

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120620\
 Data File : BN012918.D
 Acq On : 06 Dec 2020 15:29
 Operator : CG/JU
 Sample : L4859-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B26

Manual Integrations
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mohammad
 12/7/2020 2:11:36 PM

Quant Time: Dec 07 03:19:10 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	1337	0.40	ng/ul	0.00
2) Naphthalene-d8	10.16	136	5528	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	3183	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	7141	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	6273	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	5907	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	1043	0.13	ng/ul	-0.02
14) Fluoranthene-d10	18.85	212	2645	0.14	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	10.20	128	2605	0.163	ng/ul	96
5) 2-Methylnaphthalene	11.83	142	1471	0.140	ng/ul	98
7) Acenaphthylene	13.77	152	4322	0.287	ng/ul	97
8) Acenaphthene	14.12	153	4002	0.324	ng/ul	98
9) Fluorene	15.11	166	4091	0.288	ng/ul	99
12) Phenanthrene	16.85	178	115831	4.838	ng/ul	97
13) Anthracene	16.94	178	19777	0.971	ng/ul	95
15) Fluoranthene	18.89	202	281840	9.906	ng/ul	96
17) Pyrene	19.25	202	237717	8.023	ng/ul	99
18) Benzo(a)anthracene	21.02	228	128234	4.941	ng/ul	99
19) Chrysene	21.07	228	135185	4.714	ng/ul	98
21) Benzo(b)fluoranthene	22.52	252	189948m	6.951	ng/ul	
22) Benzo(k)fluoranthene	22.56	252	68763m	2.276	ng/ul	
23) Benzo(a)pyrene	23.05	252	121365m	4.786	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.19	276	81487	2.446	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.20	278	19701	0.748	ng/ul	95
26) Benzo(a,h,i)perylene	25.82	276	70025	2.324	ng/ul	96

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

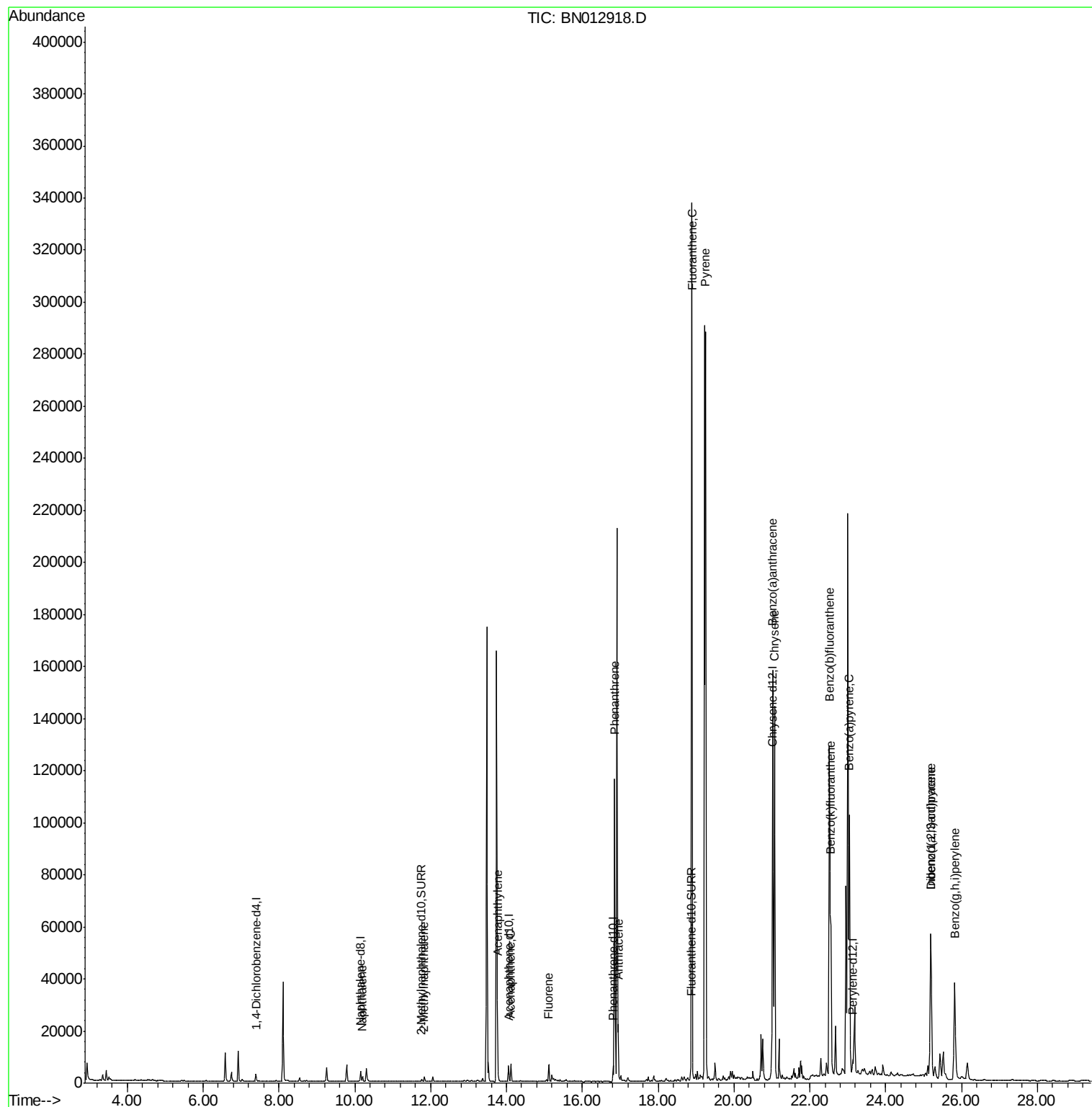
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120620\
Data File : BN012918.D
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Sample : L4859-02
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ALS Vial : 32 Sample Multiplier: 1

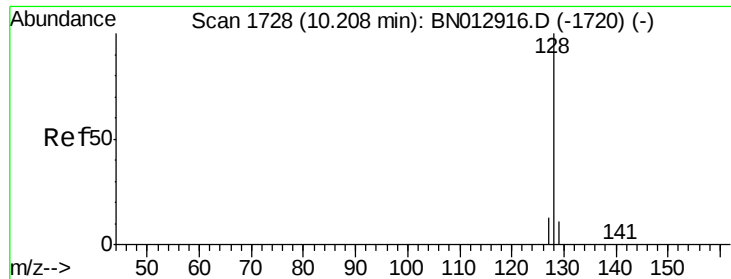
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
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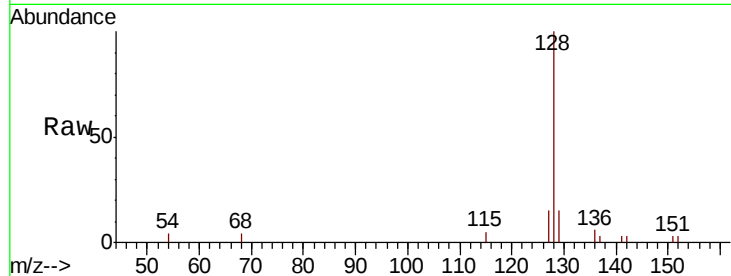
#3
Naphthalene
Concen: 0.163 ng/ul
RT: 10.20 min Scan# 1727
Delta R.T. -0.01 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

Instrument :
BNA_N
ClientSampleId :
C0B26

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.5	12.3	18.5
127	15.4	14.2	21.4

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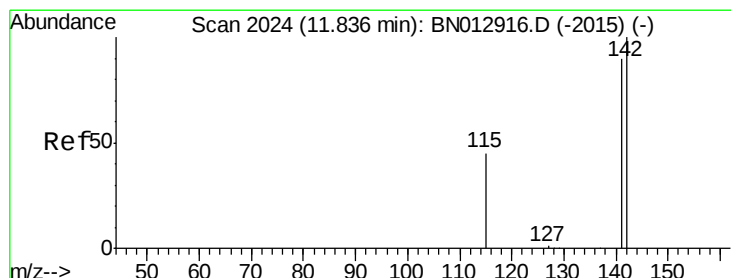
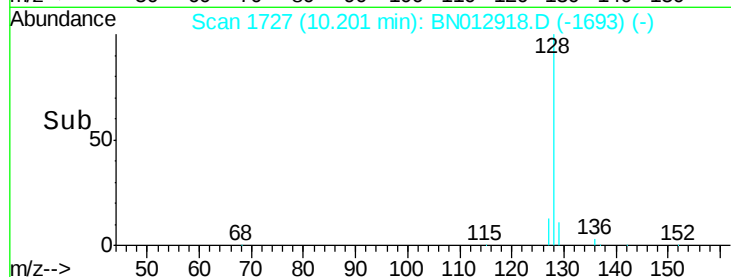
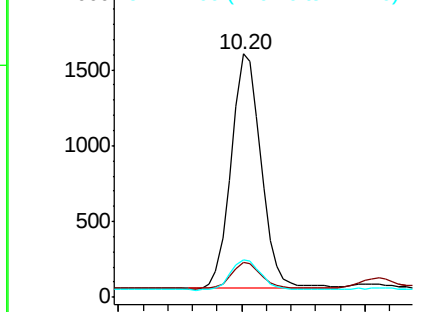


Abundance

Ion 128.00 (127.70 to 128.70): E

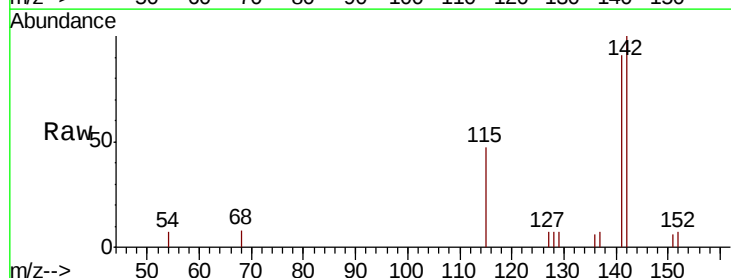
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5
2-Methylnaphthalene
Concen: 0.140 ng/ul
RT: 11.83 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

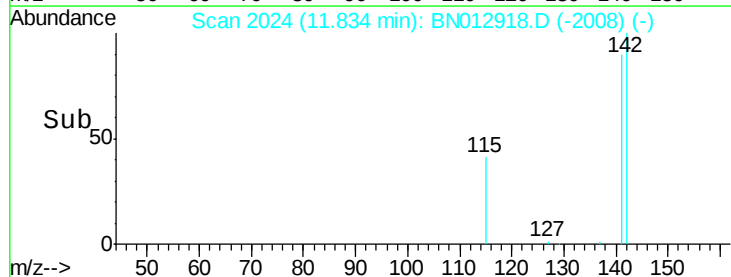
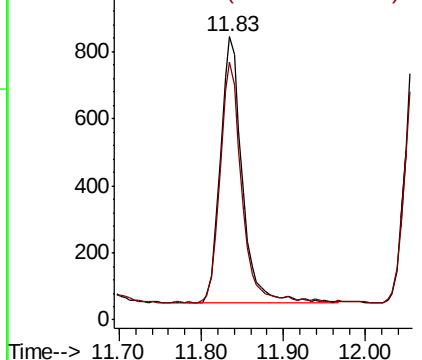
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	73.0	109.6

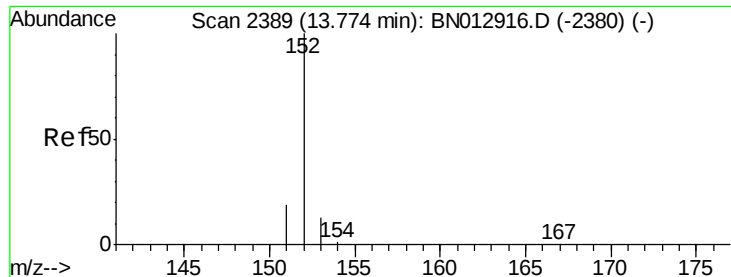


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.287 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Instrument :

BNA_N

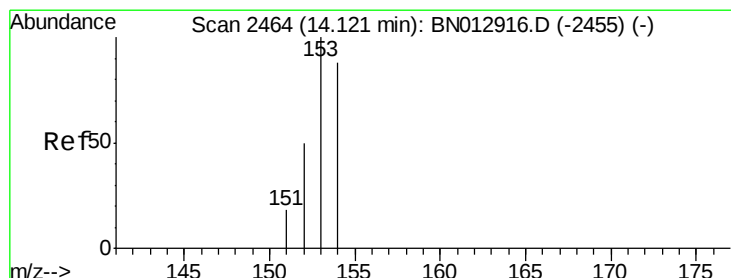
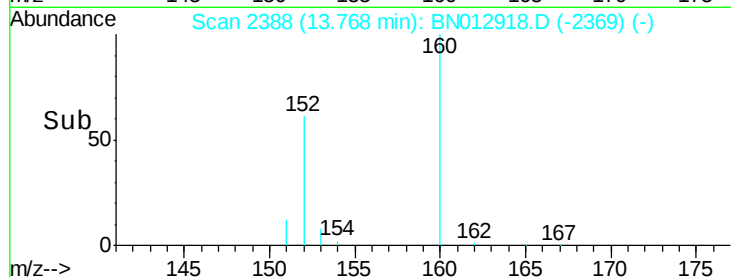
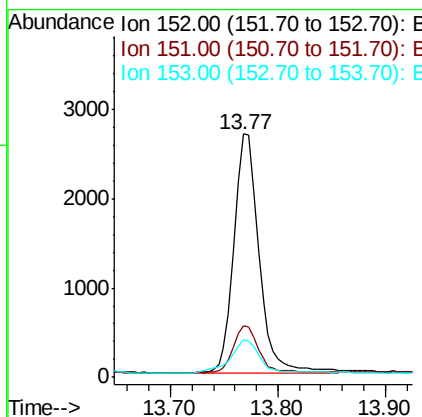
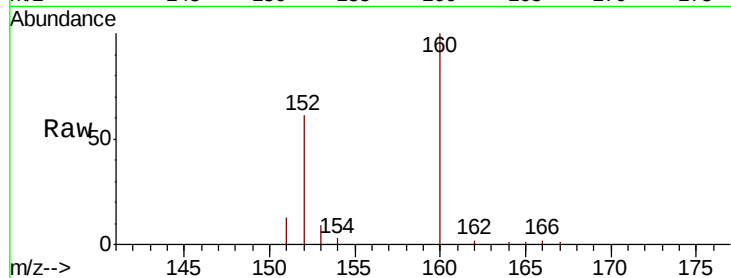
ClientSampleId :

C0B26

Tot Ion:	152	Resp:	4322
Ion Ratio	Lower	Upper	
152	100		
151	21.5	18.2	27.4
153	15.2	13.1	19.7

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#8

Acenaphthene

Concen: 0.324 ng/ul

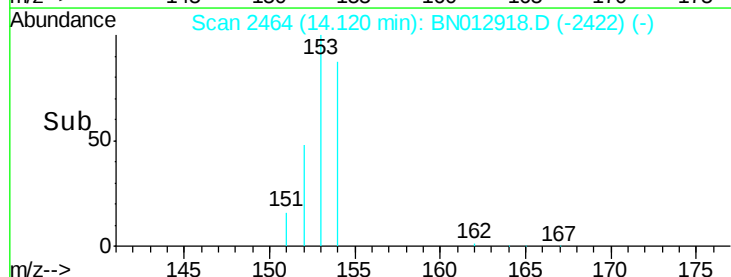
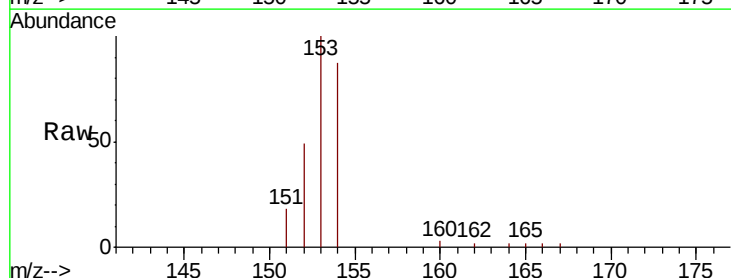
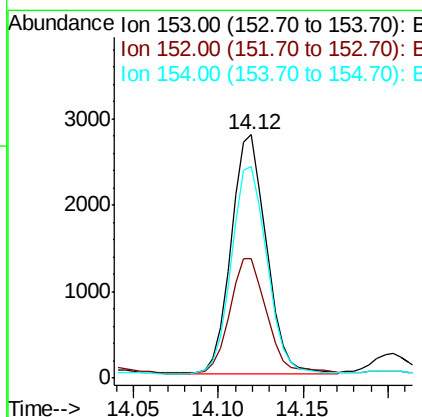
RT: 14.12 min Scan# 2464

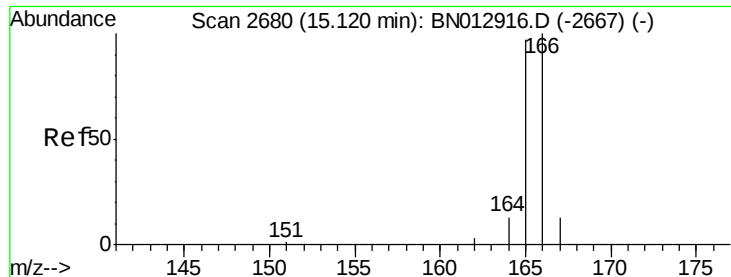
Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Tgt Ion:	153	Resp:	4002
Ion Ratio	Lower	Upper	
153	100		
152	49.1	40.7	61.1
154	86.8	70.8	106.2





#9

Fluorene

Concen: 0.288 ng/ul

RT: 15.11 min Scan# 2679

Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Instrument :

BNA_N

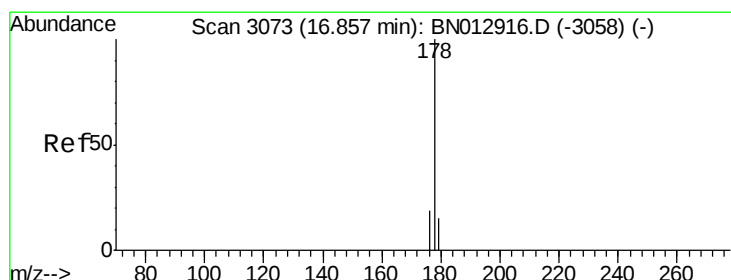
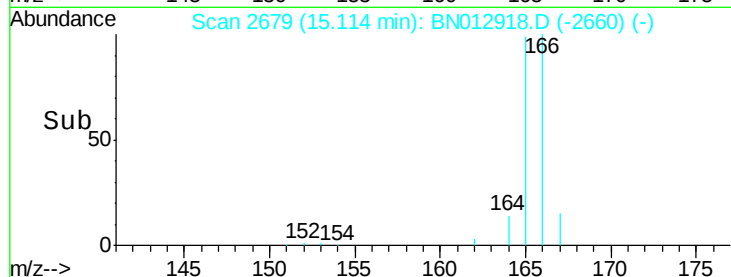
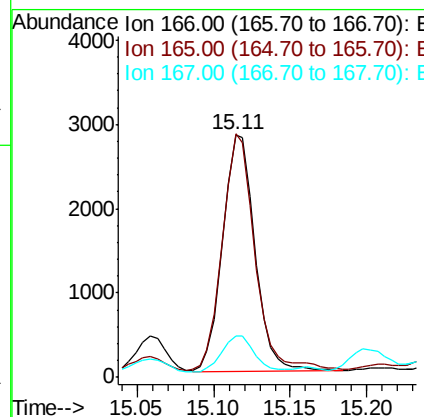
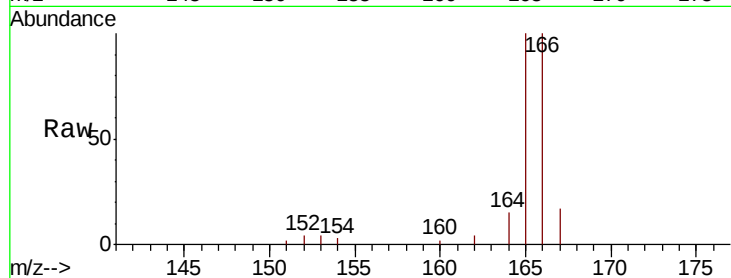
ClientSampleId :

C0B26

Tot Ion:	166	Resp:	4091
Ion Ratio	Lower	Upper	
166	100		
165	100.2	79.8	119.8
167	16.9	13.8	20.8

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#12

Phenanthrene

Concen: 4.838 ng/ul

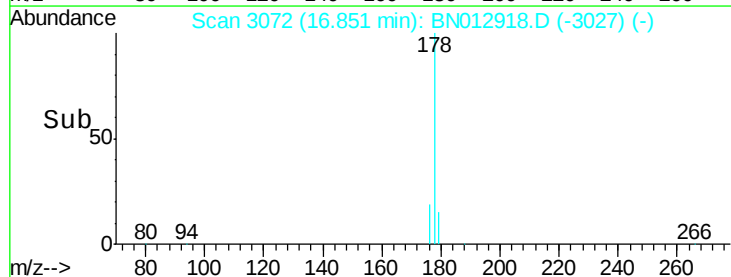
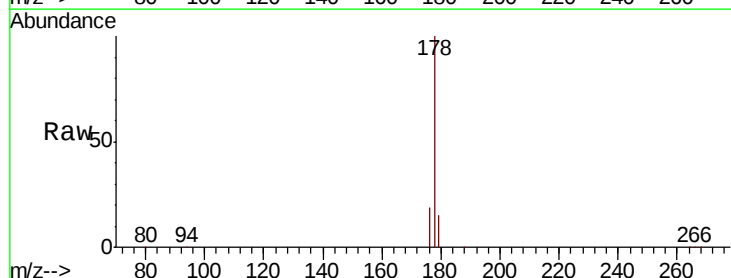
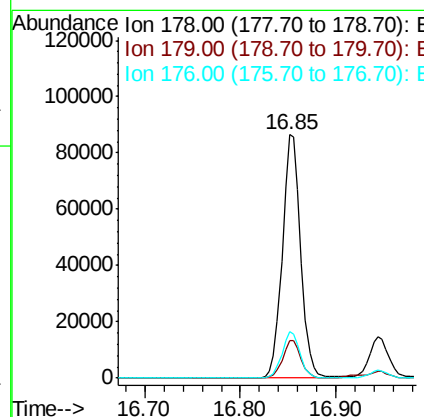
RT: 16.85 min Scan# 3072

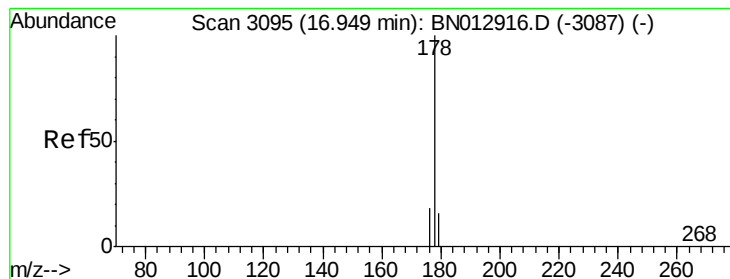
Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Tgt Ion:	178	Resp:	115831
Ion Ratio	Lower	Upper	
178	100		
179	15.4	13.6	20.4
176	19.1	16.4	24.6





#13

Anthracene

Concen: 0.971 ng/ul

RT: 16.94 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Instrument :

BNA_N

ClientSampleId :

C0B26

Tot Ion:178 Resp: 19777

Ion Ratio Lower Upper

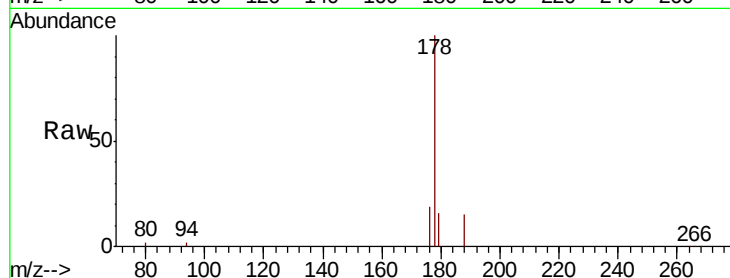
178 100

179 16.5 14.6 21.8

176 18.6 17.1 25.7

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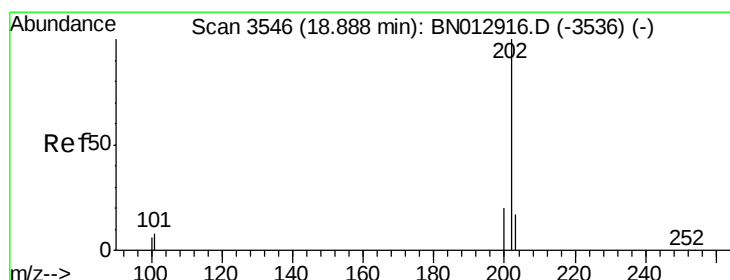
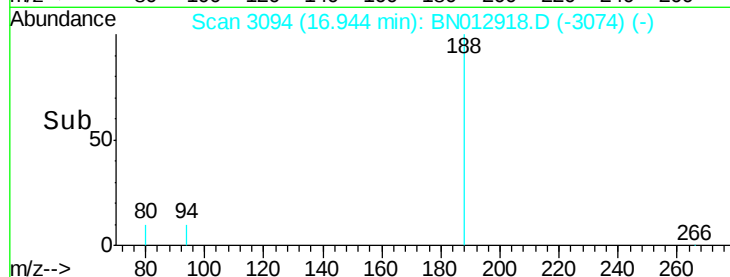
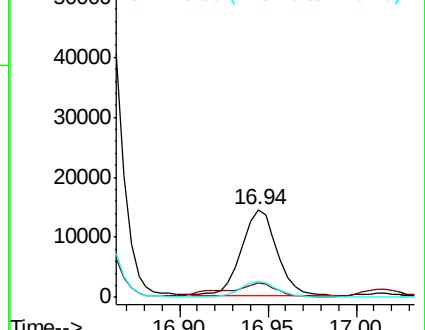
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 9.906 ng/ul

RT: 18.89 min Scan# 3546

Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

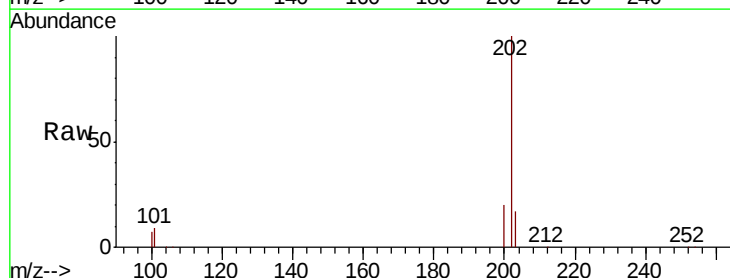
Tgt Ion:202 Resp: 281840

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.6

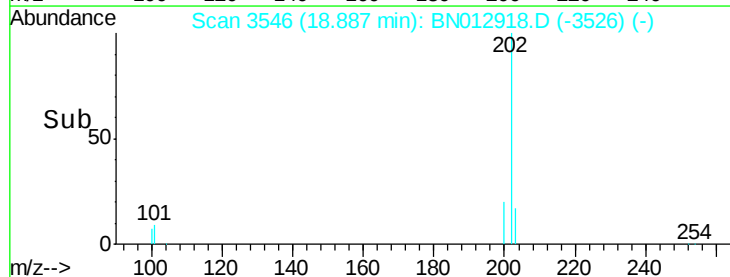
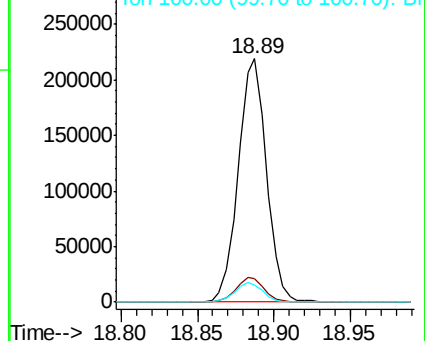
100 7.1 0.0 28.7

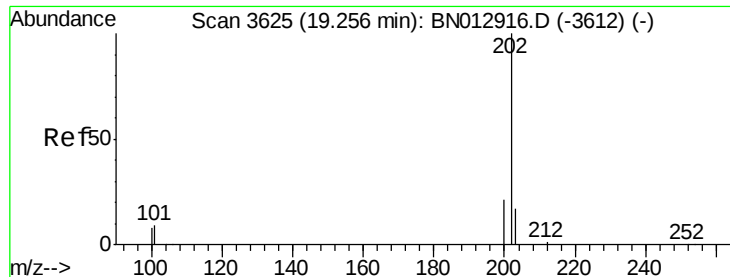


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





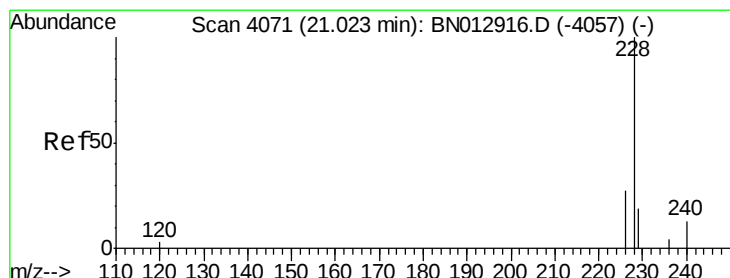
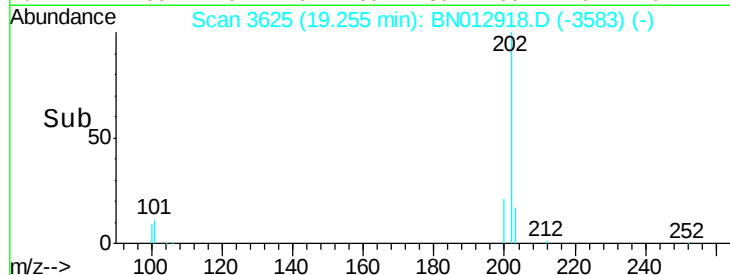
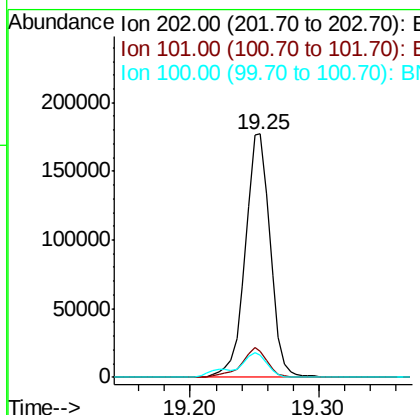
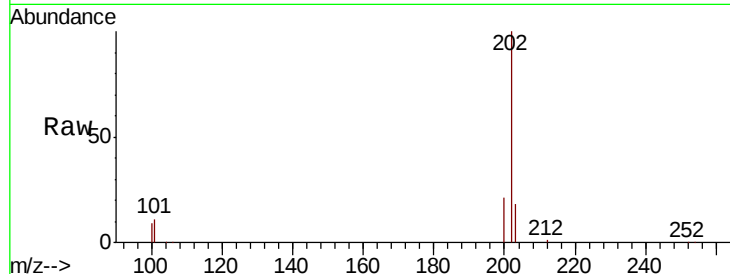
#17
Pvrene
Concen: 8.023 ng/ul
RT: 19.25 min Scan# 3625
Delta R.T. -0.01 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

Instrument :
BNA_N
ClientSampleId :
C0B26

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	9.1	13.7
100	8.9	7.5	11.3

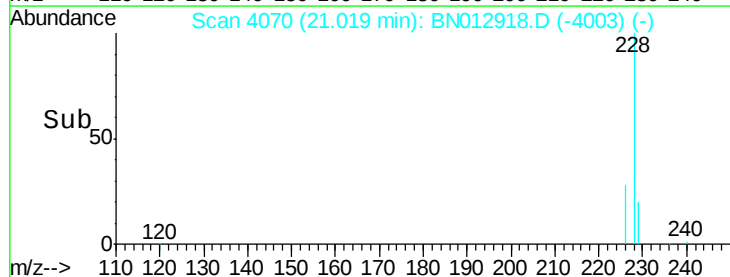
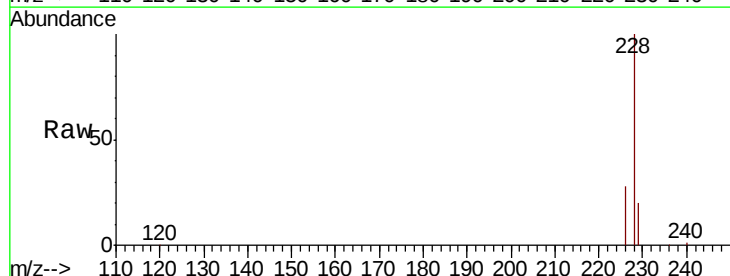
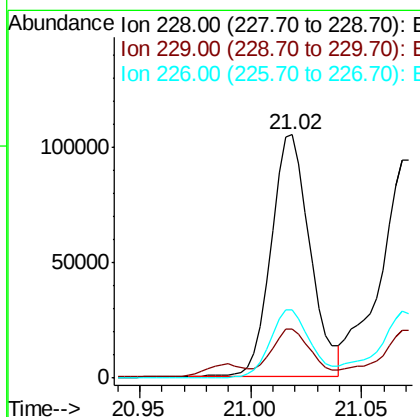
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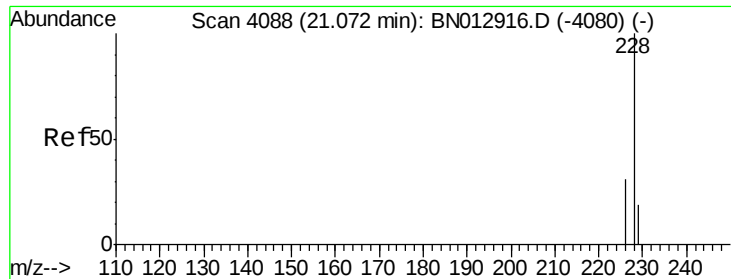
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#18
Benzo(a)anthracene
Concen: 4.941 ng/ul
RT: 21.02 min Scan# 4070
Delta R.T. -0.00 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.3	16.3	24.5
226	28.0	23.4	35.2





#19

Chrysene

Concen: 4.714 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Instrument :

BNA_N

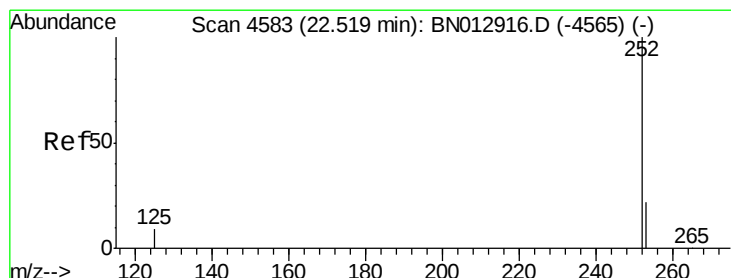
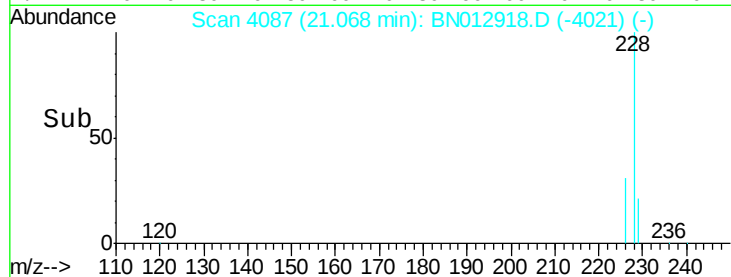
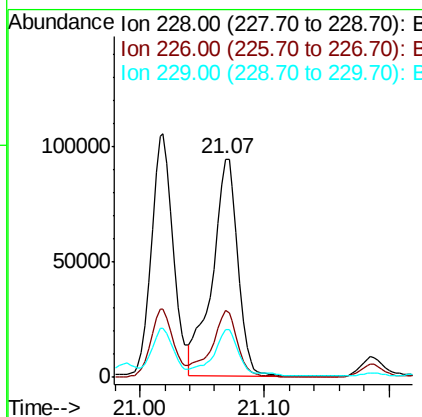
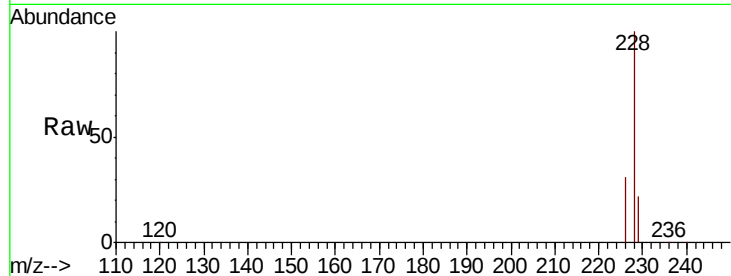
ClientSampleId :

C0B26

Tot Ion:	228	Resp:	135185
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.7	16.4	24.6

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#21

Benzo(b)fluoranthene

Concen: 6.951 ng/ul m

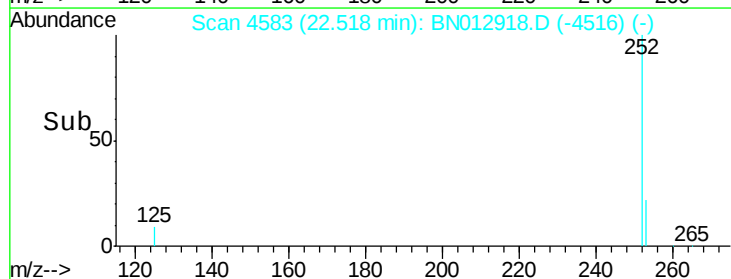
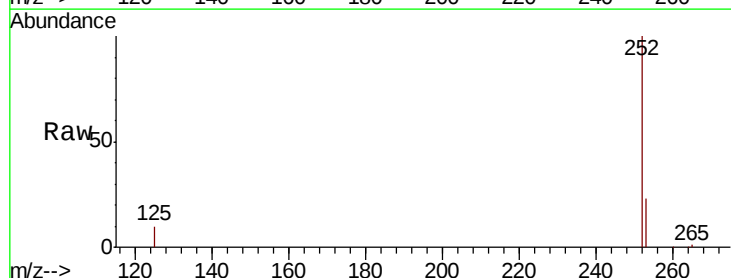
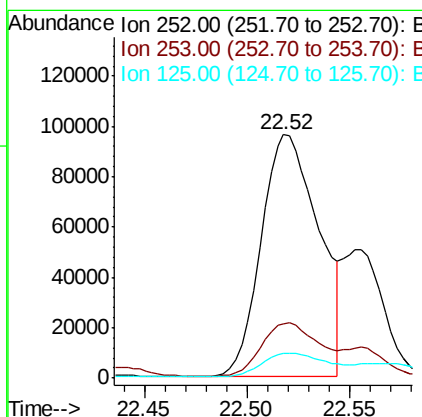
RT: 22.52 min Scan# 4583

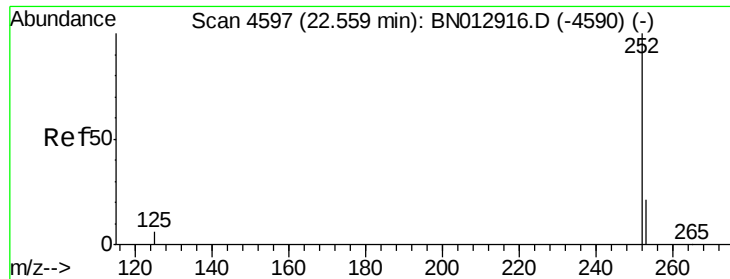
Delta R.T. -0.00 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Tgt Ion:	252	Resp:	189948
Ion Ratio	Lower	Upper	
252	100		
253	22.5	0.0	59.6
125	9.9	0.0	26.0





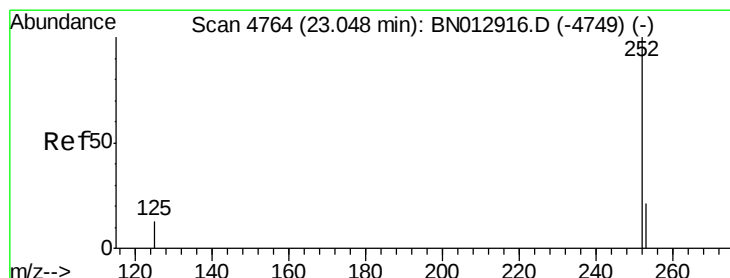
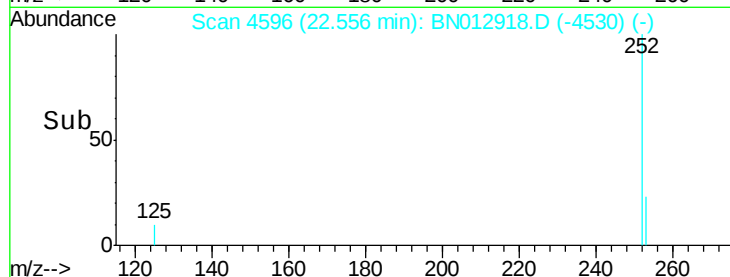
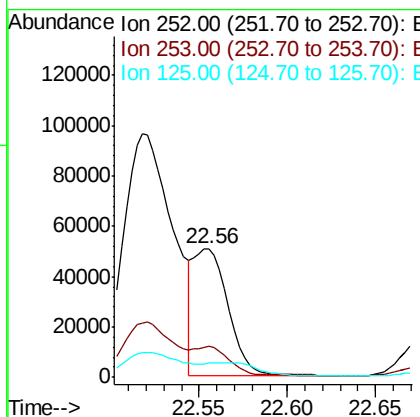
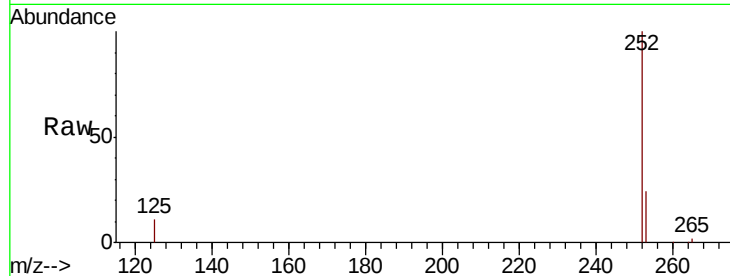
#22
Benzo(k)fluoranthene
Concen: 2.276 ng/ul m
RT: 22.56 min Scan# 4596
Delta R.T. -0.01 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

Instrument :
BNA_N
ClientSampleId :
C0B26

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	23.4	35.2
125	11.1	11.1	16.7

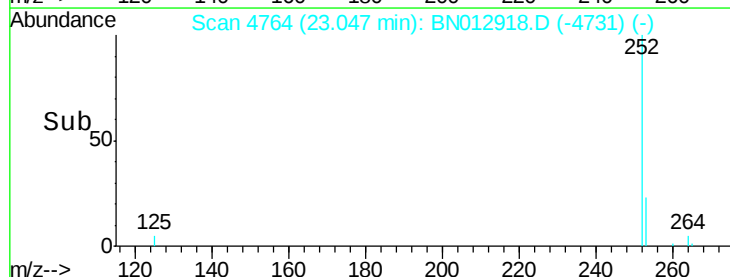
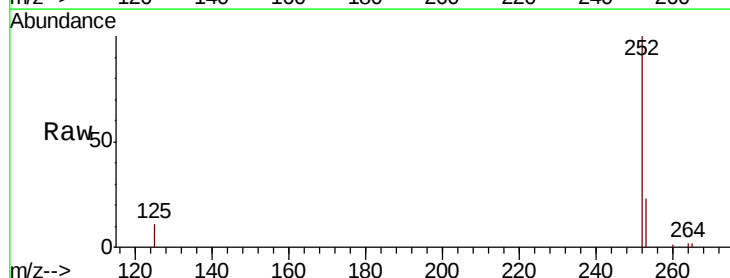
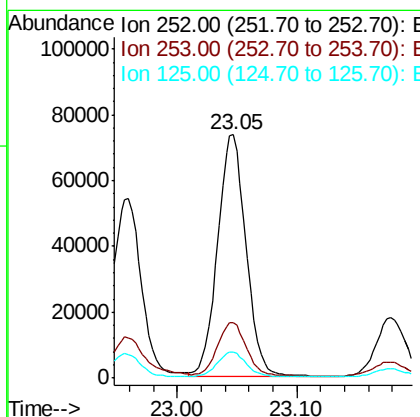
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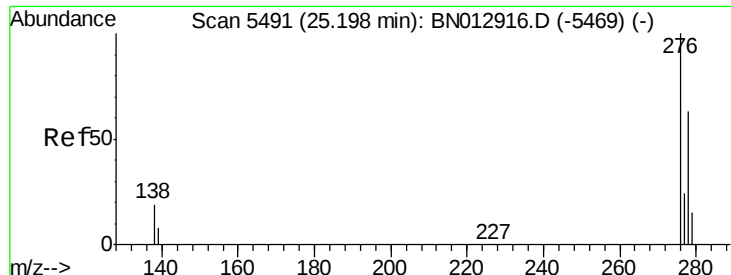
mohammad
12/7/2020 2:11:36 PM



#23
Benzo(a)pyrene
Concen: 4.786 ng/ul m
RT: 23.05 min Scan# 4764
Delta R.T. -0.00 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	26.5	39.7#
125	10.6	14.2	21.2#





#24

Indeno(1,2,3-cd)pyrene

Concen: 2.446 ng/ul

RT: 25.19 min Scan# 5489

Delta R.T. -0.01 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Instrument :

BNA_N

ClientSampleId :

C0B26

Tot Ion:276 Resp: 81487

Ion Ratio Lower Upper

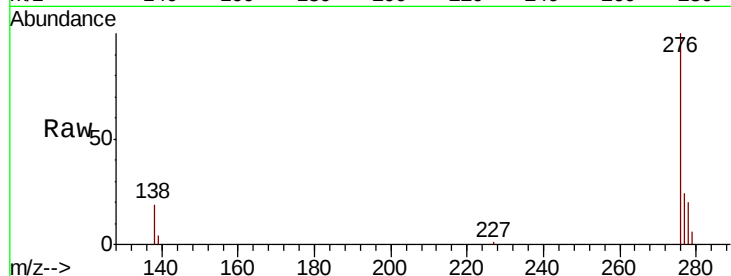
276 100

138 18.8 16.2 24.2

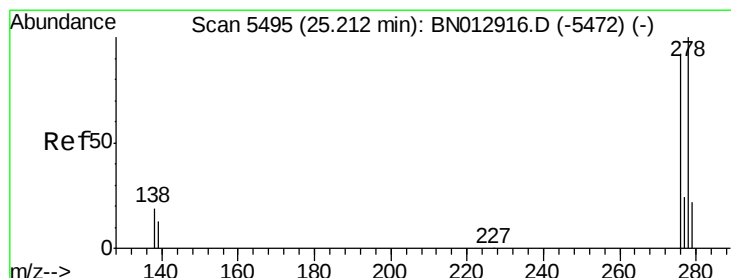
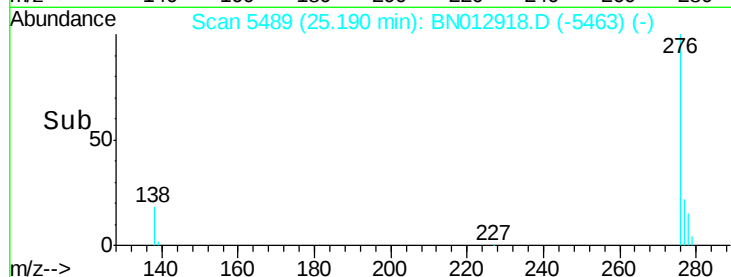
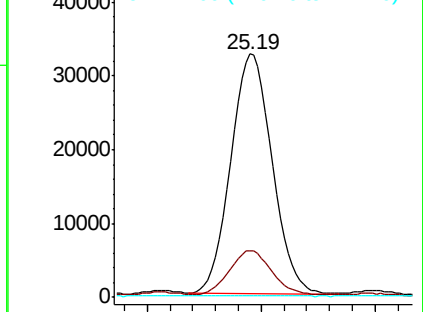
227 0.1 0.0 0.0#

Manual Integrations
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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: 0.748 ng/ul

RT: 25.20 min Scan# 5491

Delta R.T. -0.02 min

Lab File: BN012918.D

Acq: 06 Dec 2020 15:29

Tgt Ion:278 Resp: 19701

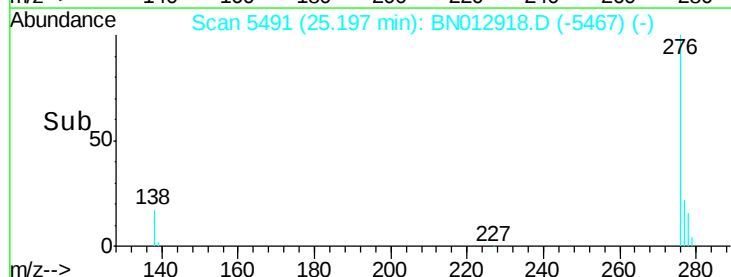
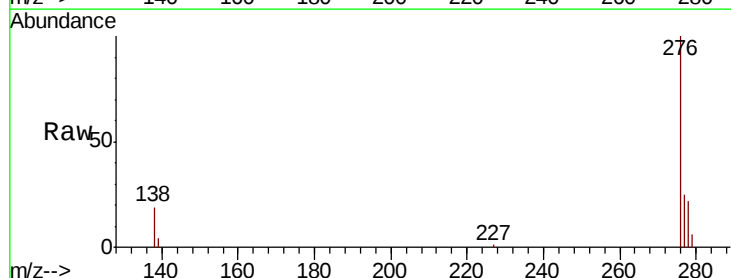
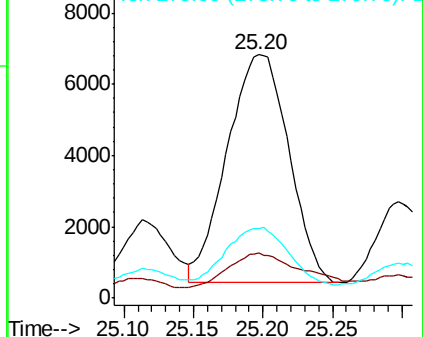
Ion Ratio Lower Upper

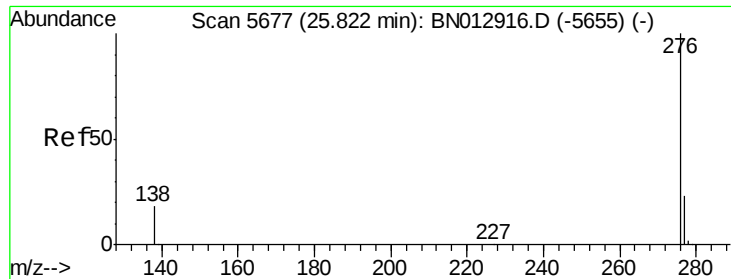
278 100

139 18.5 14.5 21.7

279 28.7 26.3 39.5

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





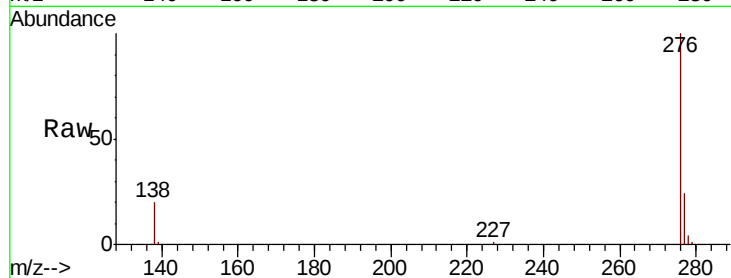
#26
Benzo(a,h,i)perylene
Concen: 2.324 ng/ul
RT: 25.82 min Scan# 5677
Delta R.T. -0.01 min
Lab File: BN012918.D
Acq: 06 Dec 2020 15:29

Instrument :
BNA_N
ClientSampleId :
C0B26

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.3	24.5
277	24.3	21.8	32.6

Manual Integrations
APPROVED

mohammad
12/7/2020 2:11:36 PM



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

