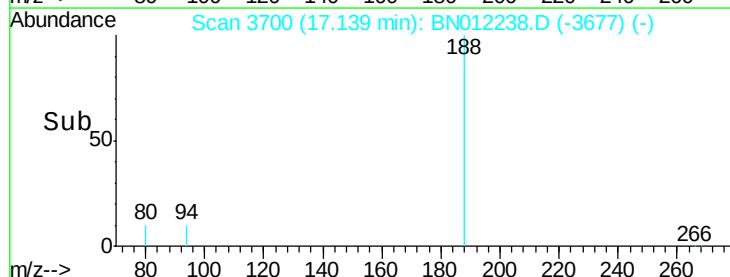
4000

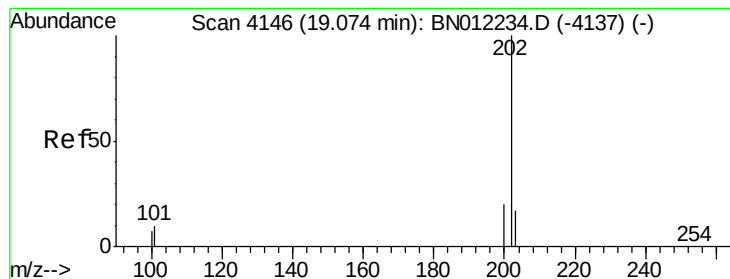
2000

0

17.14

Time-->





#15

Fluoranthene

Concen: 1.159 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

Instrument :

BNA_N

ClientSampleId :

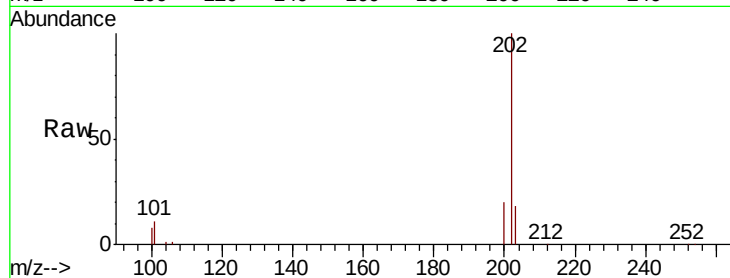
Tot Ion:202 Resp: 34297

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.0

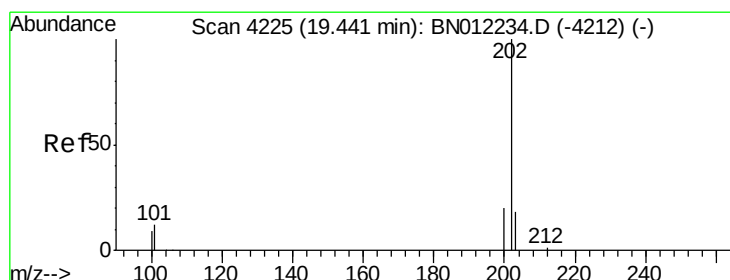
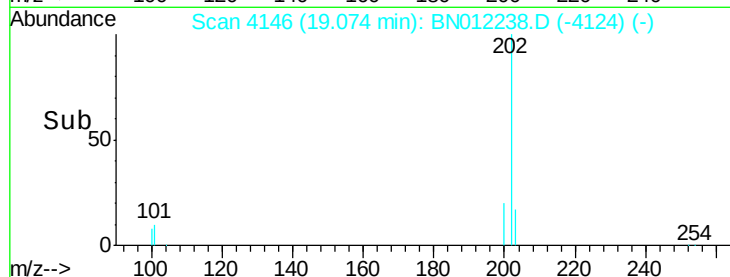
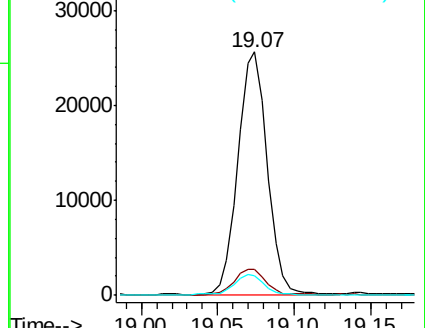
100 8.0 0.0 28.7



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: 0.927 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

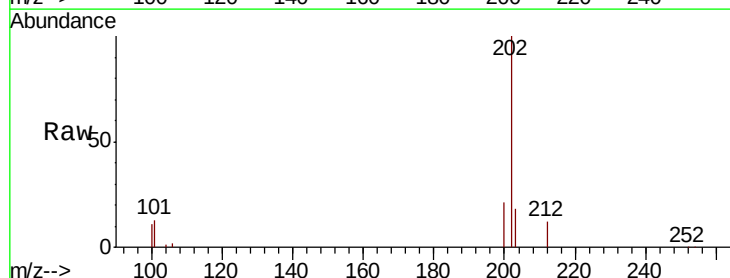
Tgt Ion:202 Resp: 31115

Ion Ratio Lower Upper

202 100

101 12.8 9.9 14.9

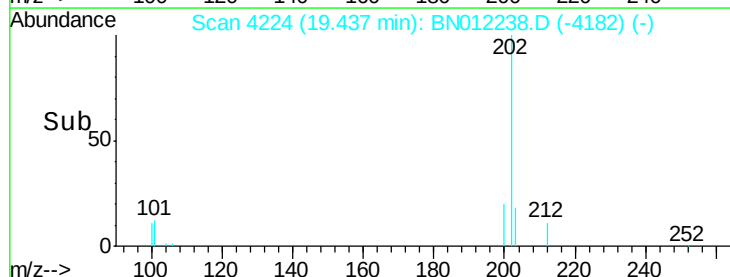
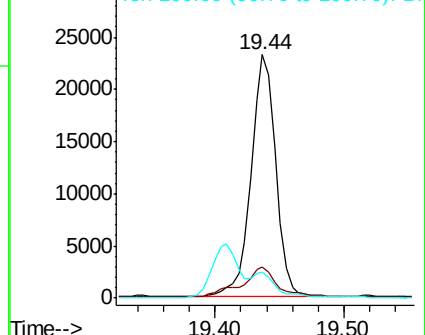
100 10.8 8.0 12.0

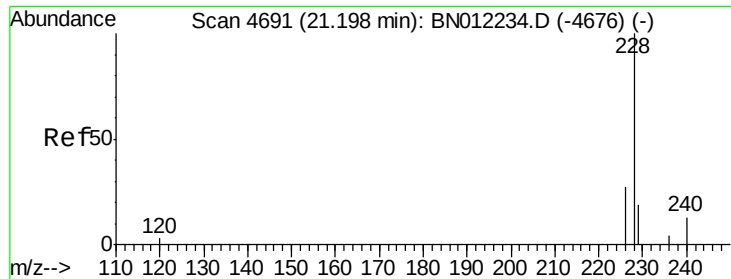


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

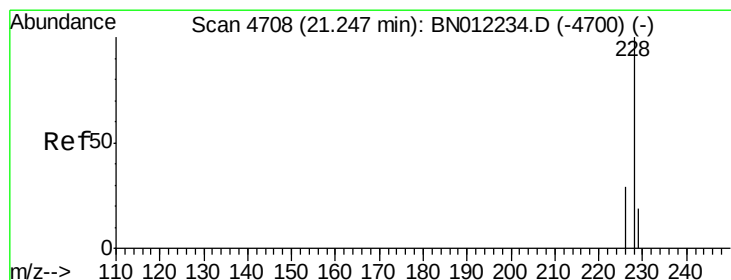
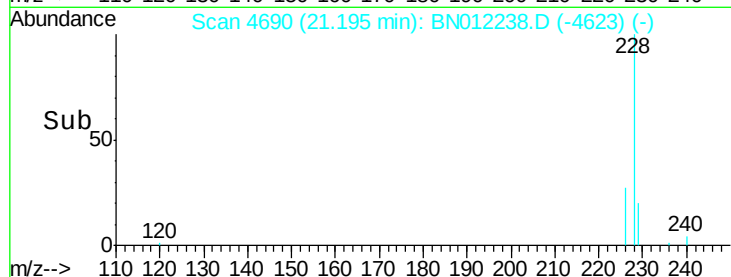
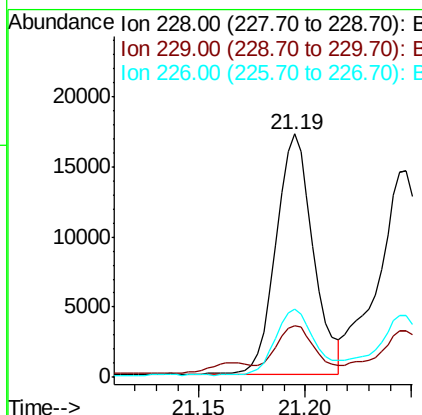
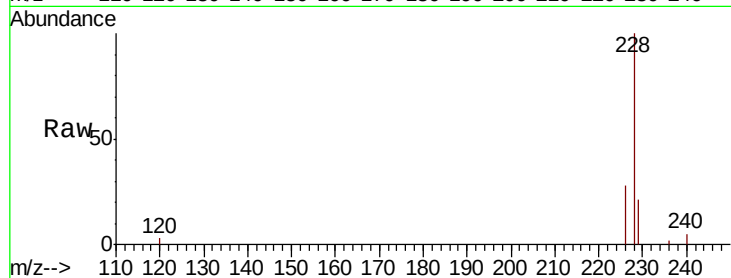




#18
Benzo(a)anthracene
Concen: 0.756 ng/ul
RT: 21.19 min Scan# 4690
Delta R.T. -0.00 min
Lab File: BN012238.D
Acq: 15 Oct 2020 19:12

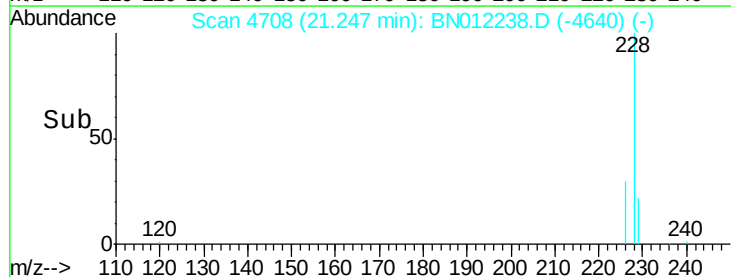
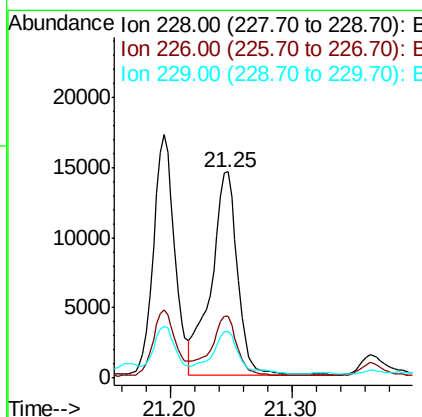
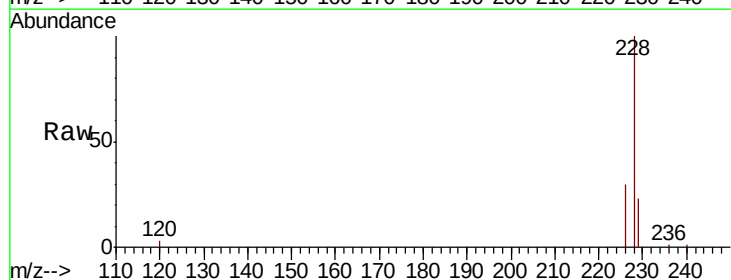
Instrument :
BNA_N
ClientSampleId :

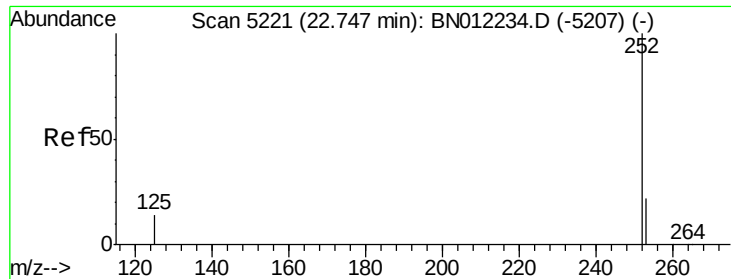
Tot Ion:228 Resp: 20858
Ion Ratio Lower Upper
228 100
229 21.2 15.8 23.8
226 28.1 22.6 33.8



#19
Chrysene
Concen: 0.646 ng/ul
RT: 21.25 min Scan# 4708
Delta R.T. 0.00 min
Lab File: BN012238.D
Acq: 15 Oct 2020 19:12

Tgt Ion:228 Resp: 21699
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 22.8 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 1.480 ng/ul

RT: 22.75 min Scan# 5221

Delta R.T. 0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

Instrument :

BNA_N

ClientSampleId :

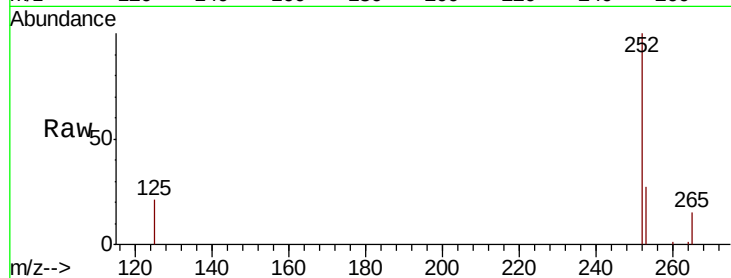
Tot Ion:252 Resp: 45824

Ion Ratio Lower Upper

252 100

253 26.9 0.0 61.6

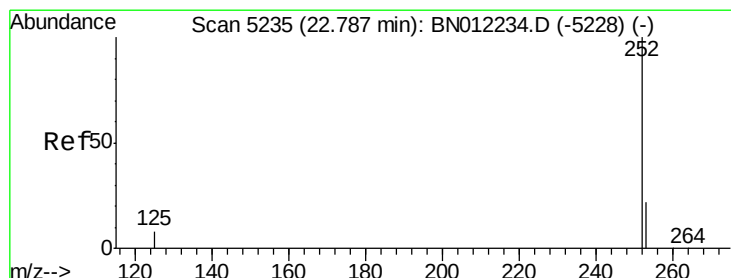
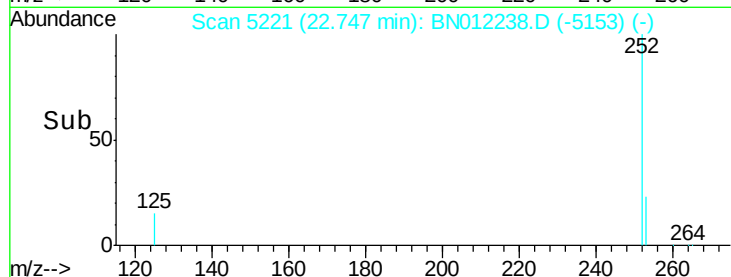
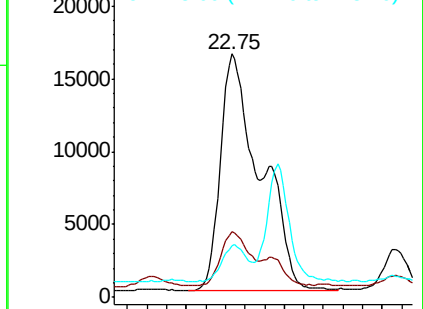
125 21.1 0.0 36.8



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: 1.337 ng/ul

RT: 22.75 min Scan# 5221

Delta R.T. -0.04 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

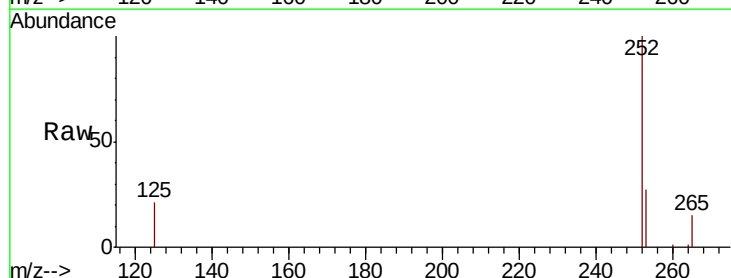
Tgt Ion:252 Resp: 45824

Ion Ratio Lower Upper

252 100

253 26.9 24.4 36.6

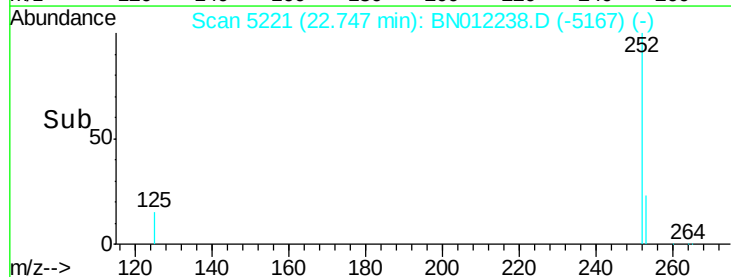
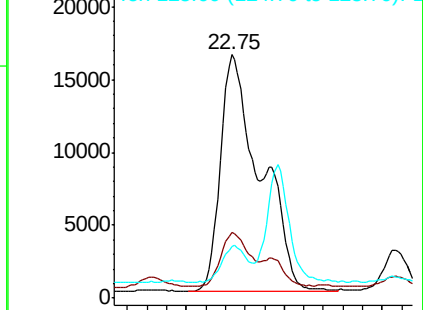
125 21.1 12.9 19.3#

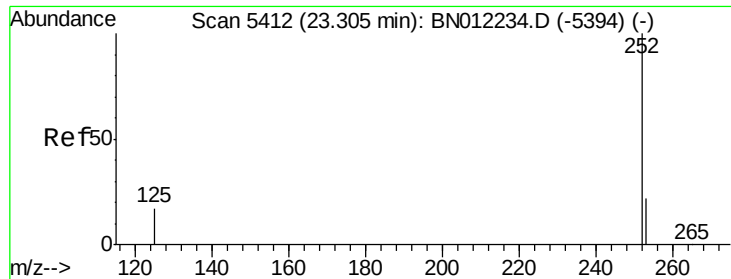


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.711 ng/ul

RT: 23.30 min Scan# 5411

Delta R.T. -0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

Instrument :

BNA_N

ClientSampleId :

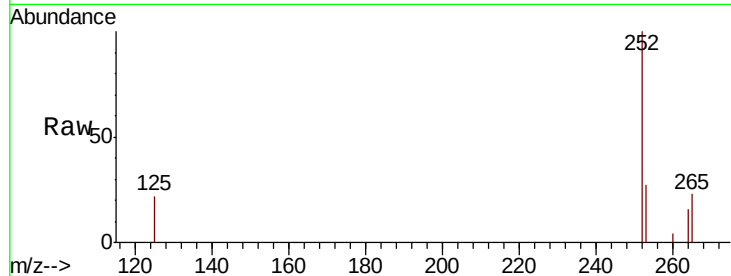
Tot Ion:252 Resp: 21412

Ion Ratio Lower Upper

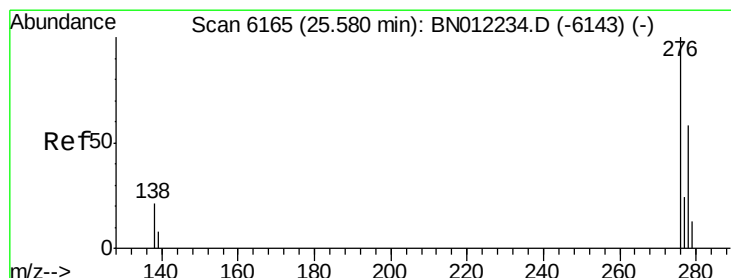
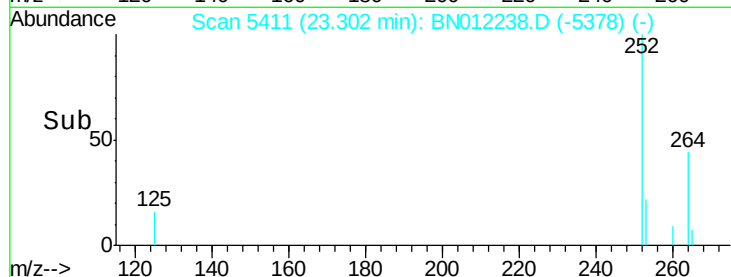
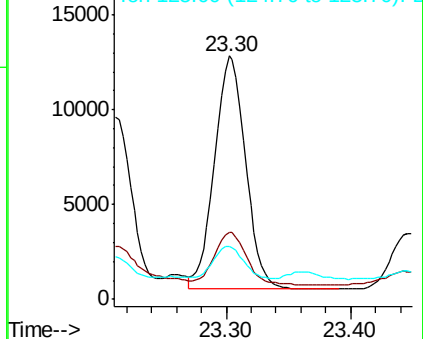
252 100

253 27.3 27.0 40.4

125 21.8 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: 0.434 ng/ul

RT: 25.58 min Scan# 6165

Delta R.T. 0.00 min

Lab File: BN012238.D

Acq: 15 Oct 2020 19:12

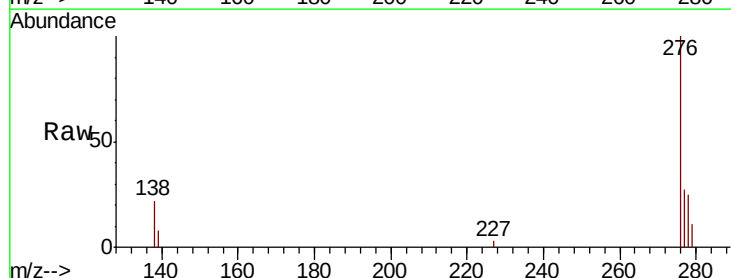
Tgt Ion:276 Resp: 16776

Ion Ratio Lower Upper

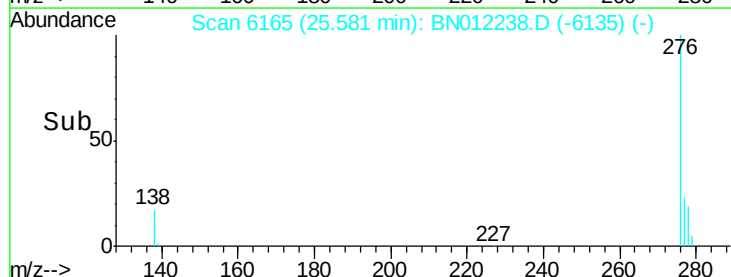
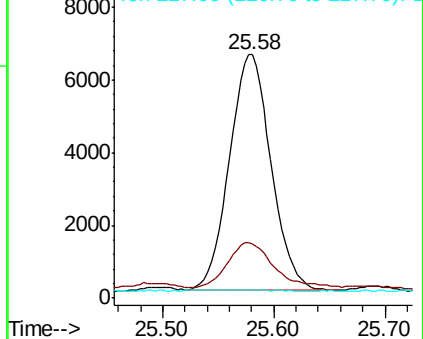
276 100

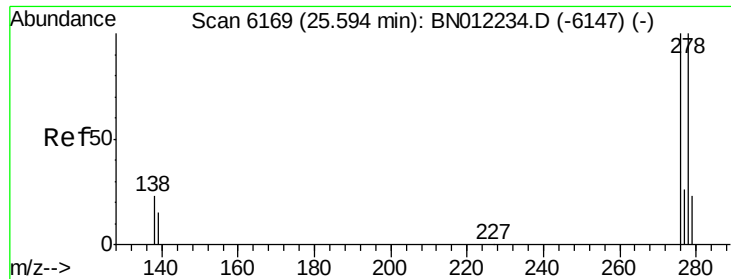
138 21.3 0.0 0.0#

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

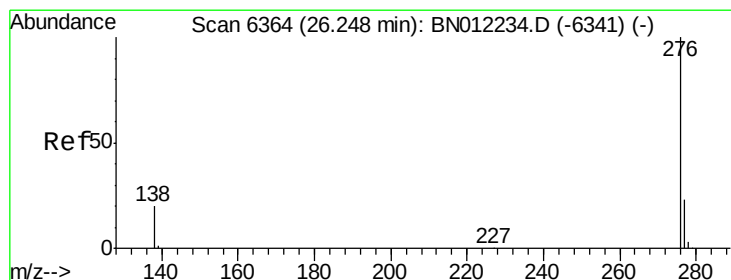
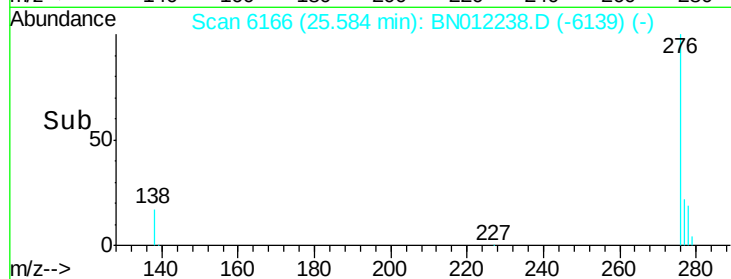
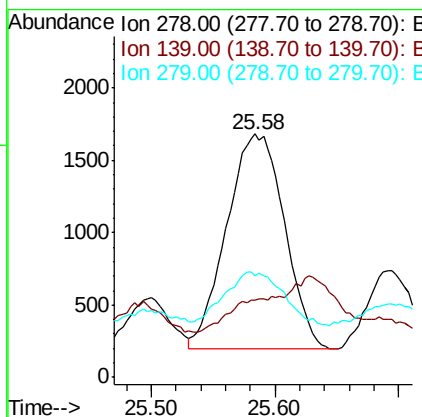
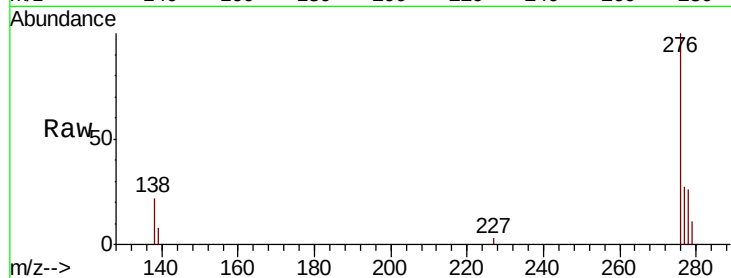




#25
Dibenzo(a,h)anthracene
Concen: 0.156 ng/ul
RT: 25.58 min Scan# 6166
Delta R.T. -0.01 min
Lab File: BN012238.D
Acq: 15 Oct 2020 19:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 4828
Ion Ratio Lower Upper
278 100
139 31.8 15.7 23.5#
279 41.5 26.0 39.0#



#26
Benzo(g,h,i)perylene
Concen: 0.426 ng/ul
RT: 26.25 min Scan# 6364
Delta R.T. 0.00 min
Lab File: BN012238.D
Acq: 15 Oct 2020 19:12

Tgt Ion:276 Resp: 15124
Ion Ratio Lower Upper
276 100
138 23.8 17.1 25.7
277 26.2 21.1 31.7

