

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\
 Data File : BN008866.D
 Acq On : 06 Dec 2019 19:02
 Operator : JU
 Sample : K6007-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BL8

Manual Integrations
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 12/9/2019 3:07:45 PM

Quant Time: Dec 06 23:11:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 12:03:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3017	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	13766	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	9088	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	20421	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	18714	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	21228	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	3649	0.16	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	11028	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	2913	0.070	ng/ul#	95
5) 2-Methylnaphthalene	12.00	142	2172	0.075	ng/ul	98
7) Acenaphthylene	13.91	152	5025	0.100	ng/ul	97
9) Fluorene	15.25	166	1143	0.026	ng/ul#	92
12) Phenanthrene	16.98	178	16860	0.245	ng/ul	100
13) Anthracene	17.07	178	4908	0.075	ng/ul#	95
15) Fluoranthene	19.00	202	56331	0.666	ng/ul	99
17) Pyrene	19.37	202	48523	0.646	ng/ul	99
18) Benzo(a)anthracene	21.12	228	34220	0.455	ng/ul	97
19) Chrysene	21.17	228	33118	0.448	ng/ul	97
21) Benzo(b)fluoranthene	22.66	252	47600m	0.544	ng/ul	
22) Benzo(k)fluoranthene	22.69	252	14735m	0.170	ng/ul	
23) Benzo(a)pyrene	23.20	252	26984	0.328	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.40	276	17773	0.185	ng/ul	93
25) Dibenzo(a,h)anthracene	25.40	278	5045	0.065	ng/ul#	78
26) Benzo(a,h,i)perylene	26.04	276	15321	0.191	ng/ul	99

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

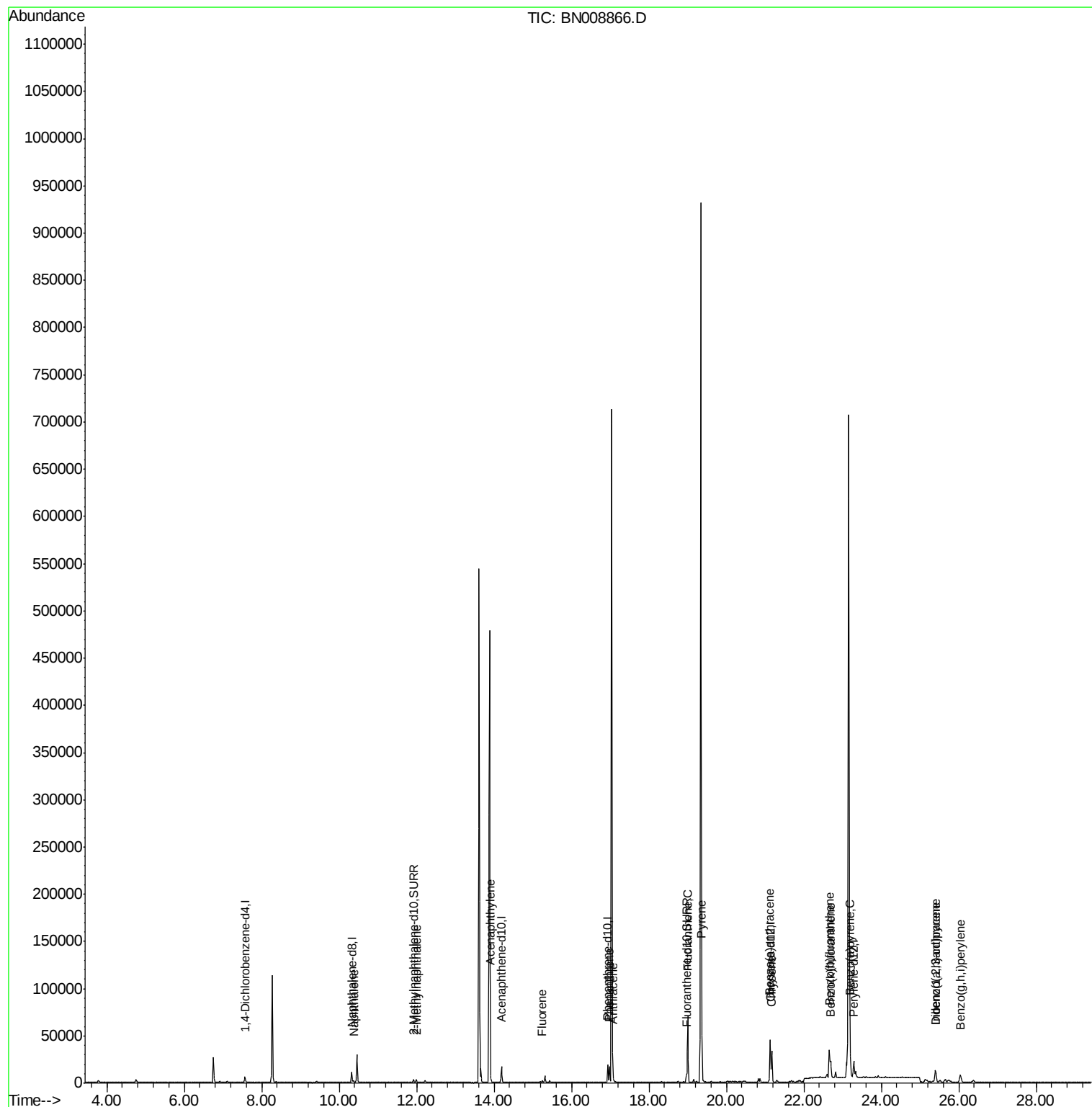
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\
Data File : BN008866.D
Acq On : 06 Dec 2019 19:02
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Sample : K6007-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

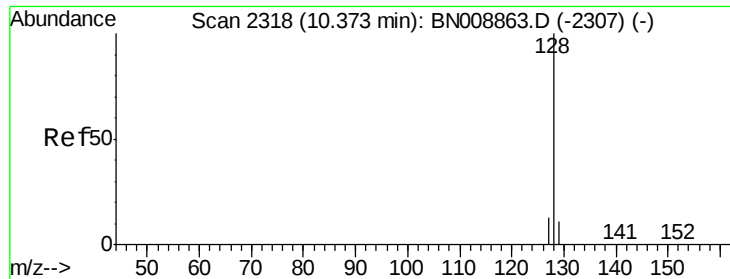
Instrument :
BNA_N
ClientSampleId :
C0BL8

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Quant Time: Dec 06 23:11:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 12:03:45 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.070 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

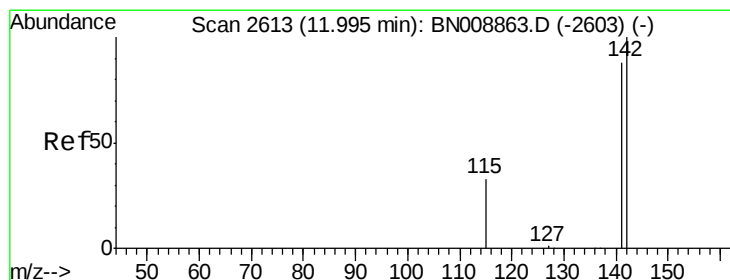
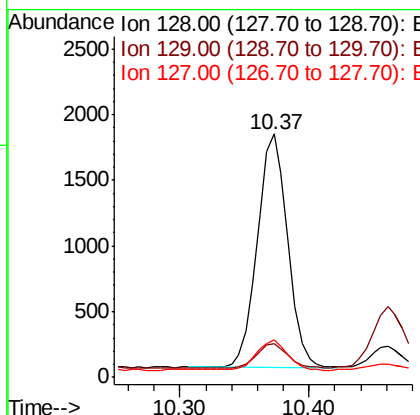
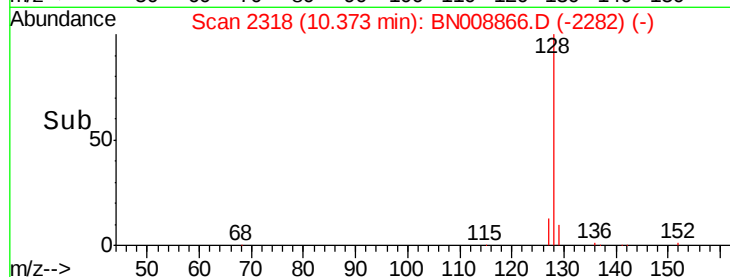
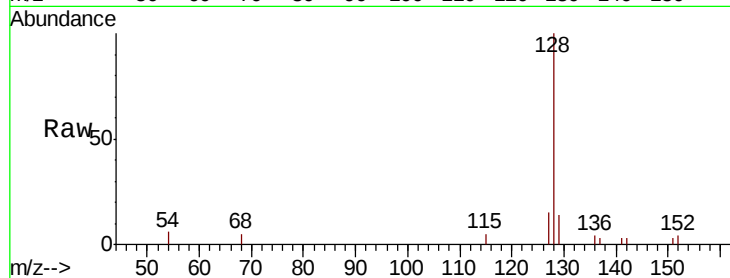
ClientSampleId :

C0BL8

Tot Ion:	128	Resp:	2913
Ion Ratio	Lower	Upper	
128	100		
129	13.7	9.1	13.7#
127	15.3	10.7	16.1

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#5

2-Methylnaphthalene

Concen: 0.075 ng/ul

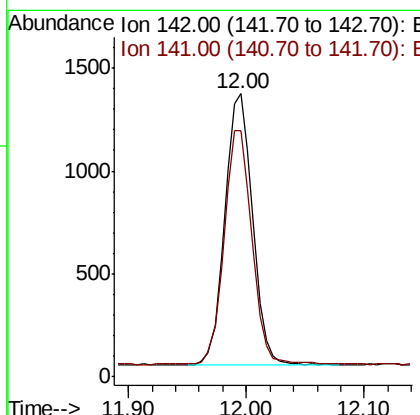
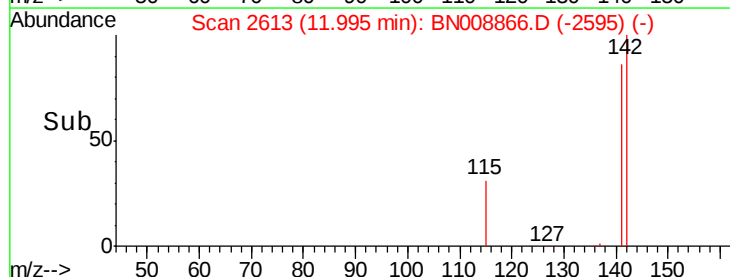
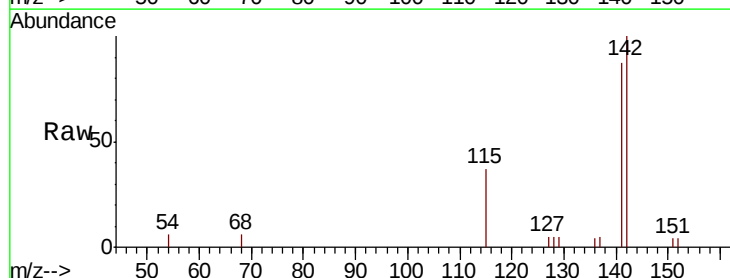
RT: 12.00 min Scan# 2613

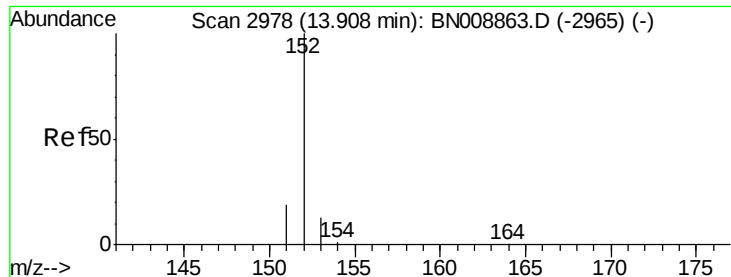
Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Tgt Ion:	142	Resp:	2172
Ion Ratio	Lower	Upper	
142	100		
141	85.6	70.1	105.1





#7

Acenaphthylene

Concen: 0.100 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

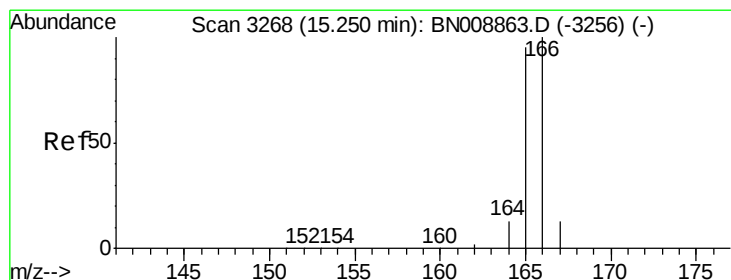
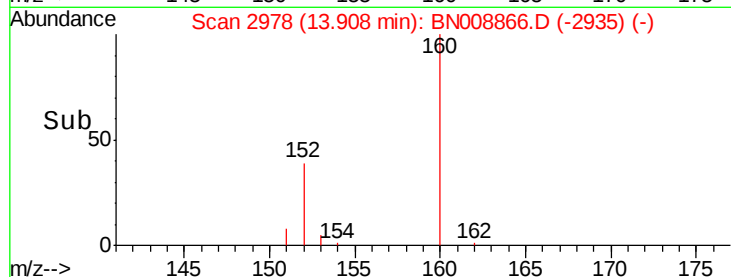
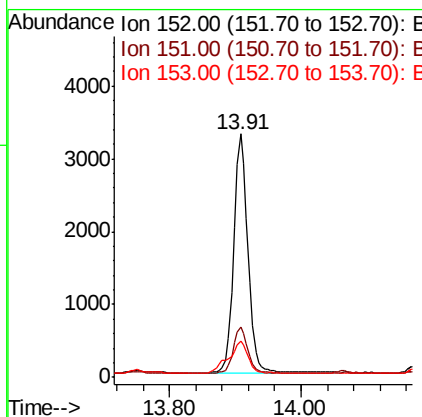
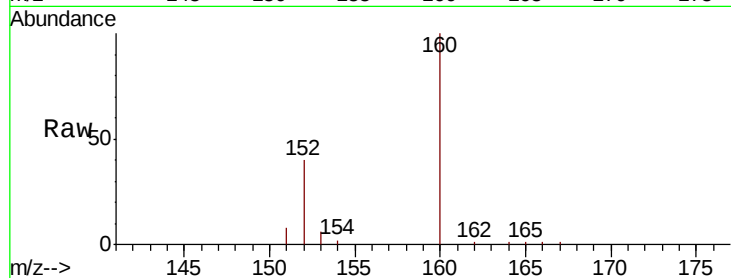
ClientSampleId :

C0BL8

Tot Ion:	152	Resp:	5025
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.8	23.6
153	15.1	10.6	15.8

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#9

Fluorene

Concen: 0.026 ng/ul

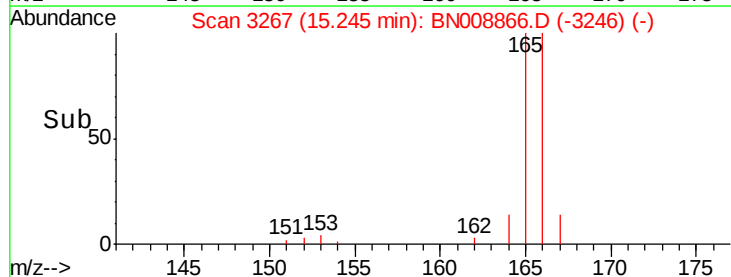
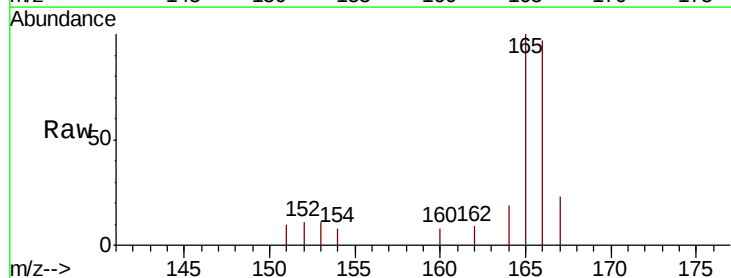
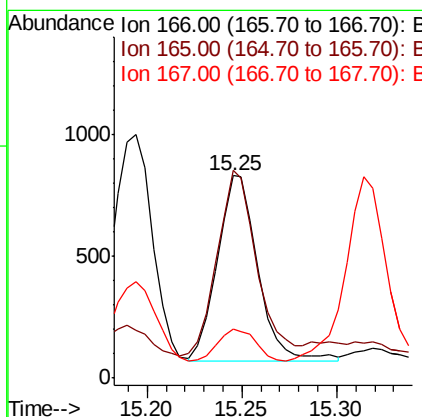
RT: 15.25 min Scan# 3267

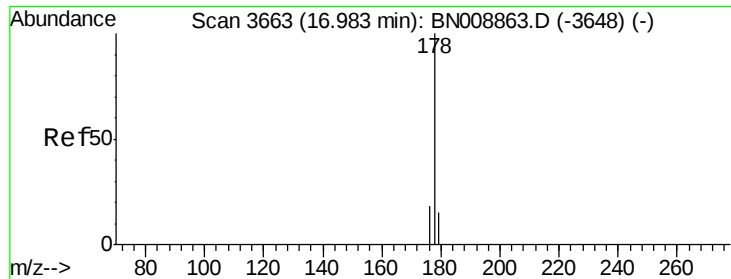
Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Tgt Ion:	166	Resp:	1143
Ion Ratio	Lower	Upper	
166	100		
165	103.0	77.7	116.5
167	24.2	11.1	16.7





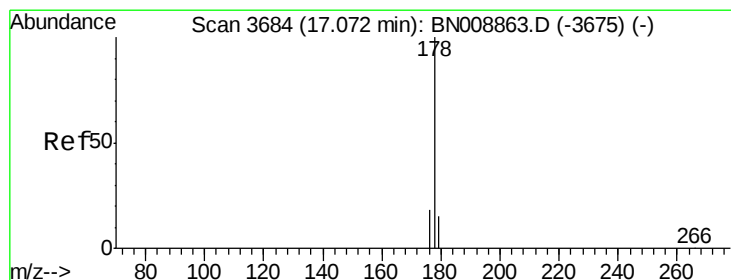
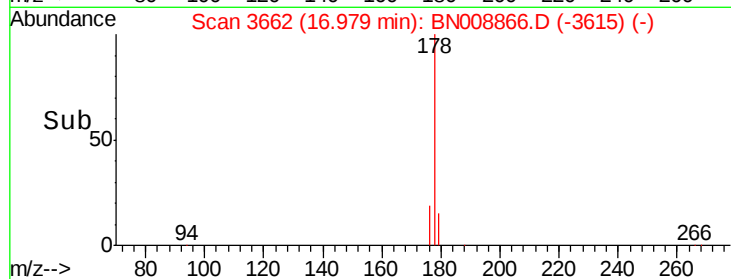
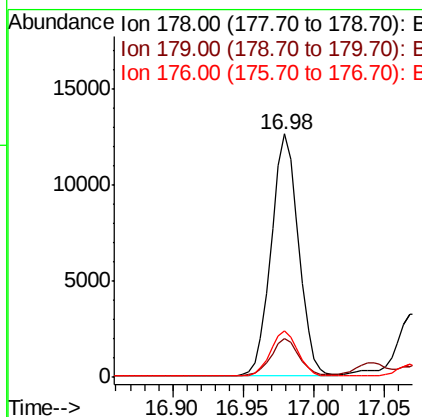
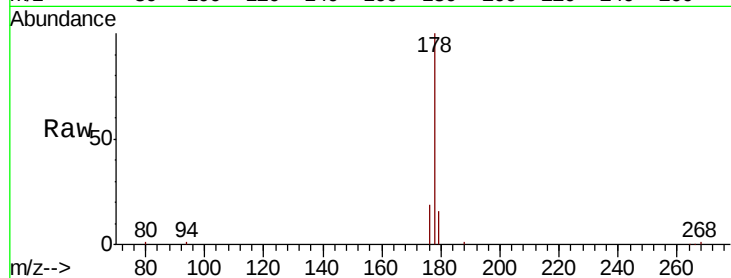
#12
Phenanthrene
Concen: 0.245 ng/ul
RT: 16.98 min Scan# 3662
Delta R.T. -0.00 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Instrument :
BNA_N
ClientSampleId :
C0BL8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	18.8
176	19.0	15.3	22.9

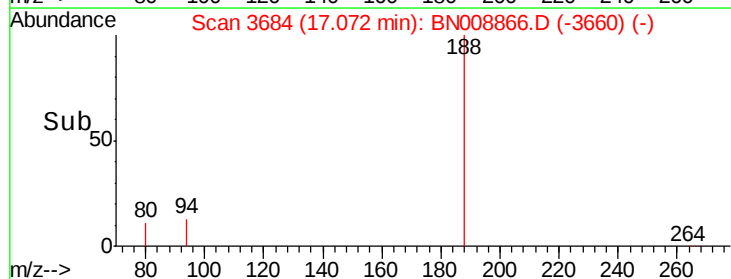
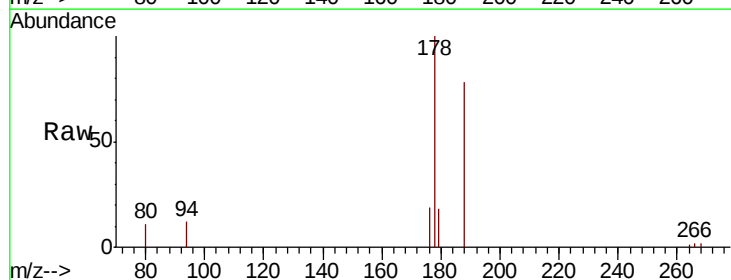
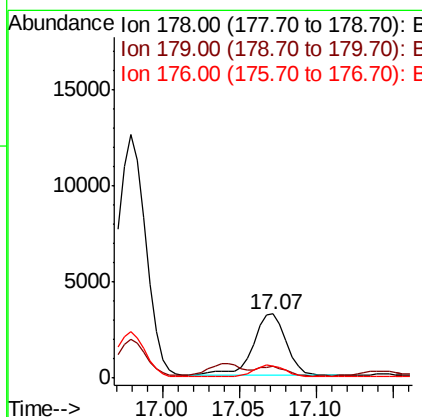
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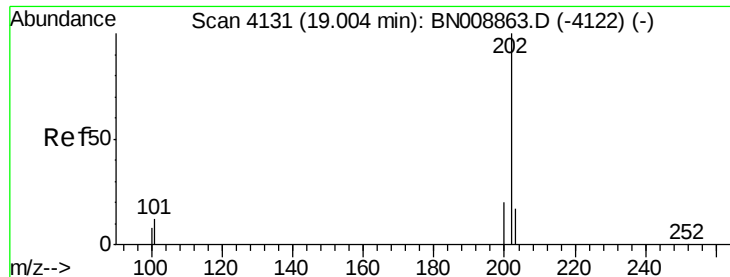
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#13
Anthracene
Concen: 0.075 ng/ul
RT: 17.07 min Scan# 3684
Delta R.T. -0.00 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.2	18.4#
176	19.4	14.7	22.1





#15

Fluoranthene

Concen: 0.666 ng/ul

RT: 19.00 min Scan# 4130

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

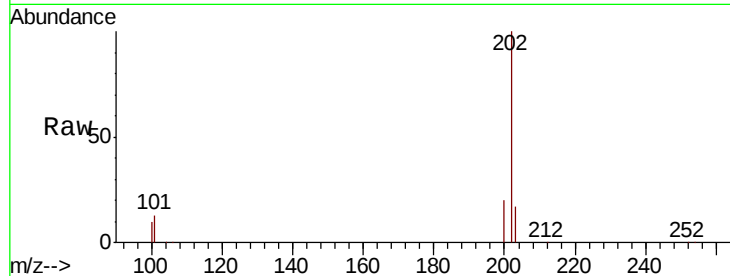
ClientSampleId :

C0BL8

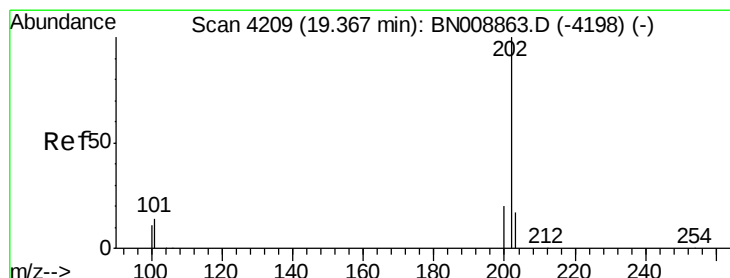
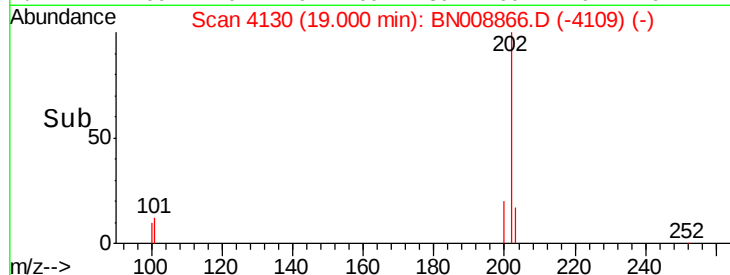
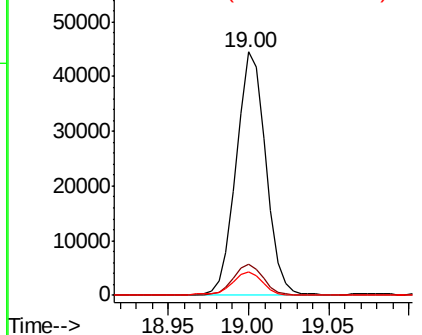
Tot Ion:	202	Resp:	56331
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.4
100	9.7	0.0	29.2

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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: 0.646 ng/ul

RT: 19.37 min Scan# 4209

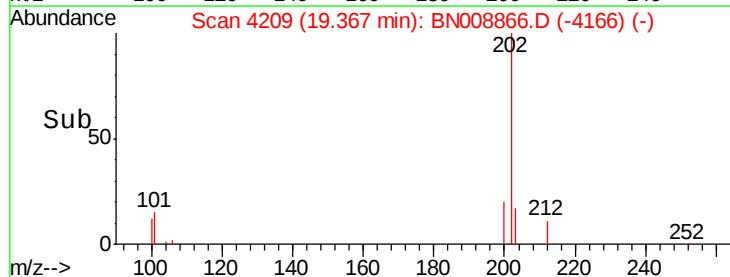
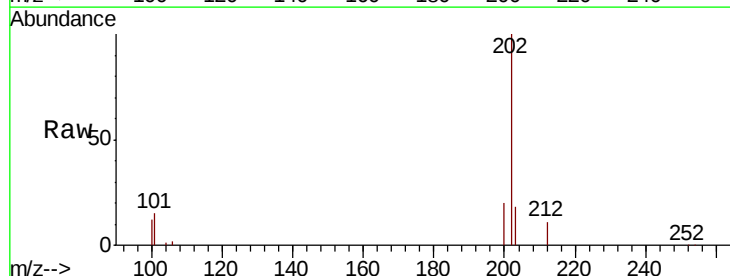
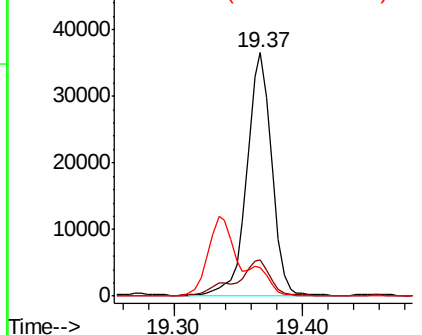
Delta R.T. -0.00 min

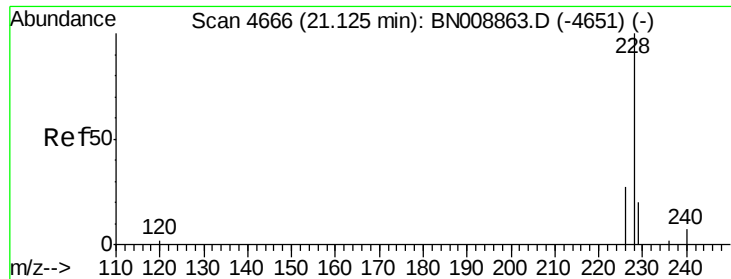
Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Tgt Ion:	202	Resp:	48523
Ion Ratio	Lower	Upper	
202	100		
101	14.8	12.2	18.4
100	11.8	9.5	14.3

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





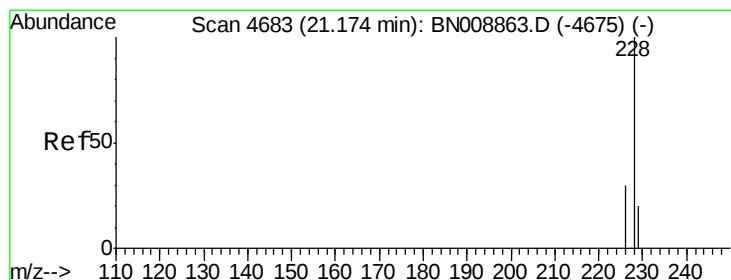
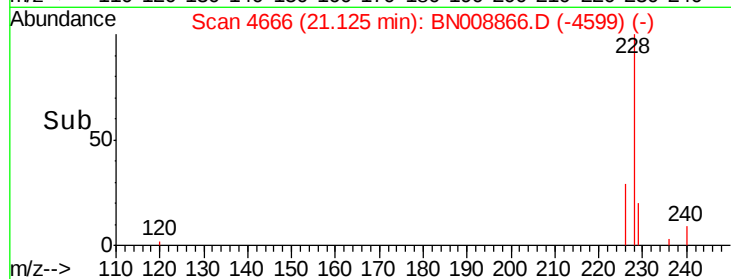
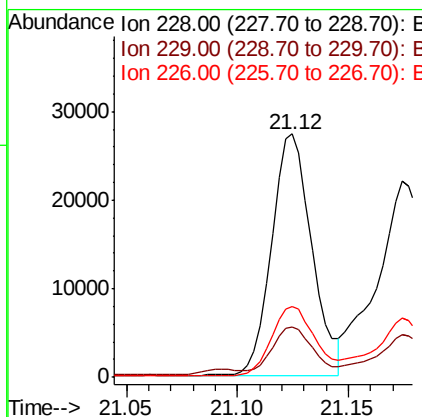
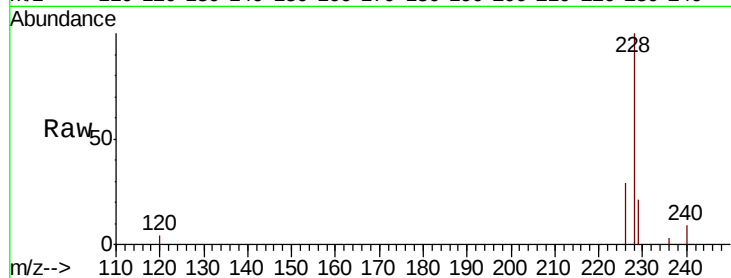
#18
Benzo(a)anthracene
Concen: 0.455 ng/ul
RT: 21.12 min Scan# 4666
Delta R.T. -0.00 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Instrument :
BNA_N
ClientSampleId :
C0BL8

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.7	23.5
226	29.1	21.5	32.3

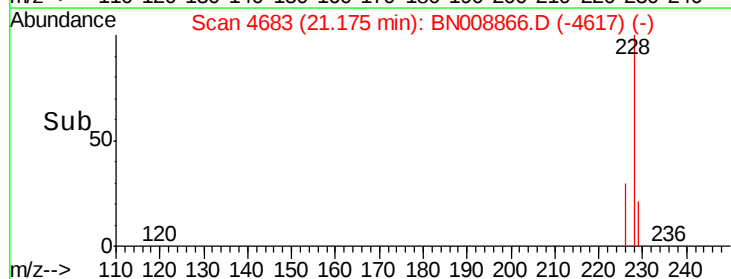
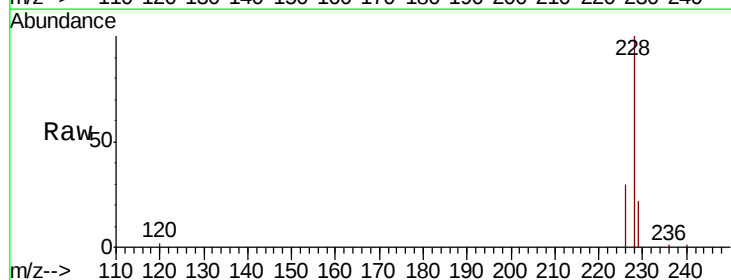
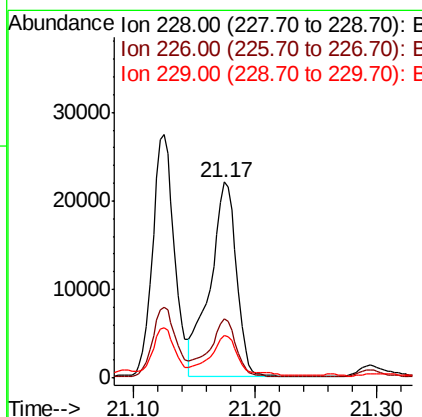
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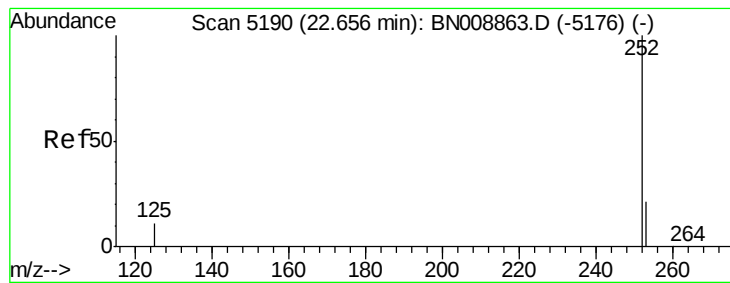
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#19
Chrysene
Concen: 0.448 ng/ul
RT: 21.17 min Scan# 4683
Delta R.T. -0.01 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	21.8	15.6	23.4





#21

Benzo(b)fluoranthene

Concen: 0.544 ng/ul m

RT: 22.66 min Scan# 5190

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

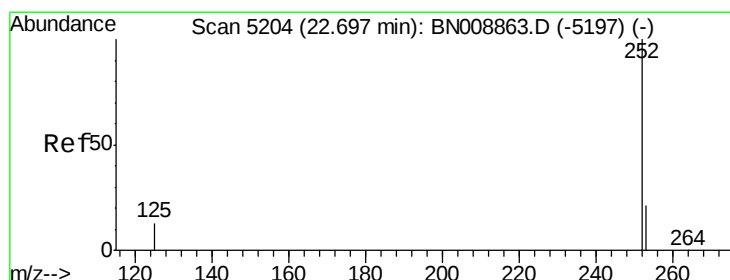
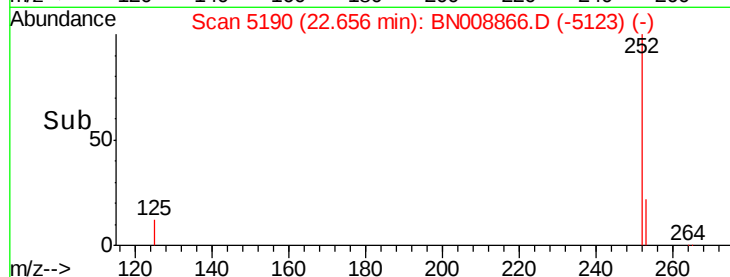
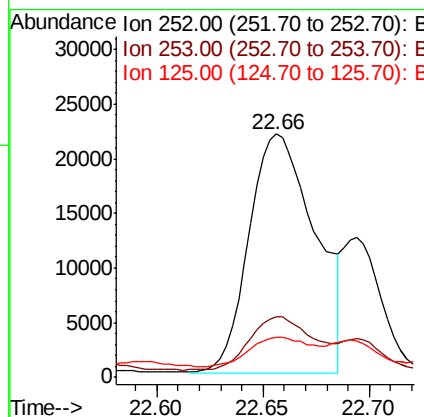
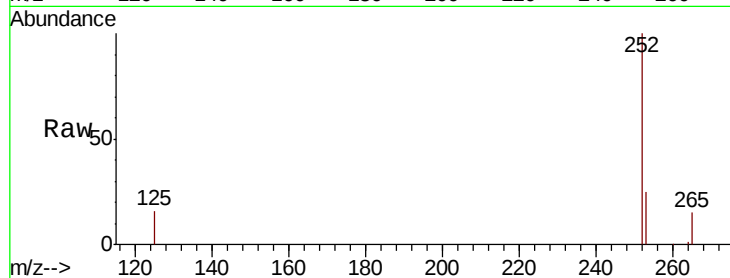
ClientSampleId :

C0BL8

Tot Ion:	252	Resp:	47600
Ion Ratio	Lower	Upper	
252	100		
253	24.6	0.0	48.6
125	16.2	0.0	31.6

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#22

Benzo(k)fluoranthene

Concen: 0.170 ng/ul m

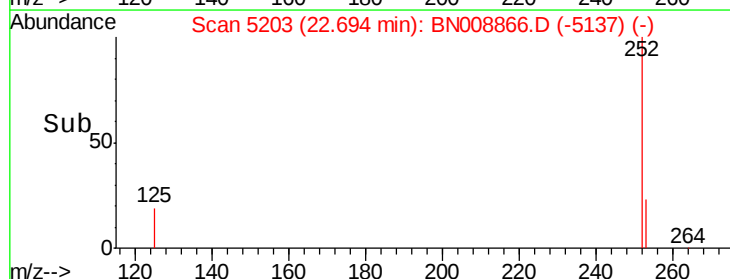
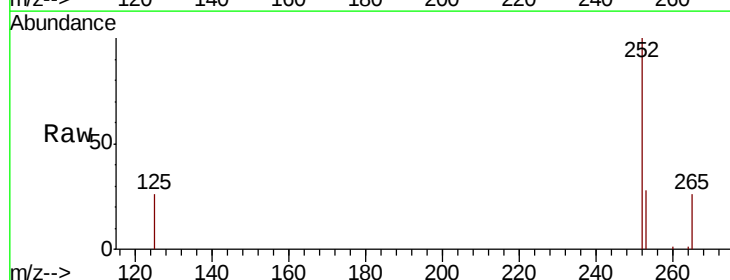
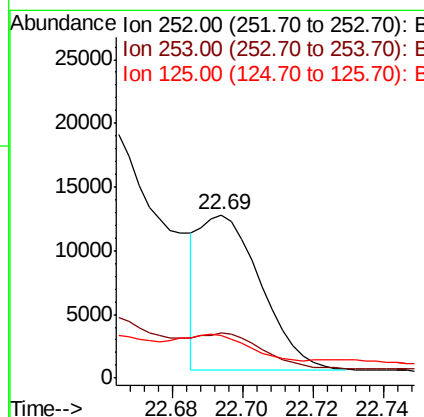
RT: 22.69 min Scan# 5203

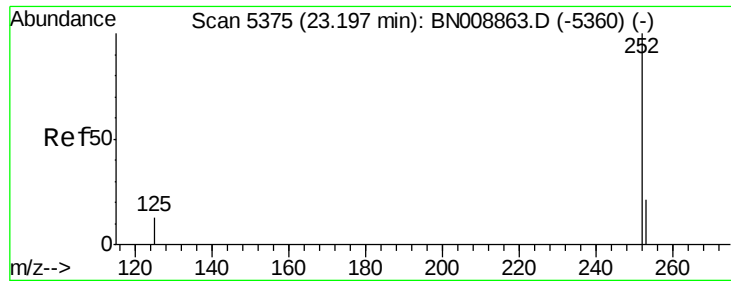
Delta R.T. -0.01 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Tgt Ion:	252	Resp:	14735
Ion Ratio	Lower	Upper	
252	100		
253	27.6	19.6	29.4
125	26.1	13.8	20.6#





#23

Benzo(a)pyrene

Concen: 0.328 ng/ul

RT: 23.20 min Scan# 5375

Delta R.T. -0.00 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Instrument :

BNA_N

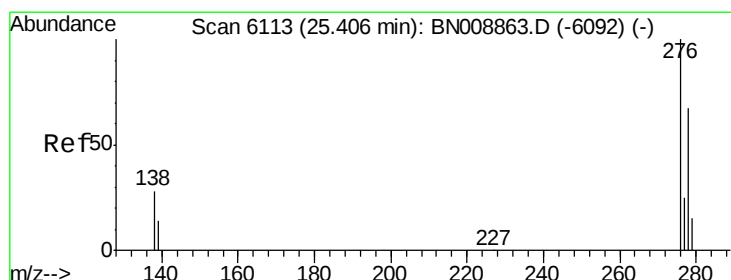
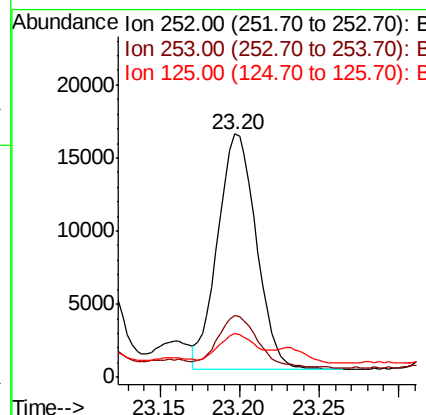
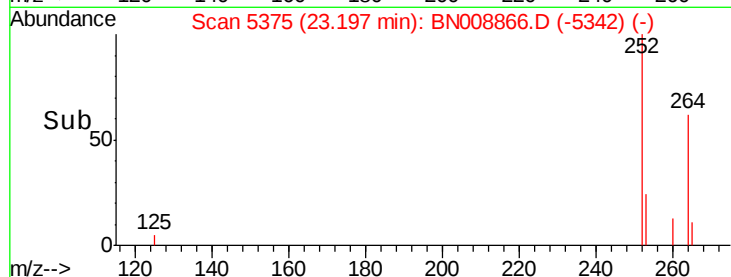
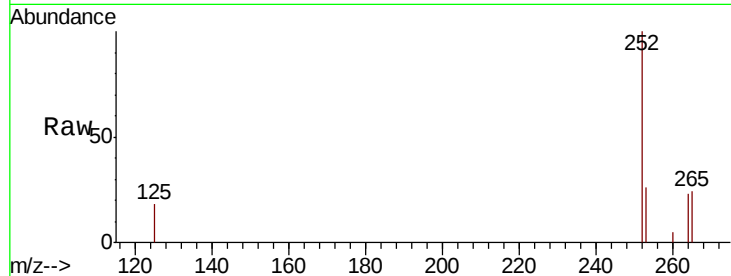
ClientSampleId :

C0BL8

Tot Ion:	252	Resp:	26984
Ion Ratio	Lower	Upper	
252	100		
253	25.6	19.9	29.9
125	17.9	14.6	22.0

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.185 ng/ul

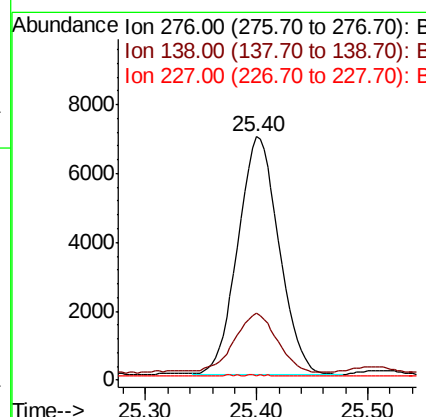
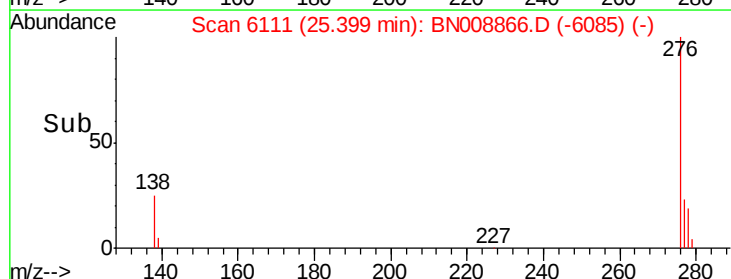
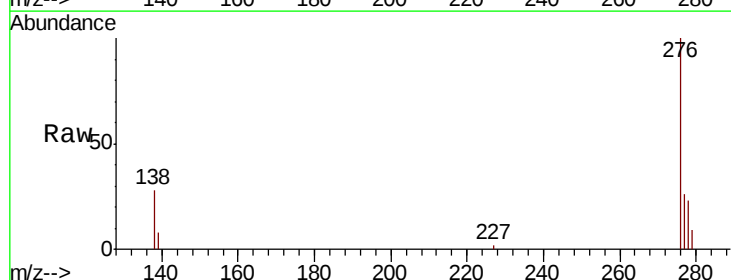
RT: 25.40 min Scan# 6111

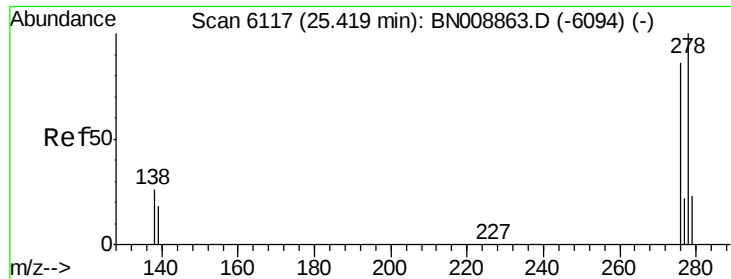
Delta R.T. -0.01 min

Lab File: BN008866.D

Acq: 06 Dec 2019 19:02

Tgt Ion:	276	Resp:	17773
Ion Ratio	Lower	Upper	
276	100		
138	25.8	23.8	35.6
227	0.2	0.2	0.2





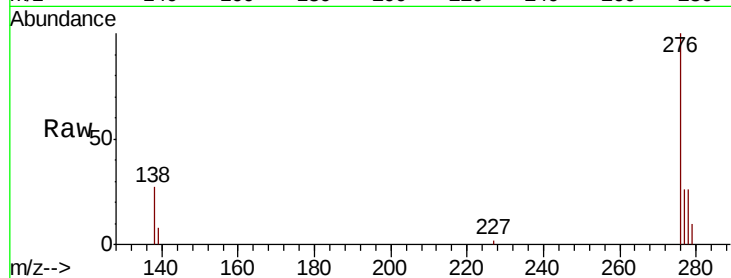
#25
Dibenzo(a,h)anthracene
Concen: 0.065 ng/u1
RT: 25.40 min Scan# 6112
Delta R.T. -0.02 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Instrument :
BNA_N
ClientSampleId :
C0BL8

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.1	17.4	26.0#
279	38.0	20.5	30.7#

Manual Integrations
APPROVED

mohammad
12/9/2019 3:07:45 PM

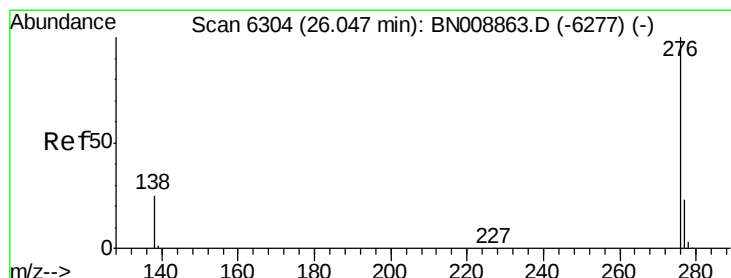
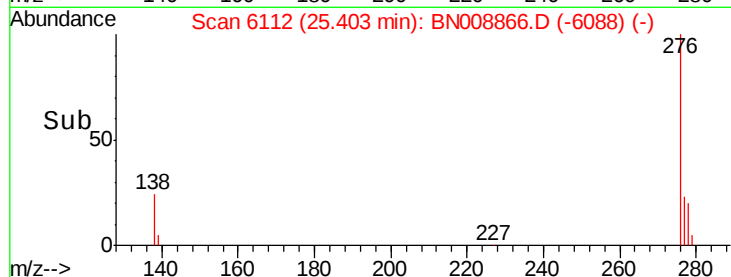
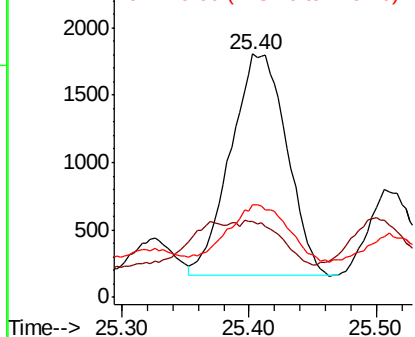


Abundance

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: 0.191 ng/u1
RT: 26.04 min Scan# 6303
Delta R.T. -0.01 min
Lab File: BN008866.D
Acq: 06 Dec 2019 19:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.9	32.9
277	25.5	19.9	29.9

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

