

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008938.D
 Acq On : 12 Dec 2019 10:43
 Operator : JU
 Sample : K6088-03DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BM9DL

Manual Integrations
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mohammad
 12/13/2019 8:07:38 AM

Quant Time: Dec 12 11:36:37 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 : Thu Dec 12 00:49:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2769	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11695	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7642	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17700	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	15304	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	16240	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	757	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	2295	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.36	128	8715	0.247	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	6395	0.260	ng/ul	99
7) Acenaphthylene	13.90	152	3282	0.078	ng/ul#	92
8) Acenaphthene	14.24	153	2821	0.090	ng/ul	98
9) Fluorene	15.24	166	4474	0.122	ng/ul#	96
12) Phenanthrene	16.97	178	32456	0.544	ng/ul	100
13) Anthracene	17.06	178	10243	0.182	ng/ul	97
15) Fluoranthene	18.99	202	59920	0.817	ng/ul	99
17) Pyrene	19.35	202	52092	0.848	ng/ul	99
18) Benzo(a)anthracene	21.12	228	32176	0.523	ng/ul	96
19) Chrysene	21.17	228	36903	0.610	ng/ul	96
21) Benzo(b)fluoranthene	22.64	252	36839m	0.550	ng/ul	
22) Benzo(k)fluoranthene	22.68	252	13894m	0.209	ng/ul	
23) Benzo(a)pyrene	23.18	252	21301	0.339	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.38	276	12287	0.167	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.38	278	3459	0.058	ng/ul#	69
26) Benzo(a,h,i)perylene	26.02	276	11177	0.182	ng/ul	98

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

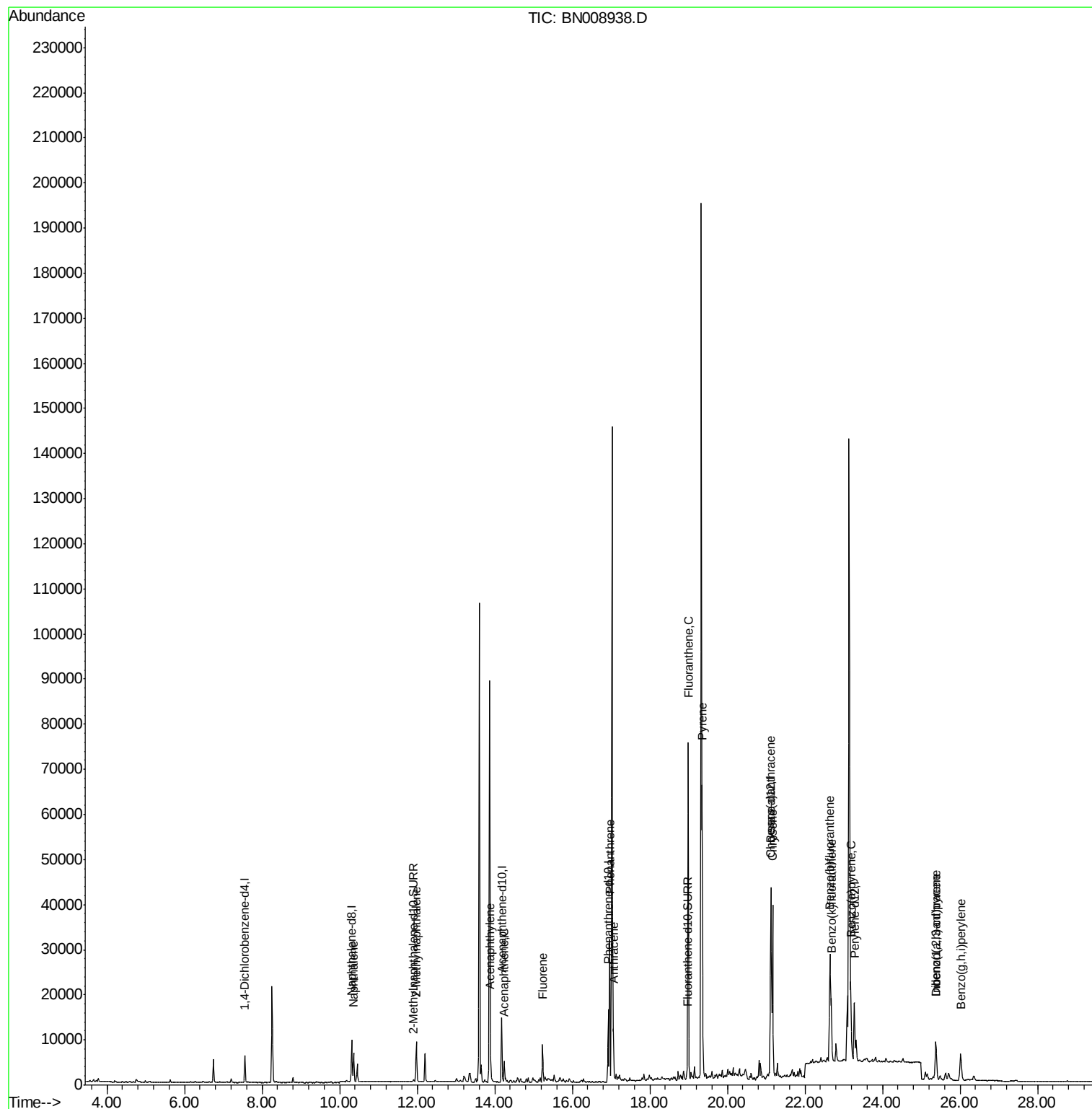
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
Data File : BN008938.D
Acq On : 12 Dec 2019 10:43
Operator : JU
Sample : K6088-03DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

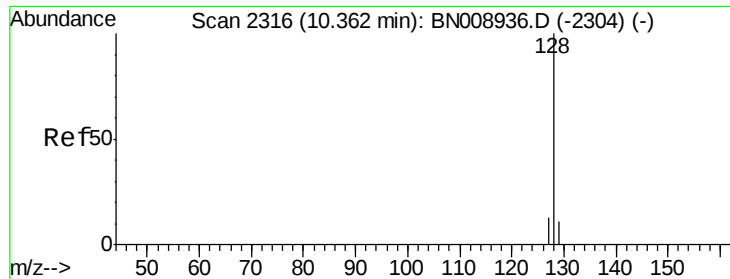
Instrument :
BNA_N
ClientSampleId :
C0BM9DL

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Quant Time: Dec 12 11:36:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.247 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

ClientSampleId :

C0BM9DL

Tot Ion:128 Resp: 8715

Ion Ratio Lower Upper

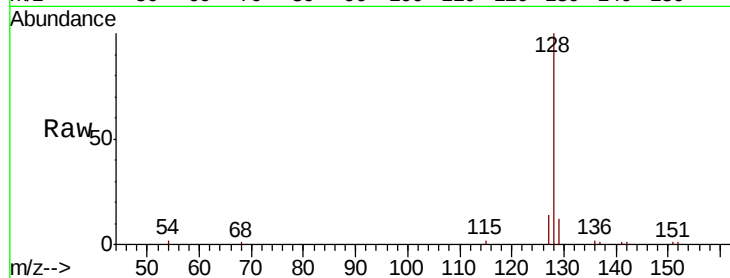
128 100

129 11.8 9.1 13.7

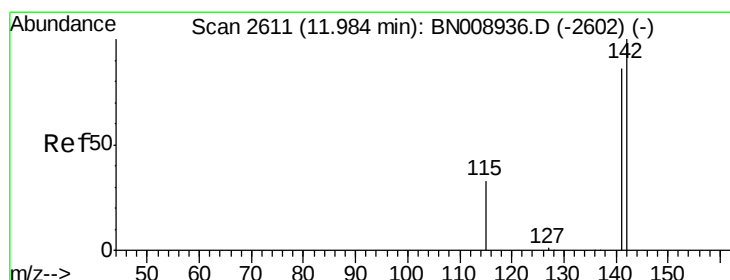
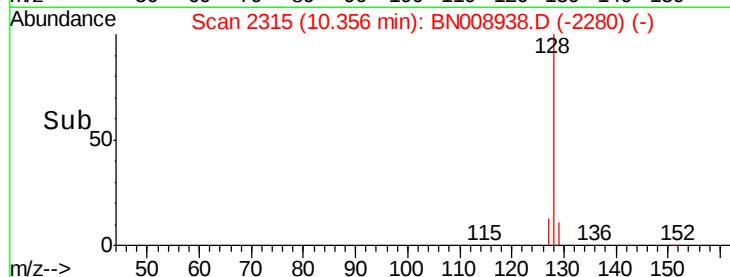
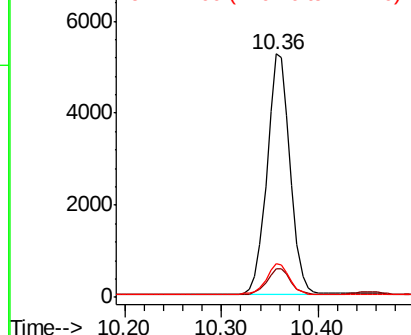
127 13.8 10.7 16.1

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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: 0.260 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008938.D

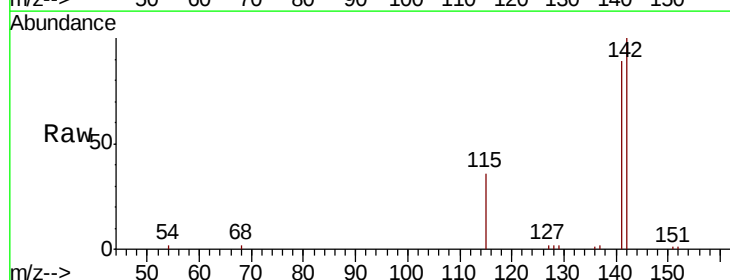
Acq: 12 Dec 2019 10:43

Tgt Ion:142 Resp: 6395

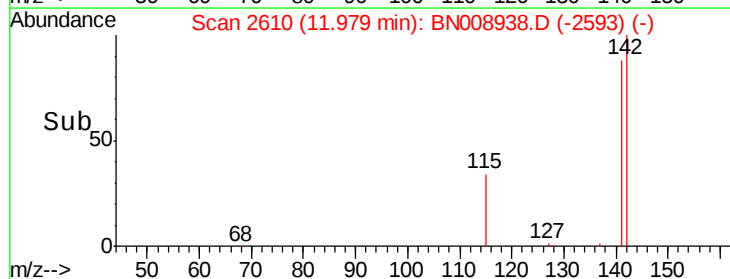
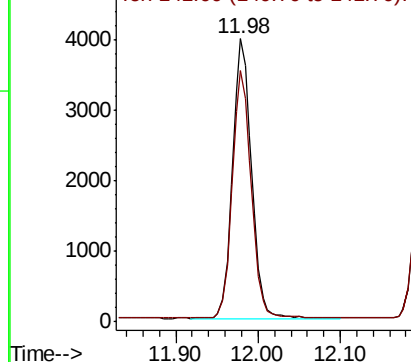
Ion Ratio Lower Upper

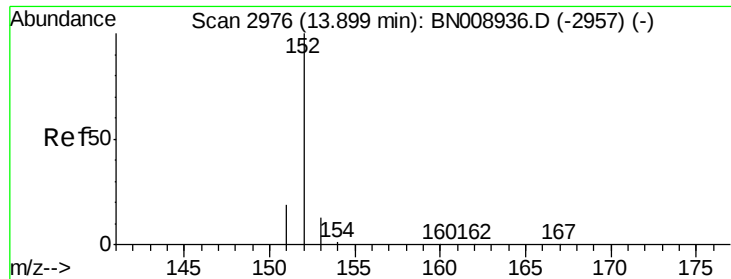
142 100

141 88.4 70.1 105.1



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: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

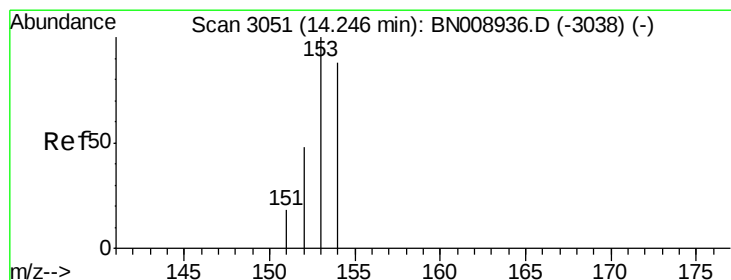
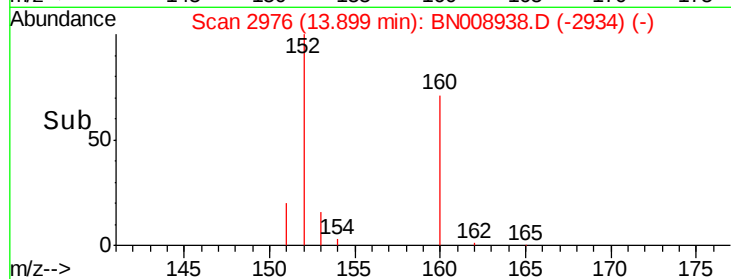
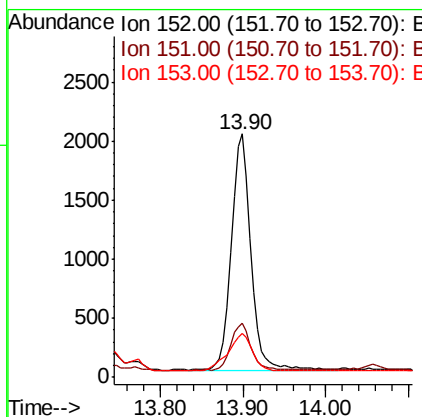
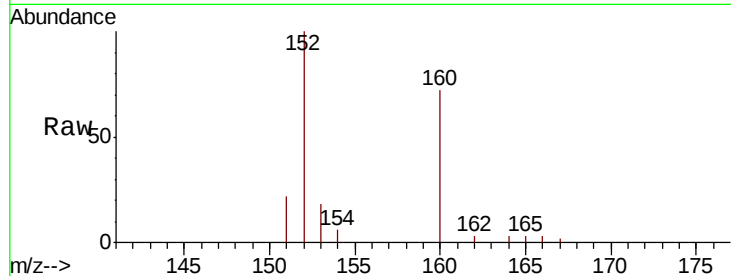
ClientSampled :

C0BM9DL

Tot Ion:	152	Resp:	3282
Ion Ratio	Lower	Upper	
152	100		
151	22.4	15.8	23.6
153	18.0	10.6	15.8

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#8

Acenaphthene

Concen: 0.090 ng/ul

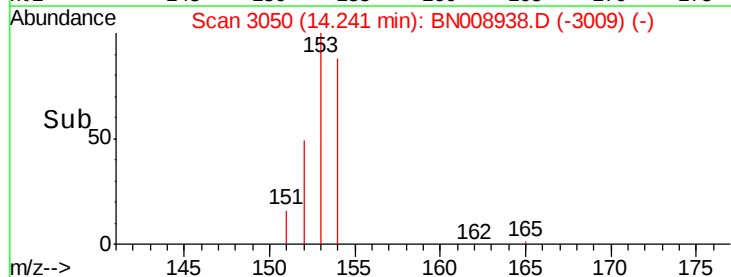
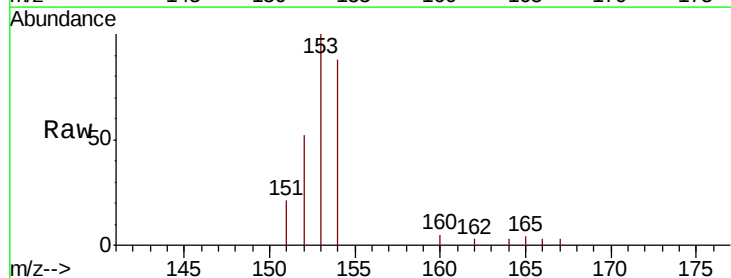
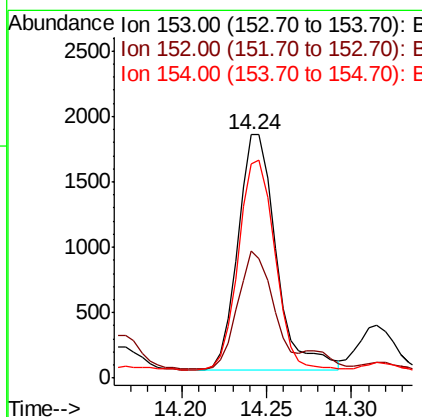
RT: 14.24 min Scan# 3050

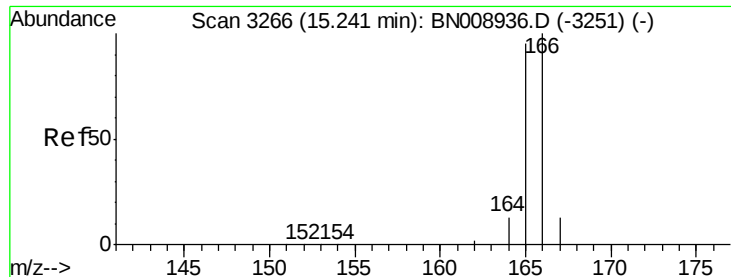
Delta R.T. -0.01 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Tgt Ion:	153	Resp:	2821
Ion Ratio	Lower	Upper	
153	100		
152	52.1	38.6	58.0
154	87.9	70.6	105.8





#9

Fluorene

Concen: 0.122 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

ClientSampleId :

C0BM9DL

Tot Ion:166 Resp: 4474

Ion Ratio Lower Upper

166 100

165 99.1 77.7 116.5

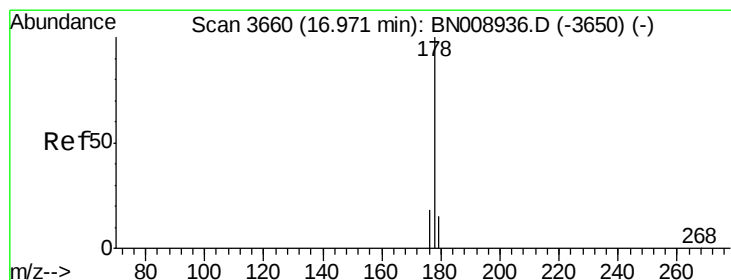
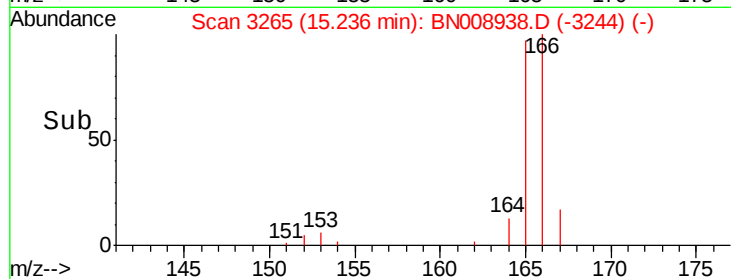
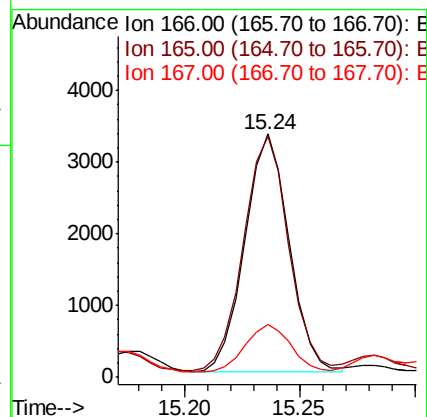
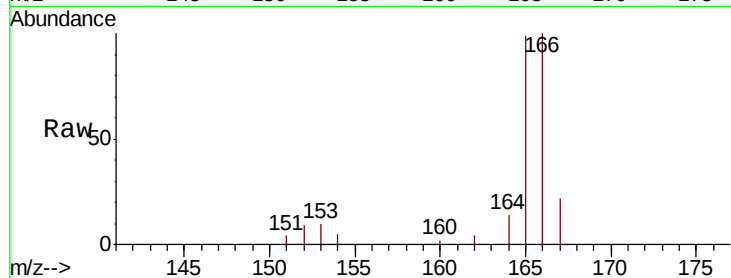
167 21.6 11.1 16.7#

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#12

Phenanthrene

Concen: 0.544 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

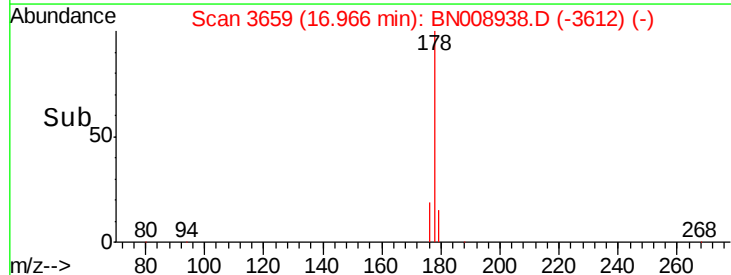
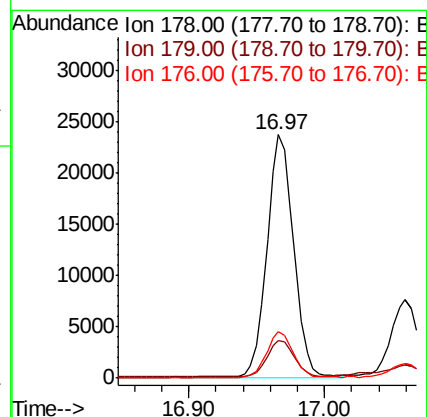
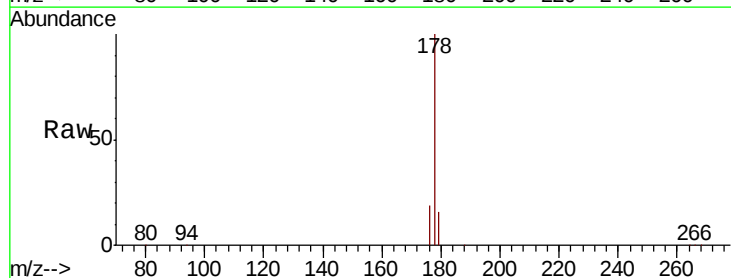
Tgt Ion:178 Resp: 32456

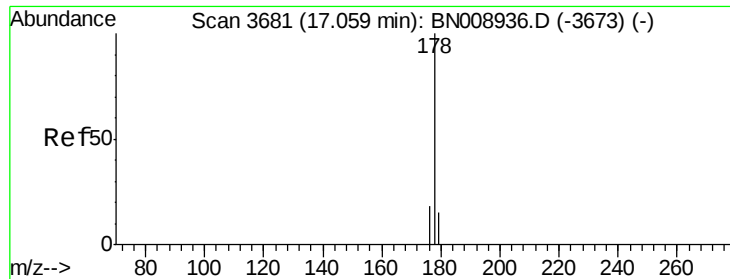
Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 19.0 15.3 22.9





#13

Anthracene

Concen: 0.182 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

ClientSampleId :

C0BM9DL

Tot Ion:178 Resp: 10243

Ion Ratio Lower Upper

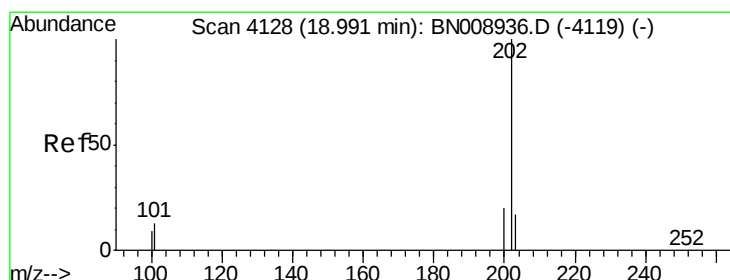
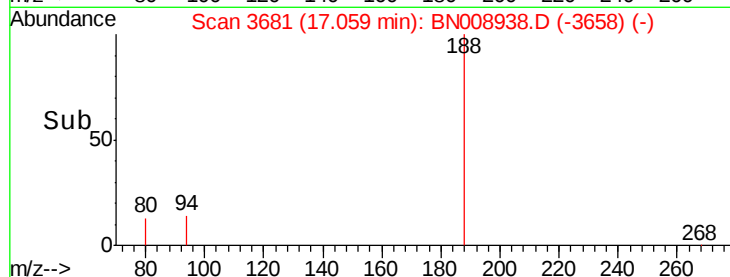
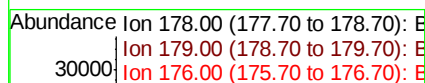
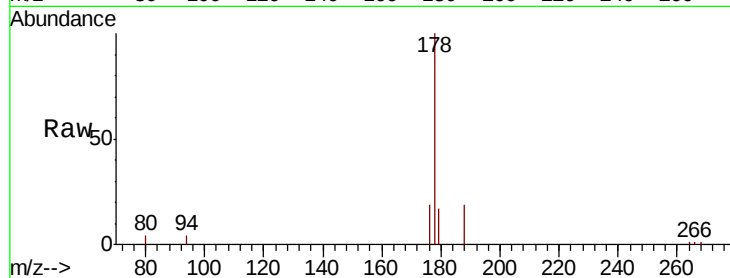
178 100

179 17.4 12.2 18.4

176 18.9 14.7 22.1

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#15

Fluoranthene

Concen: 0.817 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

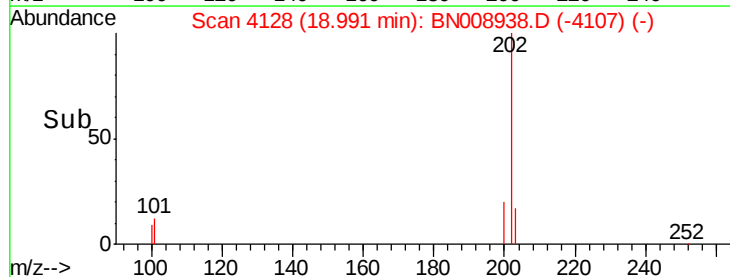
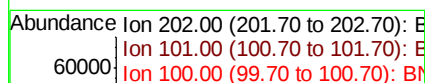
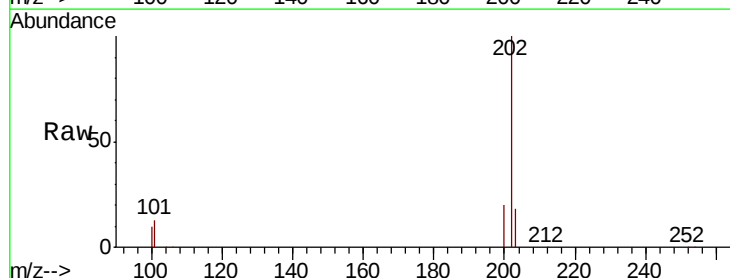
Tgt Ion:202 Resp: 59920

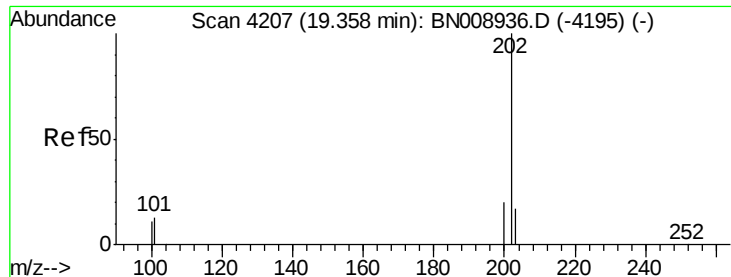
Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.4

100 9.5 0.0 29.2





#17

Pvrene

Concen: 0.848 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

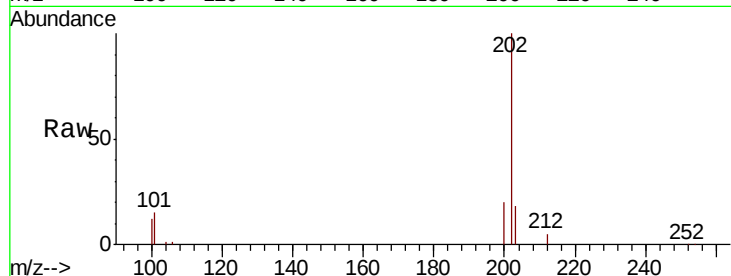
ClientSampleId :

C0BM9DL

Tot Ion:	202	Resp:	52092
Ion Ratio	Lower	Upper	
202	100		
101	14.7	12.2	18.4
100	12.0	9.5	14.3

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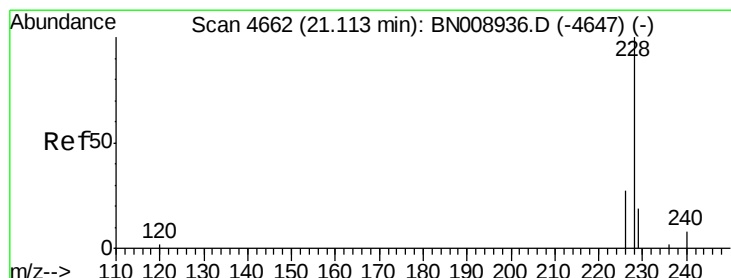
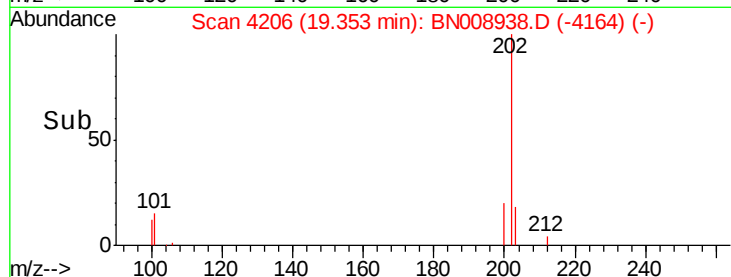
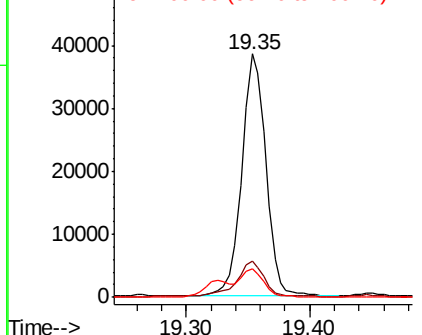


Abundance

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: 0.523 ng/ul

RT: 21.12 min Scan# 4663

Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

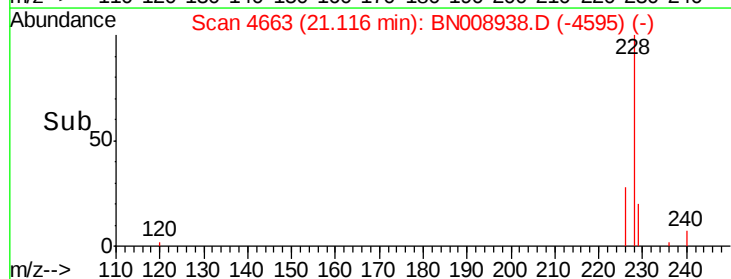
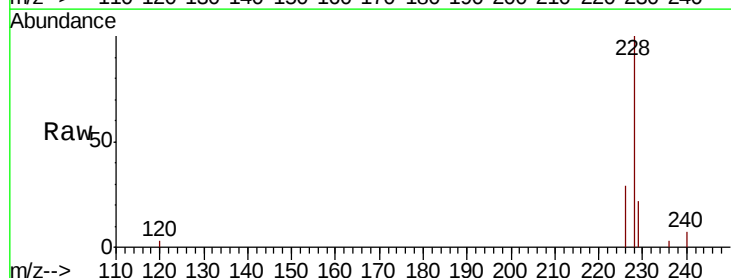
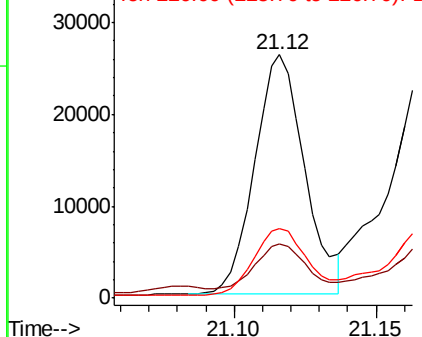
Tgt Ion:	228	Resp:	32176
Ion Ratio	Lower	Upper	
228	100		
229	22.2	15.7	23.5
226	28.6	21.5	32.3

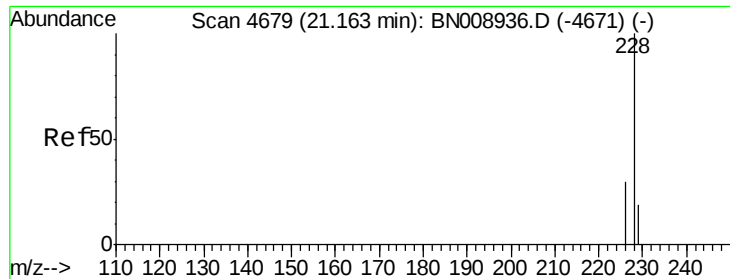
Abundance

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: 0.610 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

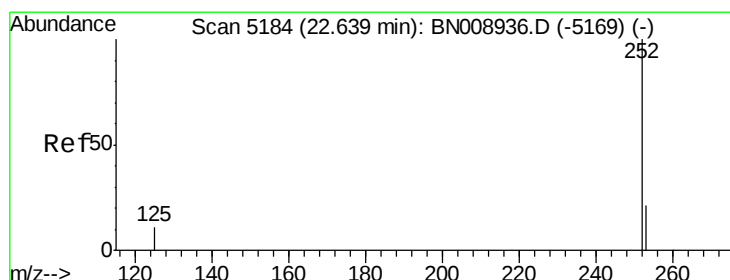
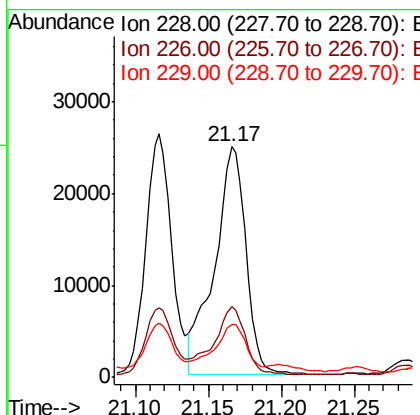
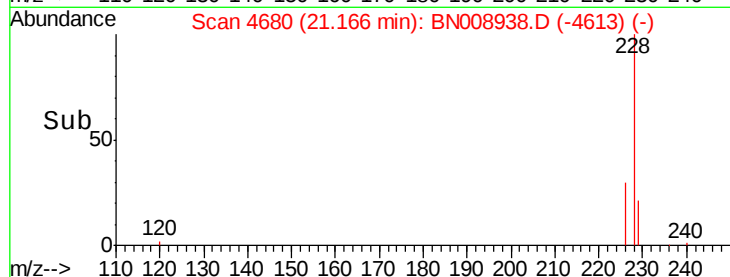
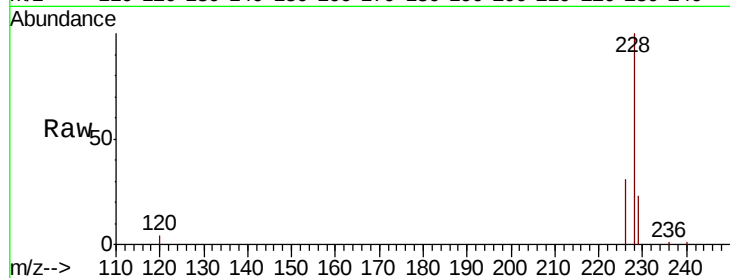
ClientSampleId :

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Tot Ion:	228	Resp:	36903
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.8	35.6
229	23.0	15.6	23.4

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#21

Benzo(b)fluoranthene

Concen: 0.550 ng/ul m

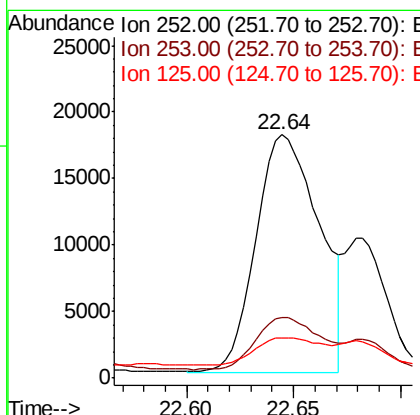
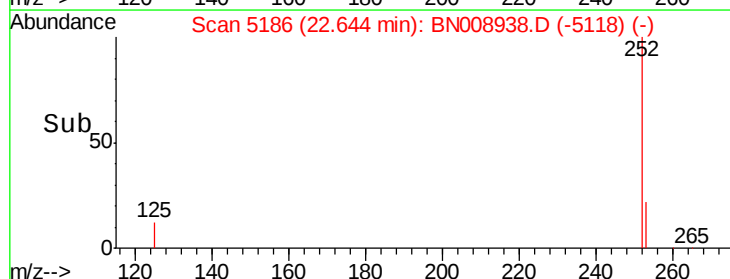
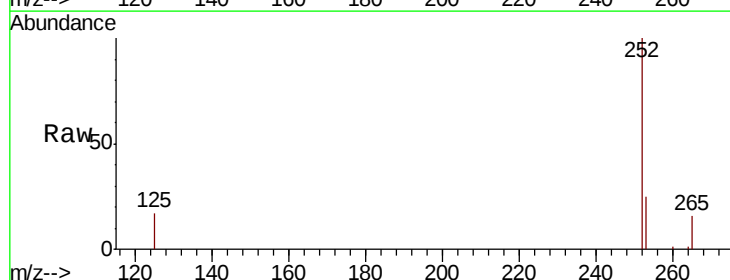
RT: 22.64 min Scan# 5186

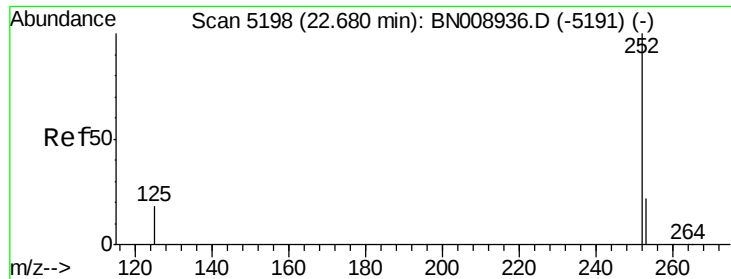
Delta R.T. -0.00 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Tgt Ion:	252	Resp:	36839
Ion Ratio	Lower	Upper	
252	100		
253	25.1	0.0	48.6
125	16.7	0.0	31.6





#22

Benzo(k)fluoranthene

Concen: 0.209 ng/ul m

RT: 22.68 min Scan# 5199

Delta R.T. -0.01 min

Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Instrument :

BNA_N

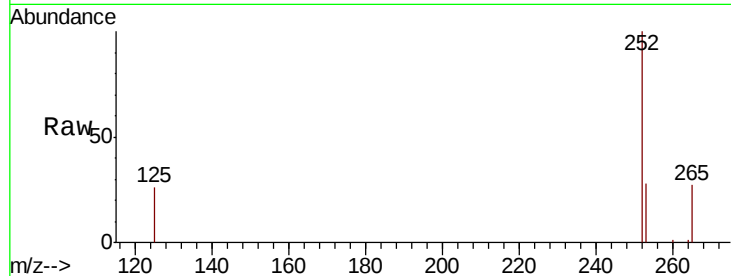
ClientSampleId :

C0BM9DL

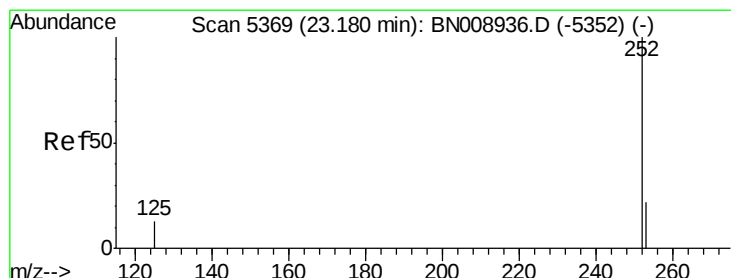
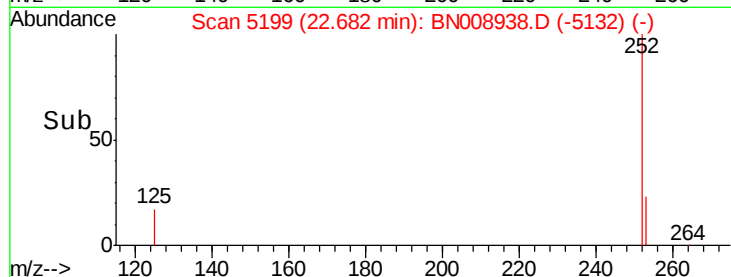
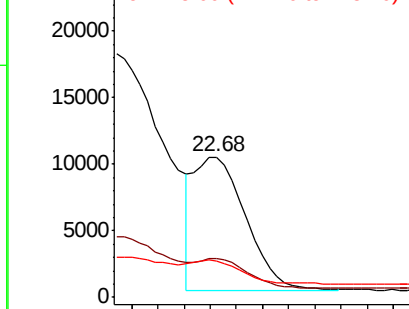
Tot Ion:	252	Resp:	13894
Ion Ratio	Lower	Upper	
252	100		
253	27.9	19.6	29.4
125	26.1	13.8	20.6

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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: 0.339 ng/ul

RT: 23.18 min Scan# 5370

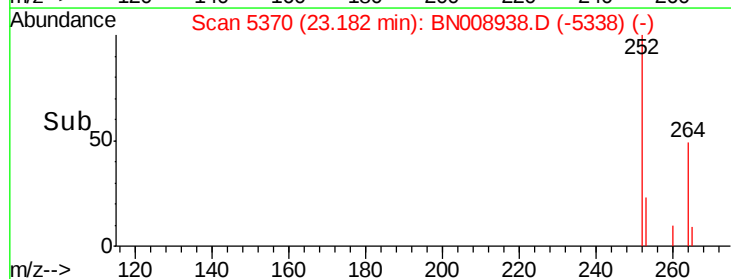
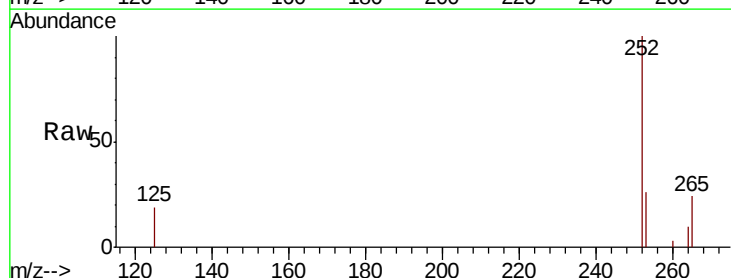
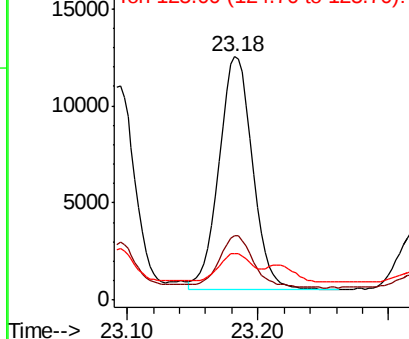
Delta R.T. -0.01 min

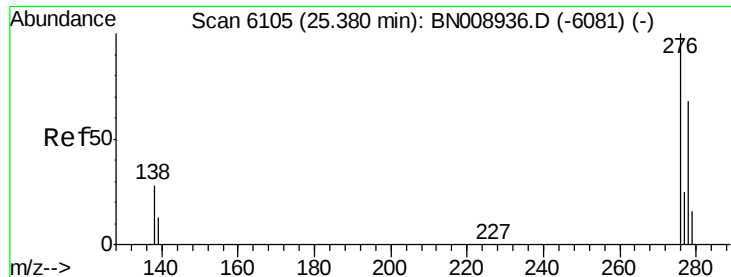
Lab File: BN008938.D

Acq: 12 Dec 2019 10:43

Tgt Ion:	252	Resp:	21301
Ion Ratio	Lower	Upper	
252	100		
253	26.4	19.9	29.9
125	19.1	14.6	22.0

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





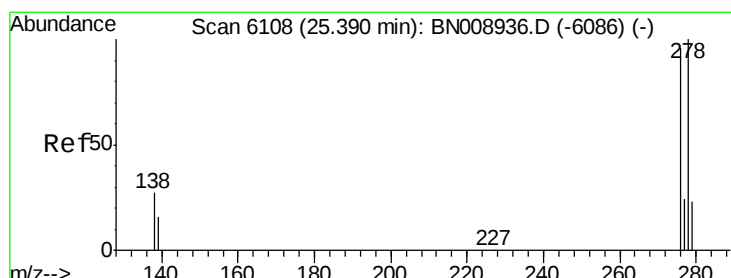
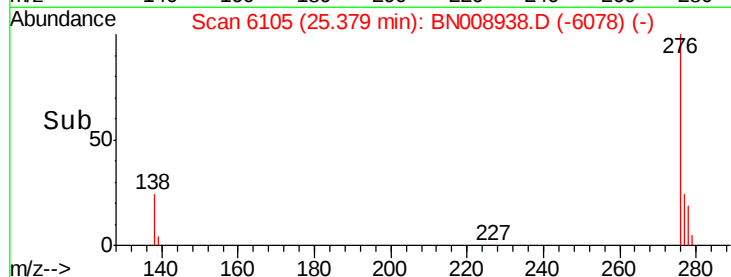
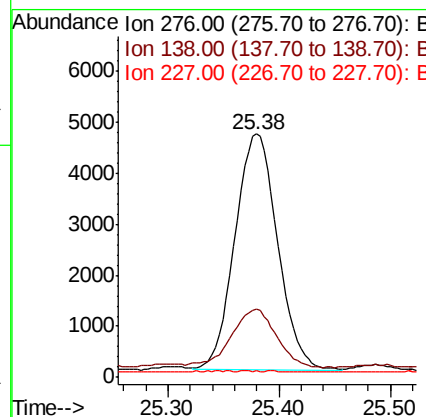
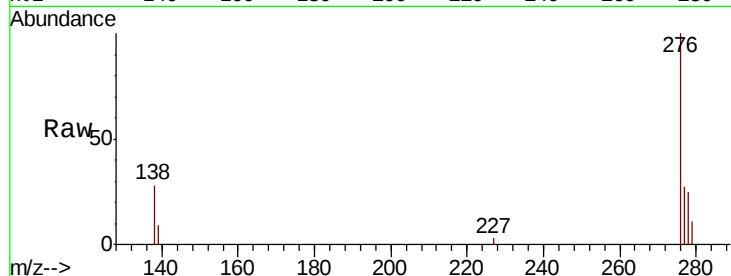
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.167 ng/ul
 RT: 25.38 min Scan# 6105
 Delta R.T. -0.01 min
 Lab File: BN008938.D
 Acq: 12 Dec 2019 10:43

Instrument :
 BNA_N
 ClientSampleID :
 C0BM9DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	23.8	35.6
227	0.1	0.2	0.2#

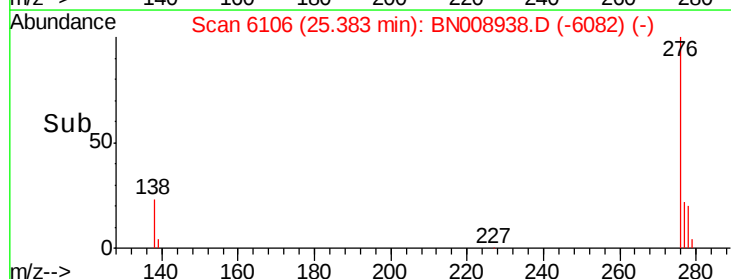
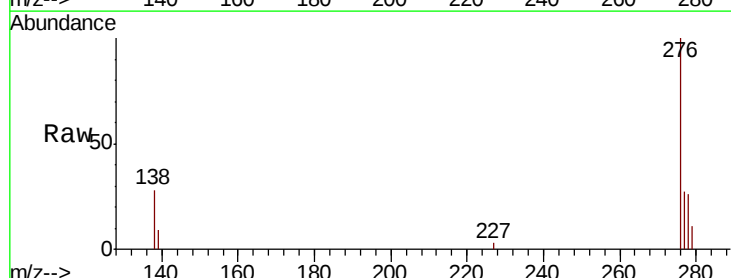
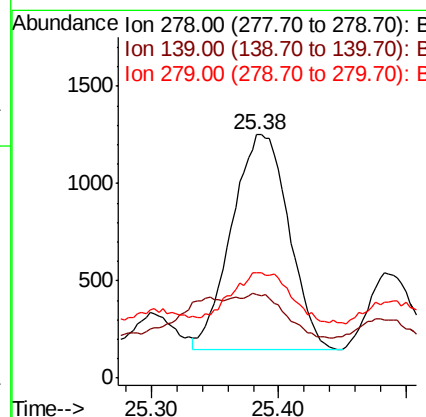
Manual Integrations
 APPROVED

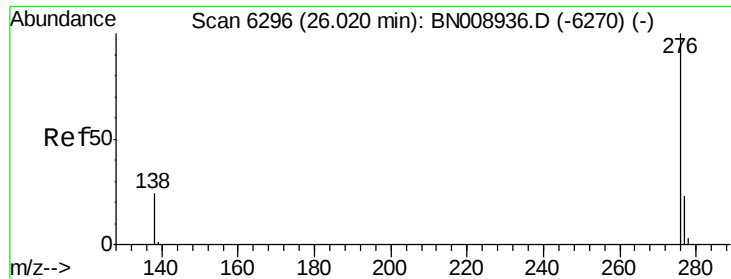
mohammad
 12/13/2019 8:07:38 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.058 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.02 min
 Lab File: BN008938.D
 Acq: 12 Dec 2019 10:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.3	17.4	26.0#
279	43.1	20.5	30.7#





#26
 Benzo(a,h,i)perylene
 Concen: 0.182 ng/ul
 RT: 26.02 min Scan# 6295
 Delta R.T. -0.01 min
 Lab File: BN008938.D
 Acq: 12 Dec 2019 10:43

Instrument :
 BNA_N
 ClientSampleId :
 C0BM9DL

Tot Ion:	276	Resp:	11177
Ion Ratio	Lower	Upper	
276	100		
138	28.4	21.9	32.9
277	26.1	19.9	29.9

Manual Integrations
 APPROVED

mohammad
 12/13/2019 8:07:38 AM

