

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012666.D
 Acq On : 20 Nov 2020 19:27
 Operator : CG/JU
 Sample : L4710-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B32

Manual Integrations
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mohammad
 11/24/2020 8:56:07 AM

Quant Time: Nov 21 00:28:40 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 : Sat Nov 21 00:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	893	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	3564	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2041	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	4231m	0.40	ng/ul	0.00
16) Chrysene-d12	21.07	240	4041	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3938	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	1097	0.21	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	2841	0.26	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.26	128	426	0.040	ng/ul#	72
5) 2-Methylnaphthalene	11.89	142	279	0.041	ng/ul	97
7) Acenaphthylene	13.82	152	506	0.051	ng/ul#	77
8) Acenaphthene	14.16	153	187	0.022	ng/ul	92
9) Fluorene	15.16	166	265	0.029	ng/ul#	91
12) Phenanthrene	16.89	178	8551	0.581	ng/ul	97
13) Anthracene	16.98	178	1259	0.098	ng/ul#	93
15) Fluoranthene	18.92	202	35521	2.090	ng/ul	99
17) Pyrene	19.29	202	31222	1.727	ng/ul	99
18) Benzo(a)anthracene	21.05	228	15760	1.088	ng/ul	99
19) Chrysene	21.10	228	23717	1.311	ng/ul	99
21) Benzo(b)fluoranthene	22.56	252	33713m	1.861	ng/ul	
22) Benzo(k)fluoranthene	22.59	252	13021m	0.623	ng/ul	
23) Benzo(a)pyrene	23.09	252	20423	1.198	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.26	276	16330	0.732	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.27	278	3776	0.211	ng/ul#	85
26) Benzo(a,h,i)perylene	25.90	276	16035	0.799	ng/ul	97

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

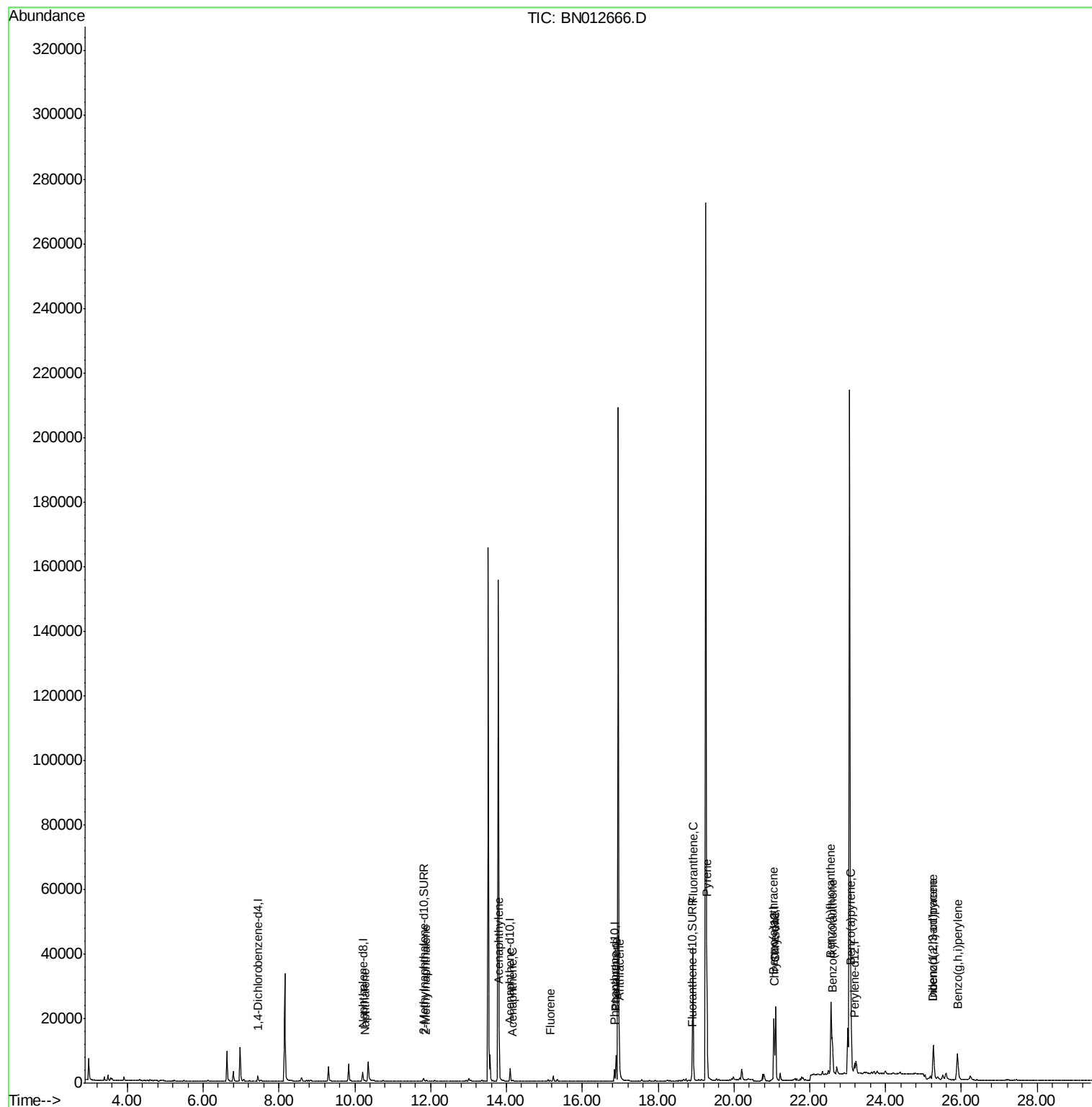
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
Data File : BN012666.D
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Operator : CG/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

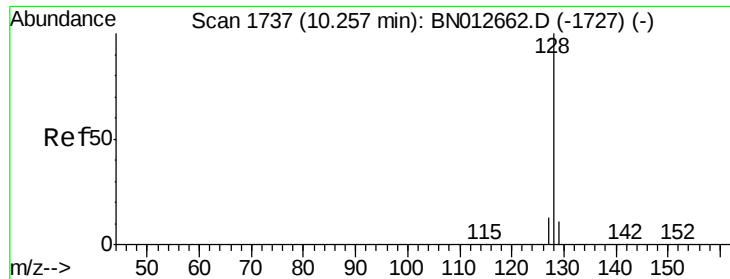
Instrument :
BNA_N
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Quant Time: Nov 21 00:28:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 21 00:16:07 2020
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#3

Naphthalene

Concen: 0.040 ng/ul

RT: 10.26 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

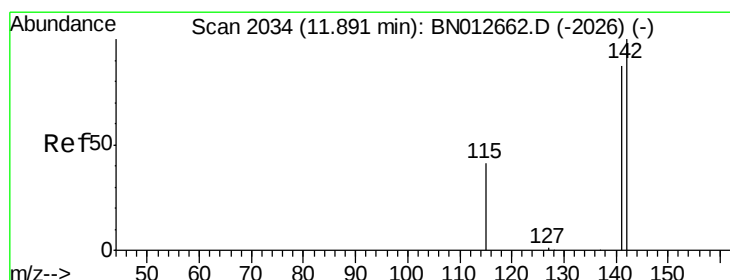
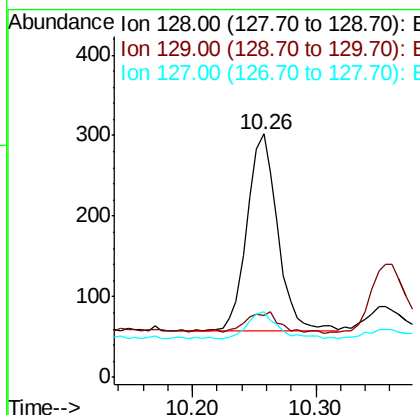
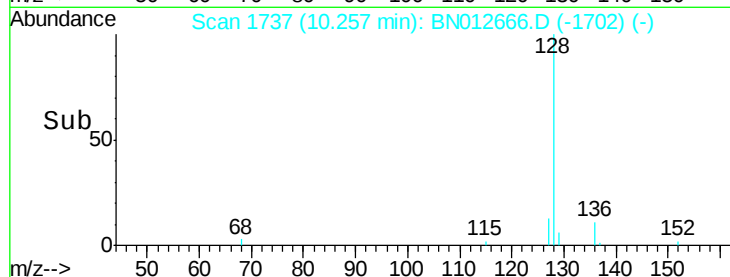
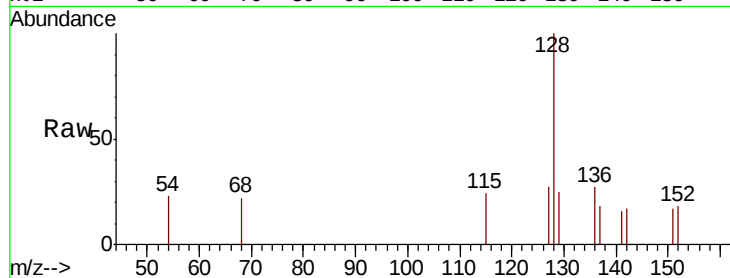
ClientSampleId :

C0B32

Tot Ion:	128	Resp:	426
Ion	Ratio	Lower	Upper
128	100		
129	25.5	11.2	16.8#
127	27.2	12.5	18.7#

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#5

2-Methylnaphthalene

Concen: 0.041 ng/ul

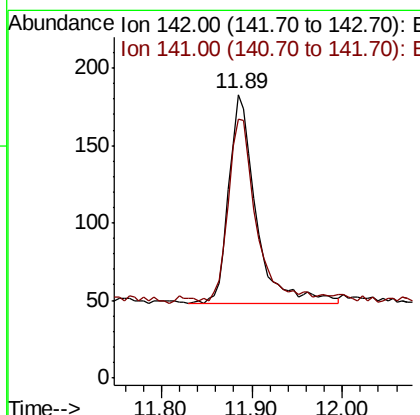
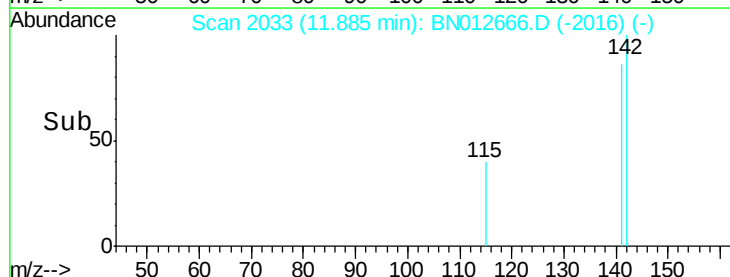
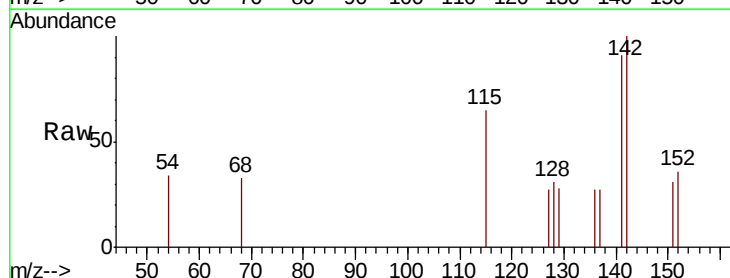
RT: 11.89 min Scan# 2033

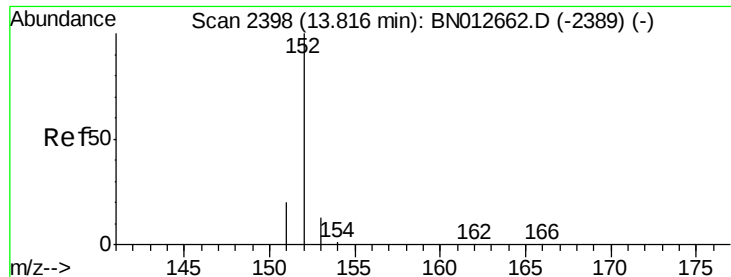
Delta R.T. -0.01 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Tgt Ion:	142	Resp:	279
Ion	Ratio	Lower	Upper
142	100		
141	93.2	72.3	108.5





#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

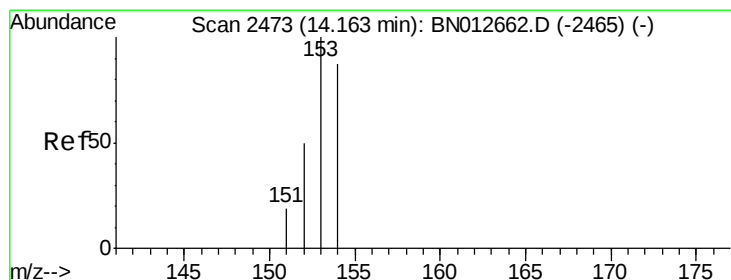
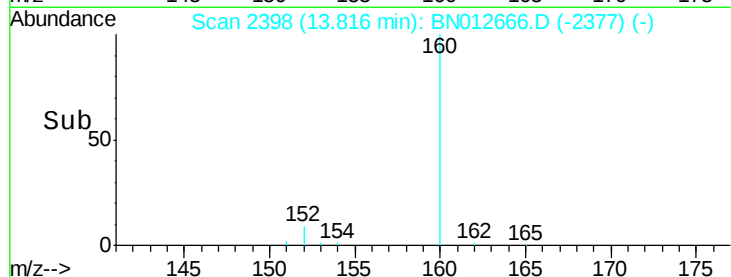
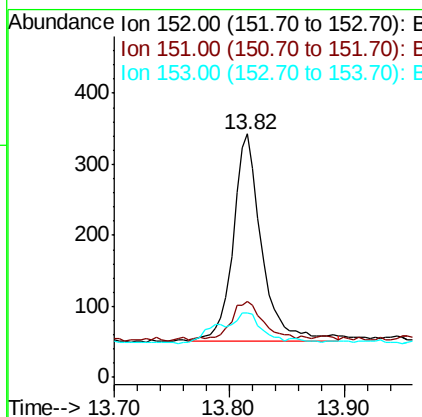
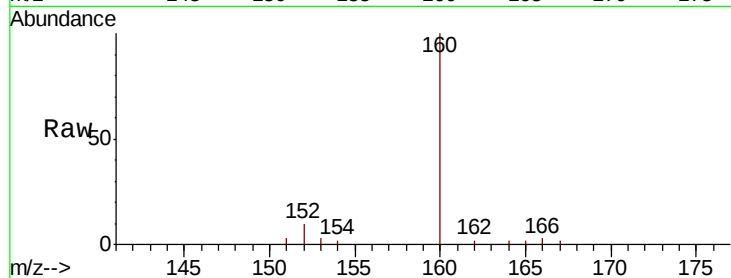
ClientSampleId :

C0B32

Tot Ion:	152	Resp:	506
Ion Ratio	Lower	Upper	
152	100		
151	31.5	17.1	25.7#
153	26.5	12.6	19.0#

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#8

Acenaphthene

Concen: 0.022 ng/ul

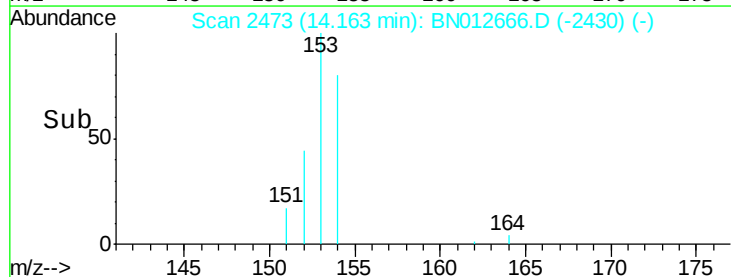
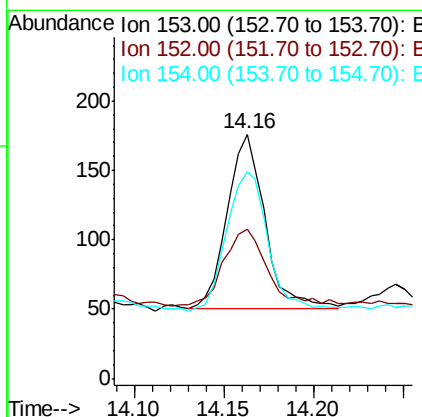
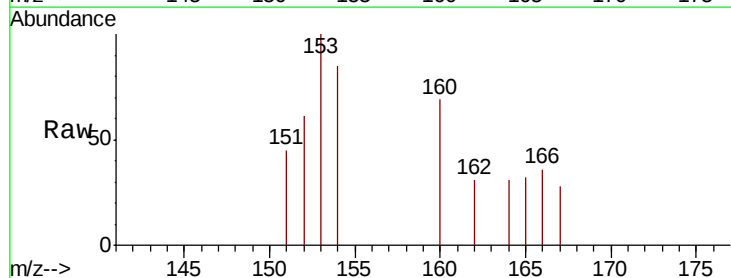
RT: 14.16 min Scan# 2473

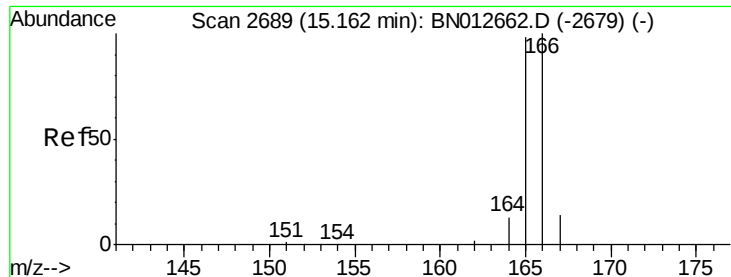
Delta R.T. 0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Tgt Ion:	153	Resp:	187
Ion Ratio	Lower	Upper	
153	100		
152	61.4	41.4	62.0
154	84.7	70.9	106.3





#9

Fluorene

Concen: 0.029 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

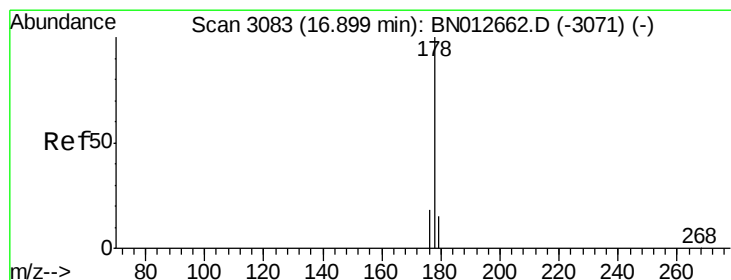
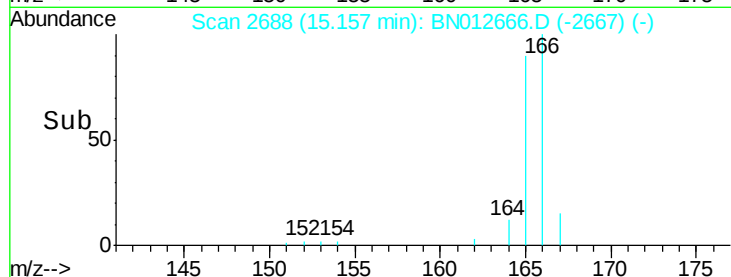
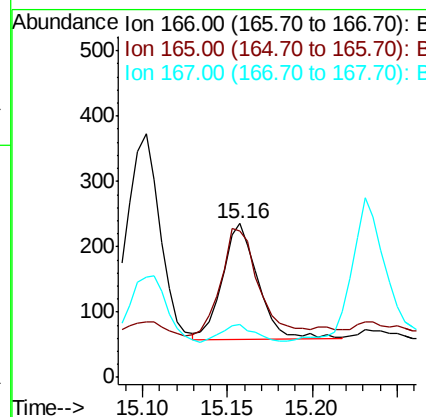
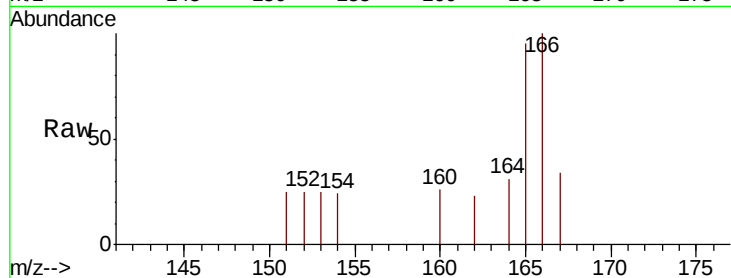
ClientSampled :

C0B32

Tot Ion:	166	Resp:	265
Ion Ratio	Lower	Upper	
166	100		
165	95.3	78.5	117.7
167	34.5	12.7	19.1#

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#12

Phenanthrene

Concen: 0.581 ng/ul

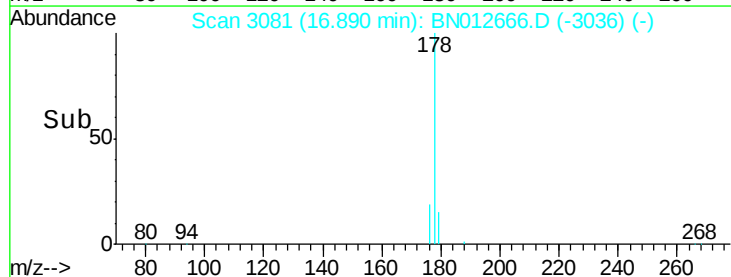
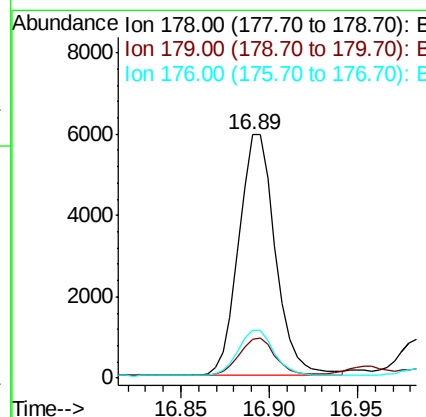
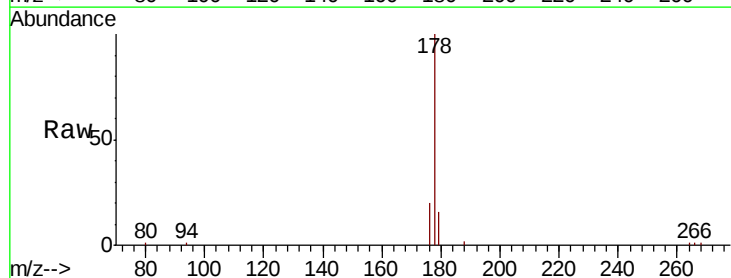
RT: 16.89 min Scan# 3081

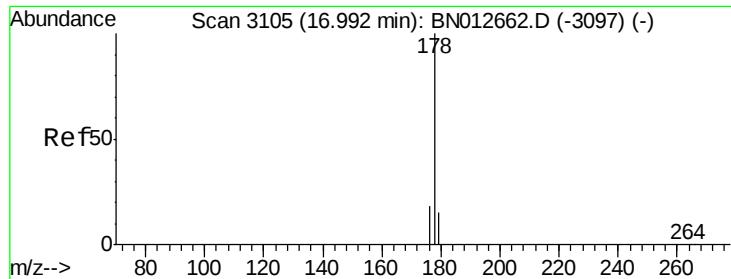
Delta R.T. -0.01 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Tgt Ion:	178	Resp:	8551
Ion Ratio	Lower	Upper	
178	100		
179	15.9	13.8	20.6
176	19.5	16.7	25.1





#13

Anthracene

Concen: 0.098 ng/ul

RT: 16.98 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

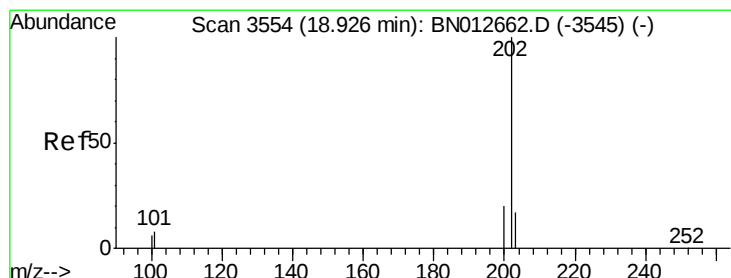
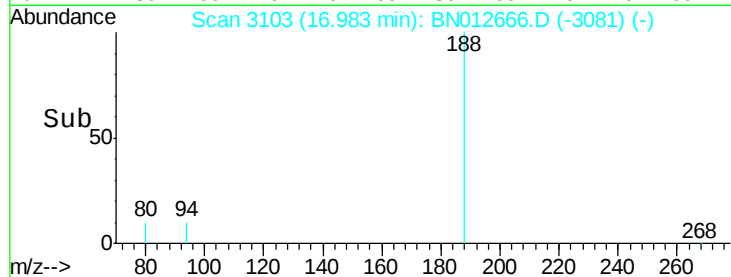
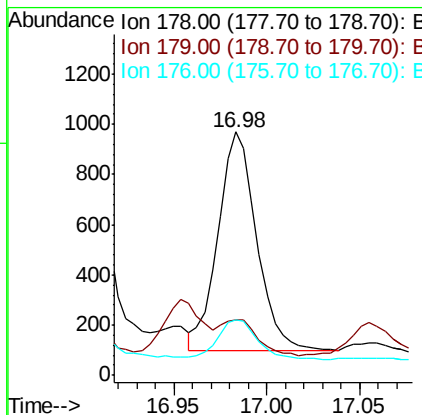
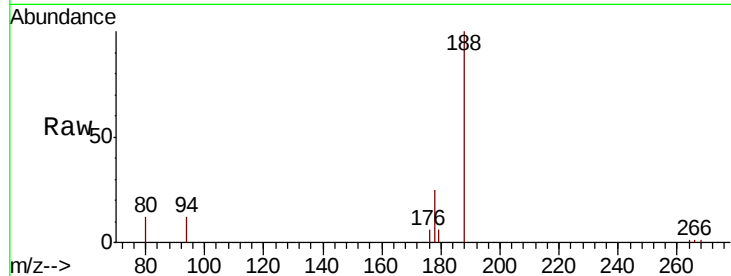
ClientSampled :

C0B32

Tot Ion	Ratio	Lower	Upper
178	100		
179	22.9	14.8	22.2#
176	22.7	16.3	24.5

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#15

Fluoranthene

Concen: 2.090 ng/ul

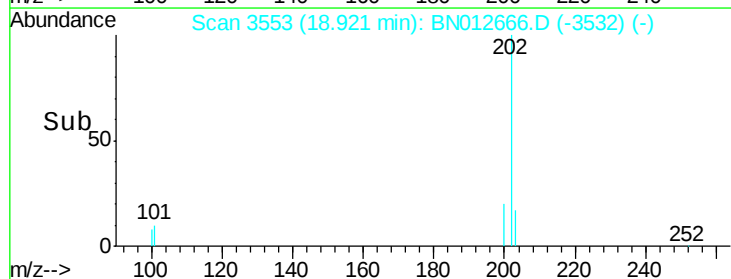
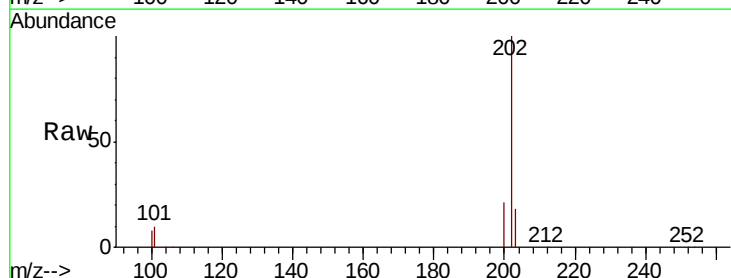
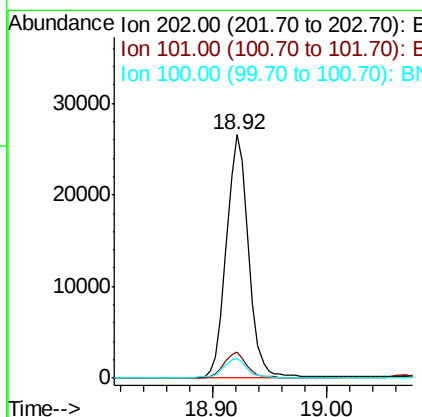
RT: 18.92 min Scan# 3553

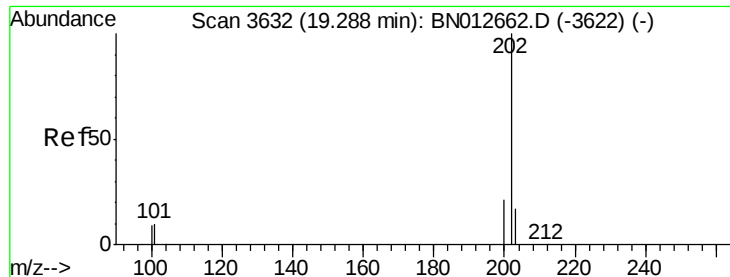
Delta R.T. -0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.5
100	7.9	0.0	28.4





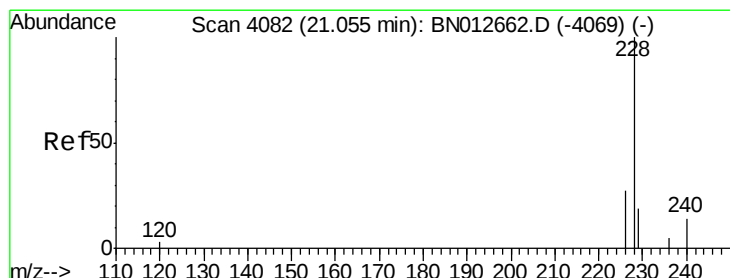
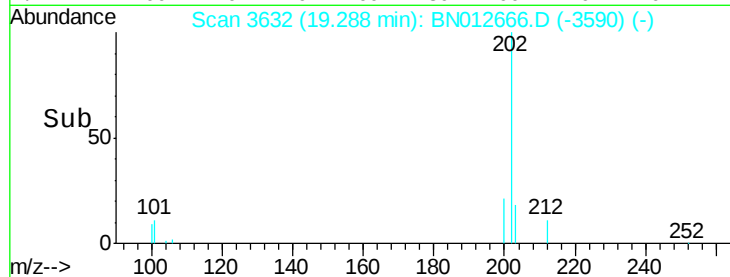
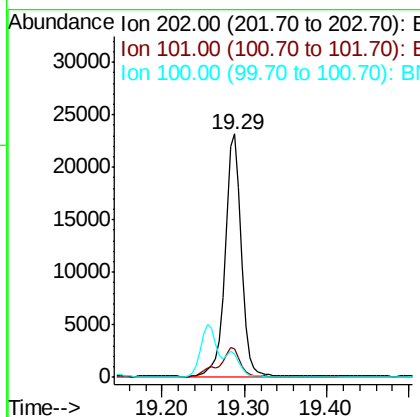
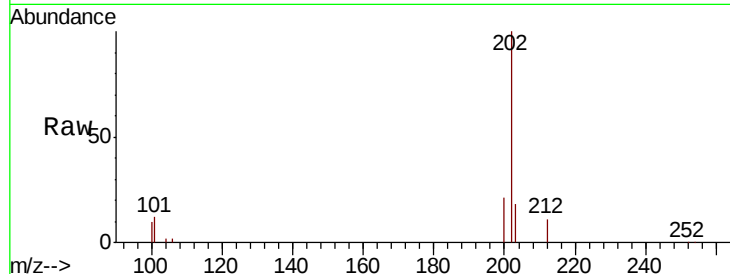
#17
Pvrene
Concen: 1.727 ng/ul
RT: 19.29 min Scan# 3632
Delta R.T. -0.00 min
Lab File: BN012666.D
Acq: 20 Nov 2020 19:27

Instrument :
BNA_N
ClientSampleId :
C0B32

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	8.9	13.3
100	9.6	7.4	11.2

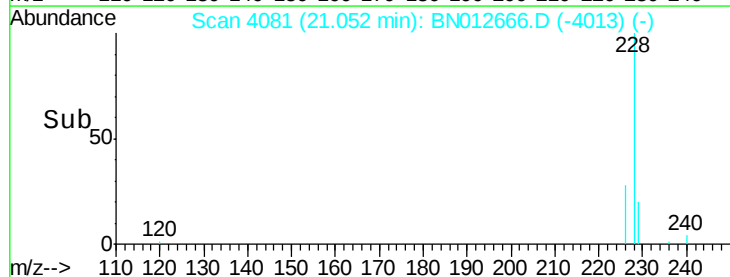
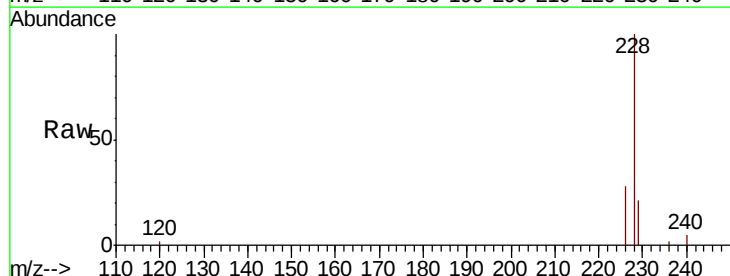
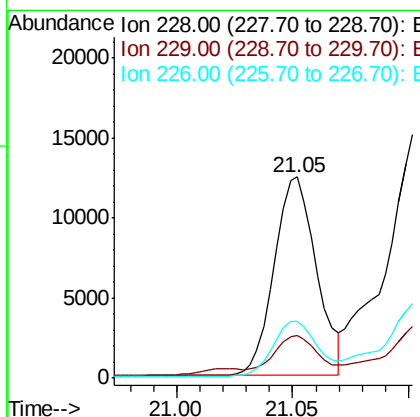
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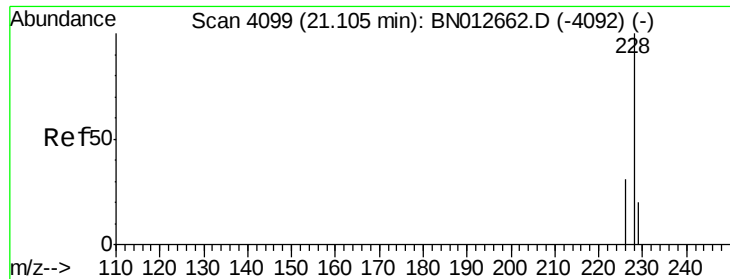
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#18
Benzo(a)anthracene
Concen: 1.088 ng/ul
RT: 21.05 min Scan# 4081
Delta R.T. 0.00 min
Lab File: BN012666.D
Acq: 20 Nov 2020 19:27

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	16.9	25.3
226	28.3	23.1	34.7





#19

Chrysene

Concen: 1.311 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

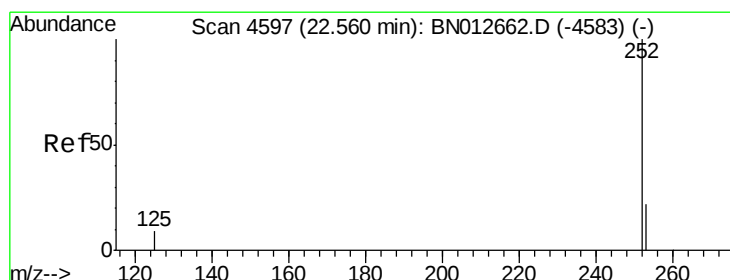
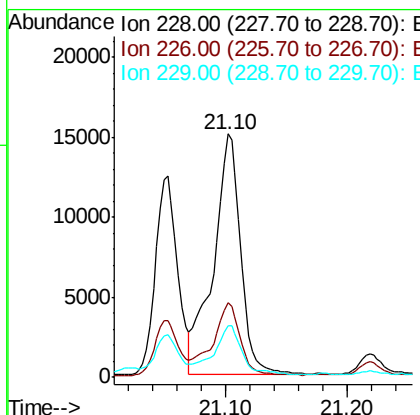
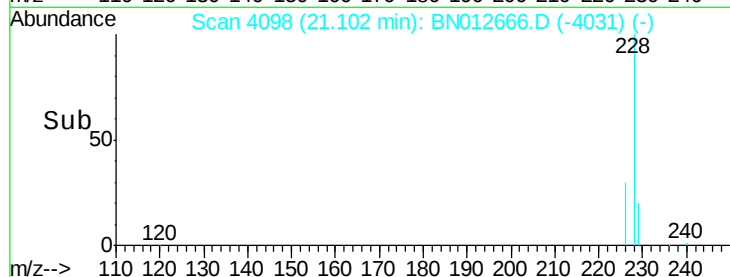
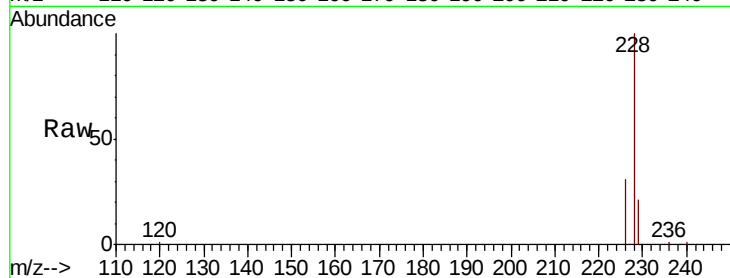
ClientSampleId :

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Tot Ion:228	Resp:	23717
Ion Ratio	Lower	Upper
228 100		
226 30.7	24.4	36.6
229 21.2	16.1	24.1

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#21

Benzo(b)fluoranthene

Concen: 1.861 ng/ul m

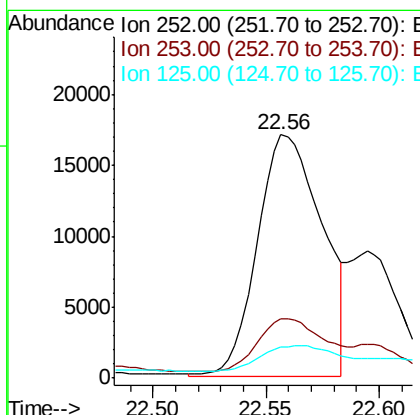
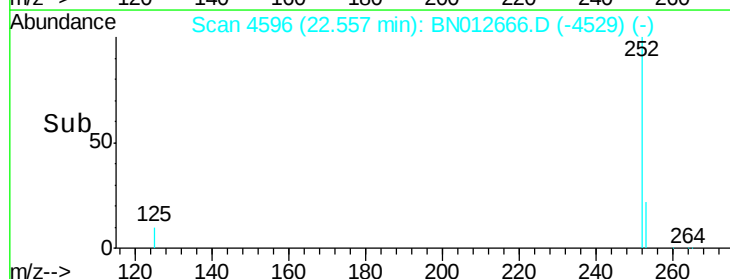
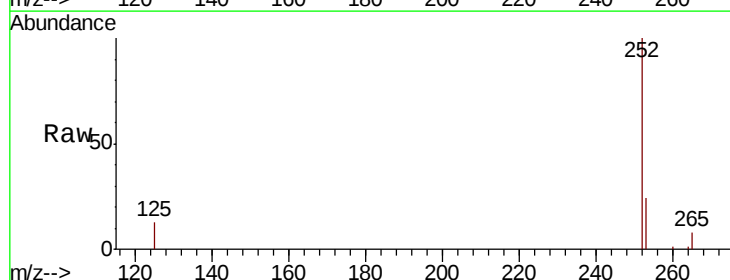
RT: 22.56 min Scan# 4596

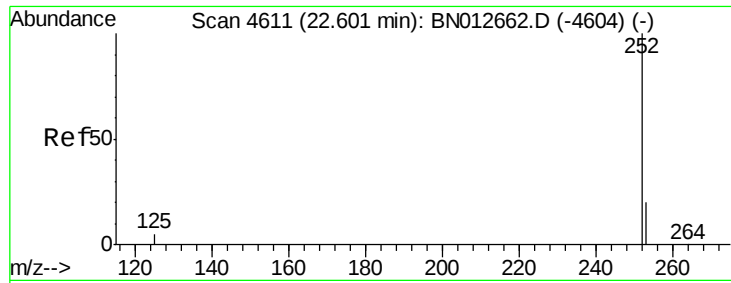
Delta R.T. -0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Tgt Ion:252	Resp:	33713
Ion Ratio	Lower	Upper
252 100		
253 24.2	0.0	58.4
125 12.8	0.0	28.6





#22

Benzo(k)fluoranthene

Concen: 0.623 ng/ul m

RT: 22.59 min Scan# 4609

Delta R.T. -0.01 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

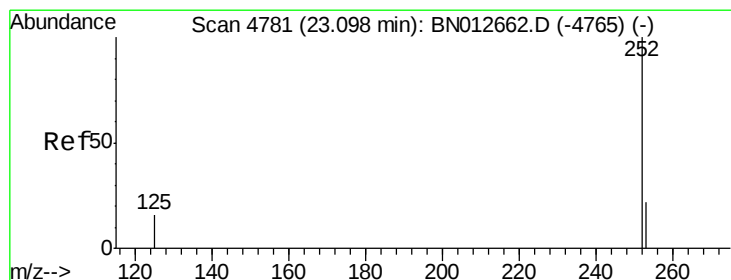
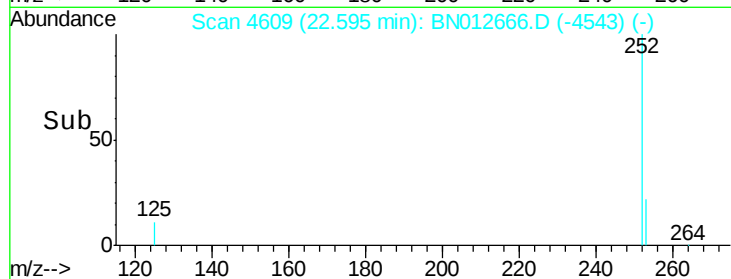
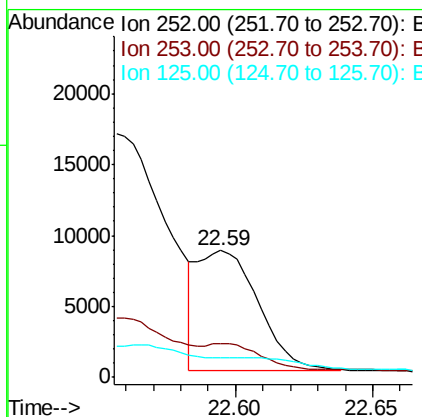
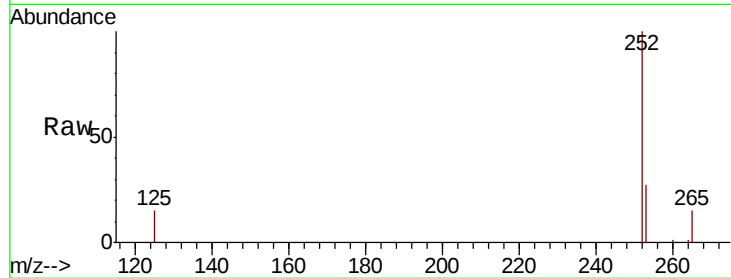
ClientSampleId :

C0B32

Tot Ion:	252	Resp:	13021
Ion Ratio	Lower	Upper	
252	100		
253	26.6	23.4	35.2
125	15.5	10.2	15.2#

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#23

Benzo(a)pyrene

Concen: 1.198 ng/ul

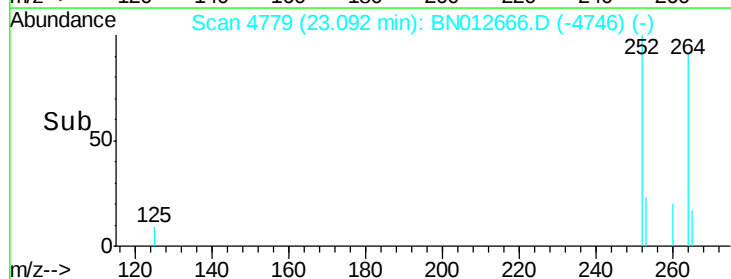
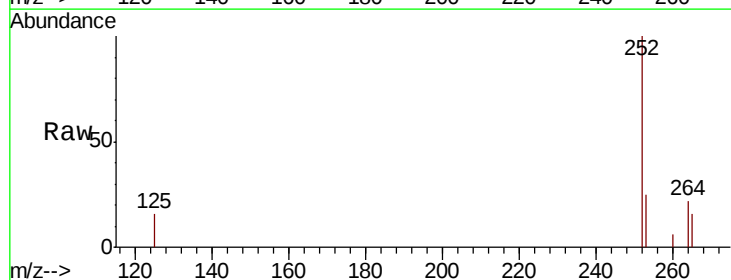
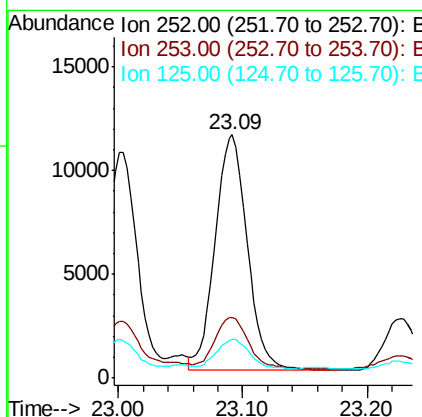
RT: 23.09 min Scan# 4779

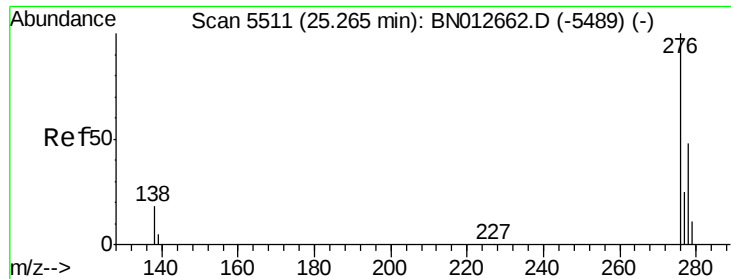
Delta R.T. -0.00 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Tgt Ion:	252	Resp:	20423
Ion Ratio	Lower	Upper	
252	100		
253	25.1	27.6	41.4#
125	15.9	17.0	25.4#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.732 ng/uL

RT: 25.26 min Scan# 5509

Delta R.T. -0.01 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

Instrument :

BNA_N

ClientSampleId :

C0B32

Tot Ion:276 Resp: 16330

Ion Ratio Lower Upper

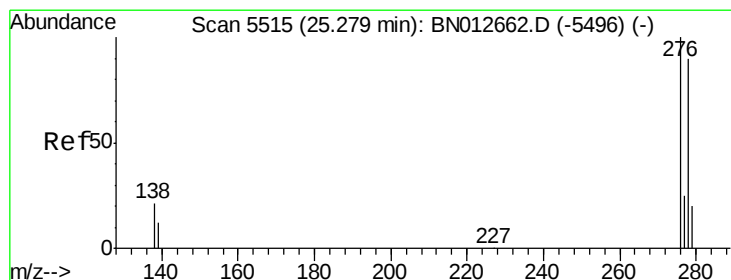
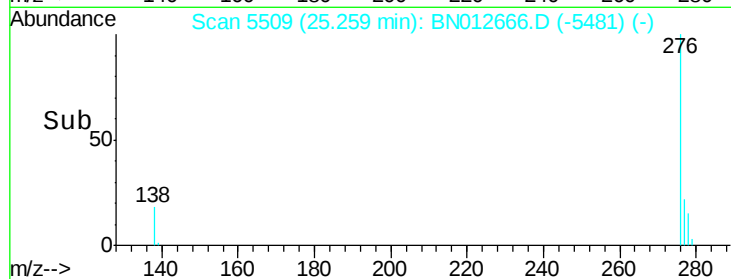
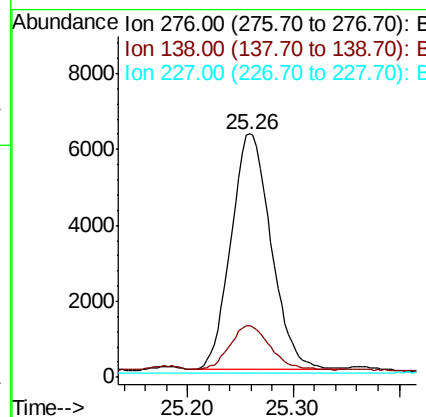
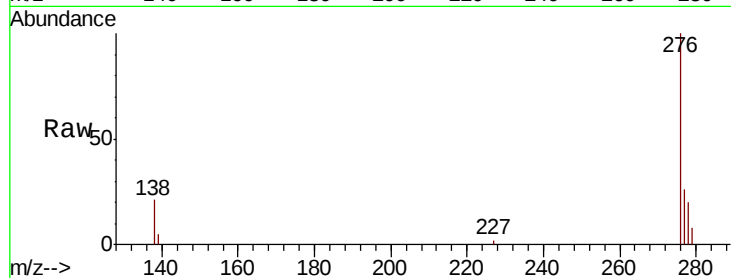
276 100

138 19.4 16.5 24.7

227 0.1 0.1 0.1#

Manual Integrations
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#25

Dibenzo(a,h)anthracene

Concen: 0.211 ng/uL

RT: 25.27 min Scan# 5511

Delta R.T. -0.02 min

Lab File: BN012666.D

Acq: 20 Nov 2020 19:27

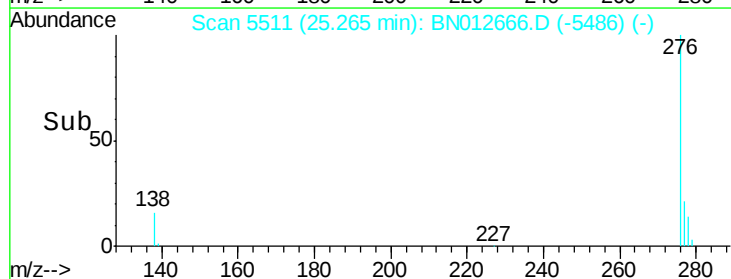
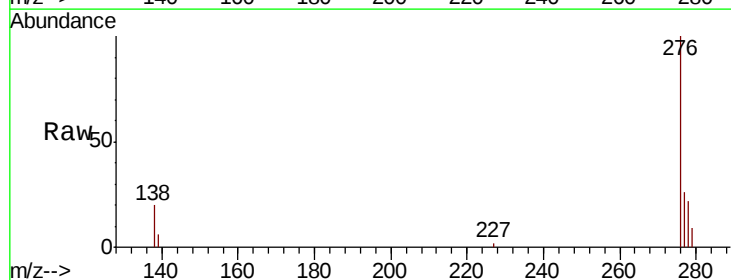
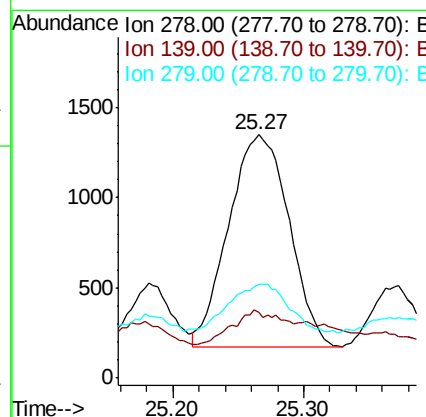
Tgt Ion:278 Resp: 3776

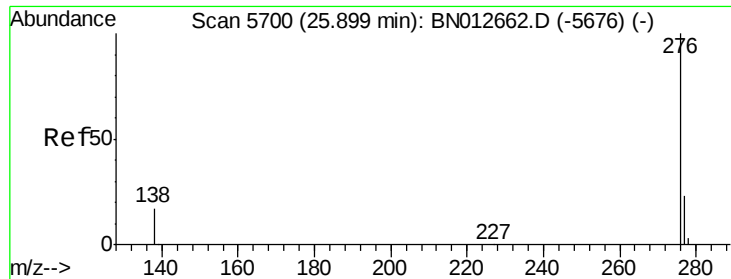
Ion Ratio Lower Upper

278 100

139 26.8 13.8 20.8#

279 38.5 25.6 38.4#





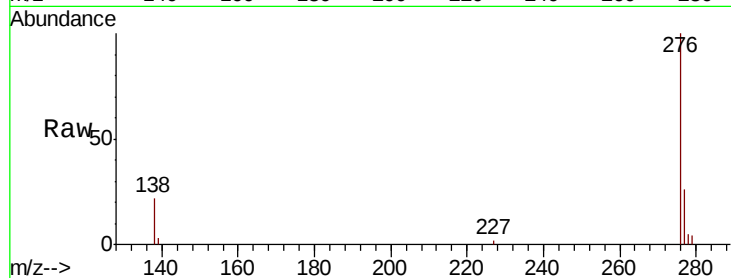
#26
 Benzo(a,h,i)perylene
 Concen: 0.799 ng/ul
 RT: 25.90 min Scan# 5699
 Delta R.T. -0.00 min
 Lab File: BN012666.D
 Acq: 20 Nov 2020 19:27

Instrument :
 BNA_N
 ClientSampleId :
 C0B32

Tot Ion:	276	Resp:	16035
Ion Ratio	Lower	Upper	
276	100		
138	21.6	16.3	24.5
277	25.5	21.8	32.8

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:56:07 AM



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

