

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009072.D
 Acq On : 20 Dec 2019 17:29
 Operator : JU
 Sample : K6171-12DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BW1DL

Manual Integrations
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mohammad
 12/23/2019 11:54:33 AM

Quant Time: Dec 20 23:18:29 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 : Fri Dec 20 22:55:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	4154	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	15849	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8360	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	16090	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	8687	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8359	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	1034	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	1811	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	962	0.020	ng/ul#	81
5) 2-Methylnaphthalene	11.97	142	904	0.025	ng/ul	97
12) Phenanthrene	16.95	178	13572	0.243	ng/ul	99
13) Anthracene	17.04	178	2092	0.042	ng/ul#	91
15) Fluoranthene	18.98	202	28933	0.452	ng/ul	98
17) Pyrene	19.34	202	25116	0.567	ng/ul	97
18) Benzo(a)anthracene	21.10	228	10654	0.276	ng/ul#	86
19) Chrysene	21.15	228	13675	0.353	ng/ul#	91
21) Benzo(b)fluoranthene	22.63	252	15081m	0.386	ng/ul	
22) Benzo(k)fluoranthene	22.66	252	5133m	0.130	ng/ul	
23) Benzo(a)pyrene	23.16	252	11975	0.350	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.35	276	8243	0.221	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.36	278	2132	0.072	ng/ul#	40
26) Benzo(g,h,i)perylene	25.99	276	12945	0.413	ng/ul	95

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

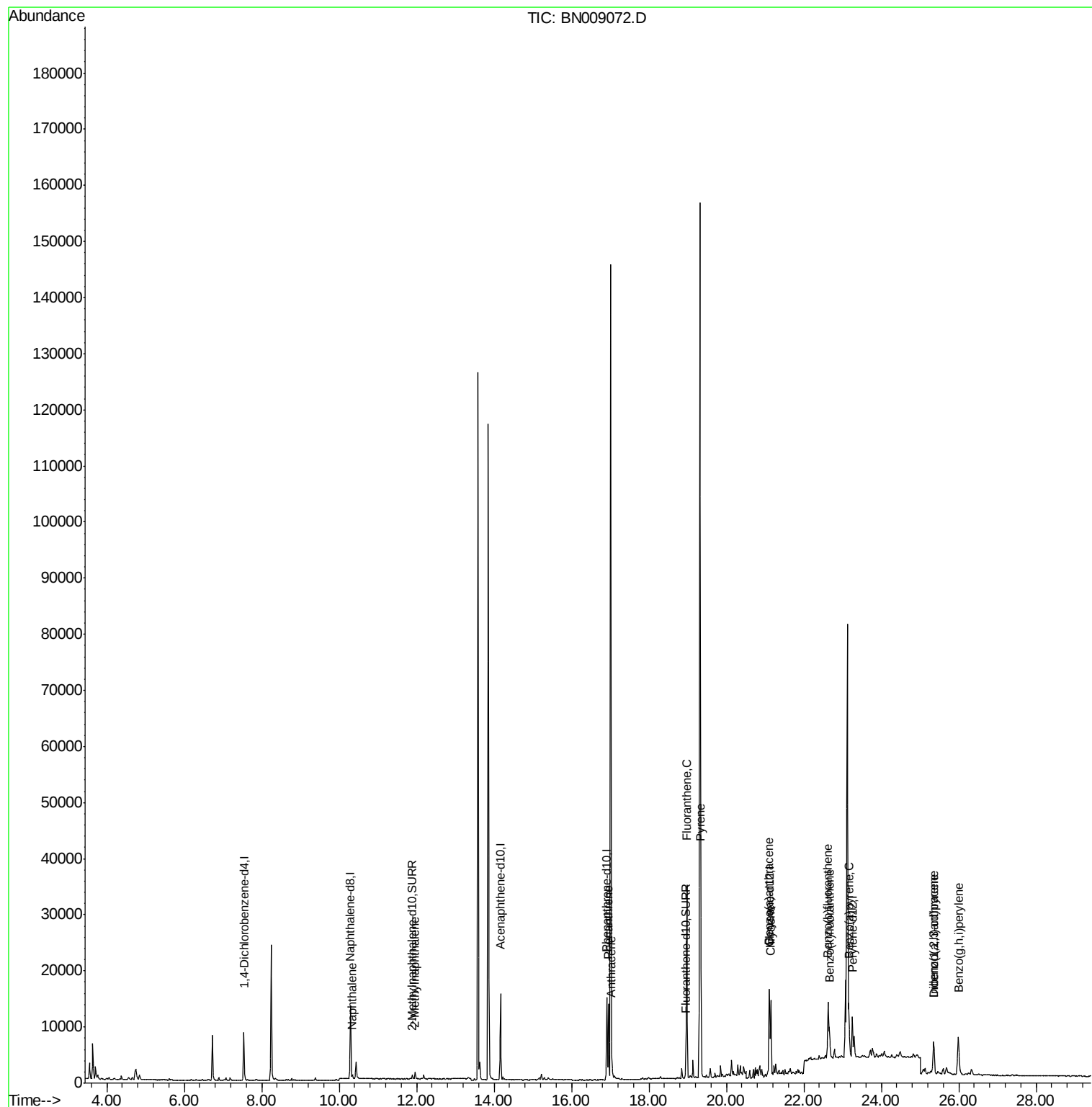
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
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Misc :
ALS Vial : 44 Sample Multiplier: 1

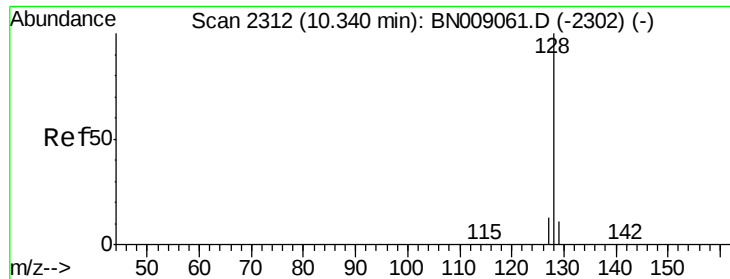
Instrument :
BNA_N
ClientSampleId :
C0BW1DL

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Quant Time: Dec 20 23:18:29 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 : Fri Dec 20 22:55:30 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.020 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

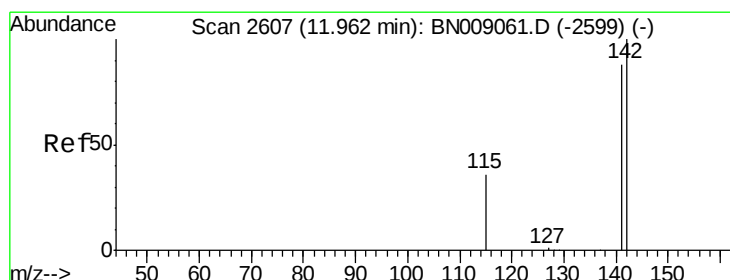
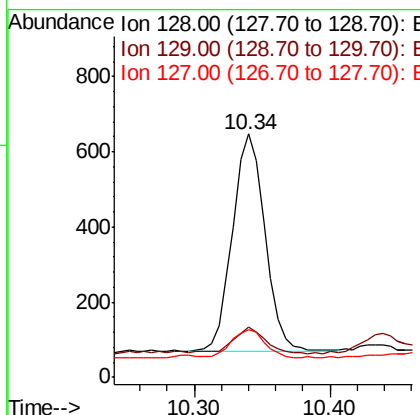
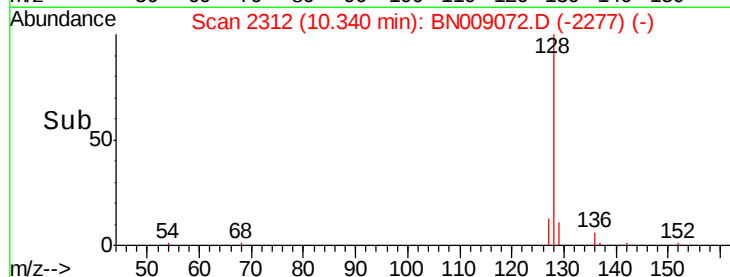
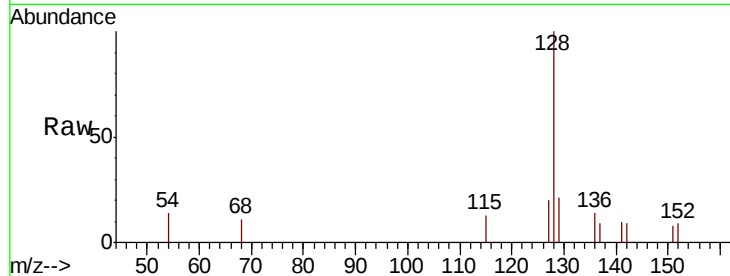
ClientSampleId :

C0BW1DL

Tot Ion:	128	Resp:	962
Ion Ratio	Lower	Upper	
128	100		
129	20.5	9.0	13.4#
127	19.6	10.9	16.3#

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#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

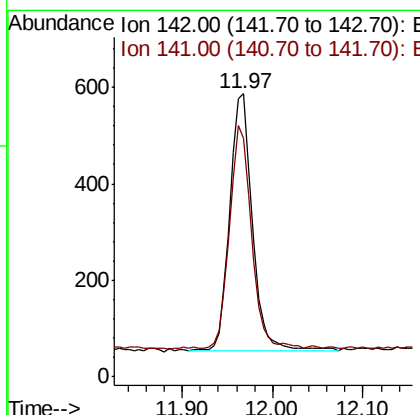
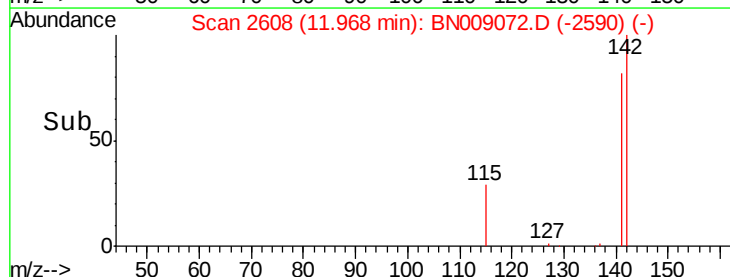
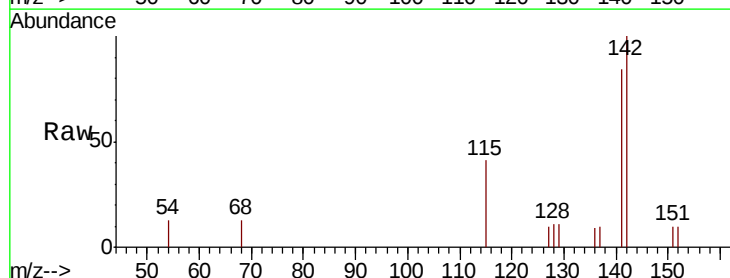
RT: 11.97 min Scan# 2608

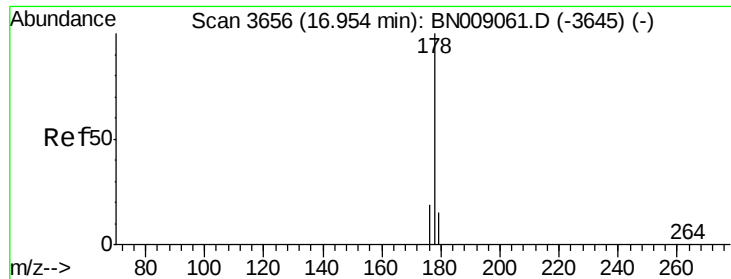
Delta R.T. 0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Tgt Ion:	142	Resp:	904
Ion Ratio	Lower	Upper	
142	100		
141	84.7	70.2	105.4





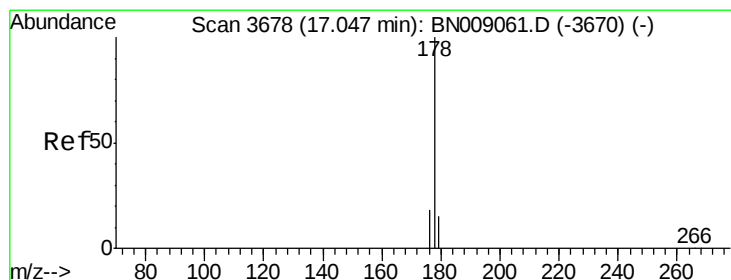
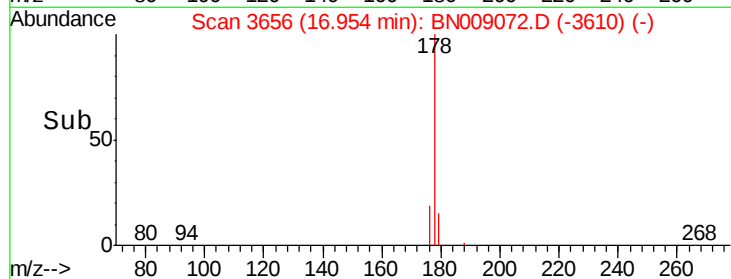
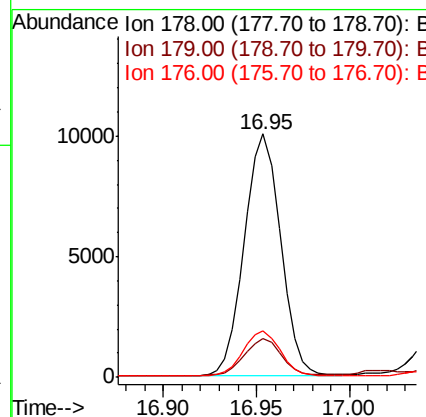
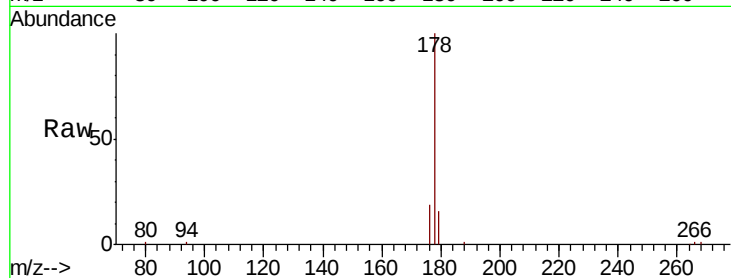
#12
Phenanthrene
Concen: 0.243 ng/ul
RT: 16.95 min Scan# 3656
Delta R.T. -0.00 min
Lab File: BN009072.D
Acq: 20 Dec 2019 17:29

Instrument :
BNA_N
ClientSampleId :
C0BW1DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.0	15.1	22.7

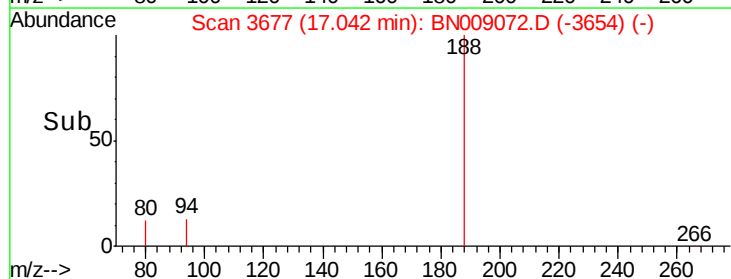
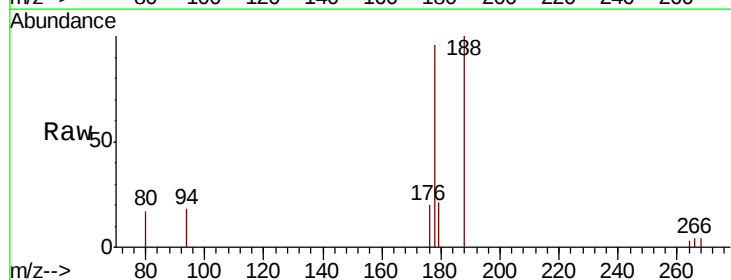
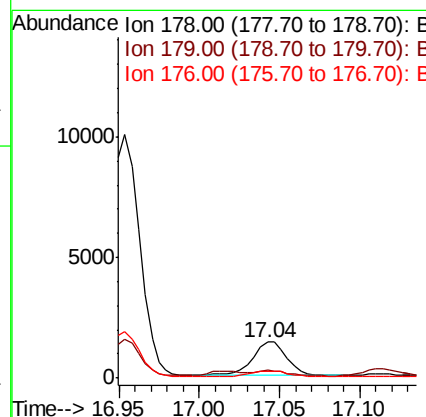
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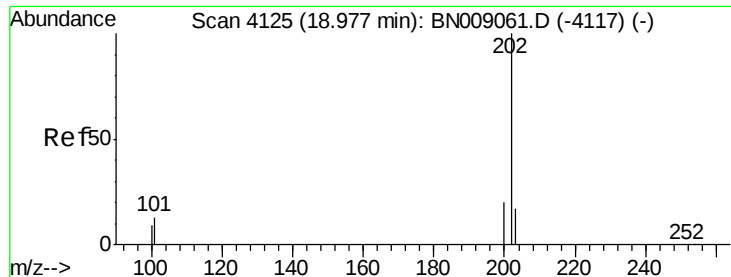
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#13
Anthracene
Concen: 0.042 ng/ul
RT: 17.04 min Scan# 3677
Delta R.T. -0.00 min
Lab File: BN009072.D
Acq: 20 Dec 2019 17:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.4	12.5	18.7#
176	20.6	14.9	22.3





#15

Fluoranthene

Concen: 0.452 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

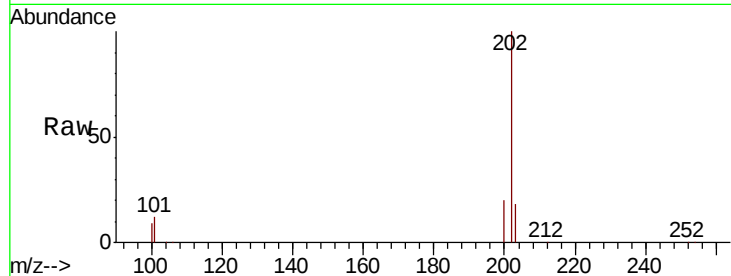
ClientSampleId :

C0BW1DL

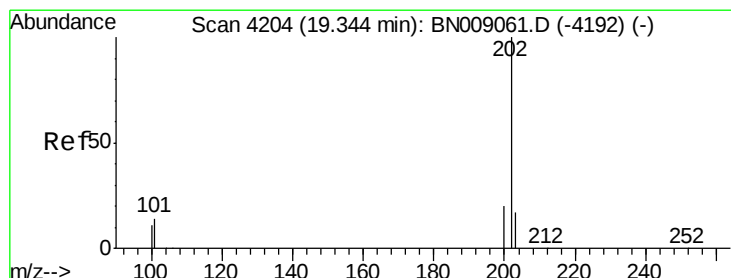
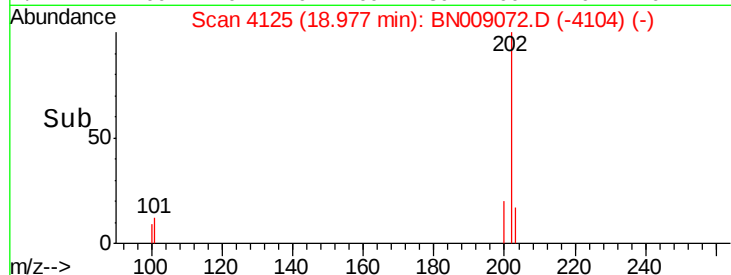
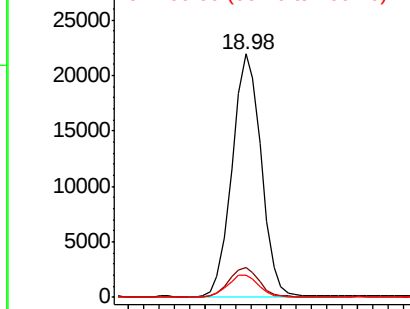
Tot Ion:	202	Resp:	28933
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	31.5
100	9.3	0.0	28.9

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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: 0.567 ng/ul

RT: 19.34 min Scan# 4203

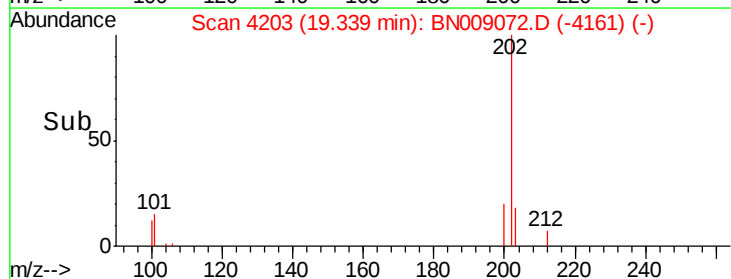
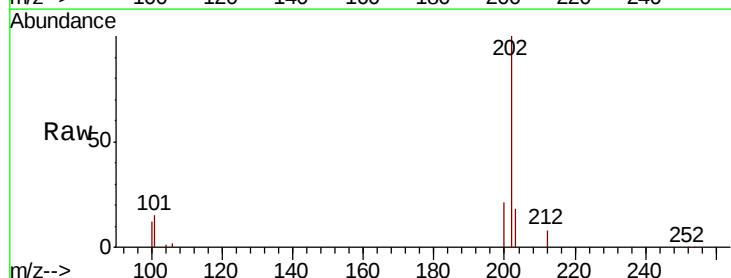
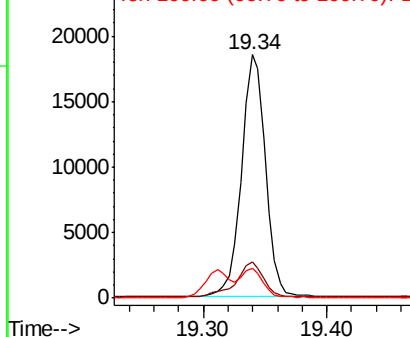
Delta R.T. -0.00 min

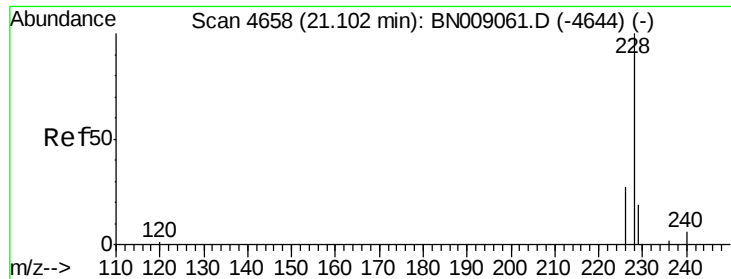
Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Tgt Ion:	202	Resp:	25116
Ion Ratio	Lower	Upper	
202	100		
101	15.0	10.9	16.3
100	12.0	9.0	13.6

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





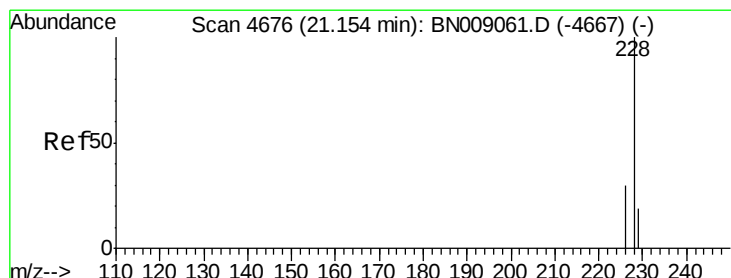
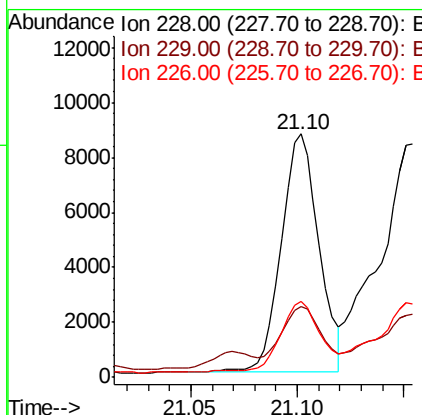
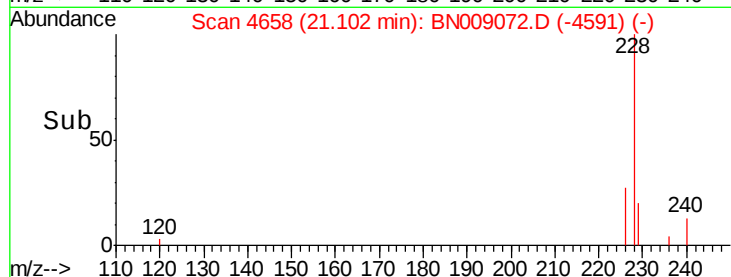
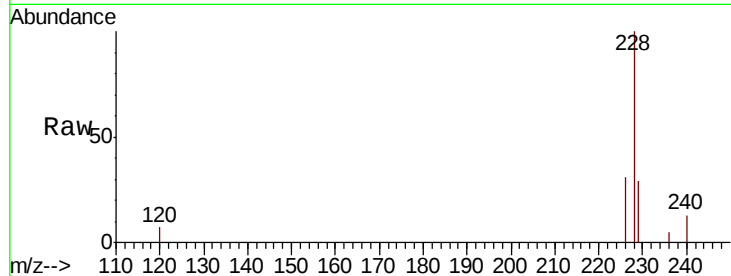
#18
Benzo(a)anthracene
Concen: 0.276 ng/ul
RT: 21.10 min Scan# 4658
Delta R.T. -0.00 min
Lab File: BN009072.D
Acq: 20 Dec 2019 17:29

Instrument :
BNA_N
ClientSampleID :
C0BW1DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	29.3	15.5	23.3#
226	31.1	21.7	32.5

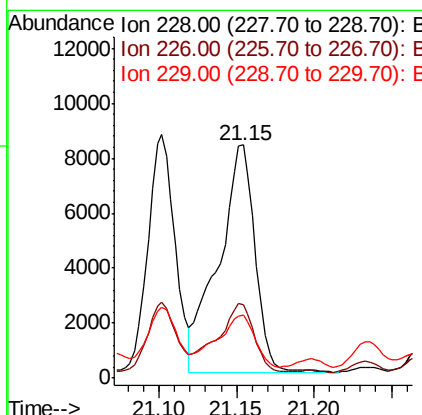
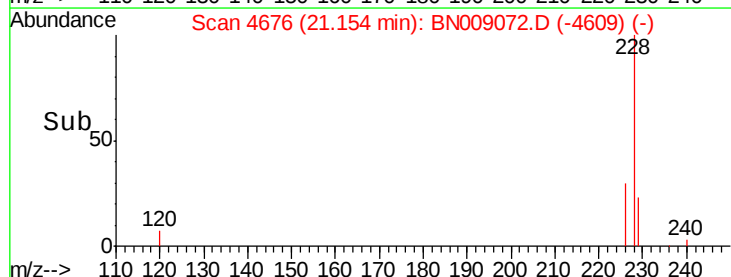
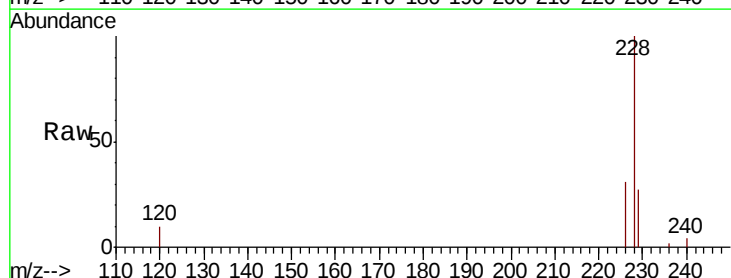
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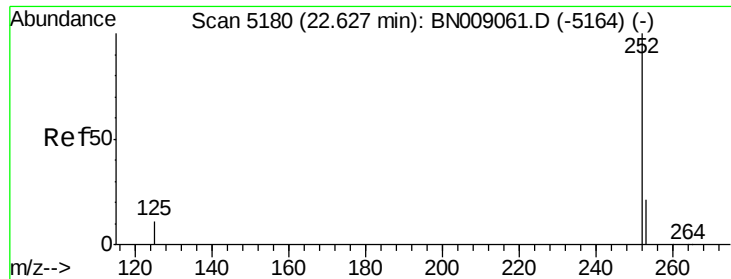
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#19
Chrysene
Concen: 0.353 ng/ul
RT: 21.15 min Scan# 4676
Delta R.T. -0.00 min
Lab File: BN009072.D
Acq: 20 Dec 2019 17:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.7	35.5
229	27.0	15.4	23.0#





#21

Benzo(b)fluoranthene

Concen: 0.386 ng/ul m

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

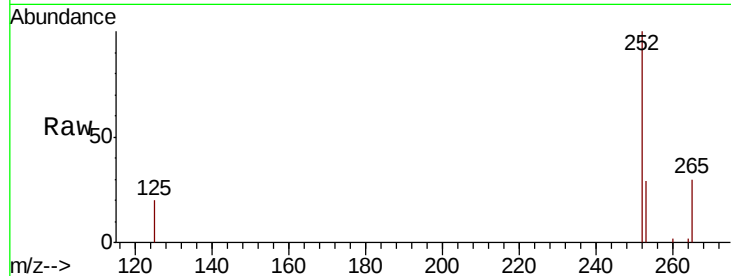
ClientSampleId :

C0BW1DL

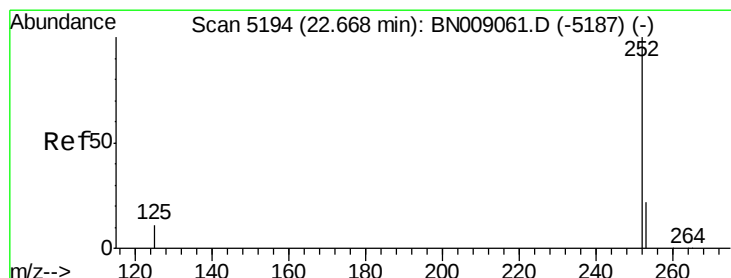
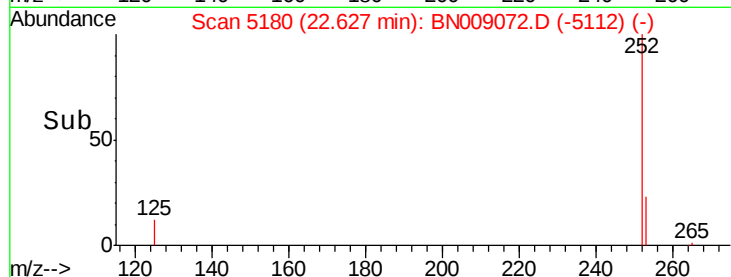
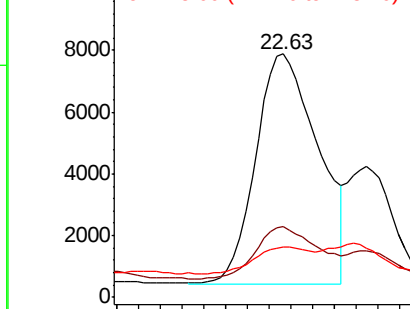
Tot Ion:	252	Resp:	15081
Ion Ratio	Lower	Upper	
252	100		
253	28.9	0.0	48.2
125	20.5	0.0	30.0

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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



#22

Benzo(k)fluoranthene

Concen: 0.130 ng/ul m

RT: 22.66 min Scan# 5193

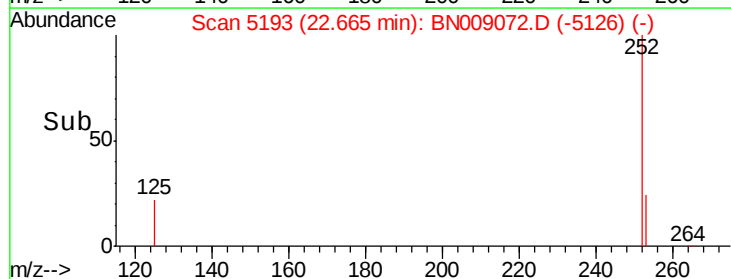
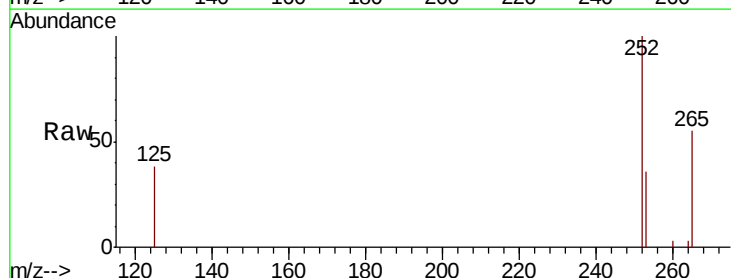
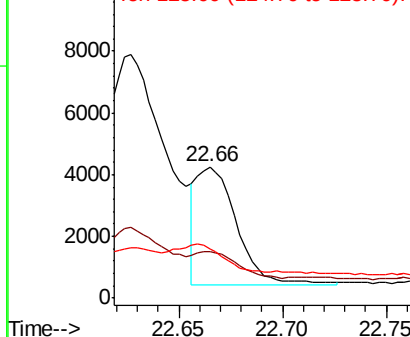
Delta R.T. -0.00 min

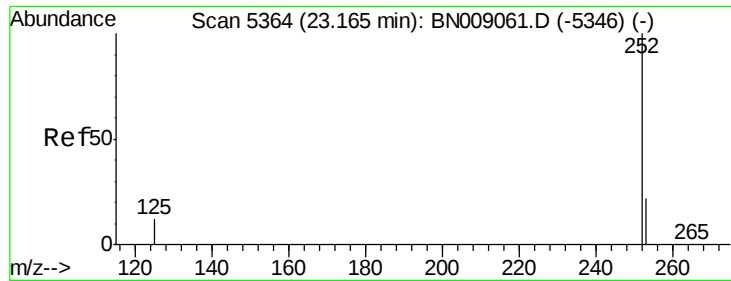
Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Tgt Ion:	252	Resp:	5133
Ion Ratio	Lower	Upper	
252	100		
253	35.6	19.4	29.0#
125	37.7	12.4	18.6#

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: 0.350 ng/u1

RT: 23.16 min Scan# 5363

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

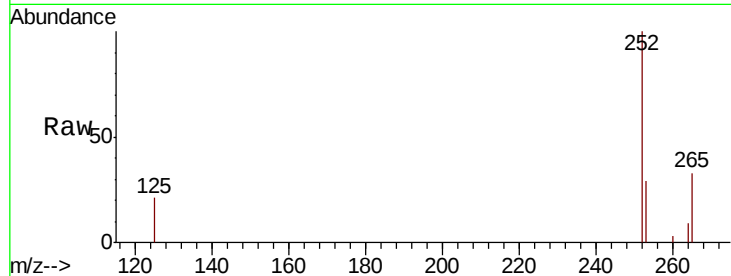
ClientSampleId :

C0BW1DL

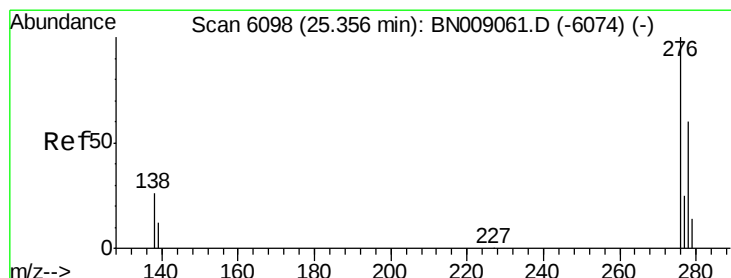
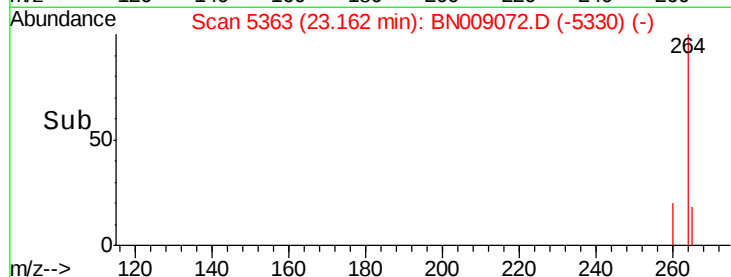
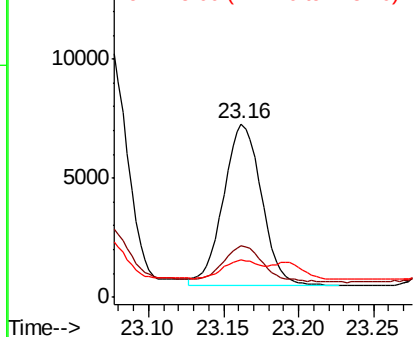
Tot Ion:	252	Resp:	11975
Ion Ratio	Lower	Upper	
252	100		
253	29.5	20.2	30.4
125	21.3	13.2	19.8#

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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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.221 ng/u1

RT: 25.35 min Scan# 6097

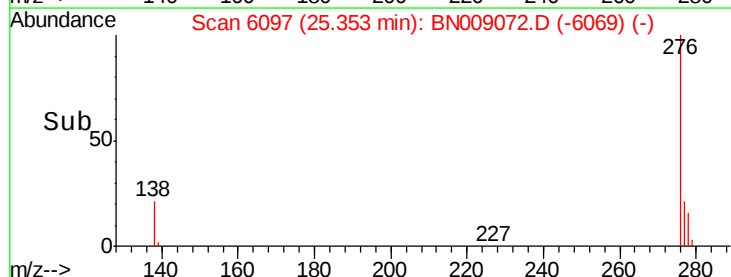
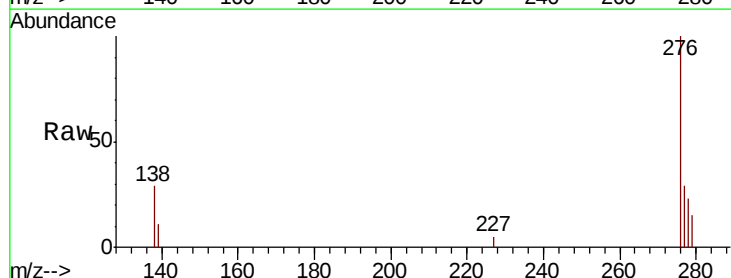
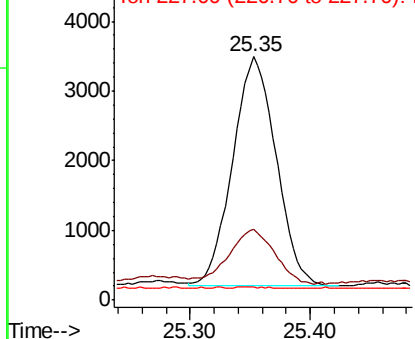
Delta R.T. -0.01 min

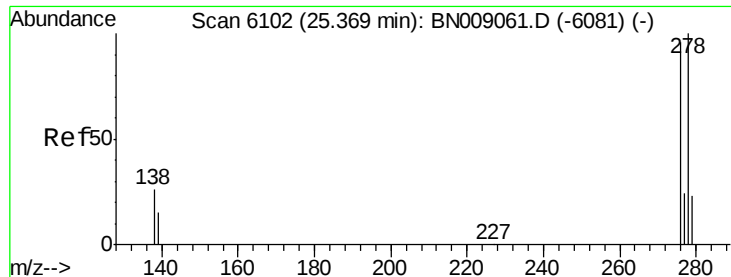
Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Tgt Ion:	276	Resp:	8243
Ion Ratio	Lower	Upper	
276	100		
138	24.8	22.4	33.6
227	0.5	0.2	0.4#

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: 0.072 ng/ul

RT: 25.36 min Scan# 6098

Delta R.T. -0.02 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Instrument :

BNA_N

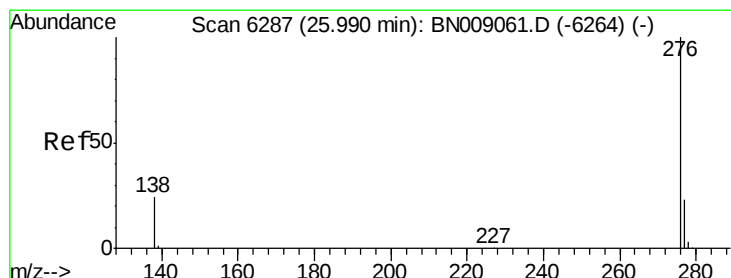
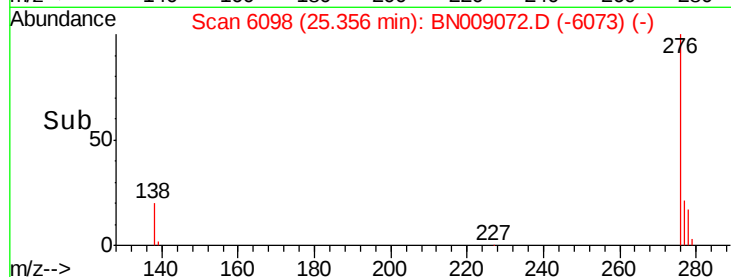
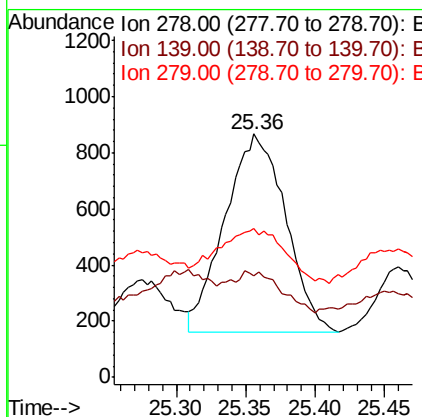
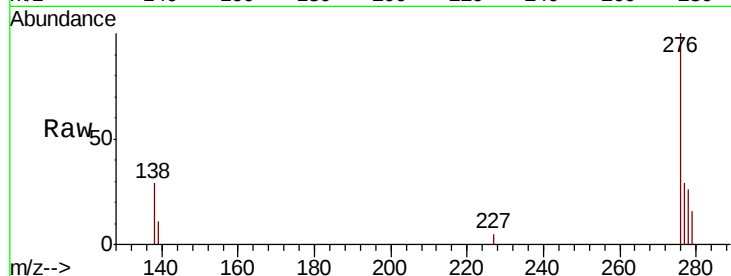
ClientSampleId :

C0BW1DL

Tot Ion:	278	Resp:	2132
Ion Ratio	Lower	Upper	
278	100		
139	41.6	16.2	24.2#
279	61.1	20.3	30.5#

Manual Integrations
APPROVED

mohammad
12/23/2019 11:54:33 AM



#26

Benzo(g,h,i)perylene

Concen: 0.413 ng/ul

RT: 25.99 min Scan# 6287

Delta R.T. -0.00 min

Lab File: BN009072.D

Acq: 20 Dec 2019 17:29

Tgt Ion:	276	Resp:	12945
Ion Ratio	Lower	Upper	
276	100		
138	28.3	20.6	30.8
277	27.0	19.6	29.4

