

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009237.D
 Acq On : 28 Dec 2019 20:29
 Operator : JU
 Sample : K6278-05DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C48DL

Manual Integrations
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mohammad
 12/29/2019 5:33:03 PM

Quant Time: Dec 29 05:29:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 04:38:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2477	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9088	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4717	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9431	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7486	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7710	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	616	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1192	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	3756	0.136	ng/ul#	95
5) 2-Methylnaphthalene	11.93	142	2252	0.108	ng/ul	98
7) Acenaphthylene	13.86	152	1931	0.078	ng/ul#	65
12) Phenanthrene	16.93	178	10115	0.308	ng/ul	99
13) Anthracene	17.02	178	1978	0.067	ng/ul#	90
15) Fluoranthene	18.95	202	21033	0.561	ng/ul	99
17) Pyrene	19.32	202	18594	0.487	ng/ul	99
18) Benzo(a)anthracene	21.07	228	9327	0.281	ng/ul	95
19) Chrysene	21.12	228	11965	0.358	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	17510m	0.486	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	5605m	0.154	ng/ul	
23) Benzo(a)pyrene	23.12	252	9961	0.316	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.30	276	8708	0.253	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	2038	0.075	ng/ul#	58
26) Benzo(g,h,i)perylene	25.94	276	8807	0.304	ng/ul	96

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

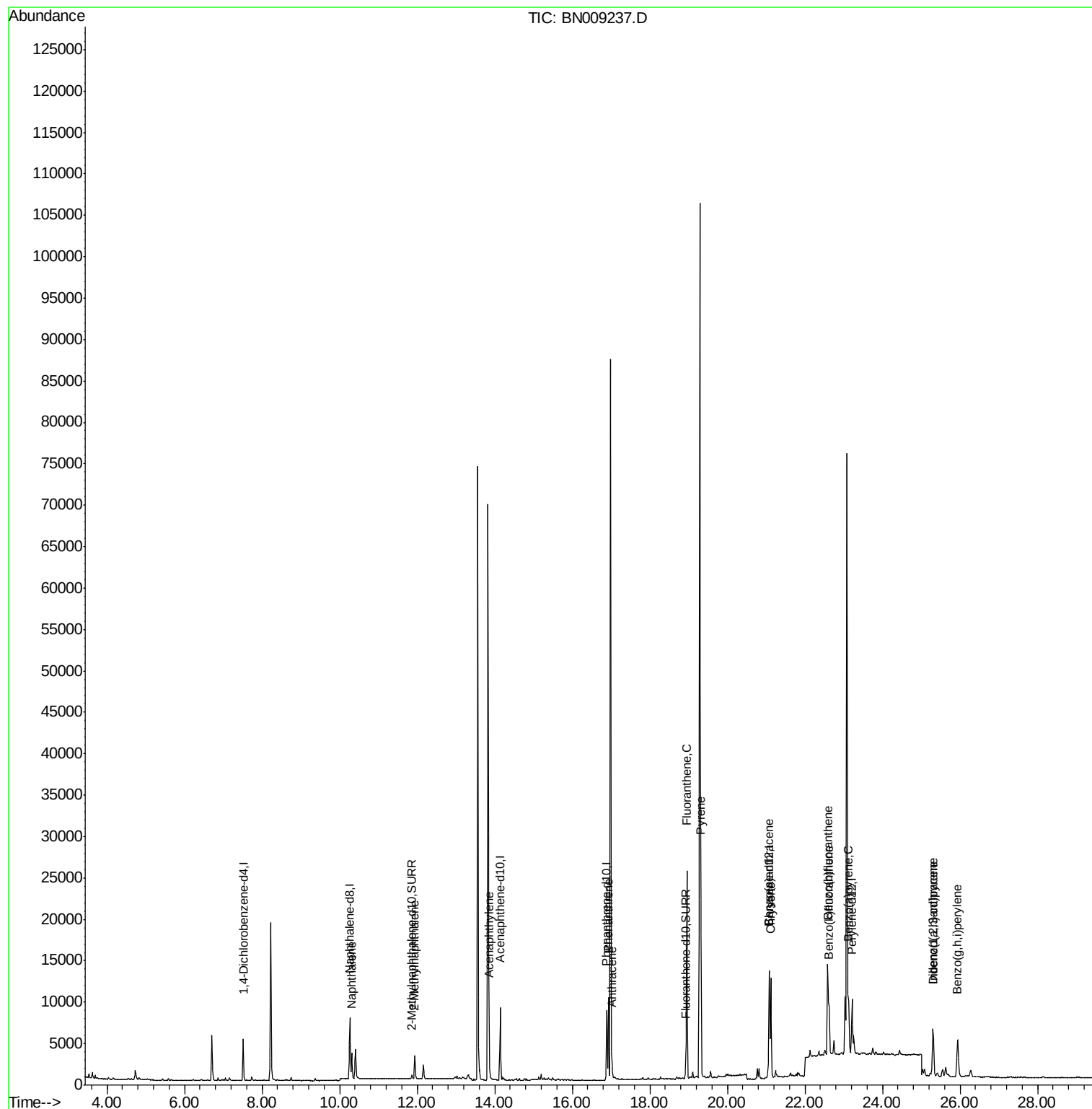
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
Data File : BN009237.D
Acq On : 28 Dec 2019 20:29
Operator : JU
Sample : K6278-05DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

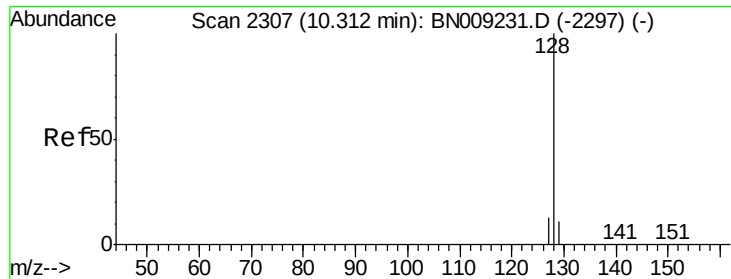
Instrument :
BNA_N
ClientSampleId :
C0C48DL

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Quant Time: Dec 29 05:29:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Dec 29 04:38:59 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.136 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

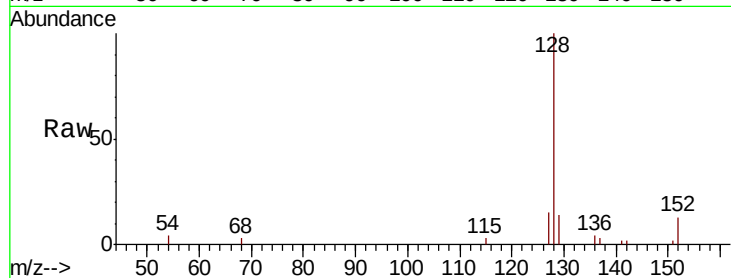
ClientSampleId :

C0C48DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.0	13.4#
127	15.0	10.9	16.3

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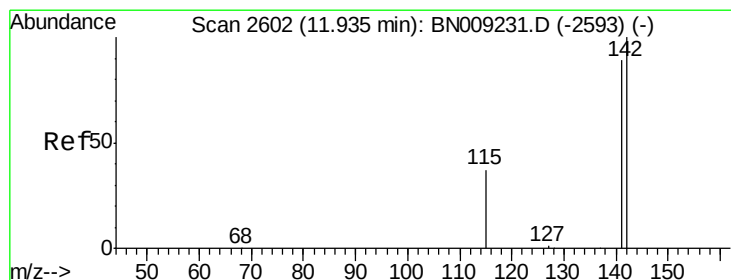
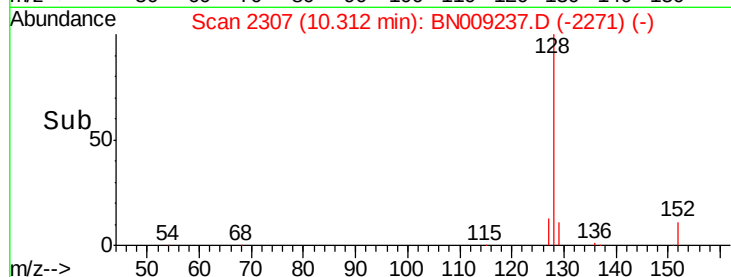
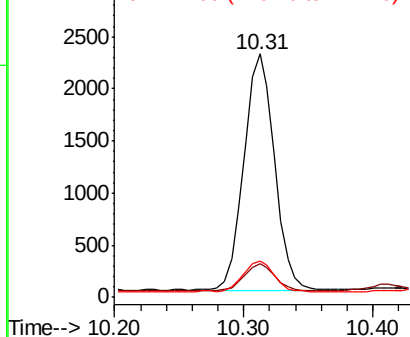


Abundance

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: 0.108 ng/ul

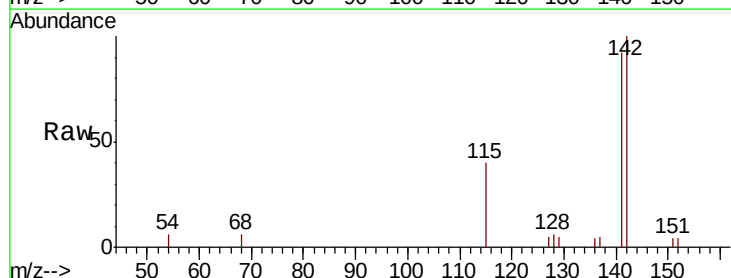
RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

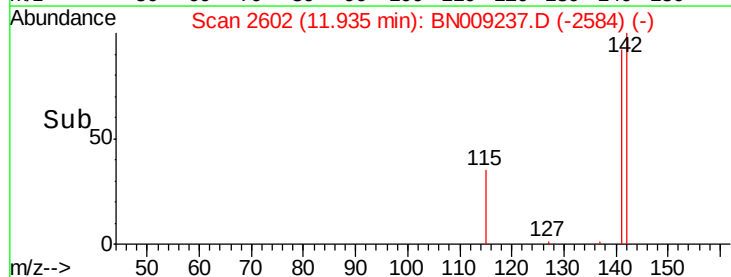
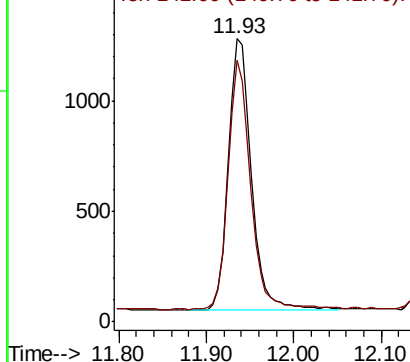
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.2	105.4

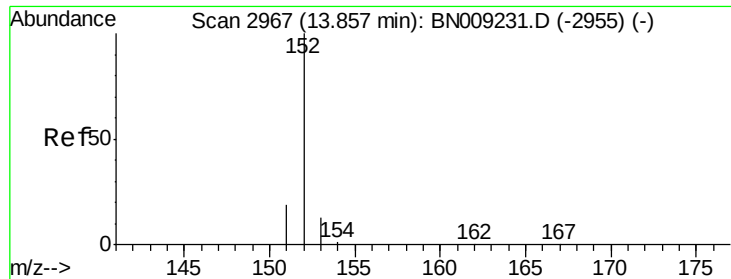


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.078 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

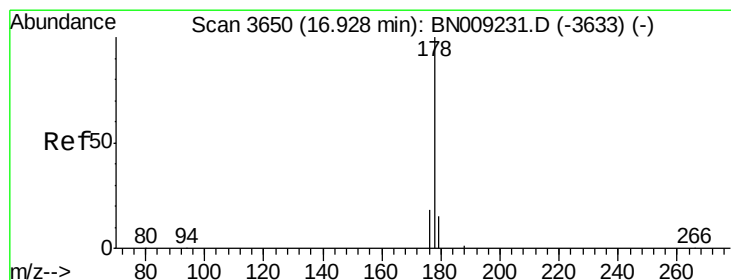
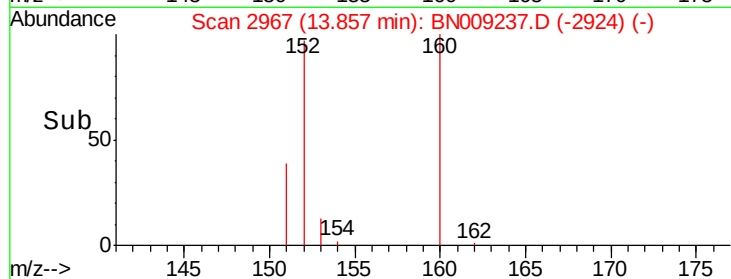
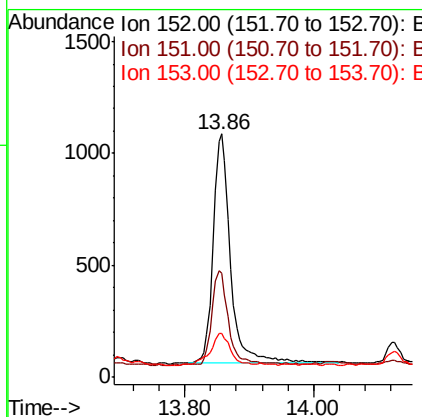
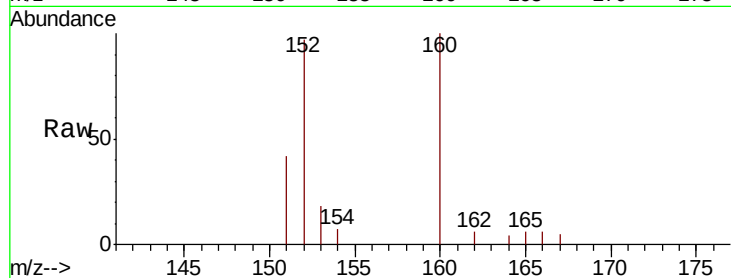
ClientSampleId :

C0C48DL

Tot Ion:	152	Resp:	1931
Ion Ratio	Lower	Upper	
152	100		
151	42.8	15.7	23.5#
153	18.0	10.8	16.2#

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#12

Phenanthrene

Concen: 0.308 ng/ul

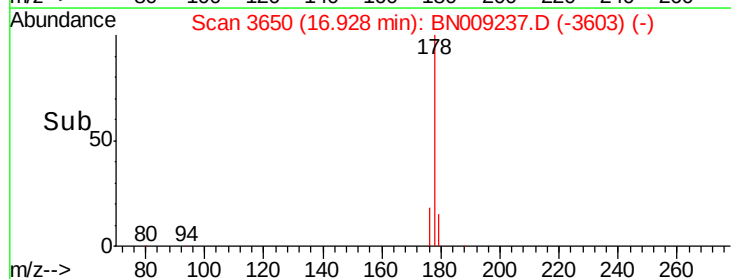
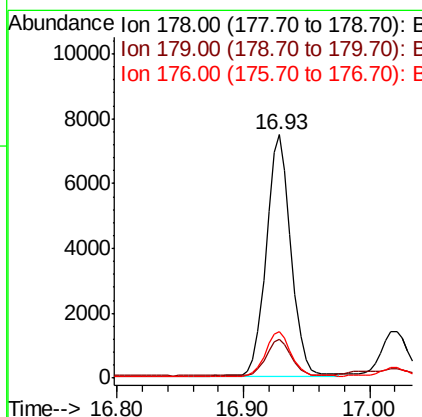
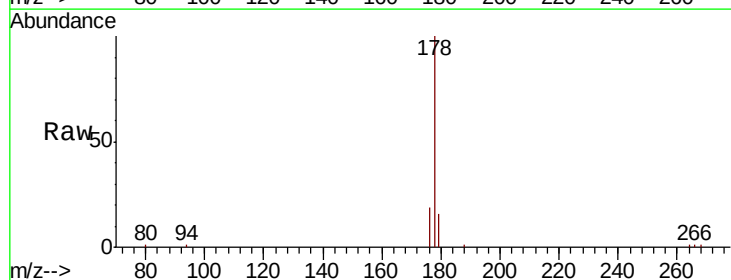
RT: 16.93 min Scan# 3650

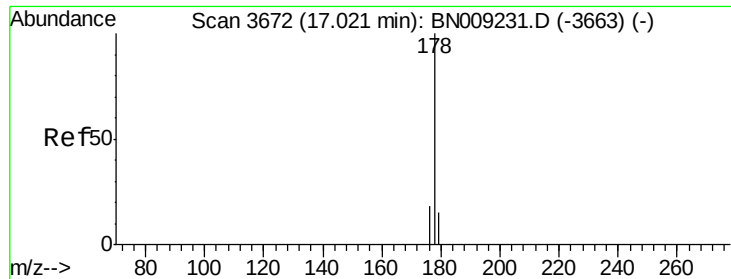
Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Tgt Ion:	178	Resp:	10115
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	19.1	15.1	22.7





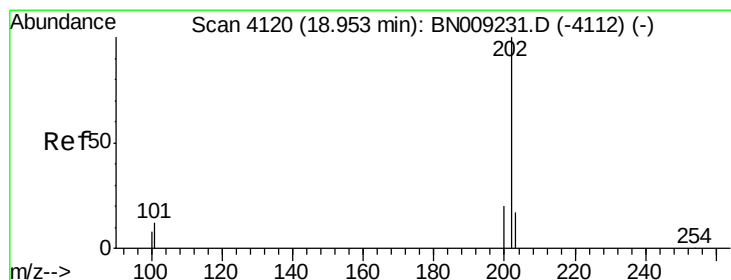
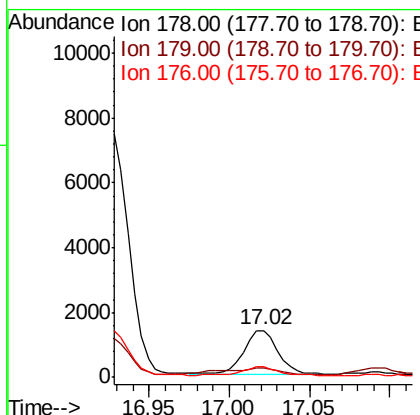
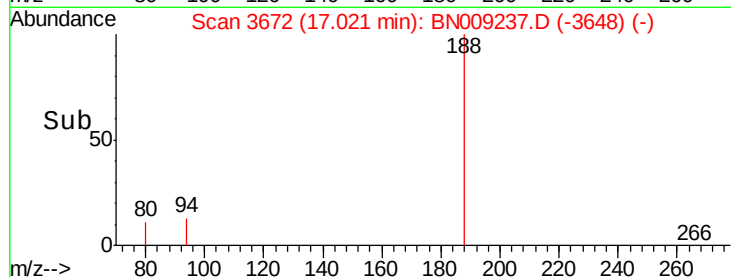
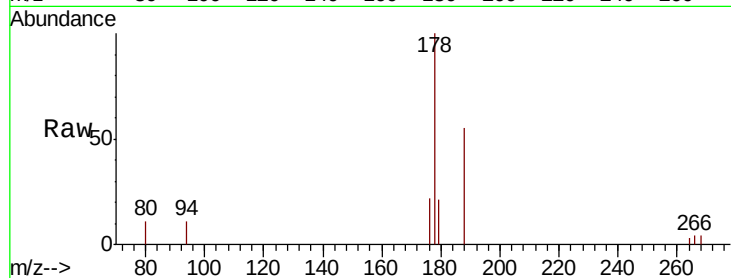
#13
 Anthracene
 Concen: 0.067 ng/ul
 RT: 17.02 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: BN009237.D
 Acq: 28 Dec 2019 20:29

Instrument :
 BNA_N
 ClientSampleId :
 C0C48DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	21.4	12.5	18.7#
176	22.0	14.9	22.3

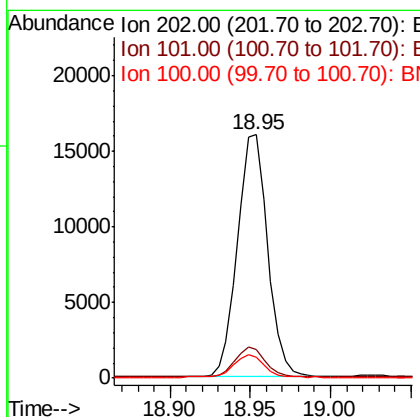
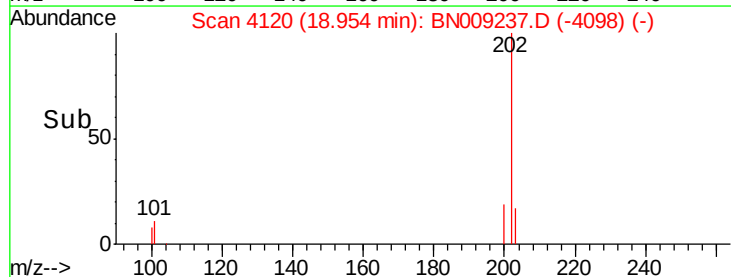
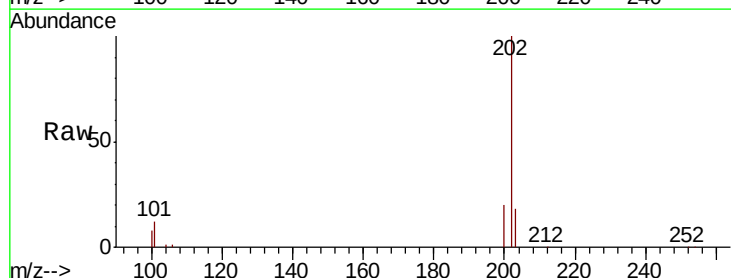
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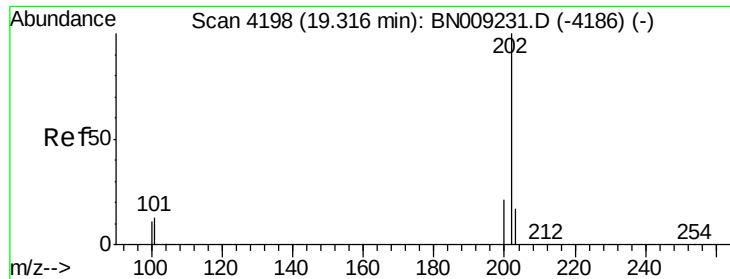
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#15
 Fluoranthene
 Concen: 0.561 ng/ul
 RT: 18.95 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: BN009237.D
 Acq: 28 Dec 2019 20:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
100	8.4	0.0	28.9





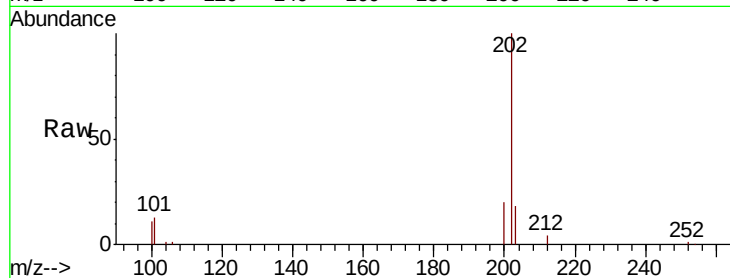
#17
 Pyrene
 Concen: 0.487 ng/ul
 RT: 19.32 min Scan# 4198
 Delta R.T. 0.00 min
 Lab File: BN009237.D
 Acq: 28 Dec 2019 20:29

Instrument :
 BNA_N
 ClientSampleId :
 C0C48DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.5	10.9	16.3
100	10.5	9.0	13.6

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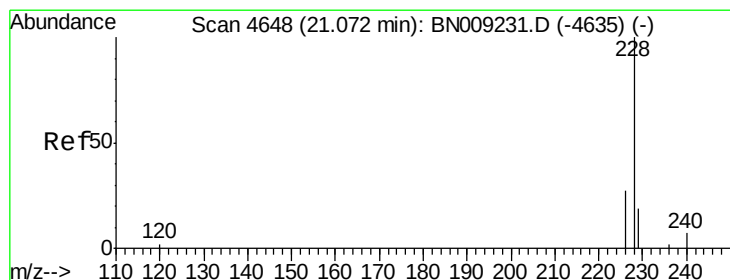
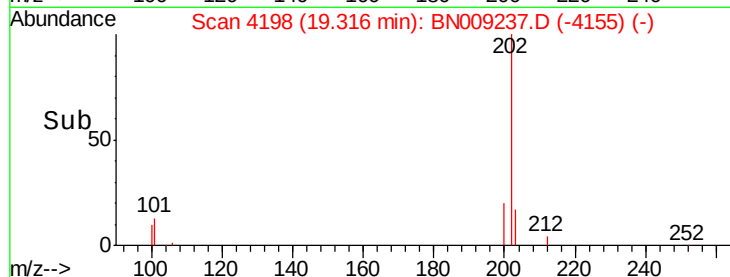
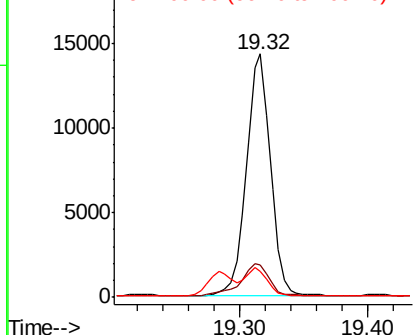


Abundance

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



#18
 Benzo(a)anthracene
 Concen: 0.281 ng/ul
 RT: 21.07 min Scan# 4648
 Delta R.T. 0.00 min
 Lab File: BN009237.D
 Acq: 28 Dec 2019 20:29

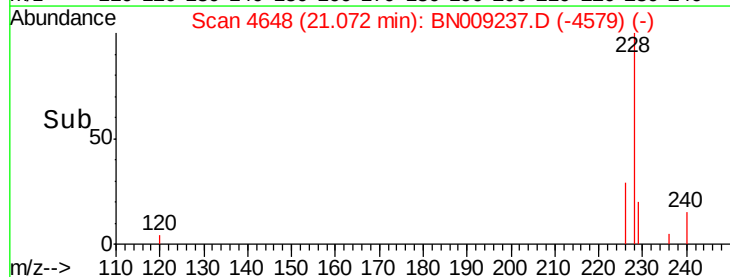
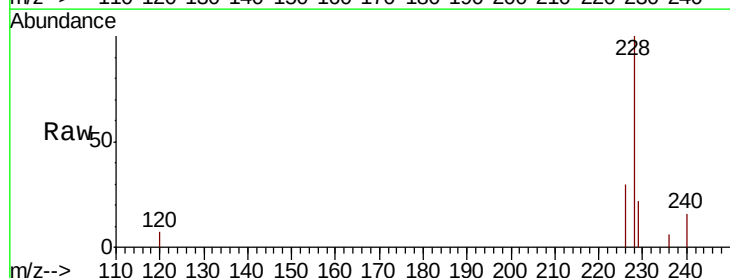
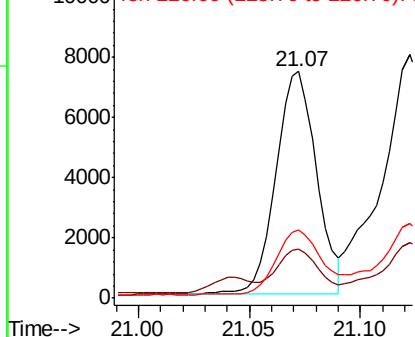
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.7	15.5	23.3
226	30.1	21.7	32.5

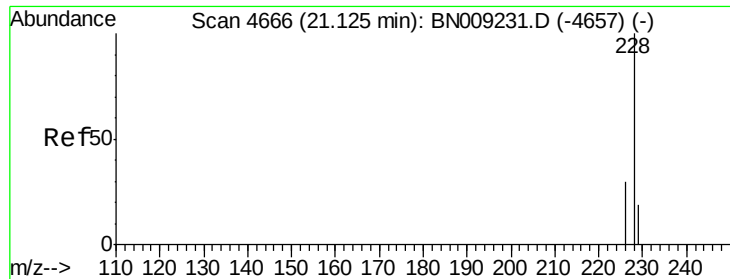
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.358 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

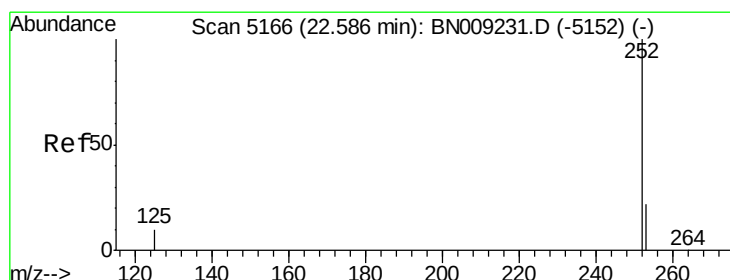
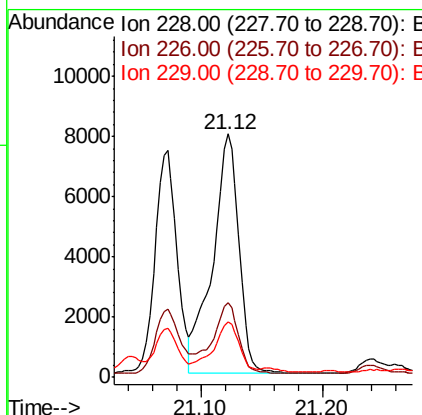
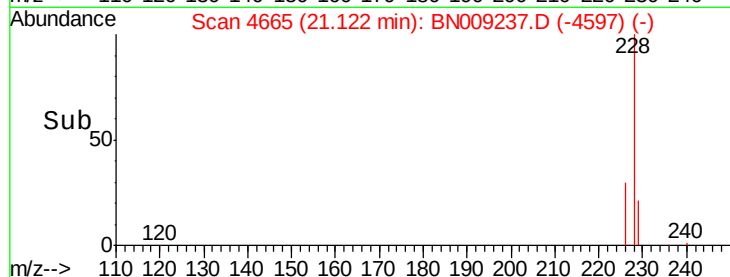
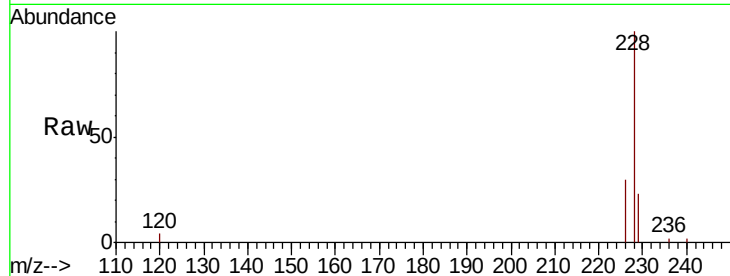
ClientSampleId :

C0C48DL

Tot Ion:	228	Resp:	11965
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	22.7	15.4	23.0

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#21

Benzo(b)fluoranthene

Concen: 0.486 ng/ul m

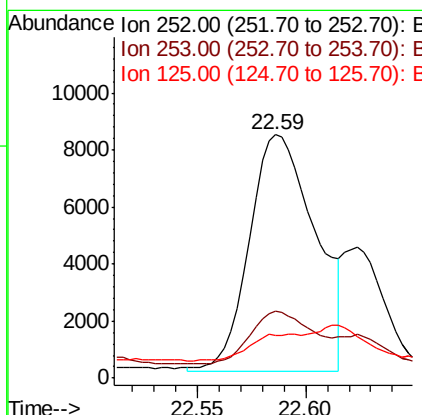
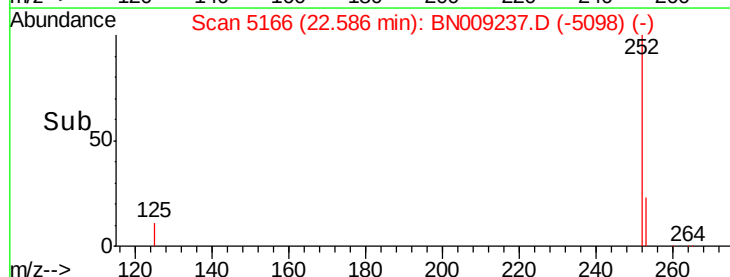
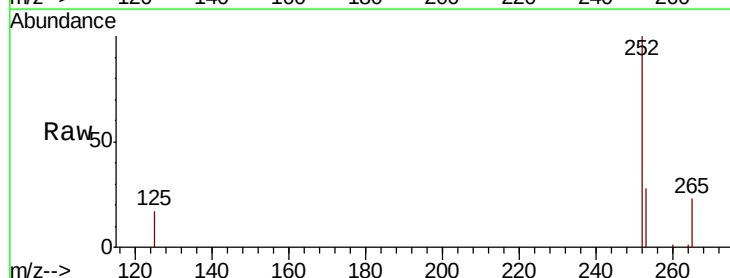
RT: 22.59 min Scan# 5166

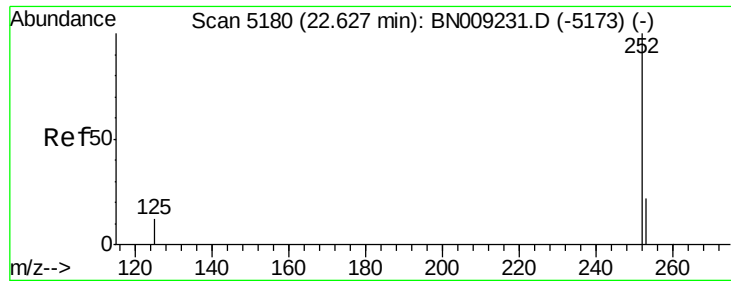
Delta R.T. 0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Tgt Ion:	252	Resp:	17510
Ion	Ratio	Lower	Upper
252	100		
253	27.5	0.0	48.2
125	17.3	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 0.154 ng/ul m

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Instrument :

BNA_N

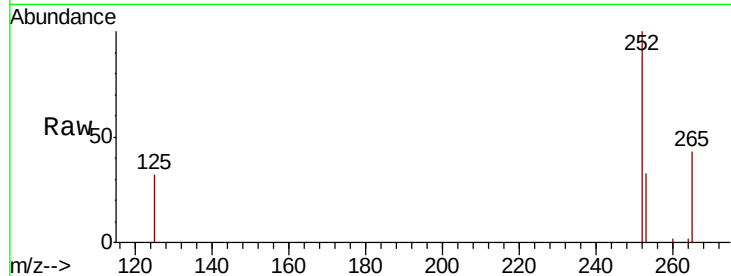
ClientSampleId :

C0C48DL

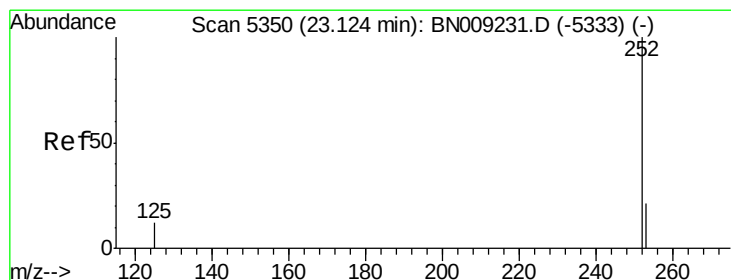
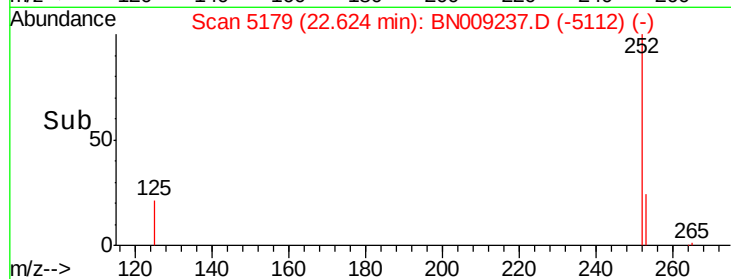
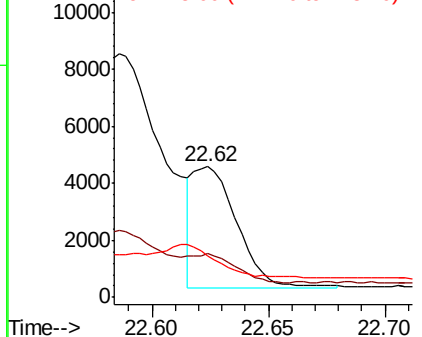
Tot Ion:	252	Resp:	5605
Ion Ratio	Lower	Upper	
252	100		
253	33.1	19.4	29.0#
125	32.1	12.4	18.6#

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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: 0.316 ng/ul

RT: 23.12 min Scan# 5349

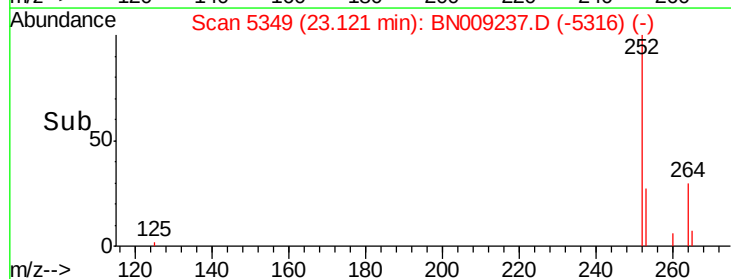
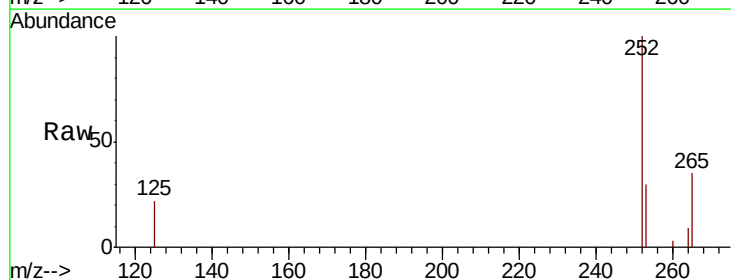
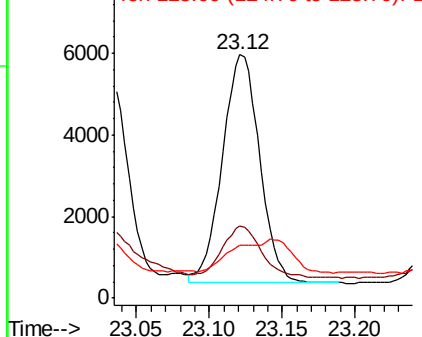
Delta R.T. -0.00 min

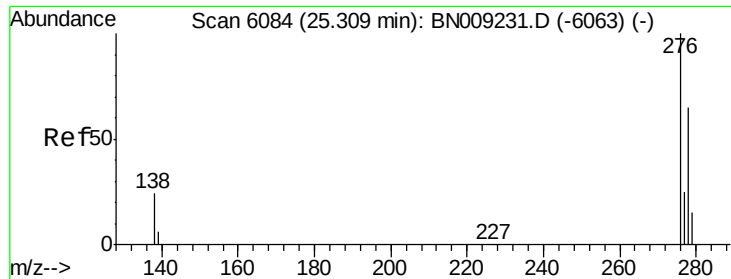
Lab File: BN009237.D

Acq: 28 Dec 2019 20:29

Tgt Ion:	252	Resp:	9961
Ion Ratio	Lower	Upper	
252	100		
253	29.8	20.2	30.4
125	21.9	13.2	19.8#

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





#24

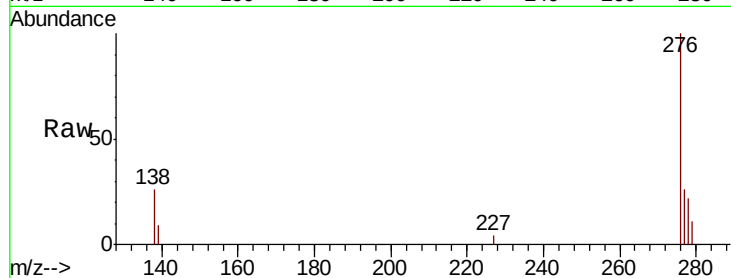
Indeno(1,2,3-cd)pyrene
Concen: 0.253 ng/ul
RT: 25.30 min Scan# 6082
Delta R.T. -0.01 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

Instrument :
BNA_N
ClientSampleId :
C0C48DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.4	33.6#
227	0.3	0.2	0.4

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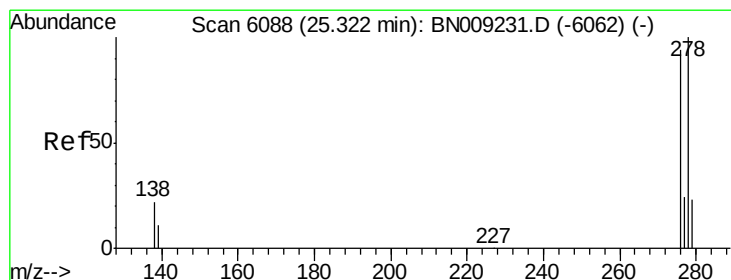
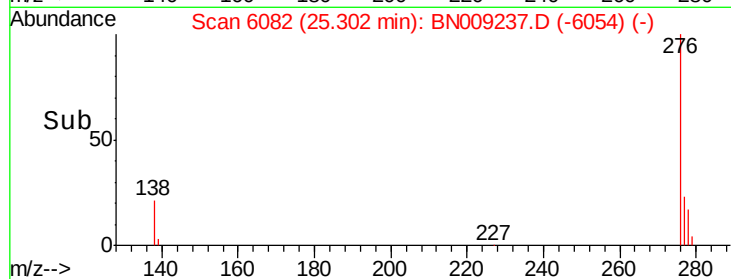
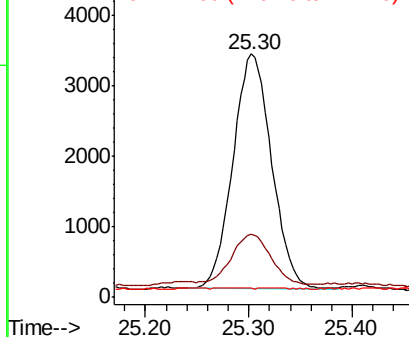


Abundance

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: 0.075 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009237.D
Acq: 28 Dec 2019 20:29

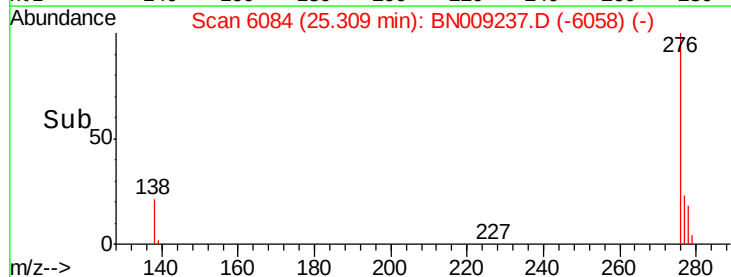
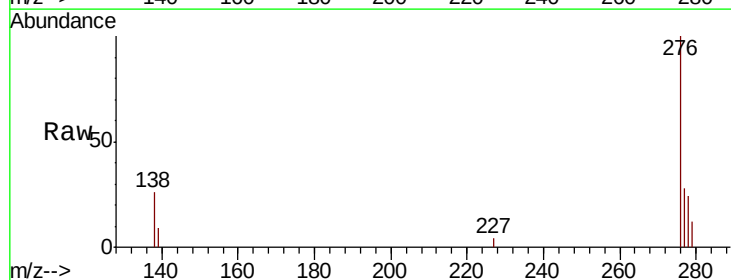
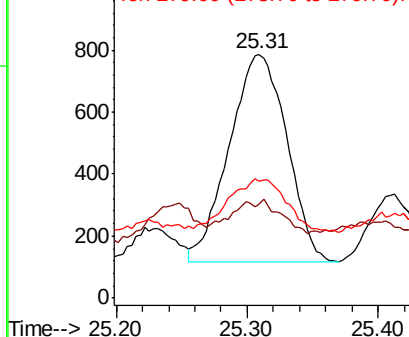
Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.5	16.2	24.2#
279	47.8	20.3	30.5#

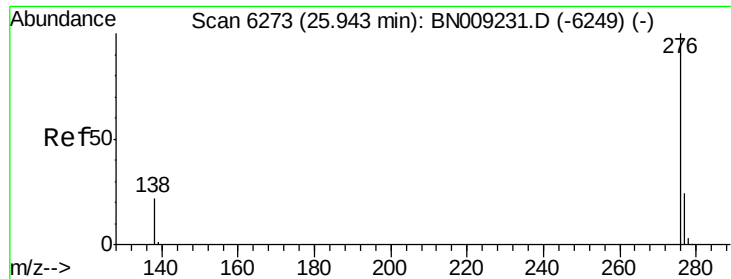
Abundance

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





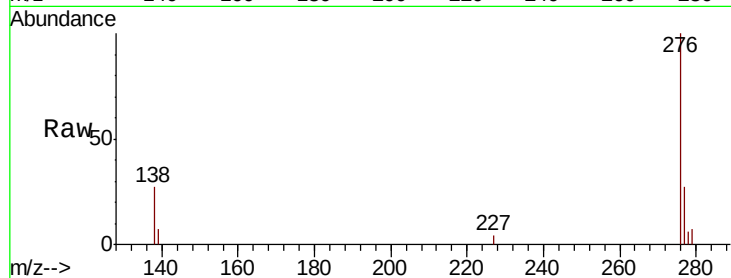
#26
 Benzo(a,h,i)perylene
 Concen: 0.304 ng/ul
 RT: 25.94 min Scan# 6271
 Delta R.T. -0.01 min
 Lab File: BN009237.D
 Acq: 28 Dec 2019 20:29

Instrument :
 BNA_N
 ClientSampleId :
 C0C48DL

Tot Ion:	276	Resp:	8807
Ion Ratio	Lower	Upper	
276	100		
138	27.0	20.6	30.8
277	27.1	19.6	29.4

Manual Integrations
 APPROVED

mohammad
 12/29/2019 5:33:03 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

